



TEST REPORT

FCC Part 15 Subpart E

Test report

On Behalf of

SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD

For

Dual band wireless adapter

Model No.: 9B06, 9B08

FCC ID: 2AKC6XHT-WF9E

Prepared for : SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD
3Floor, B Buliding, DaHong Industrial Park, GuangMin District, Shenzhen City,
China

Prepared By : Shenzhen HUAKE Testing Technology Co., Ltd.
1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping
Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Date of Test: Jan. 04, 2019 ~ Jan. 10, 2019

Date of Report: Jan. 10, 2019

Report Number: HK1901090062E

TEST RESULT CERTIFICATION

Applicant's name : SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD
Address..... : 3Floor, B Buliding, DaHong Industrial Park, GuangMin District,
 Shenzhen City, China
Manufacture's Name : SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD
Address..... : 3Floor, B Buliding, DaHong Industrial Park, GuangMin District,
 Shenzhen City, China

Product description

Trade Mark: N/A
Product name..... : Dual band wireless adapter
Model and/or type reference .. : 9B06, 9B08
Model Difference All the same except for the model name and appearance
Standards : 47 CFR FCC Part 15 Subpart E

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Date of Test :
Date (s) of performance of tests..... : Jan. 04, 2019 ~ Jan. 10, 2019
Date of Issue..... : Jan. 10, 2019
Test Result..... : **Pass**

Testing Engineer :



 (Gary Qian)

Technical Manager :



 (Eden Hu)

Authorized Signatory :



 (Jason Zhou)

TABLE OF CONTENTS

1.SUMMARY	5
1.1 TEST STANDARDS	5
1.2 TEST DESCRIPTION	5
1.3 TEST FACILITY	6
1.4 STATEMENT OF THE MEASUREMENT UNCERTAINTY	6
2.GENERAL INFORMATION.....	7
2.1 ENVIRONMENTAL CONDITIONS	7
2.2 GENERAL DESCRIPTION OF EUT	7
2.3. TABLE OF CARRIER FREQUENCYS	7
2.4. RELATED SUBMITTAL(S) / GRANT (S)	8
2.5. ACCESSORIES USED	8
2.6 EQUIPMENT USED	8
3. DESCRIPTION OF TEST MODES.....	9
4. MAXIMUM CONDUCTED OUTPUT POWER.....	10
4.1. MEASUREMENT PROCEDURE	10
4.2. TEST SET-UP.....	10
4.3. LIMITS AND MEASUREMENT RESULT	11
5. 6DB BANDWIDTH.....	13
5.1. MEASUREMENT PROCEDURE	13
5.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	13
5.3. LIMITS AND MEASUREMENT RESULTS	14
6. EMISSION BANDWIDTH.....	22
6.1. MEASUREMENT PROCEDURE	22
6.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	22
6.3. LIMITS AND MEASUREMENT RESULTS	23
7. MAXIMUM CONDUCTED OUTPUT PEAK POWER SPECTRAL DENSITY	31
7.1 MEASUREMENT PROCEDURE	31
7.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	31
7.3 MEASUREMENT EQUIPMENT USED.....	31

7.4 LIMITS AND MEASUREMENT RESULT	31
8. CONDUCTED SPURIOUS EMISSION	81
8.1. MEASUREMENT PROCEDURE	81
8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....	81
8.3. MEASUREMENT EQUIPMENT USED	81
8.4. LIMITS AND MEASUREMENT RESULT	81
9. RADIATED EMISSION.....	103
9.1. MEASUREMENT PROCEDURE	103
9.2. TEST SETUP.....	104
9.3. LIMITS AND MEASUREMENT RESULT	105
9.4. TEST RESULT.....	105
10. BAND EDGE EMISSION	112
10.1. MEASUREMENT PROCEDURE	112
10.2. TEST SET-UP.....	112
10.3. TEST RESULT.....	113
11. FREQUENCY STABILITY	119
11.1. MEASUREMENT PROCEDURE	119
11.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)	119
11.3. MEASUREMENT RESULTS	120
12. FCC LINE CONDUCTED EMISSION TEST	126
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST.....	126
12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST	126
12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST	127
12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST	127
12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST	128
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	130

1.SUMMARY

1.1 TEST STANDARDS

The tests were performed according to following standards:

[FCC Part 15 Subpart E](#): Unlicensed National Information Infrastructure Devices

[ANSI C63.10:2013](#) : American National Standard for Testing Unlicensed Wireless Devices

[KDB 789033 D02 v02r01](#): Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) devices (part 15, subpart E)

1.2 TEST DESCRIPTION

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.407	6dB Bandwidth	Compliant
§15.407	Emission Bandwidth	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

NOTE: N/A stands for not applicable.

1.3 TEST FACILITY

1.3.1 Address of the test laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Addr.:1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park,Heping Community, Fuhai Street, Bao'an District, Shenzhen, China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4 and CISPR 32/EN 55032 requirements.

1.3.2 Laboratory accreditation

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

IC Registration No.: 21210

The 3m alternate test site of Shenzhen HUAK Testing Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 21210 on May 24, 2016.

FCC Registration No.: CN1229

Test Firm Registration Number : 616276

1.4 STATEMENT OF THE MEASUREMENT UNCERTAINTY

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen HUAK Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for HUAK laboratory is reported:

Test	Measurement Uncertainty	Notes
Transmitter power conducted	±0.57 dB	(1)
Transmitter power Radiated	±2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	±2.20 dB	(1)
Occupied Bandwidth	±0.01ppm	(1)
Radiated Emission 30~1000MHz	±4.10dB	(1)
Radiated Emission Above 1GHz	±4.32dB	(1)
Conducted Disturbance0.15~30MHz	±3.20dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.GENERAL INFORMATION

2.1 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2 GENERAL DESCRIPTION OF EUT

Product Name	Dual band wireless adapter
Model/Type reference	9B06
Power supply	DC5V
Modulation	802.11a/n20/n40/ac20/ac40/ac80 BPSK, QPSK, 16QAM, 64QAM, 128QAM, 256QAM, OFDM
Operation Frequency	5150 MHz~5250MHz;5725 MHz~5850MHz
Channel number	15
Antenna Designation	Two Internal antennas and two external antennas (Use of reverse SMA connector)
Number of transmit chain	4(802.11a used antenna 0, 802.11n/ac used four antennas)
Directional gain	All transmit signals are completely uncorrelated with each other
Antenna gain	Internal antenna: 5dBi; External antenna: 5dBi
Hardware Version	A
Software Version	V1.0

Note: For more details, refer to the user's manual of the EUT.

2.3. TABLE OF CARRIER FREQUENCIES

Frequency Band	Channel Number	Frequency	Frequency Band	Channel Number	Frequency
5150 GHz~ 5250GHz	36	5180 MHz	5725 GHz~ 5850GHz	149	5745 MHz
	38	5190 MHz		151	5755 MHz
	40	5200 MHz		153	5765 MHz
	42	5210 MHz		155	5775MHz
	44	5220 MHz		157	5785 MHz
	46	5230 MHz		159	5795 MHz
	48	5240 MHz		161	5805 MHz
				165	5825MHz

Note: For 20MHZ bandwidth system use Channel 36,40,44,48,149,153,157,161,165; For 40MHZ bandwidth system use Channel 38,46,151,159; For 80MHZ bandwidth system use Channel 42,155

2.4. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AKC6XHT-WF9E** filing to comply with the FCC Part 15 requirements.

2.5. ACCESSORIES USED

Item	Equipment	Model No.	Specification	Remark
1	Dell PC	Ins 14-7460-D1525S	N/A	Provided by test lab
2	PC adapter	YH-195-462	DC19.5V/4.62A	Provided by test lab

2.6 EQUIPMENT USED

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	R&S	ENV216	HKE-002	Dec. 27, 2018	1 Year
2.	Receiver	R&S	ESCI 7	HKE-010	Dec. 27, 2018	1 Year
3.	RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 27, 2018	1 Year
4.	Horn Antenna	Schwarzbeck	BBHA 9170	HKE-090	Dec. 27, 2018	1 Year
5.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2018	1 Year
6.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 27, 2018	1 Year
7.	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Dec. 27, 2018	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Dec. 27, 2018	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 27, 2018	1 Year
10.	Horn Antenna	Schwarzbeck	9120D	HKE-013	Dec. 27, 2018	1 Year
11.	Pre-amplifier	EMCI	EMC051845 SE	HKE-015	Dec. 27, 2018	1 Year
12.	Pre-amplifier	Agilent	83051A	HKE-016	Dec. 27, 2018	1 Year
13.	EMI Test Software EZ-EMC	Tonscend	JS1120-B Version	HKE-083	Dec. 27, 2018	N/A
14.	Power Sensor	Agilent	E9300A	HKE-086	Dec. 27, 2018	1 Year
15.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2018	1 Year
16.	Signal generator	Agilent	N5182A	HKE-029	Dec. 27, 2018	1 Year
17.	Signal Generator	Agilent	83630A	HKE-028	Dec. 27, 2018	1 Year
18.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 27, 2018	3 Year

The calibration interval was one year

3. DESCRIPTION OF TEST MODES

Mode	Available channel	Tested channel	Modulation	Date rate(Mbps)
802.11a/n20/ac20	36,40,44,48,149,153,157,161,165	36,38,48,149, 157,165	OFDM	6/6.5
802.11n40/ac40	38,46,151,159	38,46, 151,159	OFDM	13.5
802.11ac80	42,155	42,155	OFDM	13.5

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.

4. MAXIMUM CONDUCTED OUTPUT POWER

4.1. MEASUREMENT PROCEDURE

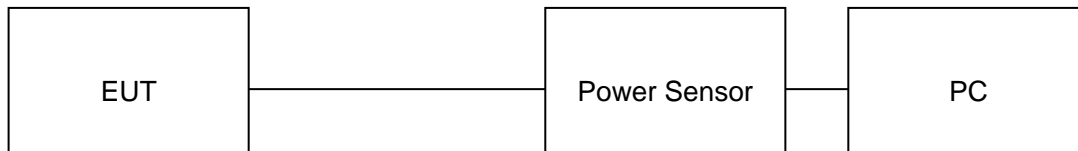
For average power test:

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.

4.2. TEST SET-UP

AVERAGE POWER SETUP



4.3. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Frequency (MHz)	Average Power (dBm)	Applicable Limits (dBm)	Pass or Fail
5180	7.24	24	Pass
5200	7.12	24	Pass
5240	7.08	24	Pass
5745	6.84	30	Pass
5785	6.87	30	Pass
5825	6.55	30	Pass

LIMITS AND MEASUREMENT RESULT FOR 802.11N20 MODULATION							
Frequency (MHz)	Average Power Chain 0(dBm)	Average Power Chain 1(dBm)	Average Power Chain 2(dBm)	Average Power Chain 3(dBm)	Average Power Total(dBm)	Applicable Limits (dBm)	Pass or Fail
5180	0.54	0.51	0.46	0.37	6.49	24	Pass
5200	0.45	0.27	0.34	0.29	6.36	24	Pass
5240	0.44	0.11	0.22	0.36	6.31	24	Pass
5745	0.47	0.15	0.07	0.29	6.27	30	Pass
5785	0.51	0.14	0.40	0.17	6.33	30	Pass
5825	0.49	0.10	0.11	0.49	6.32	30	Pass

LIMITS AND MEASUREMENT RESULT FOR 802.11AC20 MODULATION							
Frequency (MHz)	Average Power Chain 0(dBm)	Average Power Chain 1(dBm)	Average Power Chain 2(dBm)	Average Power Chain 3(dBm)	Average Power Total(dBm)	Applicable Limits (dBm)	Pass or Fail
5180	0.47	0.05	0.00	0.30	6.23	24	Pass
5200	0.48	0.32	-0.01	0.21	6.28	24	Pass
5240	0.47	0.07	0.17	0.47	6.32	24	Pass
5745	0.45	0.32	0.31	-0.05	6.28	30	Pass
5785	0.45	0.11	0.44	0.09	6.30	30	Pass
5825	0.42	0.41	0.01	0.03	6.24	30	Pass

LIMITS AND MEASUREMENT RESULT FOR 802.11N40 MODULATION							
Frequency (MHz)	Average Power Chain 0(dBm)	Average Power Chain 1(dBm)	Average Power Chain 2(dBm)	Average Power Chain 3(dBm)	Average Power Total(dBm)	Applicable Limits (dBm)	Pass or Fail
5190	-1.42	-1.91	-1.83	-1.65	4.32	24	Pass
5230	-1.53	-1.95	-1.87	-1.89	4.21	24	Pass
5755	-1.42	-1.62	-1.43	-1.91	4.43	30	Pass
5795	-1.51	-1.77	-1.72	-1.55	4.38	30	Pass

LIMITS AND MEASUREMENT RESULT FOR 802.11AC40 MODULATION							
Frequency (MHz)	Average Power Chain 0(dBm)	Average Power Chain 1(dBm)	Average Power Chain 2(dBm)	Average Power Chain 3(dBm)	Average Power Total(dBm)	Applicable Limits (dBm)	Pass or Fail
5190	-1.57	-1.88	-1.58	-1.84	4.31	24	Pass
5230	-1.68	-1.97	-1.73	-2.01	4.18	24	Pass
5755	-1.49	-1.97	-1.55	-1.57	4.38	30	Pass
5795	-1.57	-1.97	-1.77	-2.03	4.19	30	Pass

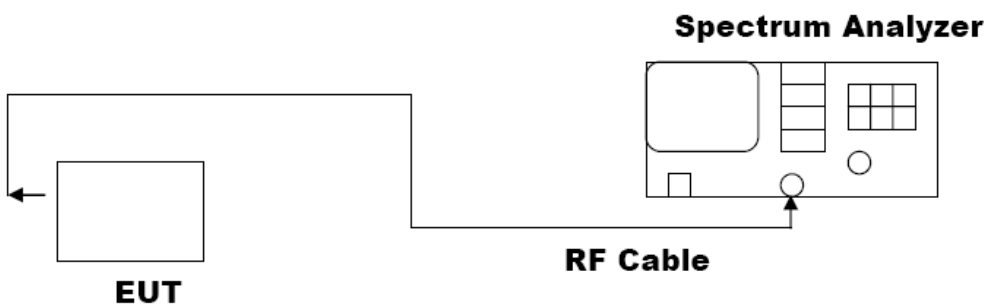
LIMITS AND MEASUREMENT RESULT FOR 802.11AC80 MODULATION							
Frequency (MHz)	Average Power Chain 0(dBm)	Average Power Chain 1(dBm)	Average Power Chain 2(dBm)	Average Power Chain 3(dBm)	Average Power Total(dBm)	Applicable Limits (dBm)	Pass or Fail
5210	-3.55	-3.67	-3.98	-3.60	2.32	24	Pass
5775	-4.12	-4.14	-4.44	-4.18	1.80	30	Pass

5. 6dB BANDWIDTH

5.1. 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.

5.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



5.3. LIMITS AND MEASUREMENT RESULTS

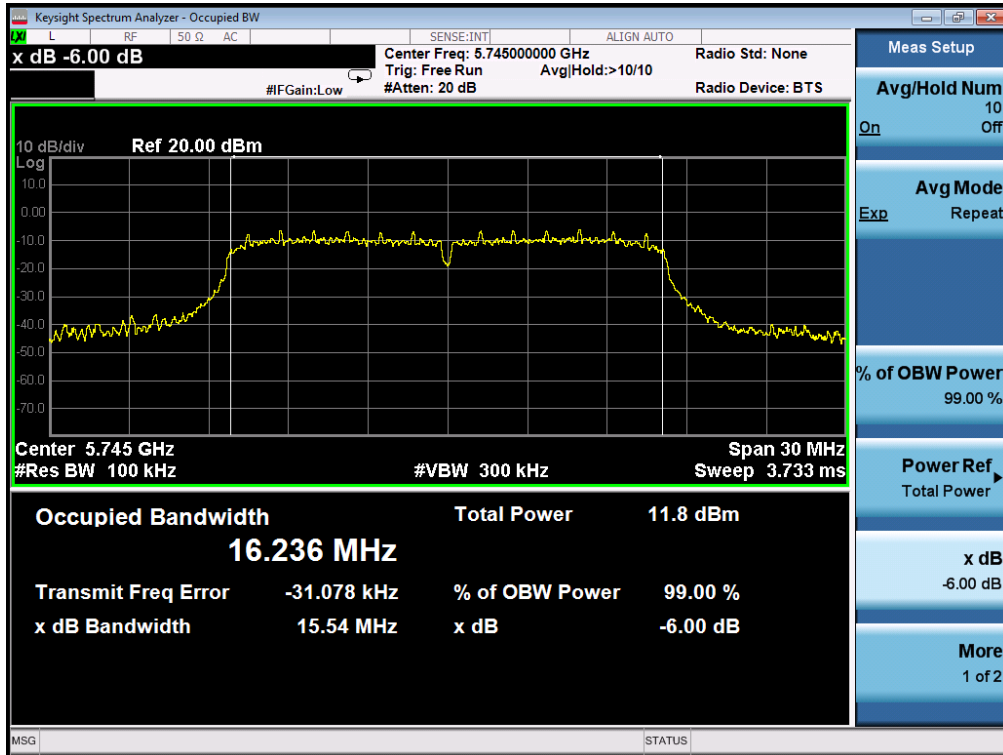
LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	5745MHz	15.54	PASS
	5785MHz	15.57	PASS
	5825MHz	15.37	PASS

LIMITS AND MEASUREMENT RESULT FOR 802.11N20/40 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	5745MHz	15.14	PASS
	5785MHz	15.16	PASS
	5825MHz	15.73	PASS
	5755MHz	35.01	PASS
	5795MHz	32.59	PASS

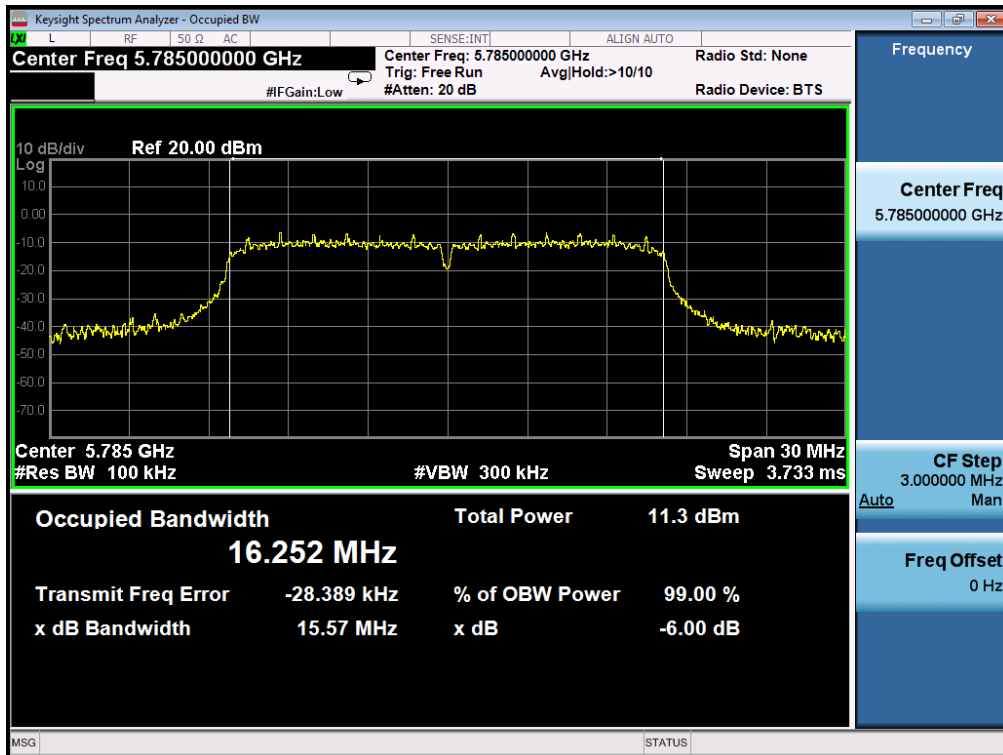
LIMITS AND MEASUREMENT RESULT FOR 802.11AC20/40/80 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	5745MHz	15.55	PASS
	5785MHz	15.55	PASS
	5825MHz	15.46	PASS
	5755MHz	35.00	PASS
	5795MHz	35.04	PASS
	5775MHz	72.69	PASS

