



TEST REPORT

No. I22N01500-WLAN 5GHz

BLU Products, Inc.

Smart Phone

Model Name: B1550VL

with

Hardware Version: V1.0

Software Version: BLU_B1550VL_V12.0.02.05.02.17_FSec

FCC ID: YHLBLUB1550VL

Issued Date: 2022-09-09

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

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1. Summary of Test Report

1.1. Test Items

Description	Smart Phone
Model Name	B1550VL
Applicant's name	BLU Products, Inc.
Manufacturer's Name	BLU Products, Inc.

1.2. Test Standards

FCC Part15-2019; ANSI C63.10-2013

1.3. Test Result

Pass

Please refer to 5.2 Test Results.

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

1.5. Project data

Testing Start Date:	2022-07-14
Testing End Date:	2022-08-19

1.6. Signature

Lin Kanfeng
(Prepared this test report)

An Ran
(Reviewed this test report)

Zhang Bojun
(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: BLU Products, Inc.
Address: 10814 NW 33rd St # 100 Doral, FL 33172, USA
Contact Person Zeng wei
E-Mail zwei@ctasiasz.com
Telephone: 305.715.7171
Fax: 305.436.8819

2.2. Manufacturer Information

Company Name: BLU Products, Inc.
Address: 10814 NW 33rd St # 100 Doral, FL 33172, USA
Contact Person Zeng wei
E-Mail zwei@ctasiasz.com
Telephone: 305.715.7171
Fax: 305.436.8819



3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Smart Phone
Model Name	B1550VL
RLAN Frequency Range	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz -5725MHz~5850MHz
RLAN Protocol	IEEE 802.11a,802.11n-HT20/40,802.11ac-VHT20/40/80
Type of modulation	OFDM
Antenna Type	Integrated
Antenna Gain	2.0 dBi.
Power Supply	3.85V DC by Battery
FCC ID	YHLBLUB1550VL
Condition of EUT as received	No abnormality in appearance

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version	Receive Date
UT01aa	350547790004382	V1.0	BLU_B1550VL_V12. 0.02.05.02.17_FSec	2022-07-12

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	Battery	/
AE2	Charger	/
AE1		
Model	TN-BP4000N1	
Manufacturer	Guangdong Fenghua New Energy Co.,Ltd.	
Capacity	4000mAh	
Nominal Voltage	3.85V	
AE2		
Model	TN-050200U3	
Manufacturer	Guangdong Beicom Electronics Co.,Ltd.	

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment under Test (EUT) is a model of Smart Phone with integrated antenna and battery. It consists of normal options: Lithium Battery and Charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the client.



4. REFERENCE DOCUMENTS

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47,Part 15,Subpart C FCC CFR 47,Part 15,Subpart E	2019
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013
KDB789033	GUIDELINES FOR COMPLIANCE TESTING OF UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII) DEVICES PART 15, SUBPART E	V02r01



5. Test Results

5.1. Testing Environment

Normal Temperature: 15~35°C

Relative Humidity: 20~75%

5.2. Test Results

No.	Test cases	Sub-clause of Part15E	Verdict
1	Maximum Output Power	15.407	P
2	Power Spectral Density	15.407	P
3	Occupied 26dB Bandwidth	15.403	P
4	Occupied 6dB Bandwidth	15.407	P
5	99% Occupied Bandwidth	15.403	P
6	Transmit Power Control	15.407	NA

Please refer to **ANNEX A** for detail.

5.3. Statements

SAICT has evaluated the test cases requested by the applicant/manufacture as listed in section 5.2 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2.

Disclaimer:

A. After confirmation with the customer, the sample information provided by the customer may affect the validity of the measurement results in this report, and the impact and consequences arising therefrom shall be borne by the customer.

B. The samples in this report are provided by the customer, and the test results are only applicable to the samples received.



6. Test Equipments Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due Date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2022-12-29	1 year
2	Power Sensor	U2021XA	MY55430013	Keysight	2022-12-29	1 year
3	Data Acquisiton	U2531A	TW55443507	Keysight	/	/

Test software

No.	Equipment	Manufacturer	Version
1	TechMgr Software	CAICT	2.1.1

EUT is engineering software provided by the customer to control the transmitting signal.

The EUT was programmed to be in continuously transmitting mode.

Anechoic chamber

Fully anechoic chamber by ETS-Lindgren



7. Laboratory Environment

Shielded room

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω



8. Measurement Uncertainty

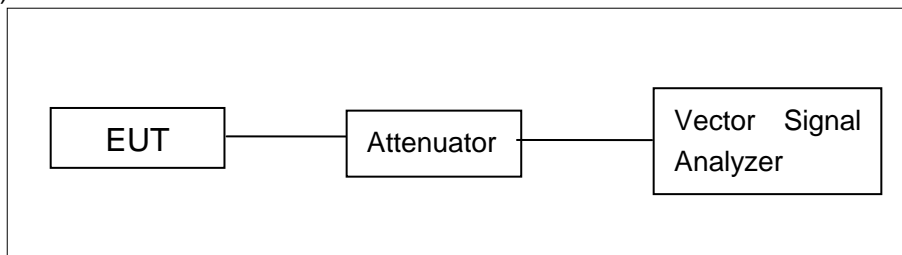
Test Name	Uncertainty ($k=2$)
1. RF Output Power - Conducted	1.36dB
2. Power Spectral Density - Conducted	1.36dBm/MHz
3. Occupied channel bandwidth - Conducted	4.56kHz

ANNEX A: MEASUREMENT RESULTS

A.1. Measurement Method

Conducted Measurements

- 1). Connect the EUT to the test system correctly.
- 2). Set the EUT to the required work mode.
- 3). Set the EUT to the required channel.
- 4). Set the spectrum analyzer to start measurement.
- 5). Record the values.

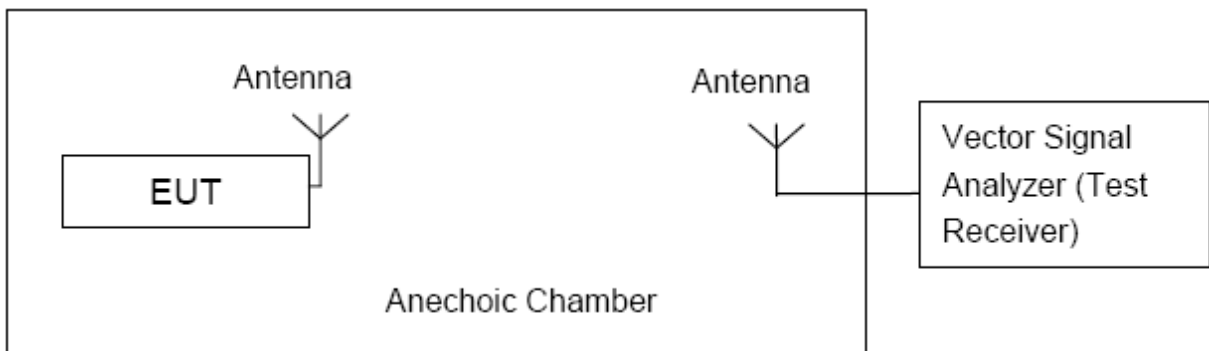


Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows:

Sweep frequency from 30 MHz to 1 GHz, RBW = 100 KHz, VBW = 300 KHz;

Sweep frequency from 1 GHz to 26 GHz, RBW = 1 MHz, VBW = 10 Hz;



The measurement is made according to KDB 789033.

The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.



A.2. Maximum Output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	Limit (dBm)
FCC CRF Part 15.407	5150MHz~5250MHz	24
	5250MHz~5350MHz	24 or 11+10logB
	5470MHz~5725MHz	24 or 11+10logB
	5725MHz~5850MHz	30

Limit use the less value, and B is the 26dB bandwidth.

Measurement of method: See ANSI C63.10-2013-Clause 12.3.3.2

Method PM-G is a measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Measurement Results:

802.11a mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Mbps)							
		6	9	12	18	24	36	48	54
802.11a	5180MHz(Ch36)	18.13	18.11	18.07	18.06	18.01	17.97	17.98	17.94
	5200MHz(Ch40)	18.17	/	/	/	/	/	/	/
	5240MHz(Ch48)	18.12	/	/	/	/	/	/	/
	5260MHz(Ch52)	18.08	/	/	/	/	/	/	/
	5280MHz(Ch56)	18.11	/	/	/	/	/	/	/
	5320MHz(Ch64)	18.07	/	/	/	/	/	/	/
	5500MHz(Ch100)	18.04	/	/	/	/	/	/	/
	5580MHz(Ch116)	18.06	/	/	/	/	/	/	/
	5700MHz(Ch140)	13.61	/	/	/	/	/	/	/
	5720MHz(Ch144)	18.33	/	/	/	/	/	/	/
	5745MHz(Ch149)	18.03	/	/	/	/	/	/	/
	5785MHz(Ch157)	18.07	/	/	/	/	/	/	/
5825MHz(Ch165)	18.11	/	/	/	/	/	/	/	



802.11n-HT20 mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Index)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (HT20)	5180MHz(Ch36)	18.06	18.03	18.01	17.97	17.96	17.92	17.89	17.85
	5200MHz(Ch40)	18.09	/	/	/	/	/	/	/
	5240MHz(Ch48)	18.03	/	/	/	/	/	/	/
	5260MHz(Ch52)	18.02	/	/	/	/	/	/	/
	5280MHz(Ch56)	18.03	/	/	/	/	/	/	/
	5320MHz(Ch64)	17.95	/	/	/	/	/	/	/
	5500MHz(Ch100)	17.97	/	/	/	/	/	/	/
	5580MHz(Ch116)	17.96	/	/	/	/	/	/	/
	5700MHz(Ch140)	13.52	/	/	/	/	/	/	/
	5720MHz(Ch144)	18.26	/	/	/	/	/	/	/
	5745MHz(Ch149)	17.91	/	/	/	/	/	/	/
	5785MHz(Ch157)	17.97	/	/	/	/	/	/	/
5825MHz(Ch165)	18.02	/	/	/	/	/	/	/	

802.11ac-VHT20 mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Index)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (VHT20)	5180MHz(Ch36)	16.61	16.57	16.55	16.52	16.51	16.49	16.46	16.42
	5200MHz(Ch40)	16.66	/	/	/	/	/	/	/
	5240MHz(Ch48)	16.62	/	/	/	/	/	/	/
	5260MHz(Ch52)	16.61	/	/	/	/	/	/	/
	5280MHz(Ch56)	16.65	/	/	/	/	/	/	/
	5320MHz(Ch64)	16.58	/	/	/	/	/	/	/
	5500MHz(Ch100)	16.47	/	/	/	/	/	/	/
	5580MHz(Ch116)	16.49	/	/	/	/	/	/	/
	5700MHz(Ch140)	16.77	/	/	/	/	/	/	/
	5720MHz(Ch144)	16.75	/	/	/	/	/	/	/
	5745MHz(Ch149)	16.38	/	/	/	/	/	/	/
	5785MHz(Ch157)	16.45	/	/	/	/	/	/	/
5825MHz(Ch165)	16.51	/	/	/	/	/	/	/	

802.11n-HT40 mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Index)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n	5190MHz(Ch38)	17.65	17.61	17.58	17.55	17.55	17.49	17.47	17.44



(HT40)	5230MHz(Ch46)	17.67	/	/	/	/	/	/	/
	5270MHz(Ch54)	17.62	/	/	/	/	/	/	/
	5310MHz(Ch62)	17.63	/	/	/	/	/	/	/
	5510MHz(Ch102)	16.41	/	/	/	/	/	/	/
	5670MHz(Ch134)	17.83	/	/	/	/	/	/	/
	5755MHz(Ch151)	17.60	/	/	/	/	/	/	/
	5795MHz(Ch159)	17.65	/	/	/	/	/	/	/

802.11ac-VHT40 mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Index)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (VHT40)	5190MHz(Ch38)	16.78	16.73	16.75	16.70	16.69	16.65	16.61	16.56
	5230MHz(Ch46)	16.81	/	/	/	/	/	/	/
	5270MHz(Ch54)	16.76	/	/	/	/	/	/	/
	5310MHz(Ch62)	16.77	/	/	/	/	/	/	/
	5510MHz(Ch102)	16.57	/	/	/	/	/	/	/
	5670MHz(Ch134)	16.64	/	/	/	/	/	/	/
	5755MHz(Ch151)	16.17	/	/	/	/	/	/	/
	5795MHz(Ch159)	16.21	/	/	/	/	/	/	/

802.11ac-VHT80 mode

Mode	Channel	Test Result (dBm)							
		Data Rate (Index)							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (VHT80)	5210MHz(Ch42)	16.27	16.24	16.22	16.18	16.17	16.13	16.10	16.07
	5290MHz(Ch58)	16.25	/	/	/	/	/	/	/
	5610MHz(Ch122)	16.15	/	/	/	/	/	/	/
	5775MHz(Ch155)	16.07	/	/	/	/	/	/	/

Conclusion: PASS

Note: The data rate 6Mbps (11a mode), MCS0 (11n mode) and MCS0 (11ac mode) are selected as the worst case. 802.11a, 802.11n-HT40 and 802.11ac-VHT80 modes are selected as the worst case. The following cases and test graphs are performed with this condition. The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.



E.I.R.P

802.11a mode

Mode	Channel	Frequency (MHz)	Test Result (dBm)	E.I.R.P (dBm)
802.11a	CH 36	5180 MHz	18.13	20.13
	CH 40	5200 MHz	18.17	20.17
	CH 48	5240 MHz	18.12	20.12
	CH 52	5260 MHz	18.08	20.08
	CH 56	5280 MHz	18.11	20.11
	CH 64	5320 MHz	18.07	20.07
	CH 100	5500 MHz	18.04	20.04
	CH 116	5580 MHz	18.06	20.06
	CH 140	5700 MHz	13.61	15.61
	CH 144	5720 MHz	18.33	20.33
	CH 149	5745 MHz	18.03	20.03
	CH 157	5785 MHz	18.07	20.07
CH 165	5825 MHz	18.11	20.11	

802.11n-HT40 mode

Mode	Channel	Frequency (MHz)	Test Result (dBm)	E.I.R.P (dBm)
802.11n-HT40	CH 38	5190 MHz	17.65	19.65
	CH 46	5230 MHz	17.67	19.67
	CH 54	5270 MHz	17.62	19.62
	CH 62	5310 MHz	17.63	19.63
	CH 102	5510 MHz	16.41	18.41
	CH 134	5670 MHz	17.83	19.83
	CH 151	5755 MHz	17.60	19.60
	CH 159	5795 MHz	17.65	19.65

802.11ac-VHT80 mode

Mode	Channel	Frequency (MHz)	Test Result (dBm)	E.I.R.P (dBm)
802.11ac-VHT80	CH 42	5210 MHz	16.27	18.27
	CH 58	5290 MHz	16.25	18.25
	CH 122	5610 MHz	16.15	18.15
	CH 155	5775 MHz	16.07	18.07

Note: E.I.R.P value= Conducted values (with conducted samples) + Antenna Gain.



A.3. Peak Power Spectral Density

Measurement Limit:

Standard	Frequency (MHz)	Limit
FCC CRF Part 15.407	5150MHz~5250MHz	11dBm/MHz
	5250MHz~5350MHz	11dBm/MHz
	5470MHz~5725MHz	11dBm/MHz
	5725MHz~5850MHz	30dBm/500KHz

The PPSD measurement method SA-1 is made according to KDB 789033.

Measurement Results:

U-NII Band	Mode	Channel	Frequency (MHz)	Test Results (dBm/MHz)
5.2GHz Band (UNII-1)	802.11a	CH 36	5180	6.16
		CH 40	5200	6.21
		CH 48	5240	6.17
	802.11n-HT40	CH 38	5190	3.00
		CH 46	5230	3.22
	802.11ac-VHT80	CH 42	5210	-2.19
5.3GHz Band (UNII-2A)	802.11a	CH 52	5260	6.15
		CH 56	5280	6.13
		CH 64	5320	6.21
	802.11n-HT40	CH 54	5270	2.82
		CH 62	5310	2.81
	802.11ac-VHT80	CH 58	5290	-2.55
5.5GHz Band (UNII-2C)	802.11a	CH 100	5500	5.89
		CH 116	5580	5.95
		CH 140	5700	1.57
		CH 144	5720	6.10
	802.11n-HT40	CH 102	5510	2.28
		CH 134	5670	3.19
	802.11ac-VHT80	CH 122	5610	-2.14
5.8GHz Band (UNII-3)	802.11a	CH 149	5745	5.84
		CH 157	5785	5.88
		CH 165	5825	6.21
	802.11n-HT40	CH 151	5755	2.42
		CH 159	5795	2.94
	802.11ac-VHT80	CH 155	5775	-2.12

Conclusion: PASS

A.4. Occupied 26dB Bandwidth

Measurement Limit:

Standard	Limit (MHz)
FCC 47 CFR Part 15.403	/

The measurement is made according to KDB 789033.

