

FCC PART 15E TEST REPORT FOR CERTIFICATION
On Behalf of

HUNAN GREATWALL COMPUTER SYSTEM CO., LTD

8"Android Kids Tablet

Model Number: 100044018G

Additional Model: 100044018P

FCC ID: 2APUQW829K

Prepared for:	HUNAN GREATWALL COMPUTER SYSTEM CO., LTD
	Hu'nan Greatwall Industrial Park, Xiangyun Middle Rd.,Tianyuan Dist. Zhuzhou, Hu'nan, China
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
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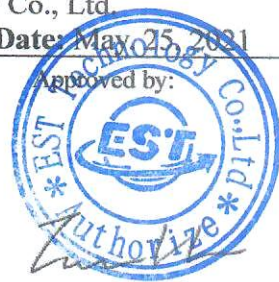
Report Number:	ESTE-R2105268
Date of Test:	May. 06-22, 2021
Date of Report:	May. 25, 2021

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EST Technology Co., Ltd.

Applicant: Address:	HUNAN GREATWALL COMPUTER SYSTEM CO., LTD Hu'nan Greatwall Industrial Park, Xiangyun Middle Rd., Tianyuan Dist. Zhuzhou, Hu'nan, China		
Manufacturer: Address:	HUNAN GREATWALL COMPUTER SYSTEM CO., LTD Hu'nan Greatwall Industrial Park, Xiangyun Middle Rd., Tianyuan Dist. Zhuzhou, Hu'nan, China		
E.U.T:	8"Android Kids Tablet		
Model Number:	100044018G		
Additional Model:	100044018P Note: Only the color of the casing is different between the two models, and the rest are completely the same.		
Power Supply:	DC 5V From Adapter Input AC 100-240V~50/60Hz DC 3.8V From Battery		
Trade Name:	onn.	Serial No.:	-----
Date of Receipt:	May. 06, 2021	Date of Test:	May. 06-22, 2021
Test Specification:	FCC Part 15 Subpart E 15.407 ANSI C63.10:2013 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01		
Test Result:	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart E requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.		
Prepared by:	Reviewed by:	Date: May 25, 2021	
Ring	Seven		
Ring / Assistant	Seven / Engineer	Iceman Hu / Manager	
Other Aspects: None.			
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.			

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	:	8"Android Kids Tablet
Model Number	:	100044018G
Software Version	:	100044018G_YYYYMMDD
Hardware Version	:	RC-F732
Operation frequency	:	U-NII-1: 5150 MHz~5250 MHz U-NII-2A: 5250 MHz~5350 MHz U-NII-2C: 5470 MHz~5725 MHz U-NII-3: 5725 MHz~5850 MHz
Number of channel	:	U-NII-1: IEEE 802.11a / n HT20 / ac VHT20: 4 Channels; IEEE 802.11n HT40 / ac VHT40: 2 Channels; IEEE 802.11ac VHT80: 1 Channel. U-NII-2A: IEEE 802.11a / n HT20 / ac VHT20: 4 Channels; IEEE 802.11n HT40 / ac VHT40: 2 Channels; IEEE 802.11ac VHT80: 1 Channel. U-NII-2C: IEEE 802.11a / n HT20 / ac VHT20: 11 Channels; IEEE 802.11n HT40 / ac VHT40: 5 Channels; IEEE 802.11ac VHT80: 2 Channel. U-NII-3: IEEE 802.11a / n HT20 / ac VHT20: 5 Channels; IEEE 802.11n HT40 / ac VHT40: 2 Channels; IEEE 802.11ac VHT80: 1 Channel.
Modulation	:	OFDM(QPSK, BPSK, 16-QAM, 64-QAM,256-QAM)
Transmit Data Rate	:	IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, 6Mbps; IEEE 802.11n: up 150Mbps; IEEE 802.11ac: up to 433.3Mbps;
Channels Spacing	:	IEEE 802.11a: 20MHz; IEEE 802.11n HT20: 20MHz; IEEE 802.11n HT40: 40MHz; IEEE 802.11ac VHT20: 20MHz; IEEE 802.11ac VHT40: 40MHz; IEEE 802.11ac VHT80: 80MHz;

Transmit Power	:	U-NII-1	IEEE 802.11a: 11.79dBm IEEE 802.11n HT20: 11.63dBm IEEE 802.11n HT40: 11.05dBm IEEE 802.11ac VHT20: 11.7dBm IEEE 802.11ac VHT40: 11.16dBm IEEE 802.11ac VHT80: 10.93dBm
		U-NII-2A	IEEE 802.11a: 11.86dBm IEEE 802.11n HT20: 11.76dBm IEEE 802.11n HT40: 11.08dBm IEEE 802.11ac VHT20: 11.31dBm IEEE 802.11ac VHT40: 11.08dBm IEEE 802.11ac VHT80: 10.91dBm
		U-NII-2C	IEEE 802.11a: 10.75dBm IEEE 802.11n HT20: 10.57dBm IEEE 802.11n HT40: 10.01dBm IEEE 802.11ac VHT20: 10.1dBm IEEE 802.11ac VHT40: 9.94dBm IEEE 802.11ac VHT80: 9.47dBm
		U-NII-3	IEEE 802.11a: 9.85dBm IEEE 802.11n HT20: 9.83dBm IEEE 802.11n HT40: 8.88dBm IEEE 802.11ac VHT20: 9.17dBm IEEE 802.11ac VHT40: 8.89dBm IEEE 802.11ac VHT80: 8.46dBm
Sample Type	:	Prototype production	

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

1.2. Difference between Model Numbers

Model Number	main board	DDR	eMMC
100044018G	1	RS512M32LZ4D2ANP	FEMDNN032G-A3A55
100044018P	2	NCLDXC2MG512M32	E32GCYNB1ABE00

Note: Default is 1 mainboard, reported to the DDR and EMMC combination for 2.

1.3. The antenna information for EUT

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	2.2

2. SUMMARY OF TEST

2.1. Summary of test result

Report Section	Description of Test Item	FCC Standard Section	Results
3	6dB Bandwidth & 26dB Bandwidth & 99% Occupied Bandwidth	15.407(a) 15.407(e)	PASS
4	Maximum Conducted Output Power	15.407(a)	PASS
5	Peak Power Spectral Density	15.407(a)	PASS
6	Unwanted Emissions and Band Edge	15.205 15.209 15.407(b)	PASS
7	Frequency Stability	15.407(g)	PASS
8	AC Power Line Conducted Emissions	15.207 15.407(b)(8)	PASS
9	Antenna Requirement	15.203	PASS

Note:

(1) "N/A" denotes test is not applicable in this test report

2.2. Test Facilities

EMC Lab : Certificated by CNAS, CHINA
Registration No.: L5288
Date of registration: November 13, 2017

Certificated by FCC, USA
Designation Number: CN1215
Test Firm Registration Number: 722932
Date of registration: November 21, 2017

Certificated by A2LA, USA
Registration No.: 4366.01
Date of registration: November 07, 2017

Certificated by Industry Canada
CAB identifier No.: CN0035
Date of registration: January 04, 2019

Certificated by VCCI, Japan
Registration No.: R-13663; C-14103
Date of registration: July 25, 2017
This Certificate is valid until: July 24, 2020

Certificated by TUV Rheinland, Germany
Registration No.: UA 50413872 0001
Date of registration: July 31, 2018

Certificated by TUV/PS, Shenzhen
Registration No.: SCN1017
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO
Registration No.: 2011-RTL-L2-64
Date of registration: April 28, 2011

Certificated by Nemko, Hong Kong
Registration No.: 175193
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

2.3. Measurement uncertainty for EST Technology Co., Ltd.

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.54dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.62
Uncertainty for Radiation Emission test (1GHz to 18GHz)	4.86
Uncertainty for spurious emissions test (18GHz to 40GHz)	4.67
Uncertainty for radio frequency	7×10^{-8}
Uncertainty for conducted RF Power	0.20dB
Uncertainty for Power density test	0.26dB
Temperature	$\pm 0.6^{\circ}\text{C}$
Humidity	$\pm 4.0\%$
Volatage DC	$\pm 1.0\%$
Volatage (AC, <10KHz)	$\pm 1.5\%$

Note:

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

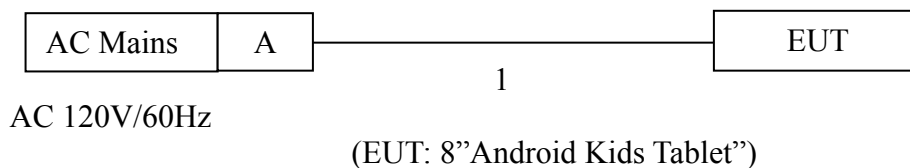
2.4. Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
A	Adapter	onn	BSY01J3050200U U	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1m	DC Cable

2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 (or 1.5) meter high above ground.



2.6. Test Mode

Pre-scan has been combined all possible modulations and data rates to determine the worst case test mode, the worst case test mode was selected for the final test as listed below.

Test Item	Test Mode	Channel	Modulation	Data rate
6dB Bandwidth	IEEE 802.11a	149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	155	OFDM	MCS0
26dB Bandwidth	IEEE 802.11a	36/40/48/52/60/64/100/116/140	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/114/134	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/114/134	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122	OFDM	MCS0
99% Occupied Bandwidth	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
Maximum Conducted Output Power	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0

Peak Power Spectral Density	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
Unwanted Emissions and Band Edge(Above 1GHz)	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/114/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
Unwanted Emissions Below 1GHz	IEEE 802.11a	100	OFDM	6Mbps
Frequency Stability	Unmodulation	36/64/100/149	N/A	N/A
AC Power Line Conducted Emissions	IEEE 802.11a	100	OFDM	6Mbps

Note:

1. In radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane**.

2.7. Channel List

Band	Mode	Channel	Frequency (MHz)
U-NII-1	IEEE 802.11a & n HT20 & ac VHT20	36	5180
		40	5200
		44	5220
		48	5240
	IEEE 802.11n HT40 & ac VHT40	38	5190
		46	5230
	IEEE 802.11ac VHT80	42	5210
U-NII-2A	IEEE 802.11a & n HT20 & ac VHT20	52	5260
		56	5280
		60	5300
		64	5320
	IEEE 802.11n HT40 & ac VHT40	54	5270
		62	5310
	IEEE 802.11ac VHT80	58	5290
U-NII-2C	IEEE 802.11a & n HT20 & ac VHT20	100	5500
		104	5520
		108	5540
		112	5560
		116	5580
		120	5600
		124	5620
		128	5640
		132	5660
		136	5680
	IEEE 802.11n HT40 & ac VHT40	140	5700
		102	5510
		110	5550
		118	5590
		126	5630
	IEEE 802.11ac VHT80	134	5670
		106	5530
		122	5610
U-NII-3	IEEE 802.11a & n HT20 & ac VHT20	149	5745
		153	5765
		157	5785
		161	5805
		165	5825
	IEEE 802.11n HT40 & ac VHT40	151	5755
		159	5795
	IEEE 802.11ac VHT80	155	5775

2.8. Power Setting of Test Software

Software Name	N/A		
U-NII-1			
Frequency(MHz)	5180	5200	5240
IEEE 802.11a Setting	Default	Default	Default
IEEE 802.11n HT20 Setting	Default	Default	Default
IEEE 802.11ac VHT20 Setting	Default	Default	Default
Frequency(MHz)	5190	5230	
IEEE 802.11n HT40 Setting	Default	Default	
IEEE 802.11ac VHT40 Setting	Default	Default	
Frequency(MHz)	5210		
IEEE 802.11ac VHT80 Setting	Default		
U-NII-2A			
Frequency(MHz)	5260	5300	5320
IEEE 802.11a Setting	Default	Default	Default
IEEE 802.11n HT20 Setting	Default	Default	Default
IEEE 802.11ac VHT20 Setting	Default	Default	Default
Frequency(MHz)	5270	5310	
IEEE 802.11n HT40 Setting	Default	Default	
IEEE 802.11ac VHT40 Setting	Default	Default	
Frequency(MHz)	5290		
IEEE 802.11ac VHT80 Setting	Default		
U-NII-2C			
Frequency(MHz)	5500	5580	5700
IEEE 802.11a Setting	Default	Default	Default
IEEE 802.11n HT20 Setting	Default	Default	Default
IEEE 802.11ac VHT20 Setting	Default	Default	Default
Frequency(MHz)	5510	5590	5670
IEEE 802.11n HT40 Setting	Default	Default	Default
IEEE 802.11ac VHT40 Setting	Default	Default	Default
Frequency(MHz)	5530	5610	
IEEE 802.11ac VHT80 Setting	Default	Default	
U-NII-3			
Frequency(MHz)	5745	5785	5825
IEEE 802.11a Setting	Default	Default	Default
IEEE 802.11n HT20 Setting	Default	Default	Default
IEEE 802.11ac VHT20 Setting	Default	Default	Default
Frequency(MHz)	5755	5795	
IEEE 802.11n HT40 Setting	Default	Default	
IEEE 802.11ac VHT40 Setting	Default	Default	
Frequency(MHz)	5775		
IEEE 802.11ac VHT80 Setting	Default		

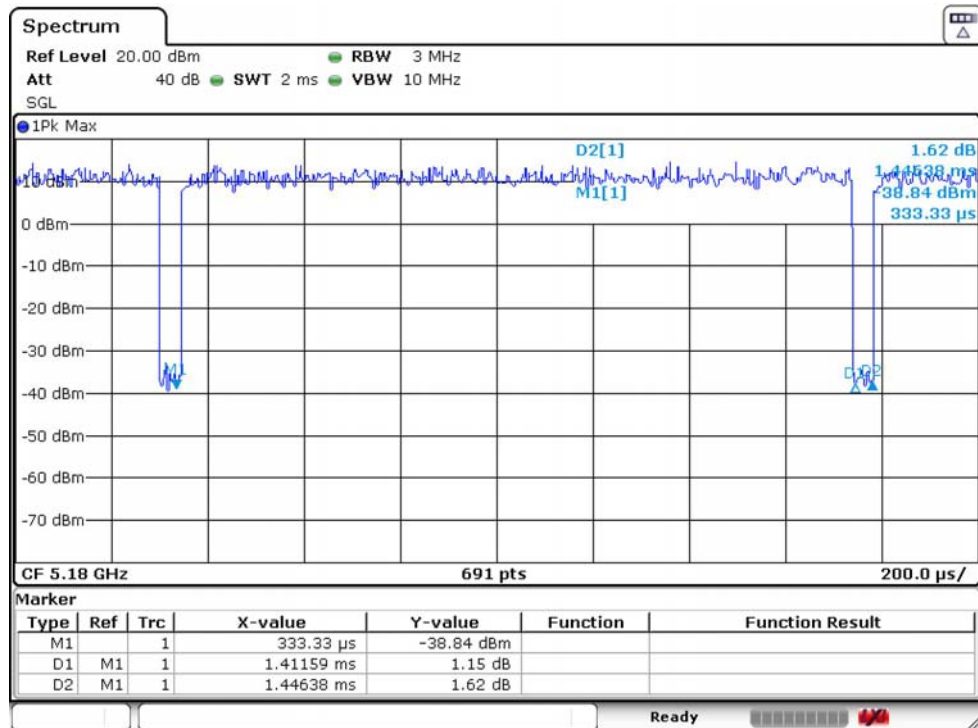
2.9. Duty Cycle of Test Signal

Temperature	23℃	Relative Humidity		55%	Test Voltage		120V/60Hz
Mode	Frequency (MHz)	On time (ms)	Total Time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T (Hz)	VBW Setting (Hz)
IEEE 802.11a	5180	1.41159	1.44638	97.59	0.11	708	708
IEEE 802.11n HT20	5180	1.30725	1.34493	97.20	0.12	765	765
IEEE 802.11n HT40	5190	1.32174	1.35942	97.23	0.12	757	757
IEEE 802.11ac VHT20	5180	0.65507	0.68986	94.96	0.22	1527	1527
IEEE 802.11ac VHT40	5190	0.66087	0.69855	94.61	0.24	1513	1513
IEEE 802.11ac VHT80	5210	0.33043	0.36232	91.20	0.40	3026	3026

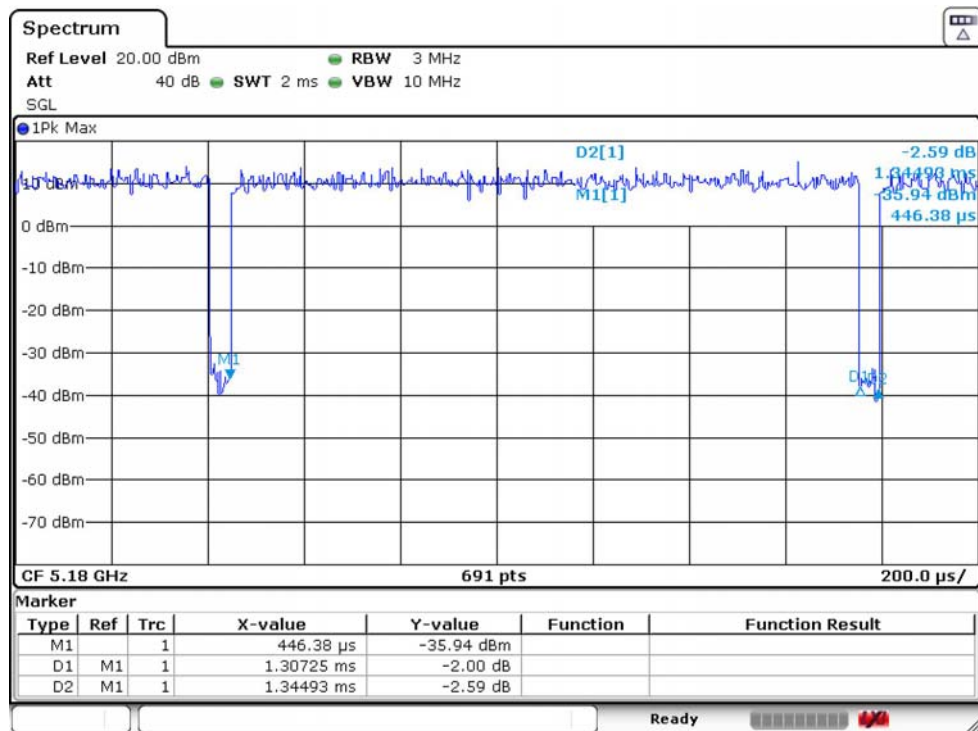
Note:

1. Duty Cycle=On Time/Total Time×100%.
2. Duty Factor=10×LOG(1/Duty Cycle).
3. If duty cycle <98 %, the conducted average output power and average power spectral density should be add duty factor.
4. If duty cycle ≥98 %,the EUT is consider to be transmitting continuously,the conducted average output power and average power spectral density no need to add duty factor.
5. The on-time time is transmission duration(T).
6. The VBW Setting is use for RMS measurement in Unwanted Emissions and Band Edge(Above 1GHz) Test.