802.11a20 TEST RESULT

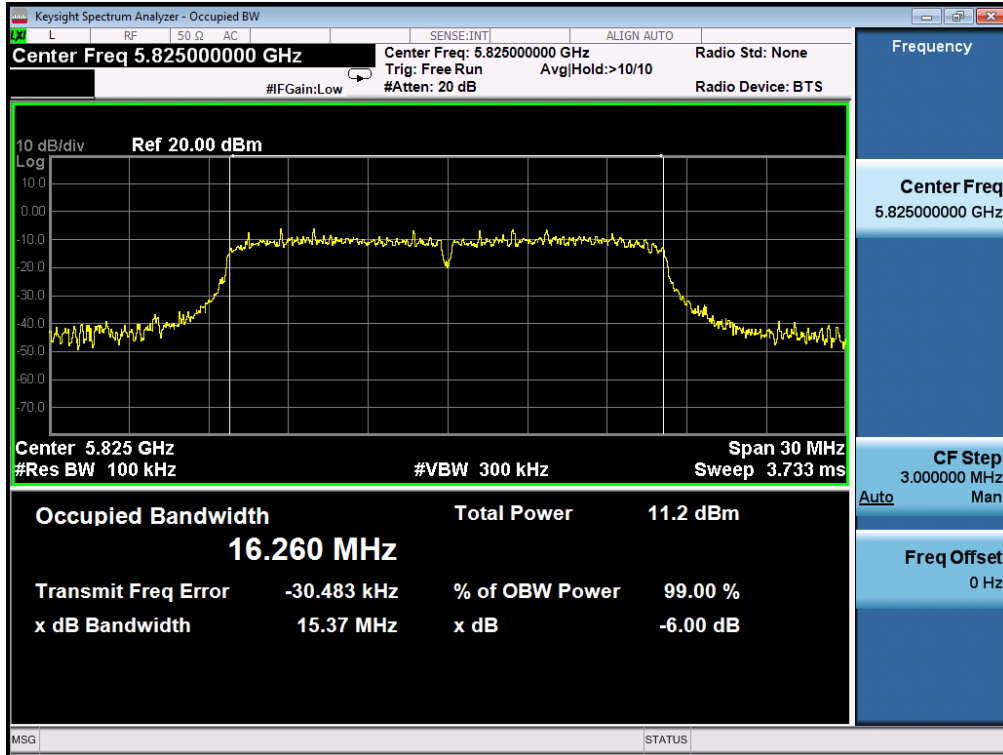
TEST PLOT OF BANDWIDTH FOR 5745MHz



TEST PLOT OF BANDWIDTH FOR 5785MHz

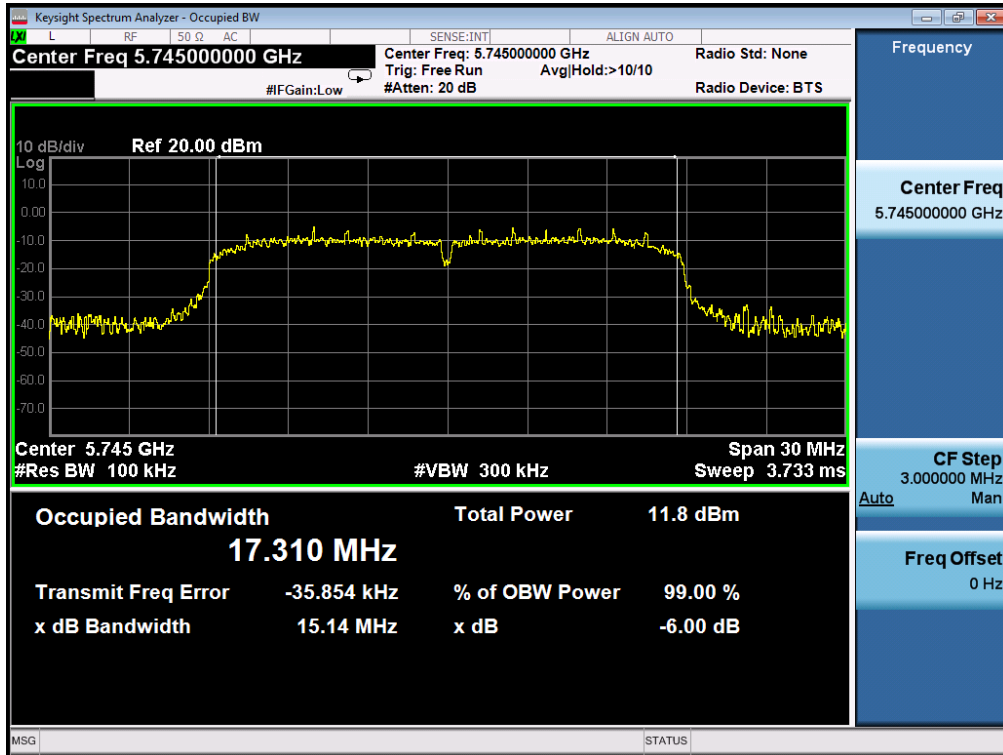


TEST PLOT OF BANDWIDTH FOR 5825MHz

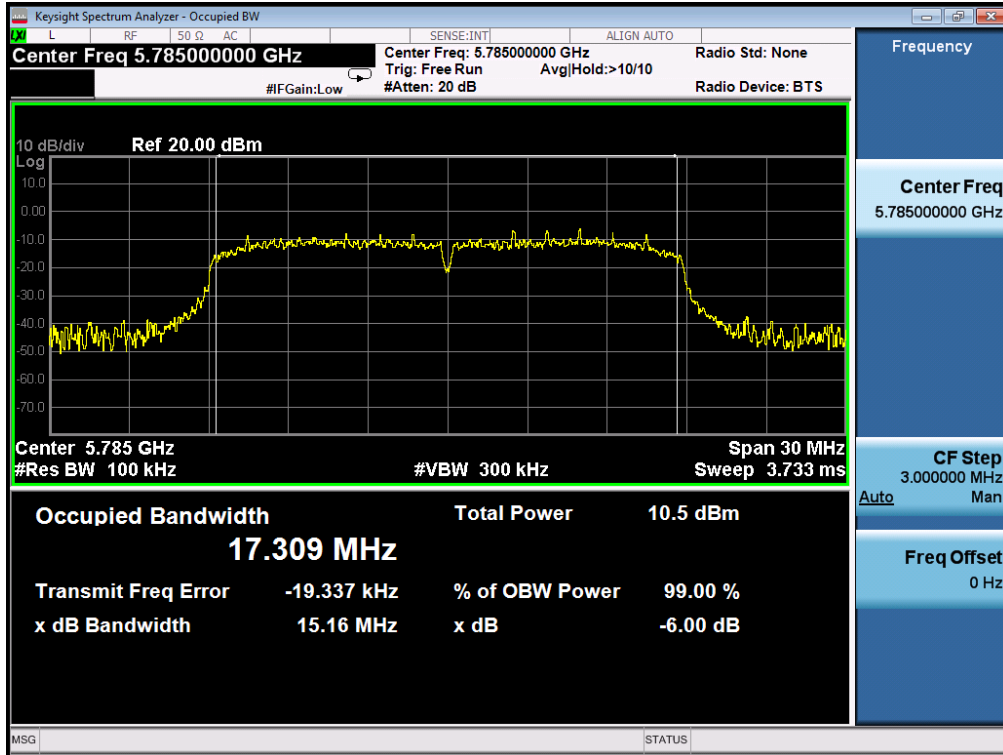


802.11n20 TEST RESULT

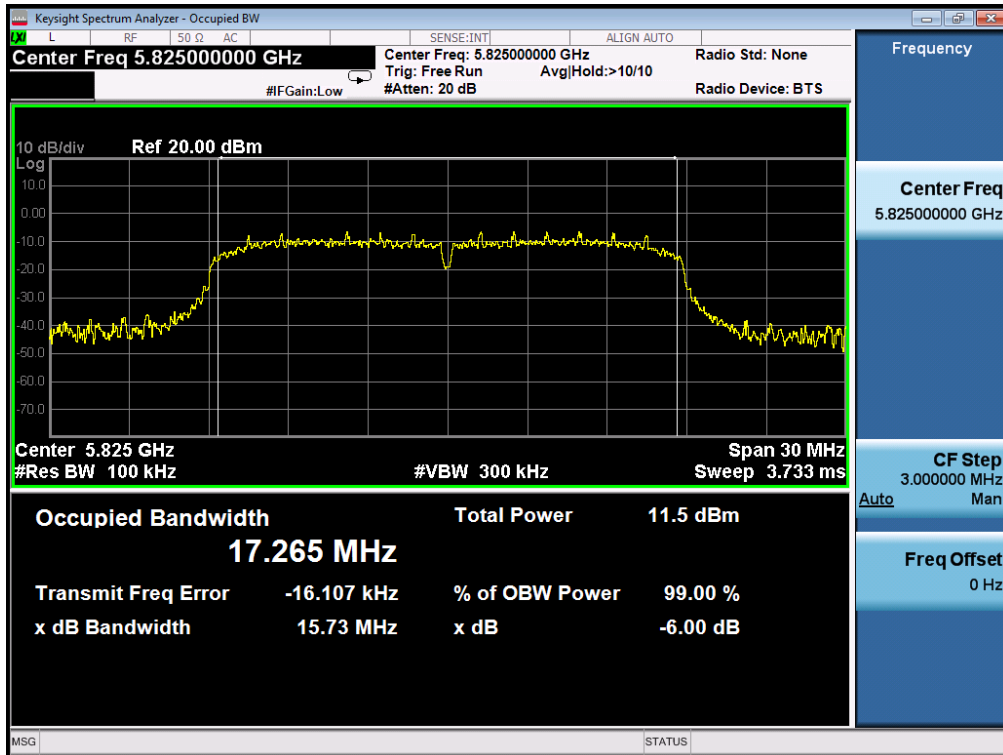
TEST PLOT OF BANDWIDTH FOR 5745MHz



TEST PLOT OF BANDWIDTH FOR 5785MHz

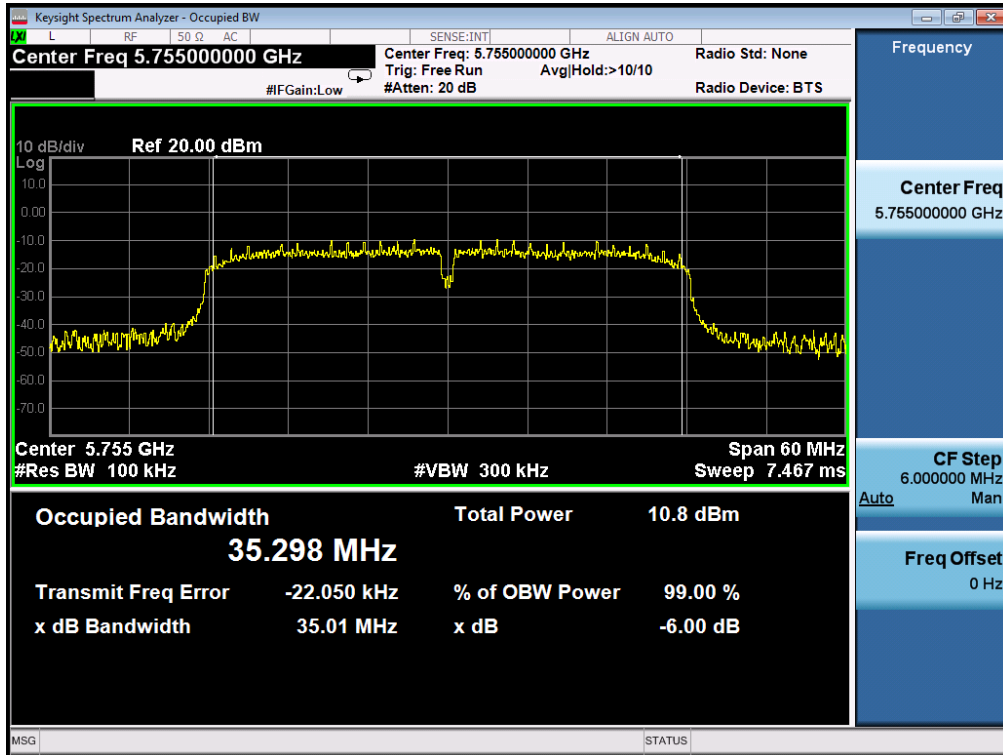


TEST PLOT OF BANDWIDTH FOR 5825MHz

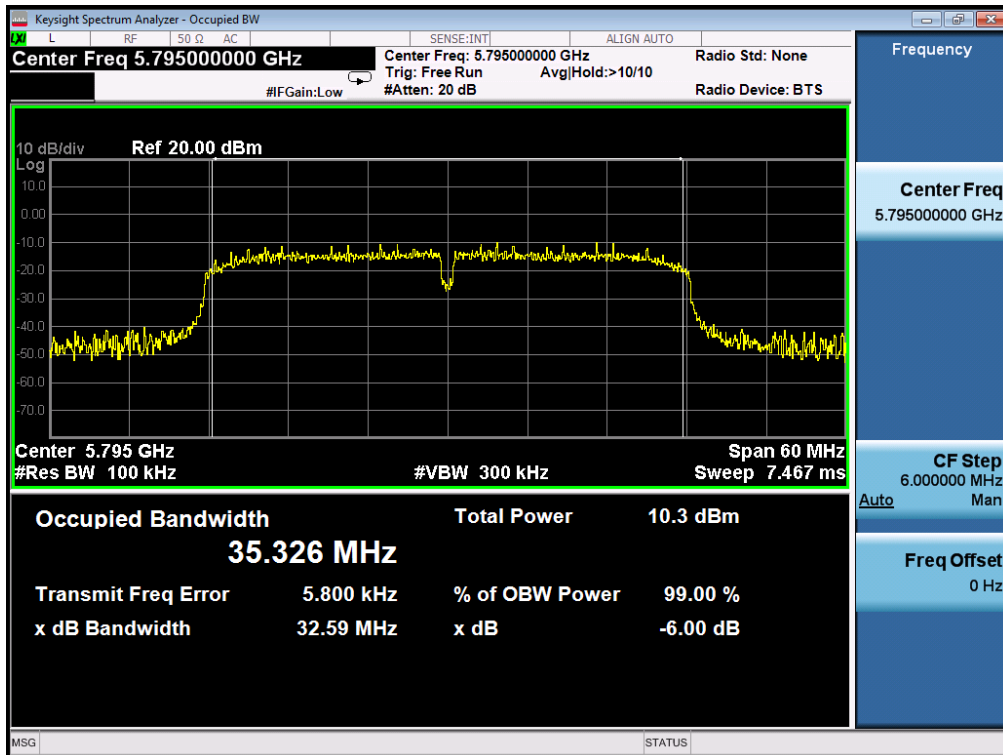


802.11n40 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5755MHz

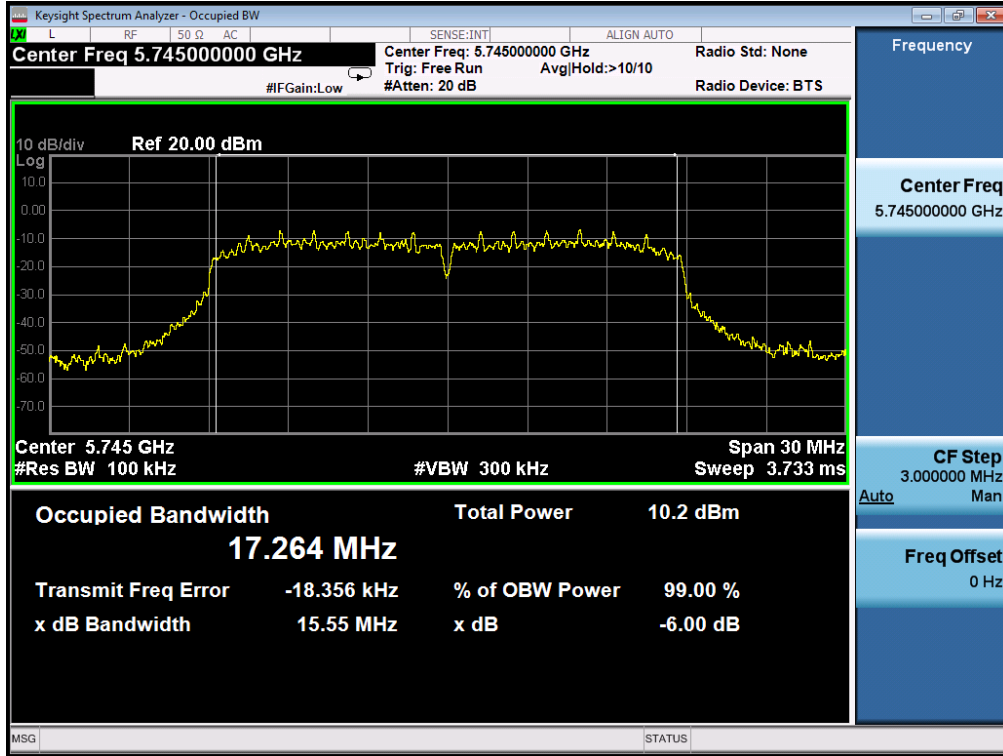


TEST PLOT OF BANDWIDTH FOR 5795MHz

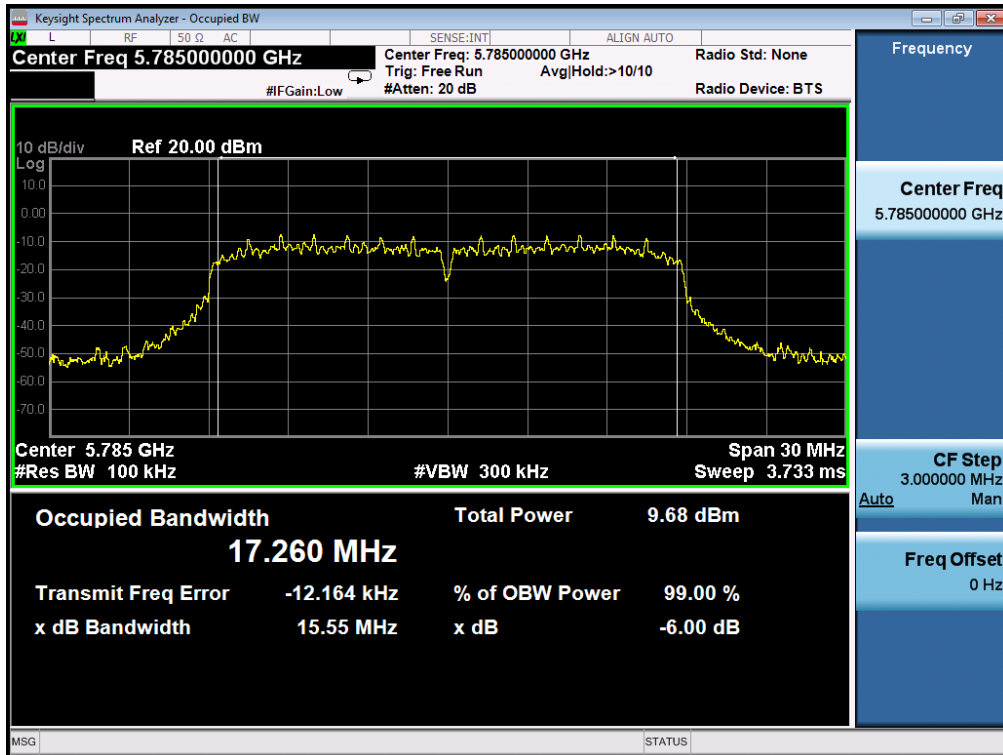


802.11ac20 TEST RESULT

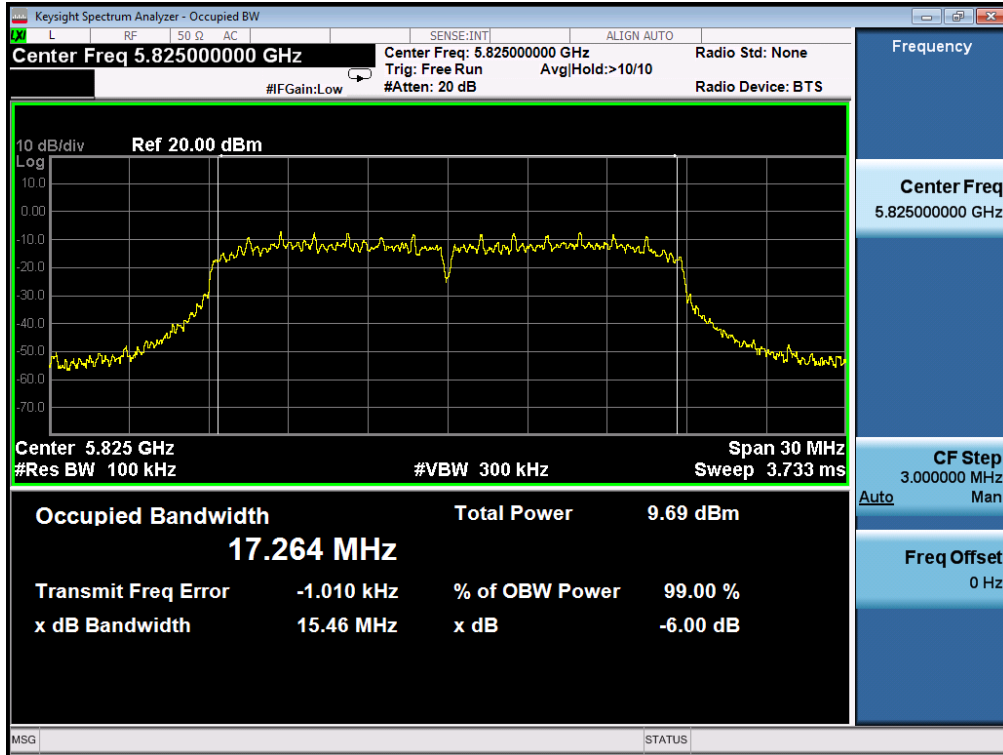
TEST PLOT OF BANDWIDTH FOR 5745MHz



TEST PLOT OF BANDWIDTH FOR 5785MHz

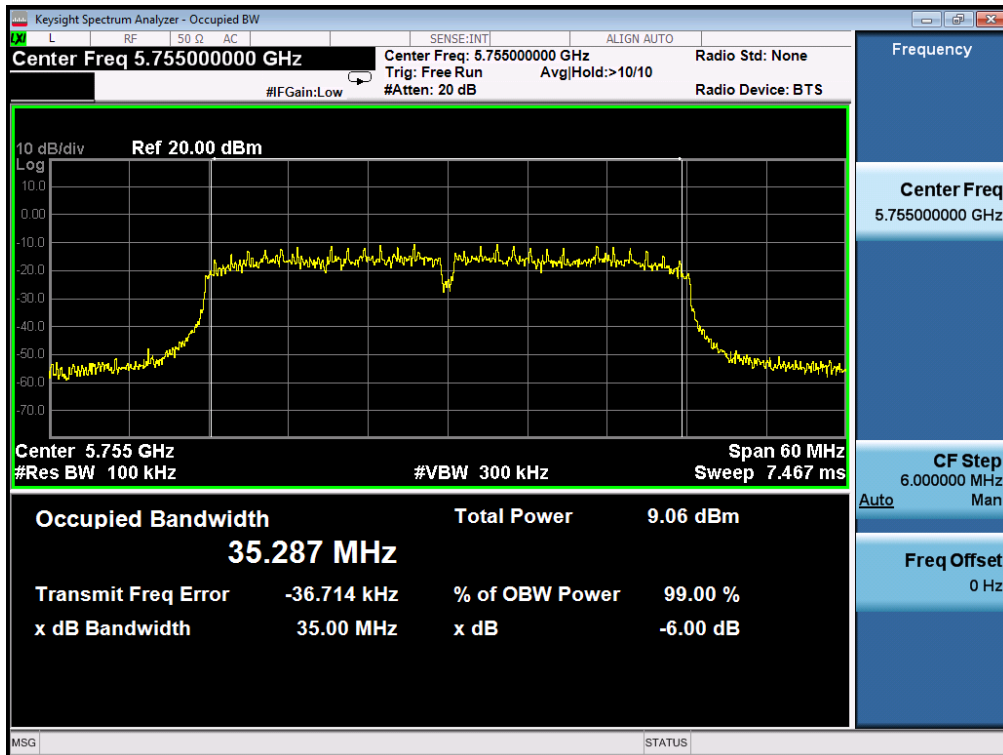


TEST PLOT OF BANDWIDTH FOR 5825MHz

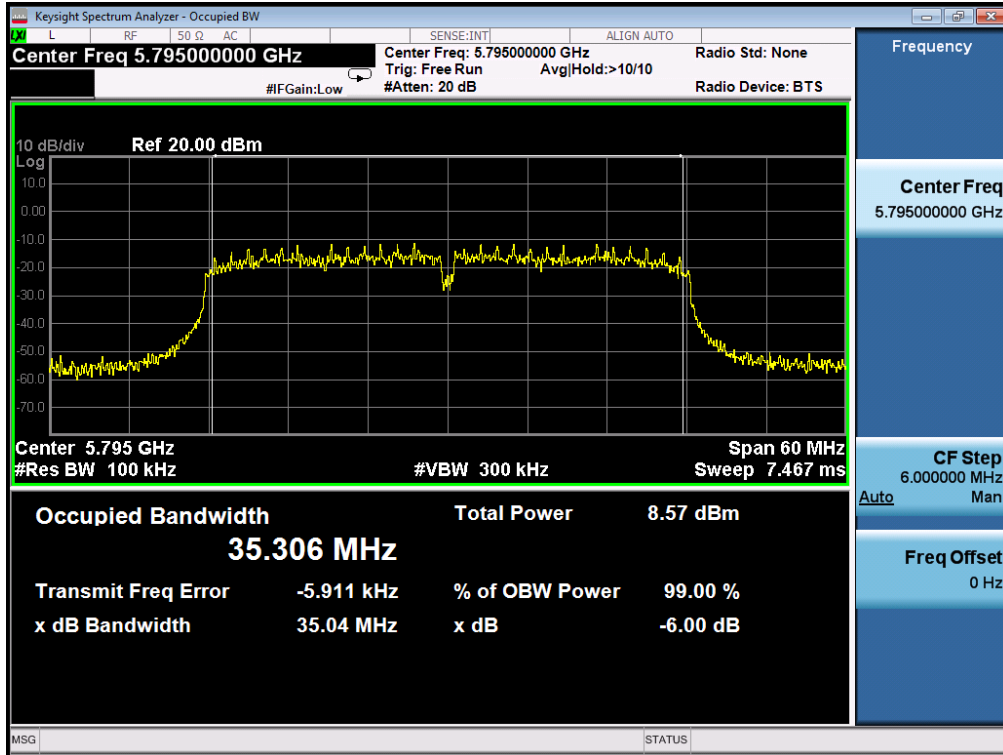


802.11ac40 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5755MHz

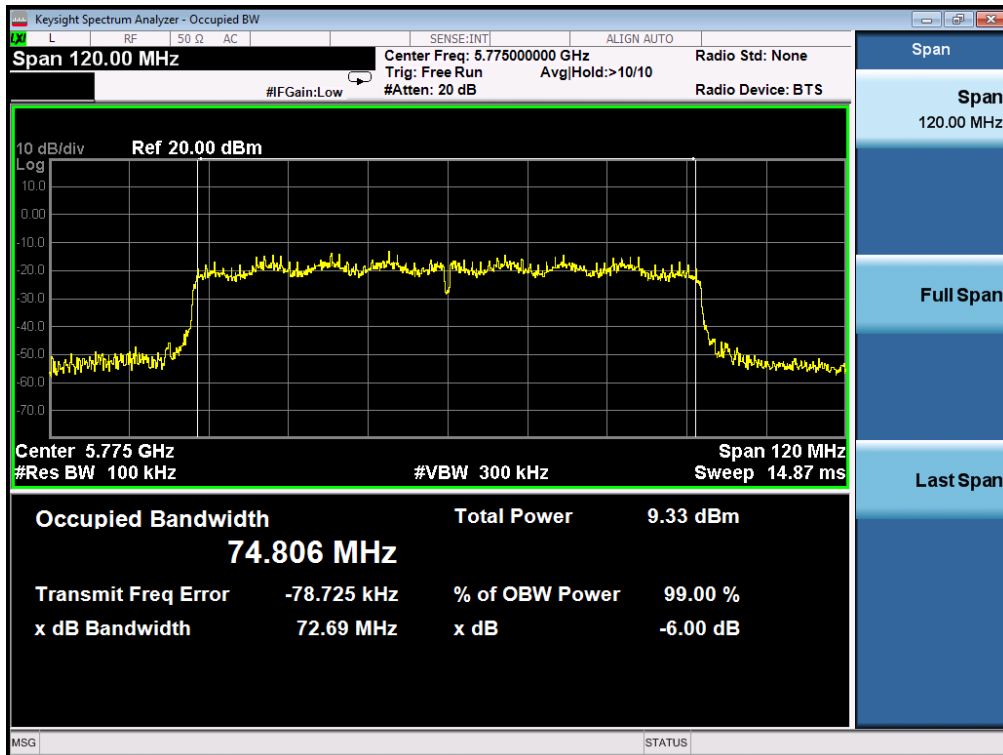


TEST PLOT OF BANDWIDTH FOR 5795MHz



802.11ac80 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5775MHz



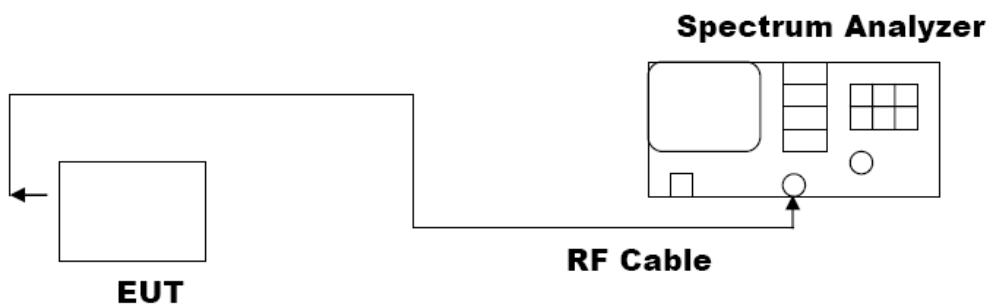
6. EMISSION BANDWIDTH

6.1. 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.

6.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



6.3. LIMITS AND MEASUREMENT RESULTS

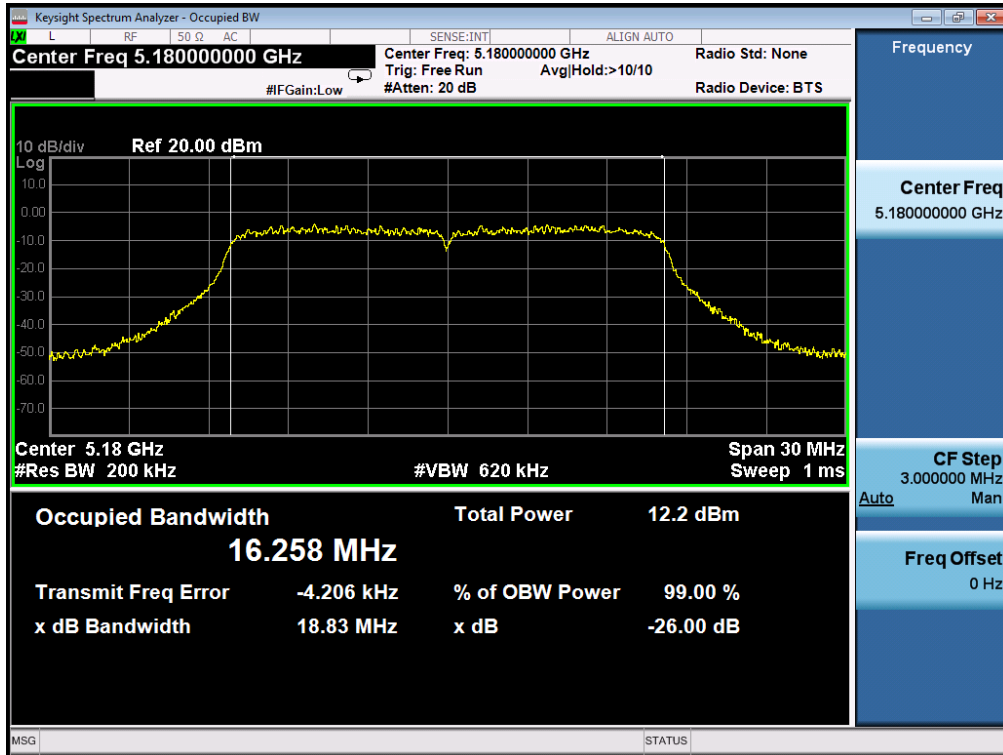
LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
Within the Band	5180MHz	18.83	PASS
	5200MHz	18.64	PASS
	5240MHz	18.61	PASS

LIMITS AND MEASUREMENT RESULT FOR 802.11N20/40 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
Within the Band	5180MHz	19.41	PASS
	5200MHz	19.49	PASS
	5240MHz	19.47	PASS
	5190MHz	39.25	PASS
	5230MHz	38.80	PASS

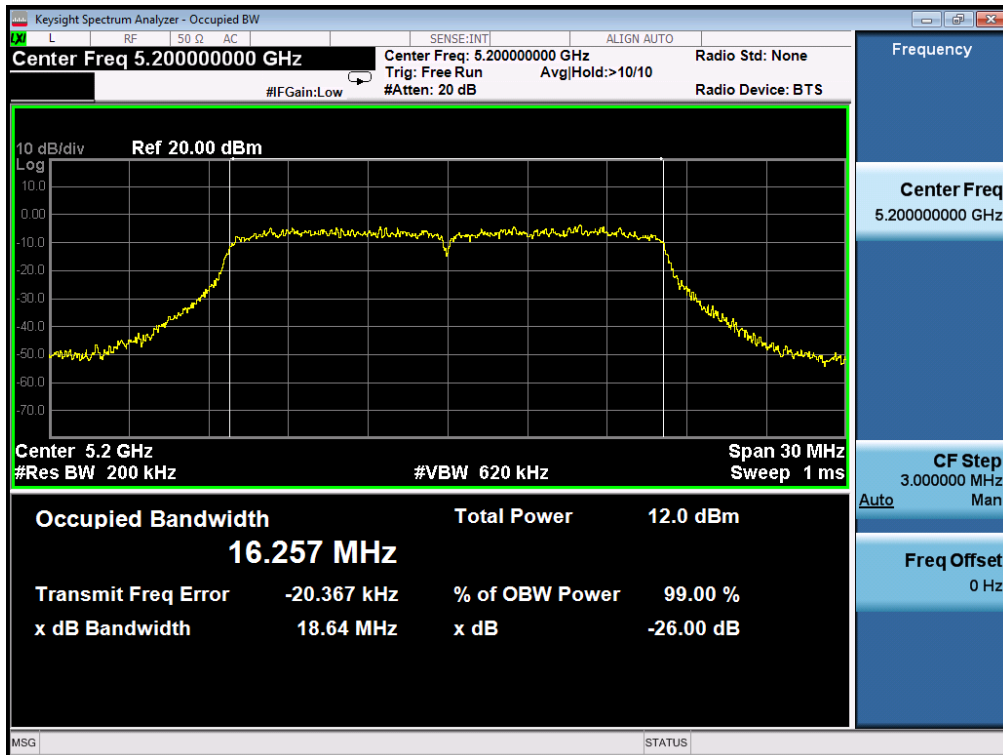
LIMITS AND MEASUREMENT RESULT FOR 802.11AC80 MODULATION			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
Within the Band	5180MHz	18.94	PASS
	5200MHz	18.94	PASS
	5240MHz	18.91	PASS
	5190MHz	38.44	PASS
	5230MHz	38.49	PASS
	5210MHz	79.74	PASS

