

Test Report

Applicant: Nuvvyo Inc.

Address of Applicant: 555 Legget Drive Tower B Suite 836 Kanata, ON K2K2X3, Canada

Manufacturer: Nuvvyo Inc.

Address of Manufacturer: 555 Legget Drive Tower B Suite 836 Kanata, ON K2K2X3, Canada

Factory: SHENZHEN GIEC DIGITAL CO., LTD

Address of Factory: 1st&3rd Building, No.26 Puzai Road, Pingdi, Longgang District, Shenzhen, China

Equipment Under Test (EUT)

Product Name: OTA streamer

Model No.: Tablo Quad, Tablo Quad HDD, TQNS4B-02-CN, TQNS4B-01-CN, TQNS4B-03-CN, TQSS4B-01-CN, TQSS4B-02-CN, TQSS4B-03-CN, TQHD4B-01-CN, TQHD4B-02-CN, TQHD4B-03-CN

FCC ID: 2AOR7-TABLO401

Applicable standards: FCC CFR Title 47 Part 15 Subpart E Section 15.407

Date of sample receipt: July 18, 2019

Date of Test: July 19, 2019- August 13, 2019

Date of report issued: August 13, 2019

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

A handwritten signature in black ink is written over a circular blue stamp. The stamp contains the text "GLOBAL UNITED TECHNOLOGY SERVICES" around the perimeter and "GTS" in the center. Below the signature, the name "Robinson Lo" is printed.

Robinson Lo

Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	August 13, 2019	Original

Prepared By:



Project Engineer

Date:

August 13, 2019

Check By:



Reviewer

Date:

August 13, 2019

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.407(a)(3)	Pass
Channel Bandwidth	15.407(e)	Pass
Power Spectral Density	15.407(a)(3)	Pass
Band Edge	15.407(b)(4)	Pass
Spurious Emission	15.205/15.209/15.407(b)(4)	Pass
Frequency Stability	15.407(g)	Pass

Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Test according to ANSI C63.10:2013.

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz ~ 30MHz	$\pm 3.8039\text{dB}$	(1)
Radiated Emission	30MHz ~ 1000MHz	$\pm 3.9679\text{dB}$	(1)
Radiated Emission	1GHz ~ 40GHz	$\pm 4.29\text{dB}$	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	$\pm 3.44\text{dB}$	(1)
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.			

5 General Information

5.1 General Description of EUT

Product Name:	OTA streamer
Model No.:	Tablo Quad, Tablo Quad HDD, TQNS4B-02-CN, TQNS4B-01-CN, TQNS4B-03-CN, TQSS4B-01-CN, TQSS4B-02-CN, TQSS4B-03-CN, TQHD4B-01-CN, TQHD4B-02-CN, TQHD4B-03-CN
Model No.:	TQNS4B-02-CN
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The only difference is model name for commercial purpose.	
Serial No.:	GI - Q03254039 ~GI - Q04194303
Hardware Version:	ATSC-MPEG-14G/VER1.0-2-20181025
Software Version:	2.2.26 1919814
Test sample(s) ID:	GTS201907000125 -1
Sample(s) Status:	Engineer sample
Operation Frequency:	802.11a/802.11n(HT20)/802.11ac(HT20): 5745MHz ~ 5825MHz 802.11n(HT40)/ 802.11ac(HT40): 5755MHz ~ 5795MHz 802.11ac(HT80): 5775MHz
Channel numbers:	802.11a/802.11n(HT20)/802.11ac(HT20): 5 802.11n(HT40)/ 802.11ac(HT40): 2 802.11ac(HT80): 1
Channel bandwidth:	802.11a/802.11n(HT20)/802.11ac(HT20) : 20MHz 802.11n(HT40)/802.11ac(HT40) : 40MHz 802.11ac(HT80): 80MHz
Modulation technology:	Orthogonal Frequency Division Multiplexing (OFDM) MIMO: 802.11n/ac SISO: 802.11a
Antenna Type:	Integral Antenna
Antenna gain:	-1.5dBi
Power supply:	Adapter Model No: TEKA024-1202000UK Input: AC 100-240V, 50/60Hz, 0.7A MAX Output: DC 12V, 2 A

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745MHz	151	5755MHz	153	5765MHz	155	5775MHz
157	5785MHz	159	5795MHz	161	5805MHz	163	5815MHz
165	5825MHz						

Note:

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

Test channel	Frequency (MHz)		
	802.11 a/n/ac(HT20)	802.11 n/ac(HT40)	802.11ac(HT80)
Lowest channel	5745	5755	
Middle channel	5785		5775
Highest channel	5825	5795	

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode
<i>Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</i>	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate
802.11a	6Mbps
802.11n/ac(HT20)	6.5Mbps
802.11n/ac(HT40)	13Mbps
802.11ac(HT80)	29.3Mbps

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
IBM Thinkpad	Notebook PC	2374	L3-G0686