Measurement Result:

Mode	Channel	Occupied 26dB Bandwidth (MHz)		Conclusion
		Fig.	Value	
802.11a	5180MHz (Ch36)	Fig.1	25.05	P
	5200MHz (Ch40)	Fig.2	25.80	P
	5240MHz (Ch48)	Fig.3	26.90	P
	5260MHz (Ch52)	Fig.4	28.10	P
	5280MHz (Ch56)	Fig.5	28.00	P
	5320MHz (Ch64)	Fig.6	28.15	P
	5500MHz (Ch100)	Fig.7	26.35	P
	5580MHz (Ch116)	Fig.8	25.45	P
	5700MHz (Ch140)	Fig.9	28.30	P
	5720MHz (Ch144)	Fig.10	24.56	P
802.11n-HT40	5190MHz (Ch38)	Fig.11	41.84	P
	5230MHz (Ch46)	Fig.12	42.32	P
	5270MHz (Ch54)	Fig.13	40.56	P
	5310MHz (Ch62)	Fig.14	42.00	P
	5510MHz (Ch102)	Fig.15	41.92	P
	5670MHz (Ch134)	Fig.16	41.20	P
802.11ac-VHT80	5210MHz (Ch42)	Fig.17	87.84	P
	5290MHz (Ch58)	Fig.18	80.80	P
	5610MHz (Ch122)	Fig.19	89.92	P

Conclusion: PASS

Test graphs as below:

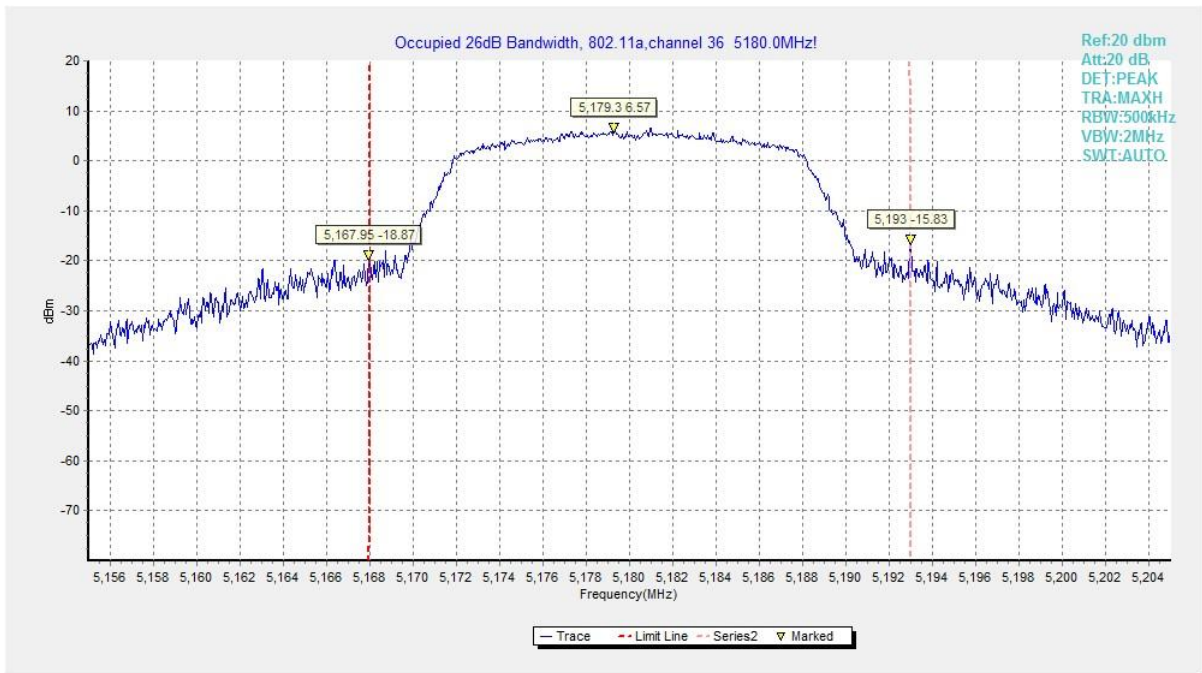


Fig. 1 Occupied 26dB Bandwidth (802.11a, 5180MHz)

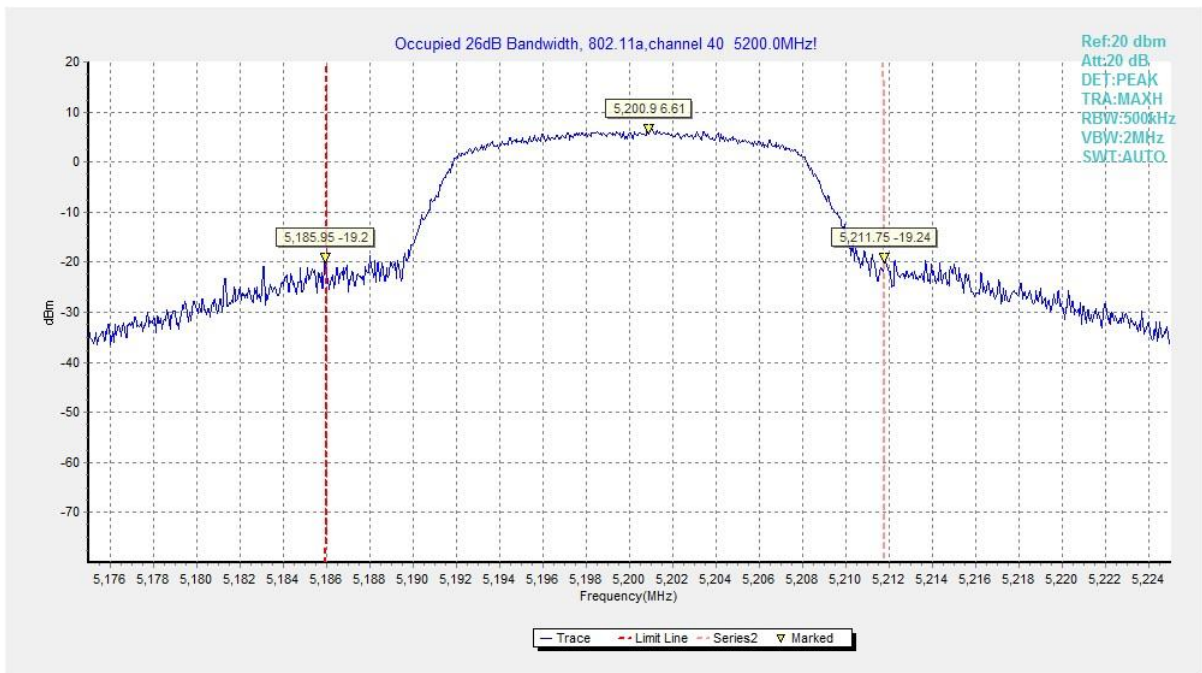


Fig. 2 Occupied 26dB Bandwidth (802.11a, 5200MHz)

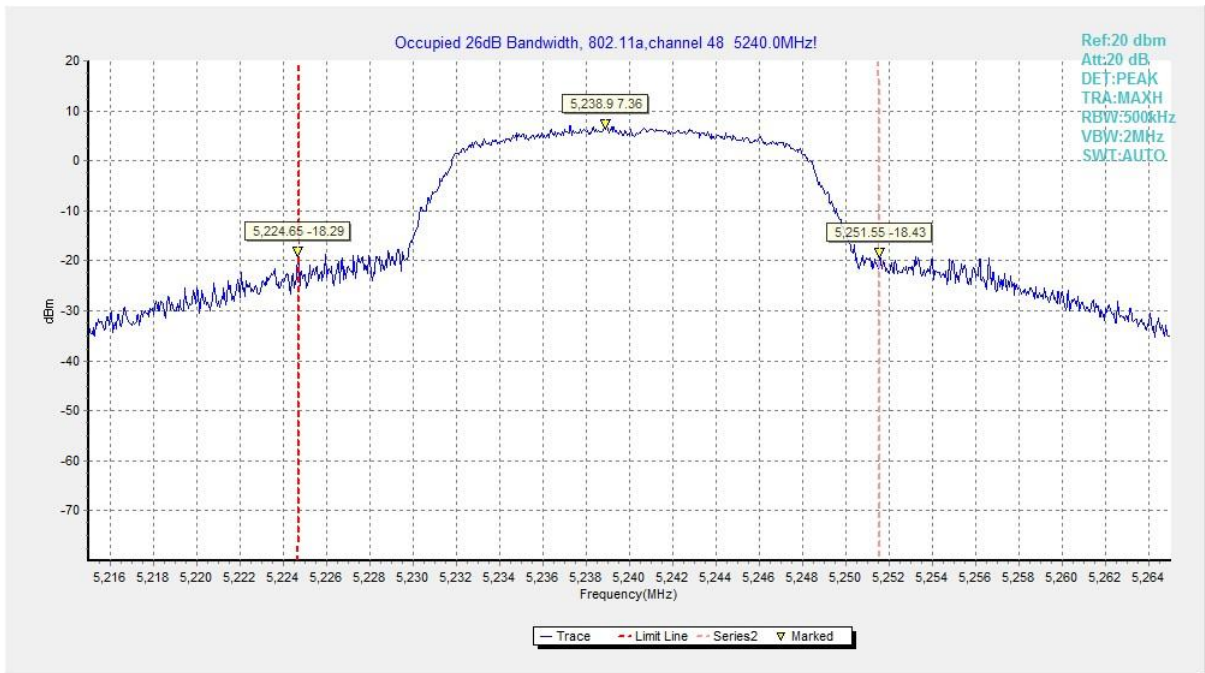


Fig. 3 Occupied 26dB Bandwidth (802.11a, 5240MHz)

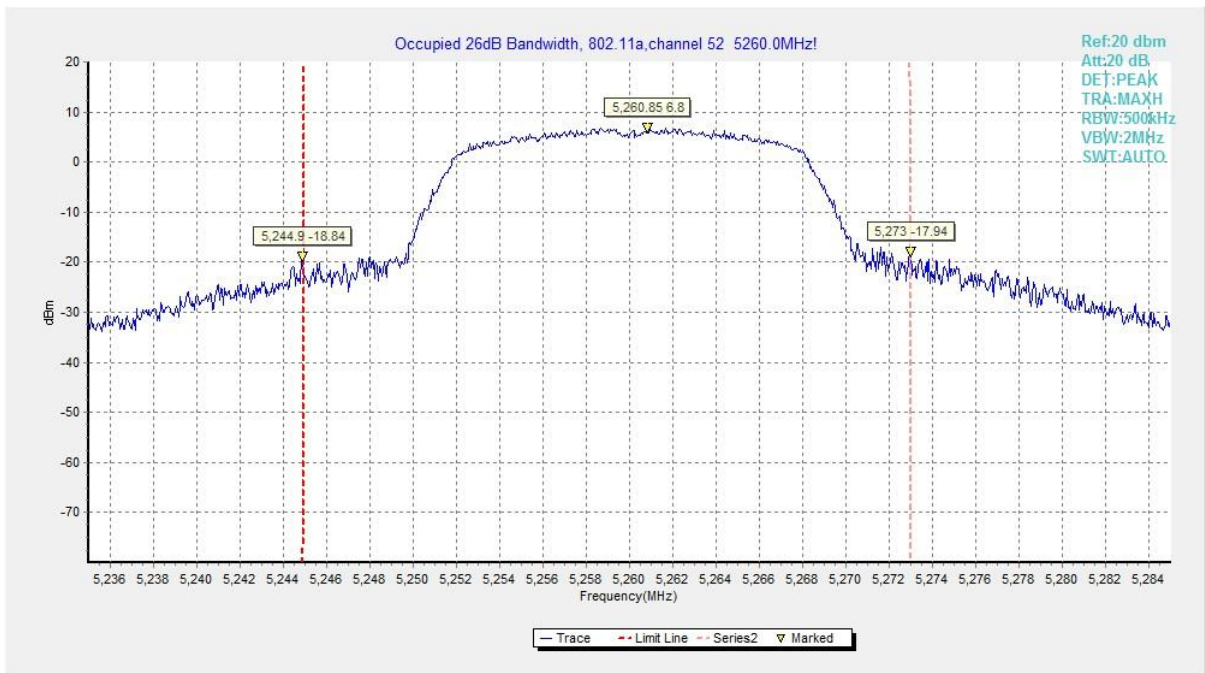


Fig. 4 Occupied 26dB Bandwidth (802.11a, 5260MHz)

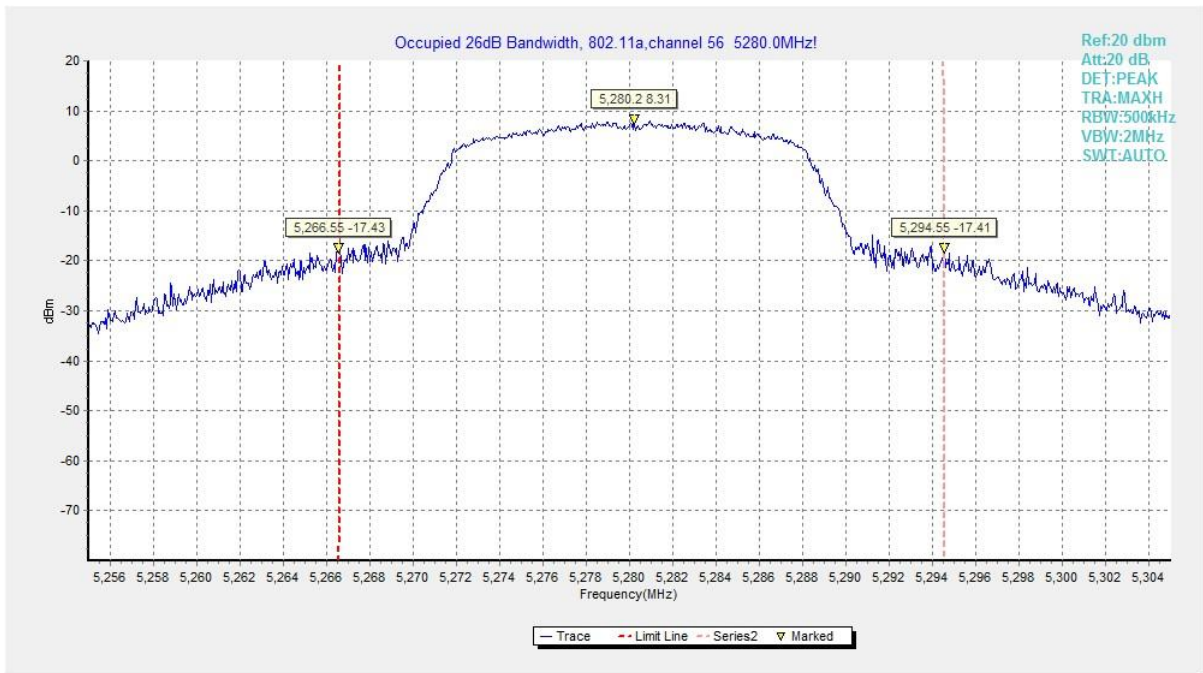


Fig. 5 Occupied 26dB Bandwidth (802.11a, 5280MHz)

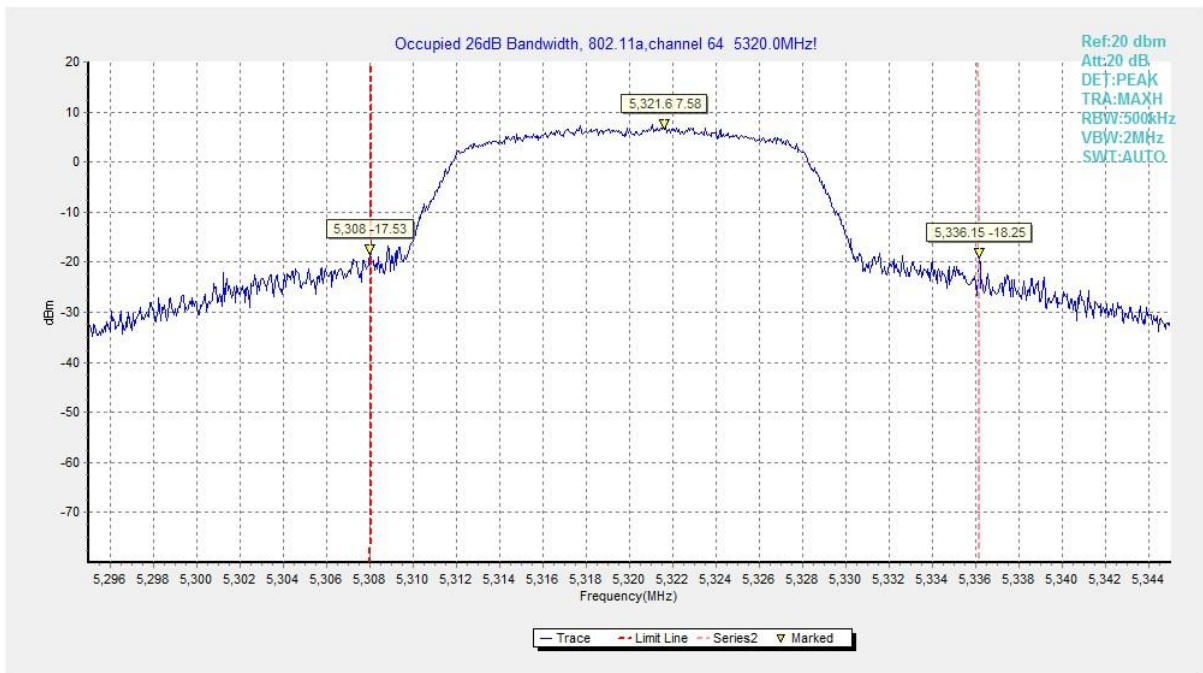


Fig. 6 Occupied 26dB Bandwidth (802.11a, 5320MHz)

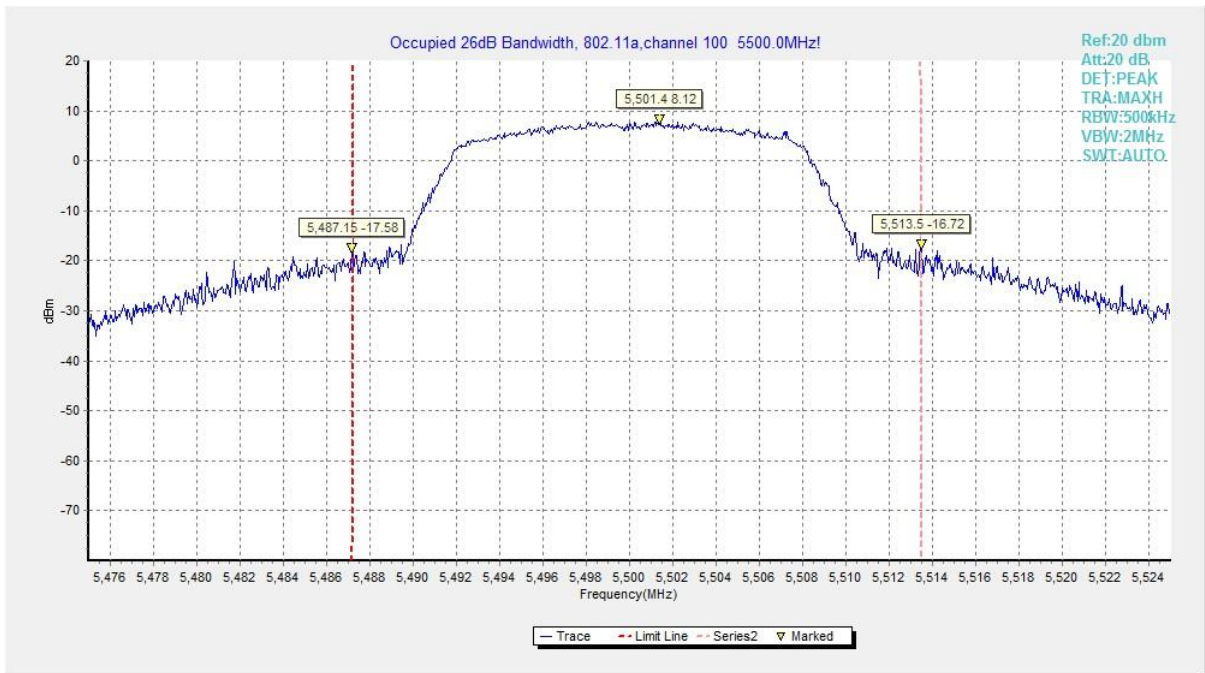


Fig. 7 Occupied 26dB Bandwidth (802.11a, 5500MHz)

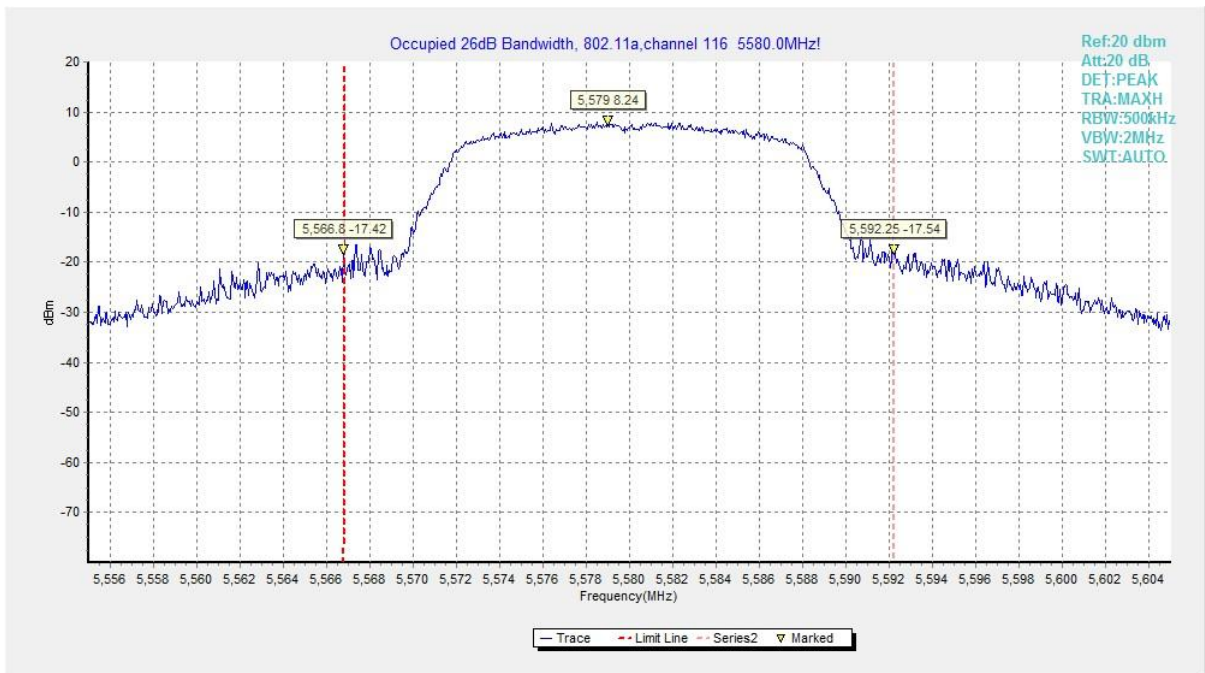


Fig. 8 Occupied 26dB Bandwidth (802.11a, 5580MHz)