802.11a20 TEST RESULT

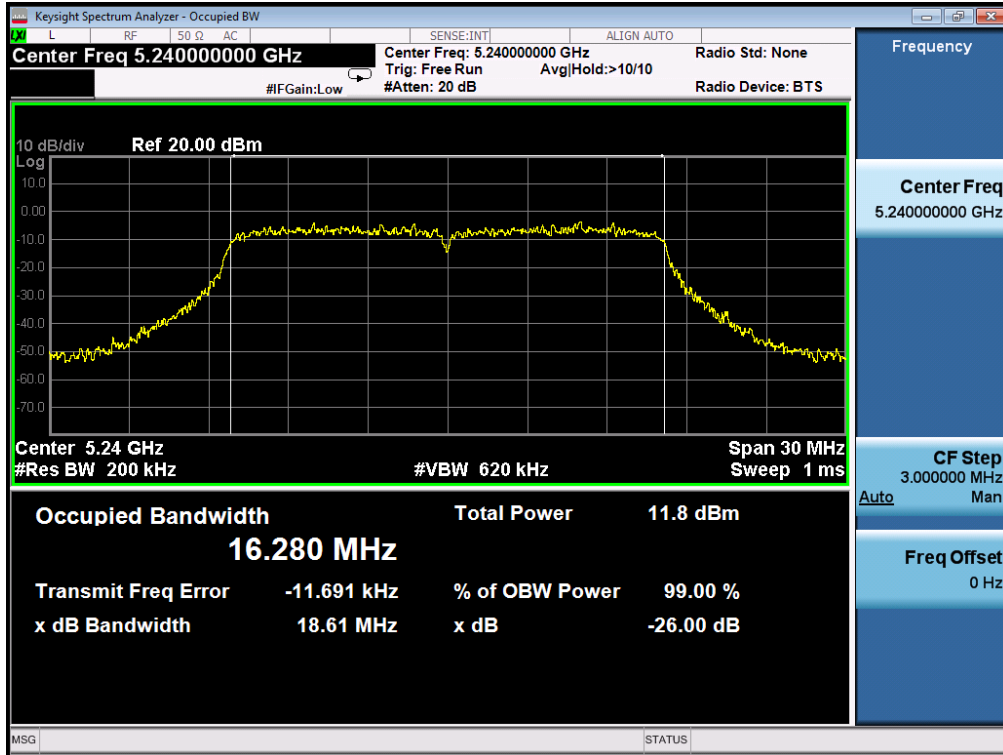
TEST PLOT OF BANDWIDTH FOR 5180MHz



TEST PLOT OF BANDWIDTH FOR 5200MHz

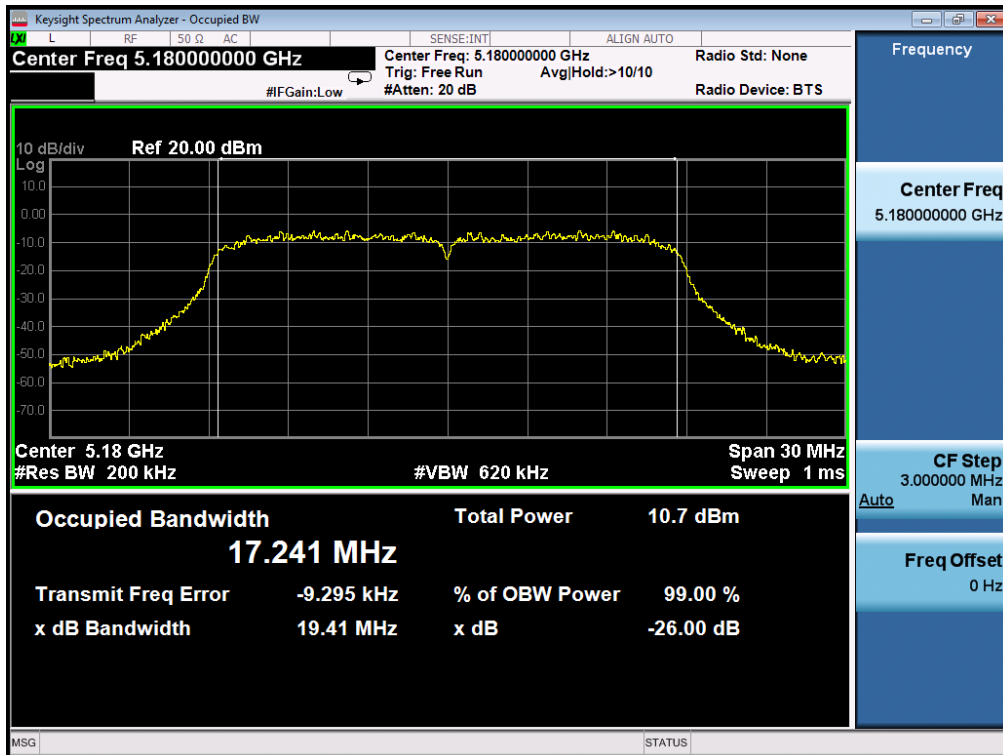


TEST PLOT OF BANDWIDTH FOR 5240MHz

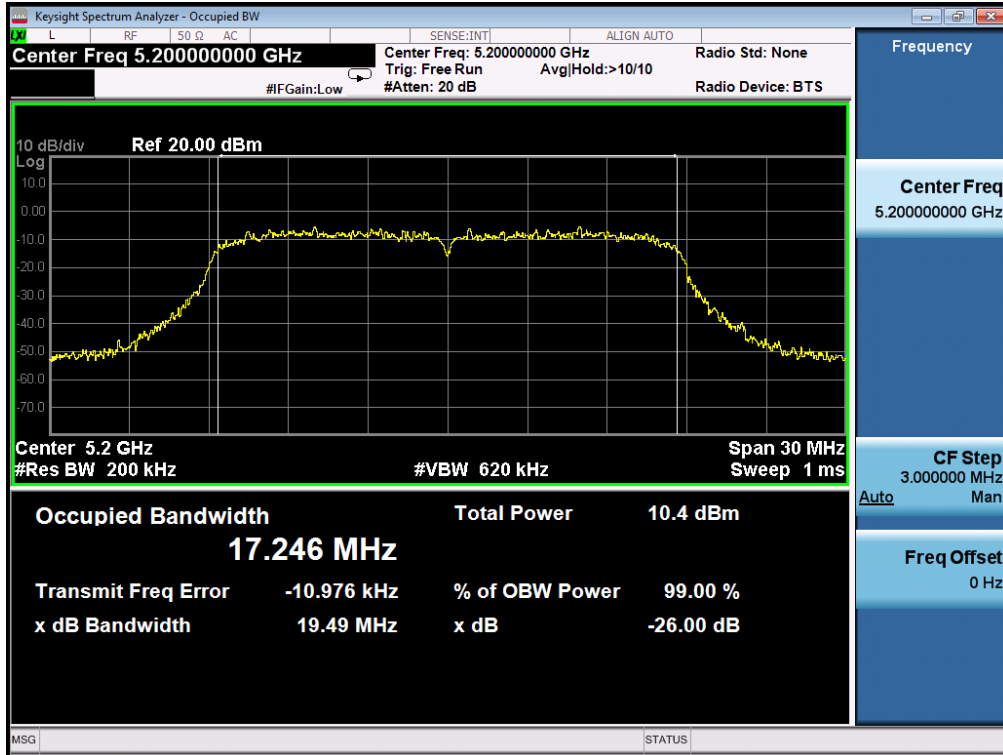


802.11n20 TEST RESULT

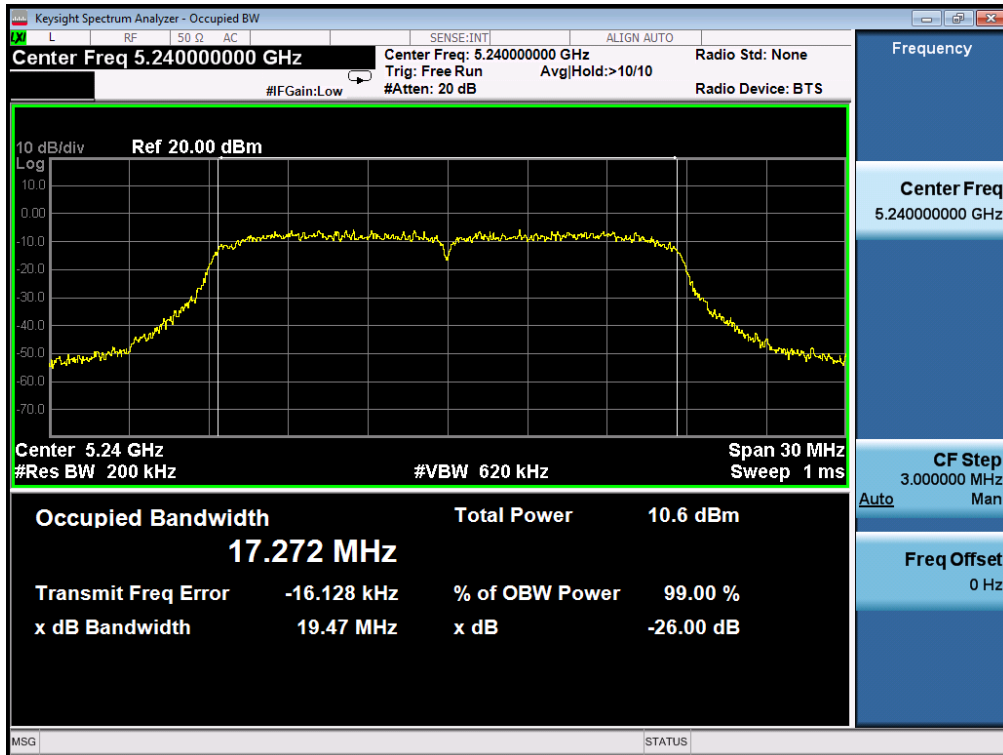
TEST PLOT OF BANDWIDTH FOR 5180MHz



TEST PLOT OF BANDWIDTH FOR 5200MHz

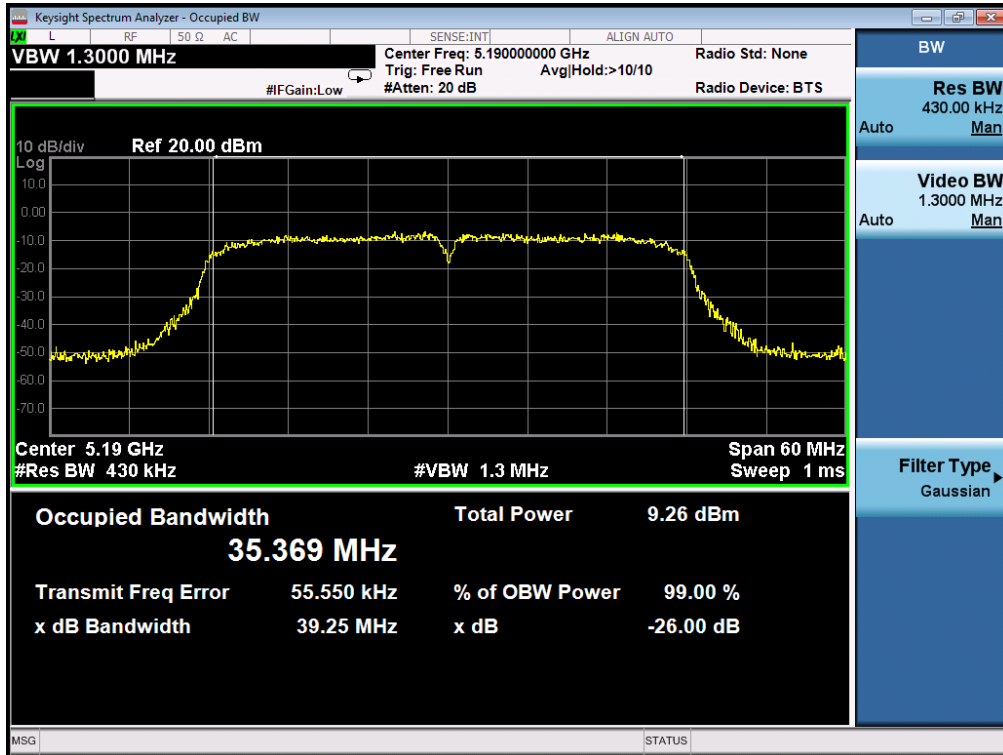


TEST PLOT OF BANDWIDTH FOR 5240MHz

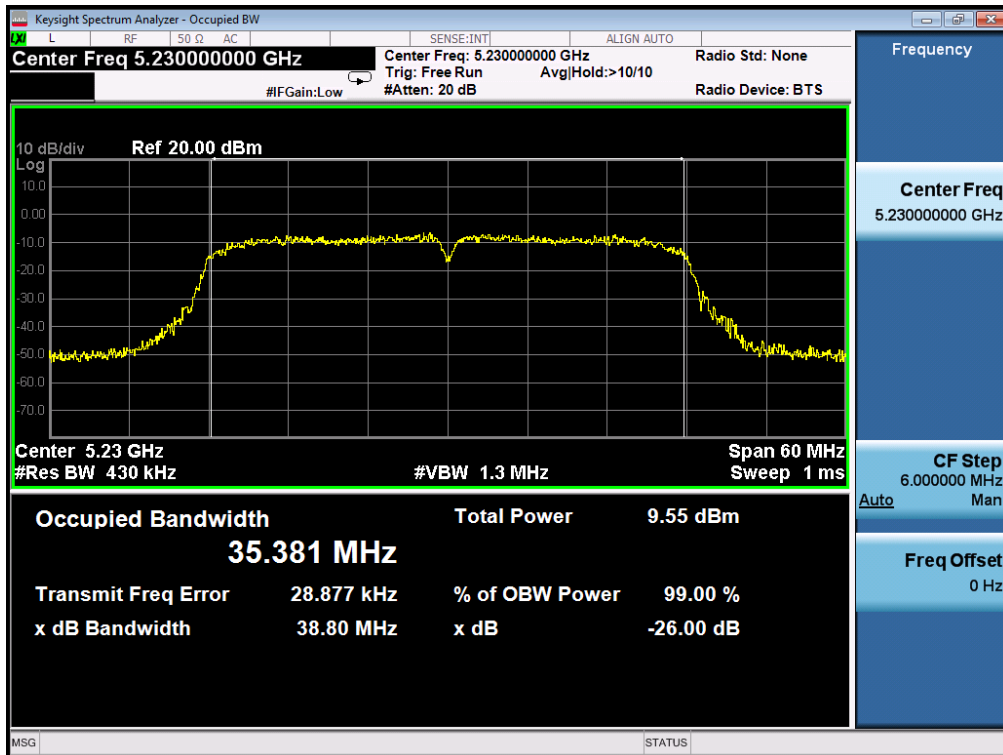


802.11n40 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5190MHz

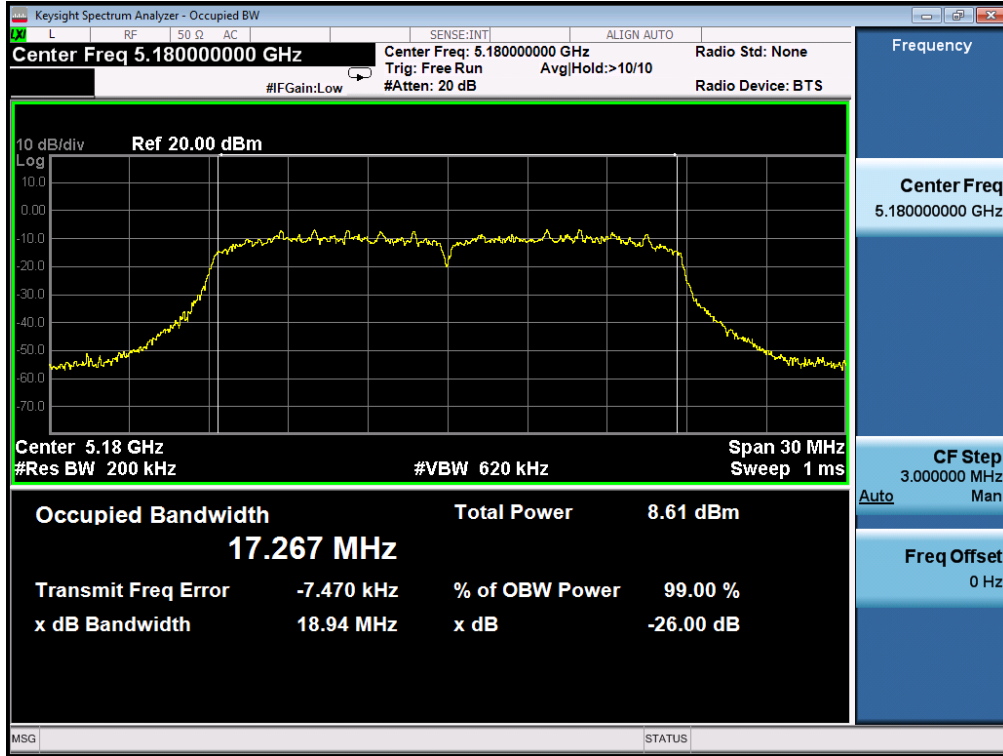


TEST PLOT OF BANDWIDTH FOR 5230MHz

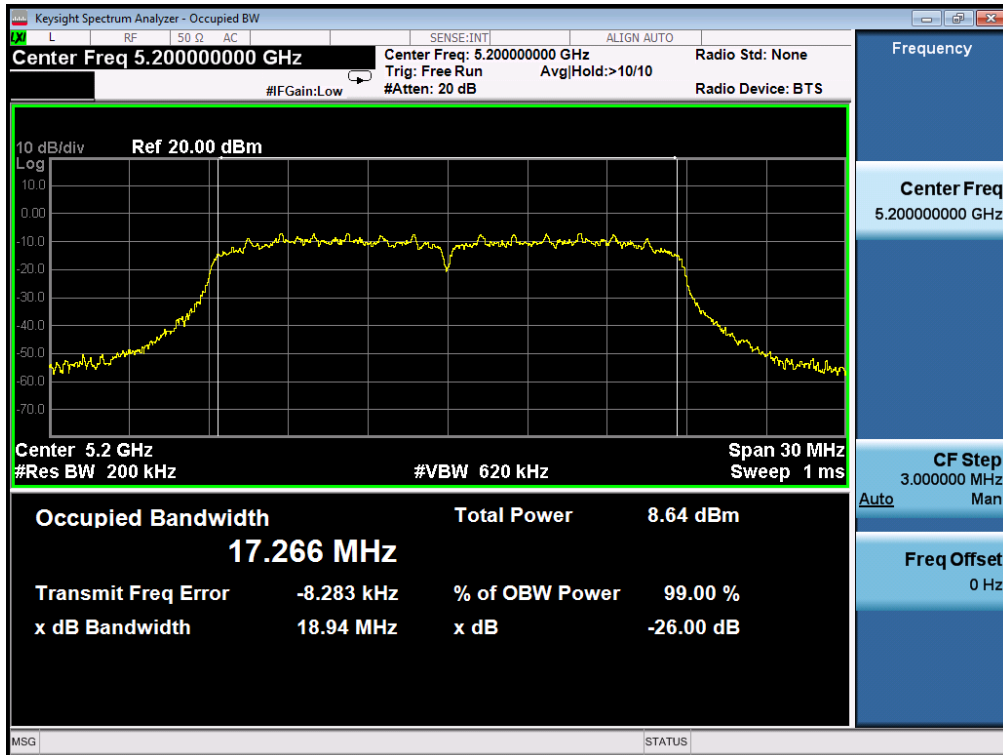


802.11ac20 TEST RESULT

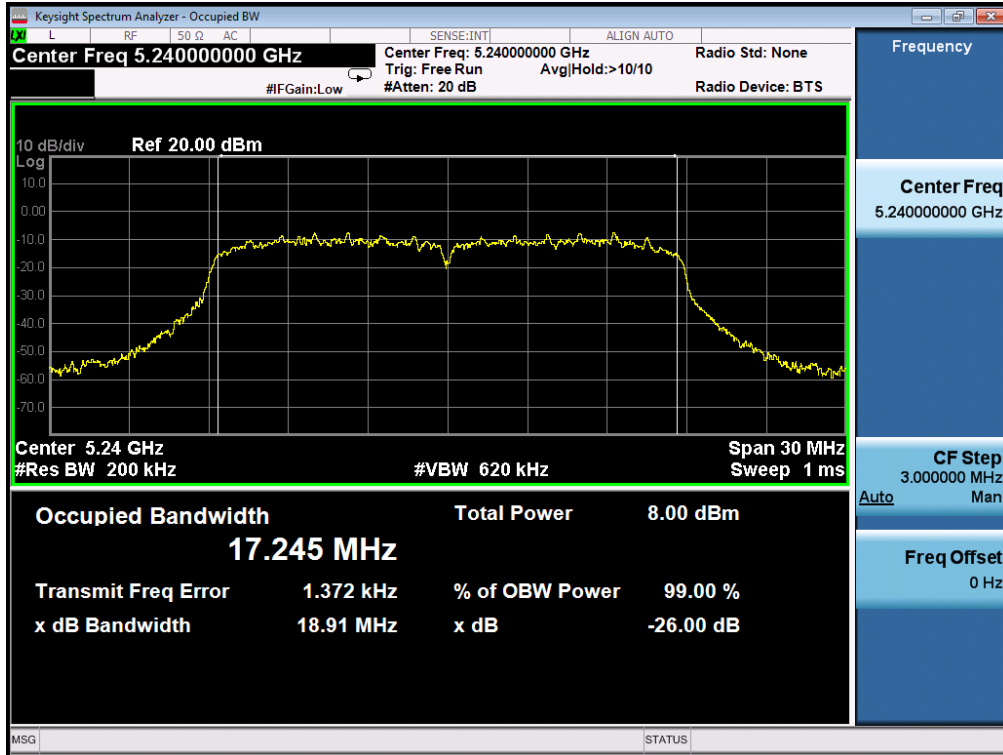
TEST PLOT OF BANDWIDTH FOR 5180MHz



TEST PLOT OF BANDWIDTH FOR 5200MHz

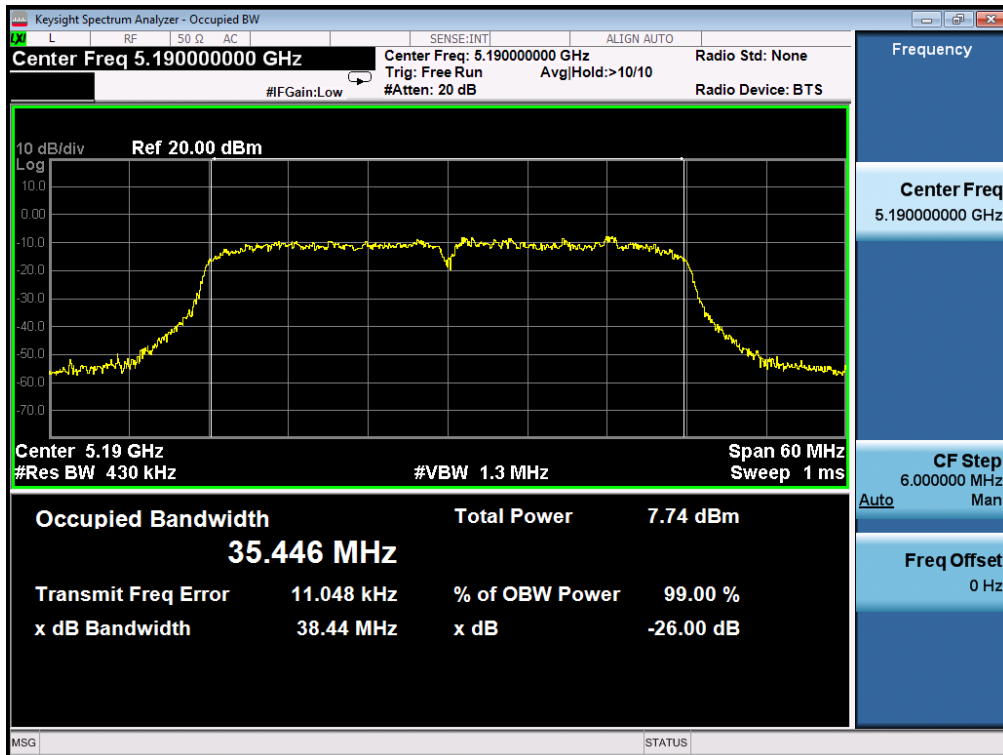


TEST PLOT OF BANDWIDTH FOR 5240MHz

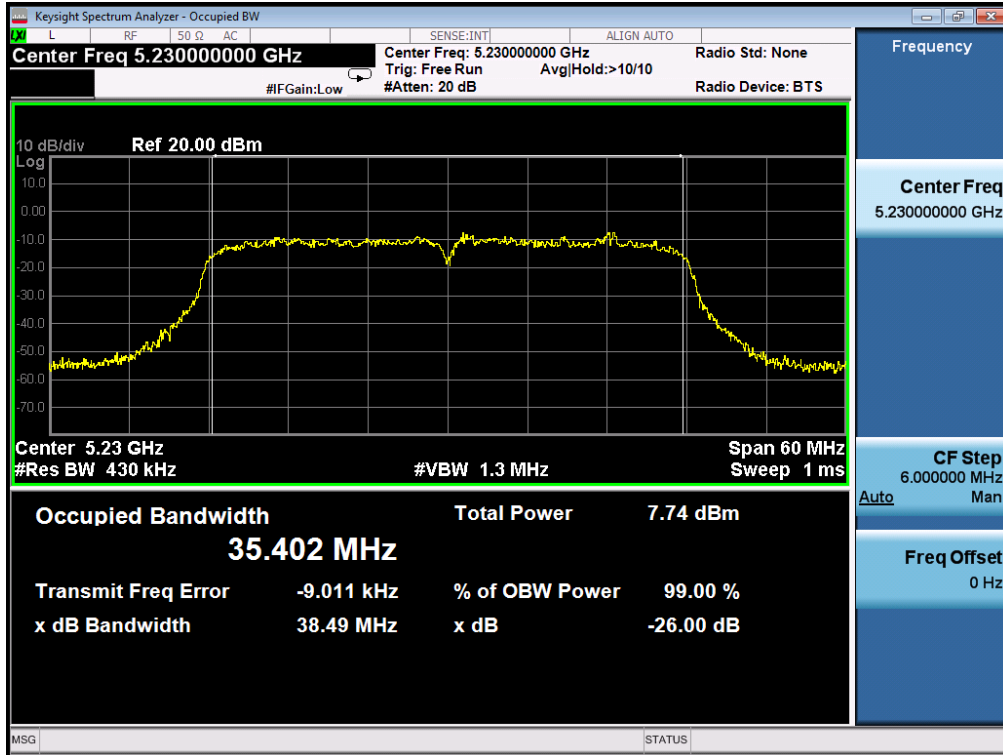


802.11ac40 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5190MHz

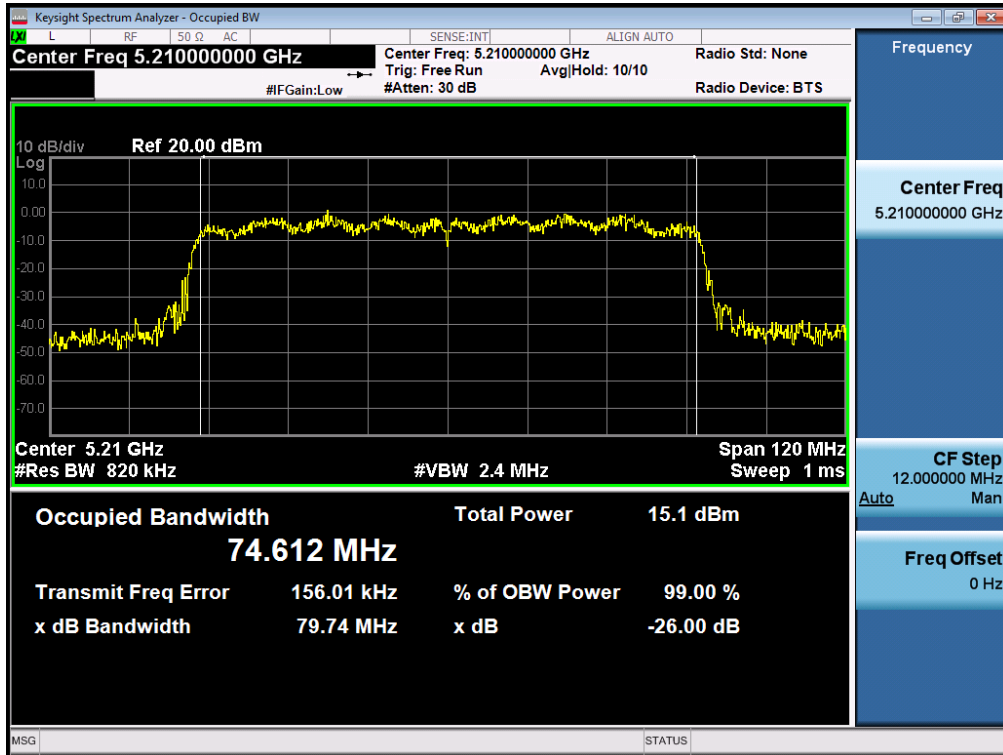


TEST PLOT OF BANDWIDTH FOR 5230MHz



802.11ac80 TEST RESULT

TEST PLOT OF BANDWIDTH FOR 5210MHz



7. MAXIMUM CONDUCTED OUTPUT PEAK POWER SPECTRAL DENSITY

7.1 MEASUREMENT PROCEDURE

Refer to KDB 789033 section F

7.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 8.2.