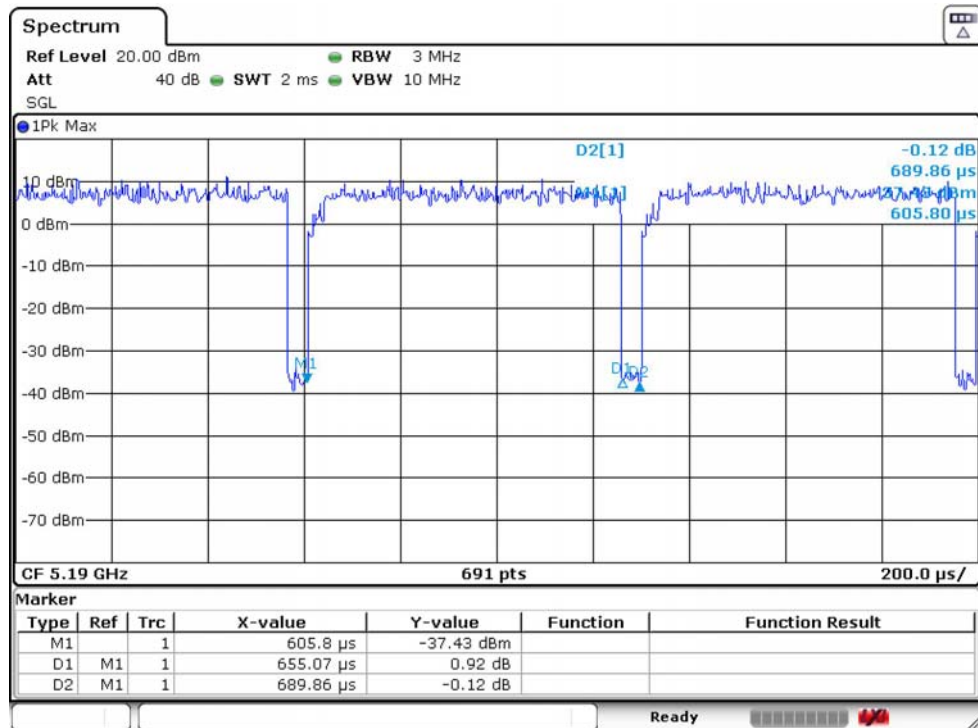
IEEE 802.11a 5180MHz



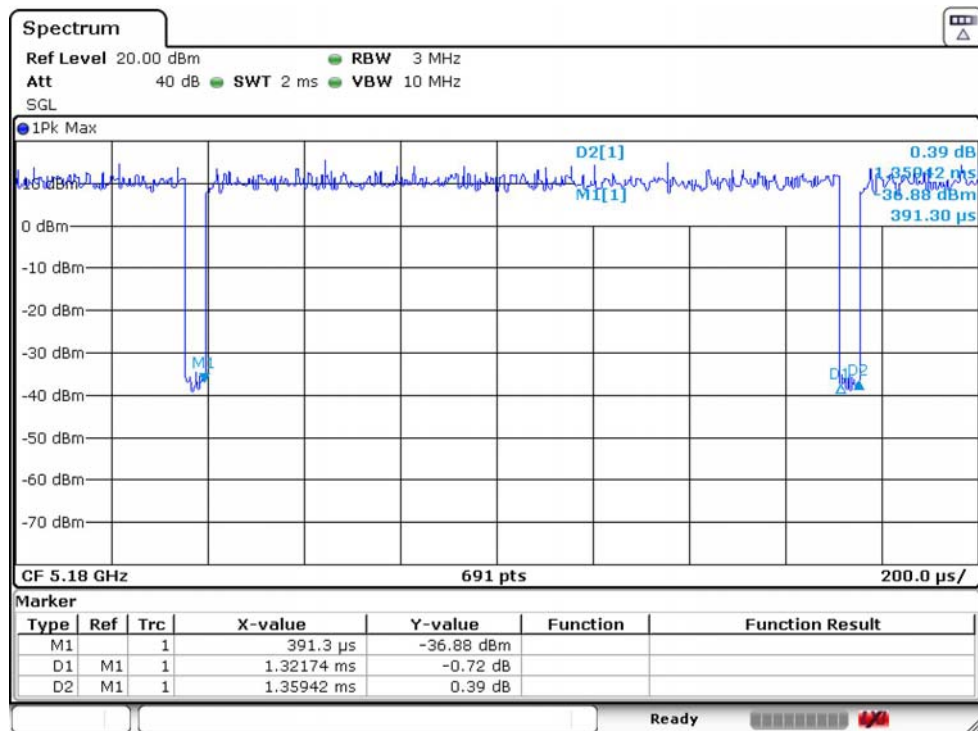
IEEE 802.11n HT20 5180MHz



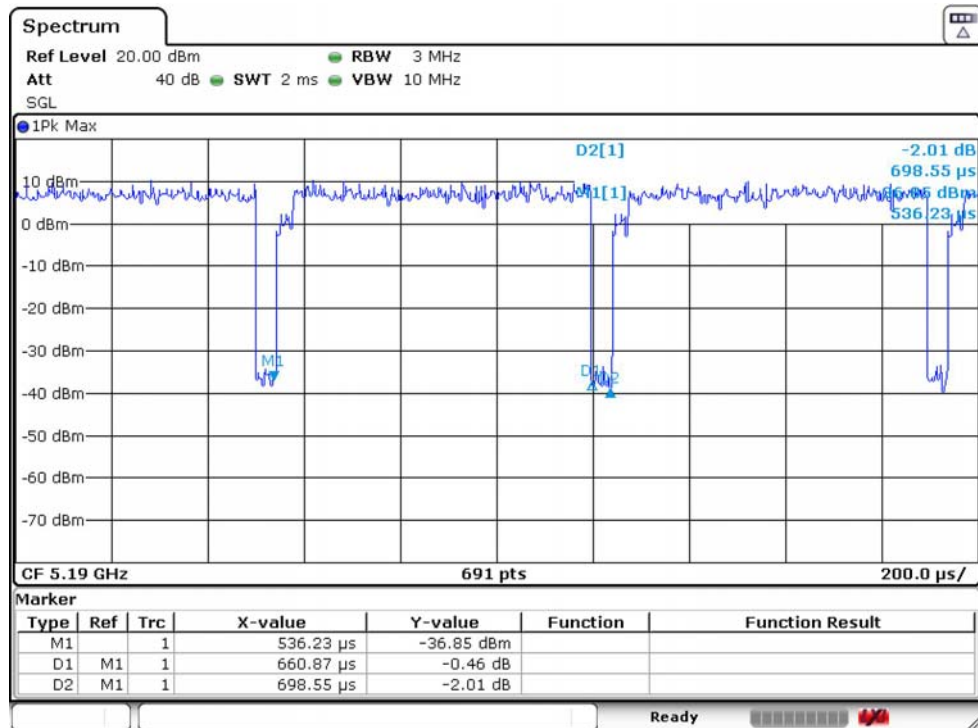
IEEE 802.11n HT40 5190MHz



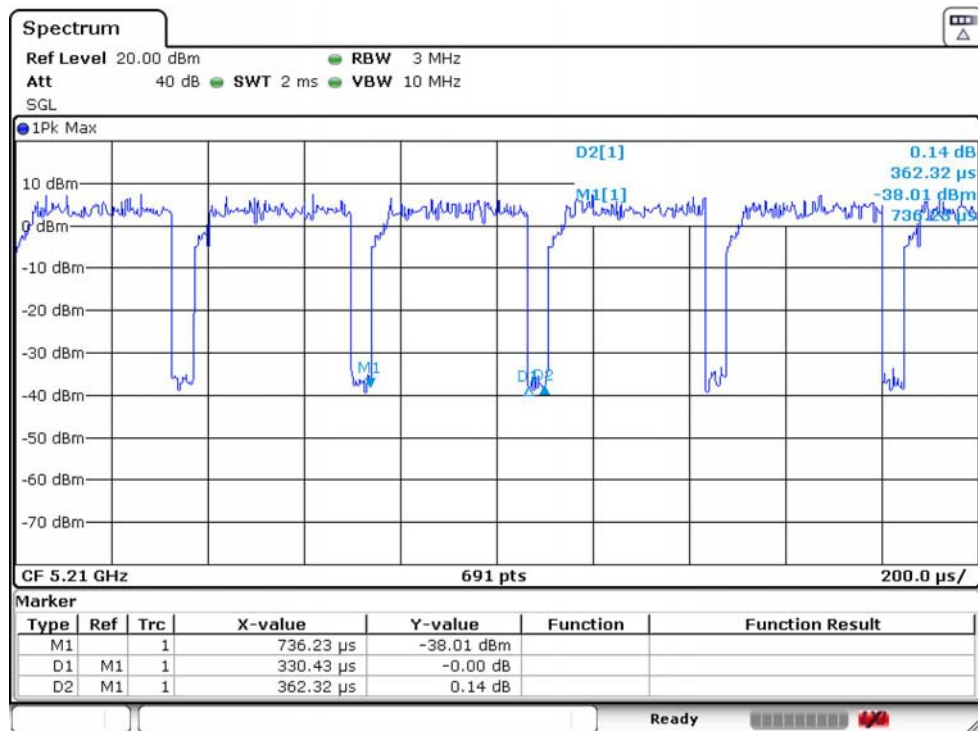
IEEE 802.11ac VHT20 5180MHz



IEEE 802.11ac VHT40 5190MHz



IEEE 802.11ac VHT80 5210MHz



2.10. Test Equipment List

For AC power conducted emissions test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	EST-E001	LISAI	June 14,19	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E002	LISAI	June 14,19	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E078	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

For radiated emissions test(9KHz-30MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 14,19	1 Year
Active Loop Antenna	SCHWARZB ECK	FMZB 1519B	EST-E054	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
9kHz-30MHz Cable	N/A	EST-001	N/A	N/A	N/A	N/A

For radiated emissions test(30MHz-1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 14,19	1 Year
Bilog Antenna	Teseq	CBL 6111D	EST-E034	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
30-1000MHz Cable	N/A	EST-002	N/A	N/A	N/A	N/A

For radiated emissions test(Above 1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	EST-E031	LISAI	June 14,19	1 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	EST-E032	LISAI	June 14,19	1 Year
Spectrum Analyzer	Rohde & Schwarz	FSV40	EST-E069	LISAI	June 14,19	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
Above 1GHz Cable	N/A	EST-003	N/A	N/A	N/A	N/A

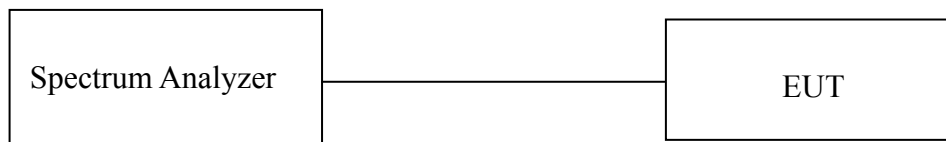
For connect EUT antenna terminal test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
TS 8997	Rohde & Schwarz	/	/	/	/	/
Open Switch and Control Unit	Rohde & Schwarz	OSP-B157WB	EST-E036	LISAI	June 14,19	1 Year
Signal and Spectrum Analyzer	Rohde & Schwarz	FSV	EST-E037	LISAI	June 14,19	1 Year
Signal Generator	Rohde & Schwarz	SMB100A	EST-E038	LISAI	June 14,19	1 Year
Vector Signal Generator	Rohde & Schwarz	SMBV100A	EST-E039	LISAI	June 14,19	1 Year
Test Software	Rohde & Schwarz	WMS32	V10.50.00	N/A	N/A	N/A
Temperature controller	Terchy	MHQ	EST-E101	LISAI	June 14,19	1 Year

3. 6dB BANDWIDTH & 26dB BANDWIDTH & 99% OCCUPIED BANDWIDTH

3.1. Limit

Band	Frequency (MHz)	Test Item	Limit
U-NII-1	5150-5250	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-2A	5250-5350	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-2C	5470-5725	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-3	5725-5850	6dB Bandwidth&99% Occupied Bandwidth	6dB Bandwidth $\geq$ 500KHz

3.2. Test Setup



3.3. Spectrum Analyzer Setting

6dB Bandwidth	
Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

26dB Bandwidth	
Spectrum Parameters	Setting
RBW	approximately 1% of the emission bandwidth
VBW	> RBW
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

99% Occupied Bandwidth	
Spectrum Parameters	Setting
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Span	between 1.5 times and 5.0 times the OBW
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

3.4. Test Procedure

For 26dB Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 3.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

For 6dB Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 3.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

For 99% Occupied Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 3.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the 99% power bandwidth function to measure bandwidth.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

3.5. Test Result

Temperature	27°C	Relative Humidity	54%	Test Voltage	120V/60Hz
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3.6. Test Result

BAND	Test Mode	Fre (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Calculate Power Limit (W)	Calculate Power Limit (dBm)
U-NII-1	IEEE 802.11a	5180	20.087	16.729		
		5200	20.318	16.556		
		5240	20.203	16.729		
	IEEE 802.11n HT20	5180	20.608	17.656		
		5200	20.666	17.771		
		5240	20.55	17.771		
	IEEE 802.11ac VHT20	5180	20.55	17.713		
		5200	20.666	17.656		
		5240	20.55	17.656		
	IEEE 802.11n HT40	5190	41.071	36.932		
		5230	40.724	36.816		
	IEEE 802.11ac VHT40	5190	41.245	36.585		
		5230	41.158	36.700		
	IEEE 802.11ac VHT80	5210	81.27	75.369		
U-NII-2A	IEEE 802.11a	5260	20.145	16.556	0.2500	23.98
		5300	20.145	16.556	0.2500	23.98
		5320	20.087	16.845	0.2500	23.98
	IEEE 802.11n HT20	5260	20.608	17.713	0.2500	23.98
		5300	20.55	17.656	0.2500	23.98
		5320	20.608	17.771	0.2500	23.98
	IEEE 802.11ac VHT20	5260	20.608	17.713	0.2500	23.98
		5300	20.434	17.656	0.2500	23.98
		5320	20.492	17.713	0.2500	23.98
	IEEE 802.11n HT40	5270	41.071	36.700	0.2500	23.98
		5310	41.158	36.816	0.2500	23.98
	IEEE 802.11ac VHT40	5270	40.984	36.585	0.2500	23.98
		5310	40.984	36.585	0.2500	23.98
	IEEE 802.11ac VHT80	5290	81.62	75.369	0.2500	23.98
U-NII-2C	IEEE 802.11a	5500	20.26	16.614	0.2500	23.98
		5580	20.087	16.614	0.2500	23.98
		5700	20.203	16.729	0.2500	23.98
	IEEE 802.11n HT20	5500	20.666	17.713	0.2500	23.98
		5580	20.434	17.713	0.2500	23.98
		5700	20.55	17.829	0.2500	23.98
	IEEE 802.11ac VHT20	5500	20.434	17.713	0.2500	23.98
		5580	20.608	17.771	0.2500	23.98
		5700	20.608	17.656	0.2500	23.98
	IEEE 802.11n HT40	5510	40.55	36.816	0.2500	23.98
		5590	44.197	36.816	0.2500	23.98
		5670	41.158	36.816	0.2500	23.98
	IEEE 802.11ac VHT40	5510	41.071	36.585	0.2500	23.98
		5590	41.071	36.700	0.2500	23.98
		5670	41.158	36.585	0.2500	23.98
	IEEE 802.11ac VHT80	5530	81.45	75.369	0.2500	23.98
		5610	81.27	75.369	0.2500	23.98

Temperature	23℃	Relative Humidity	55%	Test Voltage	120V/60Hz	
6dB Bandwidth&99% Occupied Bandwidth						
BAND	Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	6dB BW Min Limit (MHz)	Result
U-NII-3	IEEE 802.11a	5745	15.128	16.845	0.5	PASS
		5785	15.342	16.614	0.5	PASS
		5825	15.142	16.903	0.5	PASS
	IEEE 802.11n HT20	5745	15.368	17.771	0.5	PASS
		5785	15.342	17.771	0.5	PASS
		5825	15.435	17.771	0.5	PASS
	IEEE 802.11ac VHT20	5745	15.315	17.598	0.5	PASS
		5785	15.142	17.598	0.5	PASS
		5825	15.941	17.656	0.5	PASS
	IEEE 802.11n HT40	5755	35.122	36.816	0.5	PASS
		5795	35.122	36.816	0.5	PASS
	IEEE 802.11ac VHT40	5755	35.122	36.585	0.5	PASS
		5795	35.122	36.585	0.5	PASS
	IEEE 802.11ac VHT80	5775	75.142	75.369	0.5	PASS

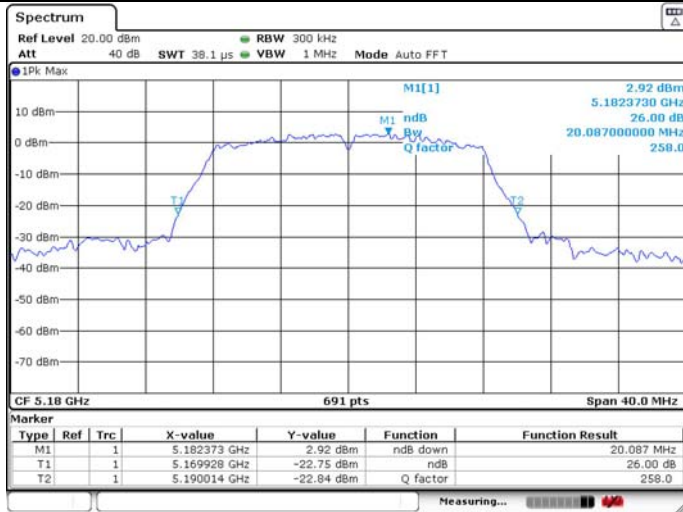
Note :

For Band U-NII-2A and U-NII-2C, the maximum conducted output power limit is 250mw or $11+10 \times \log B$, which is lesser, where B is the 26dB Bandwidth in MHz. So in this section, the maximum conducted output power limit can calculate with 26dB Bandwidth.