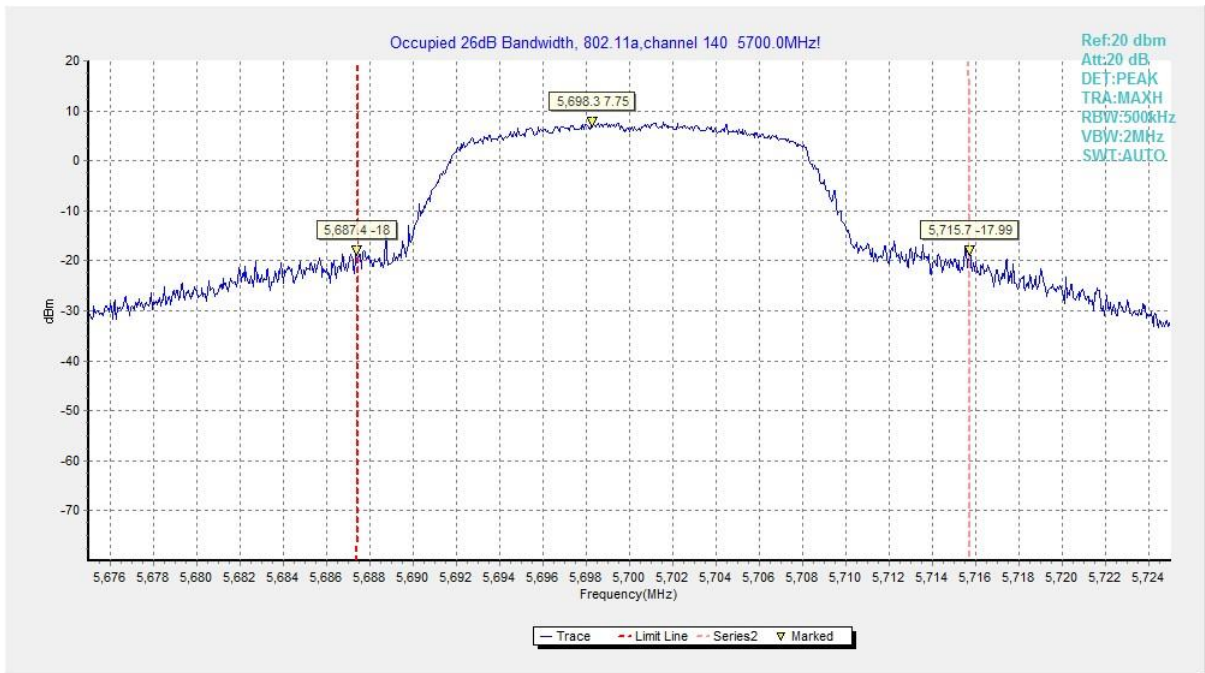


Fig. 9 Occupied 26dB Bandwidth (802.11a, 5700MHz)

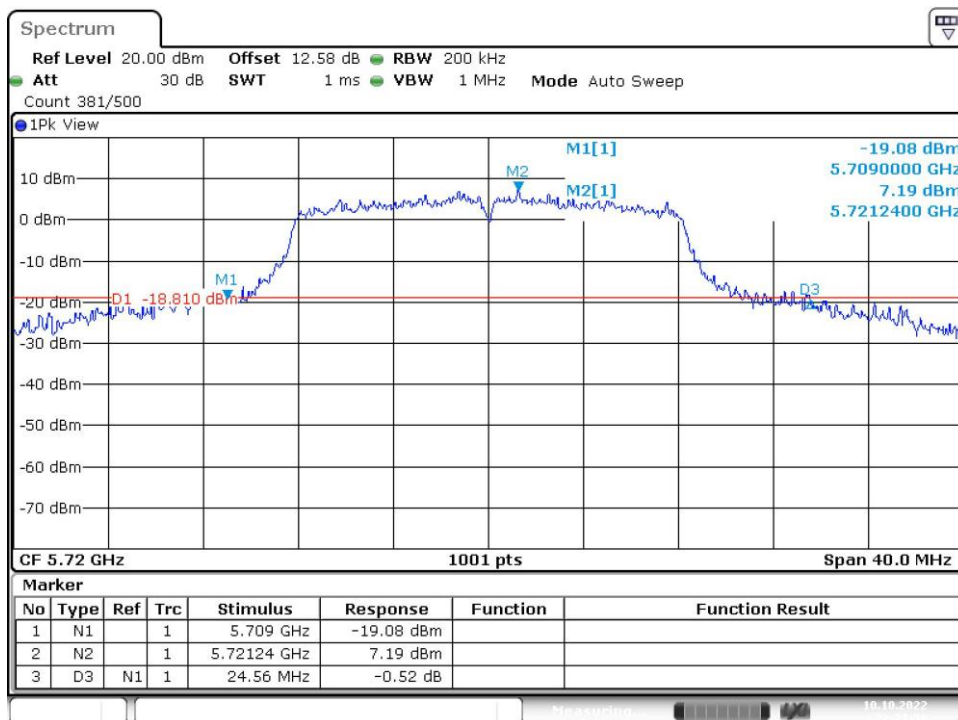


Fig. 10 Occupied 26dB Bandwidth (802.11a, 5720MHz)

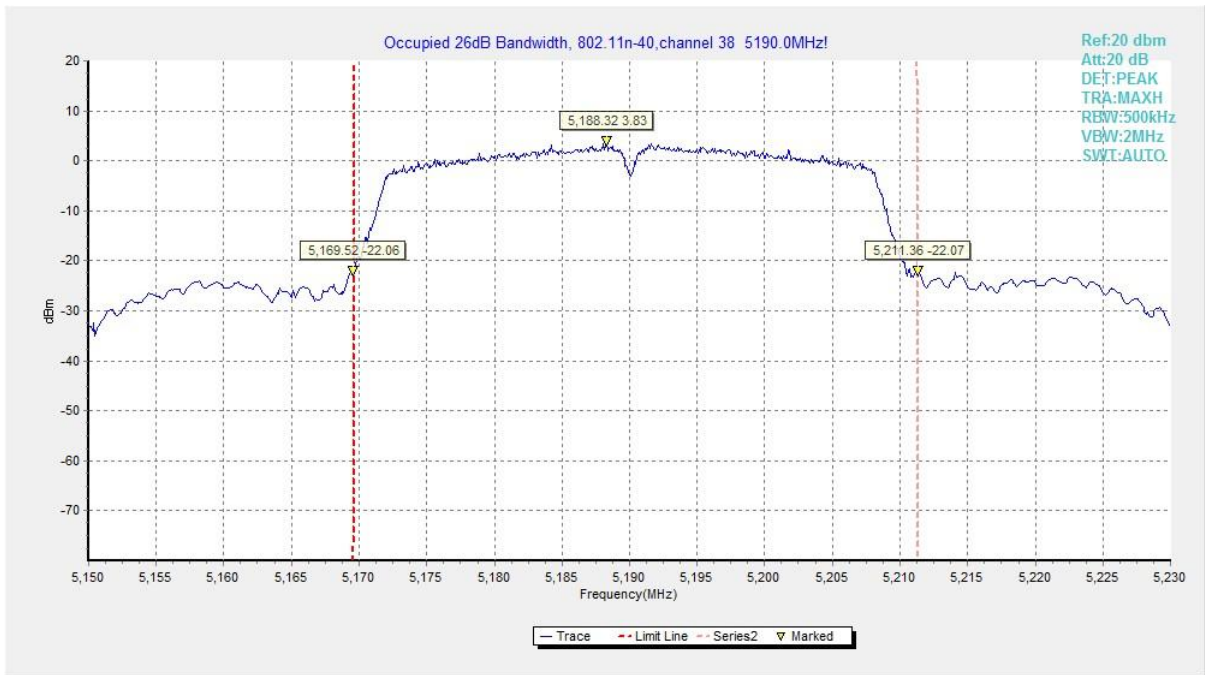


Fig. 11 Occupied 26dB Bandwidth (802.11n-HT40, 5190MHz)

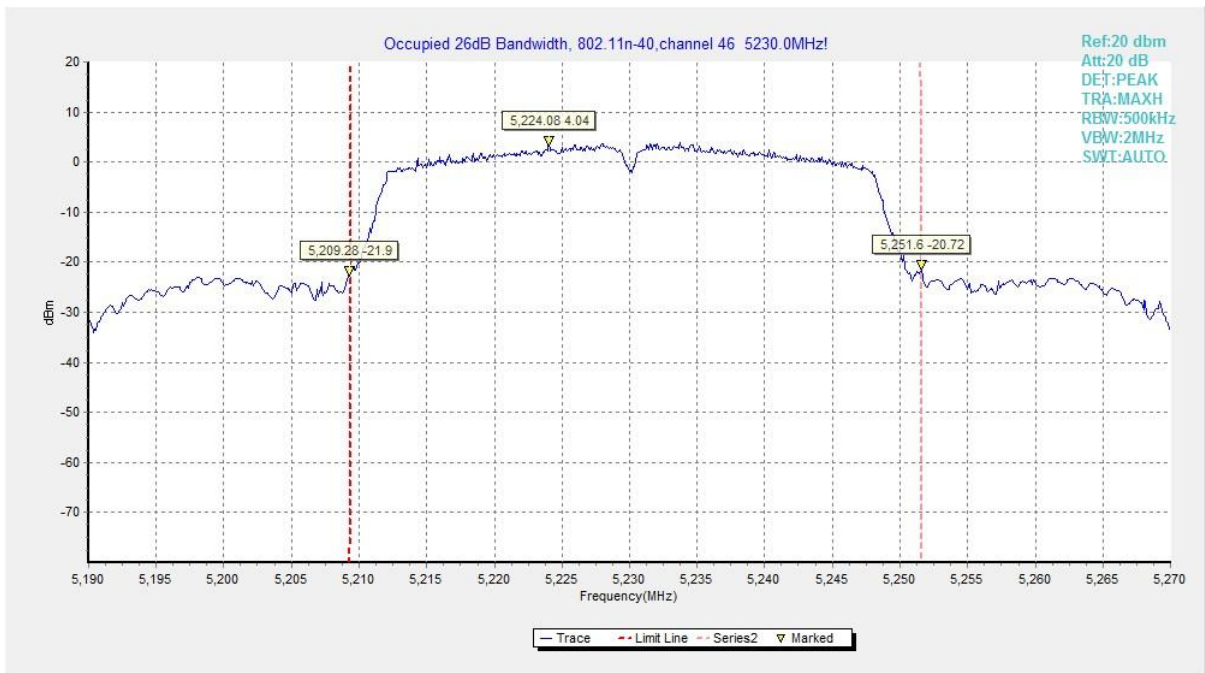


Fig. 12 Occupied 26dB Bandwidth (802.11n-HT40, 5230MHz)

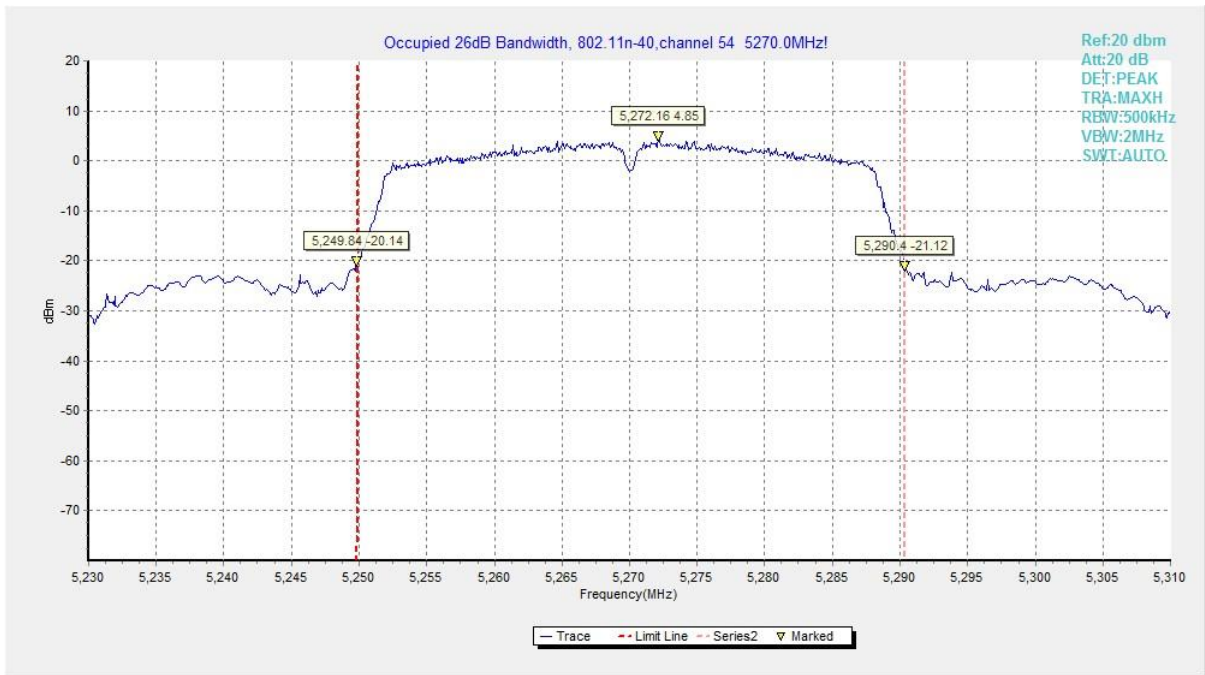


Fig. 13 Occupied 26dB Bandwidth (802.11n-HT40, 5270MHz)

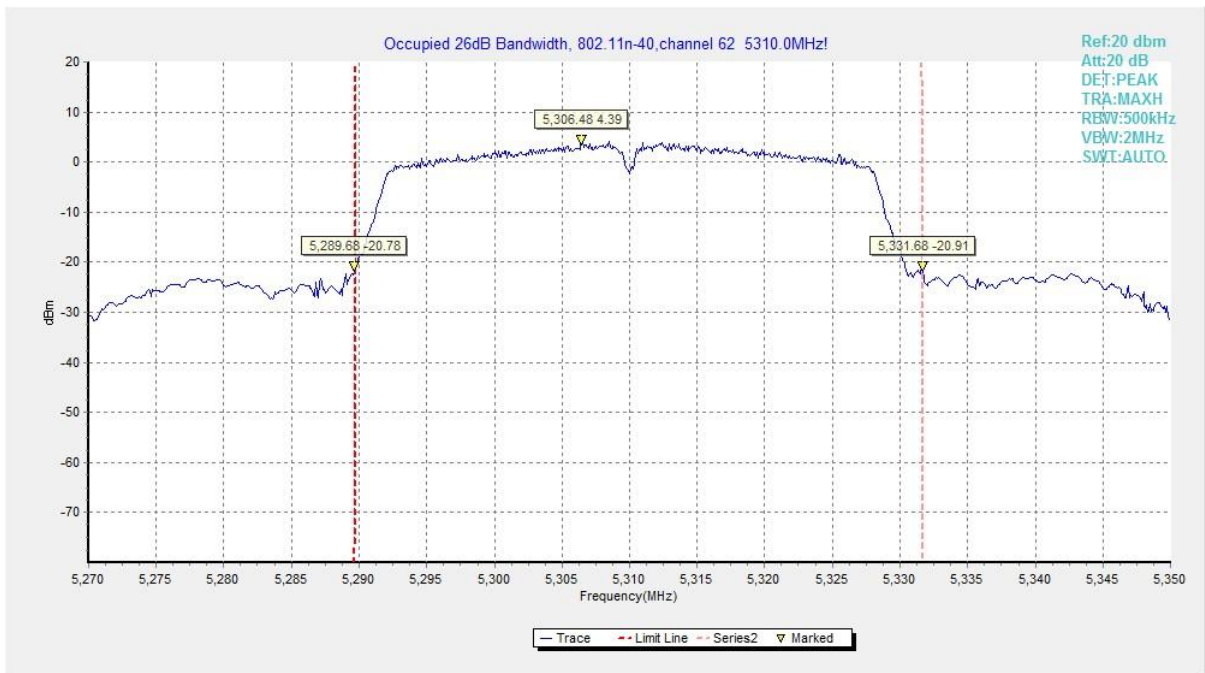


Fig. 14 Occupied 26dB Bandwidth (802.11n-HT40, 5310MHz)

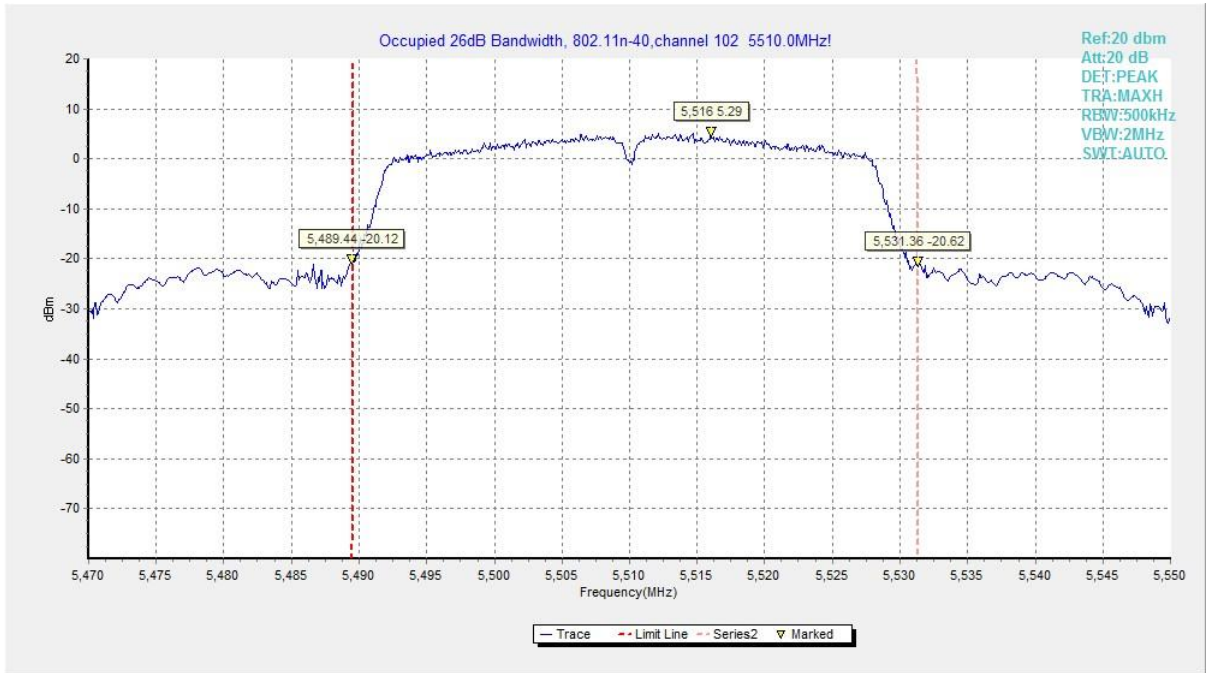


Fig. 15 Occupied 26dB Bandwidth (802.11n-HT40, 5510MHz)