7.3 MEASUREMENT EQUIPMENT USED

Refer To Section 6.

7.4 LIMITS AND MEASUREMENT RESULT

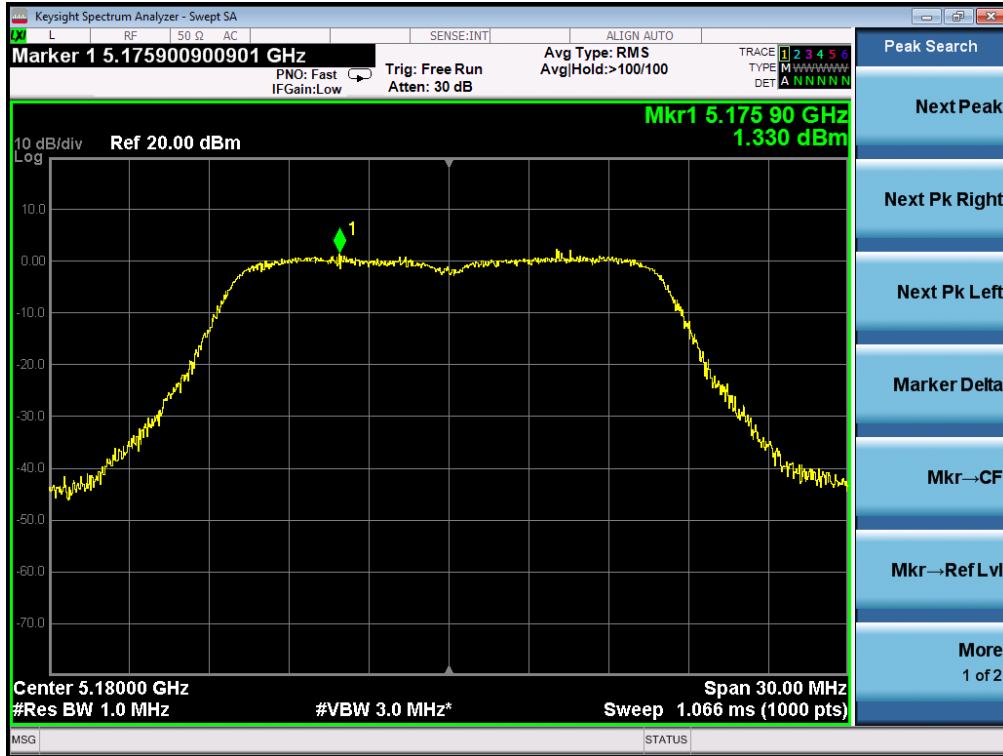
LIMITS AND MEASUREMENT RESULT FOR 802.11A20 MODULATION			
Freq (MHz)	Power density (dBm/MHz)	Applicable Limits (dBm)	Pass or Fail
5180	1.330	11	Pass
5200	1.493	11	Pass
5240	1.644	11	Pass
Freq (MHz)	Power density (dBm/500kHz)	Applicable Limits (dBm)	Pass or Fail
5745	-0.579	30	Pass
5785	-0.807	30	Pass
5825	-0.496	30	Pass

LIMITS AND MEASUREMENT RESULT FOR 802.11N20/40 MODULATION							
Freq (MHz)	Power density Chain 0 (dBm/MHz)	Power density Chain 1 (dBm/MHz)	Power density Chain 2 (dBm/MHz)	Power density Chain 3 (dBm/MHz)	Power density Total (dBm/MHz)	Limits (dBm)	Pass or Fail
5180	-3.647	-3.740	-3.438	-3.333	2.484	11	Pass
5200	-3.728	-2.901	-3.639	-3.605	2.565	11	Pass
5240	-3.087	-4.372	-3.916	-4.043	2.193	11	Pass
5190	-5.218	-7.266	-6.948	-6.450	-0.377	11	Pass
5230	-5.915	-6.834	-6.002	-6.442	-0.262	11	Pass
Freq (MHz)	Power density Chain 0 (dBm/500kHz)	Power density Chain 1 (dBm/500kHz)	Power density Chain 2 (dBm/500kHz)	Power density Chain 3 (dBm/500kHz)	Power density Total (dBm/500kHz)	Limits (dBm)	Pass or Fail
5745	-5.848	-5.352	-5.363	-5.474	0.516	30	Pass
5785	-6.035	-6.341	-6.468	-6.541	-0.321	30	Pass
5825	-6.563	-6.381	-6.330	-6.230	-0.354	30	Pass
5755	-7.088	-7.401	-7.251	-7.483	-1.283	30	Pass
5795	-7.372	-6.975	-7.067	-7.230	-1.138	30	Pass

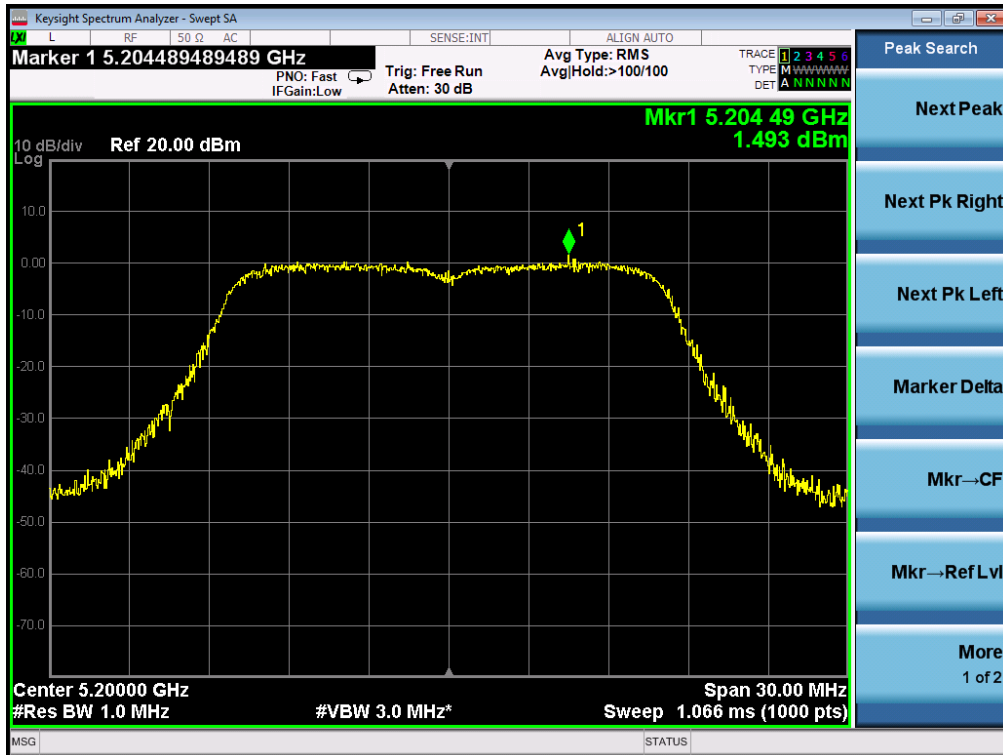
LIMITS AND MEASUREMENT RESULT FOR 802.11AC20/40/80 MODULATION							
Freq (MHz)	Power density Chain 0 (dBm/MHz)	Power density Chain 1 (dBm/MHz)	Power density Chain 2 (dBm/MHz)	Power density Chain 3 (dBm/MHz)	Power density Total (dBm/MHz)	Limits (dBm)	Pass or Fail
5180	-4.854	-5.193	-4.941	-4.955	1.037	11	Pass
5200	-4.416	-4.673	-4.919	-5.037	1.266	11	Pass
5240	-4.211	-4.035	-4.386	-4.286	1.793	11	Pass
5190	-6.673	-6.637	-6.746	-7.146	-0.775	11	Pass
5230	-5.975	-5.897	-6.036	-5.649	0.134	11	Pass
5210	-7.790	-7.401	-8.549	-8.851	-2.089	11	Pass
Freq (MHz)	Power density Chain 0 (dBm/500kHz)	Power density Chain 1 (dBm/500kHz)	Power density Chain 2 (dBm/500kHz)	Power density Chain 3 (dBm/500kHz)	Power density Total (dBm/500kHz)	Limits (dBm)	Pass or Fail
5745	-6.864	-7.106	-7.271	-6.674	-0.952	30	Pass
5785	-6.440	-6.688	-6.666	-6.919	-0.654	30	Pass
5825	-6.722	-6.707	-6.975	-6.965	-0.820	30	Pass
5755	-7.852	-8.159	-7.801	-8.642	-2.080	30	Pass
5795	-8.520	-8.721	-8.958	-8.916	-2.755	30	Pass
5775	-10.738	-9.781	-10.725	-10.166	-4.313	30	Pass

802.11a20 TEST RESULT

TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz



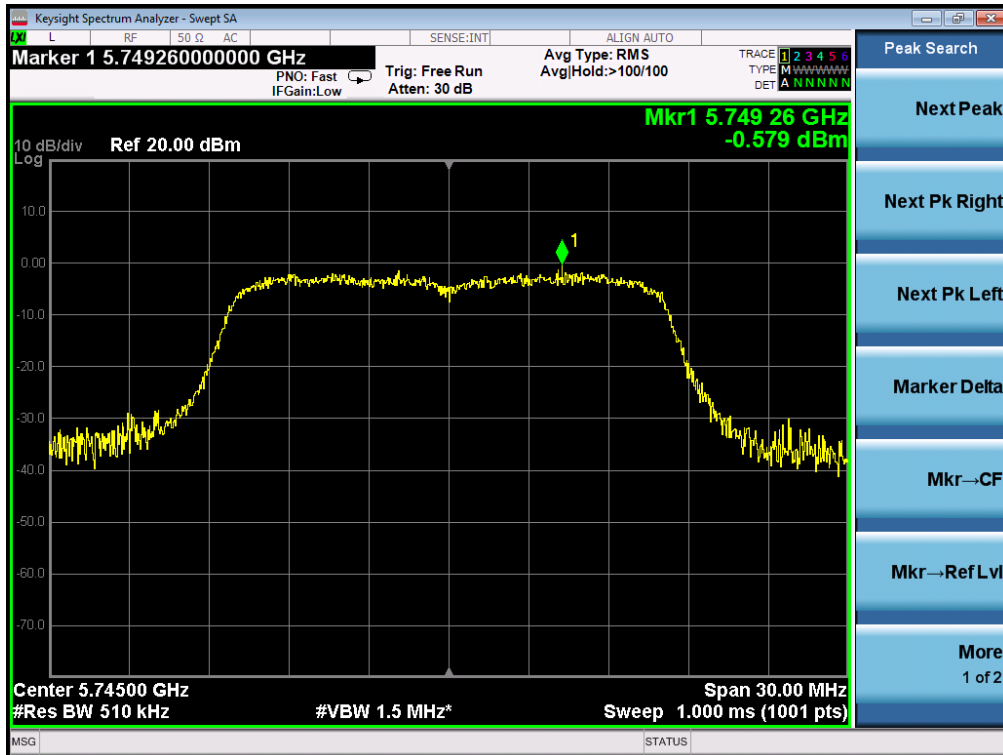
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz



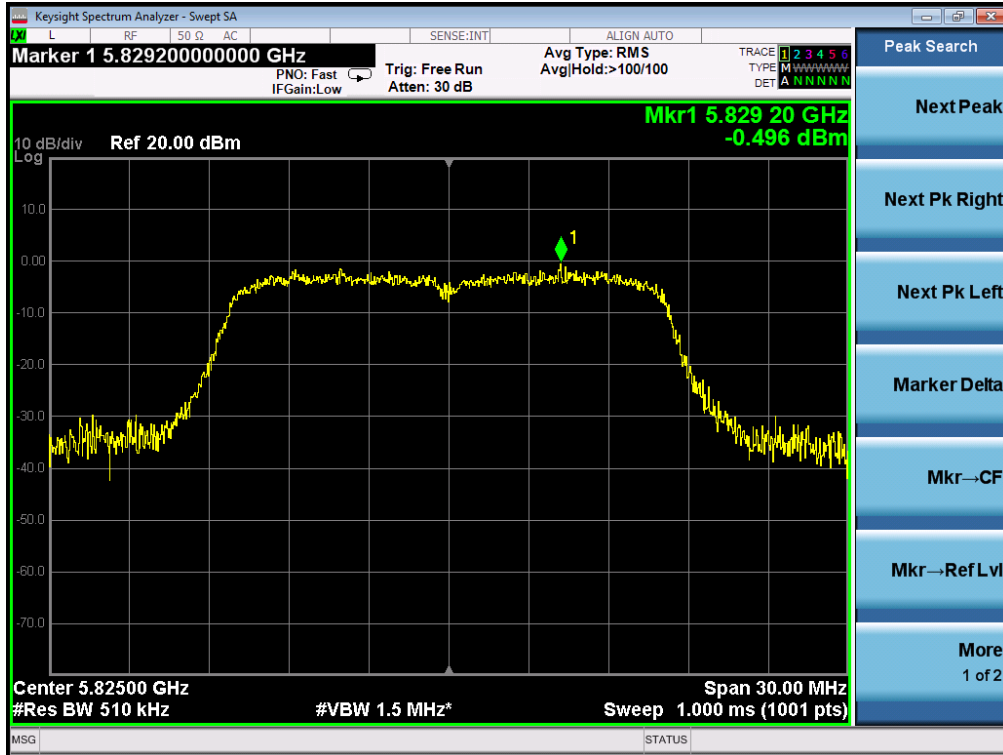
TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5785MHz



TEST PLOT OF SPECTRAL DENSITY FOR 5825MHz

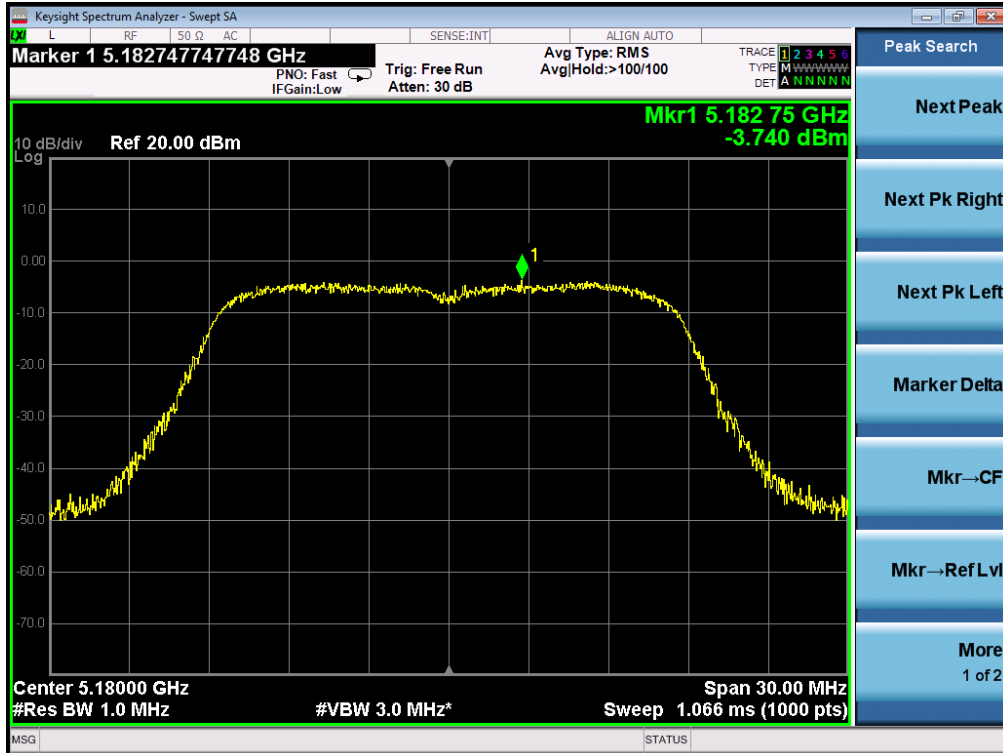


802.11n20 TEST RESULT

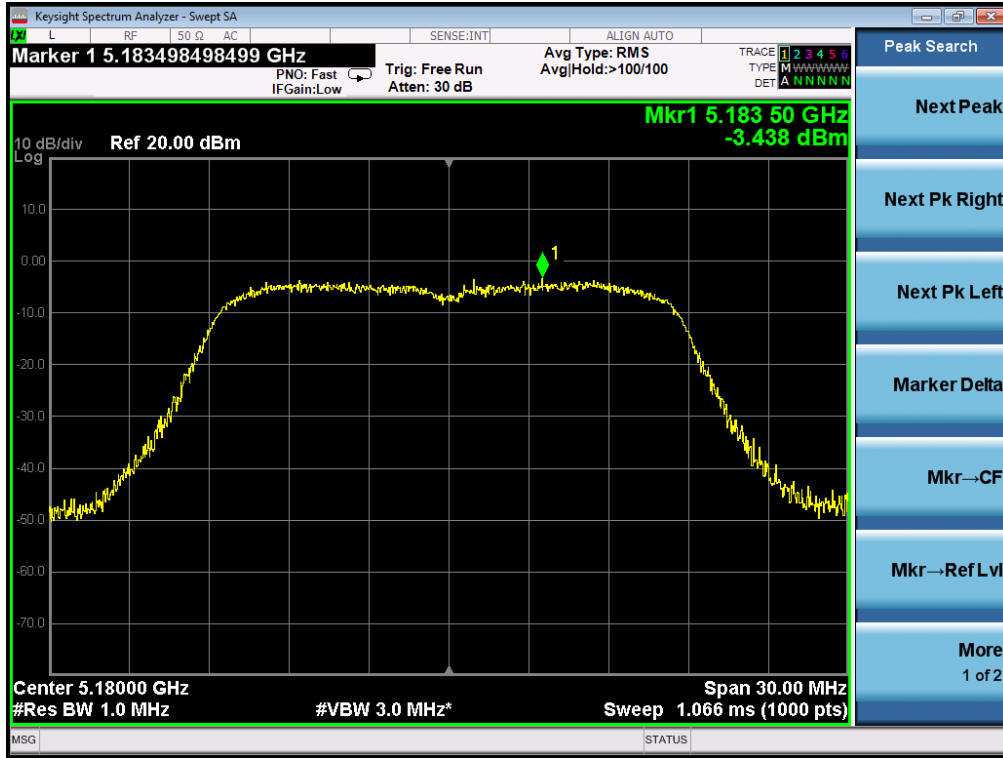
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 0



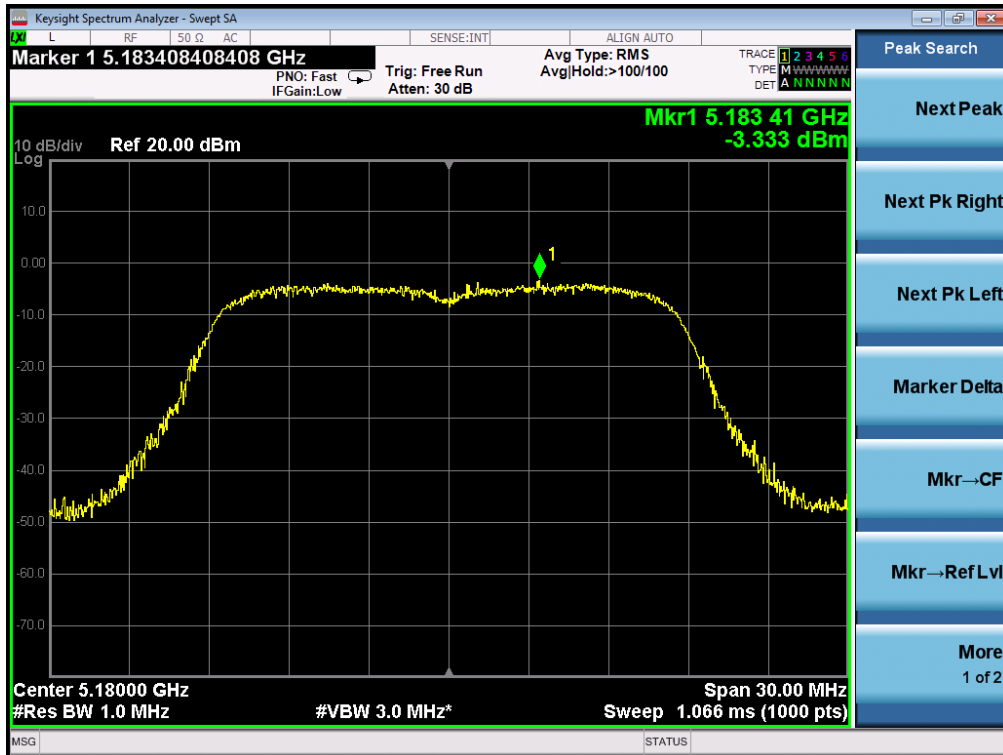
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 1



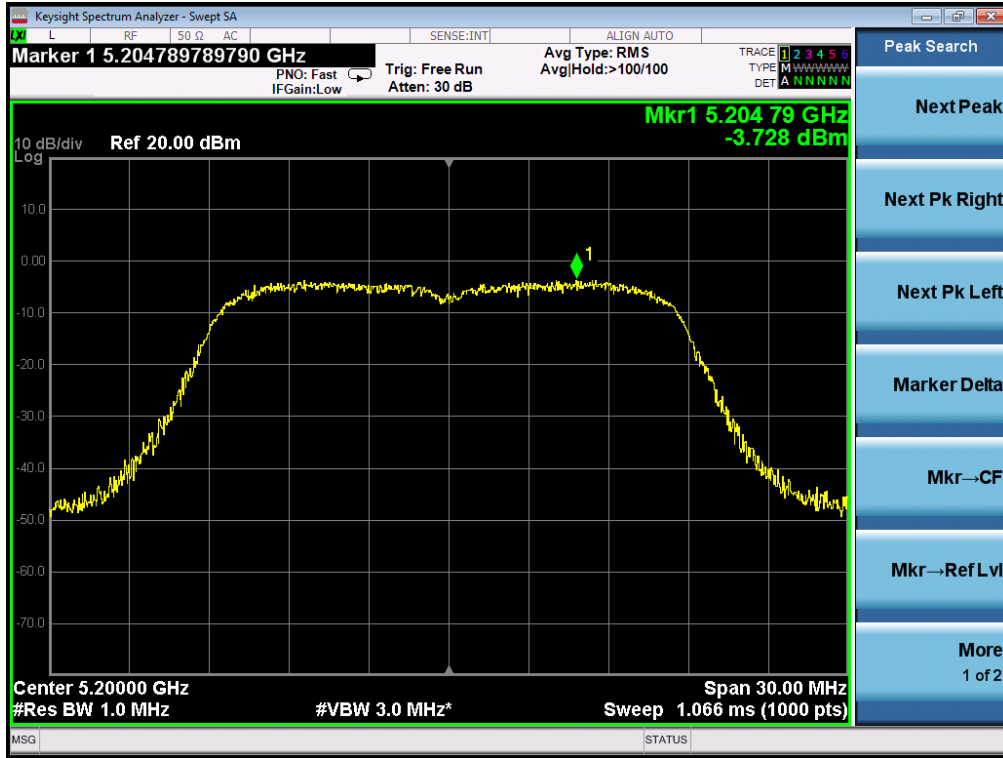
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 2



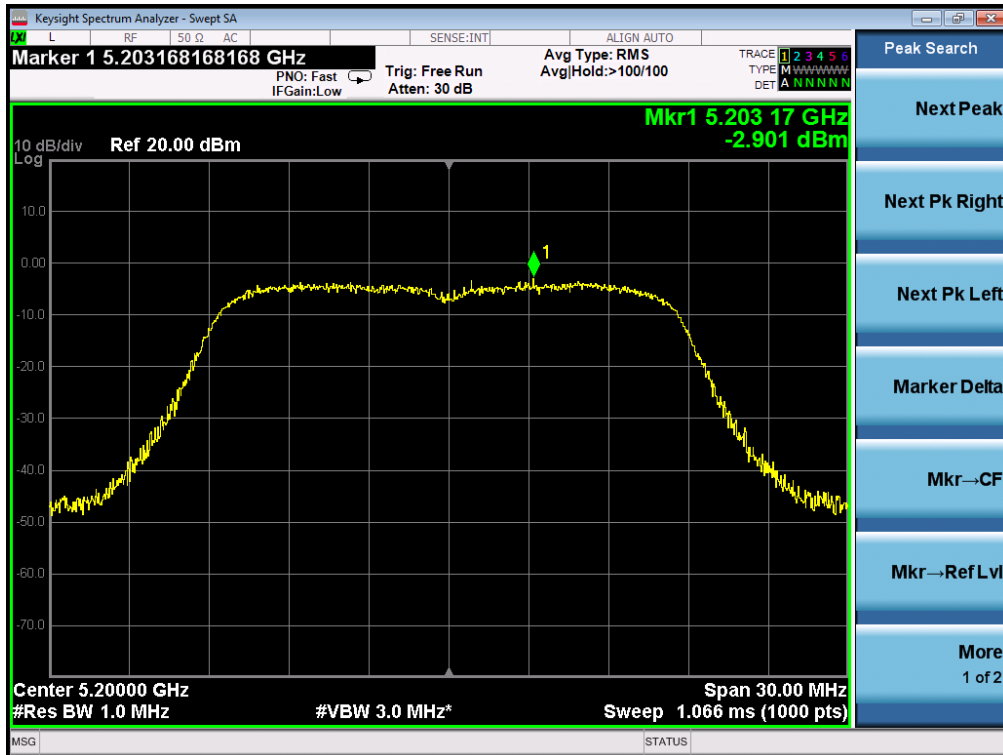
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 3