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

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

- **FCC —Registration No.: 381383**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone,
Xixiang Road, Baoan District, Shenzhen, Guangdong, China
Tel: 0755-27798480
Fax: 0755-27798960

5.8 Additional Instructions

Test Software	Special test command provided by manufacturer
Power level setup	Default
Version	Ver 1.0

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 26 2019	June. 25 2020
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 26 2019	June. 25 2020
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 26 2019	June. 25 2020
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 26 2019	June. 25 2020
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 26 2019	June. 25 2020
9	Coaxial Cable	GTS	N/A	GTS211	June. 26 2019	June. 25 2020
10	Coaxial cable	GTS	N/A	GTS210	June. 26 2019	June. 25 2020
11	Coaxial Cable	GTS	N/A	GTS212	June. 26 2019	June. 25 2020
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 26 2019	June. 25 2020
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 26 2019	June. 25 2020
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 26 2019	June. 25 2020
15	Band filter	Amindeon	82346	GTS219	June. 26 2019	June. 25 2020
16	Power Meter	Anritsu	ML2495A	GTS540	June. 26 2019	June. 25 2020
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 26 2019	June. 25 2020
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 26 2019	June. 25 2020
19	Splitter	Agilent	11636B	GTS237	June. 26 2019	June. 25 2020
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 26 2019	June. 25 2020
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 20 2018	Oct. 19 2019
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 20 2018	Oct. 19 2019
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 20 2018	Oct. 19 2019
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 26 2019	June. 25 2020

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.15 2019	May.14 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 26 2019	June. 25 2020
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 26 2019	June. 25 2020
4	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	June. 26 2019	June. 25 2020
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June. 26 2019	June. 25 2020
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 26 2019	June. 25 2020
9	ISN	SCHWARZBECK	NTFM 8158	GTD565	June. 26 2019	June. 25 2020

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 26 2019	June. 25 2020
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 26 2019	June. 25 2020
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 26 2019	June. 25 2020
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 26 2019	June. 25 2020
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 26 2019	June. 25 2020
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 26 2019	June. 25 2020
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 26 2019	June. 25 2020
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 26 2019	June. 25 2020

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 26 2019	June. 25 2020
2	Barometer	ChangChun	DYM3	GTS255	June. 26 2019	June. 25 2020

7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203
<i>15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</i>	
E.U.T Antenna:	
<i>The antennas are integral antenna, the best case gain of the antennas are -1.5dBi, reference to the appendix II for details</i>	

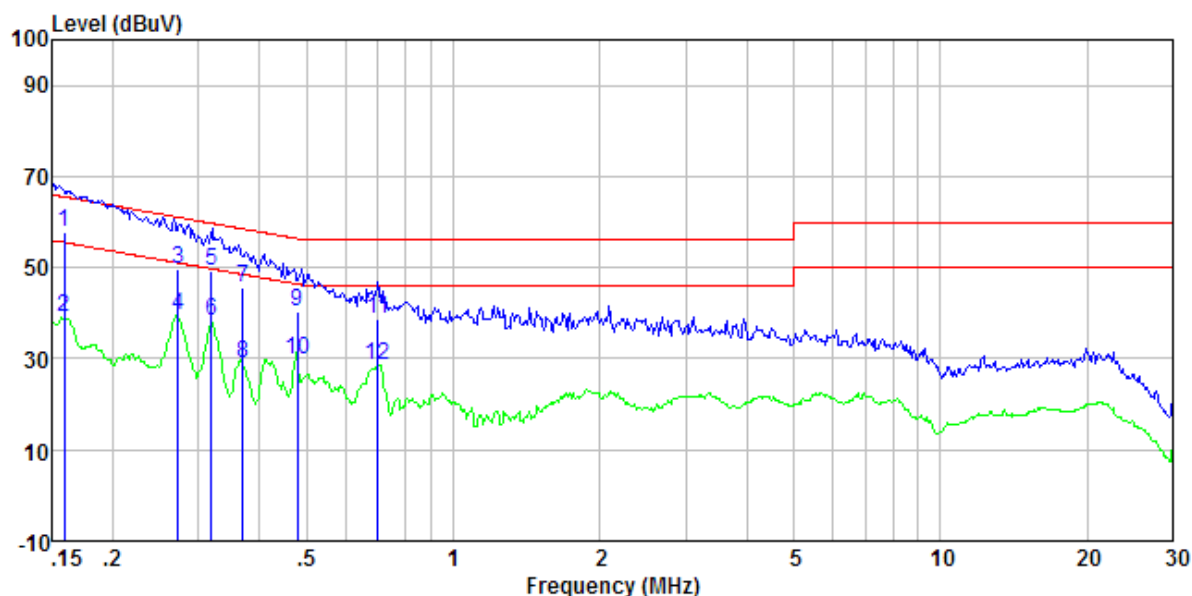
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz					
Class / Severity:	Class B					
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto					
Limit:	Frequency range (MHz)		Limit (dBuV)			
			Quasi-peak		Average	
	0.15-0.5		66 to 56*		56 to 46*	
	0.5-5		56		46	
	5-30		60		50	
* Decreases with the logarithm of the frequency.						
Test setup:	Reference Plane <i>Remark:</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m					
Test procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

Remark: Both high and low voltages have been tested to show only the worst low voltage test data.

