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# FCC Test Report

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Report No.: AGC04983200901FE06

**FCC ID** : VWZTA10V  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : Android POS  
**BRAND NAME** : SPECTRA Technologies  
**MODEL NAME** : APOLLO  
**APPLICANT** : SPECTRA Technologies Holdings Co. Ltd.  
**DATE OF ISSUE** : Oct. 13, 2020  
**STANDARD(S)** : FCC Part 15.407  
**TEST PROCEDURE(S)** : KDB 789033 D02 v02r01  
**REPORT VERSION** : V1.0

**Attestation of Global Compliance (Shenzhen) Co., Ltd**



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**REPORT REVISE RECORD**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Oct. 13, 2020	Valid	Initial Release

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**TABLE OF CONTENTS**

**1. VERIFICATION OF CONFORMITY ..... 5**

**2. GENERAL INFORMATION..... 6**

    2.1. PRODUCT DESCRIPTION ..... 6

    2.2. TABLE OF CARRIER FREQUENCYS ..... 7

    2.3. RELATED SUBMITTAL(S) / GRANT (S) ..... 8

    2.4. TEST METHODOLOGY ..... 8

    2.5. SPECIAL ACCESSORIES ..... 8

    2.6. EQUIPMENT MODIFICATIONS ..... 8

    2.7. ANTENNA REQUIREMENT ..... 8

**3. MEASUREMENT UNCERTAINTY ..... 9**

**4. DESCRIPTION OF TEST MODES..... 10**

**5. SYSTEM TEST CONFIGURATION ..... 11**

    5.1. CONFIGURATION OF EUT SYSTEM .....11

    5.2. EQUIPMENT USED IN EUT SYSTEM.....11

    5.3. SUMMARY OF TEST RESULTS.....11

**6. TEST FACILITY ..... 12**

**7. MAXIMUM CONDUCTED OUTPUT POWER..... 13**

    7.1. MEASUREMENT PROCEDURE ..... 13

    7.2. TEST SET-UP..... 13

    7.3. LIMITS AND MEASUREMENT RESULT ..... 14

**8. 6DB BANDWIDTH ..... 16**

    8.1. MEASUREMENT PROCEDURE ..... 16

    8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)..... 16

    8.3. LIMITS AND MEASUREMENT RESULTS ..... 17

**9. EMISSION BANDWIDTH..... 22**

    9.1. MEASUREMENT PROCEDURE ..... 22

    9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)..... 22

    9.3. LIMITS AND MEASUREMENT RESULTS ..... 23

**10. MAXIMUM CONDUCTED OUTPUT PEAK POWER SPECTRAL DENSITY ..... 38**

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10.1 MEASUREMENT PROCEDURE .....	38
10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	38
10.3 MEASUREMENT EQUIPMENT USED .....	38
10.4 LIMITS AND MEASUREMENT RESULT .....	38
<b>11. CONDUCTED SPURIOUS EMISSION .....</b>	<b>58</b>
11.1. MEASUREMENT PROCEDURE .....	58
11.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	58
11.3. MEASUREMENT EQUIPMENT USED .....	58
11.4. LIMITS AND MEASUREMENT RESULT .....	58
<b>12. RADIATED EMISSION.....</b>	<b>107</b>
12.1. MEASUREMENT PROCEDURE .....	107
12.2. TEST SETUP.....	108
12.3. LIMITS AND MEASUREMENT RESULT .....	109
12.4. TEST RESULT.....	109
<b>13. BAND EDGE EMISSION .....</b>	<b>130</b>
13.1. MEASUREMENT PROCEDURE .....	130
13.2. TEST SET-UP.....	130
13.3. TEST RESULT.....	131
<b>14. FREQUENCY STABILITY.....</b>	<b>144</b>
14.1. MEASUREMENT PROCEDURE .....	144
14.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	144
14.3. MEASUREMENT RESULTS.....	145
<b>15. FCC LINE CONDUCTED EMISSION TEST .....</b>	<b>151</b>
15.1. LIMITS OF LINE CONDUCTED EMISSION TEST .....	151
15.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST .....	151
15.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST .....	152
15.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST .....	152
15.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST .....	153
<b>APPENDIX A: PHOTOGRAPHS OF TEST SETUP .....</b>	<b>155</b>
<b>APPENDIX B: PHOTOGRAPHS OF EUT .....</b>	<b>157</b>

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### 1. VERIFICATION OF CONFORMITY

<b>Applicant</b>	SPECTRA Technologies Holdings Co. Ltd.
<b>Address</b>	Unit 1301-09, 19-20, Tower II, Grand Century Place, Kowloon, Hong Kong
<b>Manufacturer</b>	SPECTRA Technologies Holdings Co. Ltd.
<b>Address</b>	Unit 1301-09, 19-20, Tower II, Grand Century Place, Kowloon, Hong Kong
<b>Factory</b>	FALCON (Dong Guan) Electronics Co., Ltd
<b>Address</b>	No.19, Bei An First Road, Huang Jiang Town, Dong Guan City, Guang Dong Province, China
<b>Product Designation</b>	Android POS
<b>Brand Name</b>	SPECTRA Technologies
<b>Test Model</b>	APOLLO
<b>Date of test</b>	Sep. 07, 2020~Oct. 13, 2020
<b>Deviation</b>	No any deviation from the test method
<b>Condition of Test Sample</b>	Normal
<b>Test Result</b>	Pass
<b>Report Template</b>	AGCRT-US-BGN/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

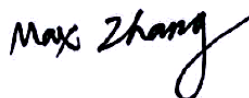
Prepared By



Donjon Huang  
(Project Engineer)

Oct. 13, 2020

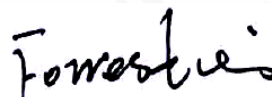
Reviewed By



Max Zhang  
(Reviewer)

Oct. 13, 2020

Approved By



Forrest Lei  
(Authorized Officer)

Oct. 13, 2020

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## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as “Android POS”. It is designed by way of utilizing the OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

<b>Operation Frequency</b>	5150 MHz~5250MHz; 5260 MHz~5320MHz, 5500 MHz~5700MHz, 5725 MHz~5850MHz
<b>Output Power</b>	IEEE 802.11a20:9.57dBm; IEEE 802.11n(20):9.52dBm; IEEE802.11n(40):9.44dBm;
<b>Modulation</b>	BPSK, QPSK, 16QAM, OFDM
<b>Number of channels</b>	39
<b>Hardware Version</b>	1.0
<b>Software Version</b>	1.0024
<b>Antenna Designation</b>	PIFA Antenna
<b>Number of transmit chain</b>	1
<b>Antenna Gain</b>	0.8dBi
<b>Power Supply</b>	DC 5V by adapter or DC 7.2V by battery

**Note:**

1. The EUT is designed as client without radar detection.
2. The device do not support TPC.

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## 2.2. TABLE OF CARRIER FREQUENCIES

Frequency Band	Channel Number	Frequency	Frequency Band	Channel Number	Frequency
5150 MHz~ 5250MHz	36	5180 MHz	5500 MHz~ 5700MHz	112	5560 MHz
	38	5190 MHz		116	5580 MHz
	40	5200 MHz		118	5590 MHz
	42	5210 MHz		120	5600 MHz
	44	5220 MHz		122	5610 MHz
	46	5230 MHz		124	5620 MHz
	48	5240 MHz		126	5630 MHz
5260 MHz~ 5320MHz	52	5260 MHz		128	5640 MHz
	54	5270 MHz		132	5660 MHz
	56	5280 MHz		134	5670 MHz
	58	5290 MHz		136	5680 MHz
	60	5300 MHz		140	5700 MHz
	62	5310 MHz		149	5745 MHz
	64	5320 MHz		151	5755 MHz
5500 MHz~ 5700MHz	100	5500 MHz	5725 MHz~ 5850MHz	153	5765 MHz
	102	5510 MHz		155	5775 MHz
	104	5520 MHz		157	5785 MHz
	106	5530 MHz		159	5795 MHz
	108	5540 MHz		165	5825MHz
	110	5550 MHz			

Note: For 20MHz bandwidth system use Channel 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,149,153,157,161,165; For 40MHz bandwidth system use Channel 38,46,54,62,102,110,118,126,134,151,159; For 80MHz bandwidth system use Channel 42,58,106,122,155

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### 2.3. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: VWZTA10V** filing to comply with the FCC Part 15 requirements.

### 2.4. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013).

Radiated testing was performed at an antenna to EUT distance 3 meters.

Others testing (listed at item 5.3) was performed according to the procedures in FCC Part 15.407 rules KDB 789033 D02

### 2.5. SPECIAL ACCESSORIES

Refer to section 5.2.

### 2.6. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

### 2.7. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

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### 3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI.

- Uncertainty of Conducted Emission,  $U_c = \pm 3.2$  dB
- Uncertainty of Radiated Emission below 1GHz,  $U_c = \pm 3.9$  dB
- Uncertainty of Radiated Emission above 1GHz,  $U_c = \pm 4.8$  dB

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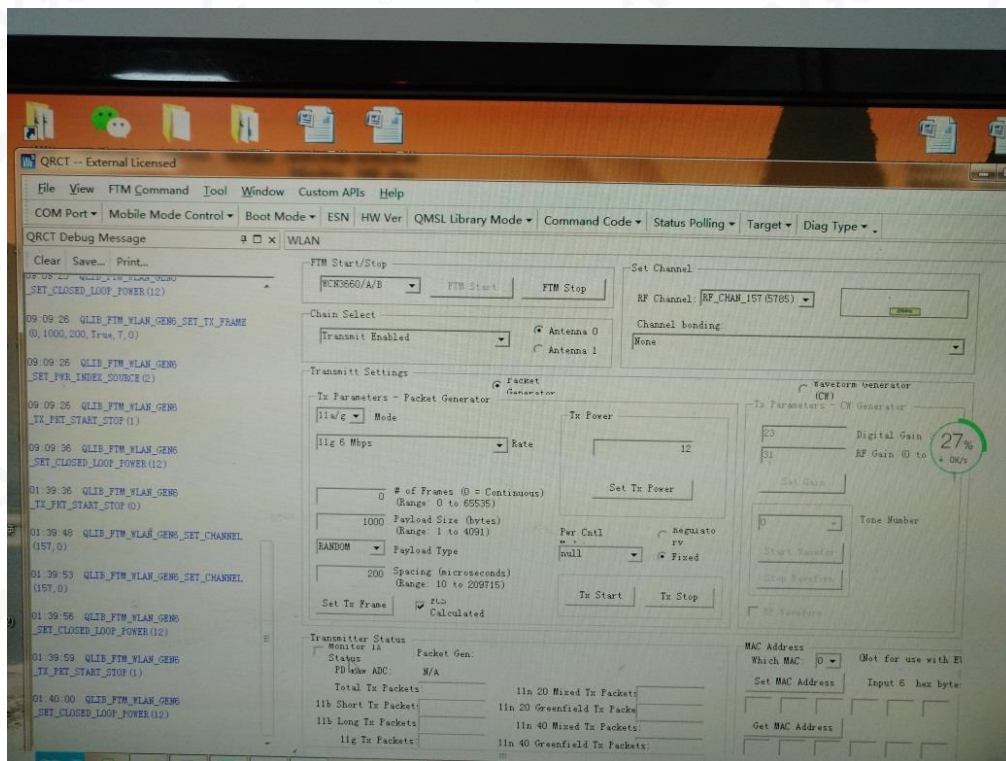


#### 4. DESCRIPTION OF TEST MODES

Mode	Available channel	Tested channel	Modulation	Date rate(Mbps)
802.11a/n20	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165	36, 40, 48, 52, 60, 64, 100, 120, 140, 149, 157, 165	OFDM	6Mbps/MCS0
802.11n40	38, 46, 54, 62, 102, 110, 118, 126, 134, 151, 159;	38, 46, 54, 62, 102, 118, 134, 151, 159	OFDM	MCS0

**Note:**

1. The EUT has been set to operate continuously on tested channel individually, and the EUT is operating at its maximum duty cycle>or equal 98%
2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
3. The test software is the QDART\_WIN\_4\_8\_Installer\_00057\_1 which can set the EUT into the individual test modes.



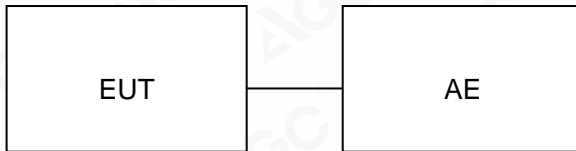
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## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF EUT SYSTEM

Configure 1:



### 5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Android POS	APOLLO	VWZTA10V	EUT
2	Adapter	UWP-10W-0520S	N/A	AE
3	Battery	LARGE18650	N/A	AE
4	USB Cable	N/A	N/A	AE

### 5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.407	6dB Bandwidth	Compliant
§15.407	Emission Bandwidth	Compliant
§15.203	ANTENNA REQUIREMENT	Compliant
§15.407	Maximum conducted output power	Compliant
§15.407	Conducted Spurious Emission	Compliant
§15.407	Maximum Conducted Output Power Density	Compliant
§15.209	Radiated Emission	Compliant
§15.407	Band Edges	Compliant
§15.207	Line Conduction Emission	Compliant

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## 6. TEST FACILITY

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
<b>Designation Number</b>	CN1259
<b>FCC Test Firm Registration Number</b>	975832
<b>A2LA Cert. No.</b>	5054.02
<b>Description</b>	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

### TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2021
LISN	R&S	ESH2-Z5	100086	Jul. 03, 2020	Jul. 02, 2021
Test software	R&S	ES-K1 (Ver V1.71)	N/A	N/A	N/A

### TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2021
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 12, 2019	Dec. 11, 2020
Power sensor	Aglient	U2021XA	MY54110007	Jun. 08, 2020	Jun. 07, 2021
5GHz Fliter	Micro-tronics	N/A	N/A	Mar. 23, 2020	Mar. 22, 2022
Attenuator	Weinachel Corp	58-30-33	N/A	Sep. 07, 2020	Sep. 06, 2022
Attenuator	ZHINAN	E-002	N/A	Sep. 03, 2020	Sep. 02, 2022
Horn antenna	SCHWARZBECK	BBHA9170	768	Sep.21, 2019	Sep. 20, 2021
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	May 22, 2020	May 21, 2022
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May. 17, 2019	May. 16, 2021
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 03, 2020	Sep. 02, 2022
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep. 20, 2019	Sep. 19, 2021
Test software	FARA	EZ EMC (Ver.RA-03A)	N/A	N/A	N/A

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## 7. MAXIMUM CONDUCTED OUTPUT POWER

### 7.1. MEASUREMENT PROCEDURE

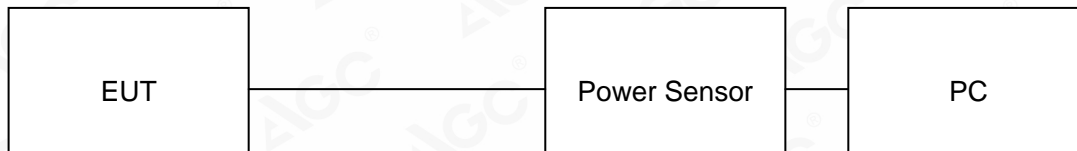
For average power test:

1. Connect EUT RF output port to power sensor through an RF attenuator.
2. Connect the power sensor to the PC.
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Record the maximum power from the software.