3.7. Test Result

U-NII-1 IEEE 802.11a 5180MHz

26dB Bandwidth

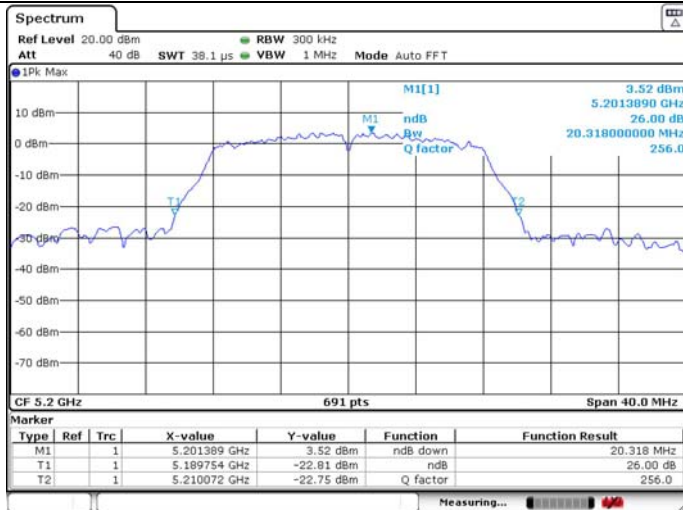


99% Occupied Bandwidth



U-NII-1 IEEE 802.11a 5200MHz

26dB Bandwidth

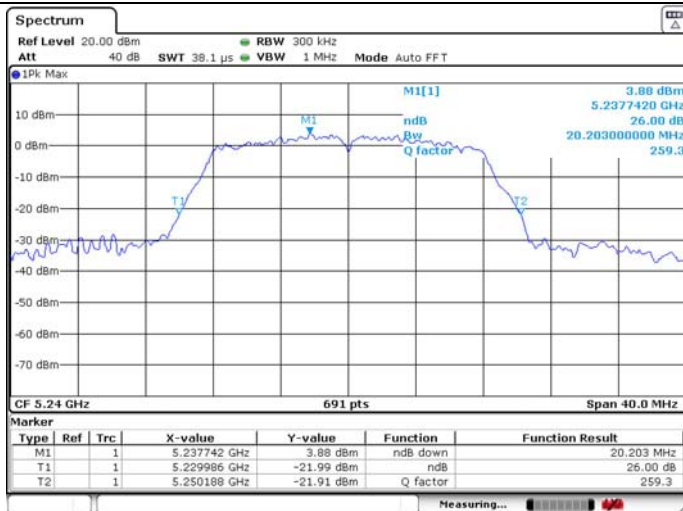


99% Occupied Bandwidth



U-NII-1 IEEE 802.11a 5240MHz

26dB Bandwidth

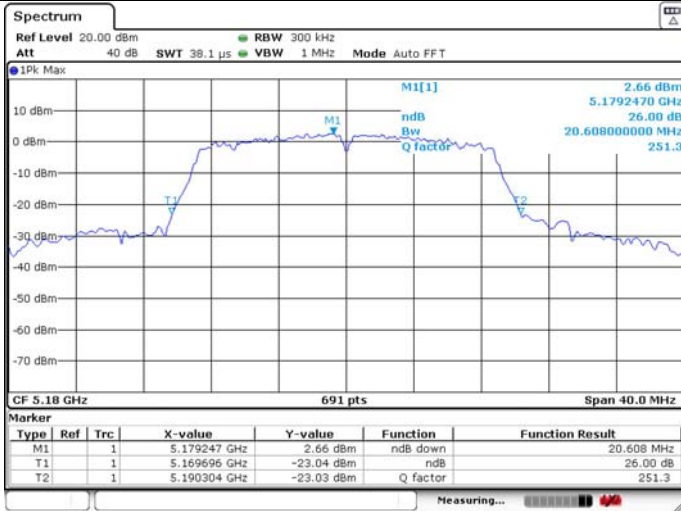


99% Occupied Bandwidth



U-NII-1 IEEE 802.11n HT20 5180MHz

26dB Bandwidth

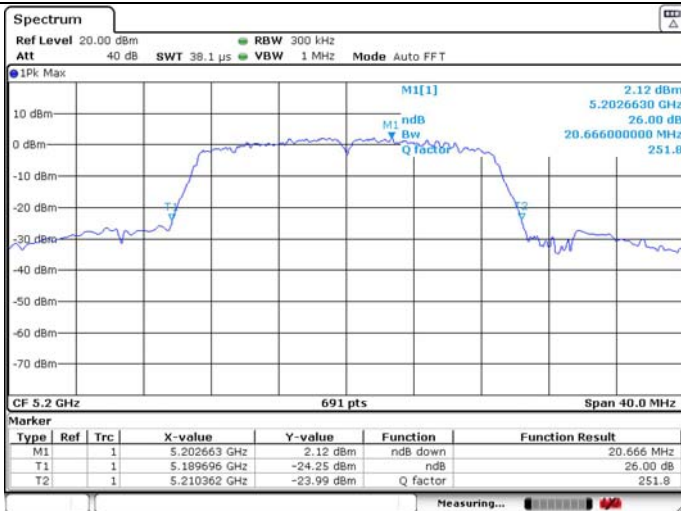


99% Occupied Bandwidth



U-NII-1 IEEE 802.11n HT20 5200MHz

26dB Bandwidth

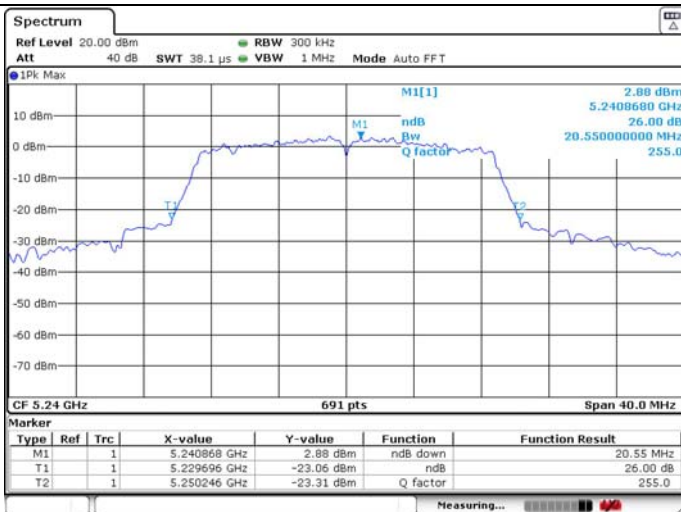


99% Occupied Bandwidth



U-NII-1 IEEE 802.11n HT20 5240MHz

26dB Bandwidth

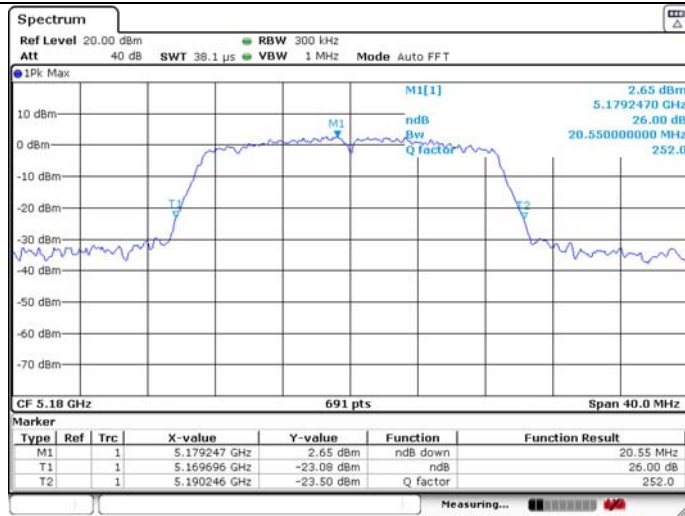


99% Occupied Bandwidth

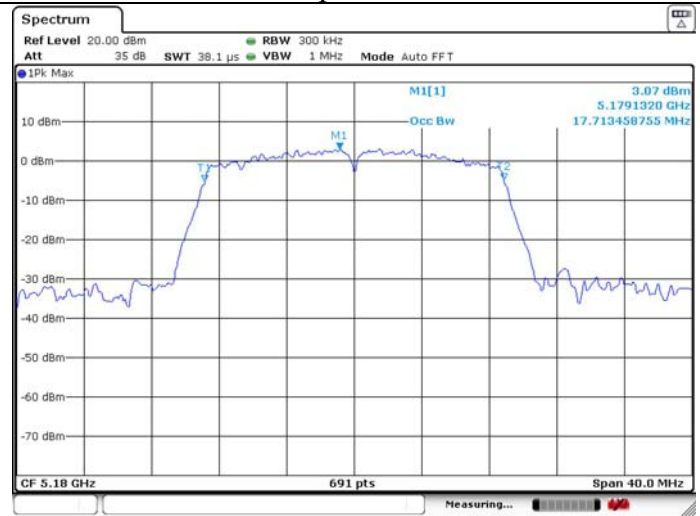


U-NII-1 IEEE 802.11ac VHT20 5180MHz

26dB Bandwidth

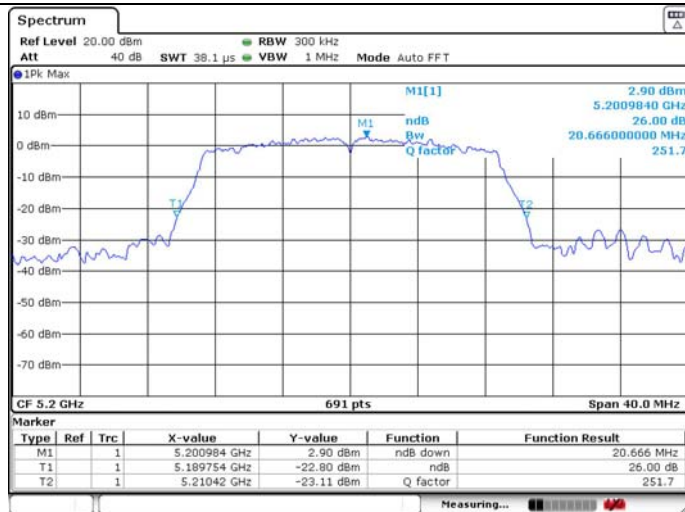


99% Occupied Bandwidth

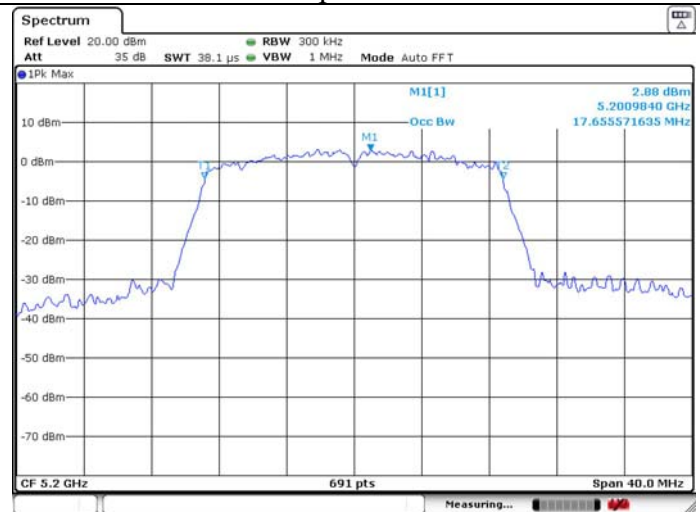


U-NII-1 IEEE 802.11ac VHT20 5200MHz

26dB Bandwidth

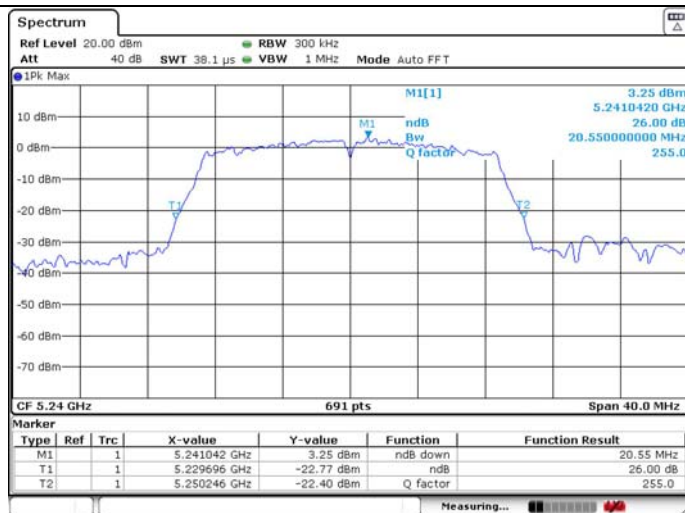


99% Occupied Bandwidth



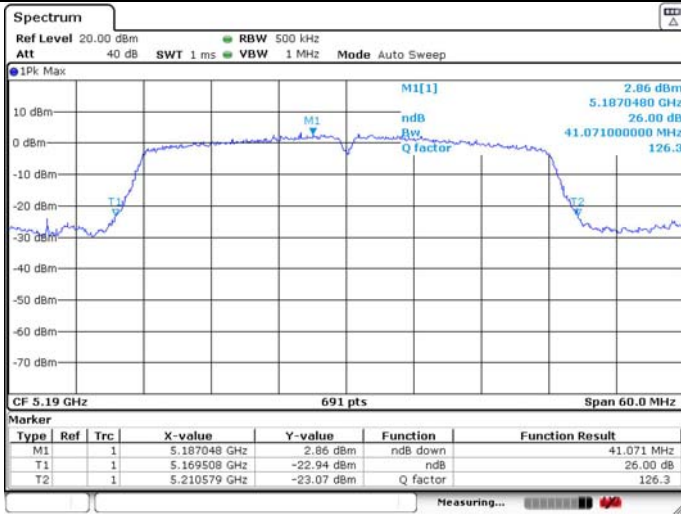
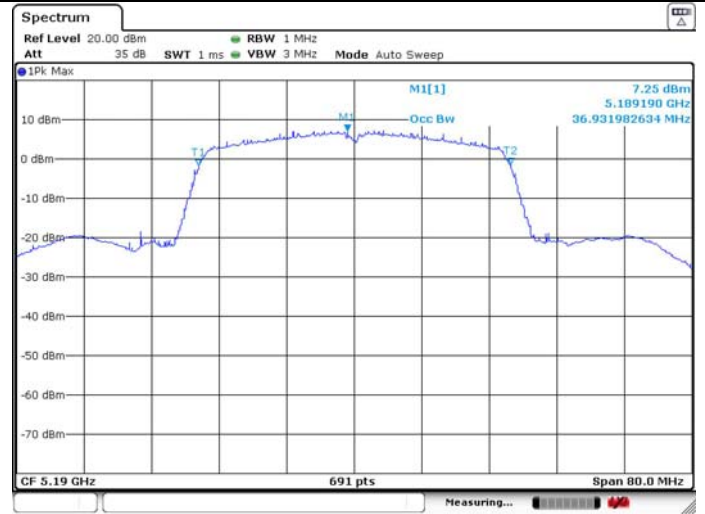
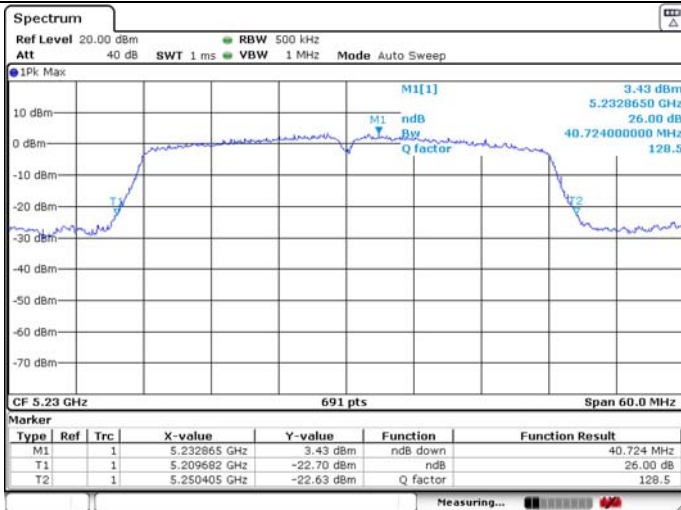
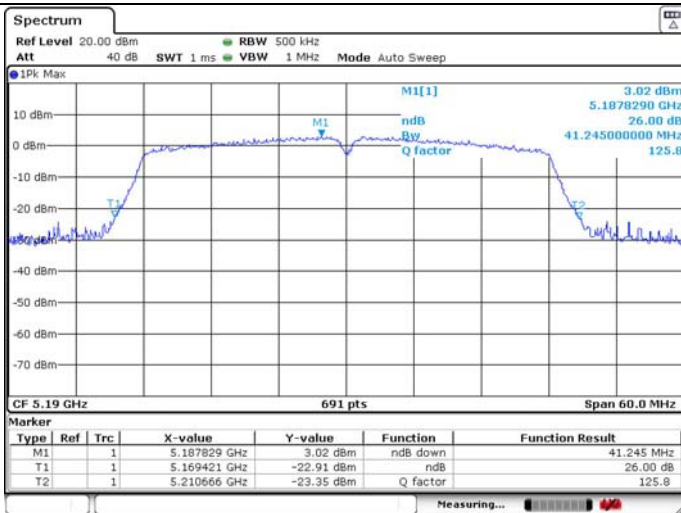
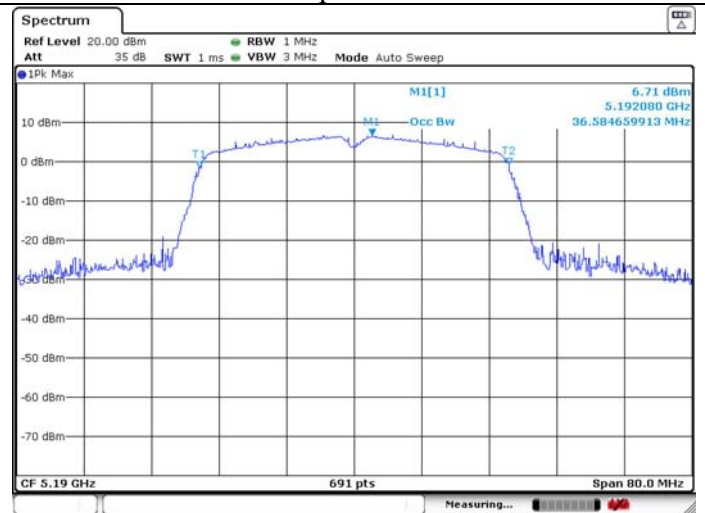
U-NII-1 IEEE 802.11ac VHT20 5240MHz