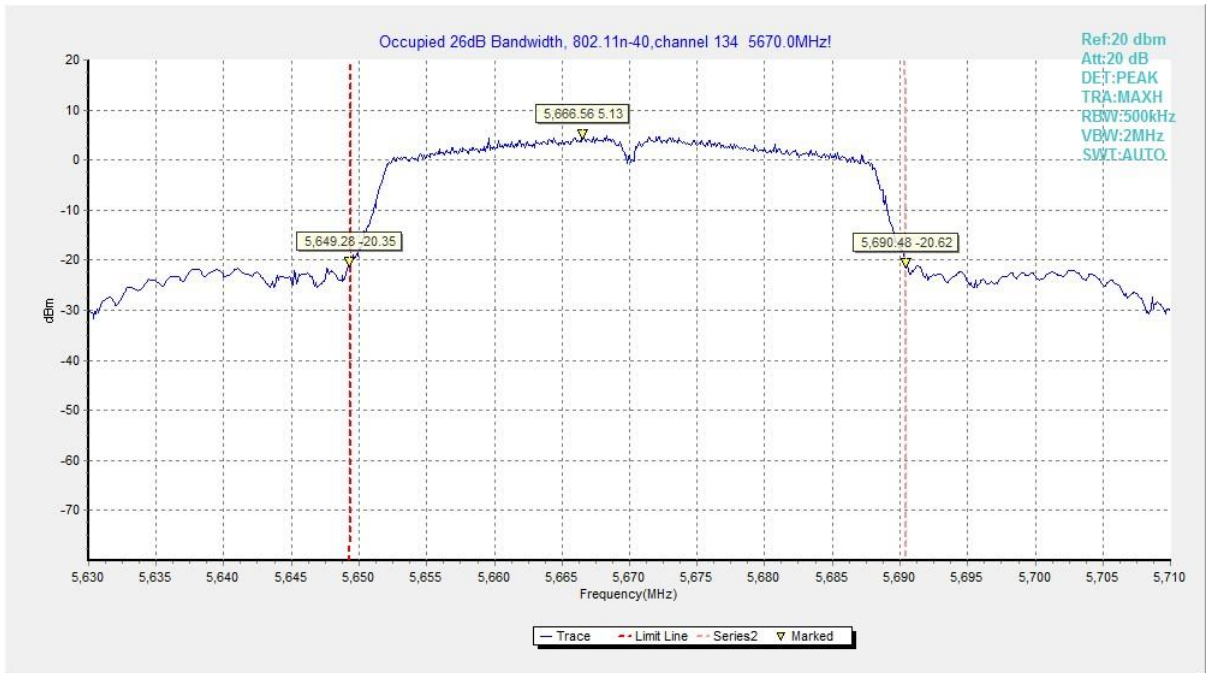


Fig. 16 Occupied 26dB Bandwidth (802.11n-HT40, 5670MHz)

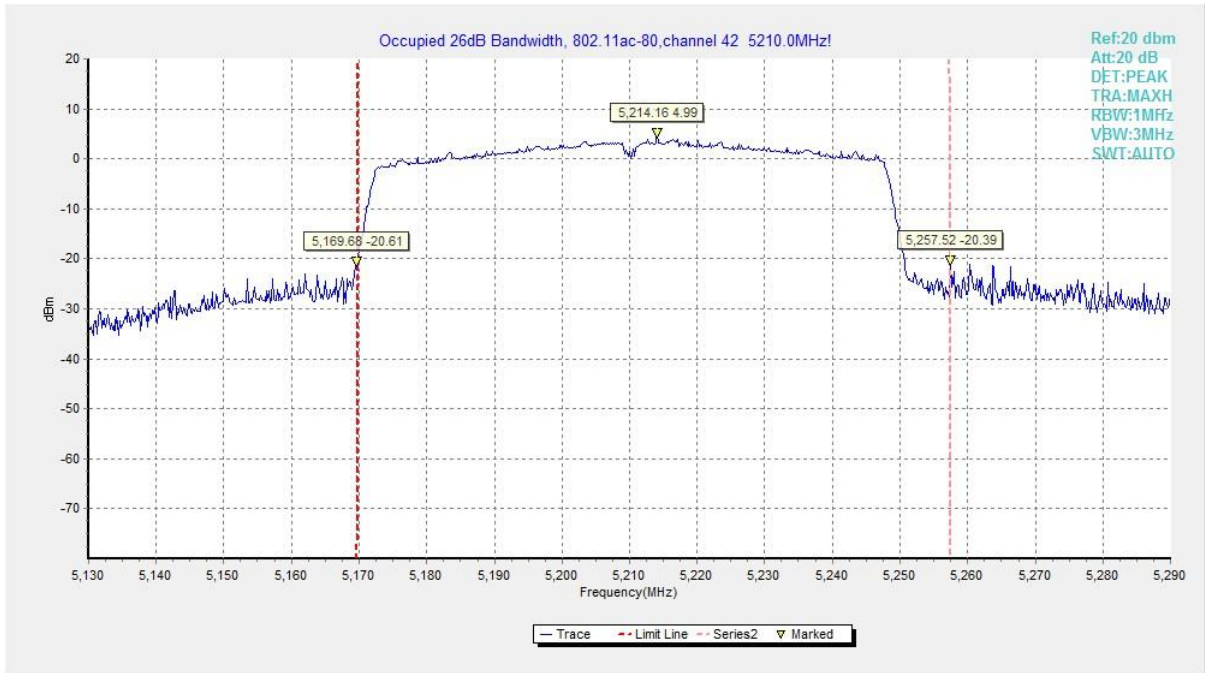


Fig. 17 Occupied 26dB Bandwidth (802. 11ac-VHT80, 5210MHz)

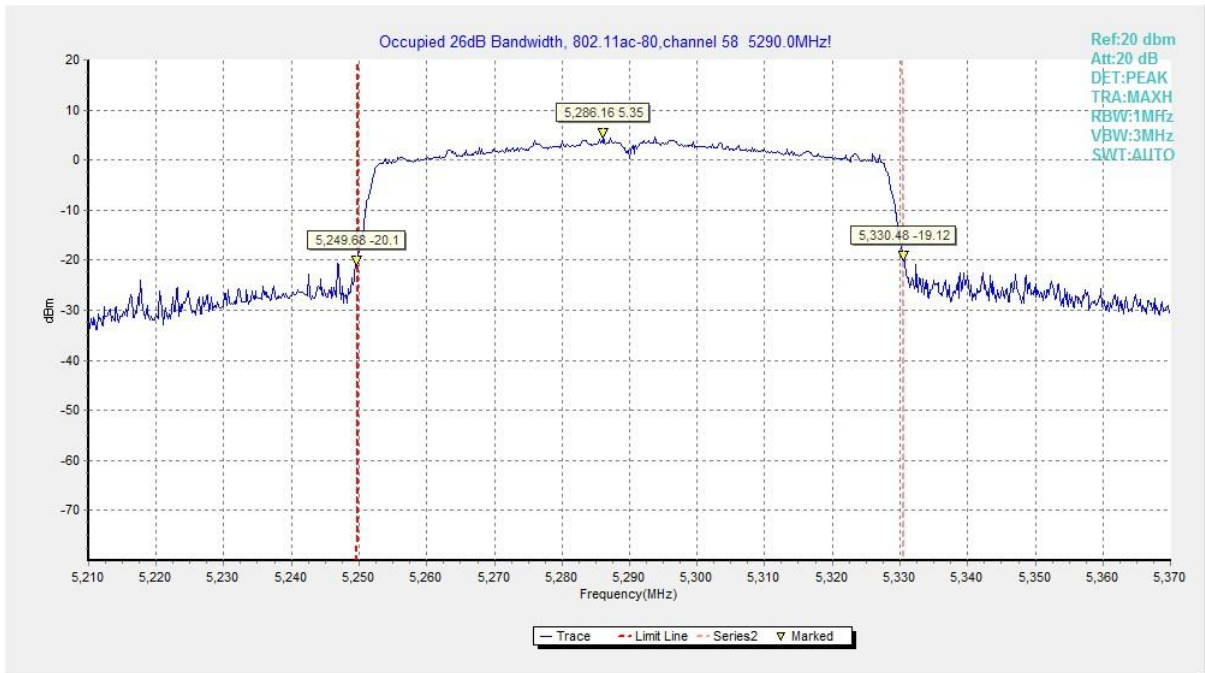


Fig. 18 Occupied 26dB Bandwidth (802. 11ac-VHT80, 5290MHz)

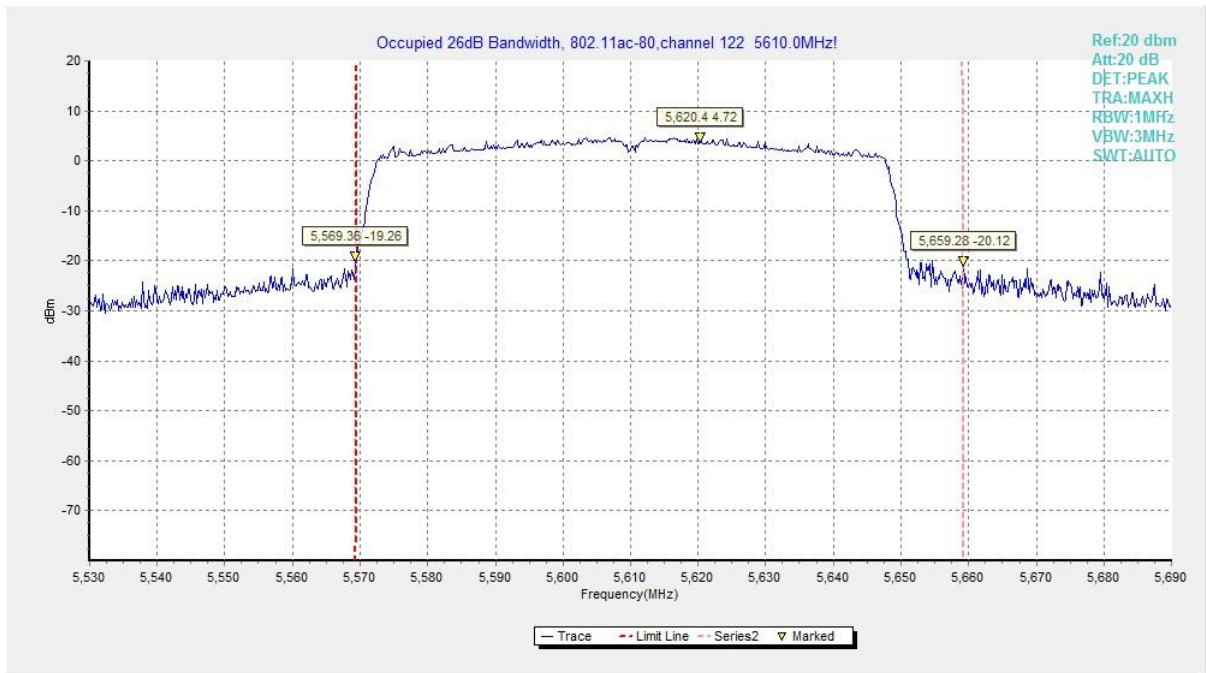


Fig. 19 Occupied 26dB Bandwidth (802. 11ac-VHT80, 5610MHz)

A.5. Occupied 6dB Bandwidth

Measurement Limit:

Standard	Limit (MHz)
FCC 47 CFR Part 15.407	≥ 0.5

The measurement is made according to KDB 789033.

Measurement Result:

Mode	Channel	Occupied 6dB Bandwidth (MHz)		Conclusion
802.11a	5745MHz (Ch149)	Fig.20	15.10	P
	5785MHz (Ch157)	Fig.21	15.45	P
	5825MHz (Ch165)	Fig.22	15.30	P
802.11n-HT40	5755MHz (Ch151)	Fig.23	35.12	P
	5795MHz (Ch159)	Fig.24	35.12	P
802.11ac-VHT80	5775MHz (Ch155)	Fig.25	75.20	P

Conclusion: PASS

Test graphs as below:

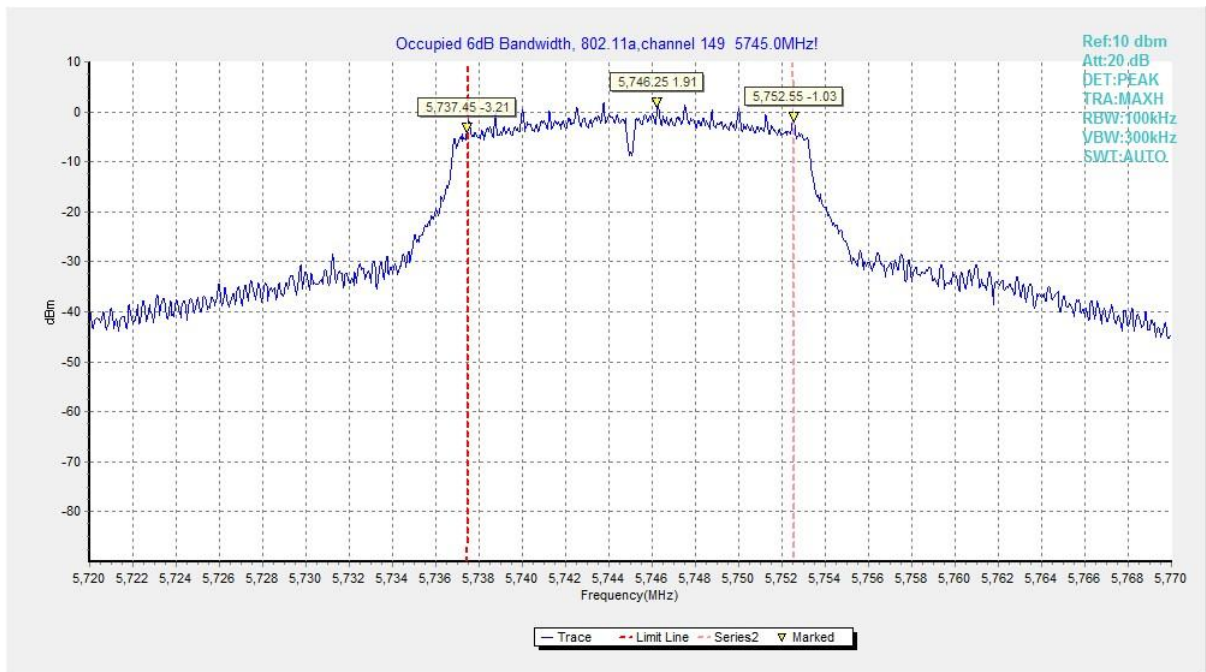


Fig. 20 Occupied 6dB Bandwidth (802.11a, 5745MHz)

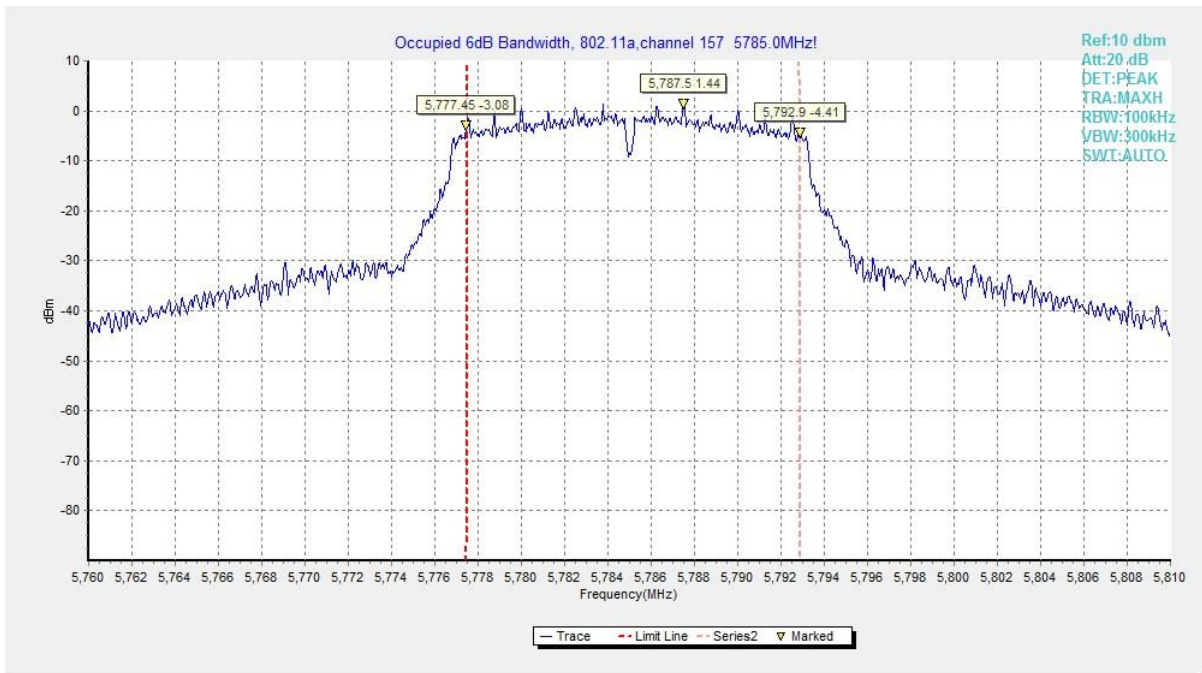


Fig. 21 Occupied 6dB Bandwidth (802.11a, 5785MHz)