**Note :** The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

### 7.2. TEST SET-UP

#### AVERAGE POWER SETUP



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### 7.3. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Frequency (MHz)	Average Power (dBm)	Applicable Limits (dBm)	Pass or Fail
5180	8.95	24	Pass
5200	8.12	24	Pass
5240	7.73	24	Pass
5260	7.37	24	Pass
5300	7.64	24	Pass
5320	7.57	24	Pass
5500	8.82	24	Pass
5600	9.25	24	Pass
5700	<b>9.57</b>	24	Pass
5745	8.51	30	Pass
5785	9.21	30	Pass
5825	8.80	30	Pass

LIMITS AND MEASUREMENT RESULT FOR 802.11N20 MODULATION			
Frequency (MHz)	Average Power (dBm)	Applicable Limits (dBm)	Pass or Fail
5180	<b>9.52</b>	24	Pass
5200	8.12	24	Pass
5240	8.61	24	Pass
5260	8.09	24	Pass
5300	7.65	24	Pass
5320	8.15	24	Pass
5500	8.26	24	Pass
5600	9.49	24	Pass
5700	9.26	24	Pass
5745	8.71	30	Pass
5785	8.89	30	Pass
5825	9.06	30	Pass

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**LIMITS AND MEASUREMENT RESULT FOR 802.11N40 MODULATION**

Frequency (MHz)	Average Power (dBm)	Applicable Limits (dBm)	Pass or Fail
5190	8.12	24	Pass
5230	7.96	24	Pass
5270	7.86	24	Pass
5310	7.40	24	Pass
5510	8.42	24	Pass
5590	9.14	24	Pass
5670	<b>9.44</b>	24	Pass
5755	8.47	24	Pass
5795	8.32	24	Pass

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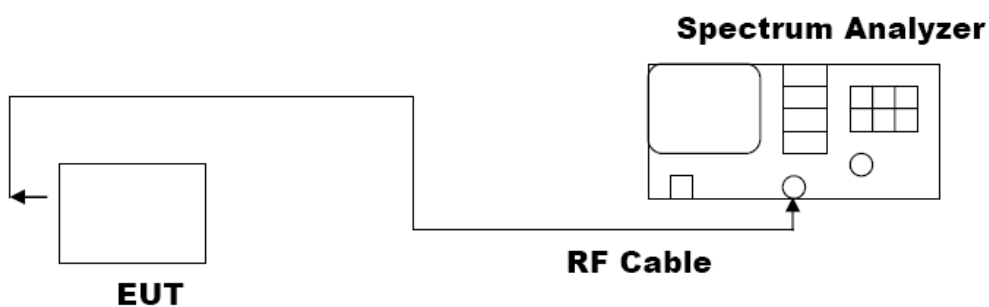
## 8. 6dB BANDWIDTH

### 8.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 100kHz.
4. Set the VBW  $\geq 3 \times$  RBW. Detector = Peak. Trace mode = max hold.
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.

**Note:** The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

### 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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### 8.3. LIMITS AND MEASUREMENT RESULTS

LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
	Frequency (MHz)	-6dB Bandwidth	
>500KHZ	5745MHz	16.42	PASS
	5785MHz	16.41	PASS
	5825MHz	16.39	PASS

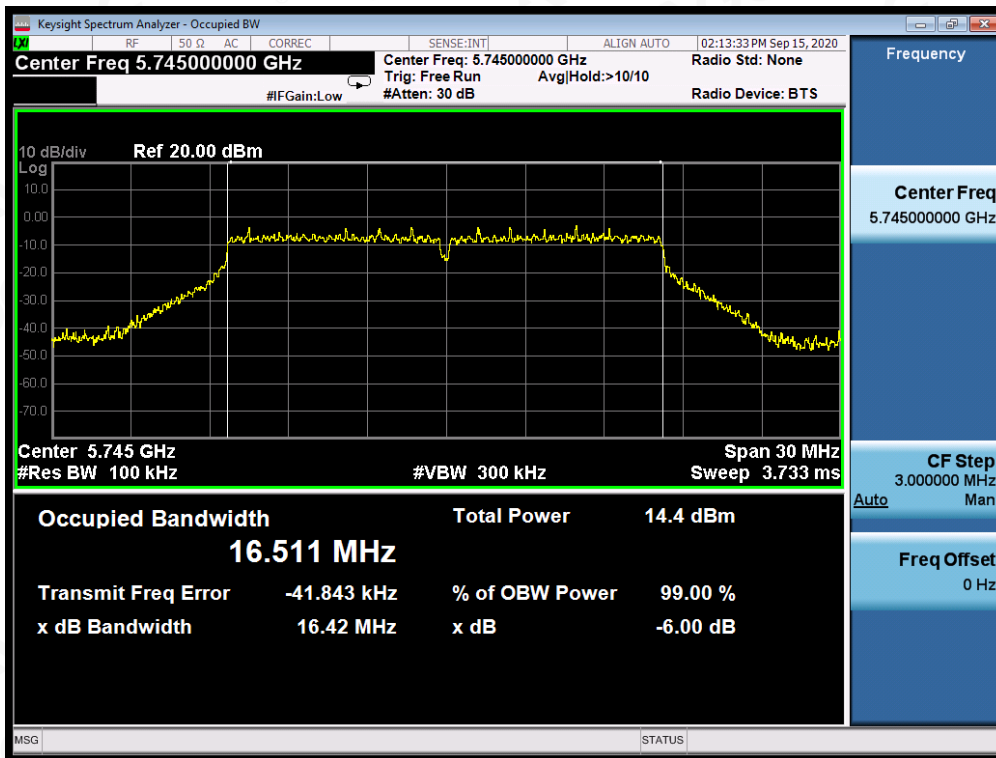
LIMITS AND MEASUREMENT RESULT FOR 802.11N20/40 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
	Frequency (MHz)	-6dB Bandwidth	
>500KHZ	5745MHz	17.58	PASS
	5785MHz	17.60	PASS
	5825MHz	17.61	PASS
	5755MHz	35.46	PASS
	5795MHz	35.13	PASS

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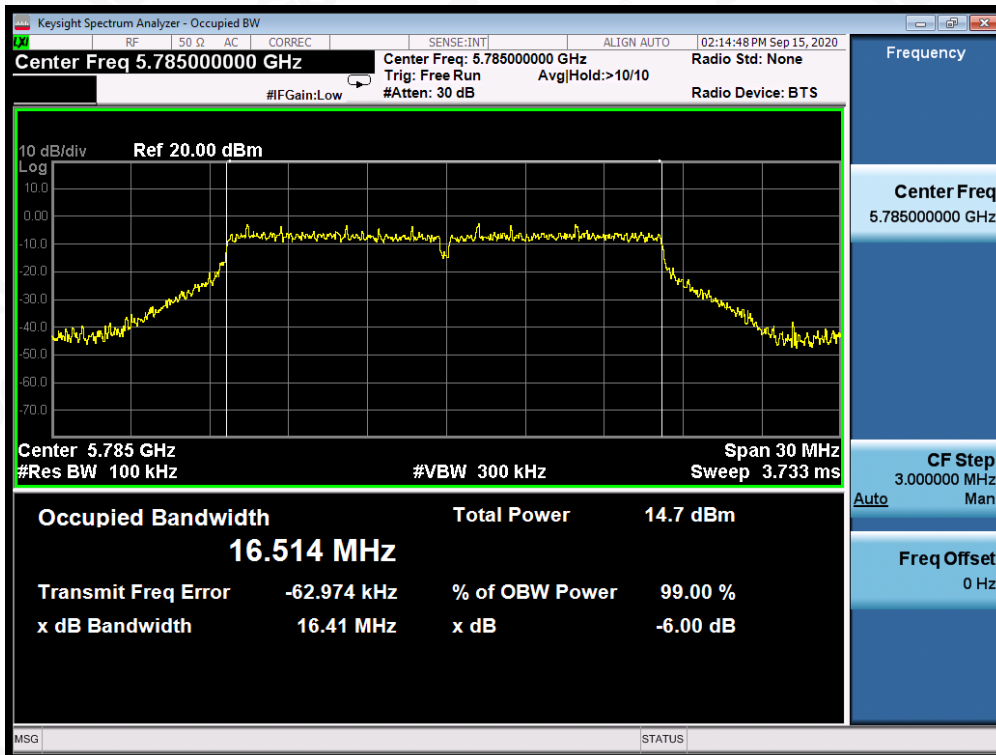


### 802.11a20 TEST RESULT

#### TEST PLOT OF BANDWIDTH FOR 5745MHZ



#### TEST PLOT OF BANDWIDTH FOR 5785MHZ

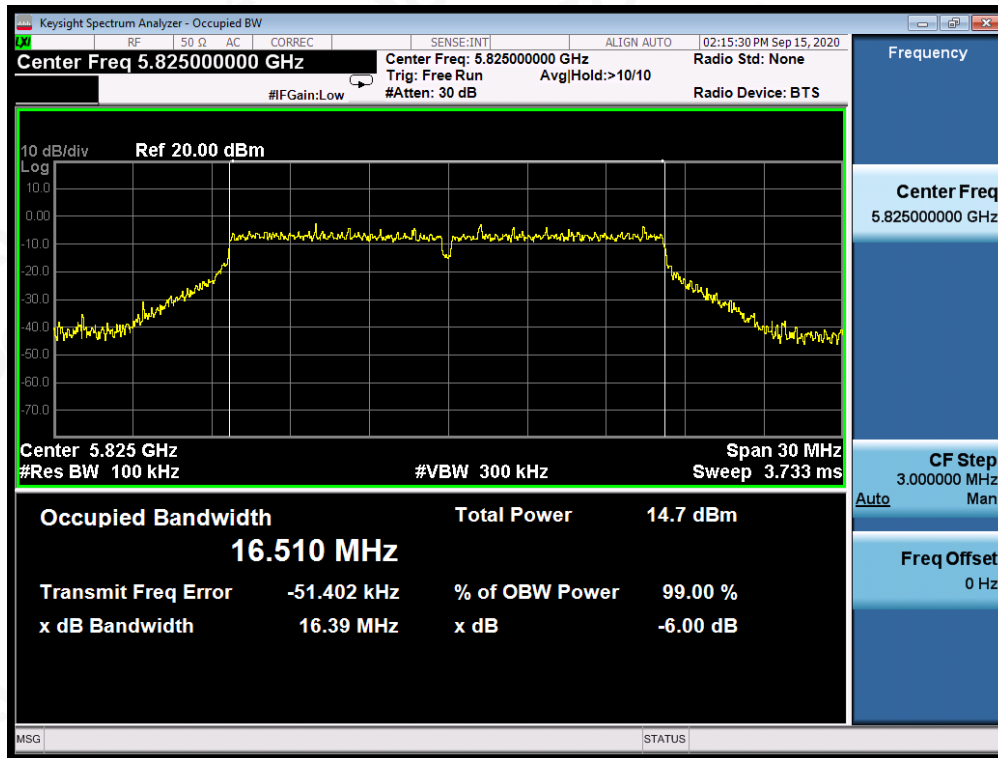


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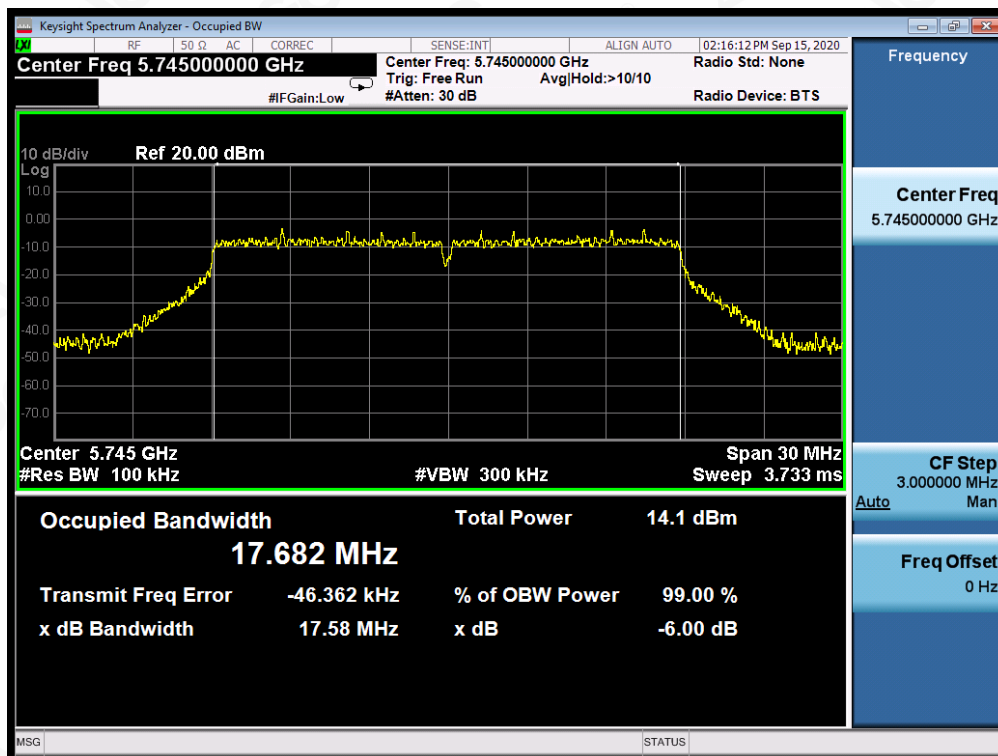