26dB Bandwidth



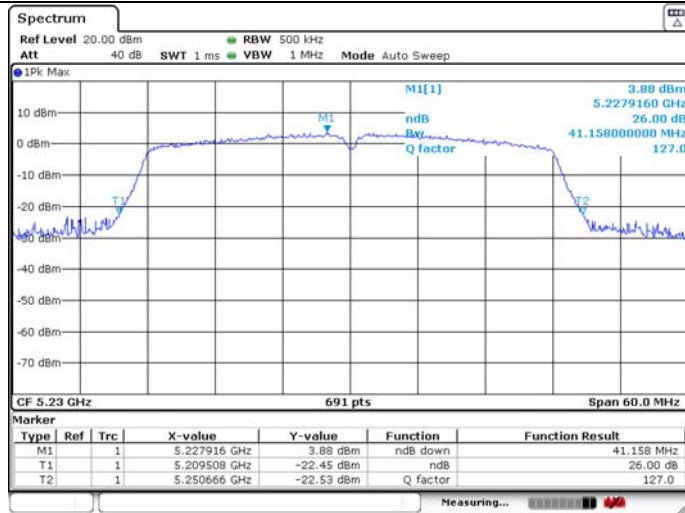
99% Occupied Bandwidth



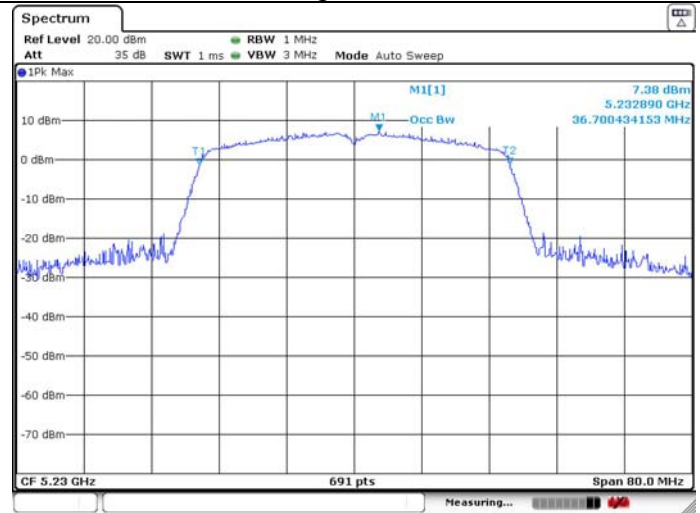
U-NII-1 IEEE 802.11n HT40 5190MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-1 IEEE 802.11n HT40 5230MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-1 IEEE 802.11ac VHT40 5190MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-1 IEEE 802.11ac VHT40 5230MHz

26dB Bandwidth

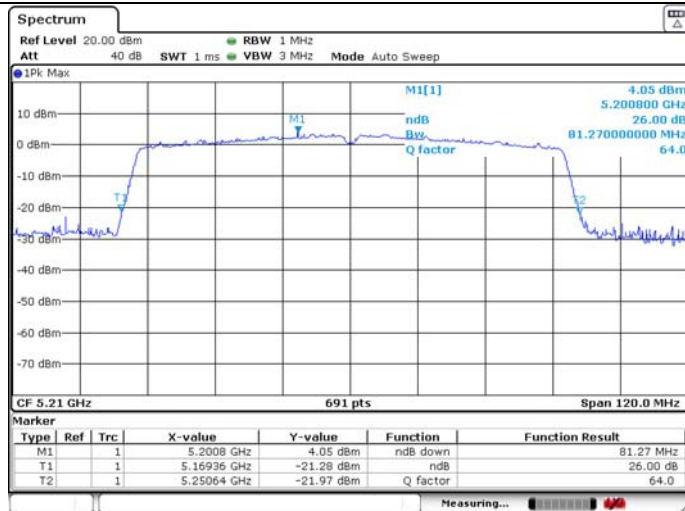


99% Occupied Bandwidth

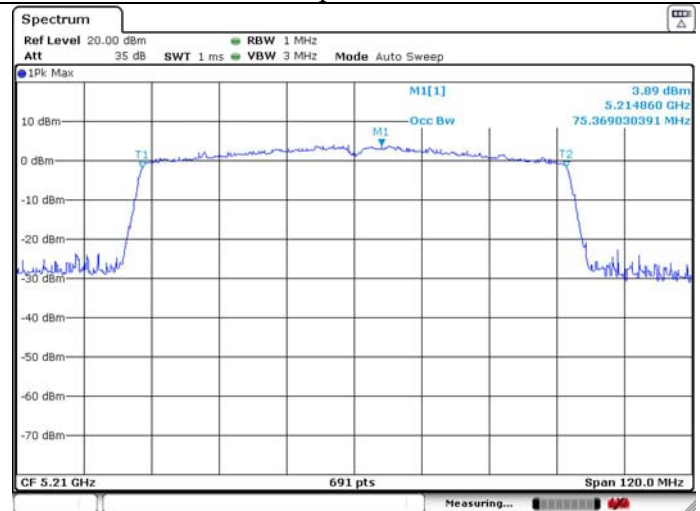


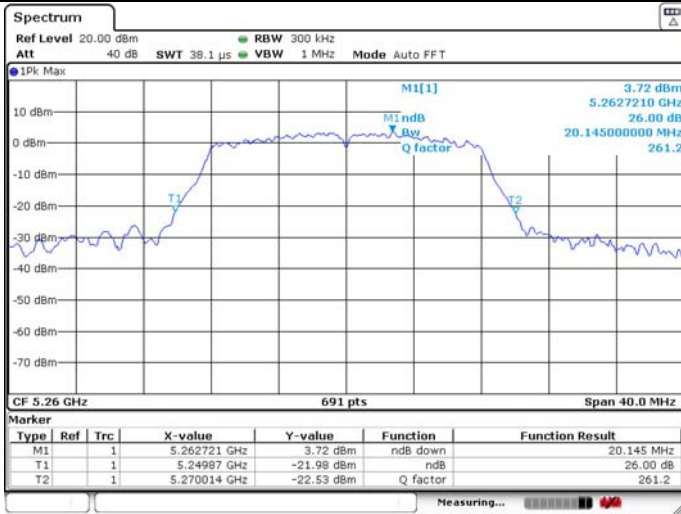
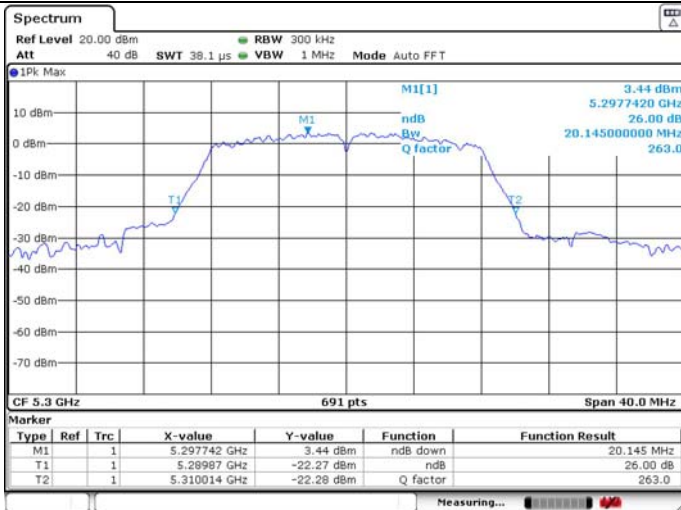
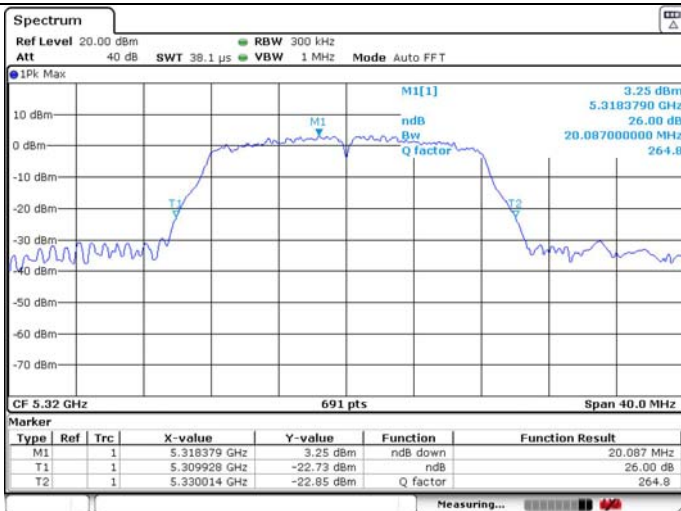
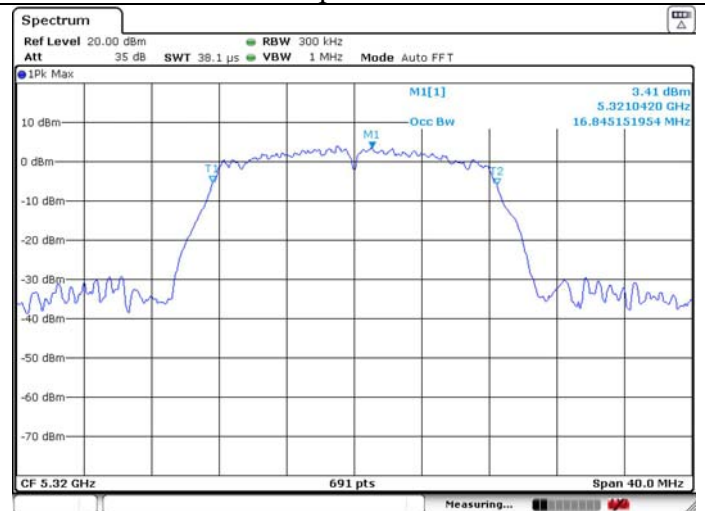
U-NII-1 IEEE 802.11ac VHT80 5210MHz

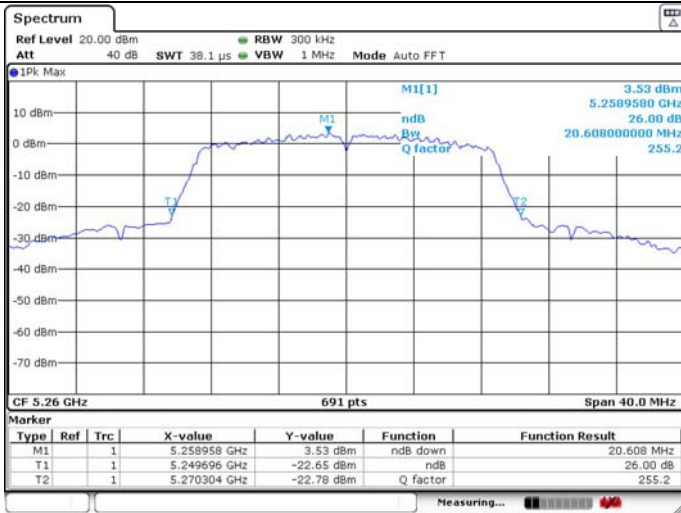
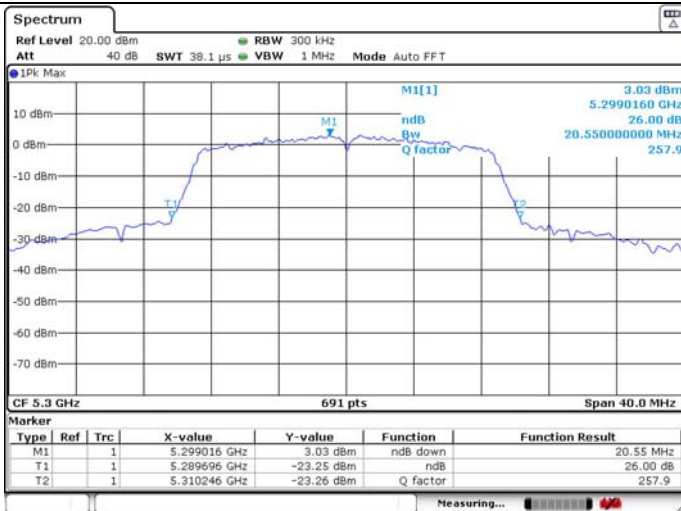
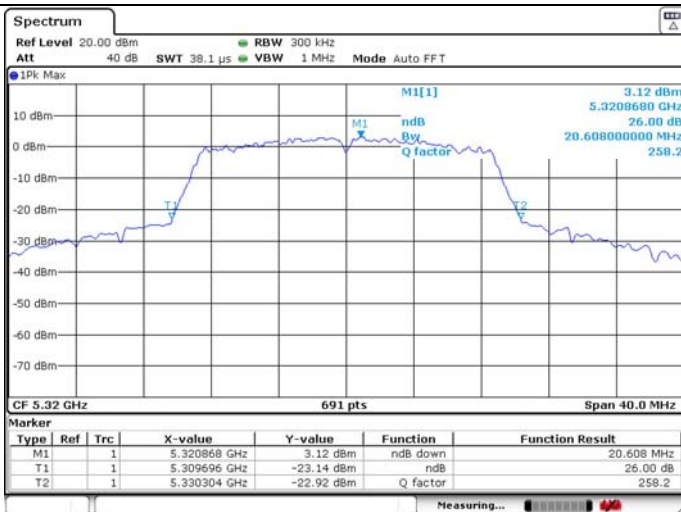
26dB Bandwidth

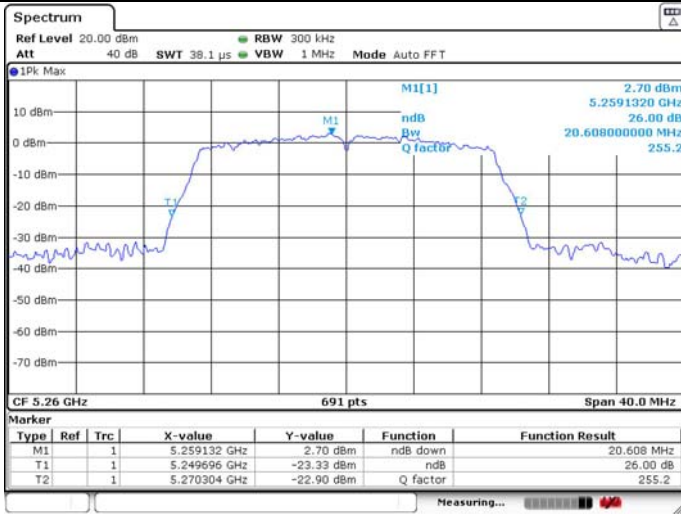
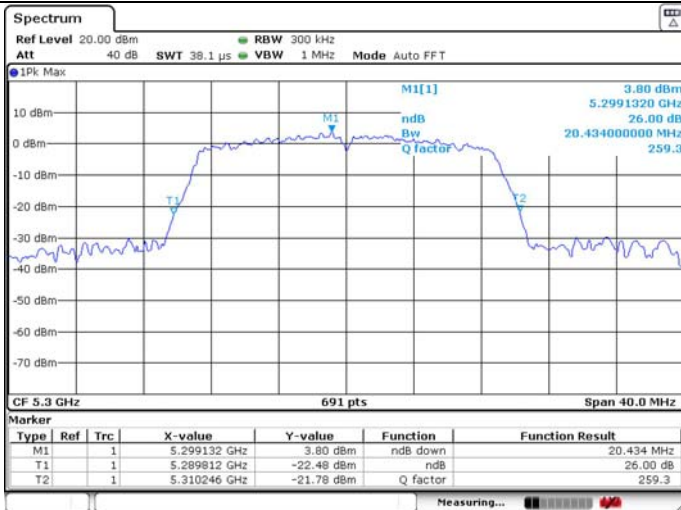
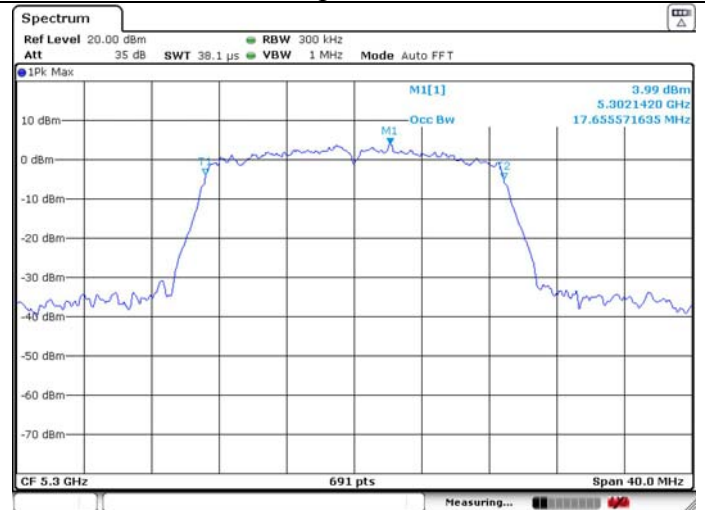
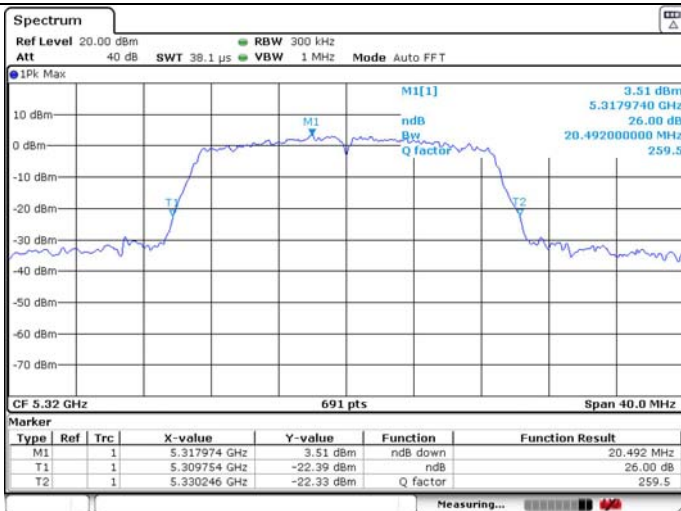
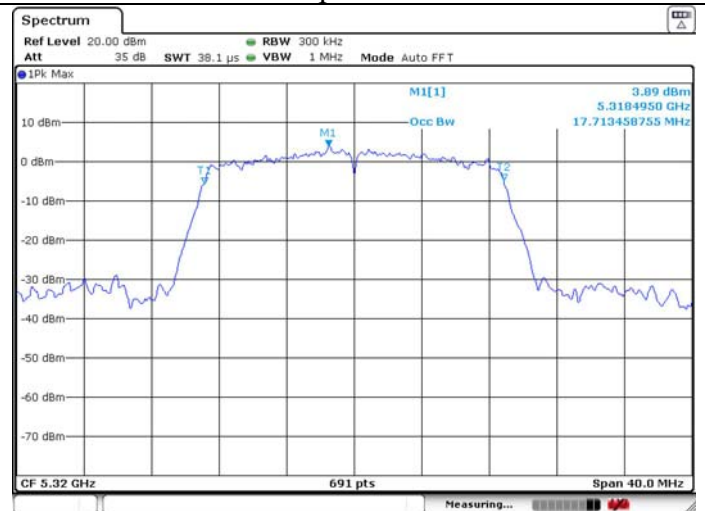