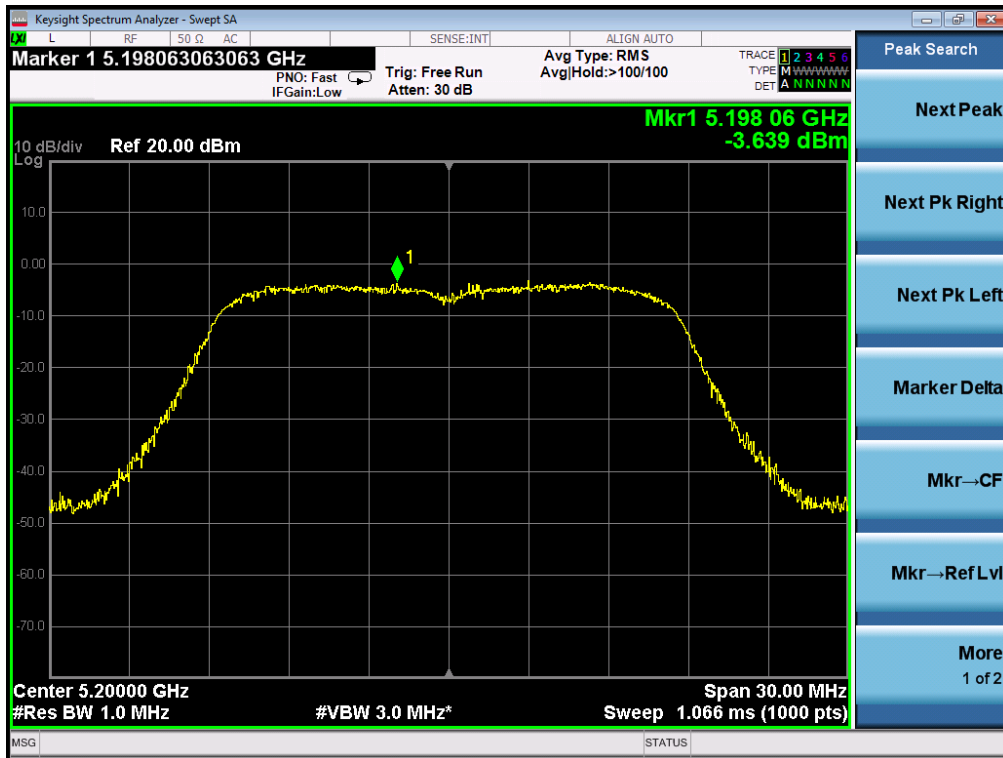
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 0



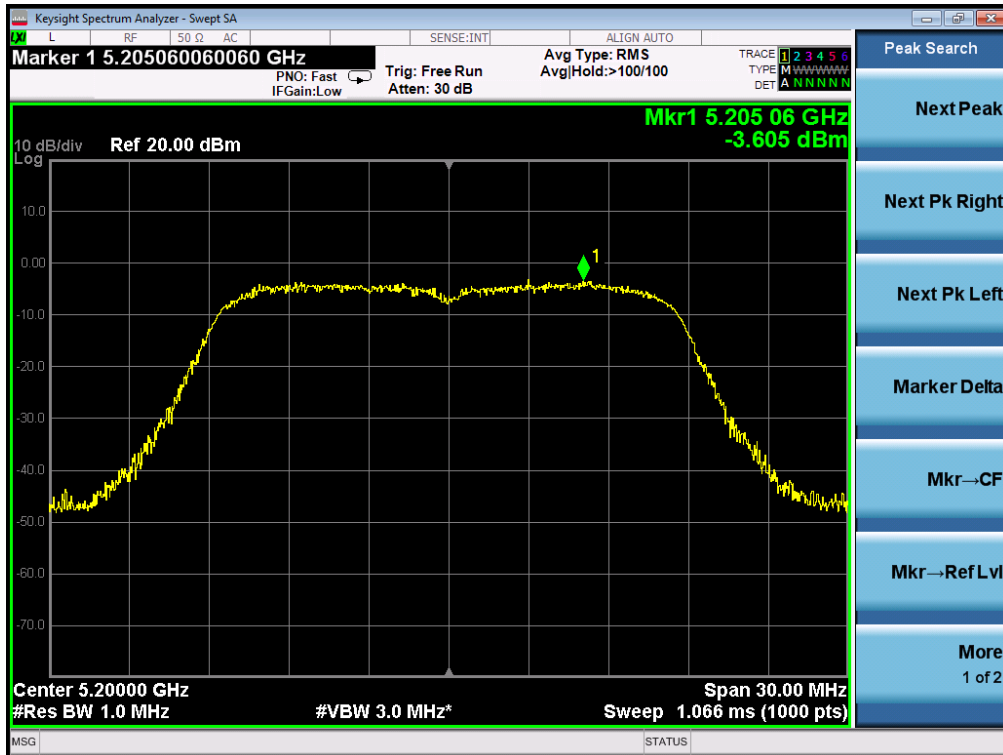
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 1



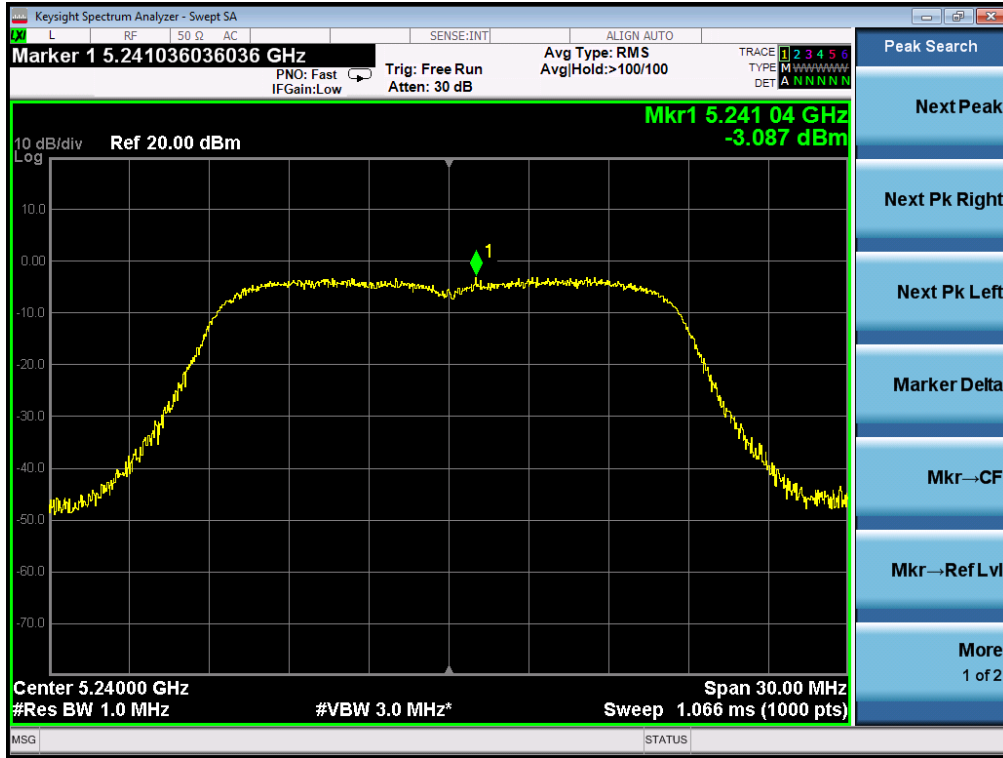
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 2



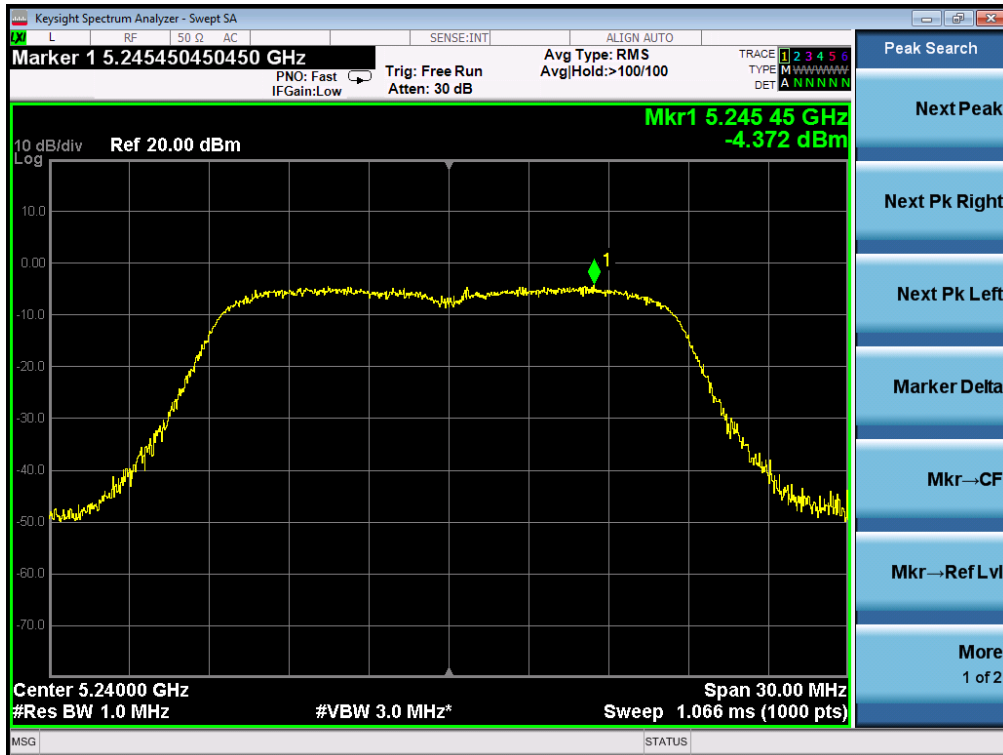
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 3



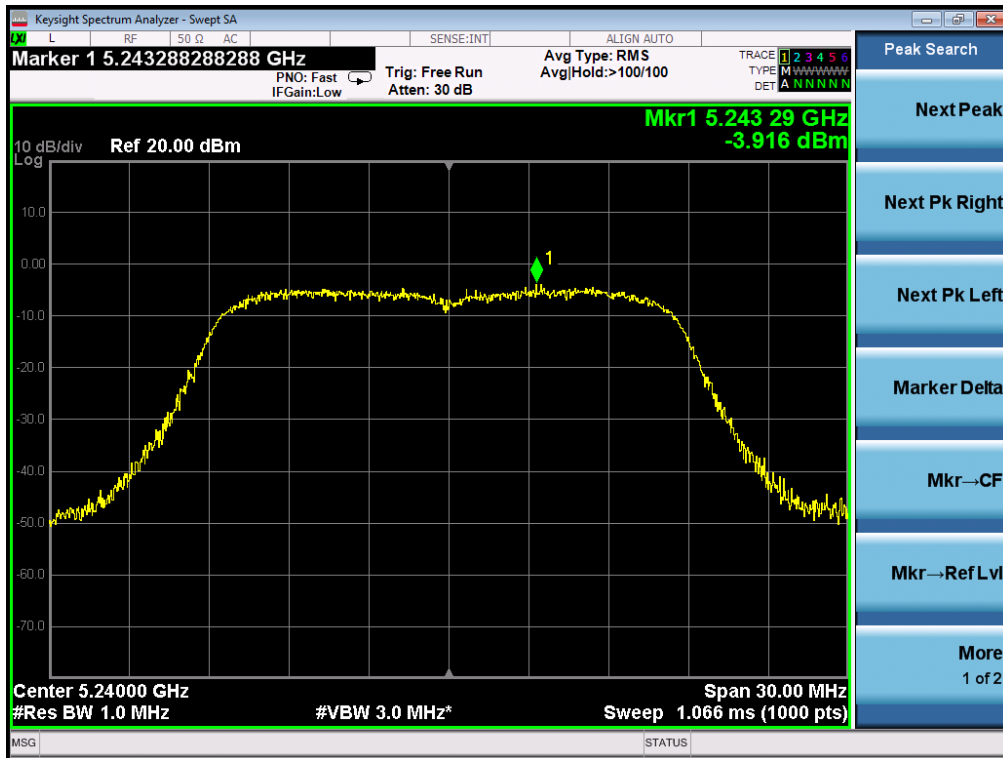
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 0



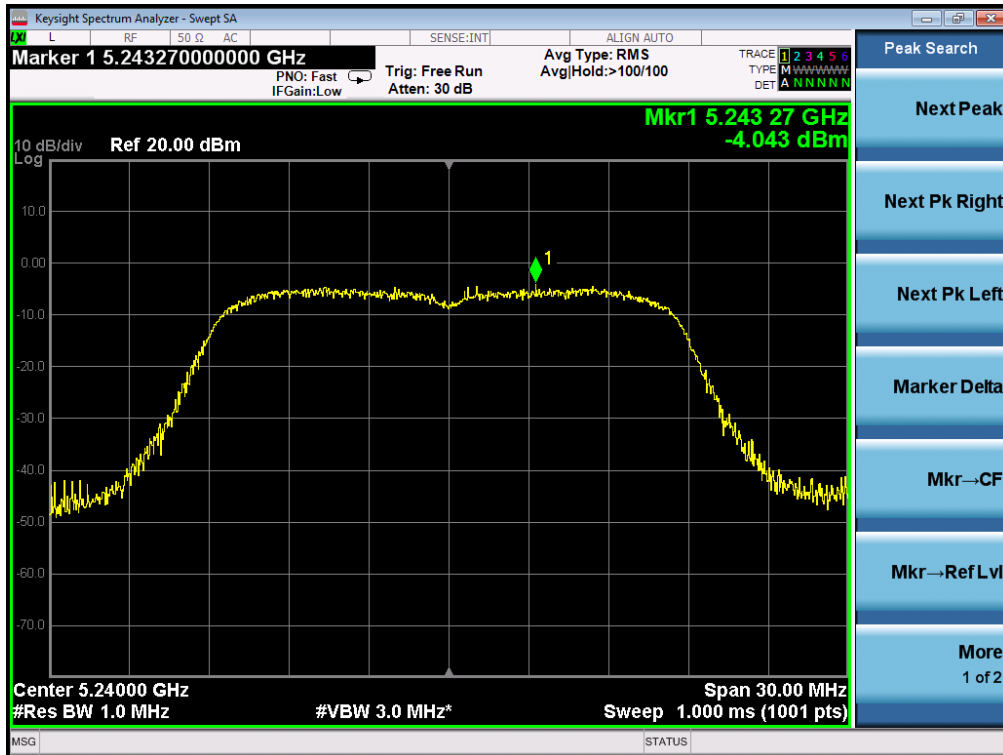
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 1



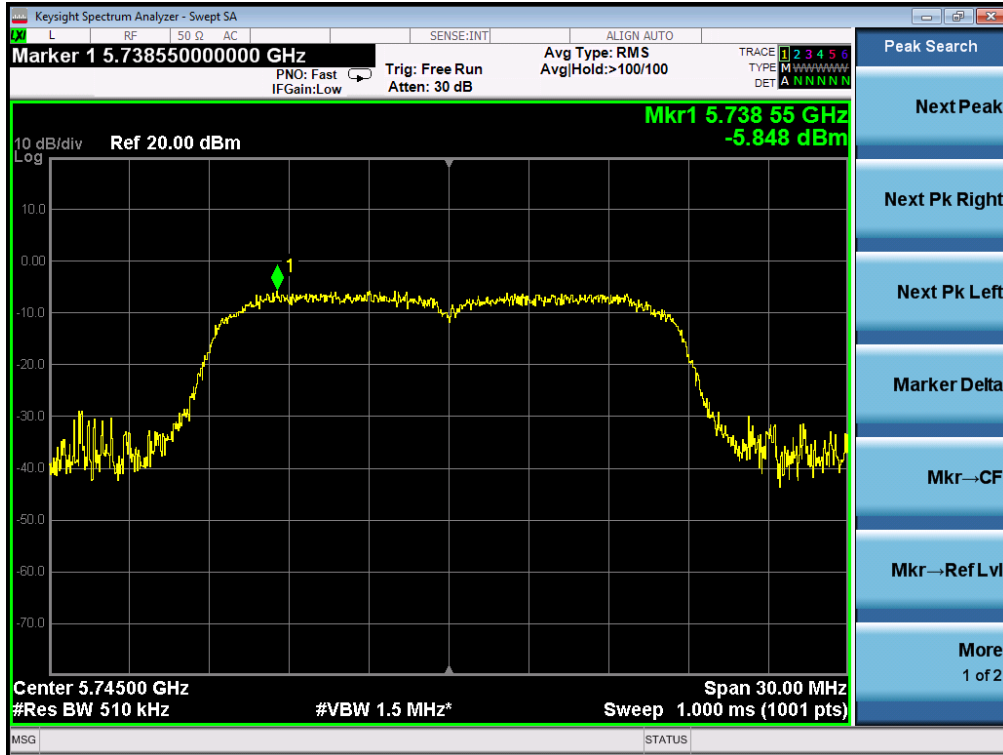
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 2



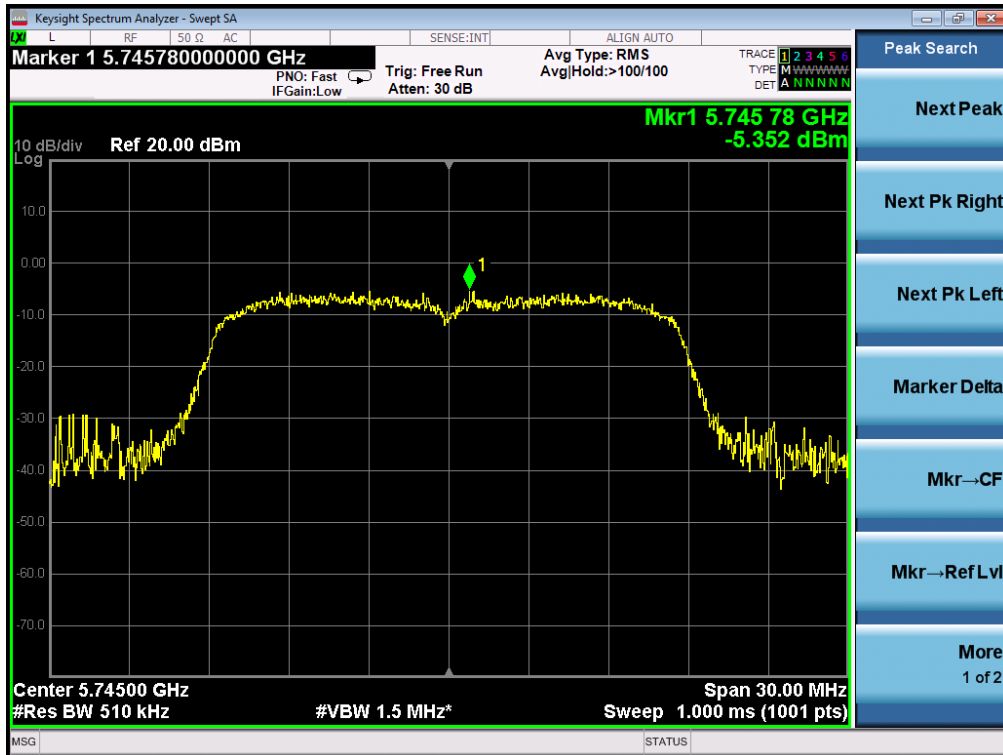
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 3



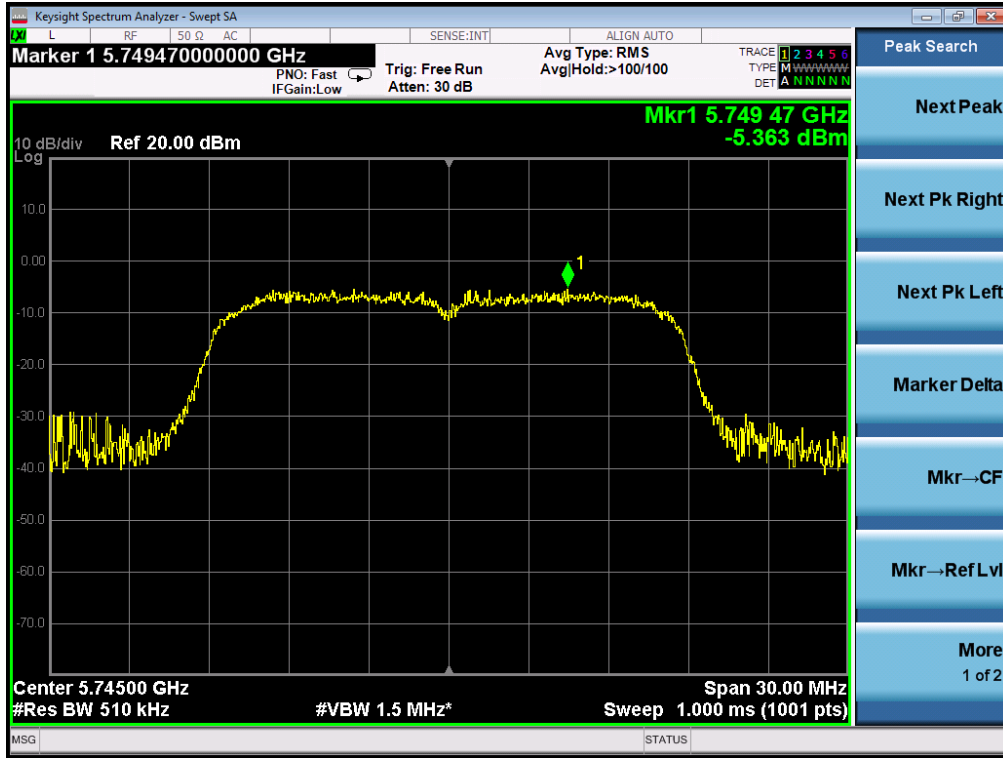
TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 0



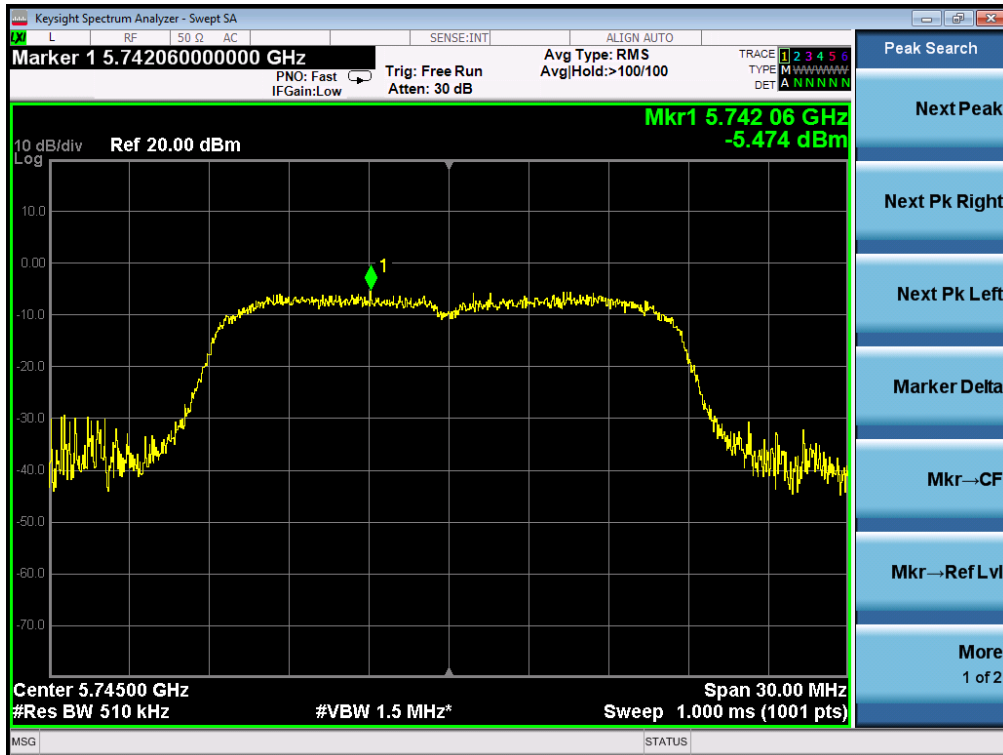
TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 1



TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 2



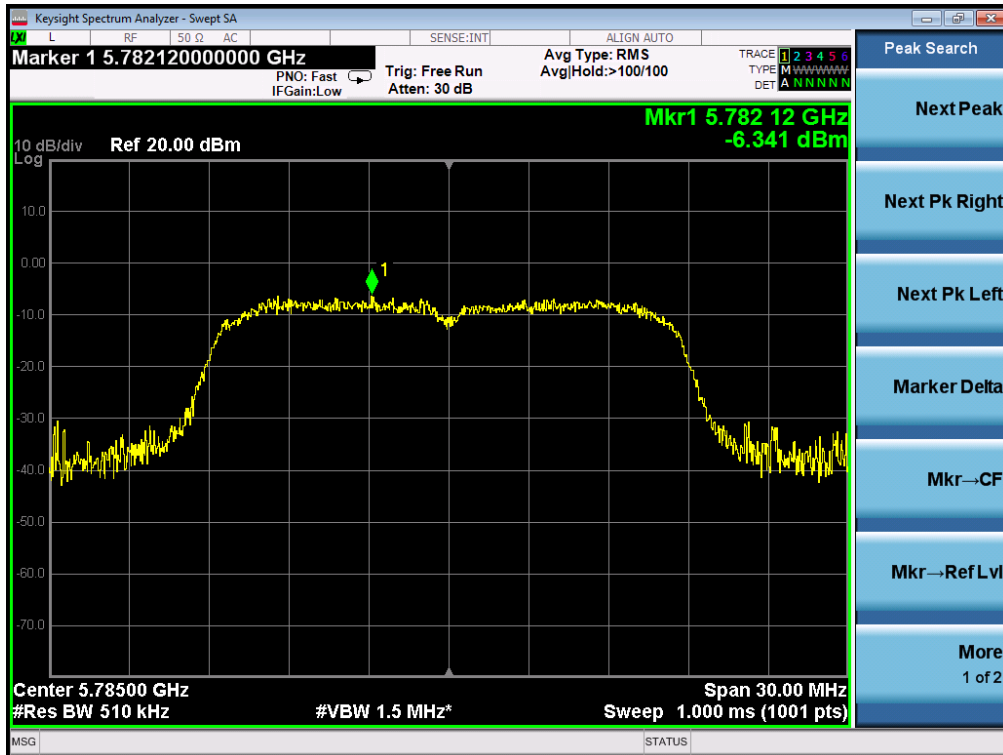
TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 3