TEST PLOT OF BANDWIDTH FOR 5825MHZ



802.11n20 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5745MHZ

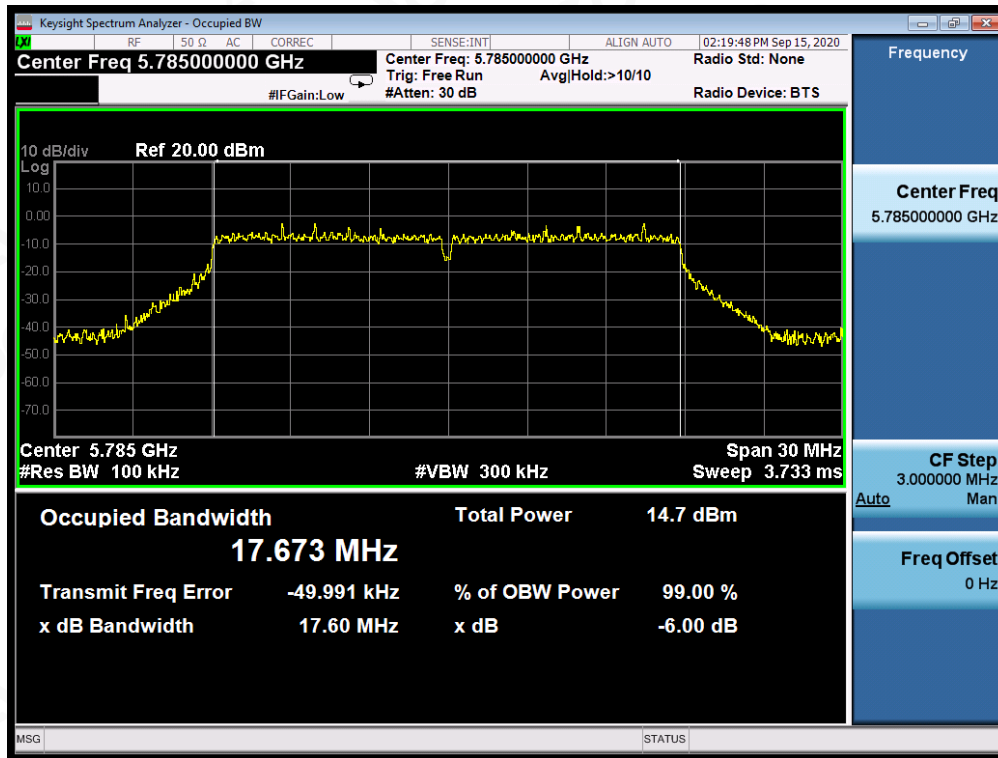


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### TEST PLOT OF BANDWIDTH FOR 5785MHZ



### TEST PLOT OF BANDWIDTH FOR 5825MHZ



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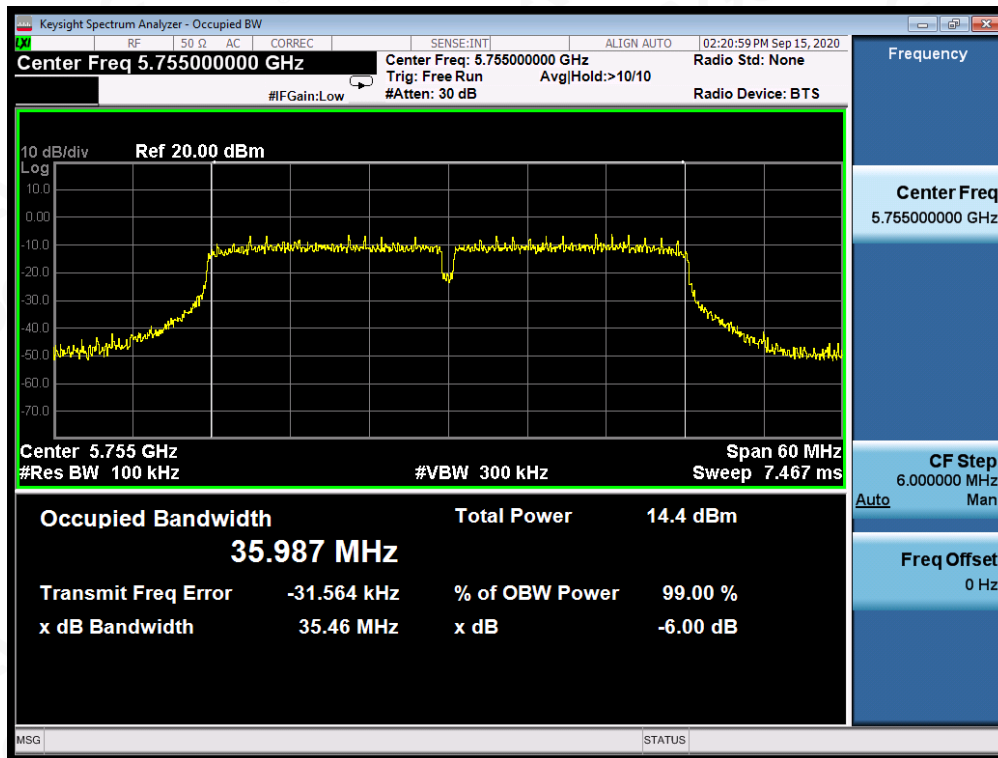
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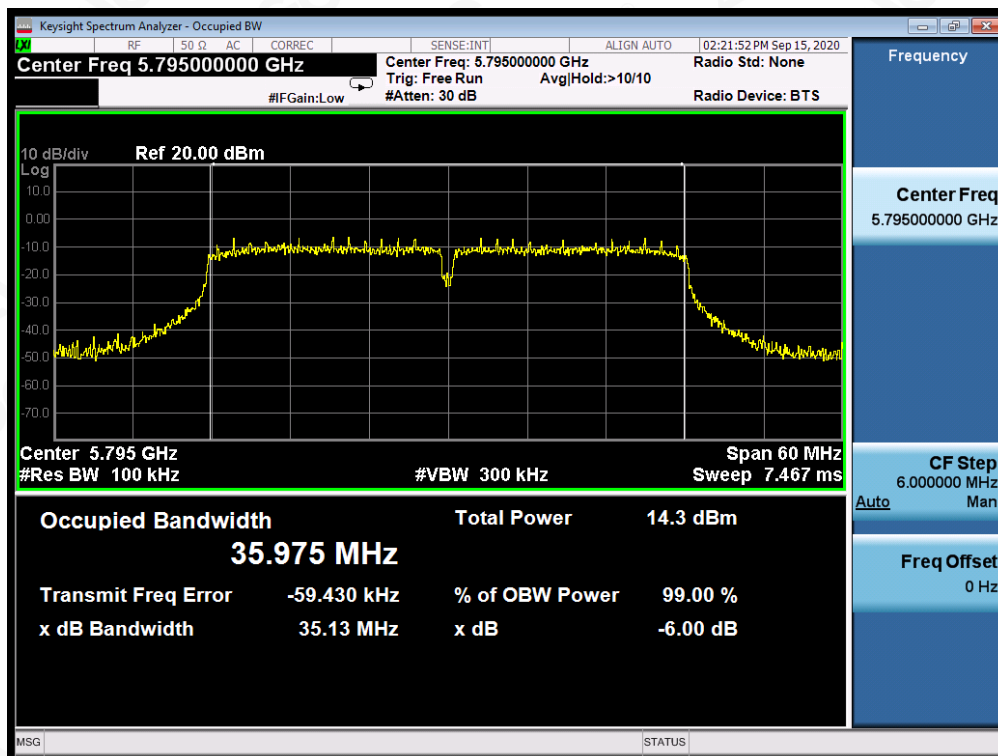


### 802.11n40 TEST RESULT

#### TEST PLOT OF BANDWIDTH FOR 5755MHz



#### TEST PLOT OF BANDWIDTH FOR 5795MHz



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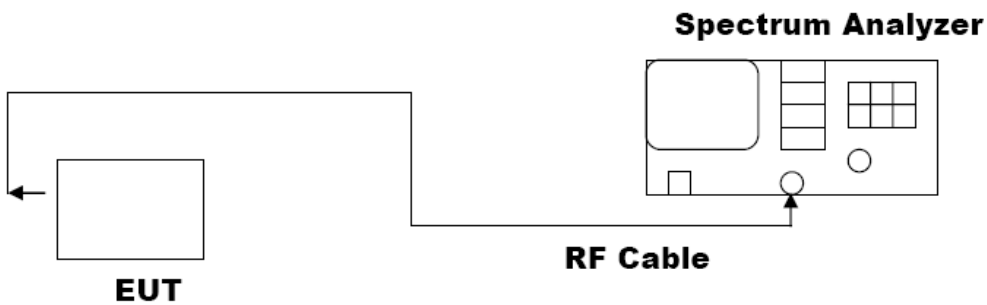
## 9. EMISSION BANDWIDTH

### 9.1. MEASUREMENT PROCEDURE

- a) Set RBW = approximately 1% of the emission bandwidth.
  - b) Set the VBW > RBW.
  - c) Detector = Peak.
  - d) Trace mode = max hold.
  - e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
- Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

**Note:** The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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### 9.3. LIMITS AND MEASUREMENT RESULTS

LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION				
Applicable Limits	Applicable Limits			
	Test Data (MHz)			Criteria
	Frequency (MHz)	-26dB Bandwidth	99.00% Occupied Bandwidth	
Within the Band	5180MHz	22.08	16.720	PASS
	5200MHz	21.36	16.707	PASS
	5240MHz	21.37	16.708	PASS
	5260MHz	21.56	16.707	PASS
	5300MHz	21.46	16.683	PASS
	5320MHz	21.60	16.654	PASS
	5500MHz	21.17	16.664	PASS
	5600MHz	21.52	16.691	PASS
	5700MHz	21.10	16.643	PASS

LIMITS AND MEASUREMENT RESULT FOR 802.11N20 MODULATION				
Applicable Limits	Applicable Limits			
	Test Data (MHz)			Criteria
	Frequency (MHz)	-26dB Bandwidth	99.00% Occupied Bandwidth	
Within the Band	5180MHz	22.30	17.805	PASS
	5200MHz	21.82	17.820	PASS
	5240MHz	21.87	17.819	PASS
	5260MHz	21.75	17.825	PASS
	5300MHz	21.80	17.785	PASS
	5320MHz	21.56	17.828	PASS
	5500MHz	21.54	17.803	PASS
	5600MHz	21.39	17.800	PASS
	5700MHz	22.32	17.810	PASS

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**LIMITS AND MEASUREMENT RESULT FOR 802.11N40 MODULATION**

Applicable Limits	Applicable Limits			Criteria
	Test Data (MHz)			
	Frequency (MHz)	-26dB Bandwidth	99.00% Occupied Bandwidth	
Within the Band	5190MHz	42.69	36.137	PASS
	5230MHz	42.58	36.142	PASS
	5270MHz	42.00	36.167	PASS
	5310MHz	43.79	36.123	PASS
	5510MHz	41.67	36.095	PASS
	5590MHz	41.85	36.077	PASS
	5670MHz	42.90	36.159	PASS

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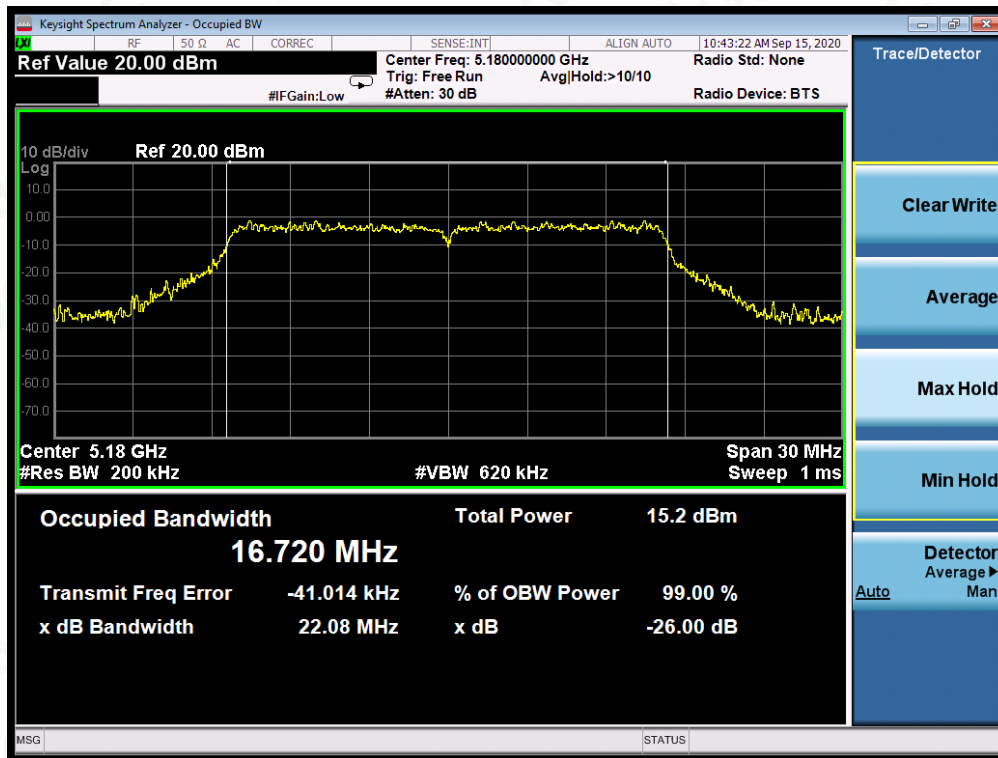
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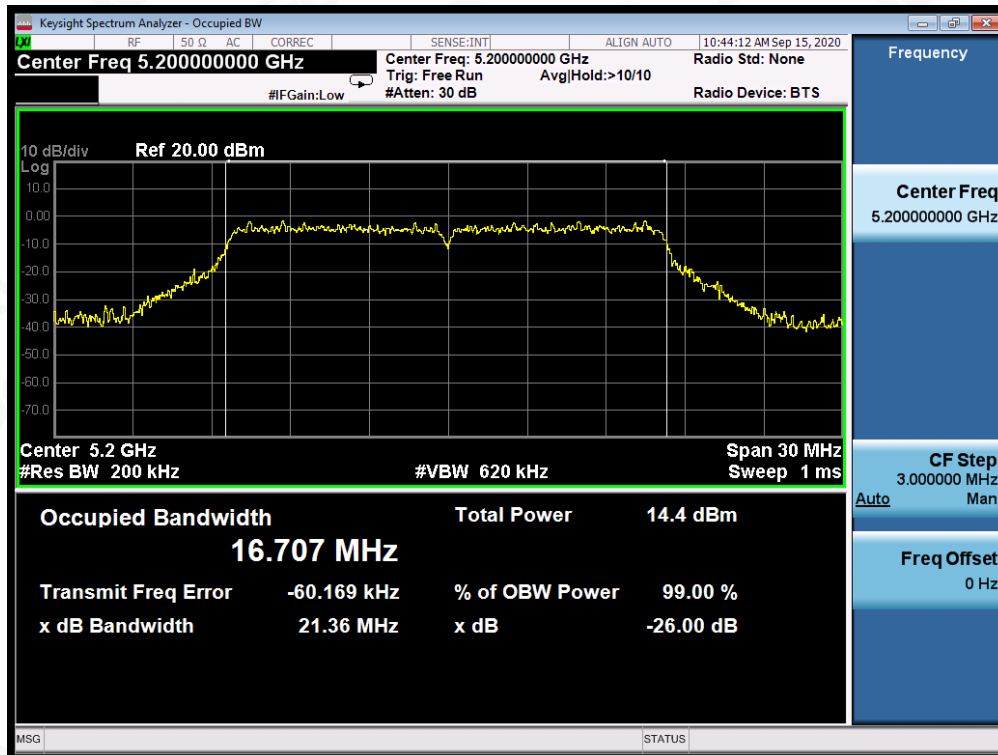