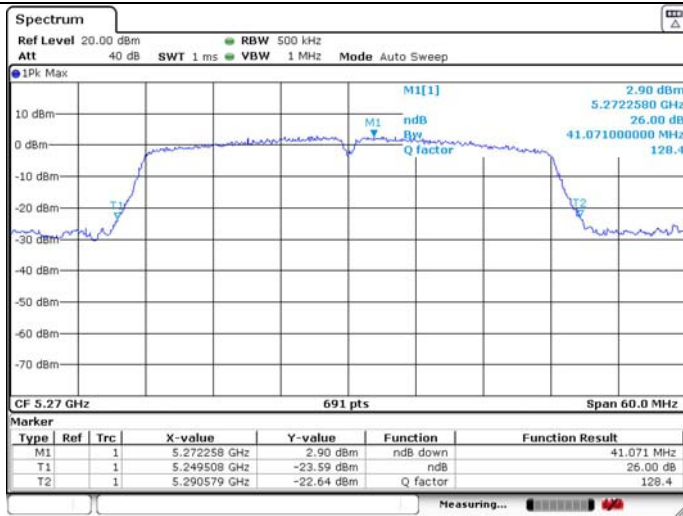
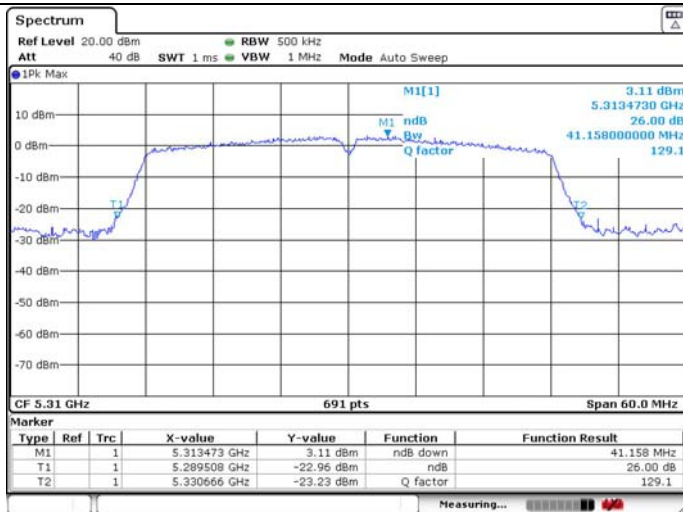
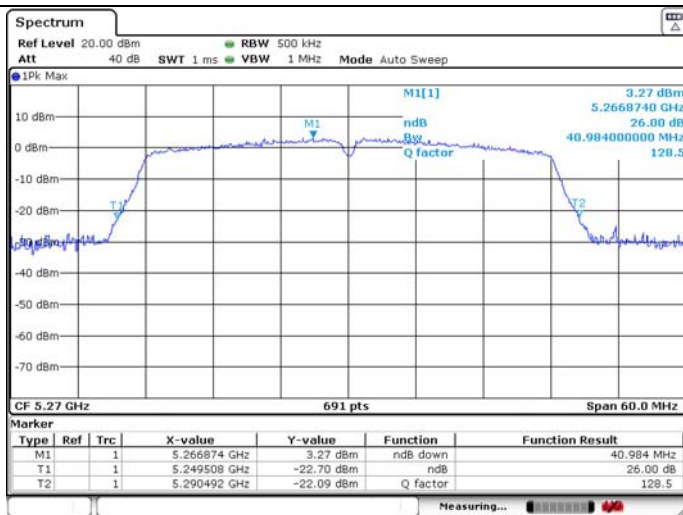
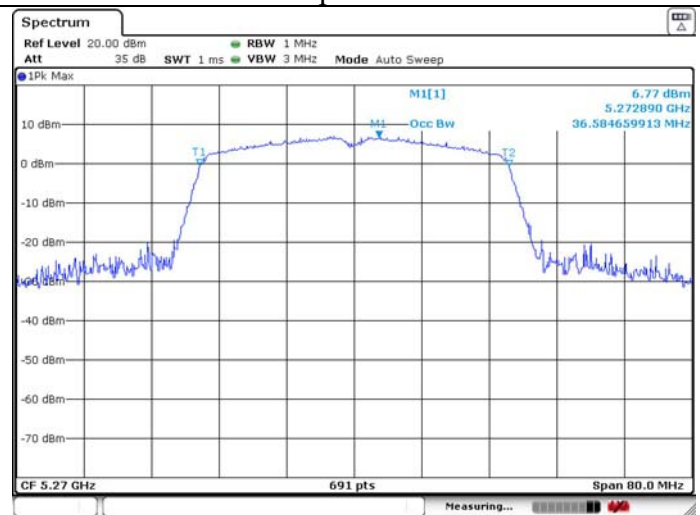
99% Occupied Bandwidth



U-NII-2A IEEE 802.11a 5260MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11a 5300MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11a 5320MHz****26dB Bandwidth****99% Occupied Bandwidth**

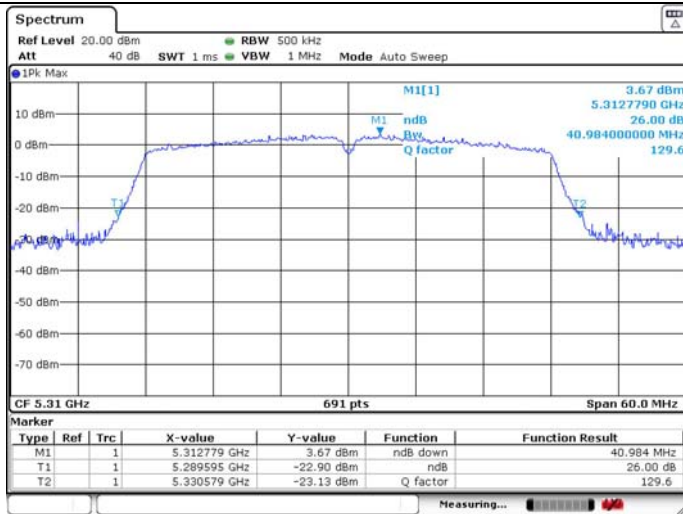
U-NII-2A IEEE 802.11n HT20 5260MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11n HT20 5300MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11n HT20 5320MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-2A IEEE 802.11ac VHT20 5260MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11ac VHT20 5300MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11ac VHT20 5320MHz****26dB Bandwidth****99% Occupied Bandwidth**

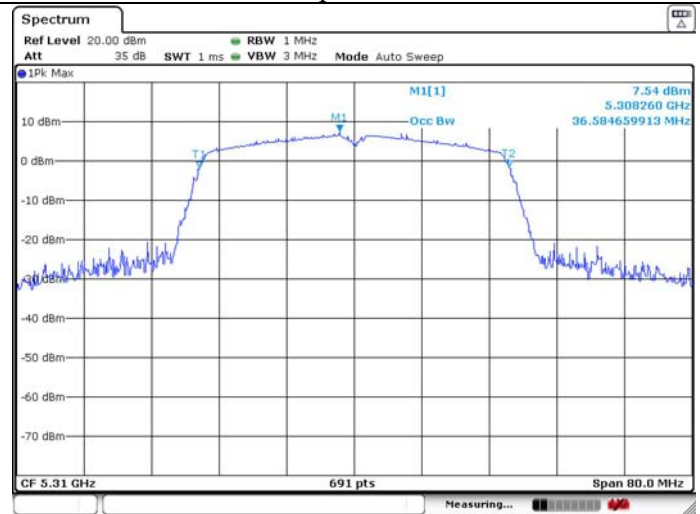
U-NII-2A IEEE 802.11n HT40 5270MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11n HT40 5310MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2A IEEE 802.11ac VHT40 5270MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-2A IEEE 802.11ac VHT40 5310MHz

26dB Bandwidth

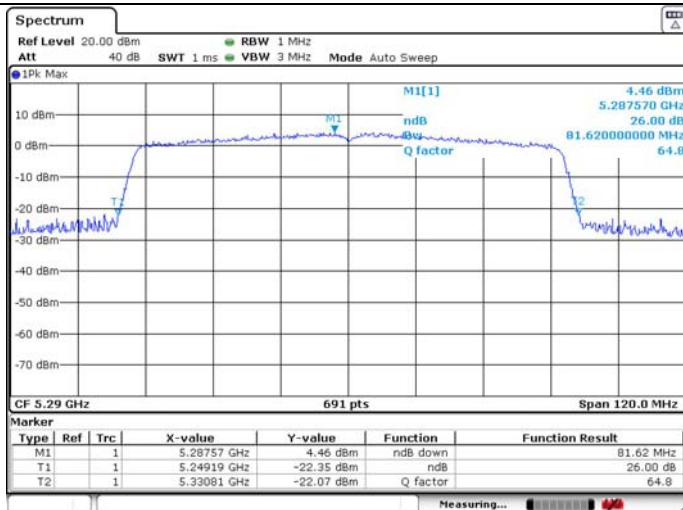


99% Occupied Bandwidth

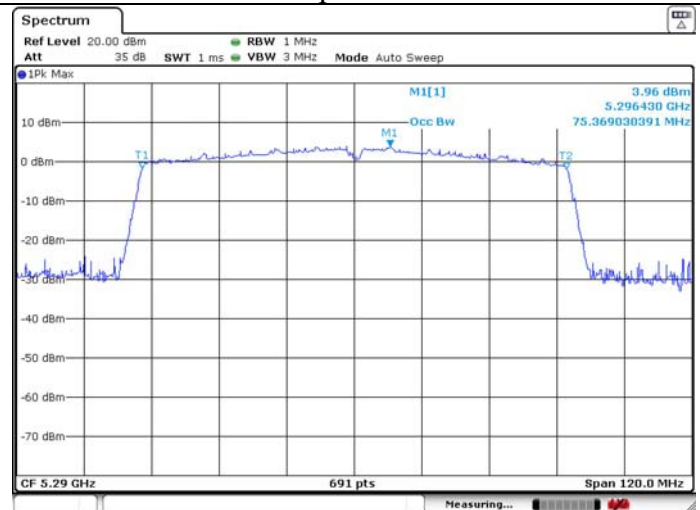


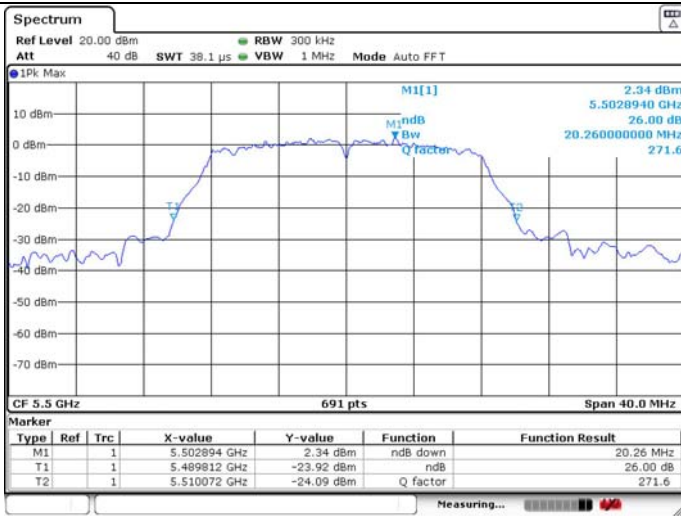
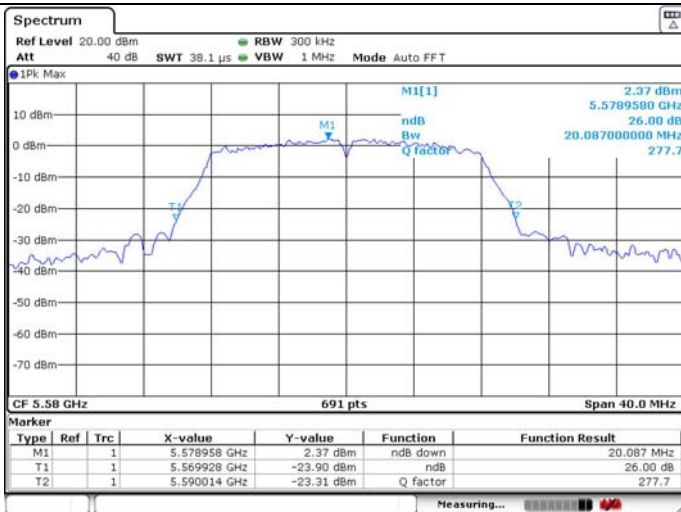
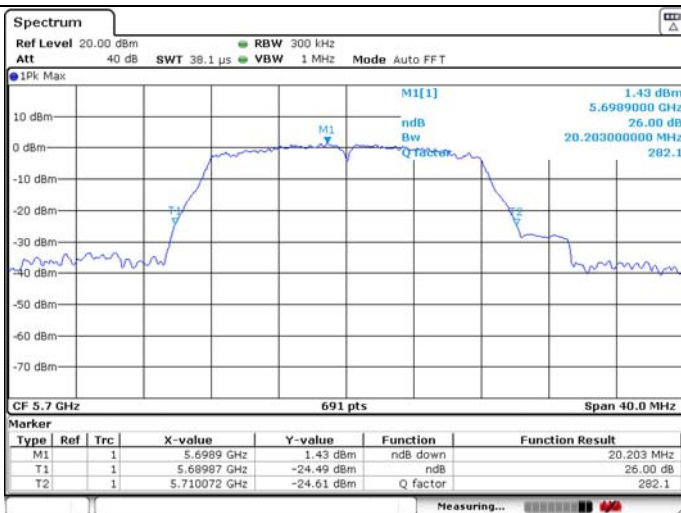
U-NII-2A IEEE 802.11ac VHT80 5290MHz

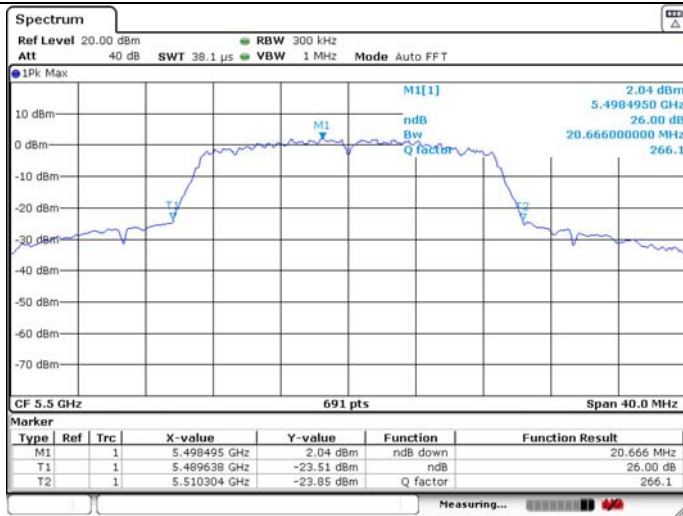
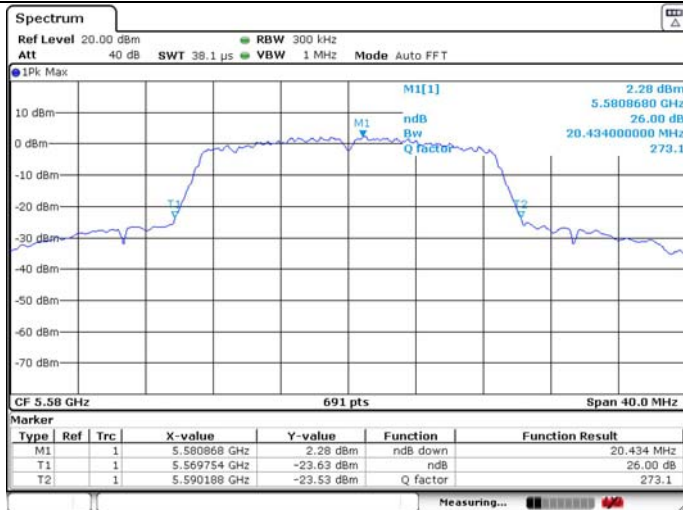
26dB Bandwidth



99% Occupied Bandwidth

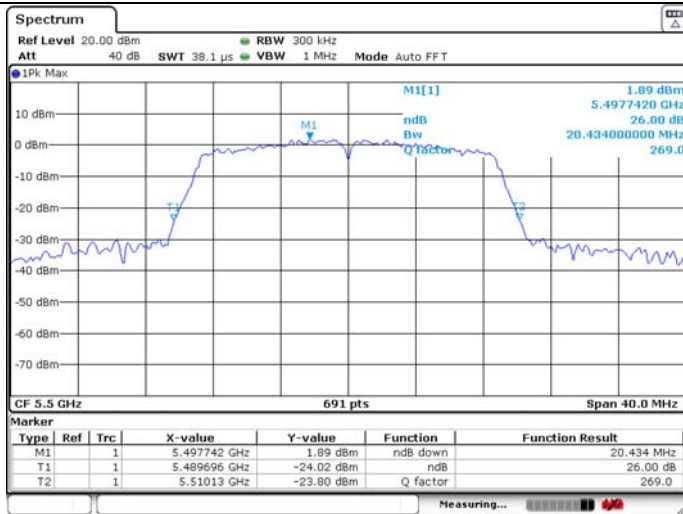


U-NII-2C IEEE 802.11a 5500MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11a 5580MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11a 5700MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-2C IEEE 802.11n HT20 5500MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11n HT20 5580MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11n HT20 5700MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-2C IEEE 802.11ac VHT20 5500MHz