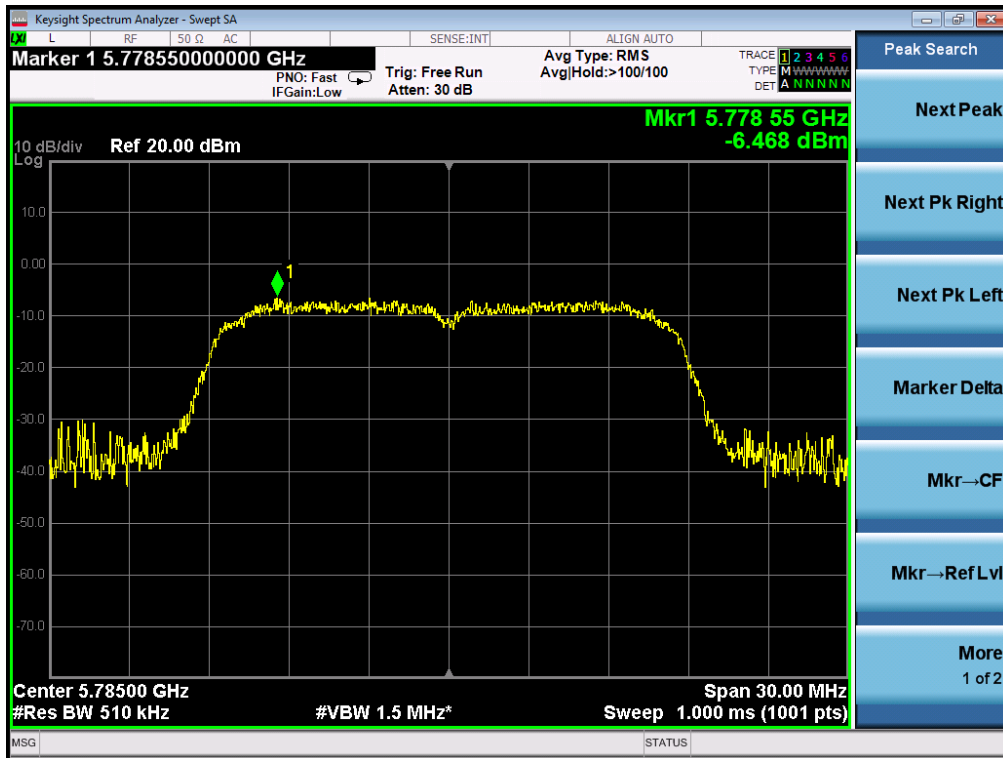
TEST PLOT OF SPECTRAL DENSITY FOR 5785MHz AT CHAIN 0



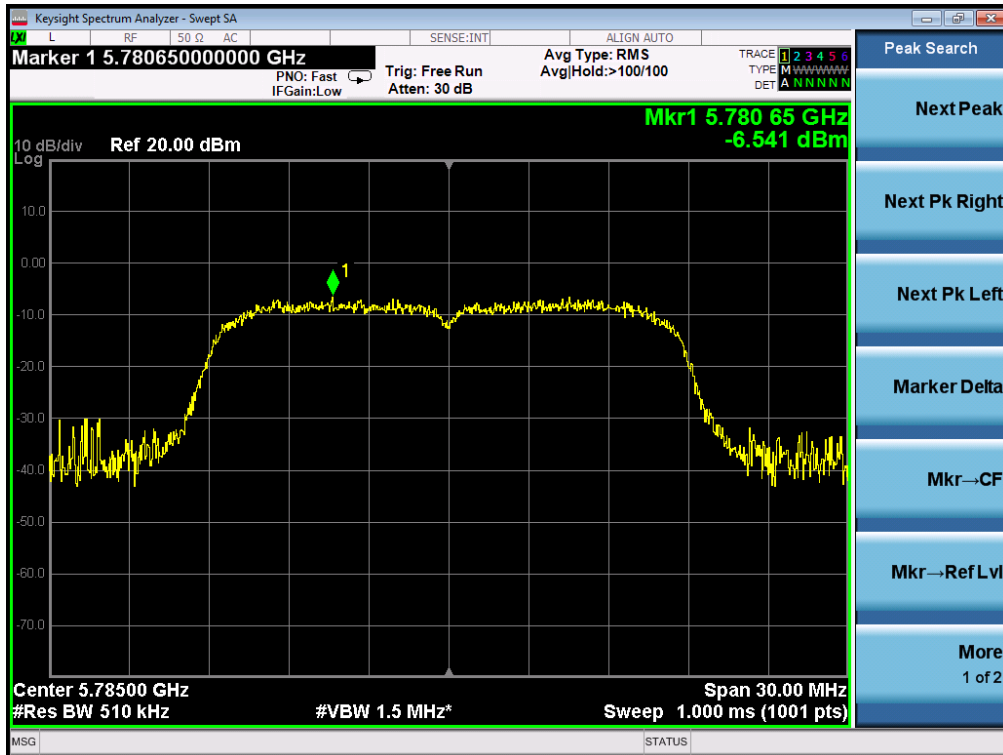
TEST PLOT OF SPECTRAL DENSITY FOR 5785MHz AT CHAIN 1



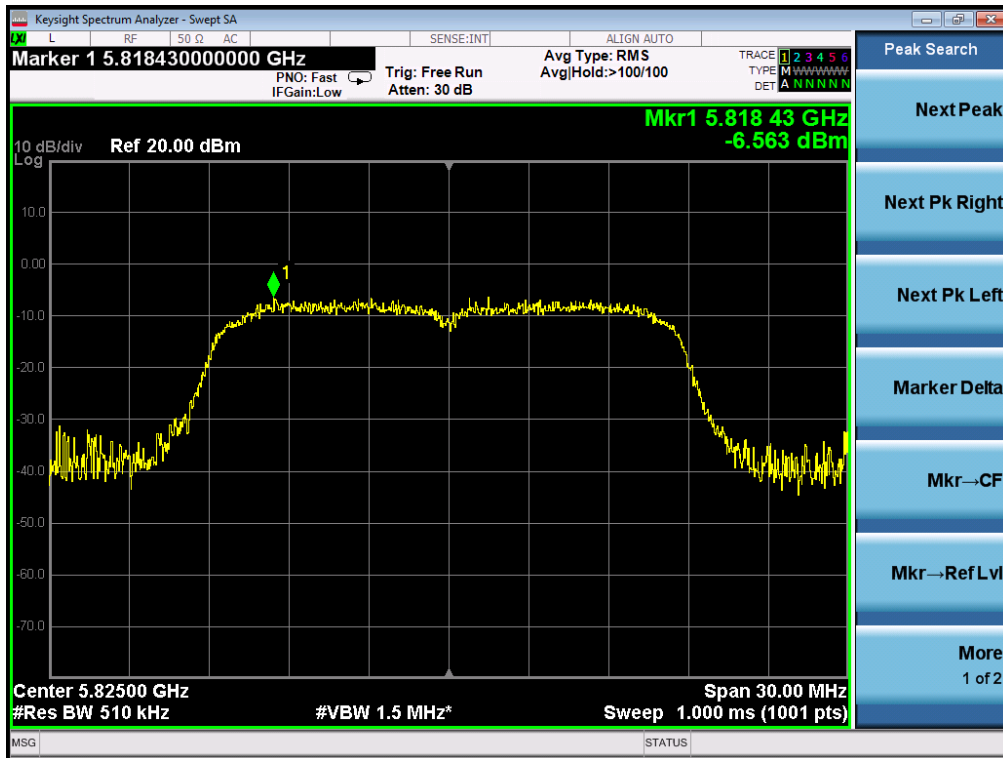
TEST PLOT OF SPECTRAL DENSITY FOR 5785MHz AT CHAIN 2



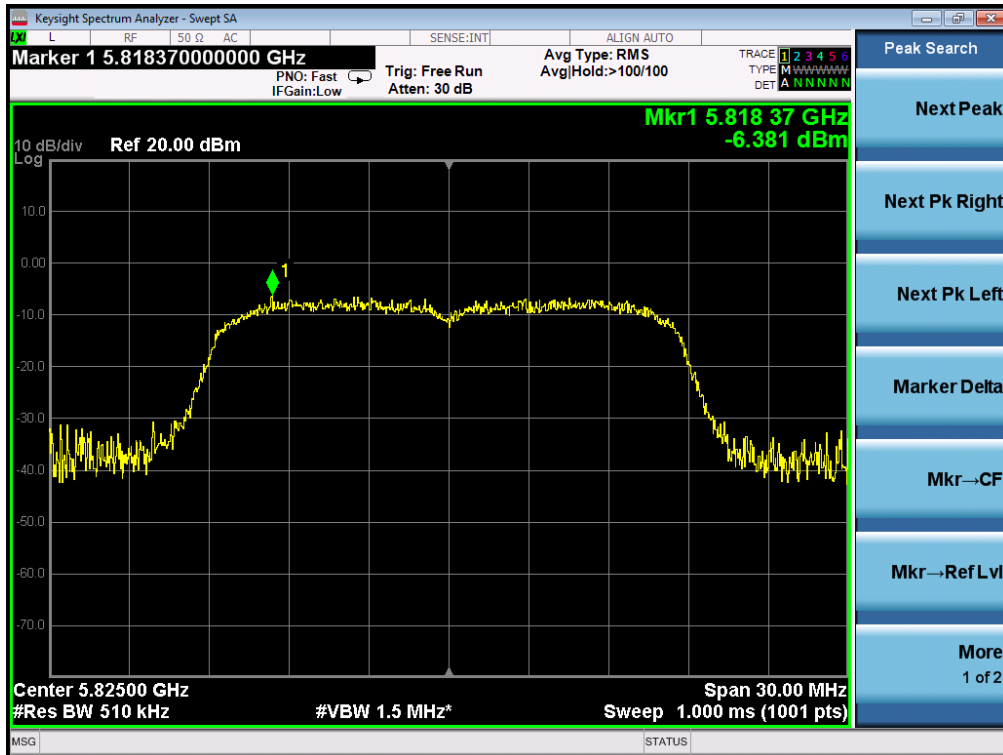
TEST PLOT OF SPECTRAL DENSITY FOR 5785MHz AT CHAIN 3



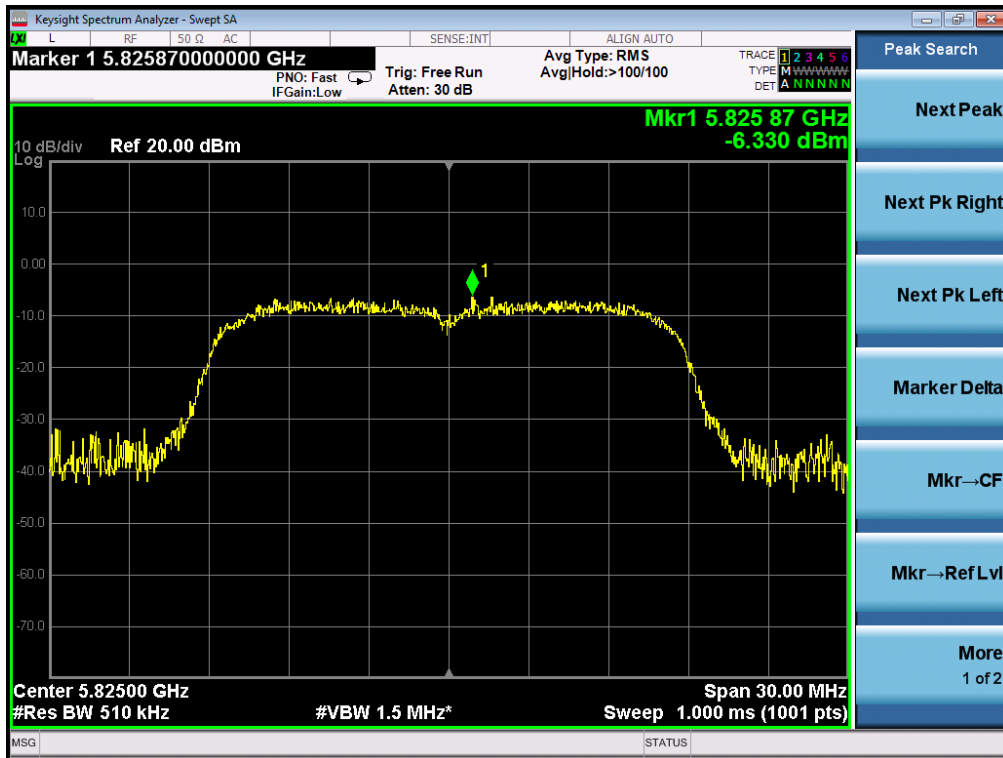
TEST PLOT OF SPECTRAL DENSITY FOR 5825MHz AT CHAIN 0



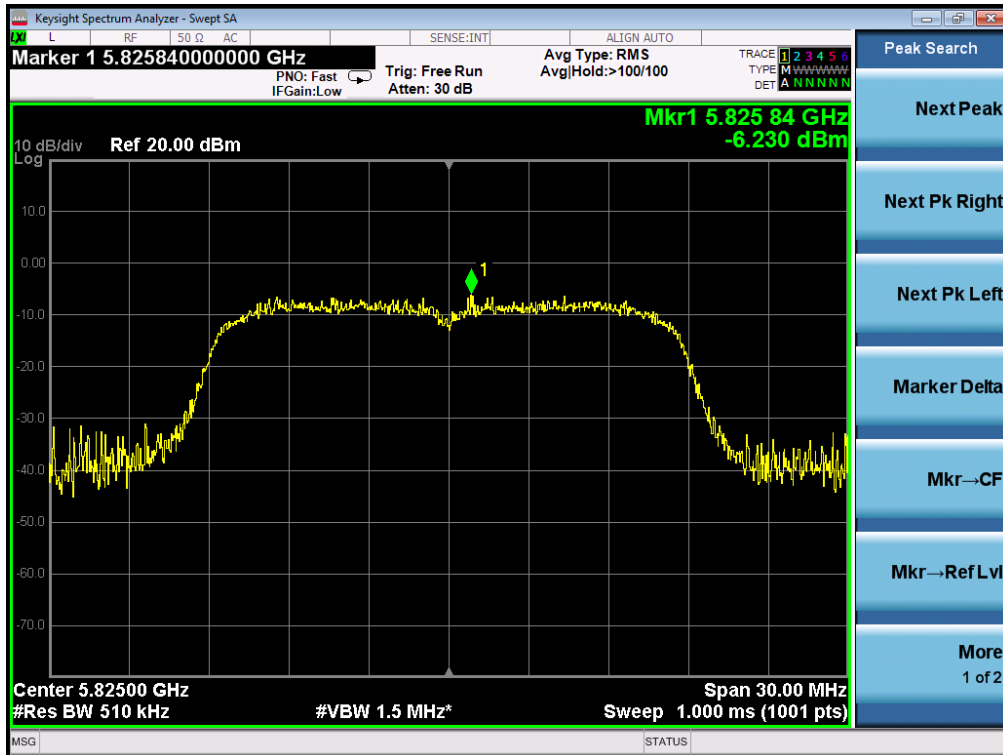
TEST PLOT OF SPECTRAL DENSITY FOR 5825MHz AT CHAIN 1



TEST PLOT OF SPECTRAL DENSITY FOR 5825MHz AT CHAIN 2

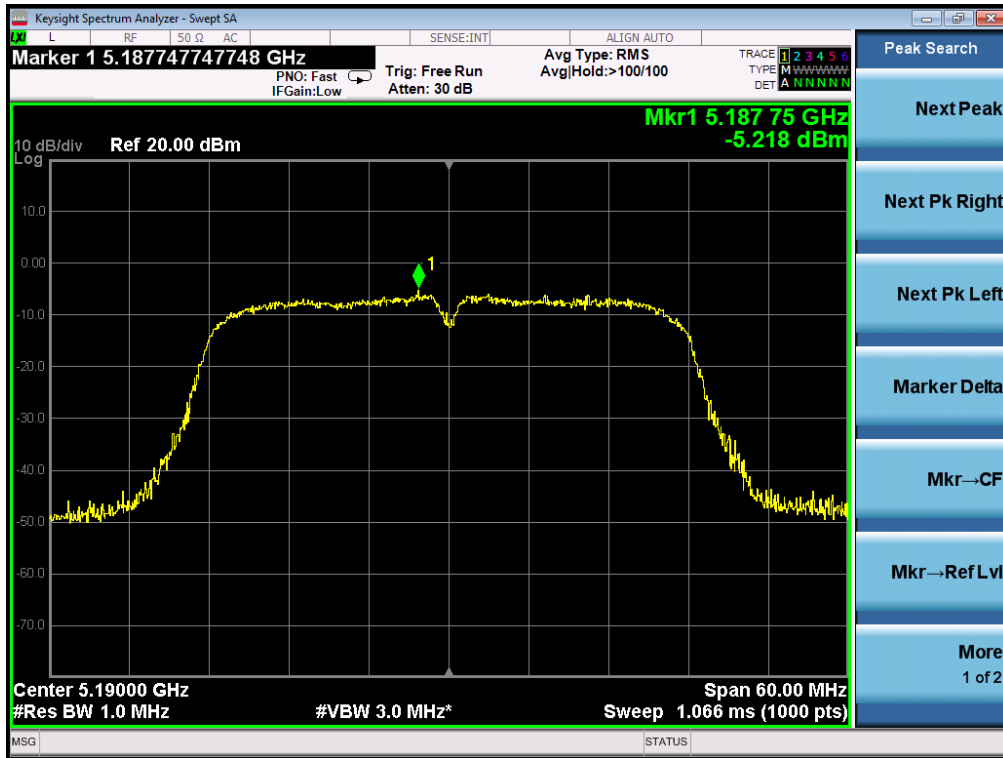


TEST PLOT OF SPECTRAL DENSITY FOR 5825MHz AT CHAIN 3

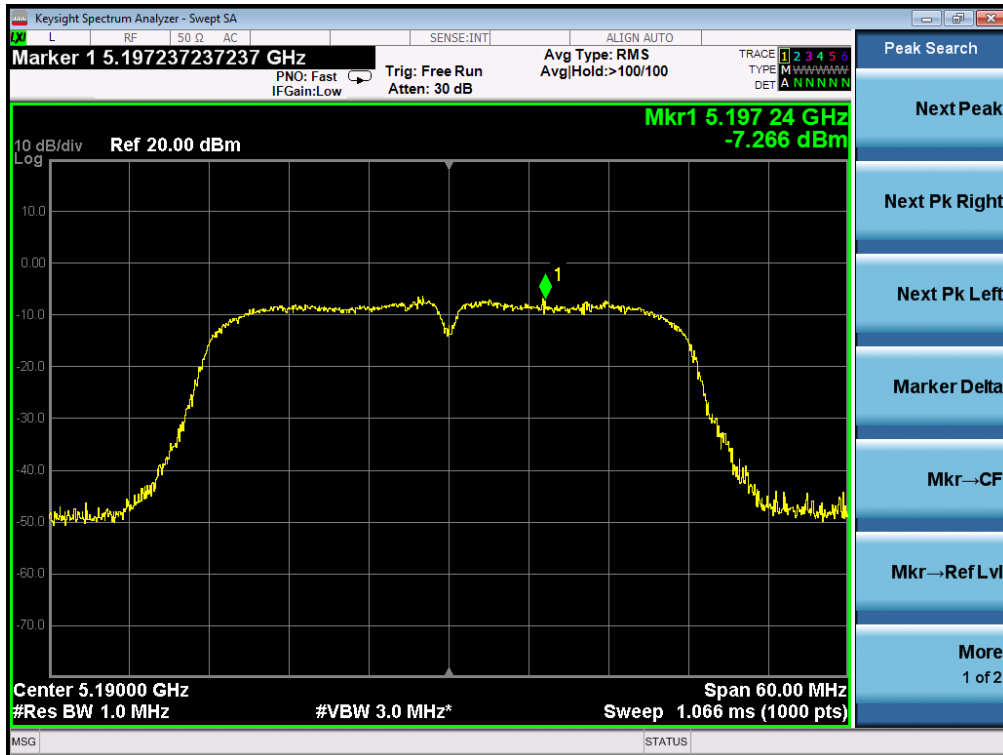


802.11n40 TEST RESULT

TEST PLOT OF SPECTRAL DENSITY FOR 5190MHz AT CHAIN 0



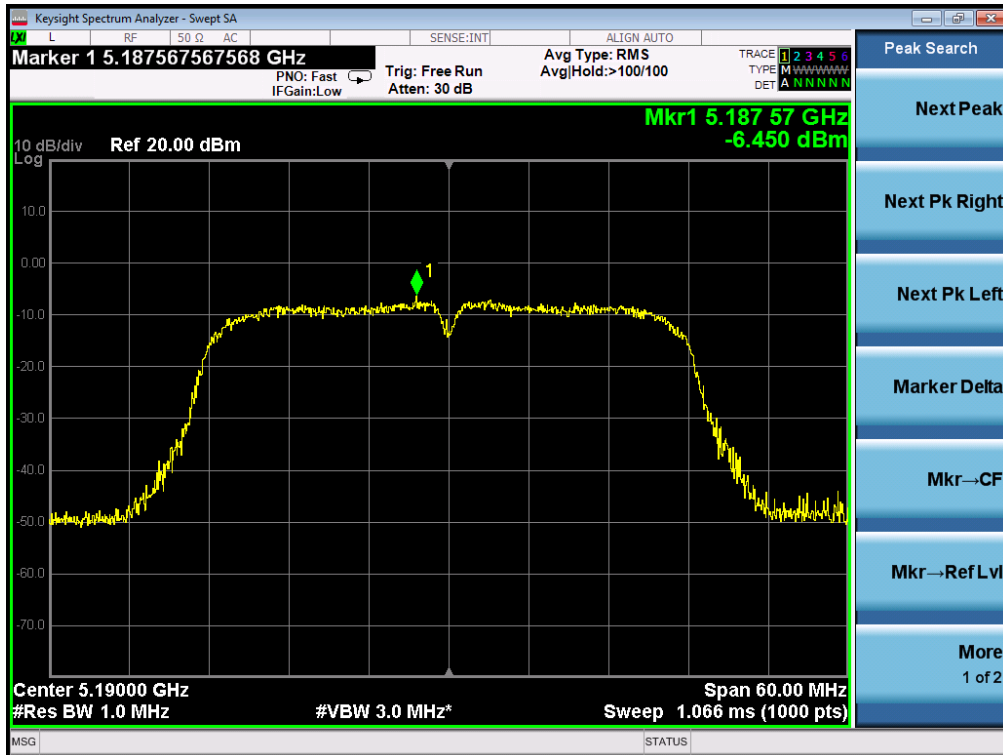
TEST PLOT OF SPECTRAL DENSITY FOR 5190MHz AT CHAIN 1



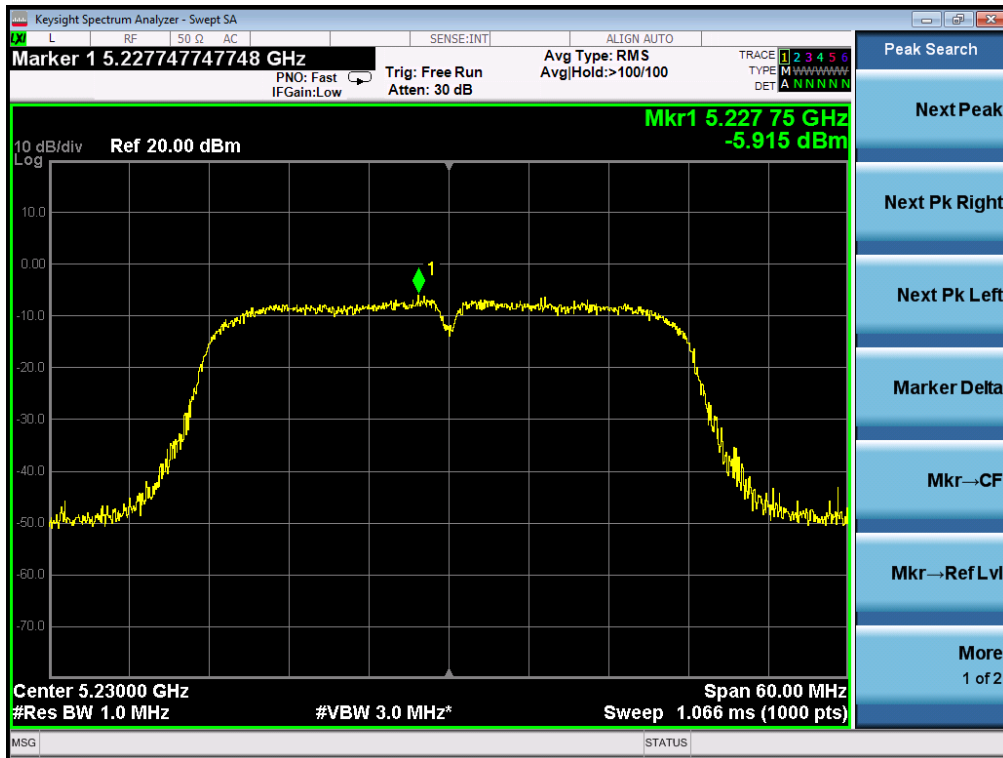
TEST PLOT OF SPECTRAL DENSITY FOR 5190MHz AT CHAIN 2



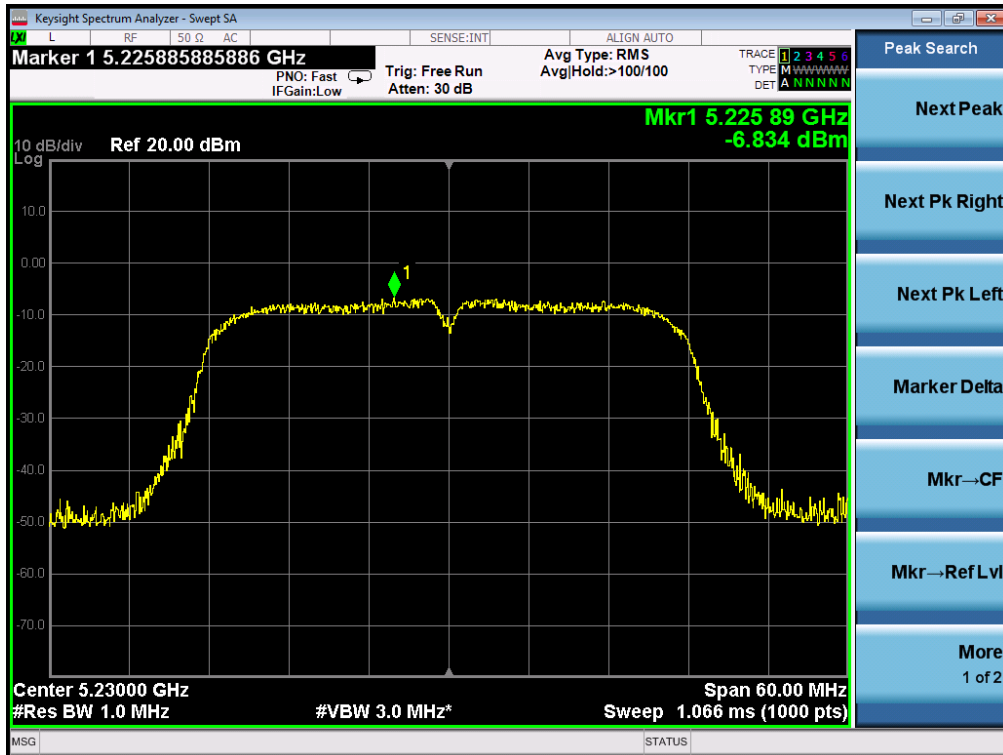
TEST PLOT OF SPECTRAL DENSITY FOR 5190MHz AT CHAIN 3