### 802.11a20 TEST RESULT

#### TEST PLOT OF BANDWIDTH FOR 5180MHz



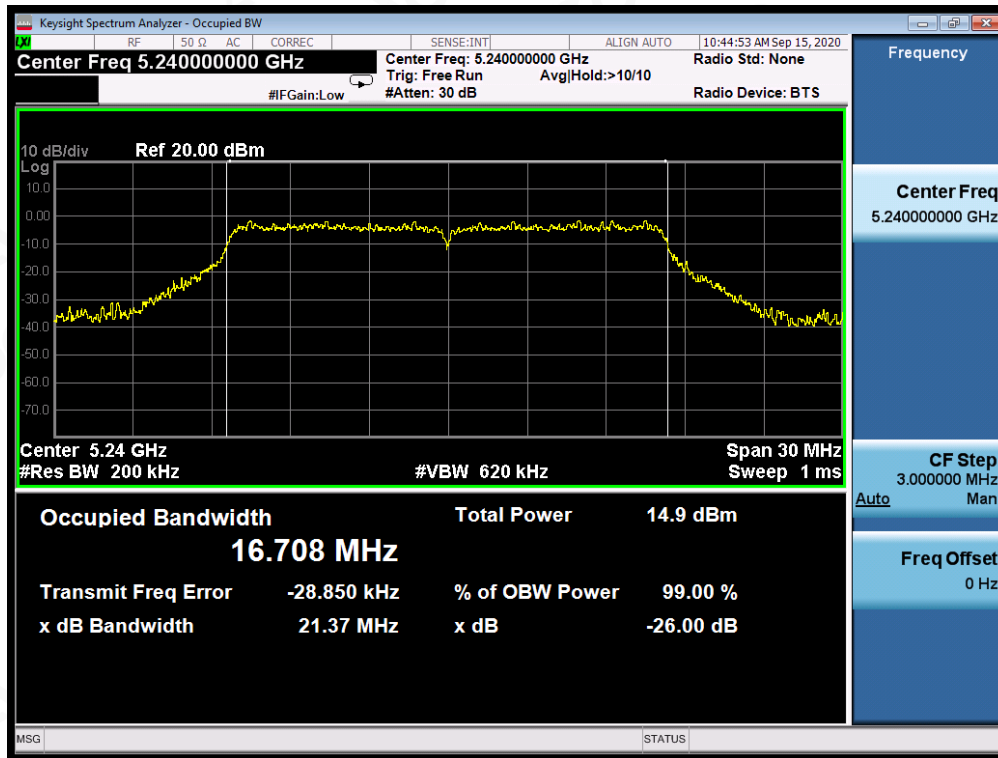
#### TEST PLOT OF BANDWIDTH FOR 5200MHz



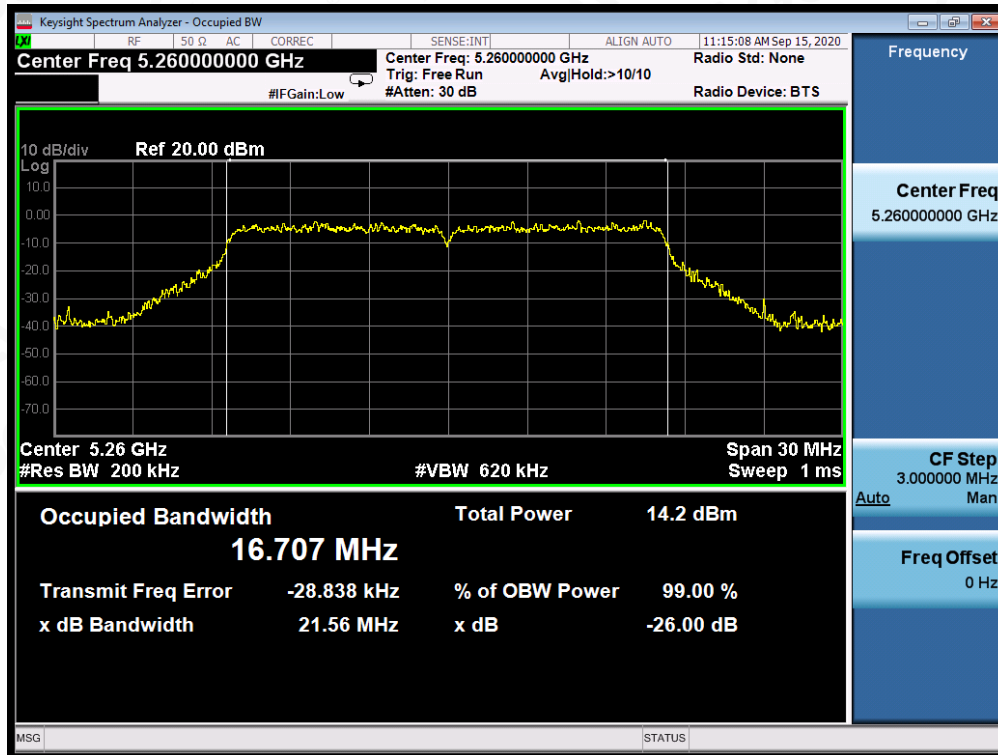
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### TEST PLOT OF BANDWIDTH FOR 5240MHz



### TEST PLOT OF BANDWIDTH FOR 5260MHz

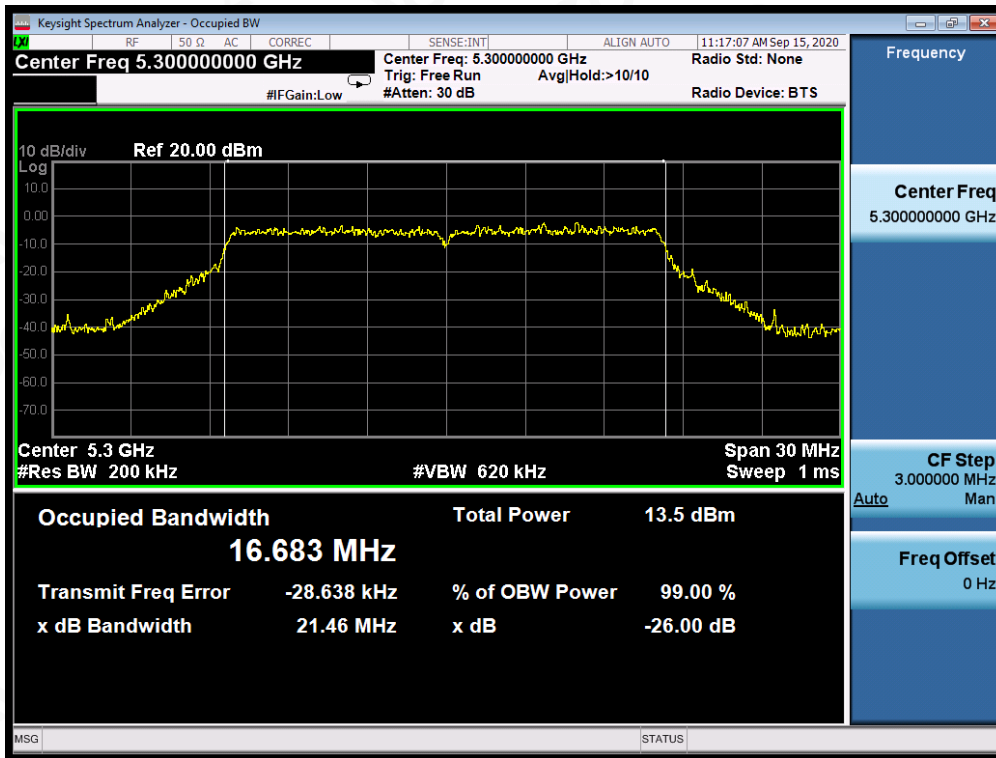


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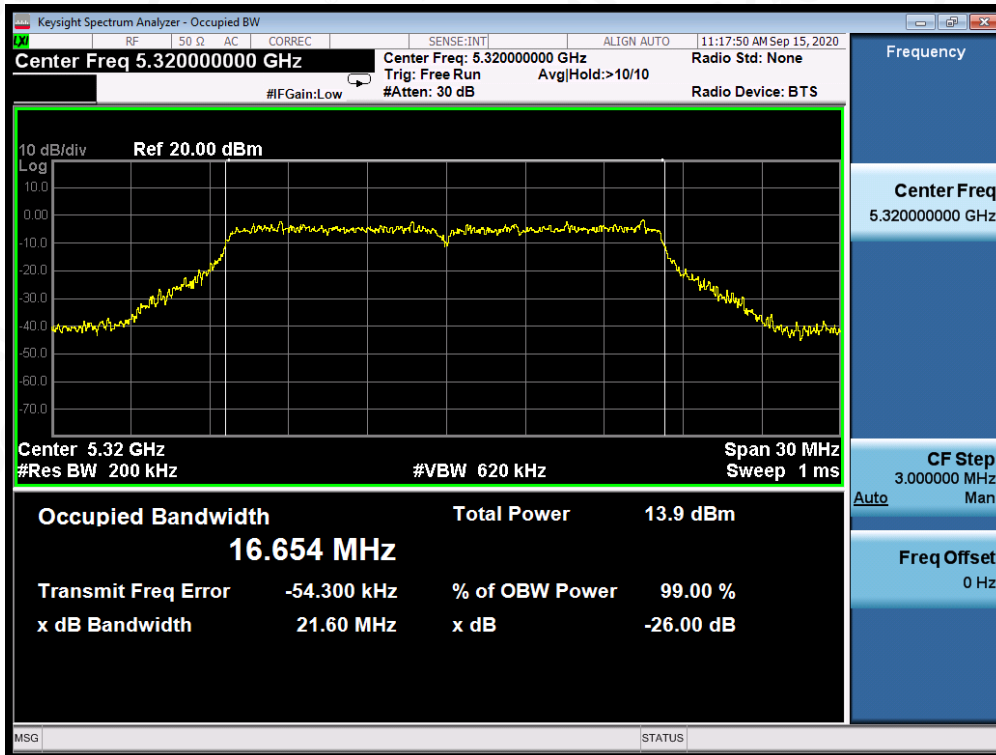
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TEST PLOT OF BANDWIDTH FOR 5300MHZ