26dB Bandwidth

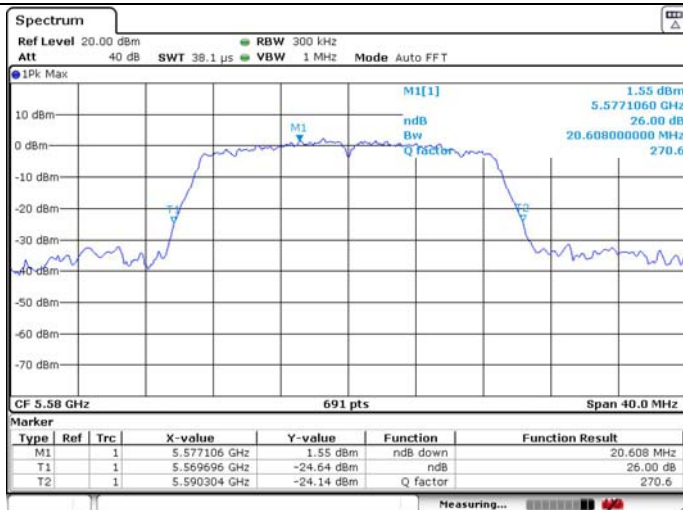


99% Occupied Bandwidth



U-NII-2C IEEE 802.11ac VHT20 5580MHz

26dB Bandwidth

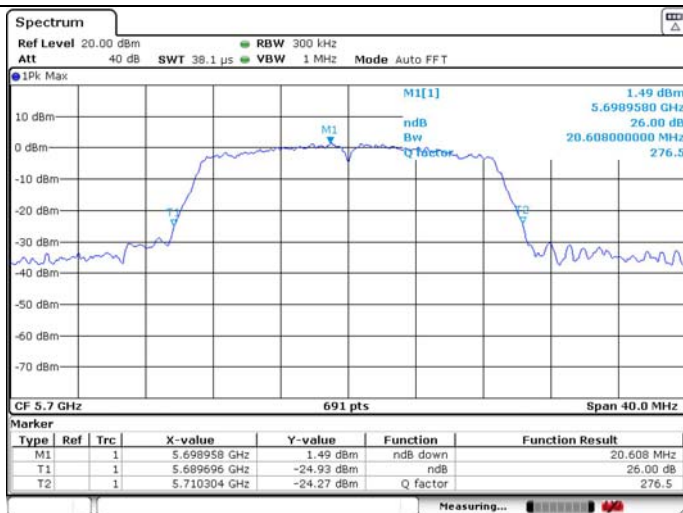


99% Occupied Bandwidth

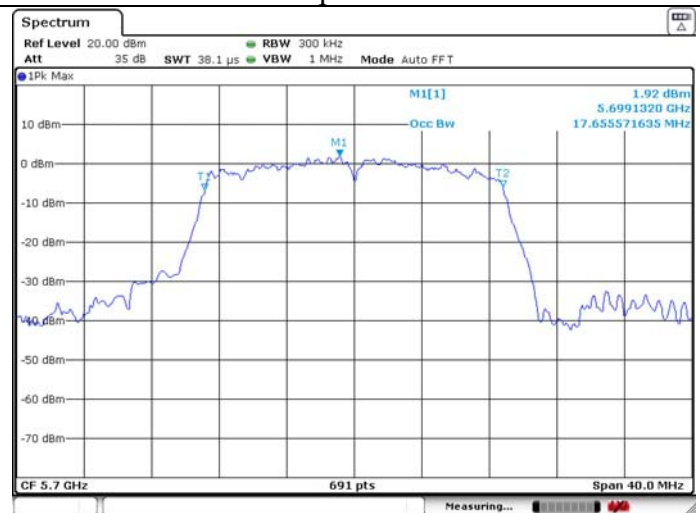


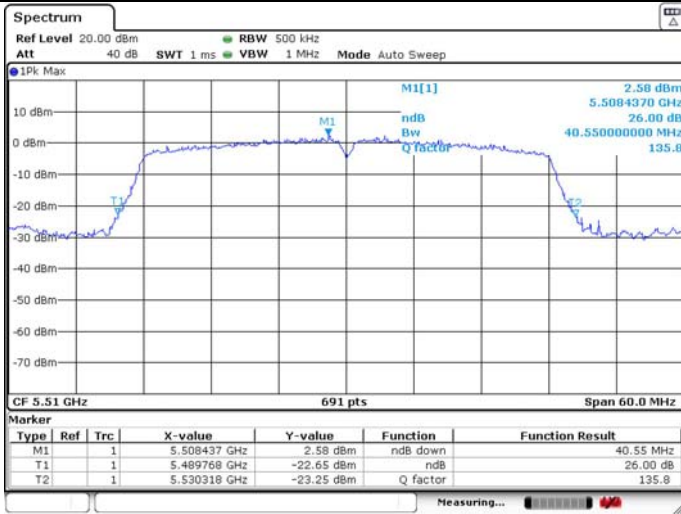
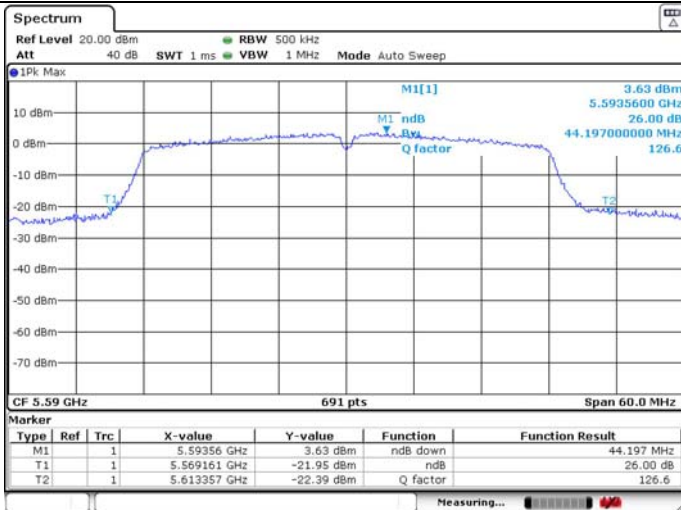
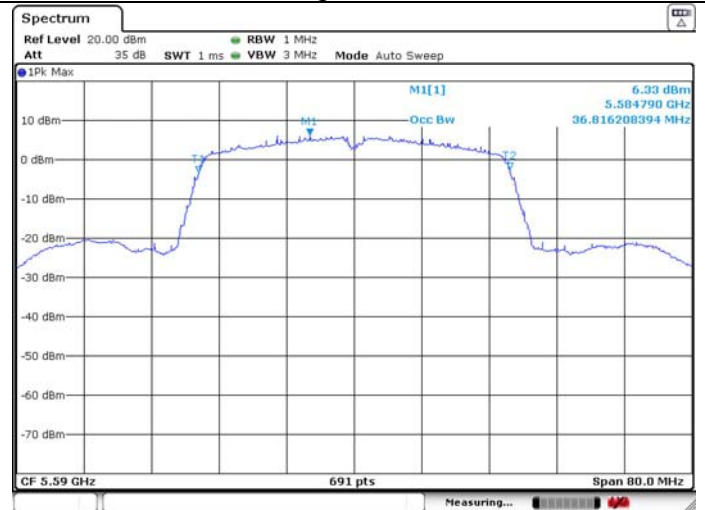
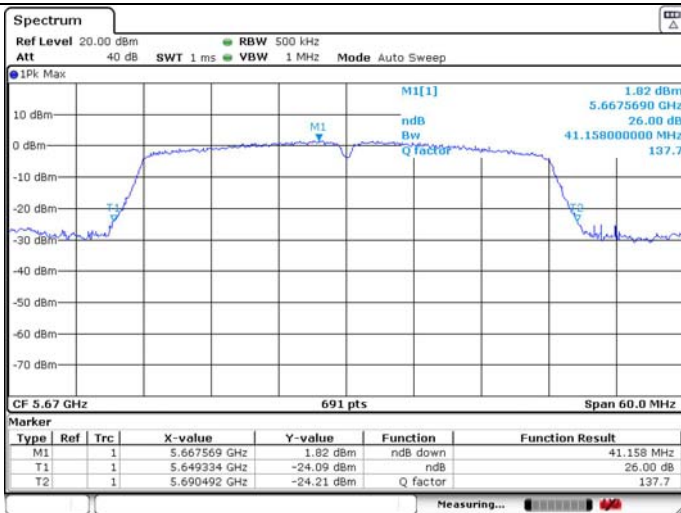
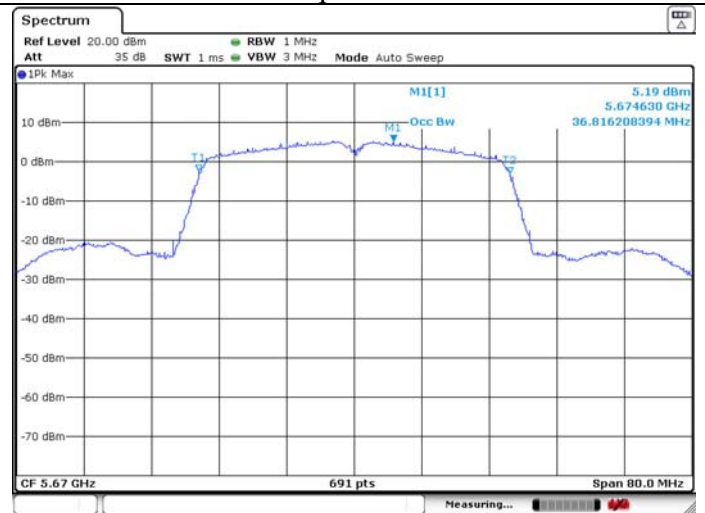
U-NII-2C IEEE 802.11ac VHT20 5700MHz

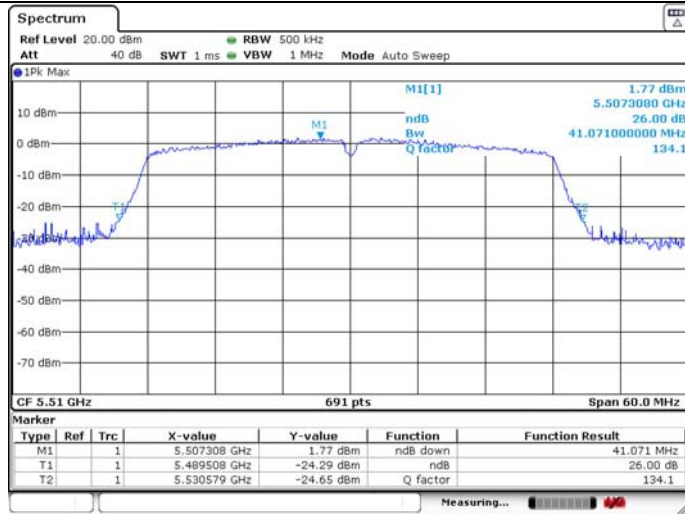
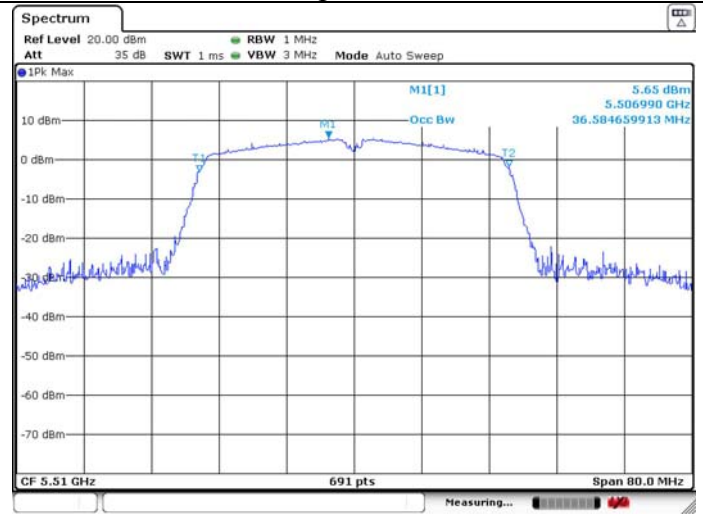
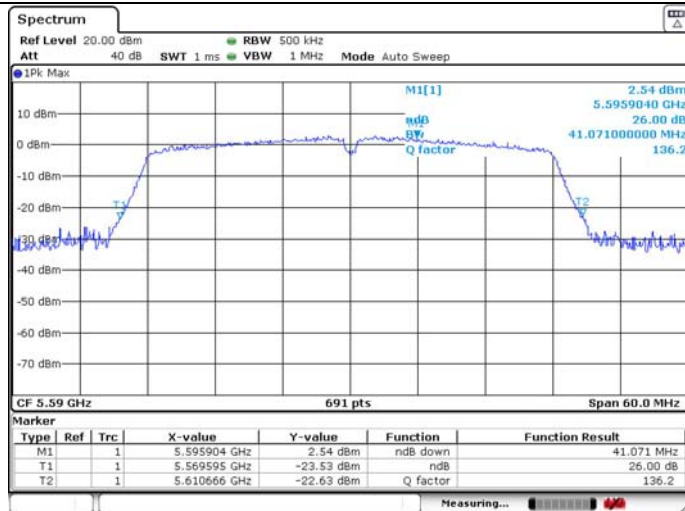
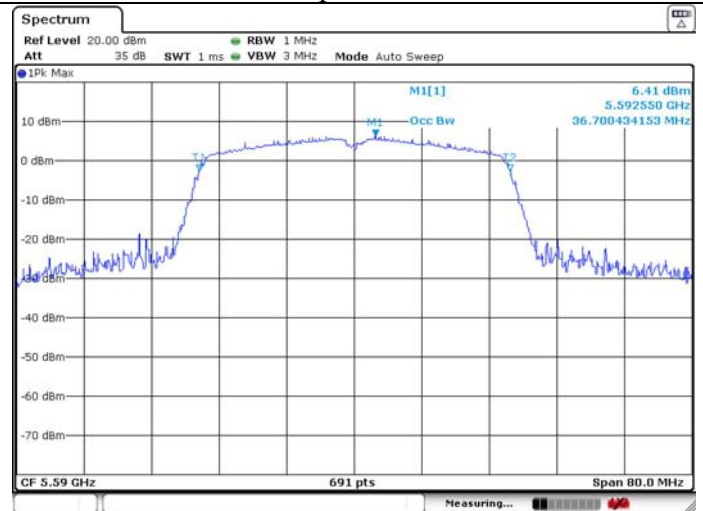
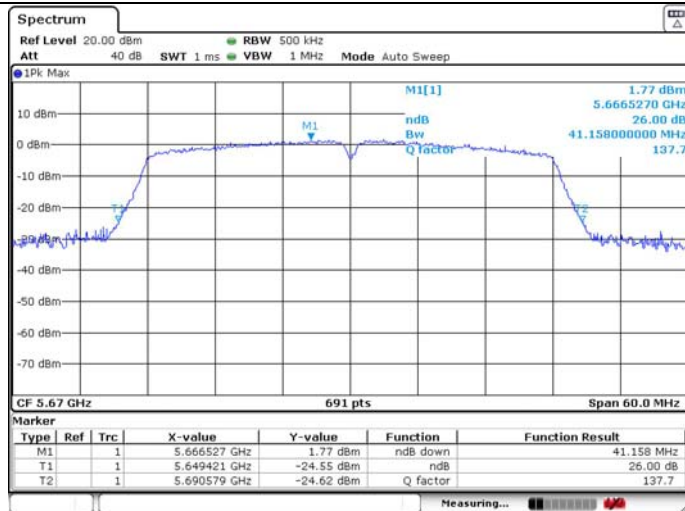
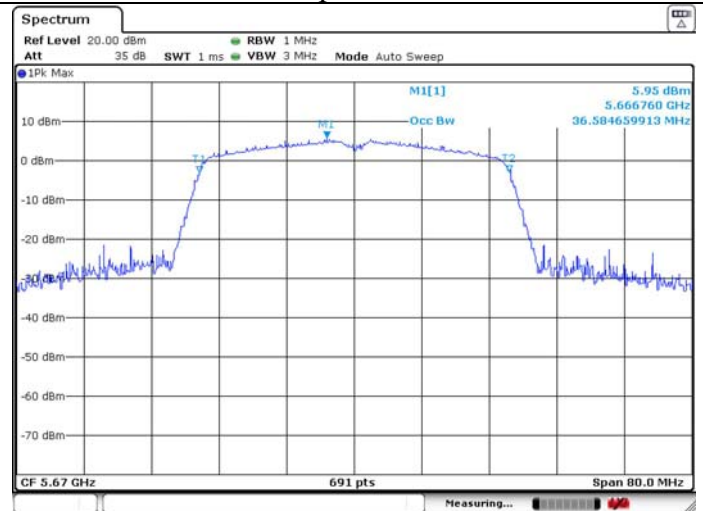
26dB Bandwidth

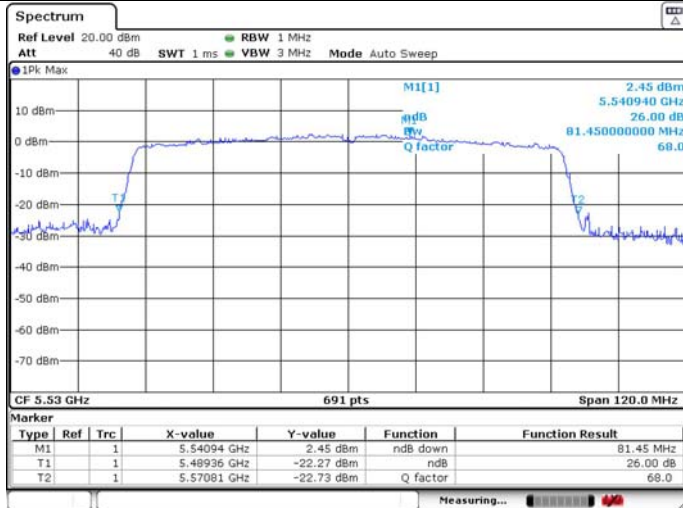
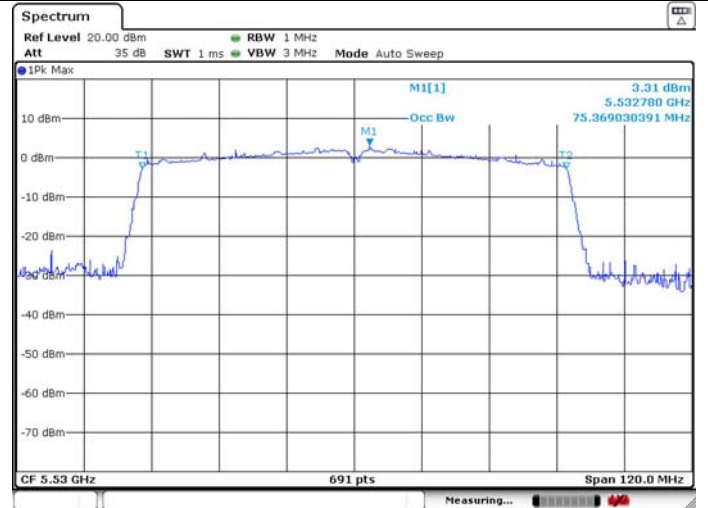
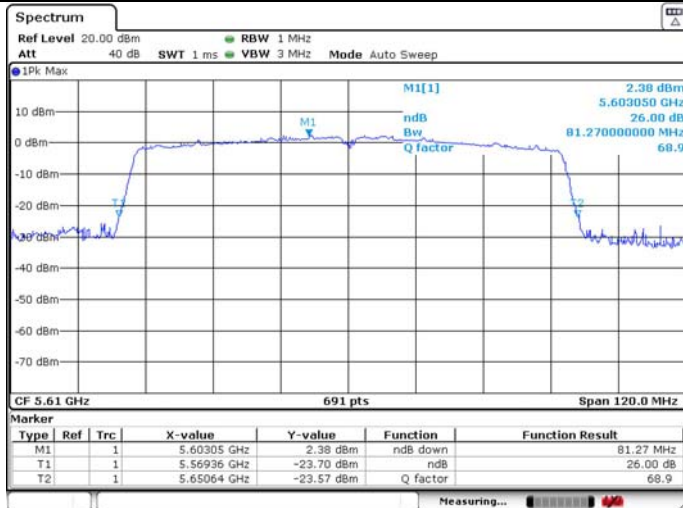