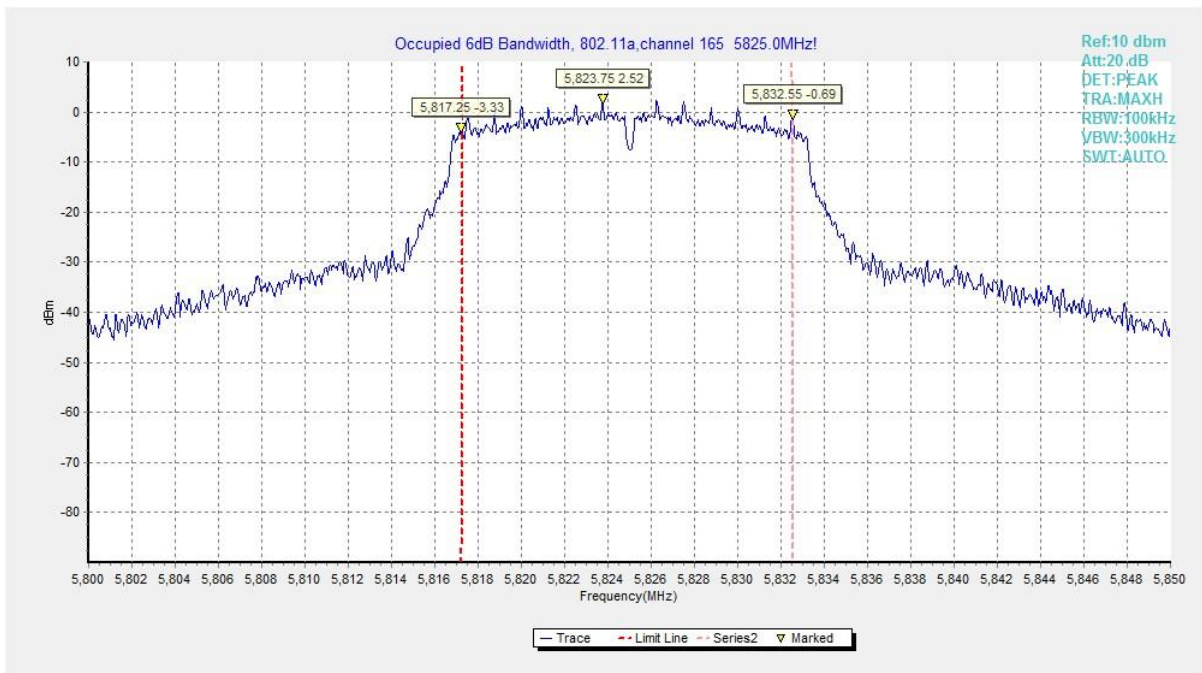


Fig. 22 Occupied 6dB Bandwidth (802.11a, 5825MHz)

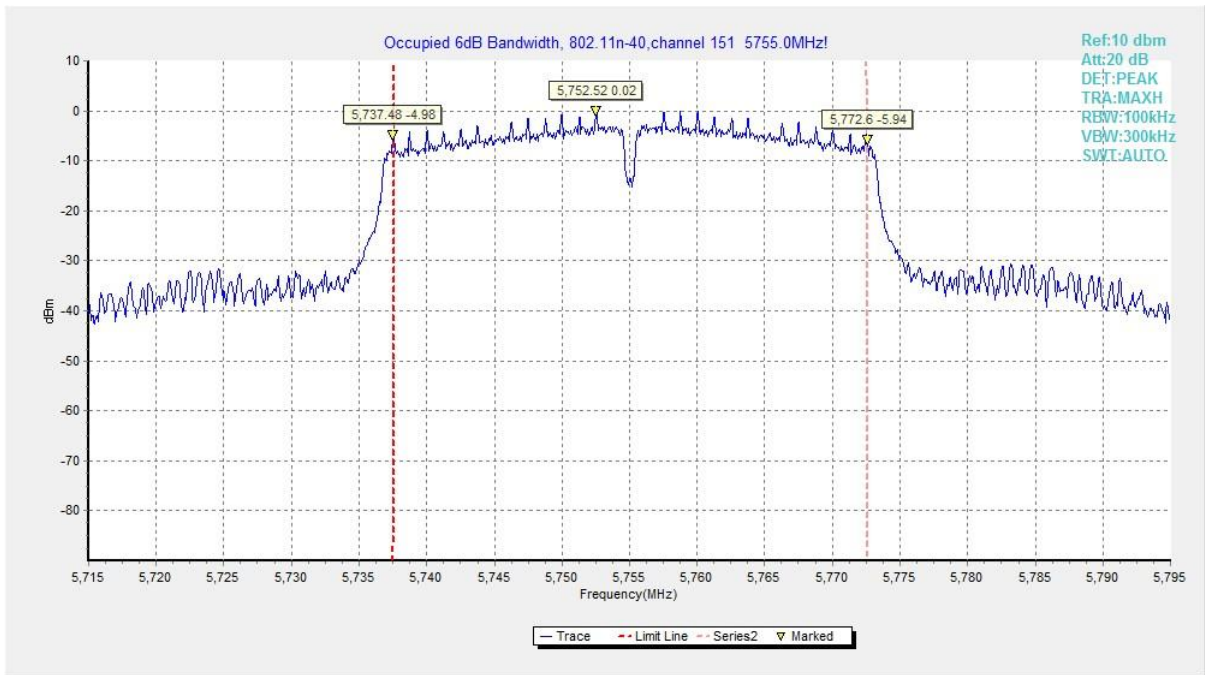


Fig. 23 Occupied 6dB Bandwidth (802.11n-HT40, 5755MHz)

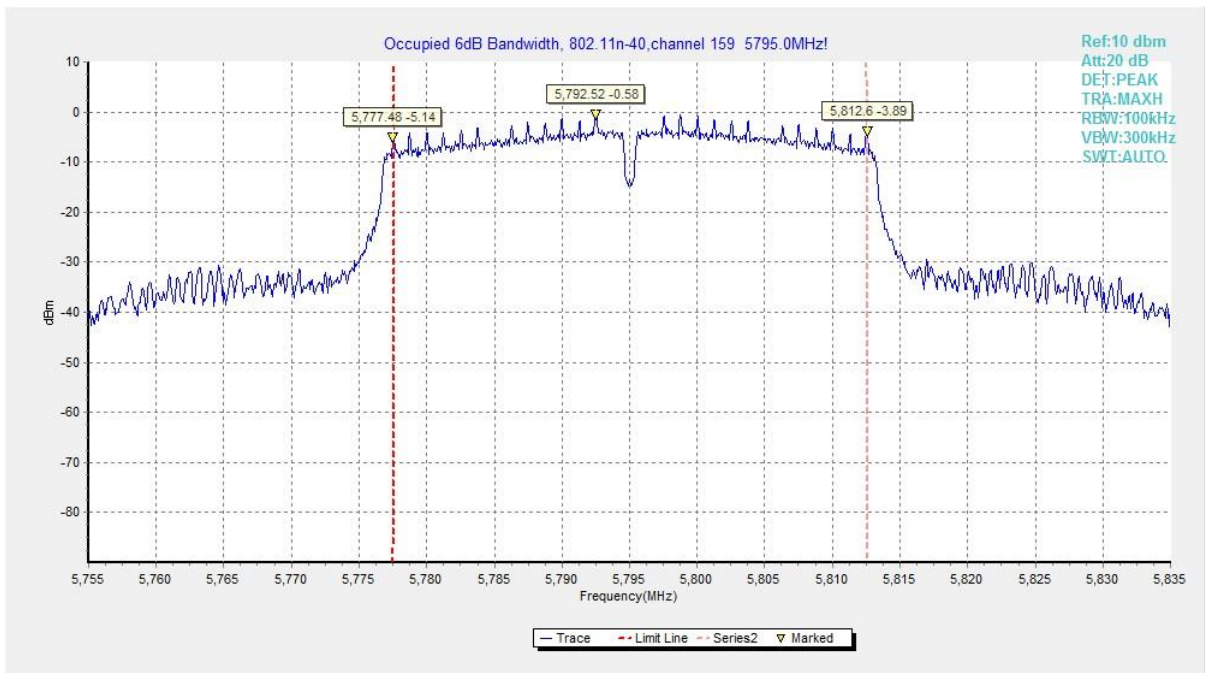


Fig. 24 Occupied 6dB Bandwidth (802.11n-HT40, 5795MHz)

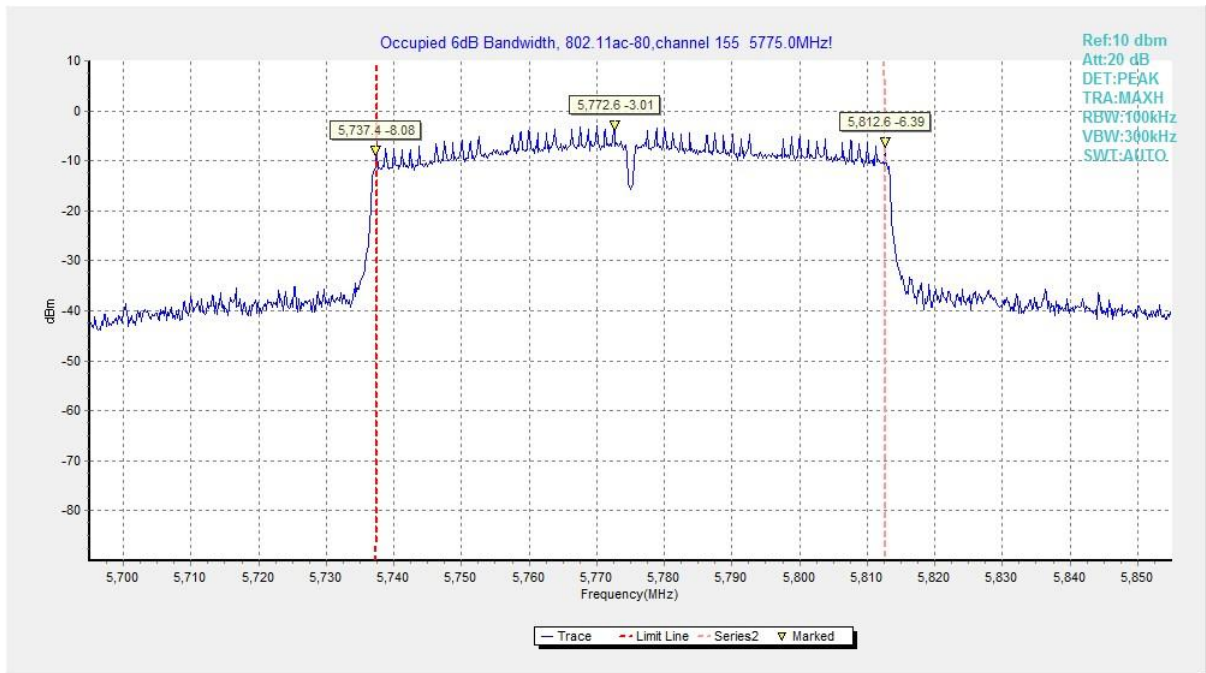


Fig. 25 Occupied 6dB Bandwidth (802.11ac-VHT80, 5775MHz)



A.6. 99% Occupied Bandwidth

Measurement Limit:

Standard	Limit (MHz)
FCC 47 CFR Part 15.403	/

The measurement is made according to KDB 789033.

Measurement Result:

Mode	Channel	99% Occupied Bandwidth (MHz)		Conclusion
		Fig.	Value	
802.11a	5180MHz (Ch36)	Fig.26	17.38	P
	5200MHz (Ch40)	Fig.27	17.50	P
	5240MHz (Ch48)	Fig.28	17.42	P
	5260MHz (Ch52)	Fig.29	17.38	P
	5280MHz (Ch56)	Fig.30	17.42	P
	5320MHz (Ch64)	Fig.31	17.42	P
	5500MHz (Ch100)	Fig.32	17.46	P
	5580MHz (Ch116)	Fig.33	17.34	P
	5700MHz (Ch140)	Fig.34	17.42	P
	5720MHz (Ch144)	Fig.35	18.14	P
	5745MHz (Ch149)	Fig.36	17.46	P
	5785MHz (Ch157)	Fig.37	17.58	P
5825MHz (Ch165)	Fig.38	17.46	P	
802.11n-HT40	5190MHz (Ch38)	Fig.39	36.44	P
	5230MHz (Ch46)	Fig.40	36.28	P
	5270MHz (Ch54)	Fig.41	36.36	P
	5310MHz (Ch62)	Fig.42	36.36	P
	5510MHz (Ch102)	Fig.43	36.36	P
	5670MHz (Ch134)	Fig.44	36.36	P
	5755MHz (Ch151)	Fig.45	36.28	P
5795MHz (Ch159)	Fig.46	36.52	P	
802.11ac-VHT80	5210MHz (Ch42)	Fig.47	75.28	P
	5290MHz (Ch58)	Fig.48	75.28	P
	5610MHz (Ch122)	Fig.49	75.44	P
	5775MHz (Ch155)	Fig.50	75.44	P

Conclusion: PASS

Test graphs as below:

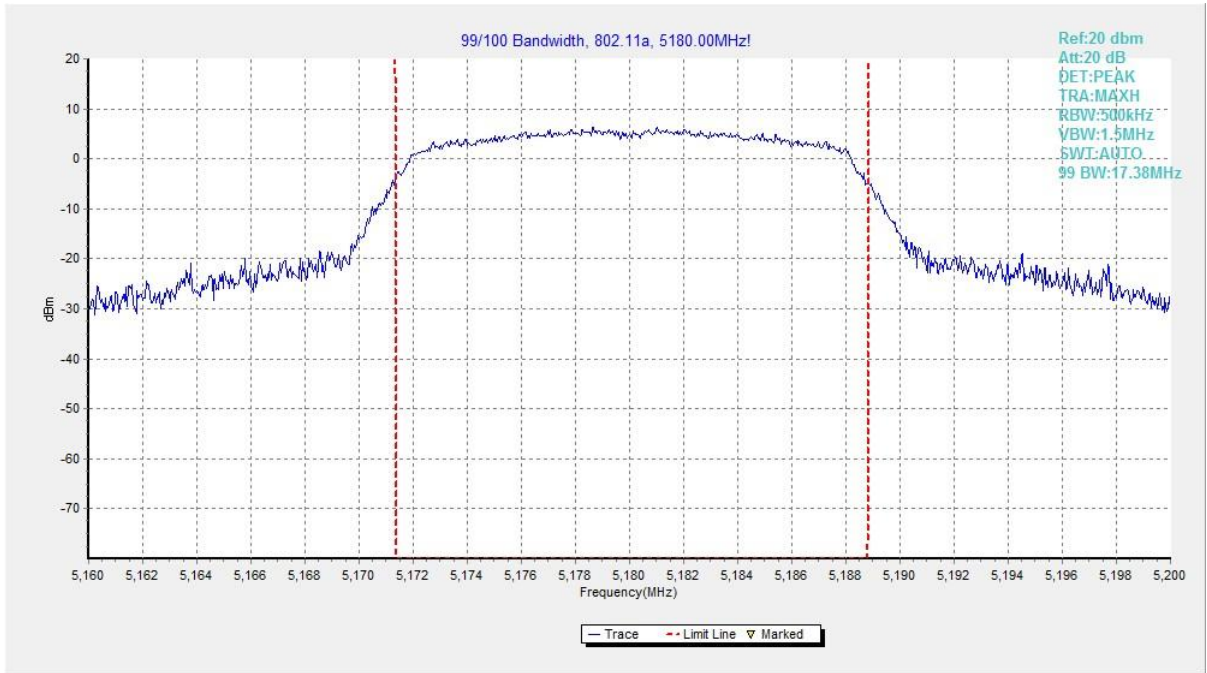


Fig. 26 99% Occupied Bandwidth (802.11a, 5180MHz)

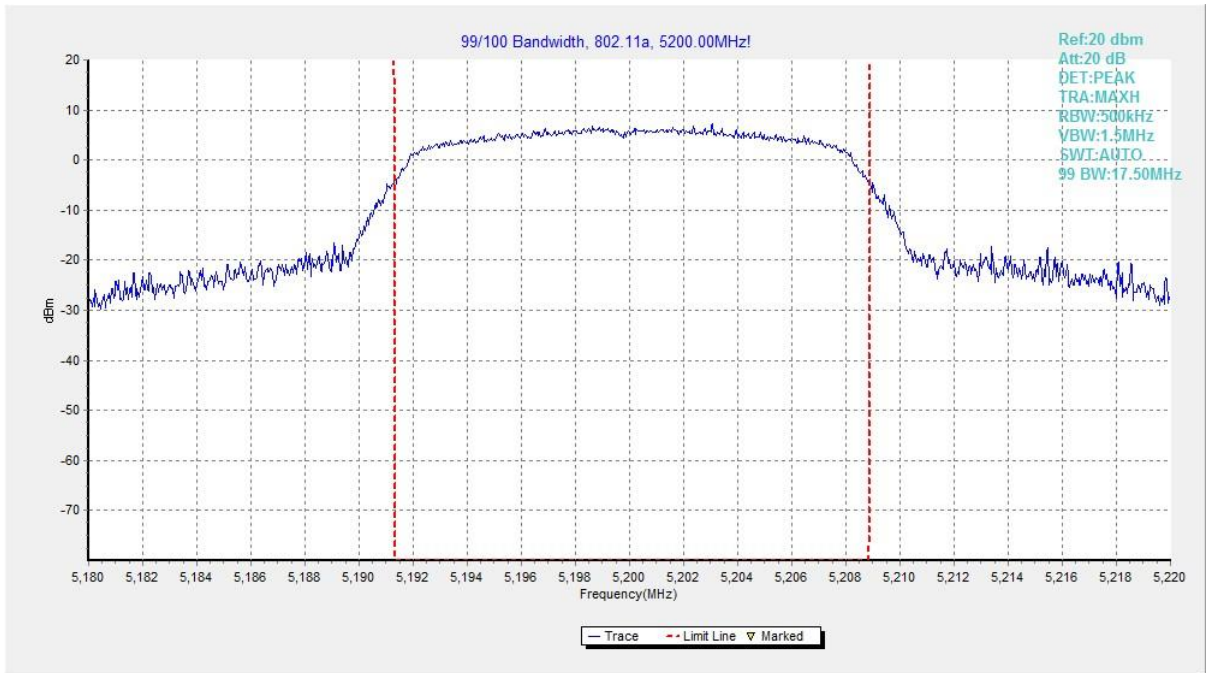


Fig. 27 99% Occupied Bandwidth (802.11a, 5200MHz)

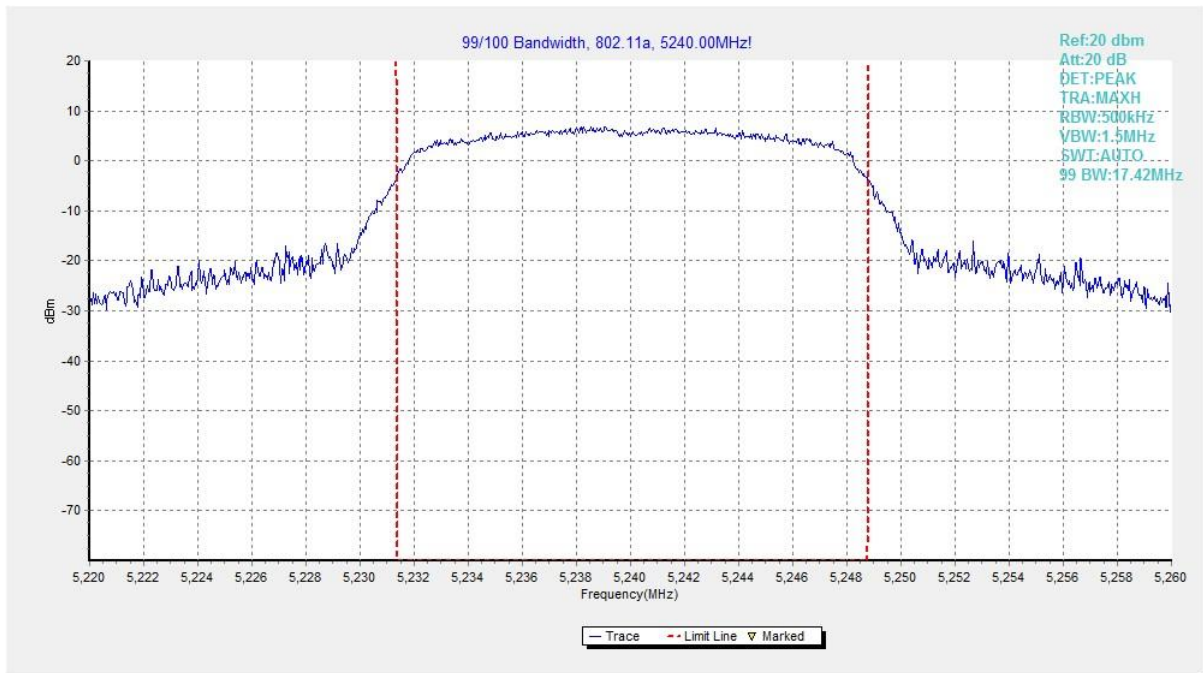


Fig. 28 99% Occupied Bandwidth (802.11a, 5240MHz)