TEST PLOT OF BANDWIDTH FOR 5320MHZ

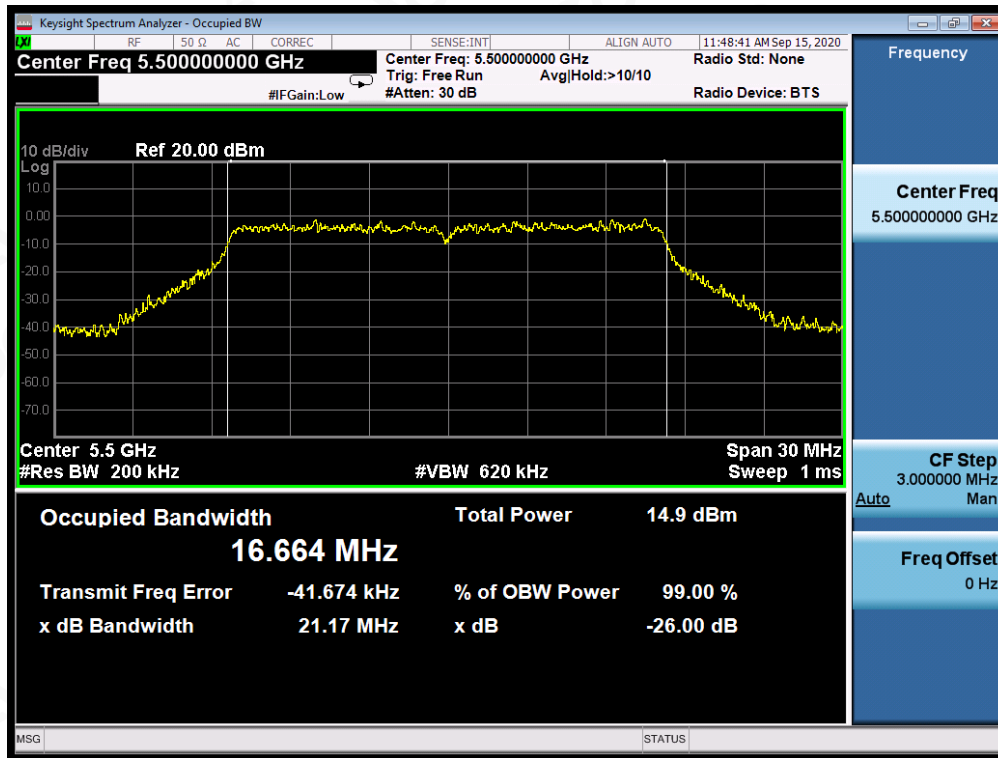


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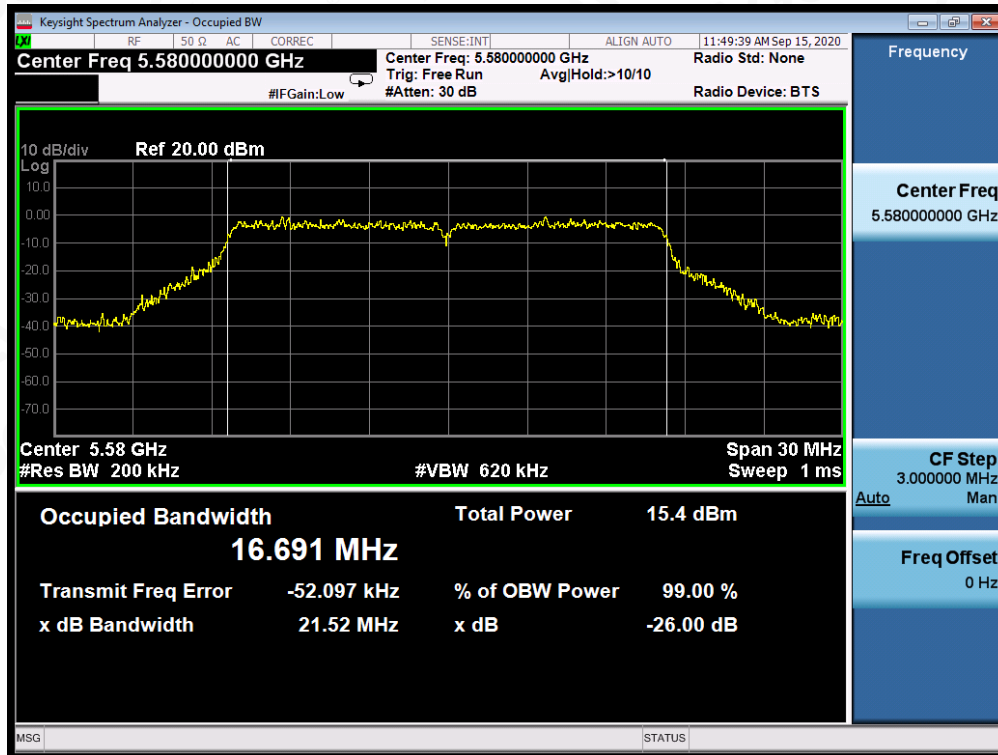
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TEST PLOT OF BANDWIDTH FOR 5500MHZ



TEST PLOT OF BANDWIDTH FOR 5600MHZ



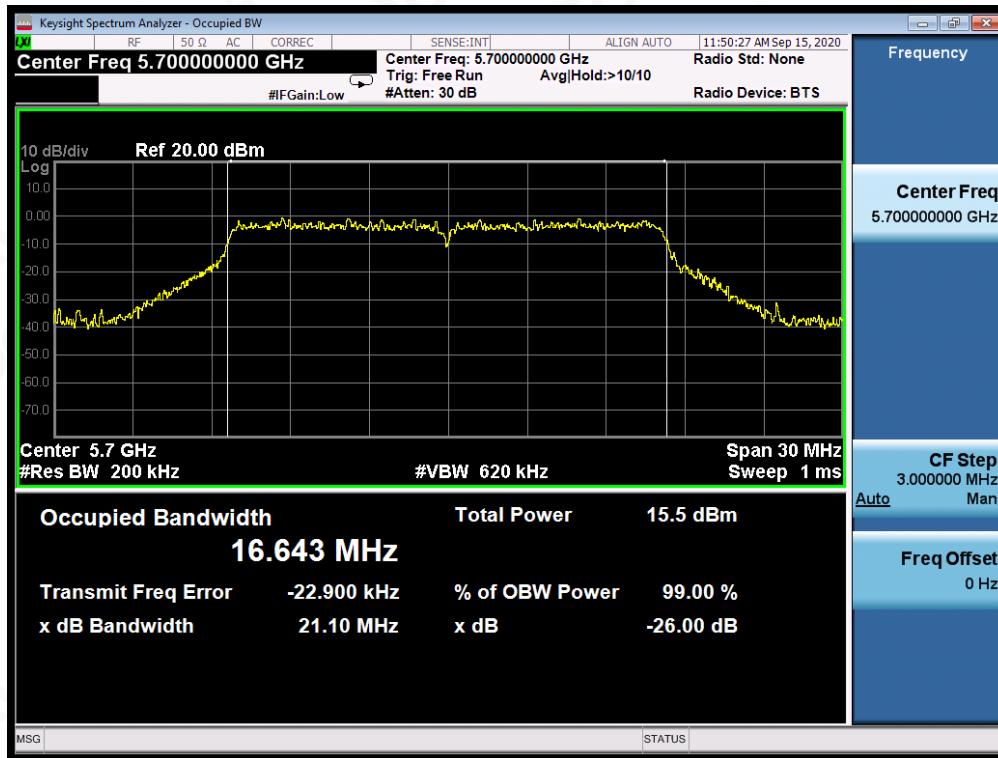
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TEST PLOT OF BANDWIDTH FOR 5700MHZ



802.11n20 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5180MHZ



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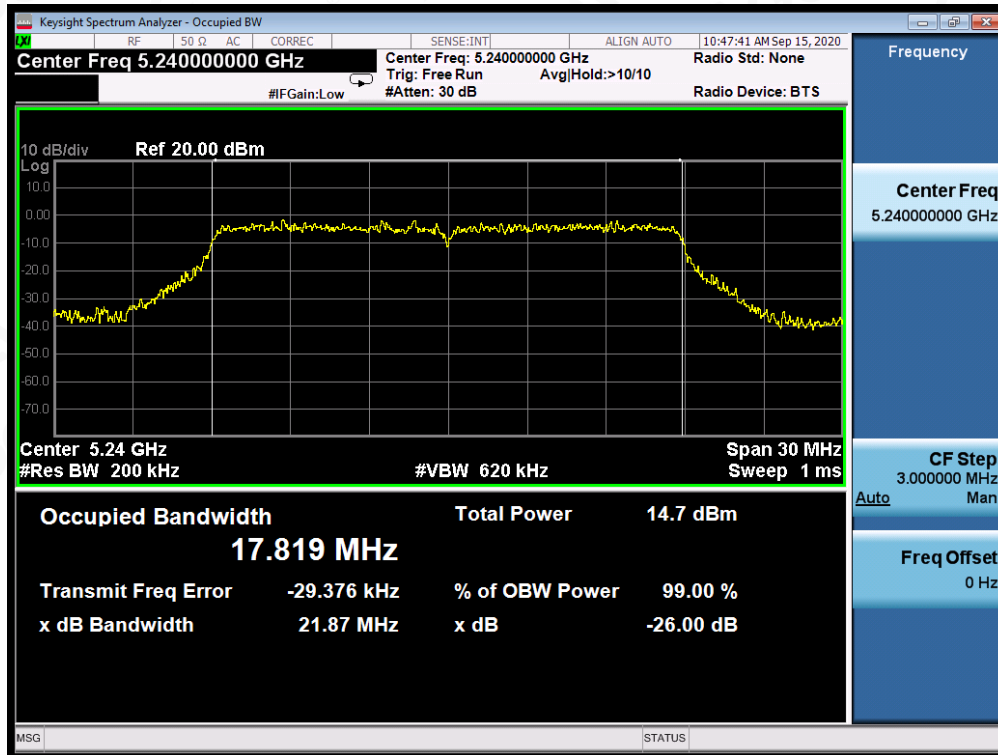
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### TEST PLOT OF BANDWIDTH FOR 5200MHZ



### TEST PLOT OF BANDWIDTH FOR 5240MHZ

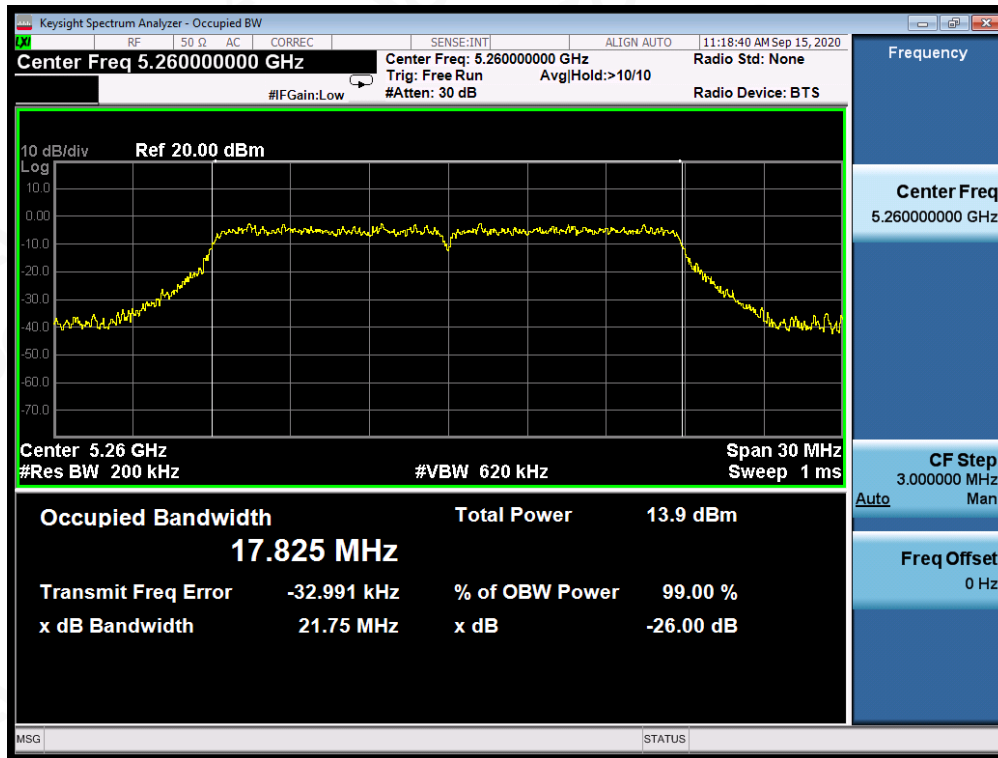


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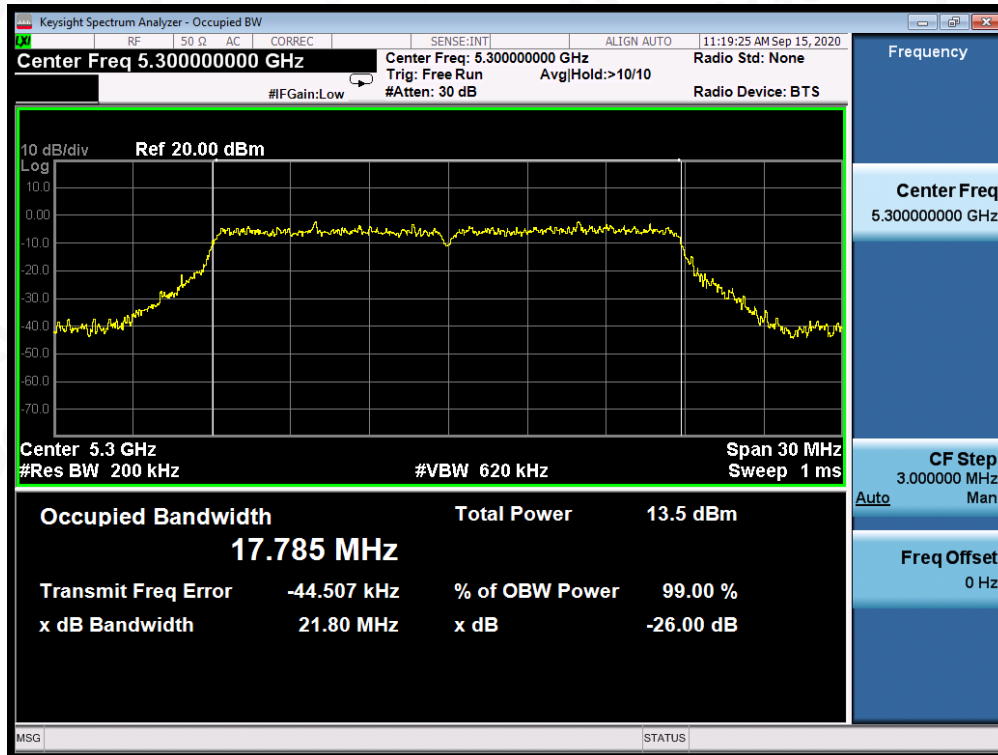
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### TEST PLOT OF BANDWIDTH FOR 5260MHZ