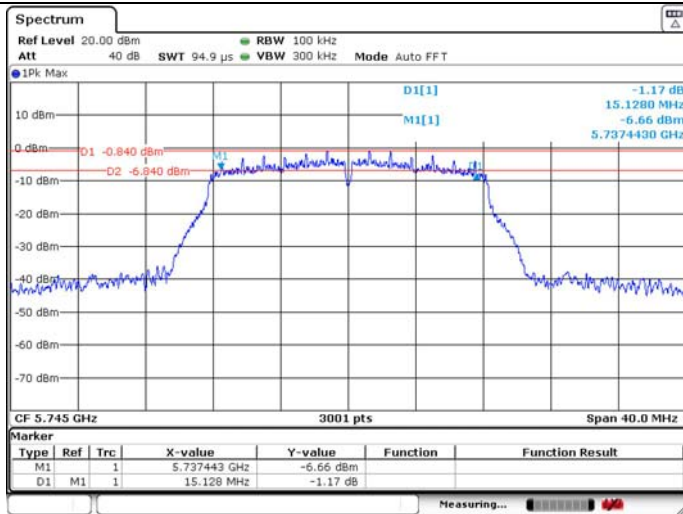
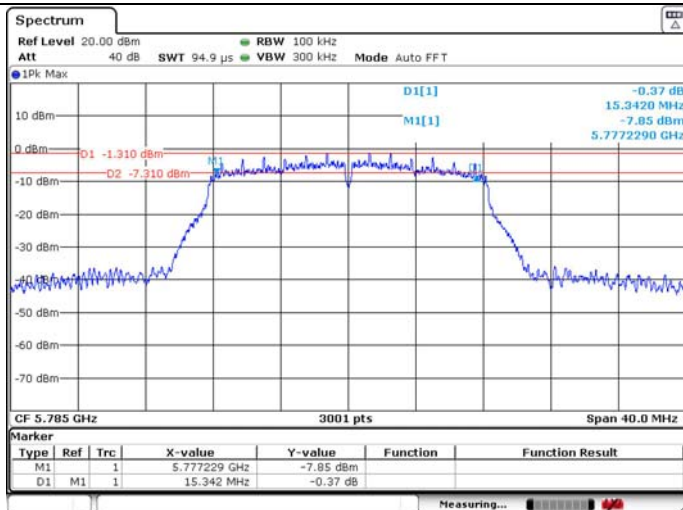
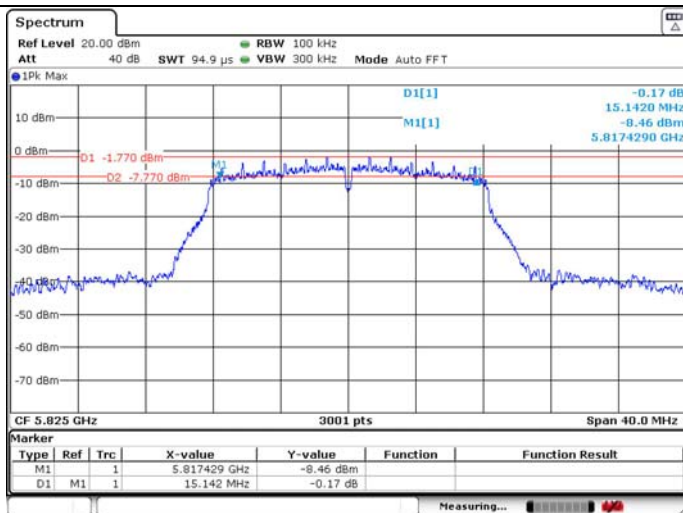
99% Occupied Bandwidth



U-NII-2C IEEE 802.11n HT40 5510MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11n HT40 5590MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11n HT40 5670MHz****26dB Bandwidth****99% Occupied Bandwidth**

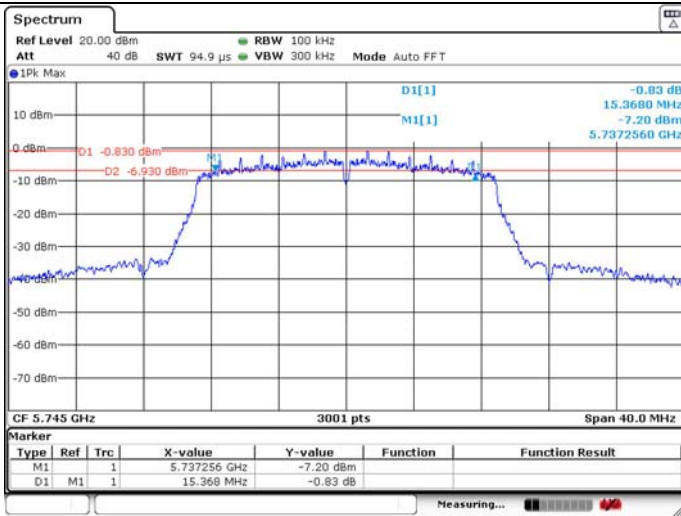
U-NII-2C IEEE 802.11ac VHT40 5510MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11ac VHT40 5590MHz****26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11ac VHT40 5670MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-2C IEEE 802.11ac VHT80 5530MHz**26dB Bandwidth****99% Occupied Bandwidth****U-NII-2C IEEE 802.11ac VHT80 5610MHz****26dB Bandwidth****99% Occupied Bandwidth**

U-NII-3 IEEE 802.11a 5745MHz**6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11a 5785MHz****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11a 5825MHz****6dB Bandwidth****99% Occupied Bandwidth**

U-NII-3 IEEE 802.11n HT20 5745MHz

6dB Bandwidth

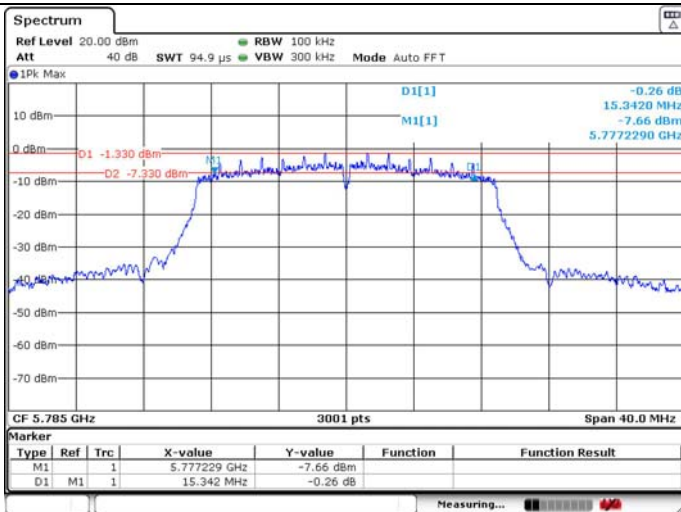


99% Occupied Bandwidth



U-NII-3 IEEE 802.11n HT20 5785MHz

6dB Bandwidth

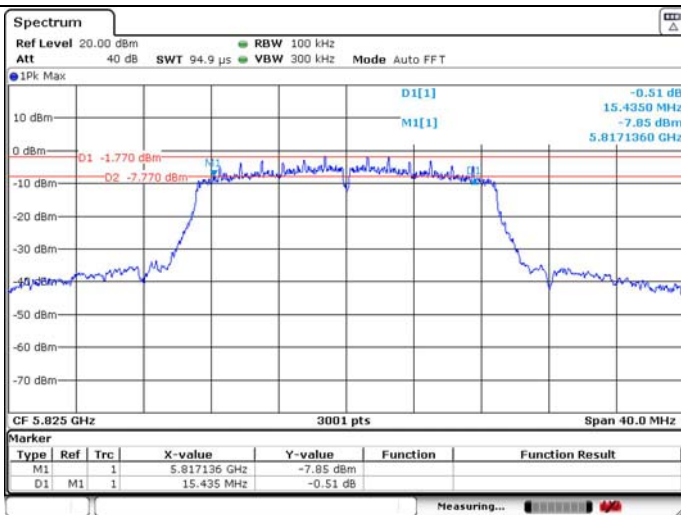


99% Occupied Bandwidth

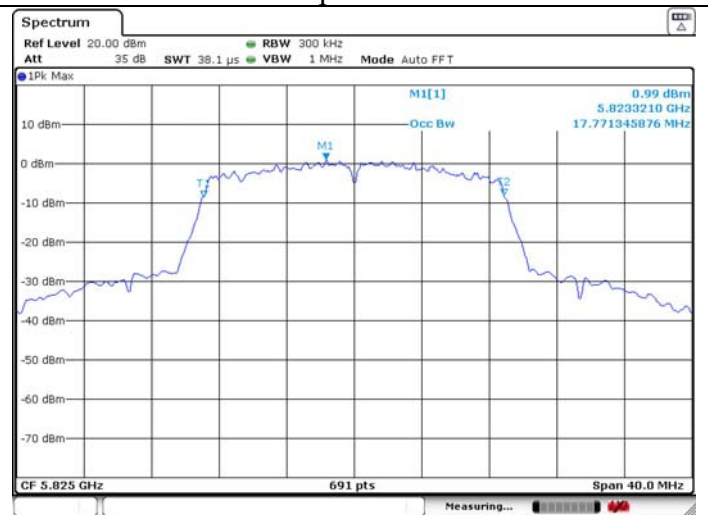


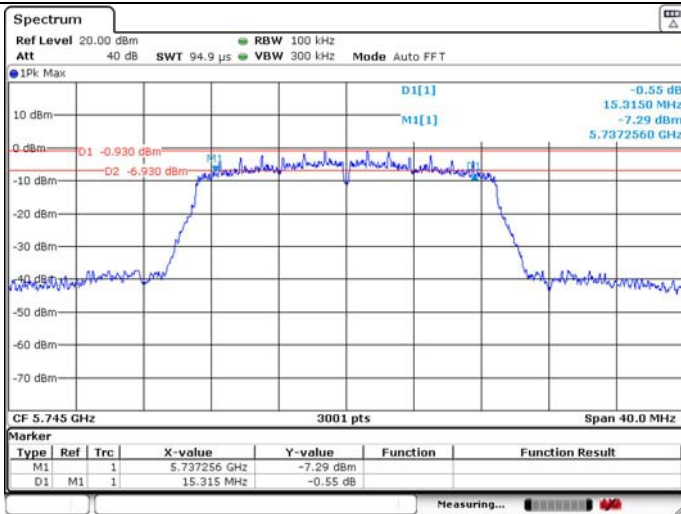
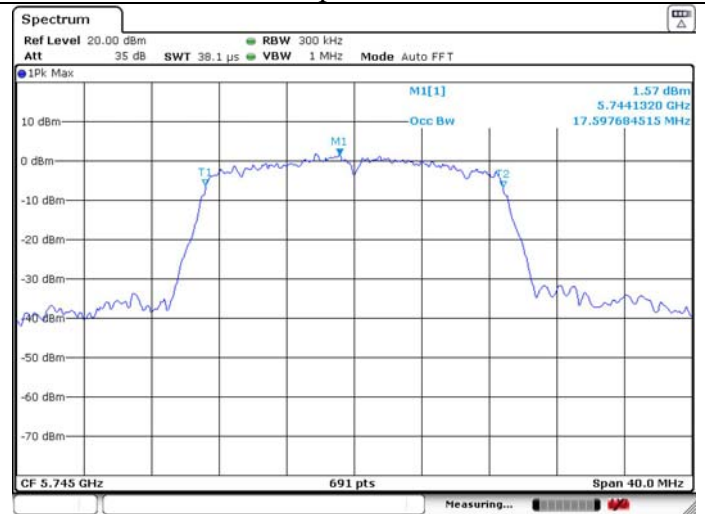
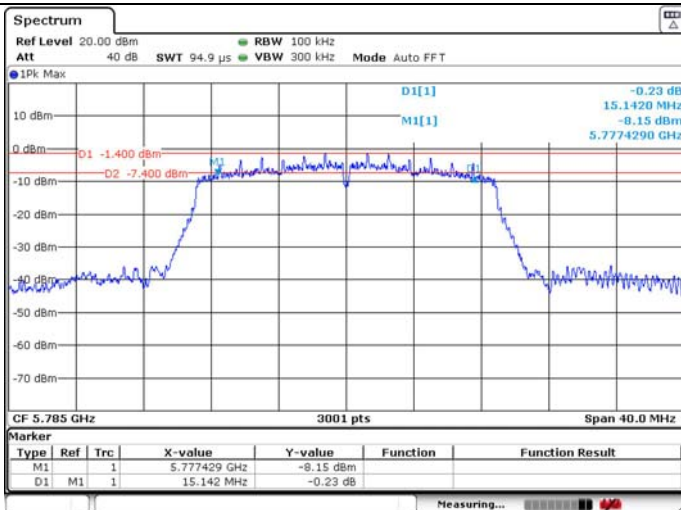
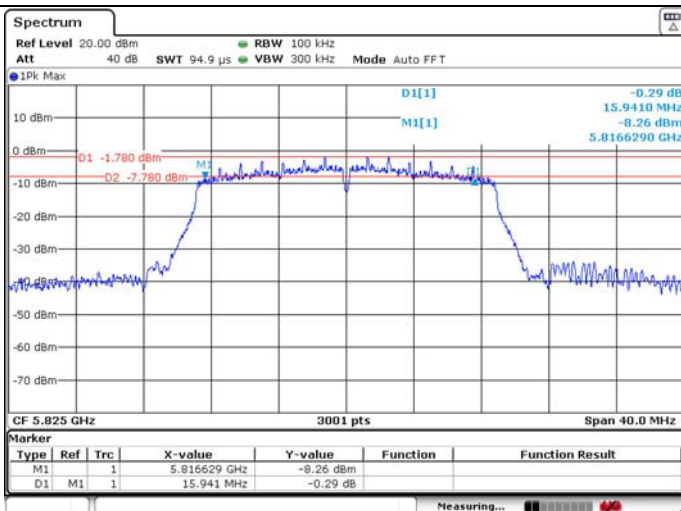
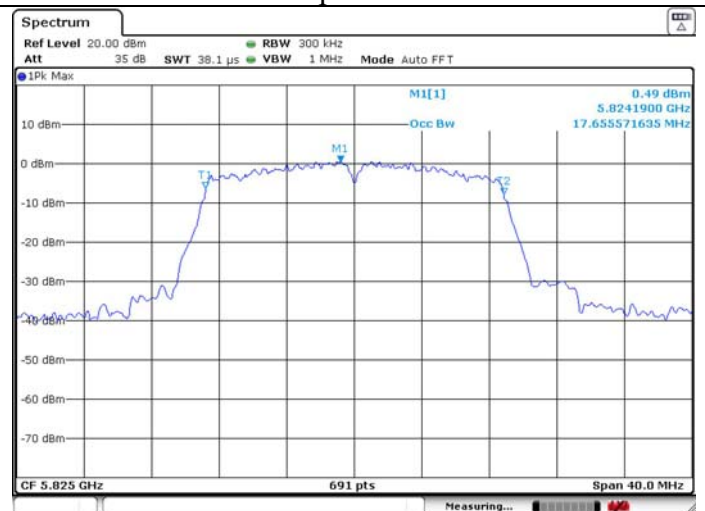
U-NII-3 IEEE 802.11n HT20 5825MHz

6dB Bandwidth

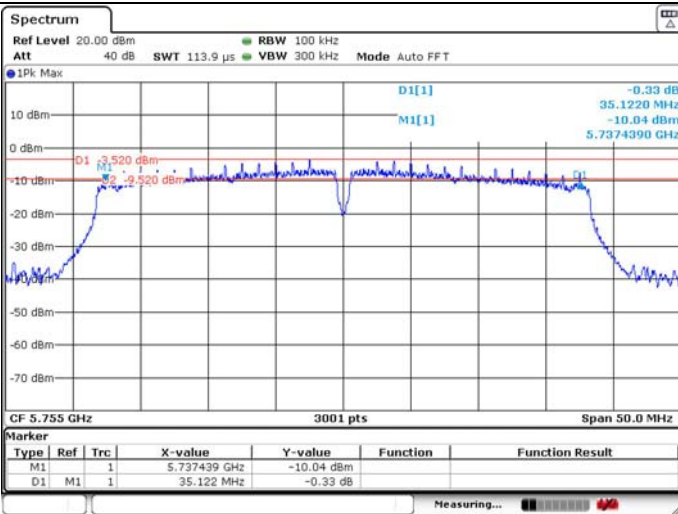


99% Occupied Bandwidth



U-NII-3 IEEE 802.11ac VHT20 5745MHz**6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11ac VHT20 5785MHz****6dB Bandwidth****99% Occupied Bandwidth****U-NII-3 IEEE 802.11ac VHT20 5825MHz****6dB Bandwidth****99% Occupied Bandwidth**