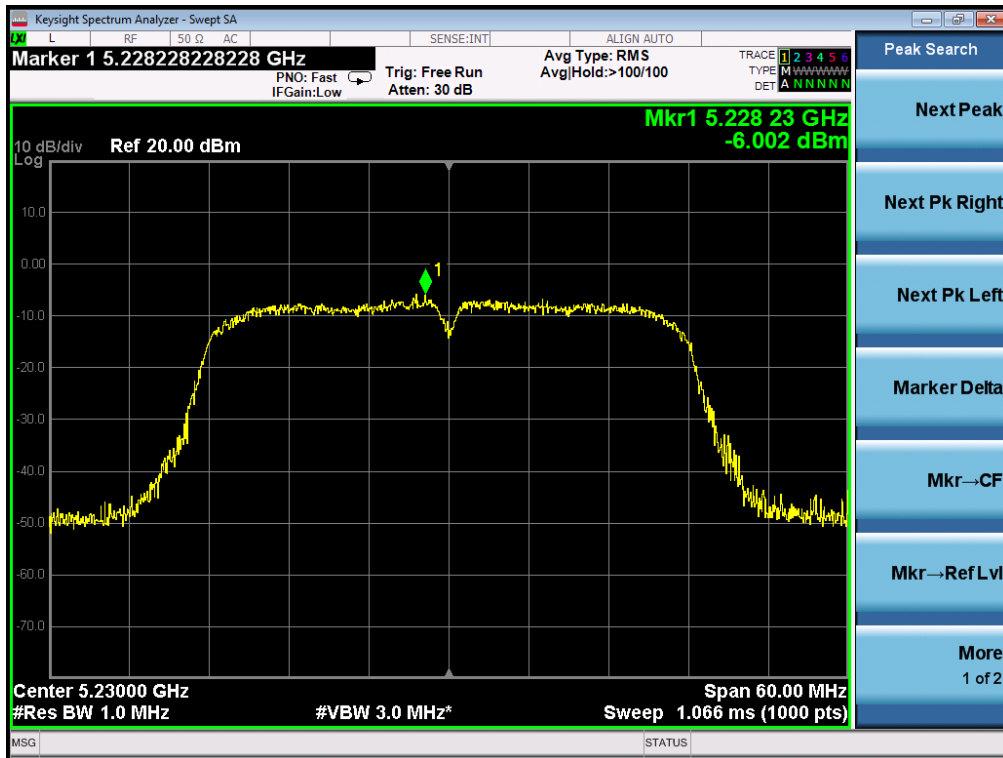
TEST PLOT OF SPECTRAL DENSITY FOR 5230MHz AT CHAIN 0



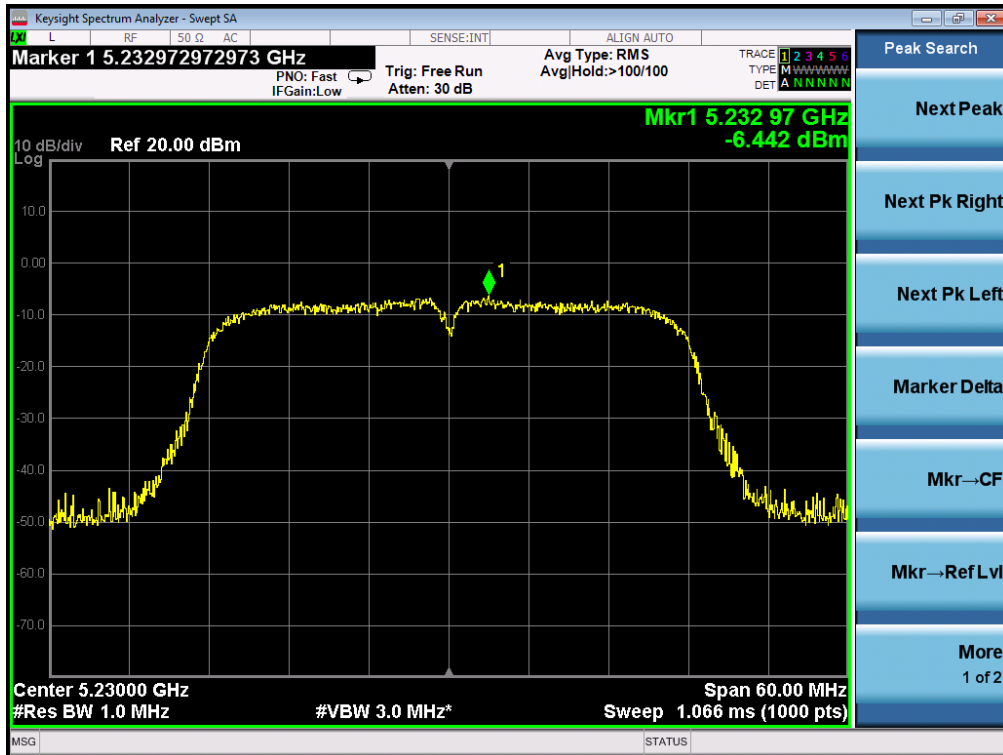
TEST PLOT OF SPECTRAL DENSITY FOR 5230MHz AT CHAIN 1



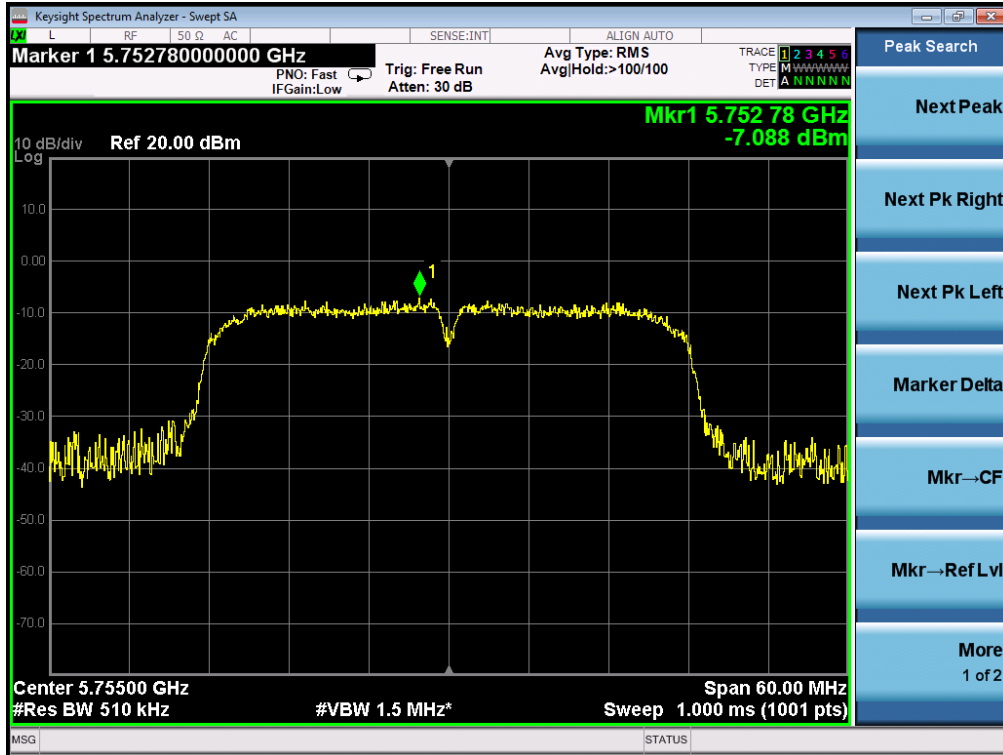
TEST PLOT OF SPECTRAL DENSITY FOR 5230MHz AT CHAIN 2



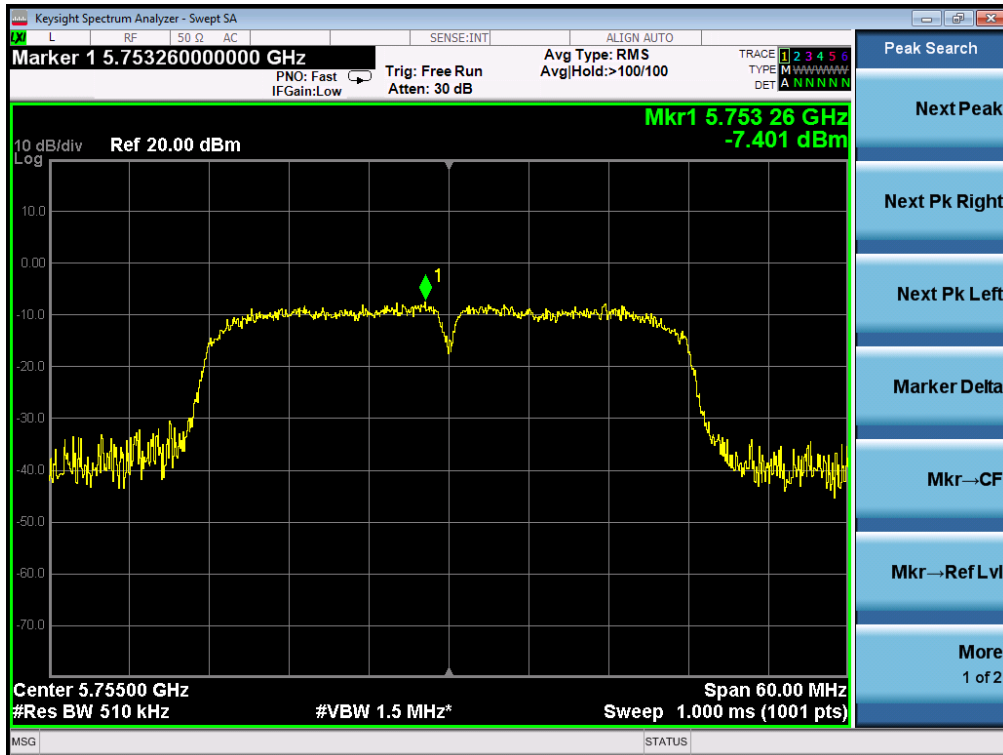
TEST PLOT OF SPECTRAL DENSITY FOR 5230MHz AT CHAIN 3



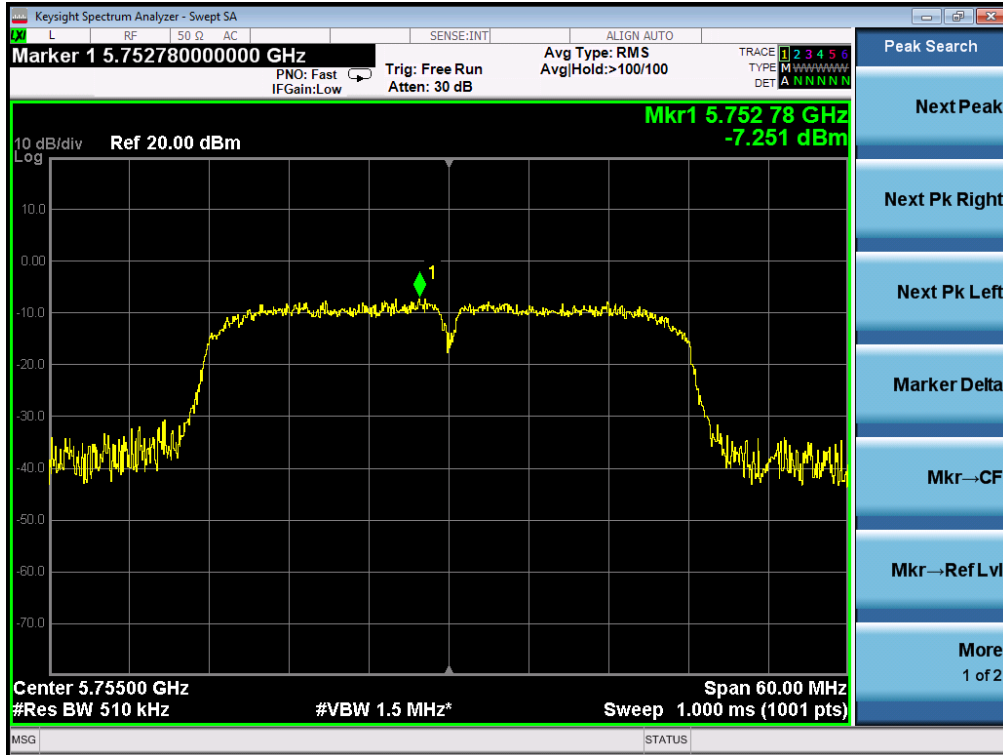
TEST PLOT OF SPECTRAL DENSITY FOR 5755MHz AT CHAIN 0



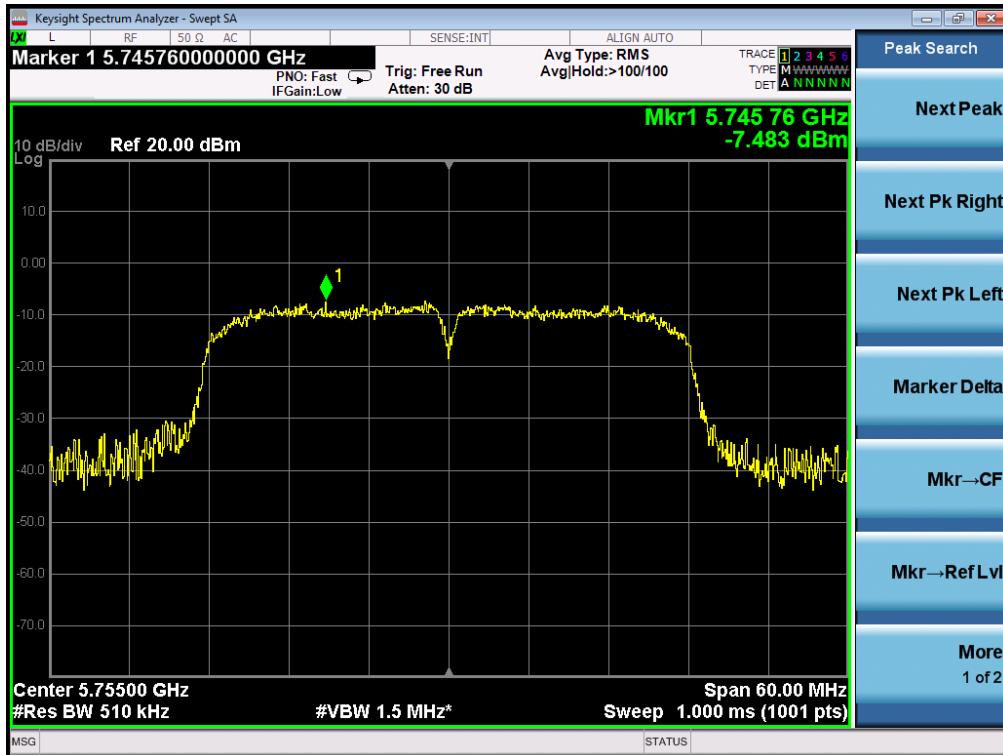
TEST PLOT OF SPECTRAL DENSITY FOR 5755MHz AT CHAIN 1



TEST PLOT OF SPECTRAL DENSITY FOR 5755MHz AT CHAIN 2



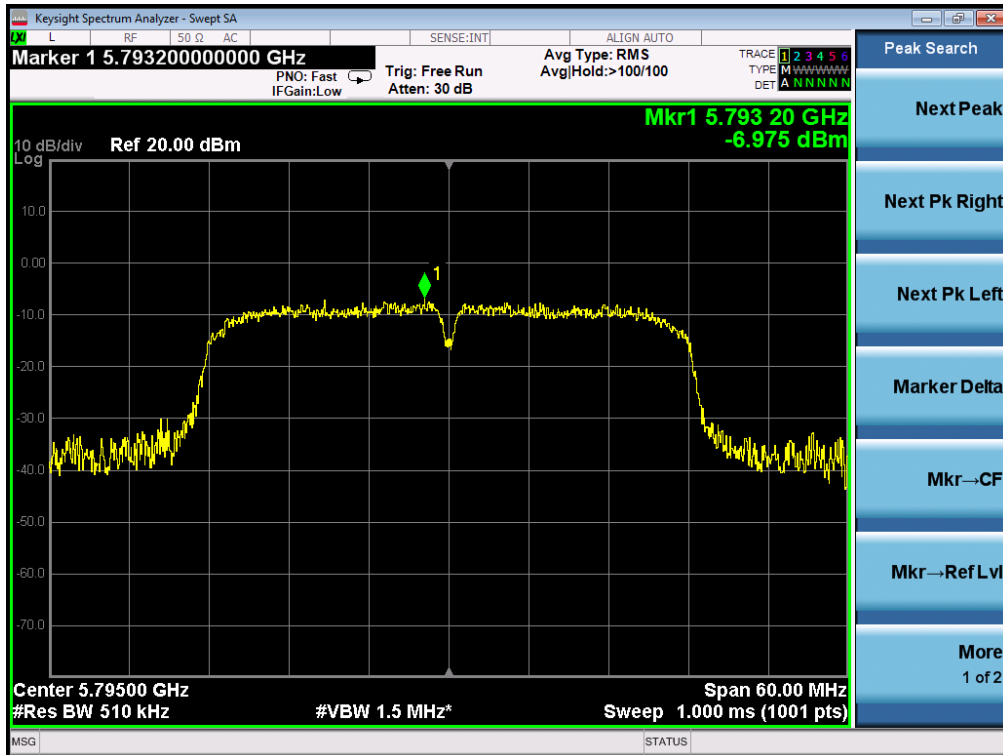
TEST PLOT OF SPECTRAL DENSITY FOR 5755MHz AT CHAIN 3



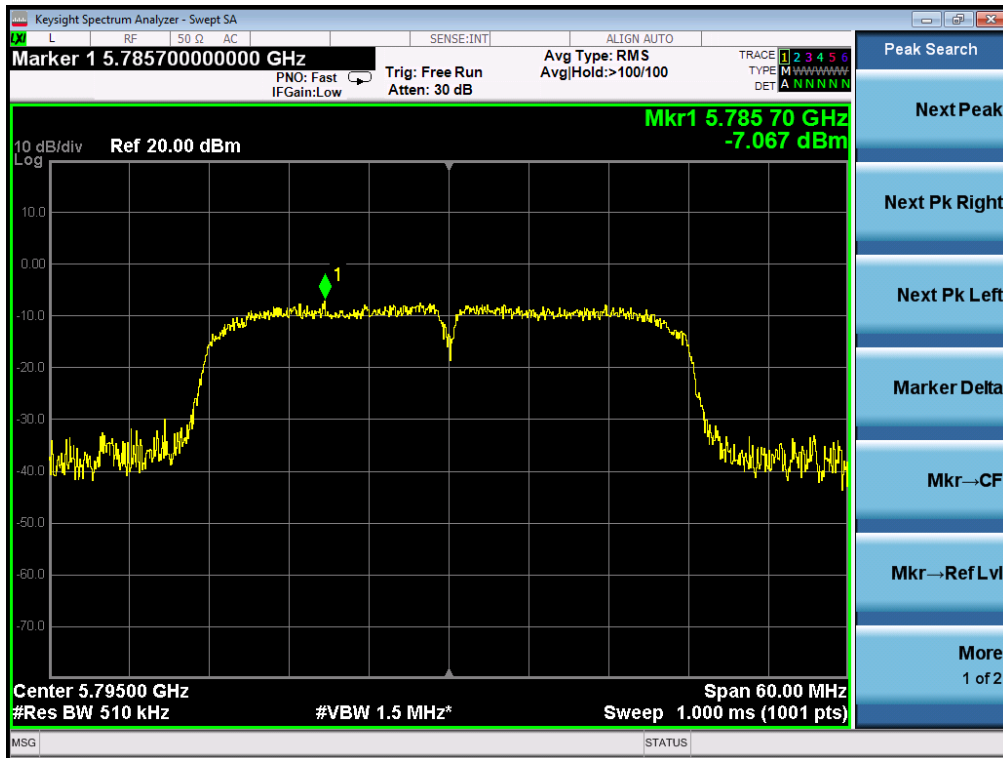
TEST PLOT OF SPECTRAL DENSITY FOR 5795MHz AT CHAIN 0



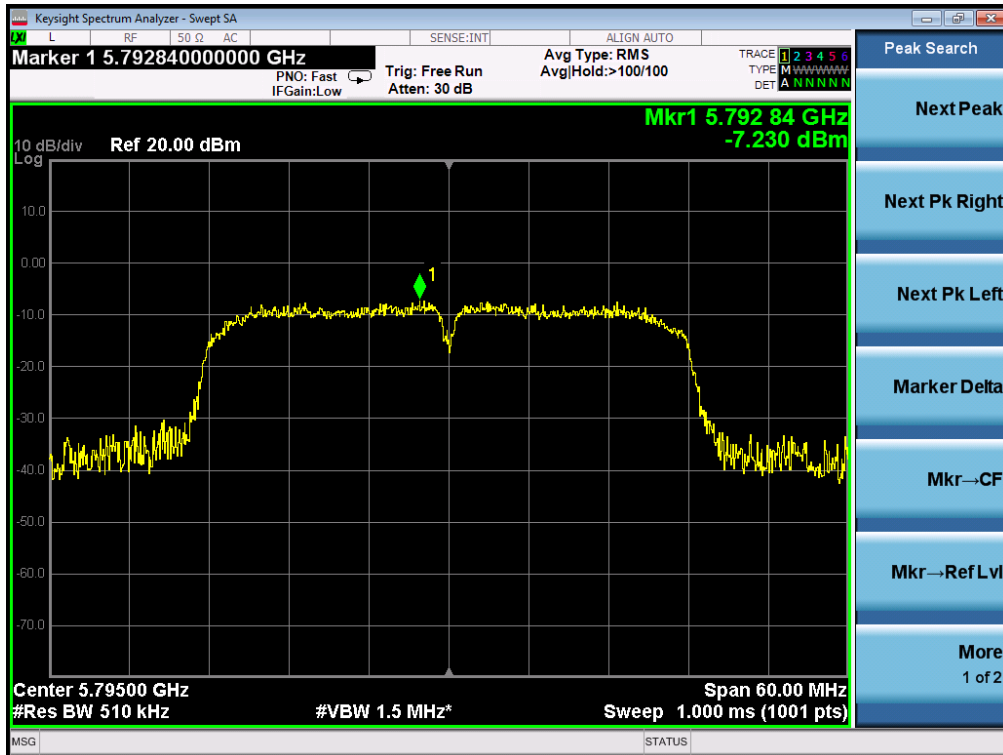
TEST PLOT OF SPECTRAL DENSITY FOR 5795MHz AT CHAIN 1



TEST PLOT OF SPECTRAL DENSITY FOR 5795MHz AT CHAIN 2

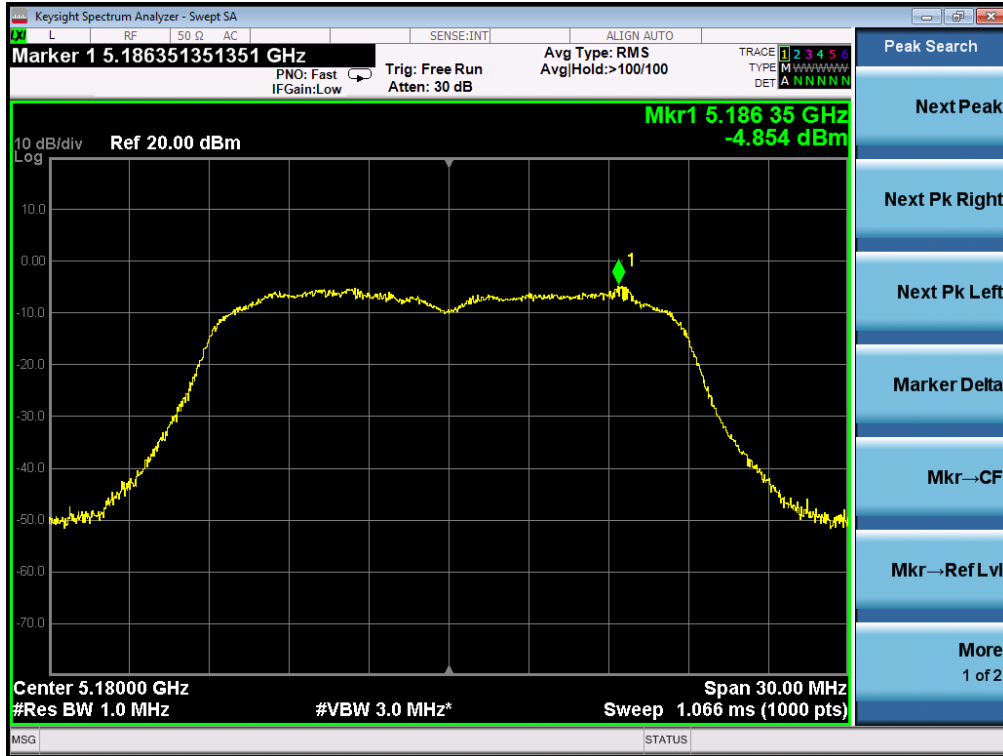


TEST PLOT OF SPECTRAL DENSITY FOR 5795MHz AT CHAIN 3

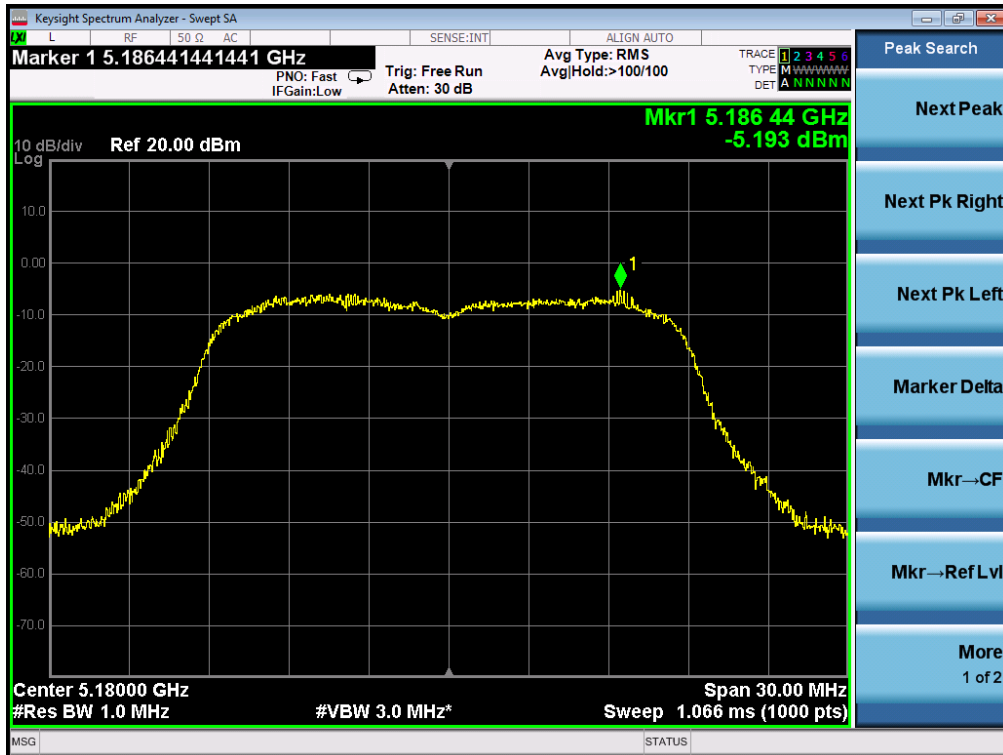


802.11ac20 TEST RESULT

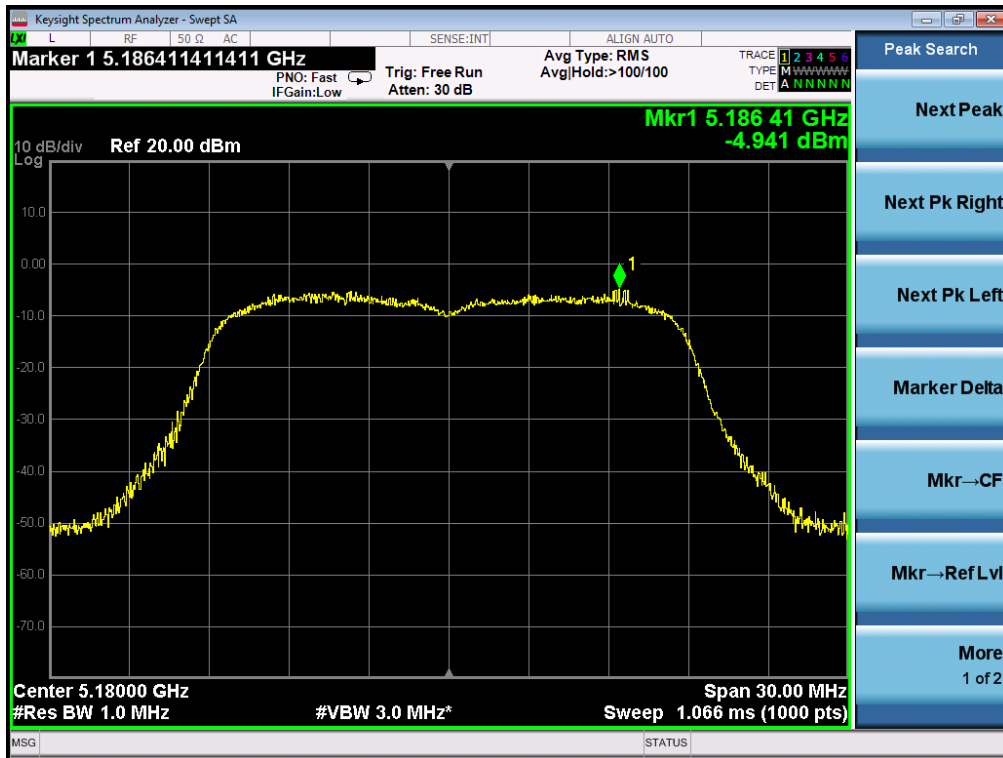
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 0