### TEST PLOT OF BANDWIDTH FOR 5300MHZ

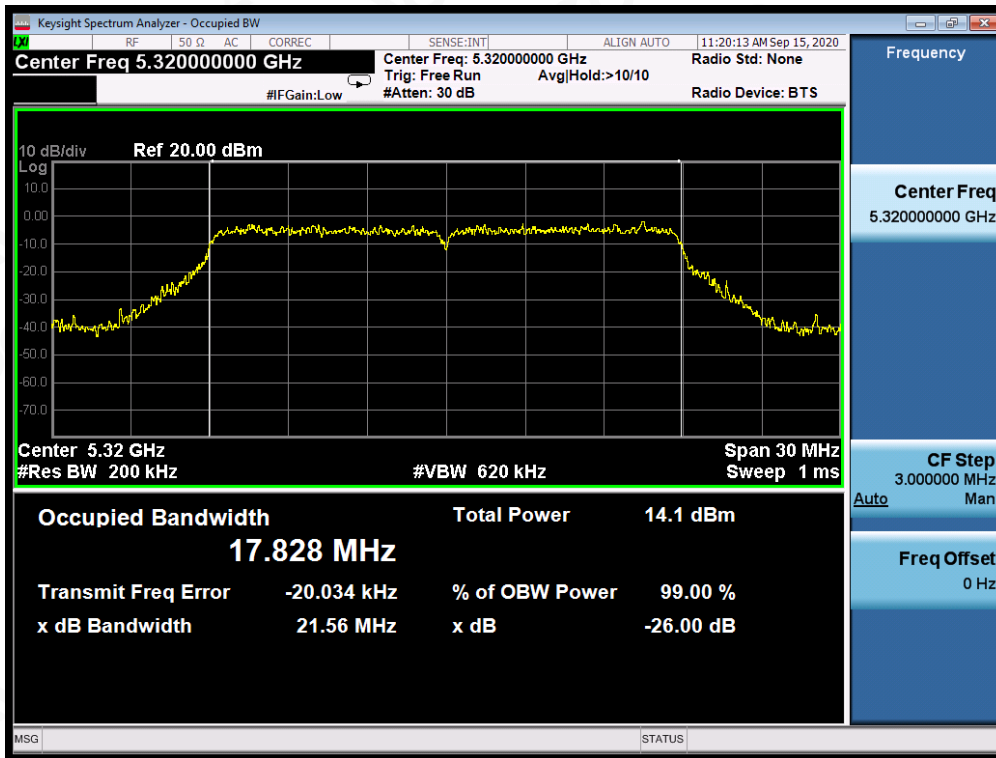


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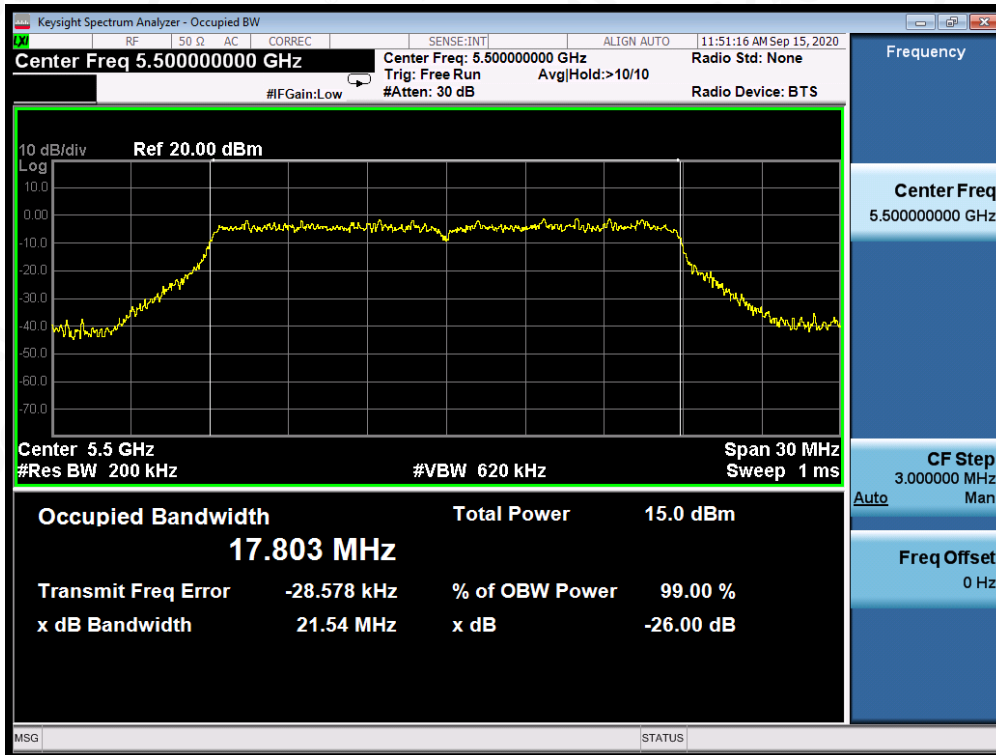
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TEST PLOT OF BANDWIDTH FOR 5320MHZ



TEST PLOT OF BANDWIDTH FOR 5500MHZ



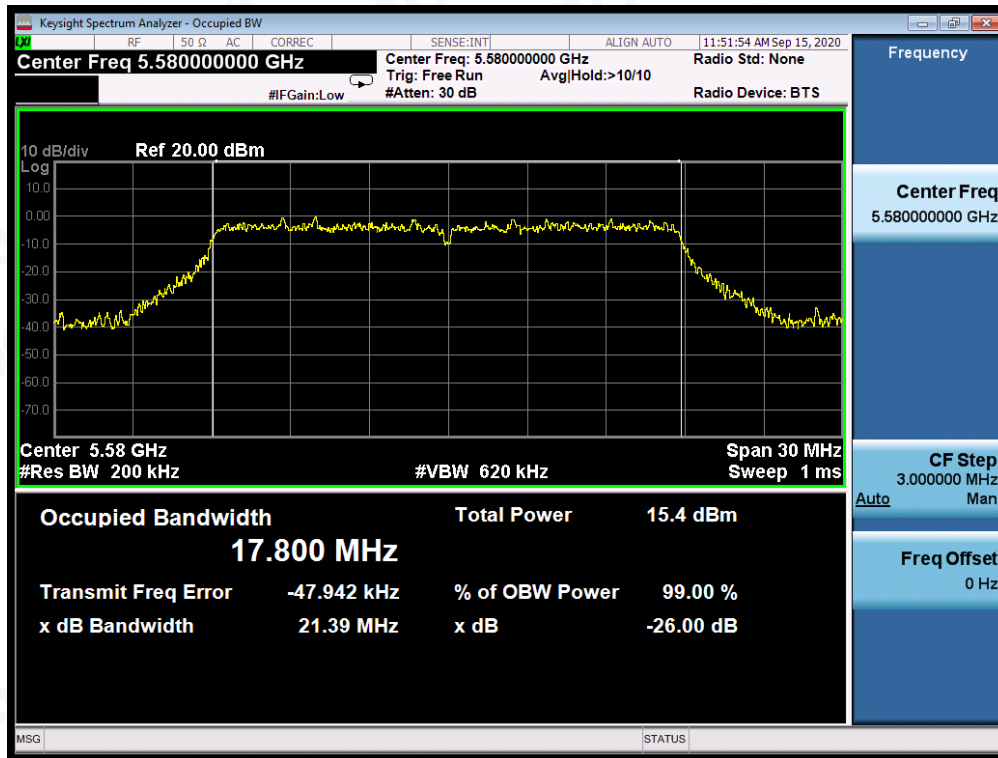
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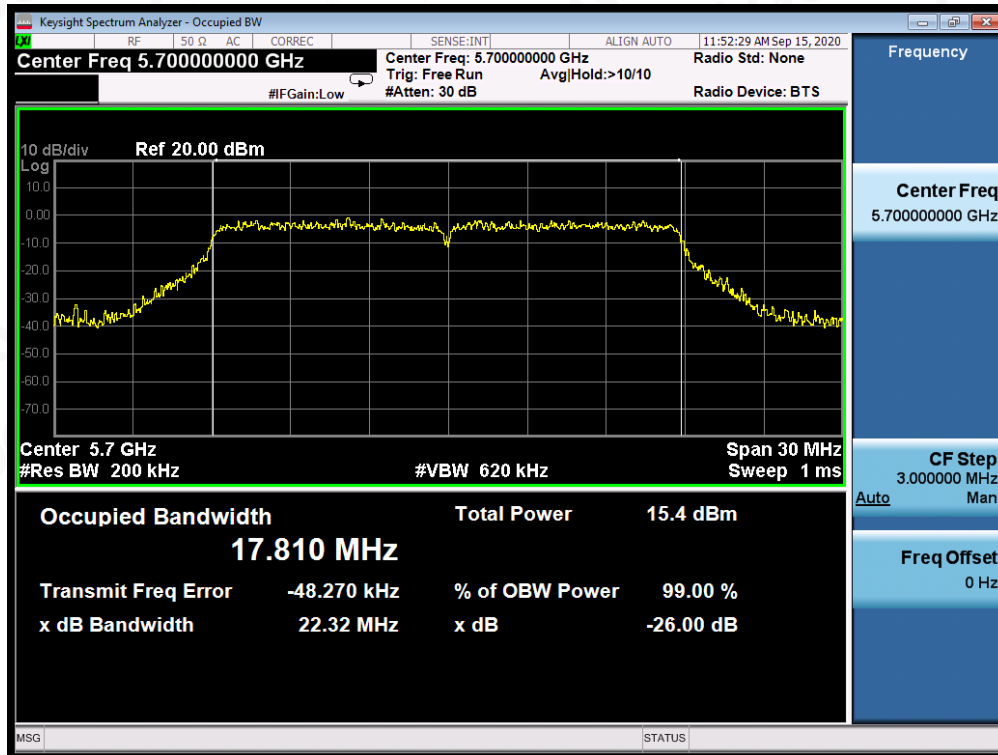




TEST PLOT OF BANDWIDTH FOR 5600MHZ



TEST PLOT OF BANDWIDTH FOR 5700MHZ



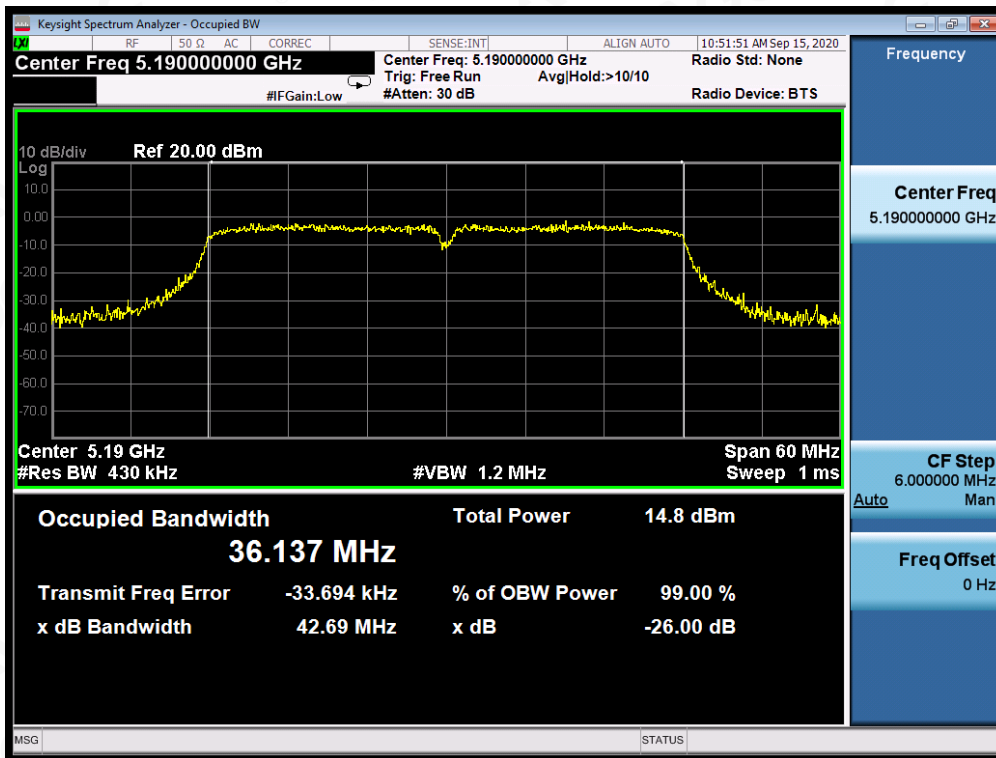
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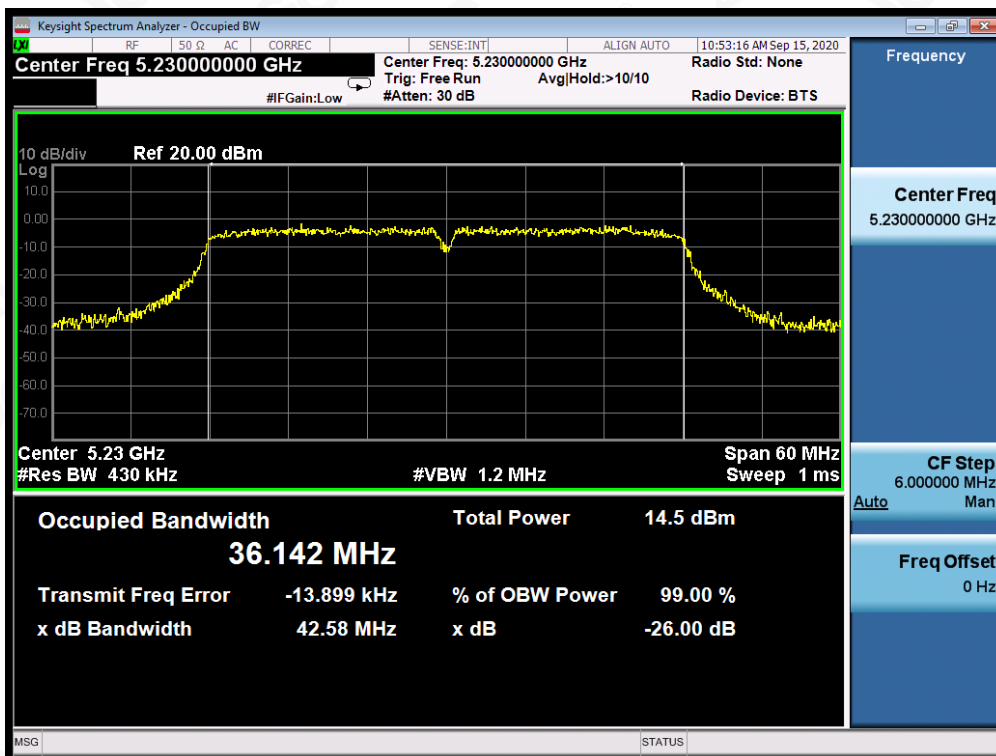