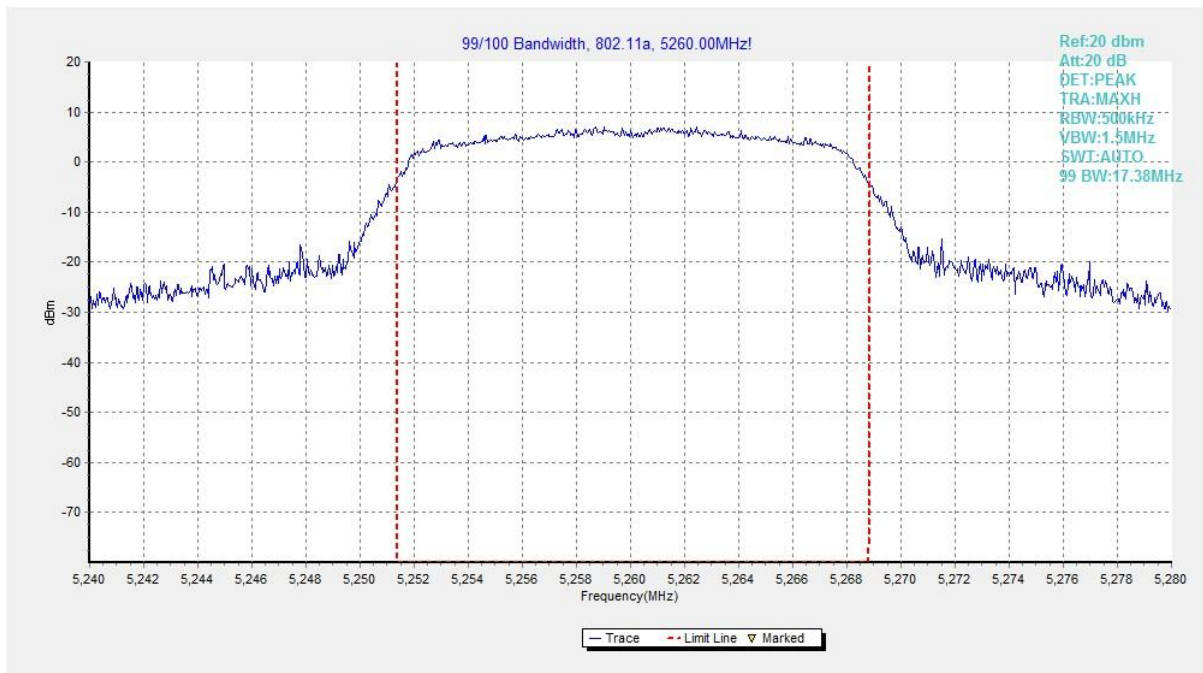


Fig. 29 99% Occupied Bandwidth (802.11a, 5260MHz)

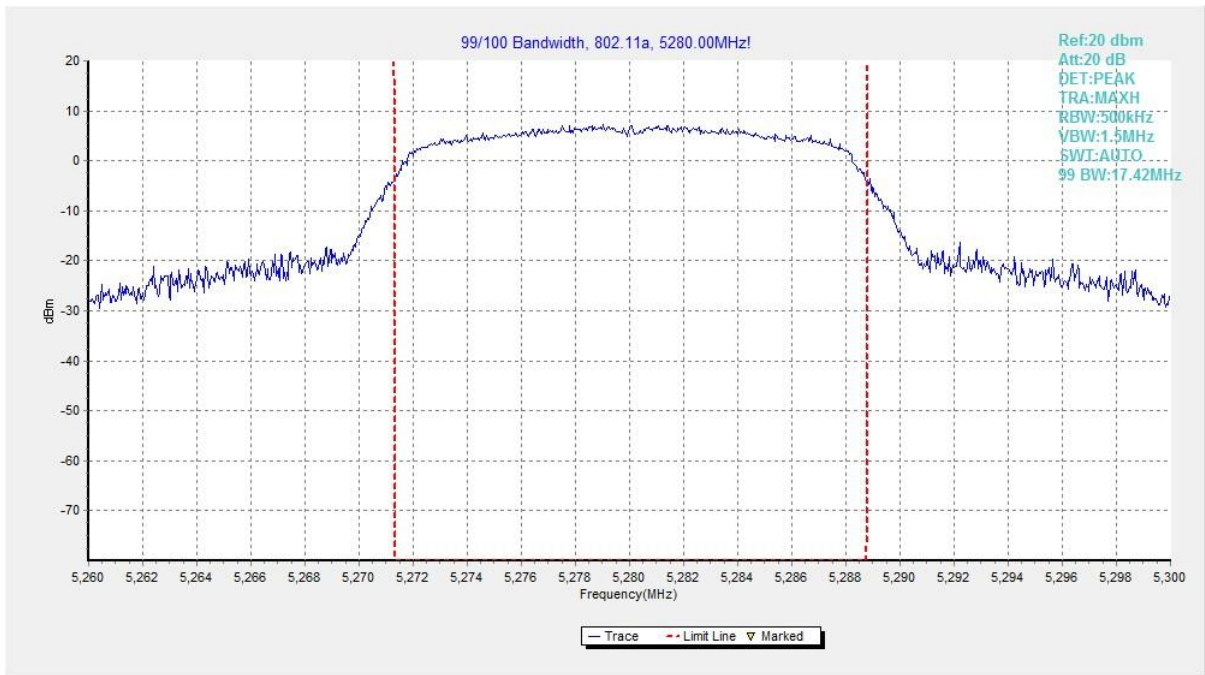


Fig. 30 99% Occupied Bandwidth (802.11a, 5280MHz)

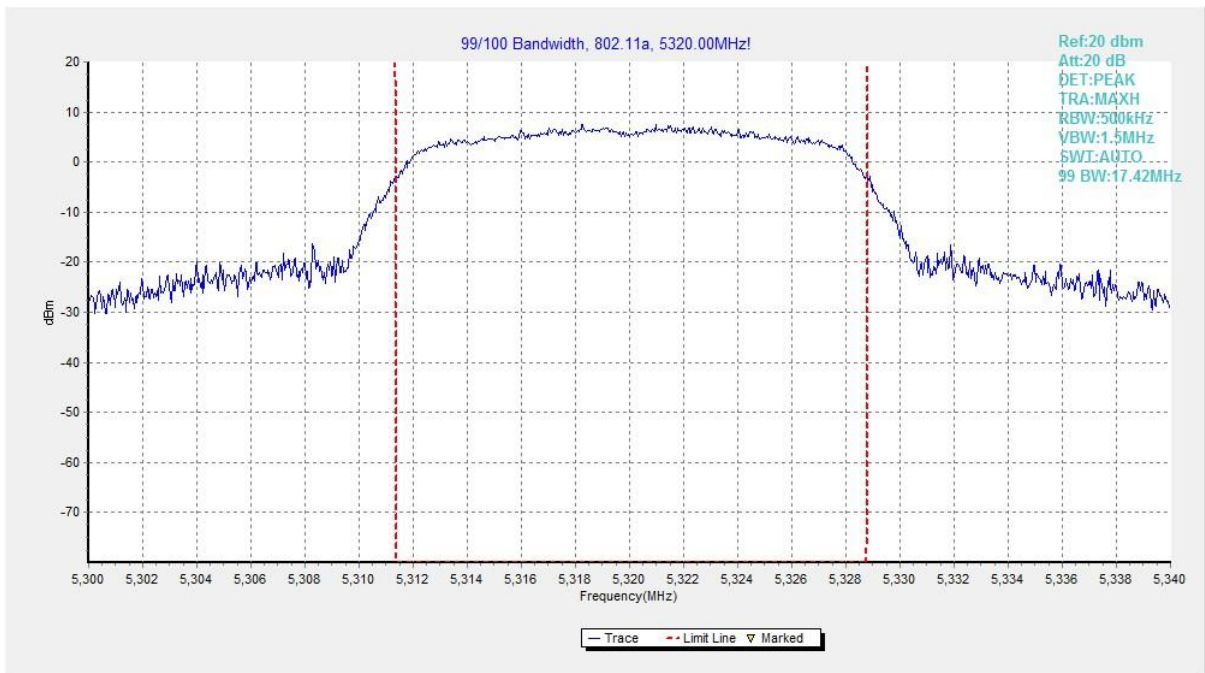


Fig. 31 99% Occupied Bandwidth (802.11a, 5320MHz)

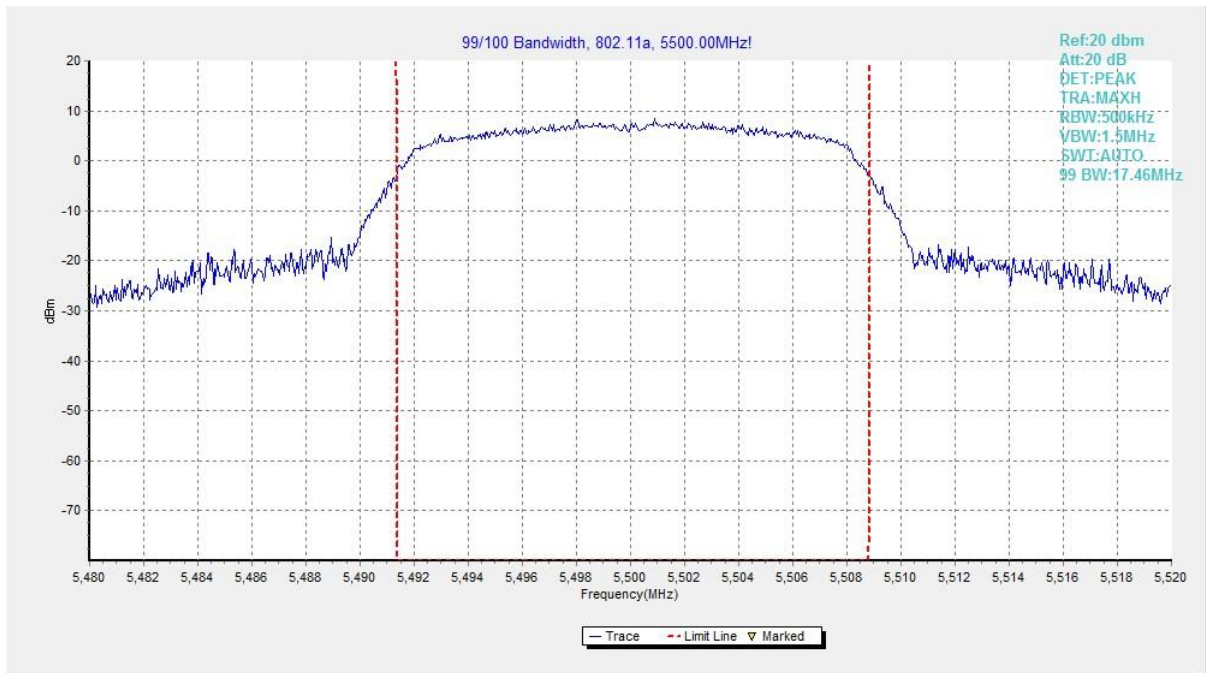


Fig. 32 99% Occupied Bandwidth (802.11a, 5500MHz)

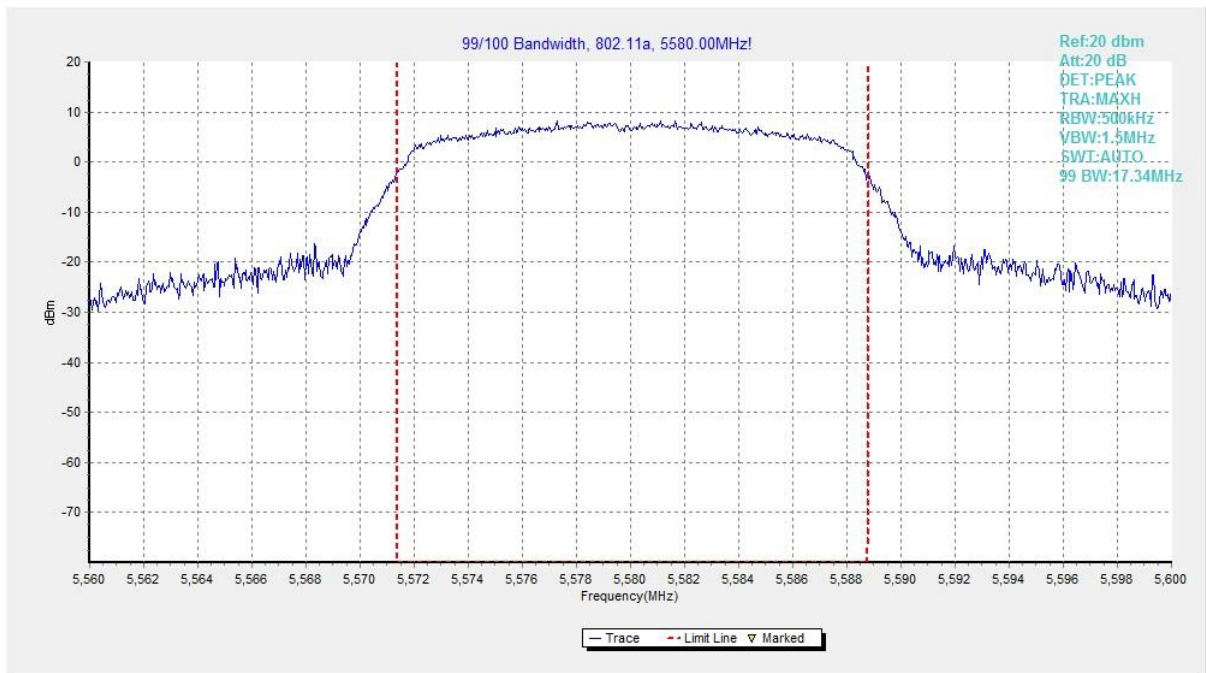


Fig. 33 99% Occupied Bandwidth (802.11a, 5580MHz)

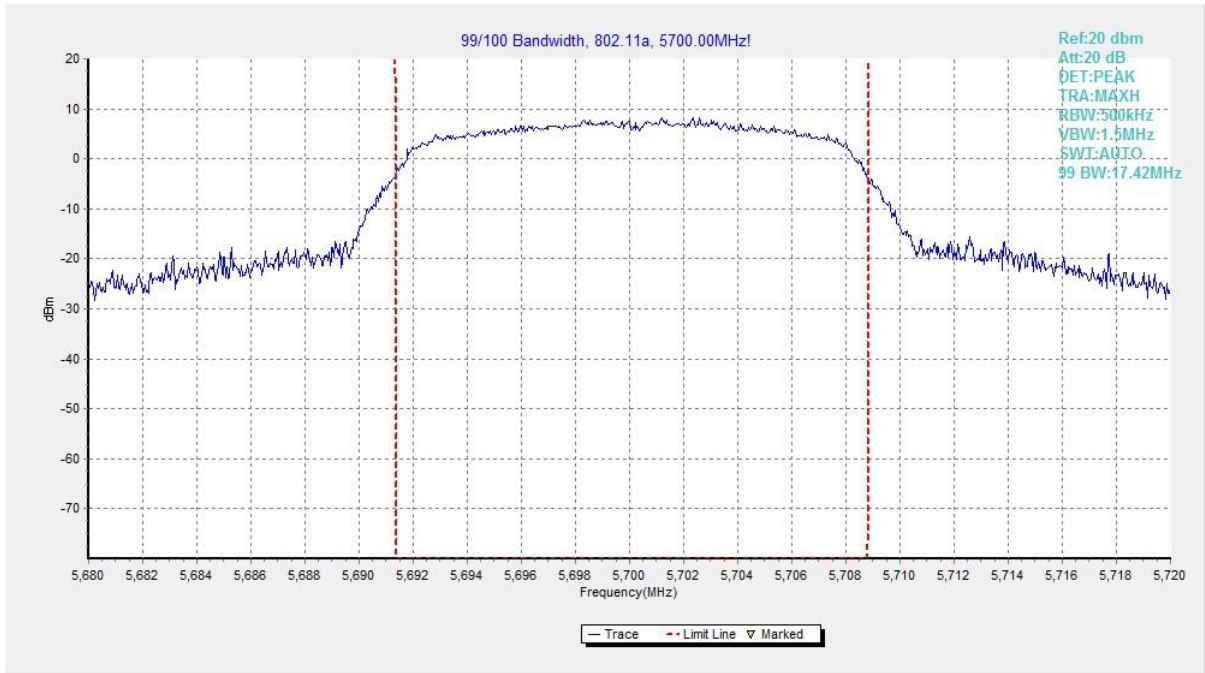


Fig. 34 99% Occupied Bandwidth (802.11a, 5700MHz)

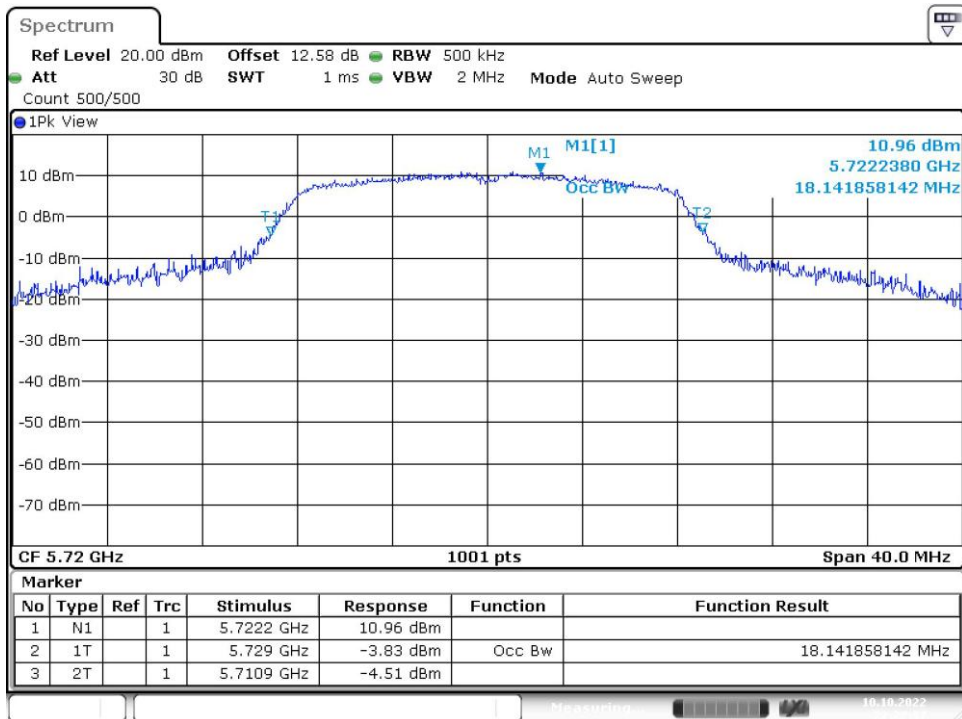


Fig. 35 99% Occupied Bandwidth (802.11a, 5720MHz)