6dB Bandwidth

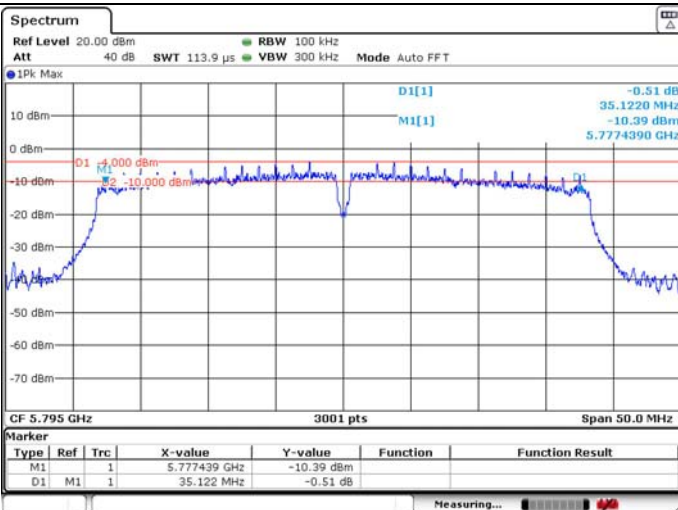


99% Occupied Bandwidth



U-NII-3 IEEE 802.11n HT40 5795MHz

6dB Bandwidth

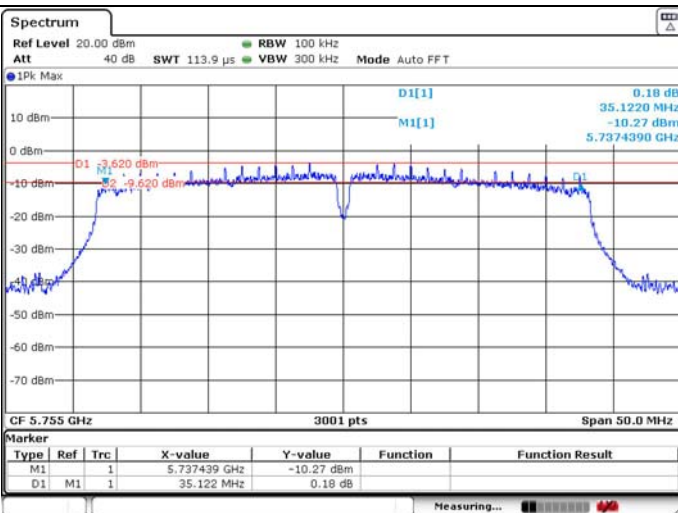


99% Occupied Bandwidth



U-NII-3 IEEE 802.11ac VHT40 5755MHz

6dB Bandwidth

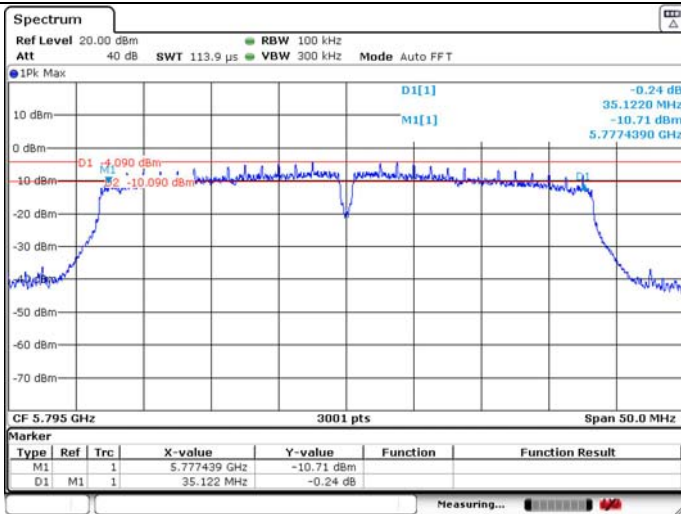


99% Occupied Bandwidth

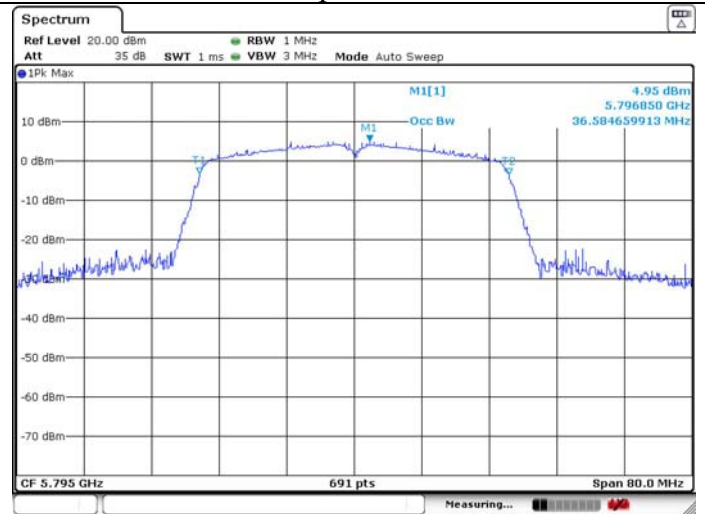


U-NII-3 IEEE 802.11ac VHT40 5795MHz

6dB Bandwidth

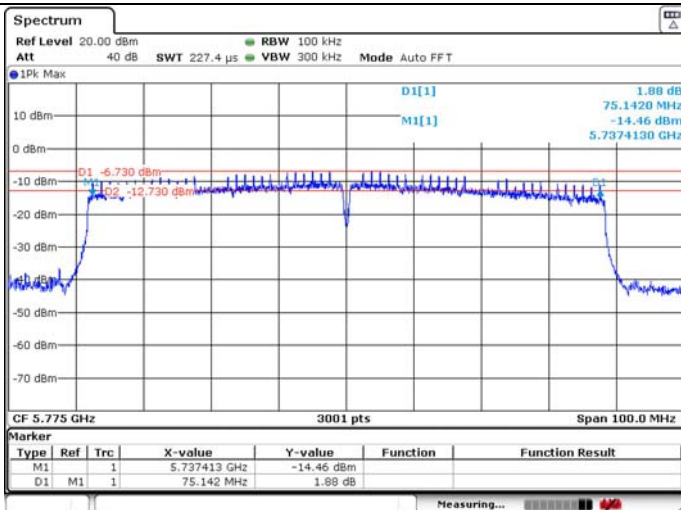


99% Occupied Bandwidth

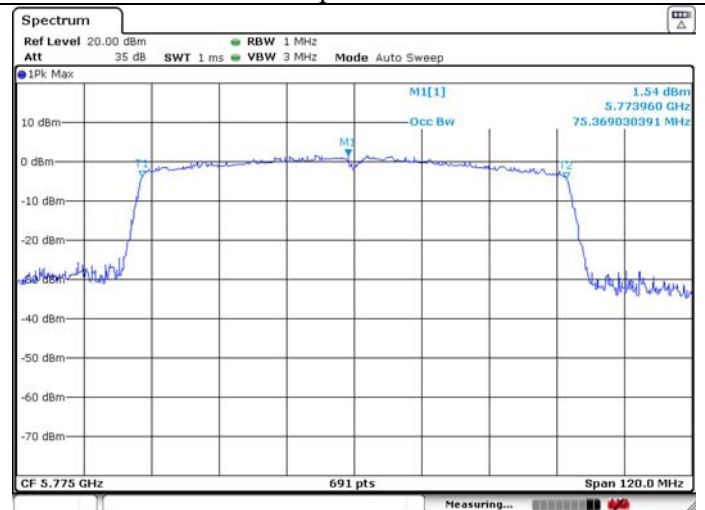


U-NII-3 IEEE 802.11ac VHT80 5775MHz

6dB Bandwidth



99% Occupied Bandwidth



4. MAXIMUM CONDUCTED OUTPUT POWER

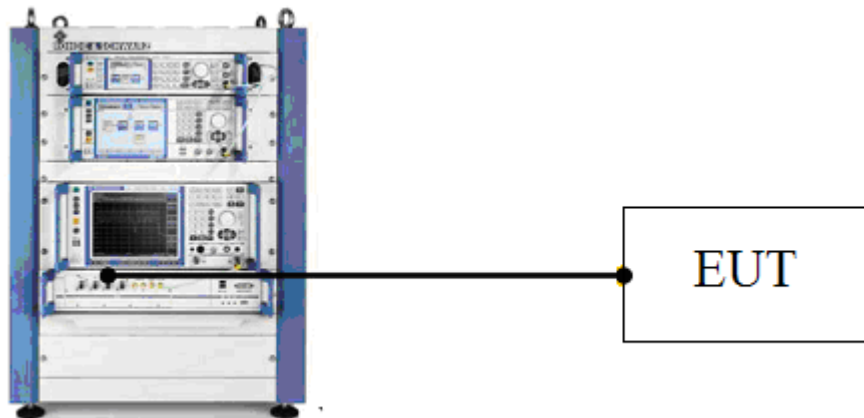
4.1. Limit

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	1W(30dBm) (Max. e.i.r.p $\leq$ 125mW at any elevation angle above 30 degrees as measured from the horizon)
	Indoor Access Point	1W(30dBm)
	Fixed point-to-point Access Point	1W(30dBm)
	Mobile and Portable Client Device	250mW(23.98dBm)
U-NII-2A	All Device	250mW(23.98dBm) or 11dBm+10 log B, Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-2C	All Device	250mW(23.98dBm) or 11dBm+10 log B, Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-3	All Device	1W(30dBm)

Note:

For the Band U-NII-2A and U-NII-2C, the maximum conducted output power limit calculate result refer to section 3.5.

4.2. Test Setup



4.3. Test Procedure

- Connect EUT antenna terminal to the OSP-B157WB with RF cable.
- Set the EUT transmit continuously with maximum output power.
- Through the test software in TS 8897 to control 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.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

4.4. Test Result

Temperature	23℃	Relative Humidity		55%	Test Voltage	120V/60Hz
BAND	Test Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)	Conducted AVG Output Power (W)	Limit (dBm)	Result
U-NII-1	IEEE 802.11a	5180	11.78	0.0151	23.98	PASS
		5200	11.46	0.0140	23.98	PASS
		5240	11.79	0.0151	23.98	PASS
	IEEE 802.11n HT20	5180	11.62	0.0145	23.98	PASS
		5200	11.33	0.0136	23.98	PASS
		5240	11.63	0.0145	23.98	PASS
	IEEE 802.11ac VHT20	5180	11.70	0.0148	23.98	PASS
		5200	11.02	0.0126	23.98	PASS
		5240	11.26	0.0134	23.98	PASS
	IEEE 802.11n HT40	5190	11.05	0.0127	23.98	PASS
		5230	10.88	0.0123	23.98	PASS
	IEEE 802.11ac VHT40	5190	11.16	0.0131	23.98	PASS
		5230	10.88	0.0122	23.98	PASS
	IEEE 802.11ac VHT80	5210	10.93	0.0124	23.98	PASS
U-NII-2A	IEEE 802.11a	5260	11.86	0.0153	23.98	PASS
		5300	11.68	0.0147	23.98	PASS
		5320	11.76	0.0150	23.98	PASS
	IEEE 802.11n HT20	5260	11.76	0.0150	23.98	PASS
		5300	11.53	0.0142	23.98	PASS
		5320	11.54	0.0143	23.98	PASS
	IEEE 802.11ac VHT20	5260	11.31	0.0135	23.98	PASS
		5300	11.04	0.0127	23.98	PASS
		5320	11.15	0.0130	23.98	PASS
	IEEE 802.11n HT40	5270	11.08	0.0128	23.98	PASS
		5310	10.96	0.0125	23.98	PASS
	IEEE 802.11ac VHT40	5270	11.05	0.0127	23.98	PASS
		5310	11.01	0.0126	23.98	PASS
	IEEE 802.11ac VHT80	5290	10.91	0.0123	23.98	PASS

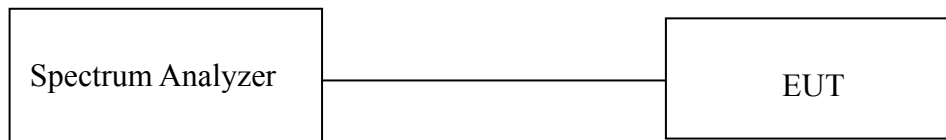
BAND	Test Mode	Frequency (MHz)	Conducted AVG Output Power (dBm)	Conducted AVG Output Power (W)	Limit (dBm)	Result
U-NII-2C	IEEE 802.11a	5500	10.75	0.0119	23.98	PASS
		5580	10.70	0.0118	23.98	PASS
		5700	9.39	0.0087	23.98	PASS
	IEEE 802.11n HT20	5500	10.57	0.0114	23.98	PASS
		5580	10.52	0.0113	23.98	PASS
		5700	9.23	0.0084	23.98	PASS
	IEEE 802.11ac VHT20	5500	10.05	0.0101	23.98	PASS
		5580	10.10	0.0102	23.98	PASS
		5700	8.69	0.0074	23.98	PASS
	IEEE 802.11n HT40	5510	10.01	0.0100	23.98	PASS
		5670	9.50	0.0089	23.98	PASS
	IEEE 802.11ac VHT40	5510	9.94	0.0099	23.98	PASS
		5670	9.62	0.0092	23.98	PASS
	IEEE 802.11ac VHT80	5530	9.41	0.0087	23.98	PASS
		5610	9.47	0.0089	23.98	
U-NII-3	IEEE 802.11a	5745	9.85	0.0097	30.00	PASS
		5785	8.25	0.0067	30.00	PASS
		5825	9.07	0.0081	30.00	PASS
	IEEE 802.11n HT20	5745	9.83	0.0096	30.00	PASS
		5785	8.59	0.0072	30.00	PASS
		5825	9.40	0.0087	30.00	PASS
	IEEE 802.11ac VHT20	5745	9.17	0.0083	30.00	PASS
		5785	8.04	0.0064	30.00	PASS
		5825	8.79	0.0076	30.00	PASS
	IEEE 802.11n HT40	5755	8.88	0.0077	30.00	PASS
		5795	8.34	0.0068	30.00	PASS
	IEEE 802.11ac VHT40	5755	8.89	0.0077	30.00	PASS
		5795	8.33	0.0068	30.00	PASS
	IEEE 802.11ac VHT80	5775	8.46	0.0070	30.00	PASS

5. PEAK POWER SPECTRAL DENSITY

5.1. Limit

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	17dBm/MHz
	Indoor Access Point	17dBm/MHz
	Fixed point-to-point Access Point	17dBm/MHz
	Mobile and Portable Client Device	11dBm/MHz
U-NII-2A	All Device	11dBm/MHz
U-NII-2C	All Device	11dBm/MHz
U-NII-3	All Device	30dBm/500KHz

5.2. Test Setup



5.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	1MHz(For U-NII-1&U-NII-2A&U-NII-2C) 500KHz(For U-NII-3)
VBW	3MHz(For U-NII-1&U-NII-2A&U-NII-2C) 2MHz(For U-NII-3)
Span	encompass the entire 26 dB EBW or 99% OBW of the signal
Sweep Time	Auto
Number of Sweep Point	$\geq 2 \times \text{SPAN/RBW}$
Detector	RMS(power averaging)
Trace Average	≥ 100 traces

5.4. Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 5.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker-to-peak function to set the marker to the average of the emission.
- If the duty cycle of test signal $< 98\%$, the result = max measured value + $10 \times \log(1/\text{duty cycle})$;
If the duty cycle of test signal $\geq 98\%$, the result = max measured value.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

5.5. Test Result

Temperature	23°C	Relative Humidity	55%	Test Voltage	120V/60Hz
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BAND	Test Mode	Fre (MHz)	Power Density (dBm/MHz)	Duty Factor (dB)	Total Power Density (dBm/MHz)	Limit (dBm/MHz)	Result
U-NII-1	IEEE 802.11a	5180	7.31	0.11	7.42	11.00	PASS
		5200	6.15	0.11	6.26	11.00	PASS
		5240	6.24	0.11	6.35	11.00	PASS
	IEEE 802.11n HT20	5180	5.85	0.12	5.97	11.00	PASS
		5200	5.40	0.12	5.52	11.00	PASS
		5240	6.38	0.12	6.50	11.00	PASS
	IEEE 802.11ac VHT20	5180	5.57	0.12	5.69	11.00	PASS
		5200	5.20	0.12	5.32	11.00	PASS
		5240	5.41	0.12	5.53	11.00	PASS
	IEEE 802.11n HT40	5190	3.17	0.22	3.39	11.00	PASS
		5230	3.24	0.22	3.46	11.00	PASS
	IEEE 802.11ac VHT40	5190	2.71	0.24	2.95	11.00	PASS
		5230	2.56	0.24	2.80	11.00	PASS
	IEEE 802.11ac VHT80	5210	-0.34	0.40	0.06	11.00	PASS
U-NII-2A	IEEE 802.11a	5260	6.39	0.11	6.50	11.00	PASS
		5300	6.90	0.11	7.01	11.00	PASS
		5320	7.82	0.11	7.93	11.00	PASS
	IEEE 802.11n HT20	5260	5.53	0.12	5.65	11.00	PASS
		5300	5.75	0.12	5.87	11.00	PASS
		5320	6.24	0.12	6.36	11.00	PASS
	IEEE 802.11ac VHT20	5260	6.06	0.12	6.18	11.00	PASS
		5300	5.86	0.12	5.98	11.00	PASS
		5320	6.83	0.12	6.95	11.00	PASS
	IEEE 802.11n HT40	5270	3.54	0.22	3.76	11.00	PASS
		5310	3.67	0.22	3.89	11.00	PASS
	IEEE 802.11ac VHT40	5270	2.53	0.24	2.77	11.00	PASS
		5310	3.38	0.24	3.62	11.00	PASS
	IEEE 802.11ac VHT80	5290	0.00	0.40	0.40	11.00	PASS
U-NII-2C	IEEE 802.11a	5500	5.27	0.11	5.38	11.00	PASS
		5580	3.68	0.11	3.79	11.00	PASS
		5700	4.97	0.11	5.08	11.00	PASS
	IEEE 802.11n HT20	5500	5.10	0.12	5.22	11.00	PASS
		5580	4.43	0.12	4.55	11.00	PASS
		5700	5.35	0.12	5.47	11.00	PASS
	IEEE 802.11ac VHT20	5500	4.66	0.12	4.78	11.00	PASS
		5580	4.12	0.12	4.24	11.00	PASS
		5700	4.95	0.12	5.07	11.00	PASS
	IEEE 802.11n HT40	5510	1.49	0.22	1.71	11.00	PASS
		5590	0.50	0.22	0.72	11.00	PASS
		5670	0.50	0.22	1.68	11.00	PASS
	IEEE 802.11ac VHT40	5510	1.44	0.24	0.71	11.00	PASS
		5590	0.47	0.24	-1.30	11.00	PASS
		5670	0.47	0.24	-1.82	11.00	PASS
	IEEE 802.11ac VHT80	5530	-1.70	0.40	5.38	11.00	PASS
		5610	-2.22	0.40	3.79	11.00	PASS

BAND	Test Mode	Fre (MHz)	Power Density (dBm/500KHz)	Duty Factor (dB)	Total Power Density (dBm/500KHz)	Limit (dBm/500KHz)	Result
U-NII-3	IEEE 802.11a	5745	4.12	0.11	4.23	30.00	PASS
		5785	3.14	0.11	3.25	30.00	PASS
		5825	2.94	0.11	3.05	30.00	PASS
	IEEE 802.11n HT20	5745	3.84	0.12	3.96	30.00	PASS
		5785	3.01	0.12	3.13	30.00	PASS
		5825	2.41	0.12	2.53	30.00	PASS
	IEEE 802.11ac VHT20	5745	3.39	0.12	3.51	30.00	PASS
		5785	2.75	0.12	2.87	30.00	PASS
		5825	2.89	0.12	3.01	30.00	PASS
	IEEE 802.11n HT40	5755	0.71	0.22	0.93	30.00	PASS
		5795	-0.04	0.22	0.18	30.00	PASS
	IEEE 802.11ac VHT40	5755	0.42	0.24	0.66	30.00	PASS
		5795	-0.39	0.24	-0.15	30.00	PASS
	IEEE 802.11ac VHT80	5775	-3.12	0.40	-2.72	30.00	PASS