### 802.11n40 TEST RESULT

#### TEST PLOT OF BANDWIDTH FOR 5190MHz



#### TEST PLOT OF BANDWIDTH FOR 5230MHz

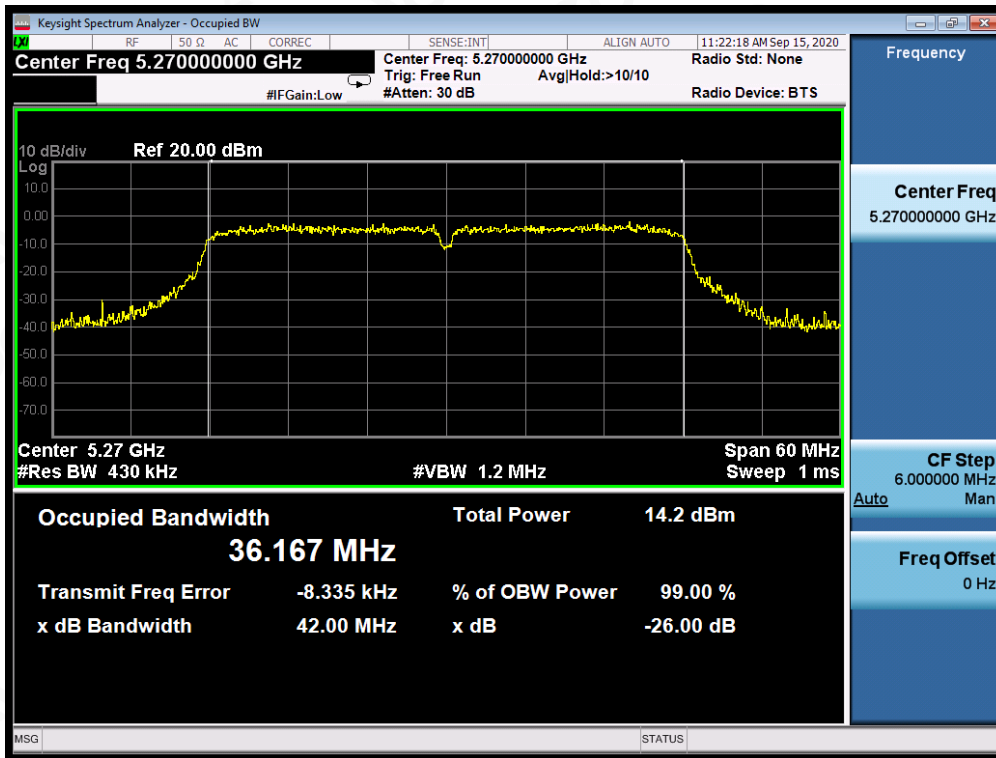


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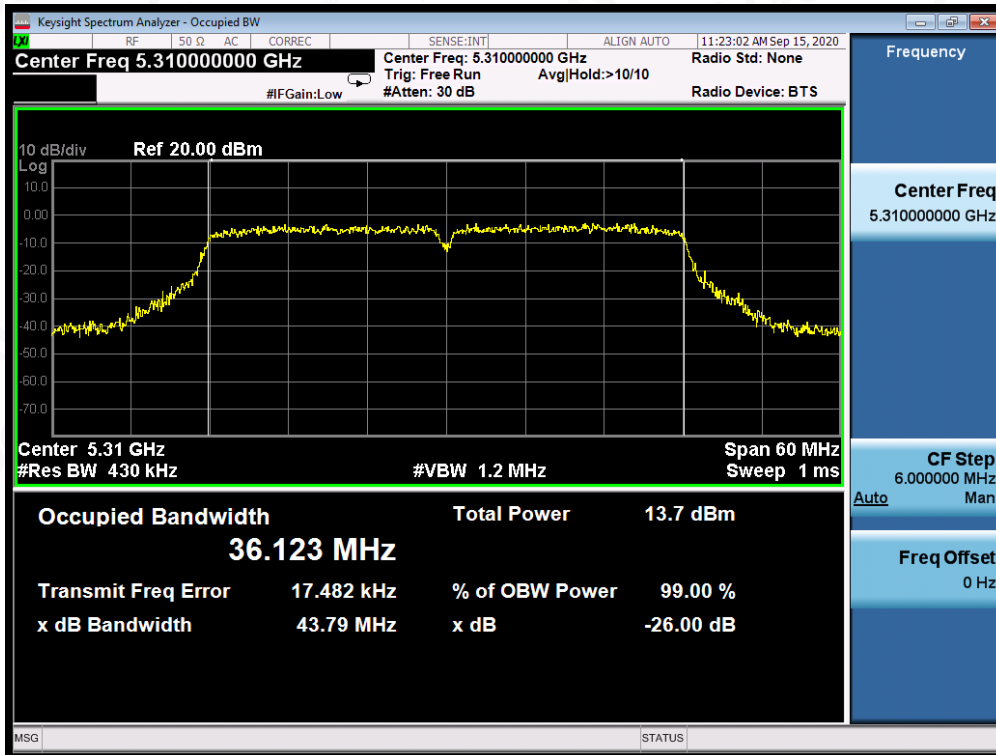
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### TEST PLOT OF BANDWIDTH FOR 5270MHz



### TEST PLOT OF BANDWIDTH FOR 5310MHz



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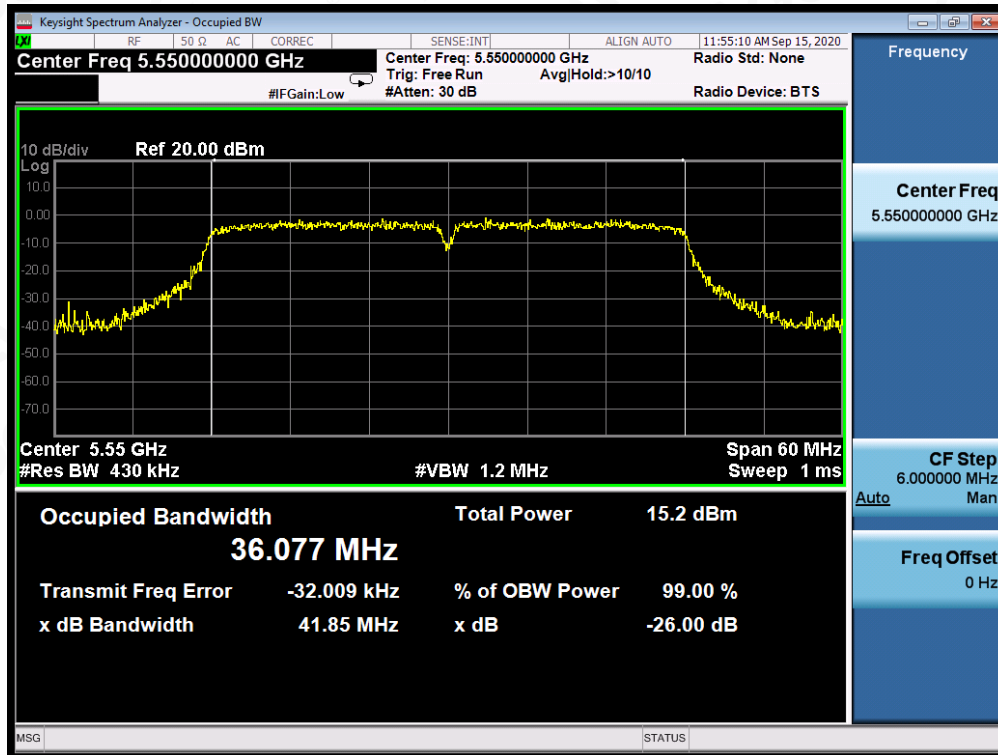
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TEST PLOT OF BANDWIDTH FOR 5510MHZ



TEST PLOT OF BANDWIDTH FOR 5590MHZ



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TEST PLOT OF BANDWIDTH FOR 5670MHZ



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## 10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 10.1 MEASUREMENT PROCEDURE

Refer to KDB 789033 section F

### 10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 8.2.

### 10.3 MEASUREMENT EQUIPMENT USED

Refer To Section 6.

### 10.4 LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Frequency (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5180	-2.358	11	Pass
5200	-3.078	11	Pass
5240	-2.852	11	Pass
5260	-3.833	11	Pass
5300	-3.328	11	Pass
5320	-3.403	11	Pass
5500	-2.382	11	Pass
5600	-1.769	11	Pass
5700	-1.917	11	Pass
Frequency (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5745	-5.649	30	Pass
5785	-5.511	30	Pass
5825	-5.584	30	Pass

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**LIMITS AND MEASUREMENT RESULT FOR 802.11N20 MODULATION**

Frequency (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5180	-2.383	11	Pass
5200	-2.934	11	Pass
5240	-3.167	11	Pass
5260	-3.736	11	Pass
5300	-3.755	11	Pass
5320	-3.530	11	Pass
5500	-2.675	11	Pass
5600	-2.033	11	Pass
5700	-2.389	11	Pass
Frequency (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5745	-5.822	30	Pass
5785	-5.379	30	Pass
5825	-5.376	30	Pass

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**LIMITS AND MEASUREMENT RESULT FOR 802.11N40 MODULATION**

Frequency (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5190	-6.361	11	Pass
5230	-6.208	11	Pass
5270	-6.843	11	Pass
5310	-6.612	11	Pass
5510	-5.992	11	Pass
5590	-4.855	11	Pass
5670	-5.296	11	Pass
Frequency (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5755	-8.535	30	Pass
5795	-8.786	30	Pass

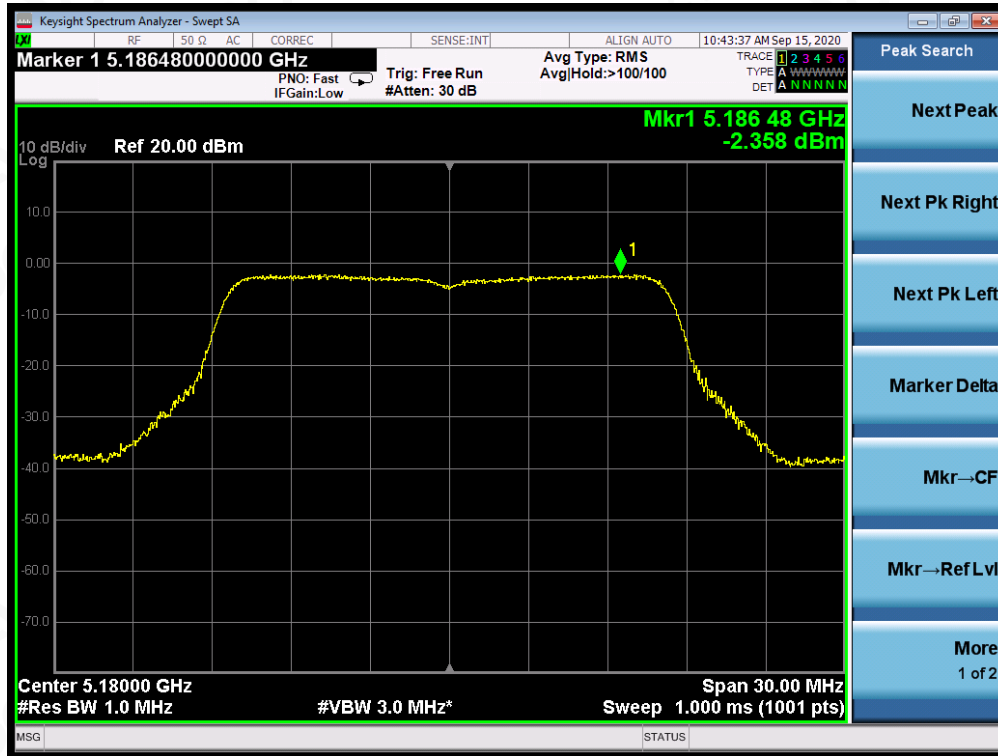
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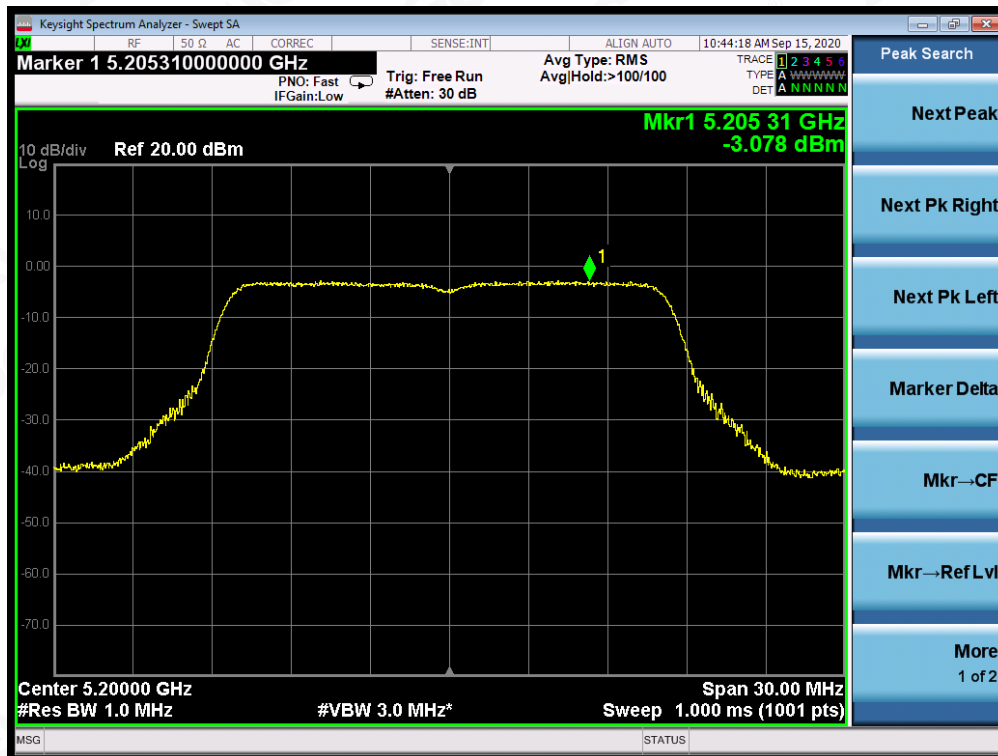