Fig. 36 99% Occupied Bandwidth (802.11a, 5745MHz)

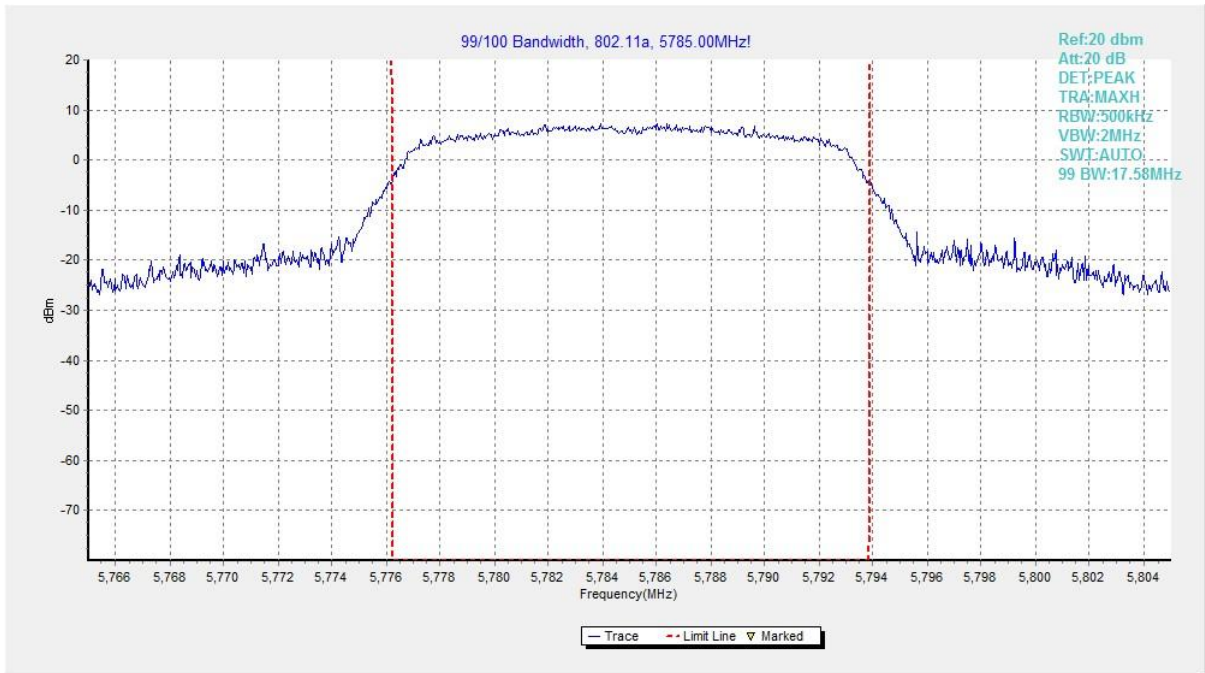


Fig. 37 99% Occupied Bandwidth (802.11a, 5785MHz)

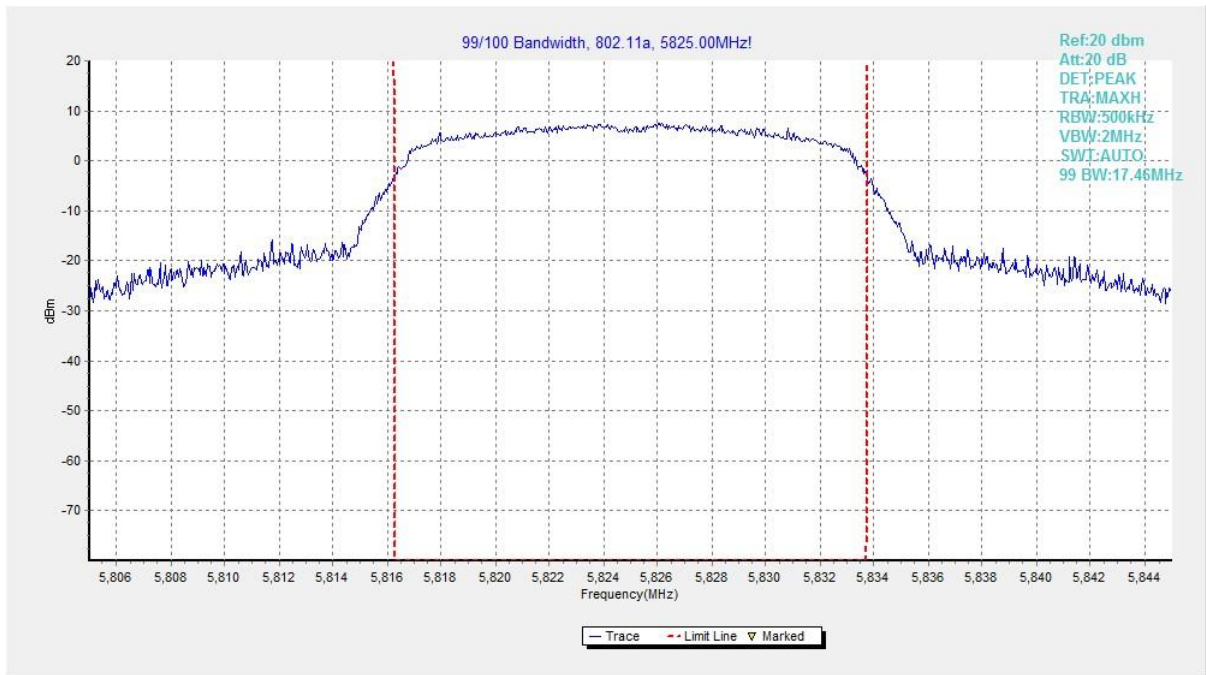


Fig. 38 99% Occupied Bandwidth (802.11a, 5825MHz)

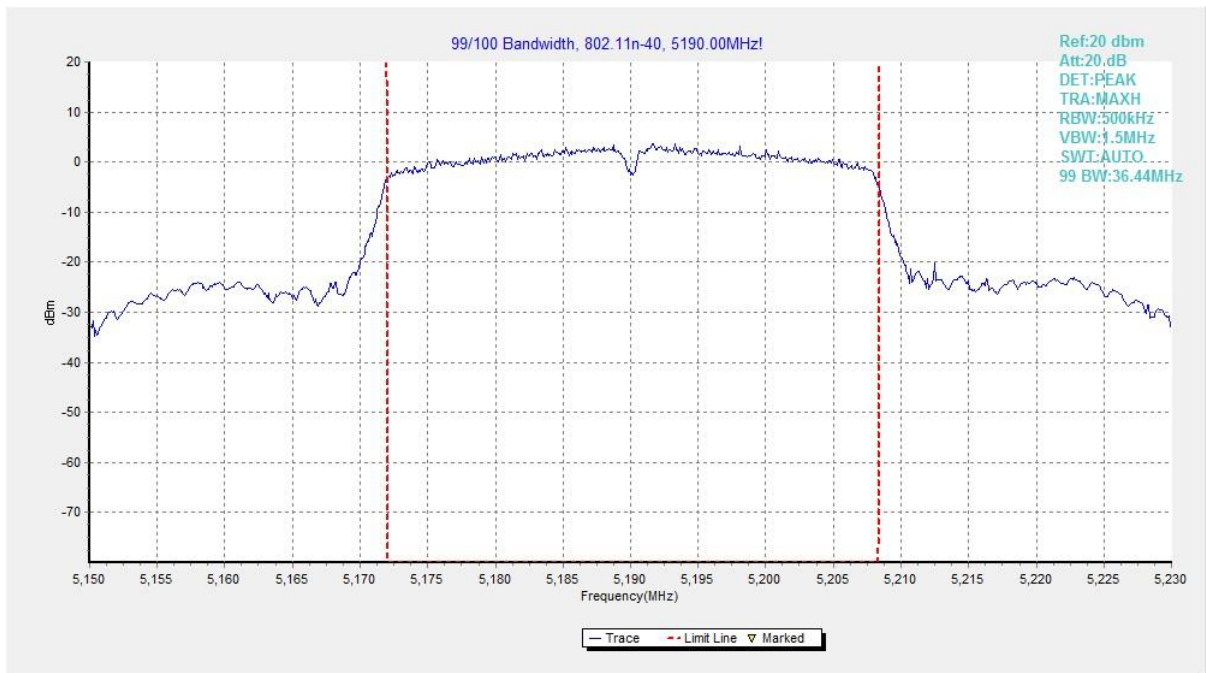


Fig. 39 99% Occupied Bandwidth (802.11n-HT40, 5190MHz)

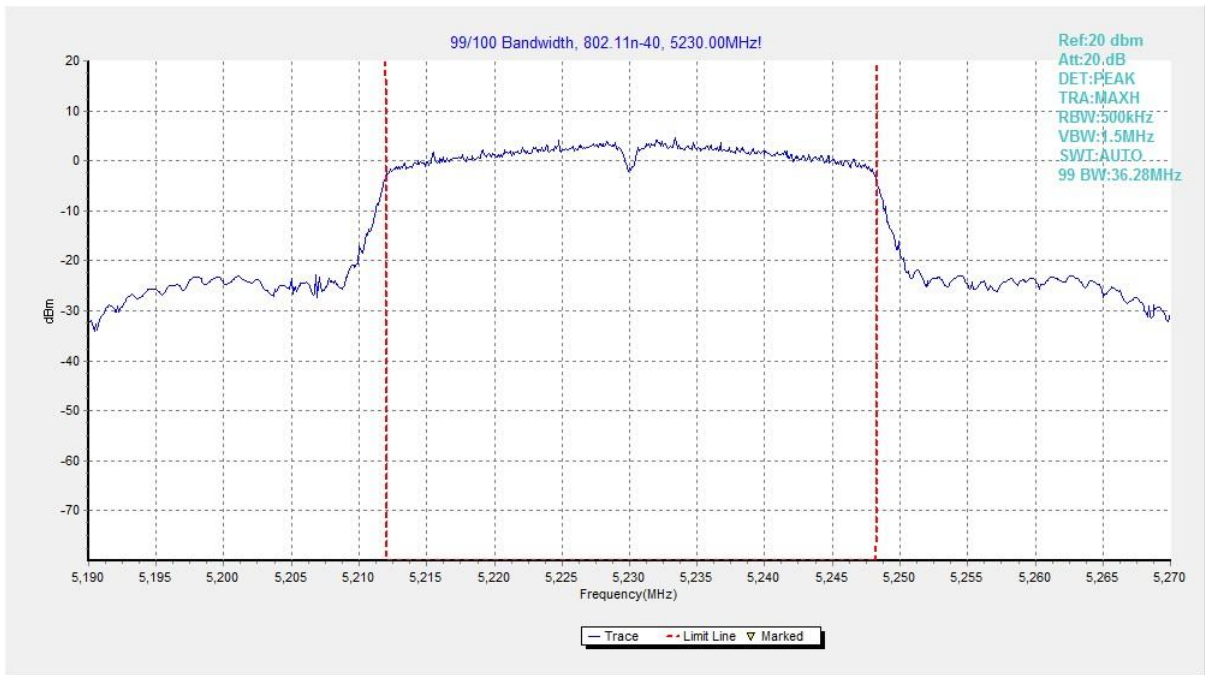


Fig. 40 99% Occupied Bandwidth (802.11n-HT40, 5230MHz)

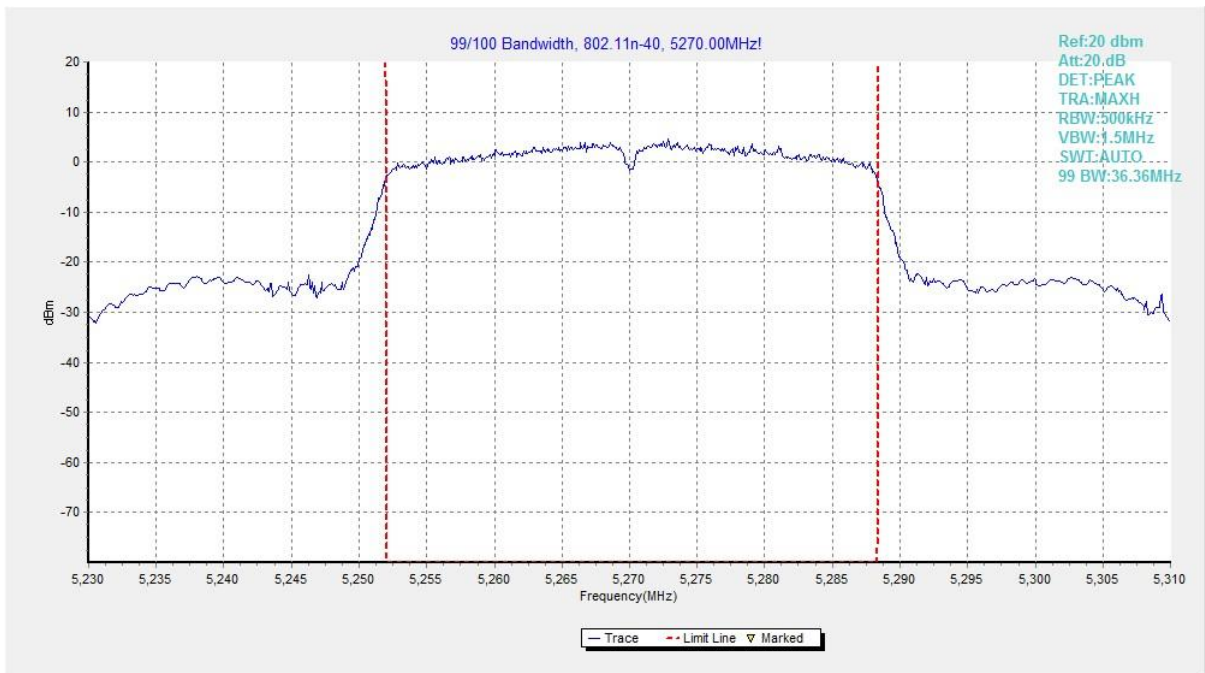


Fig. 41 99% Occupied Bandwidth (802.11n-HT40, 5270MHz)

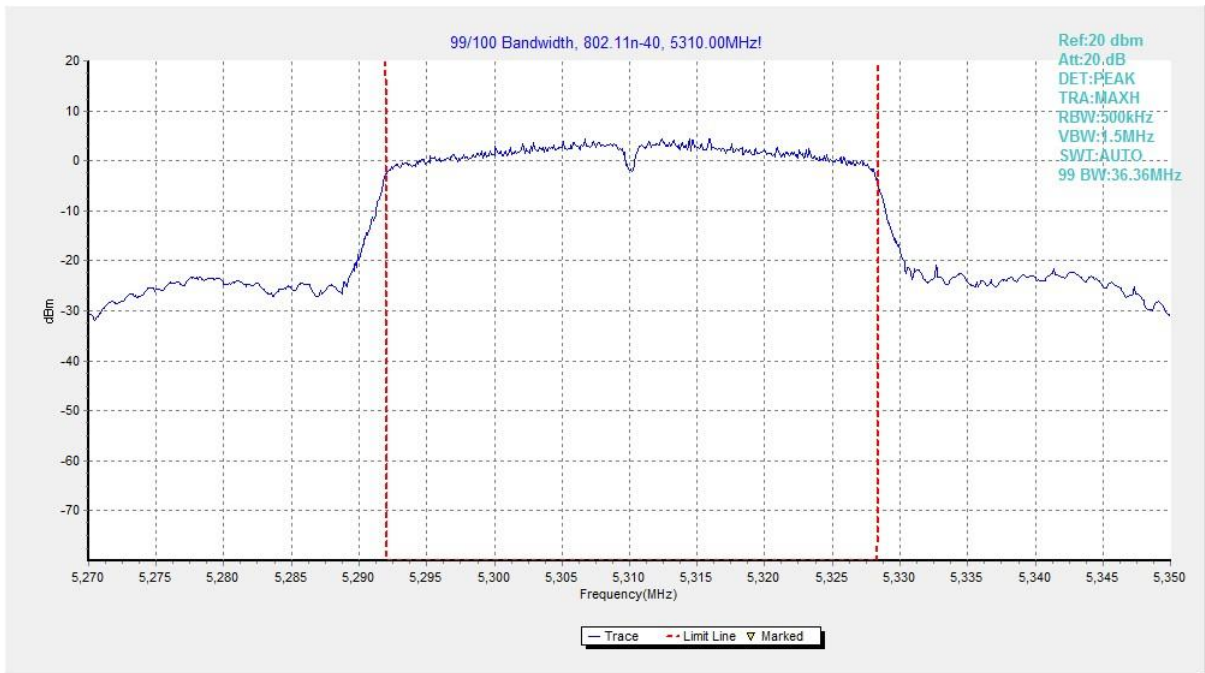


Fig. 42 99% Occupied Bandwidth (802.11n-HT40, 5310MHz)

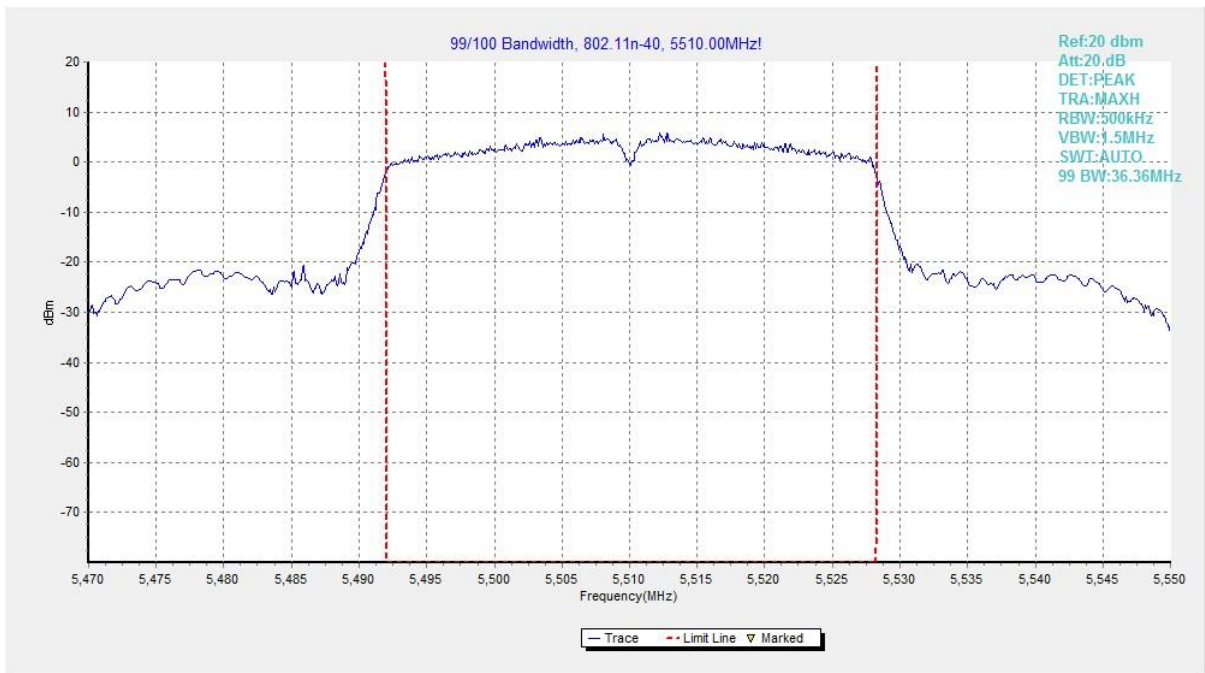


Fig. 43 99% Occupied Bandwidth (802.11n-HT40, 5510MHz)