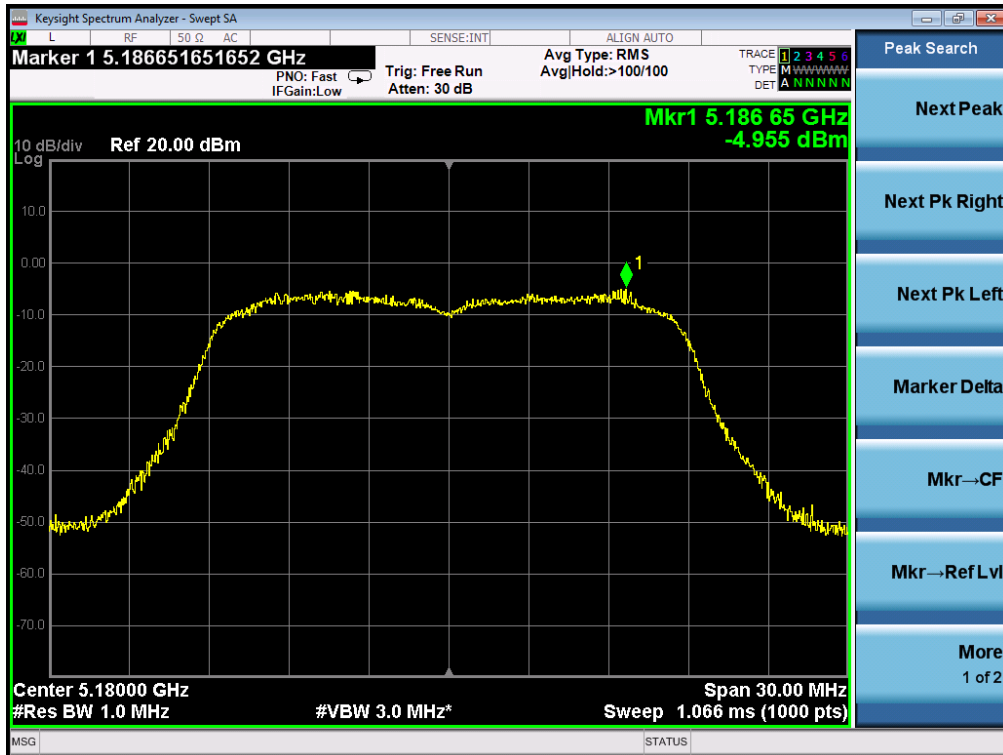
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 1



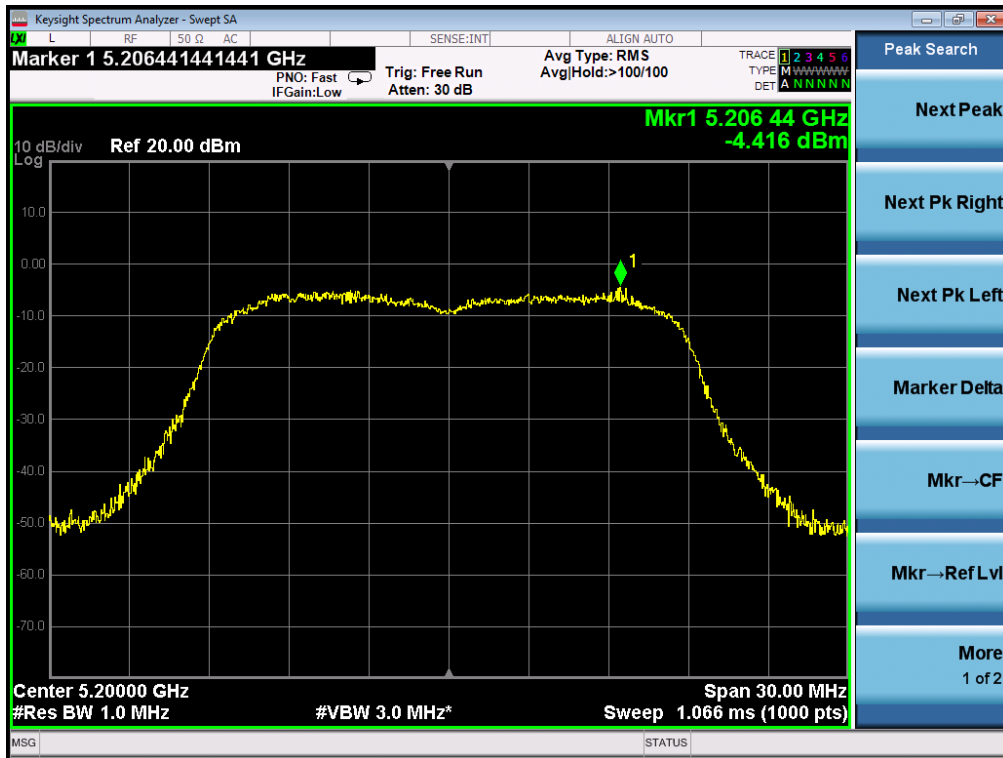
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 2



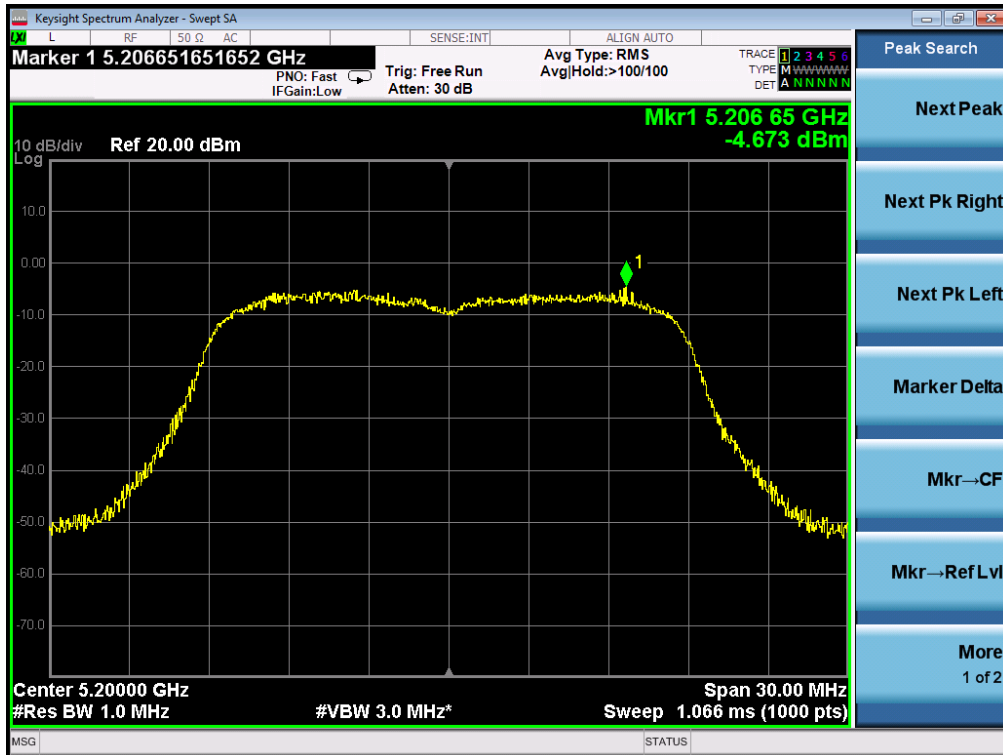
TEST PLOT OF SPECTRAL DENSITY FOR 5180MHz AT CHAIN 3



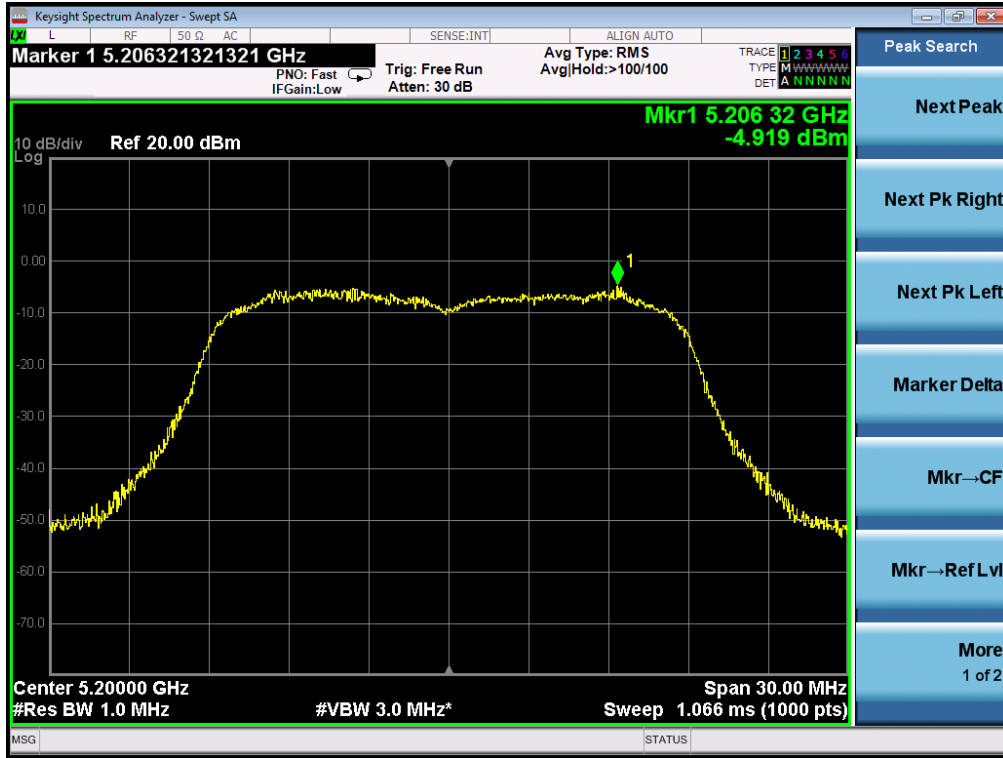
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 0



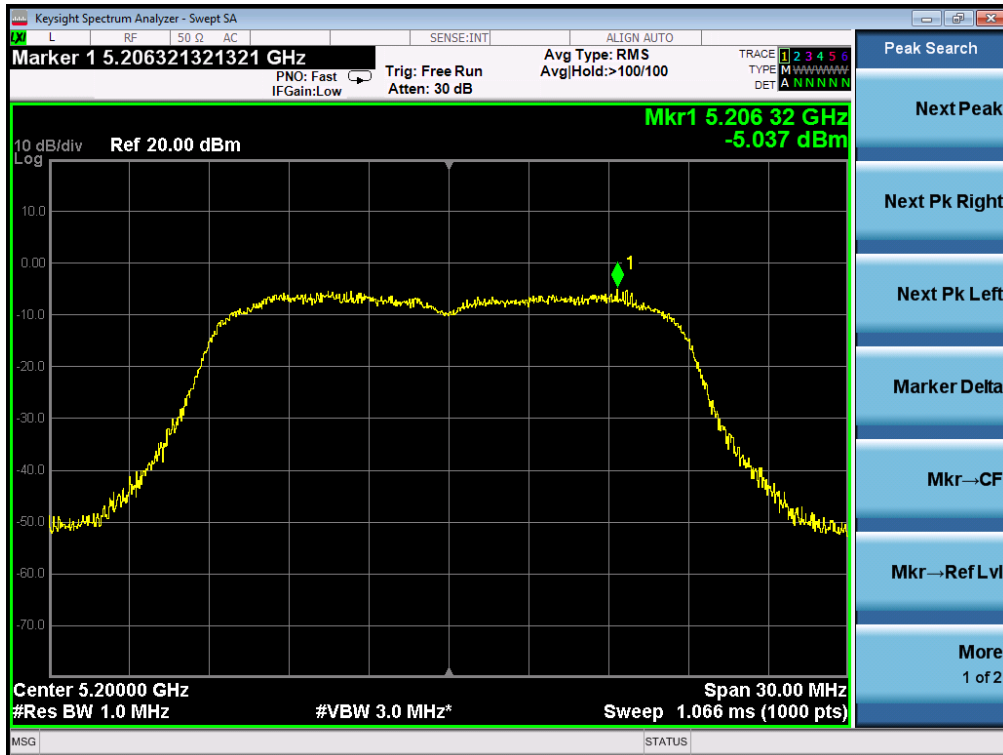
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 1



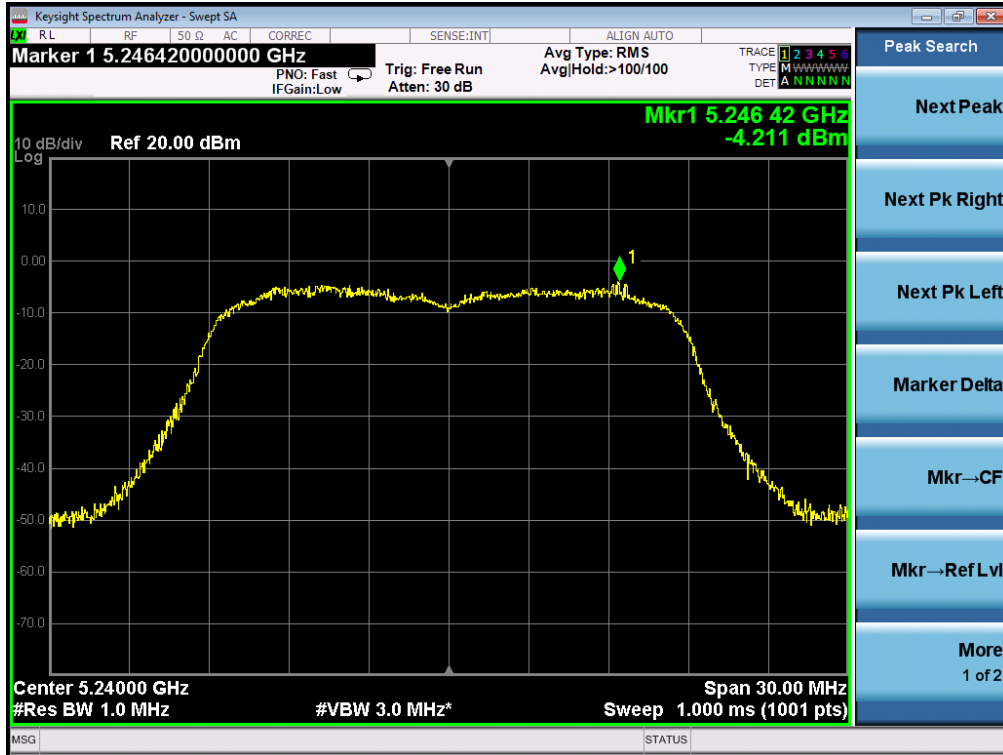
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 2



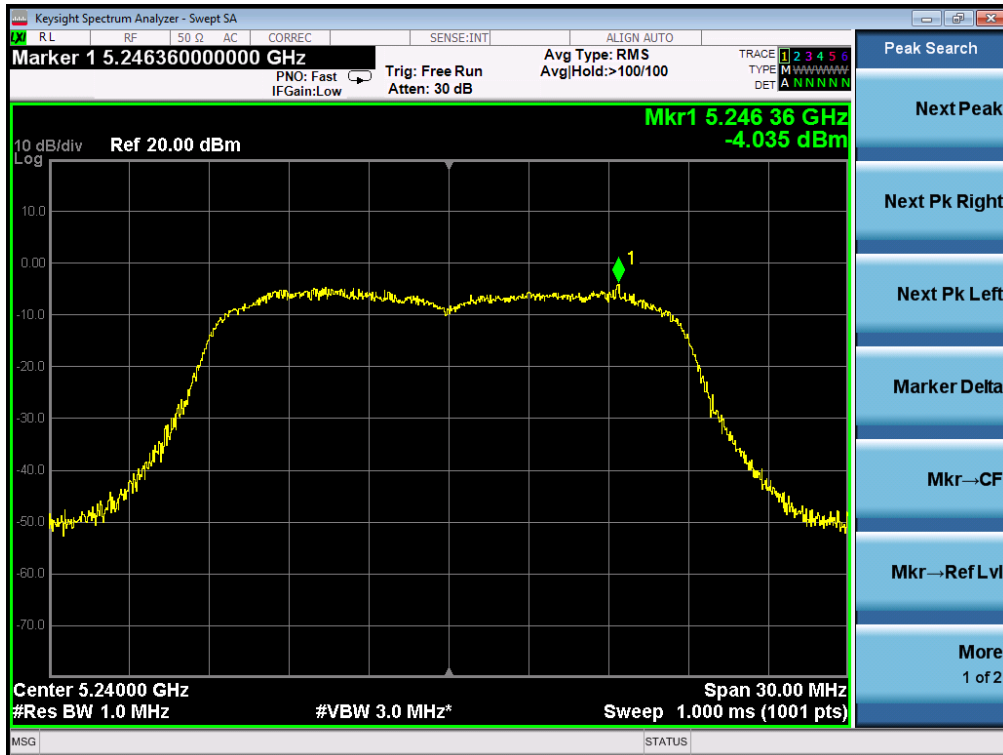
TEST PLOT OF SPECTRAL DENSITY FOR 5200MHz AT CHAIN 3



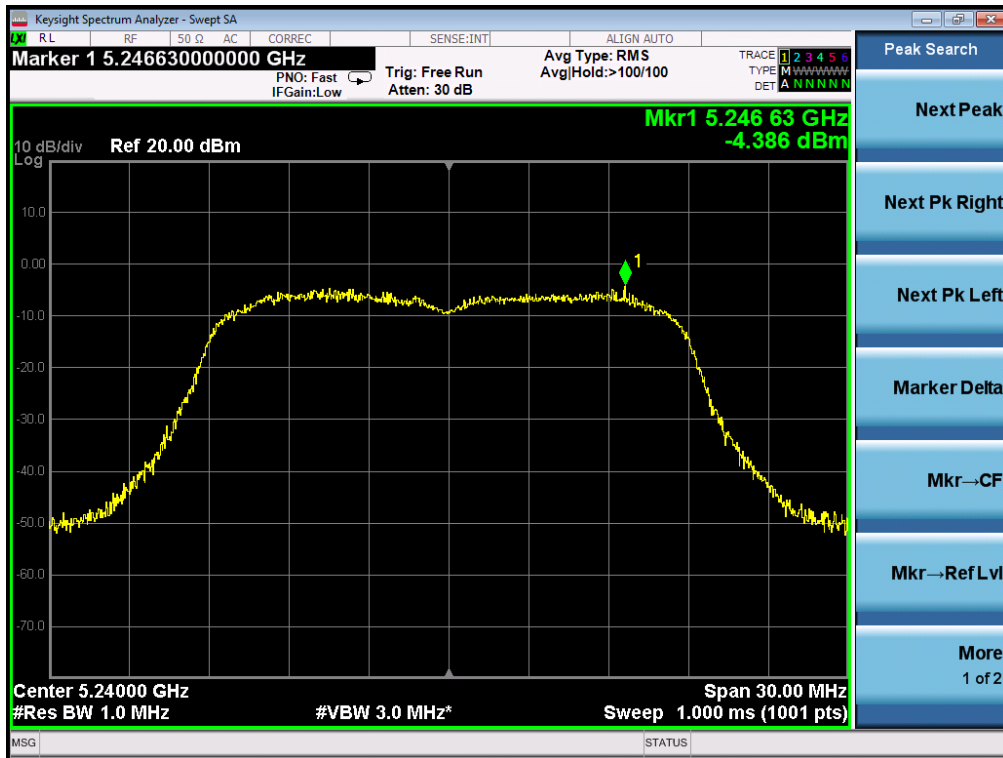
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 0



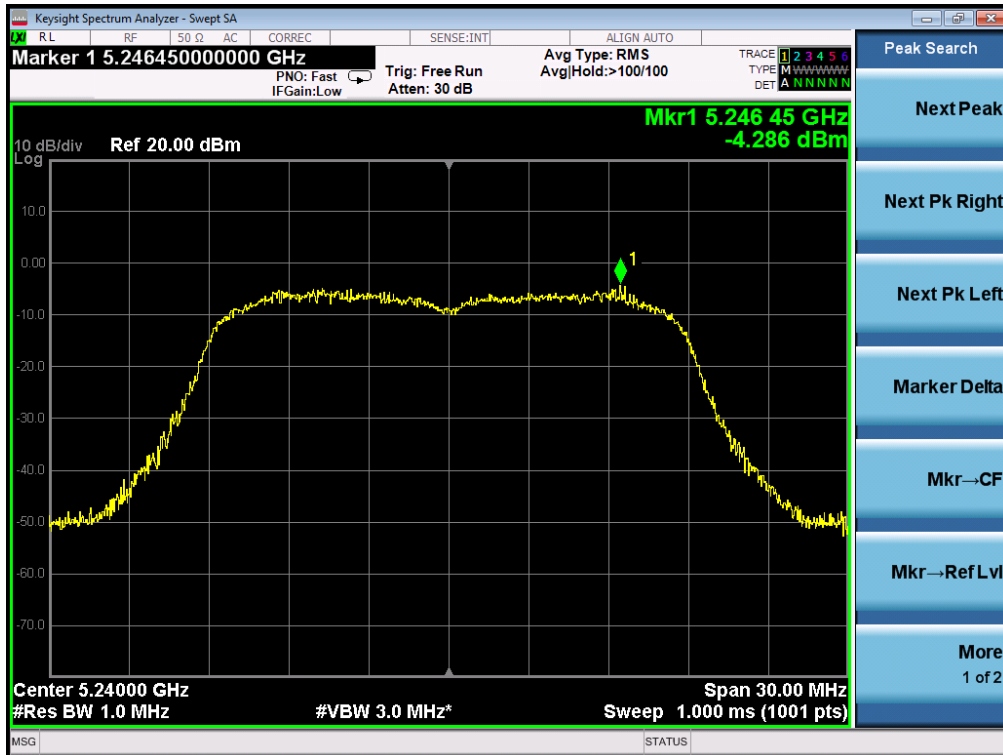
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 1



TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 2



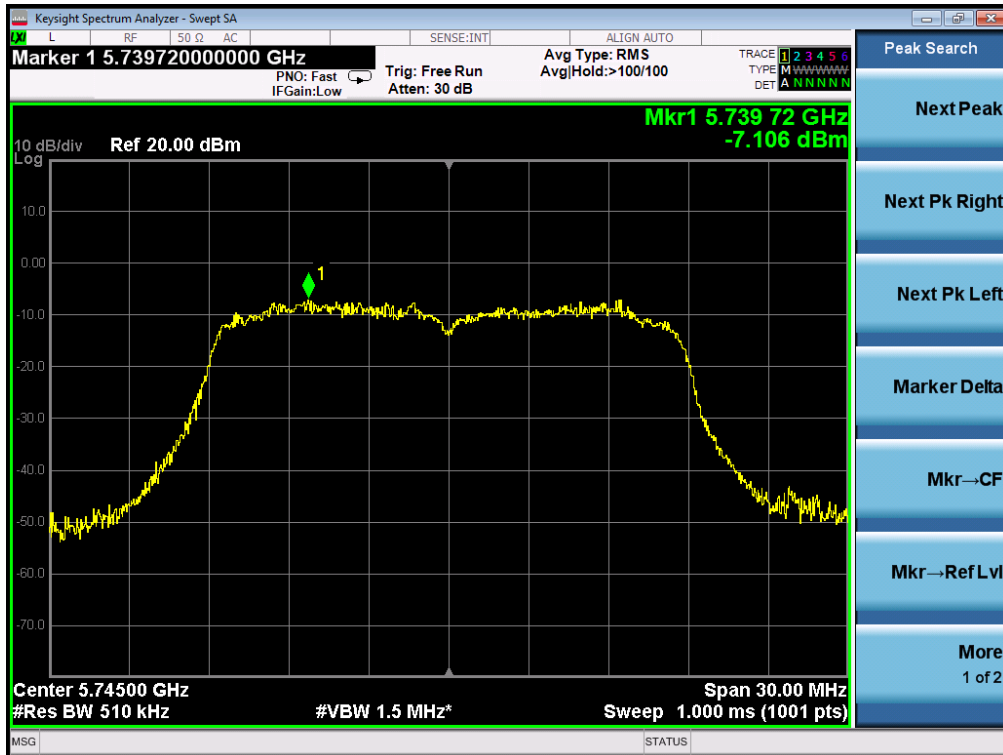
TEST PLOT OF SPECTRAL DENSITY FOR 5240MHz AT CHAIN 3



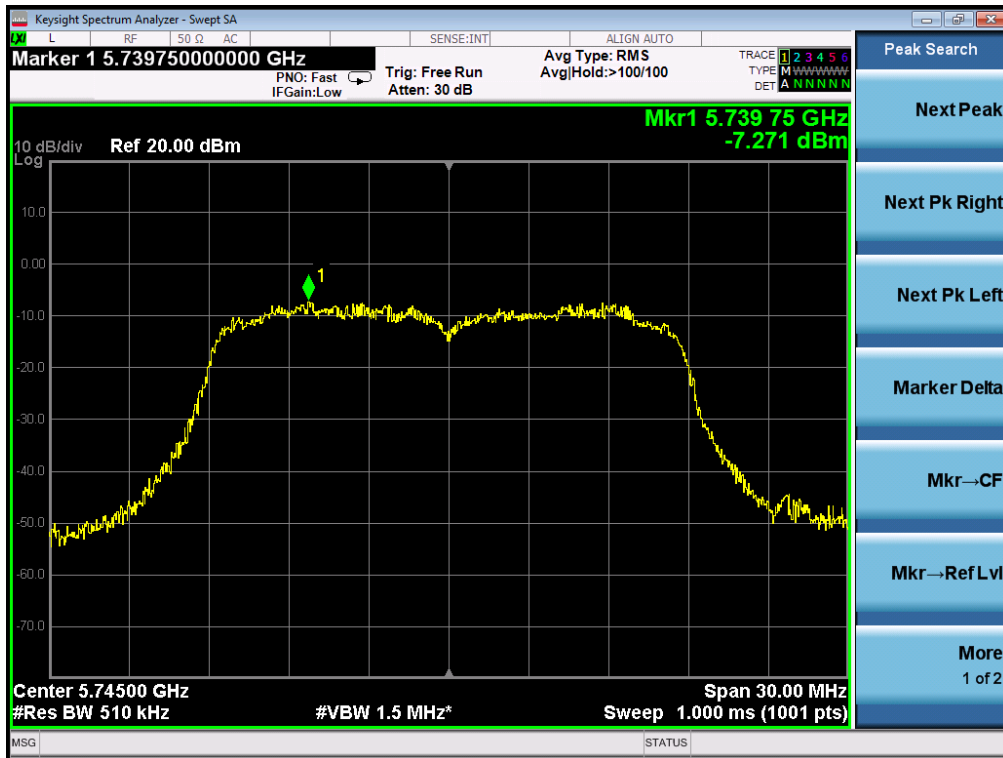
TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 0



TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 1



TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 2



TEST PLOT OF SPECTRAL DENSITY FOR 5745MHz AT CHAIN 3