### 802.11a20 TEST RESULT

#### TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz



#### TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz

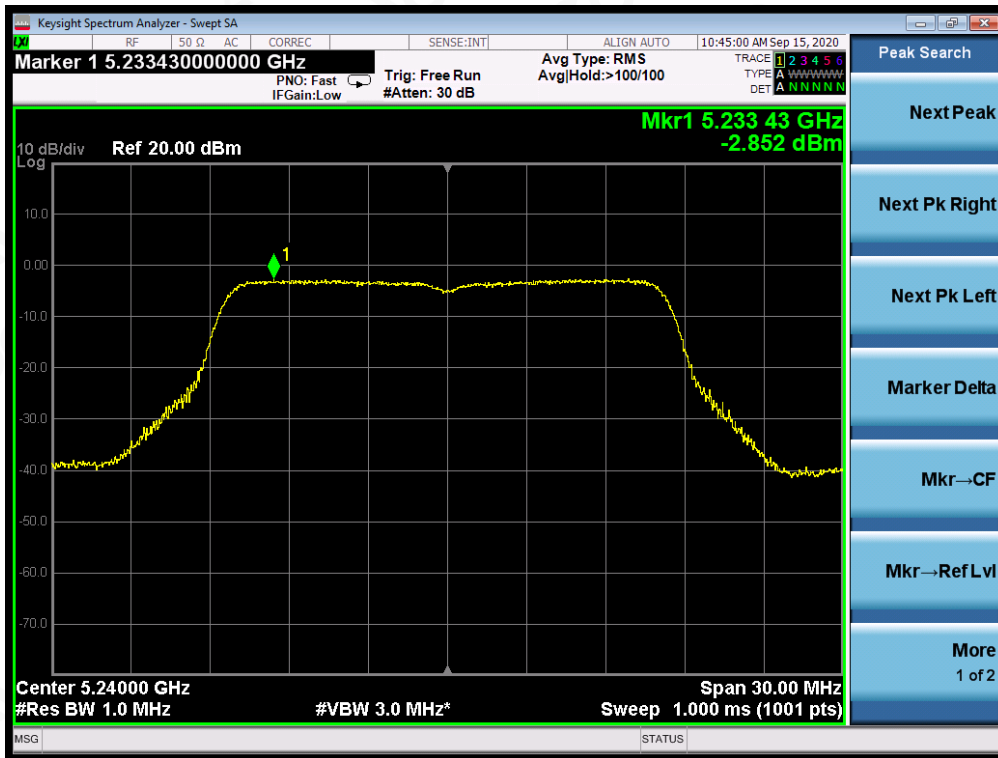


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TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5260MHz



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TEST PLOT OF SPECTRAL DENSITY FOR 5300MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5320MHz

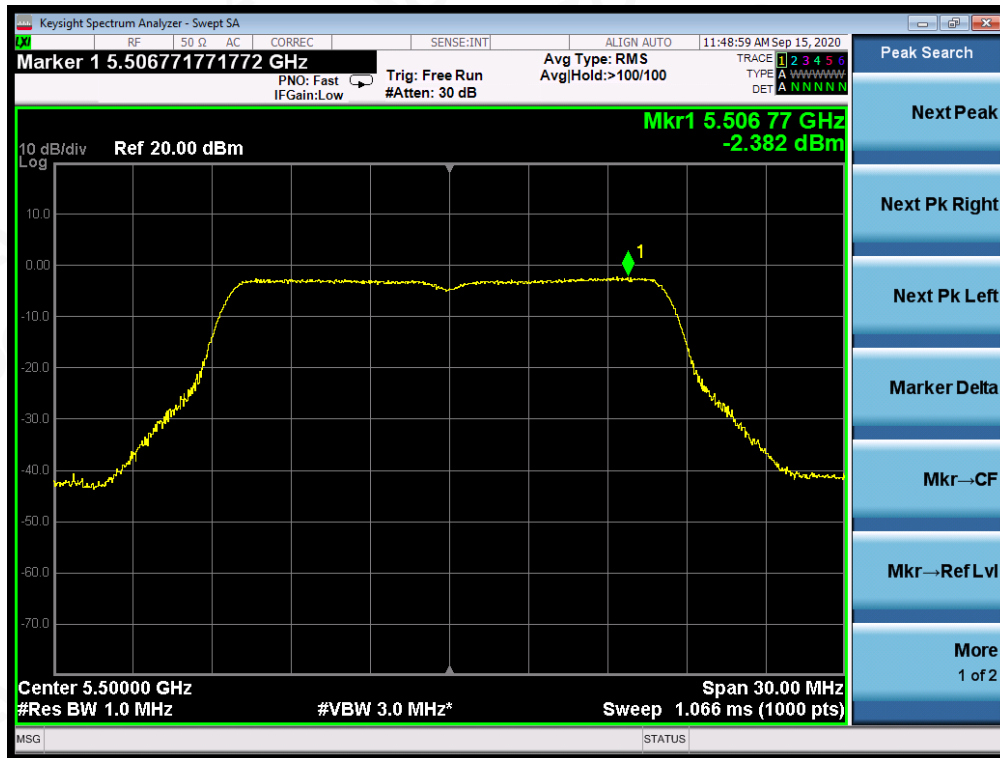


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TEST PLOT OF SPECTRAL DENSITY FOR 5500MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5600MHz



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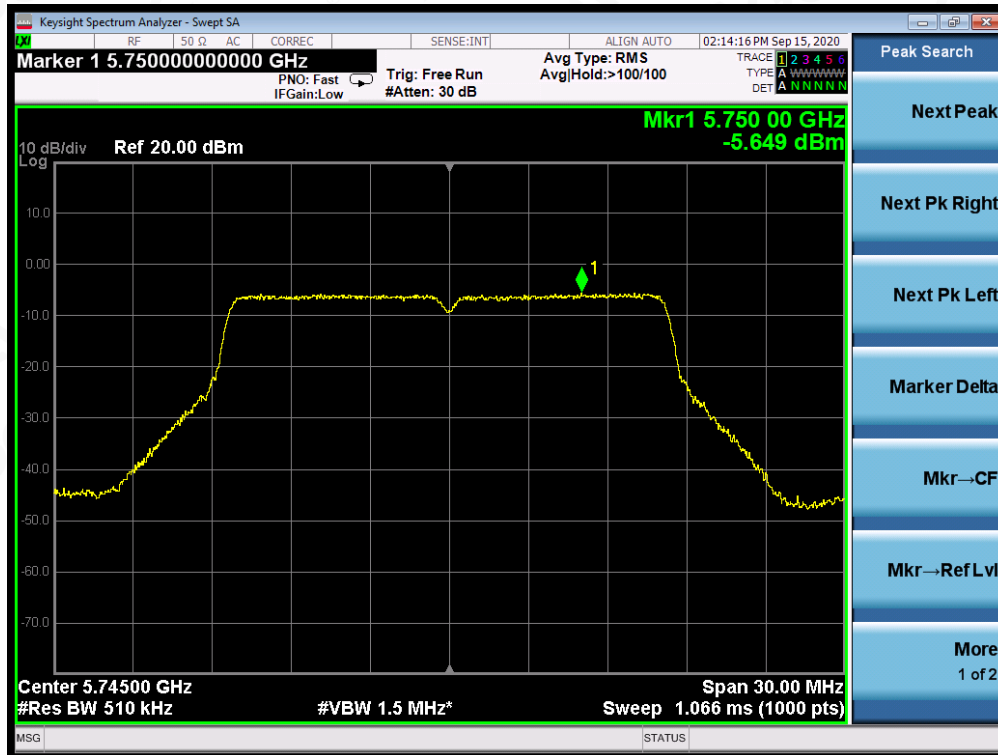




TEST PLOT OF SPECTRAL DENSITY FOR 5700MH



TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz

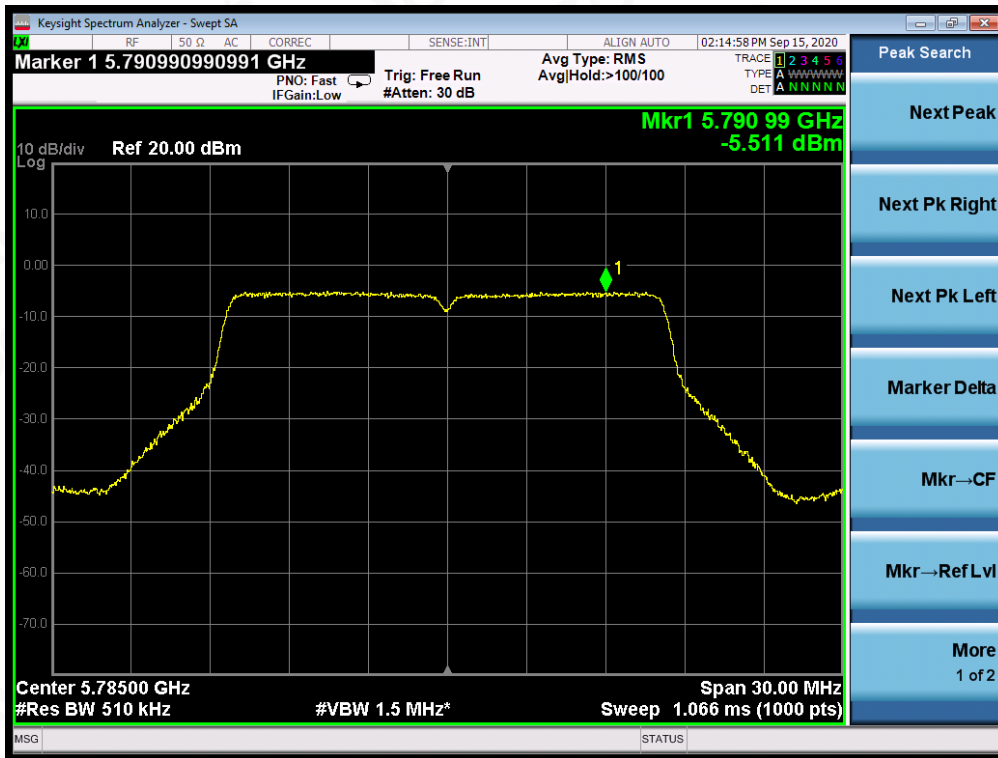


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TEST PLOT OF SPECTRAL DENSITY FOR 5785MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5825MHz



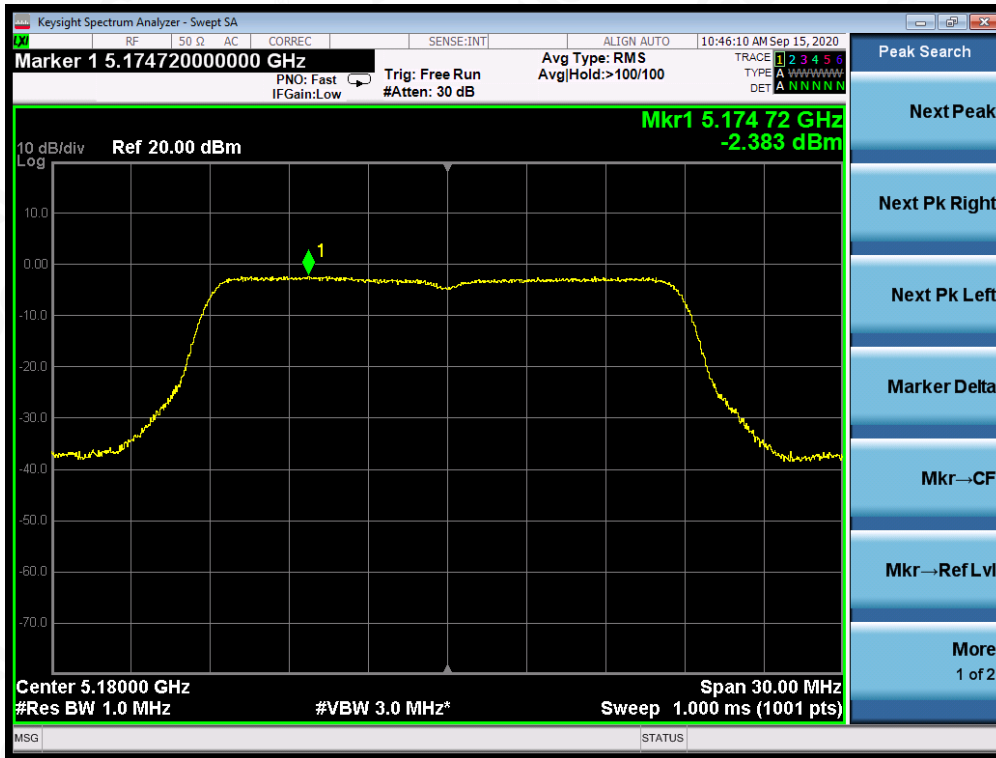
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### 802.11n20 TEST RESULT

#### TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz



#### TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz



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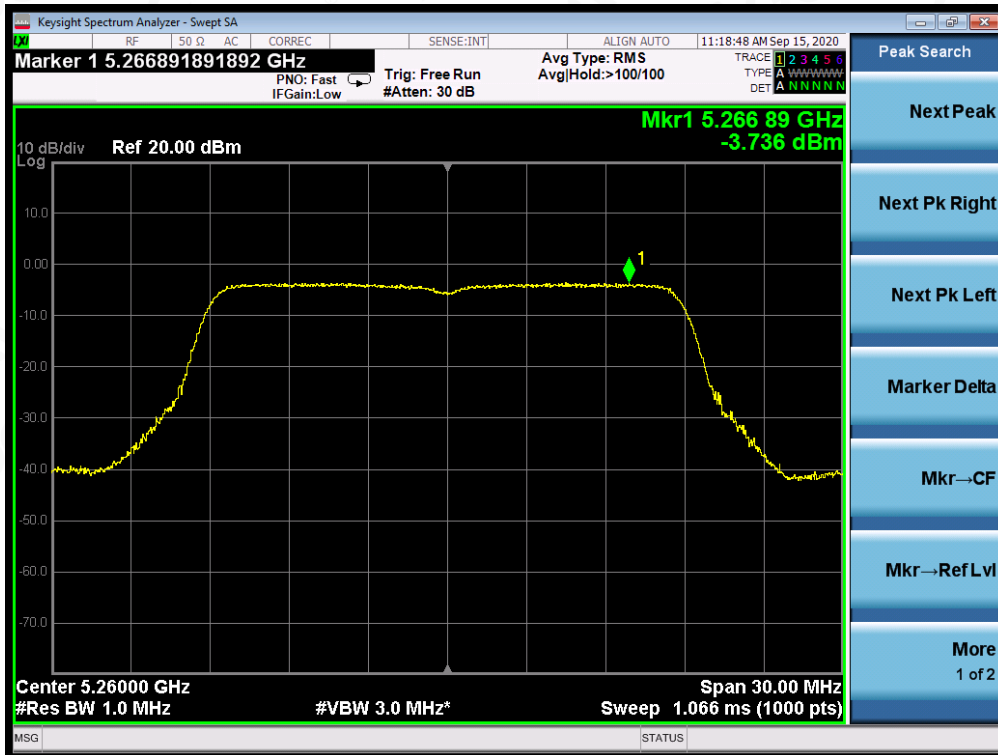
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TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5260MHz



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