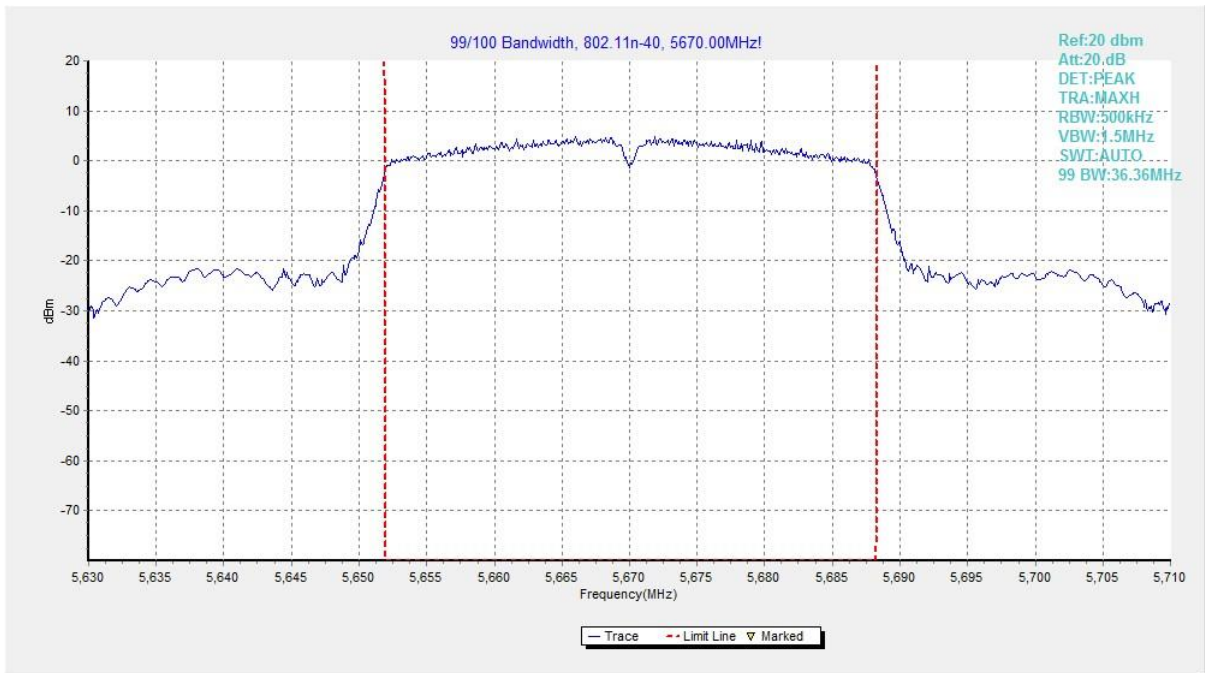


Fig. 44 99% Occupied Bandwidth (802.11n-HT40, 5670MHz)

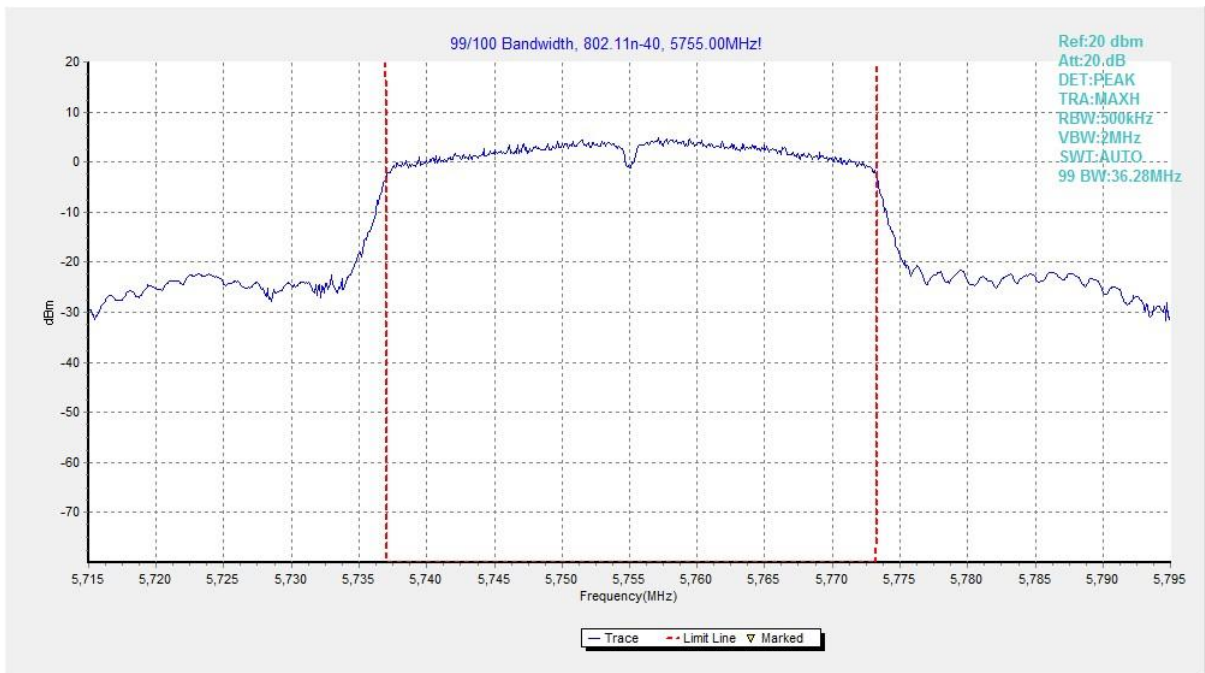


Fig. 45 99% Occupied Bandwidth (802.11n-HT40, 5755MHz)

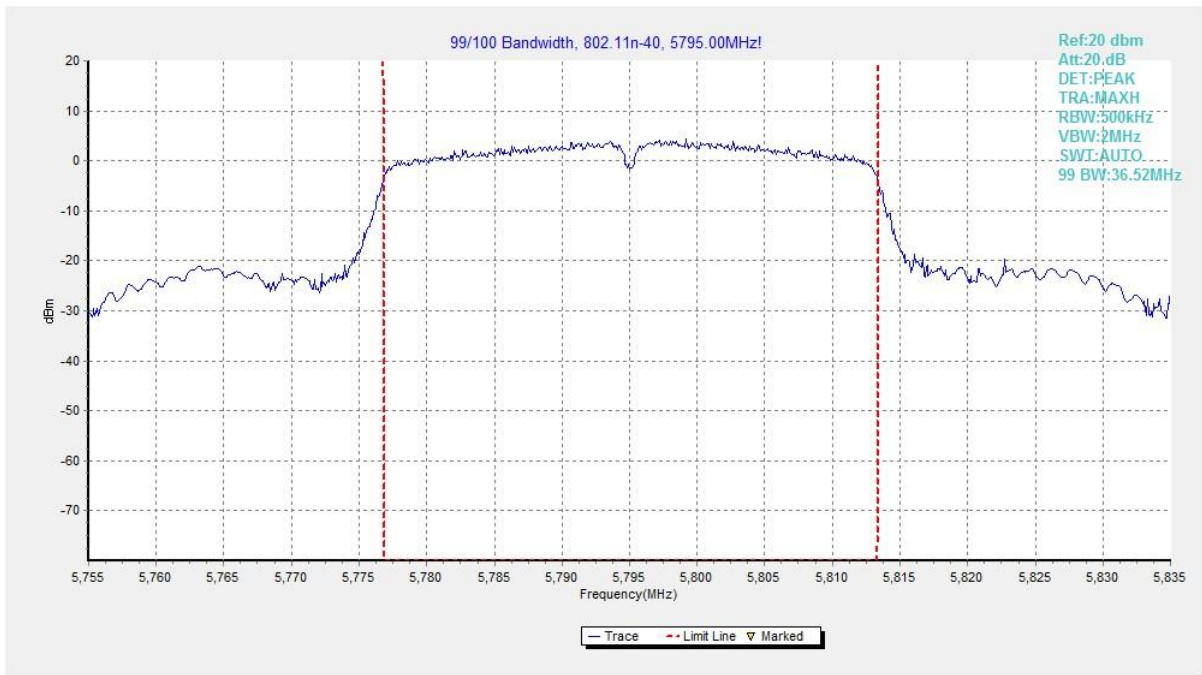


Fig. 46 99% Occupied Bandwidth (802.11n-HT40, 5795MHz)

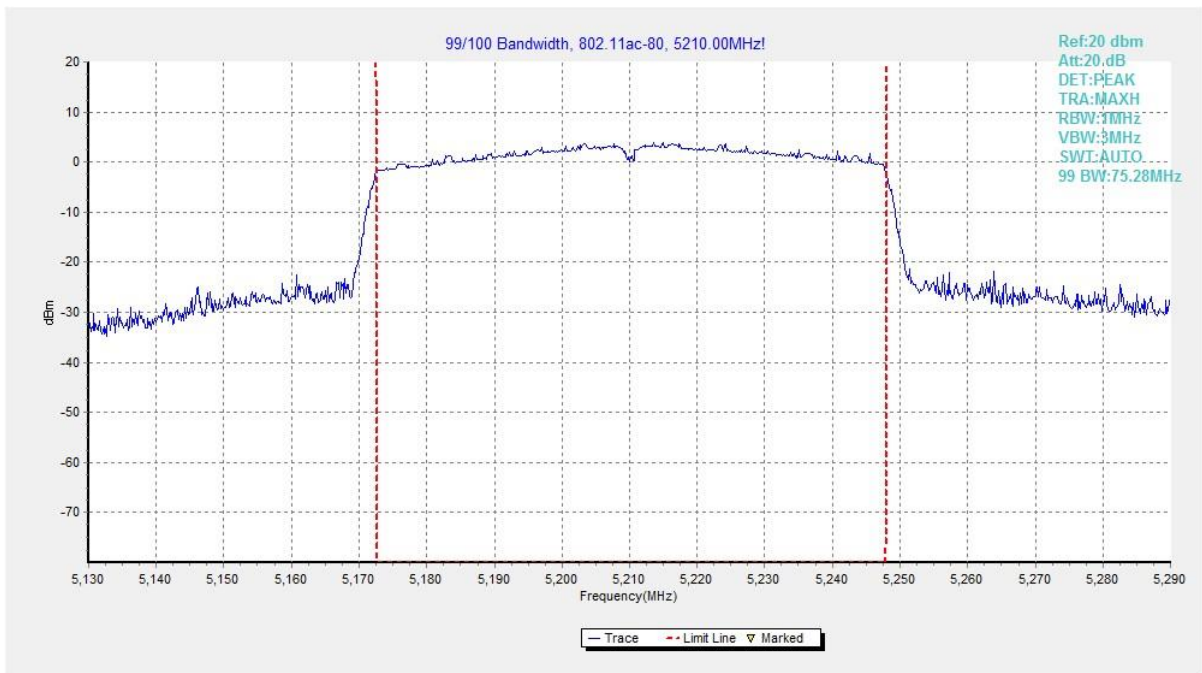


Fig. 47 99% Occupied Bandwidth (802.11ac-VHT80, 5210MHz)

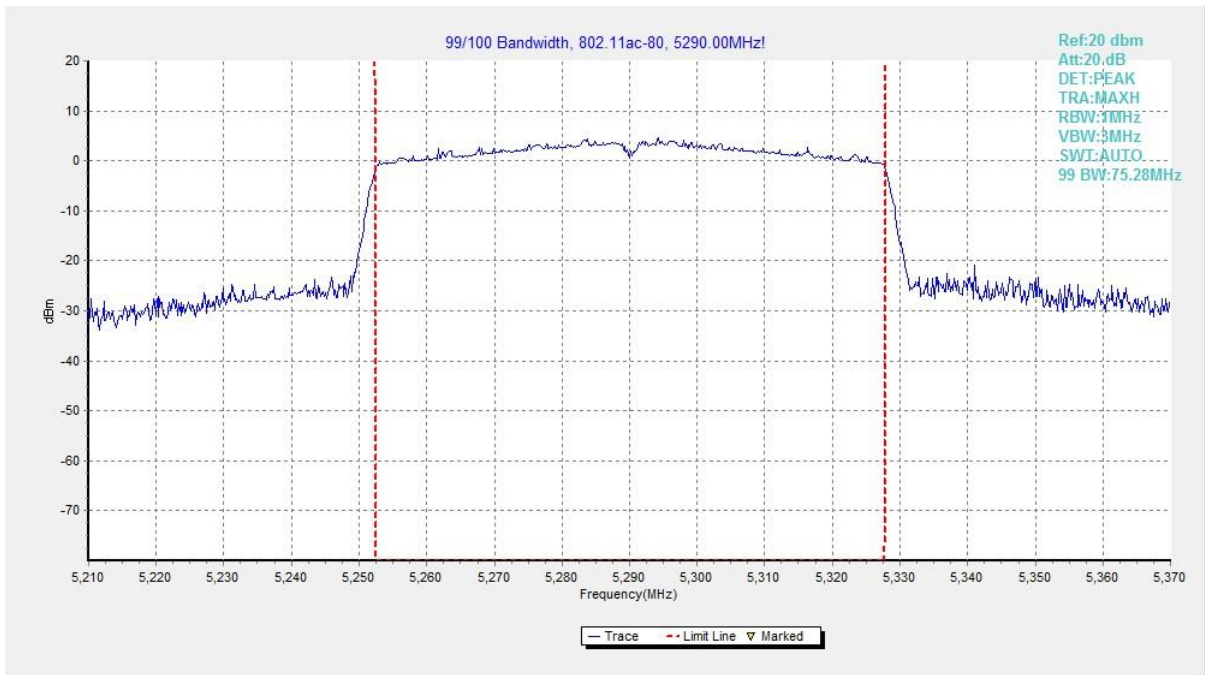


Fig. 48 99% Occupied Bandwidth (802. 11ac-VHT80, 5290MHz)

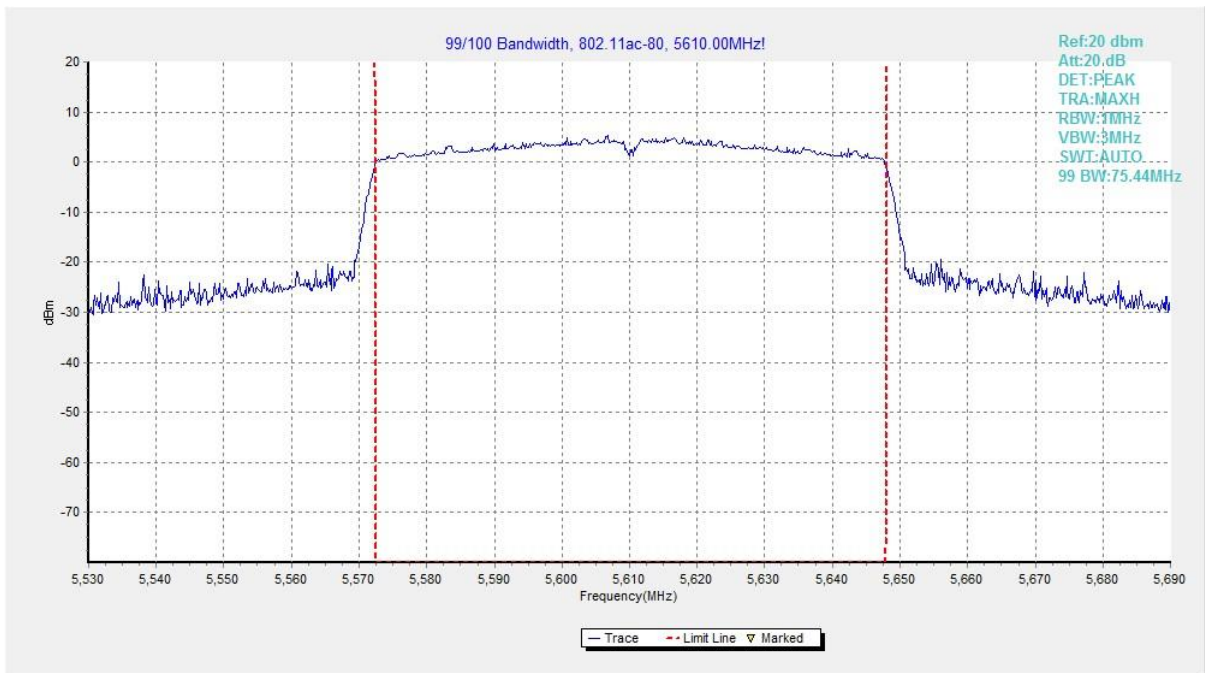


Fig. 49 99% Occupied Bandwidth (802. 11ac-VHT80, 5610MHz)

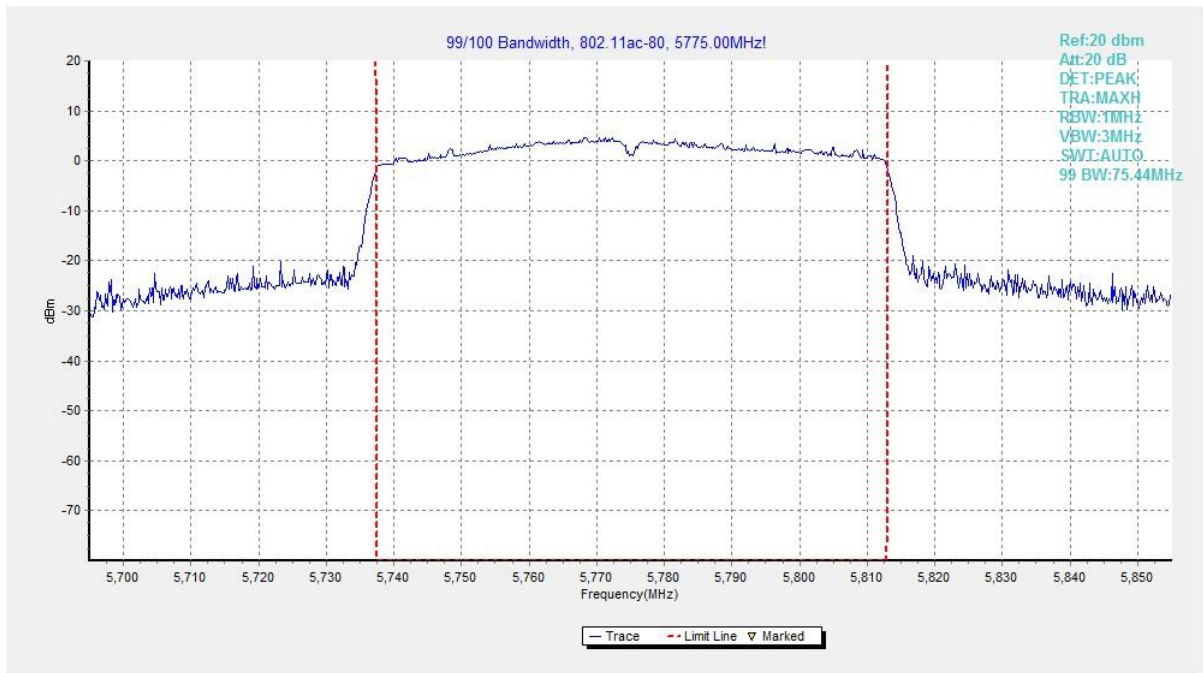


Fig. 50 99% Occupied Bandwidth (802.11ac-VHT80, 5775MHz)



No. I22N01500-WLAN 5GHz

A.7. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500mW).

***** END OF REPORT *****