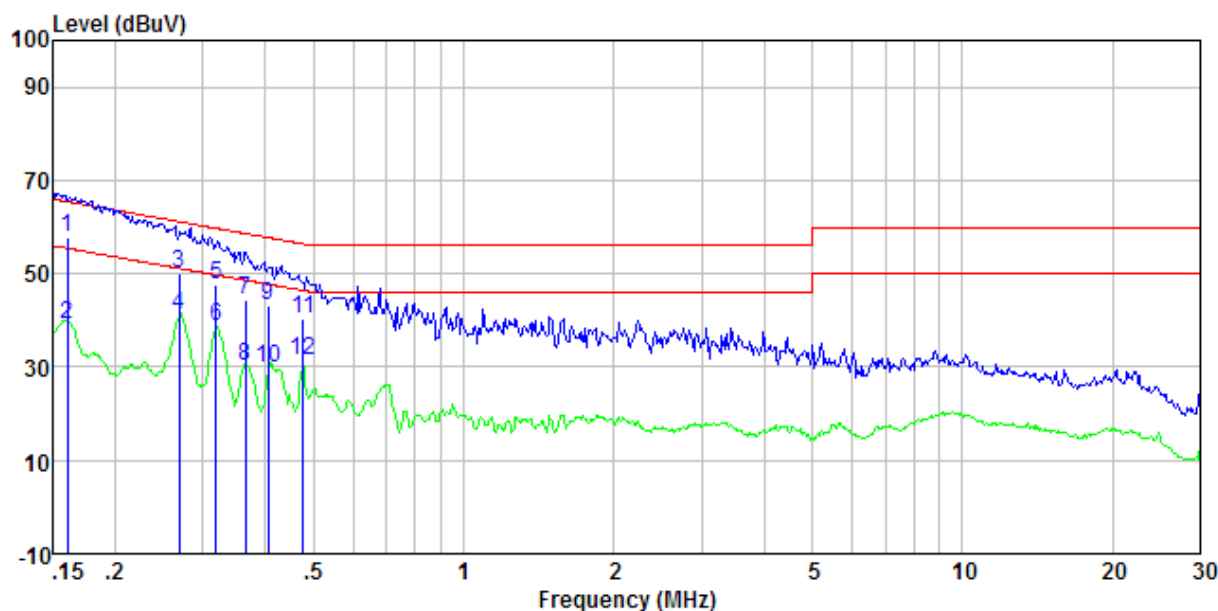
Measurement data

Line:



Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.16	57.50	0.40	0.08	57.98	65.52	-7.54	QP
0.16	38.76	0.40	0.08	39.24	55.52	-16.28	Average
0.27	49.32	0.40	0.10	49.82	61.03	-11.21	QP
0.27	38.92	0.40	0.10	39.42	51.03	-11.61	Average
0.32	48.78	0.39	0.10	49.27	59.75	-10.48	QP
0.32	37.66	0.39	0.10	38.15	49.75	-11.60	Average
0.37	45.10	0.37	0.10	45.57	58.52	-12.95	QP
0.37	28.36	0.37	0.10	28.83	48.52	-19.69	Average
0.48	39.85	0.32	0.11	40.28	56.36	-16.08	QP
0.48	29.37	0.32	0.11	29.80	46.36	-16.56	Average
0.70	38.12	0.26	0.13	38.51	56.00	-17.49	QP
0.70	28.25	0.26	0.13	28.64	46.00	-17.36	Average

Neutral:

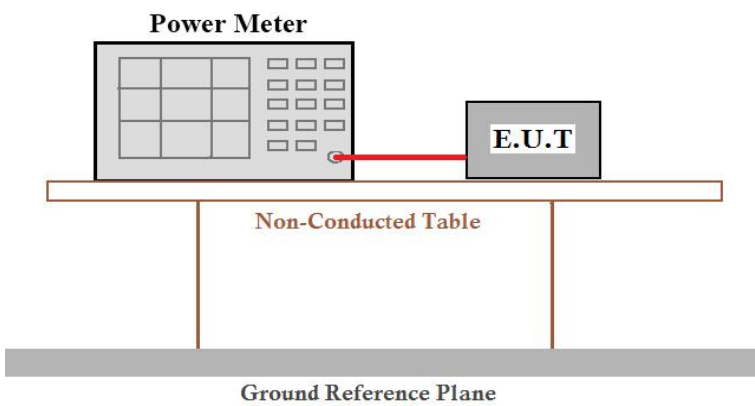


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.16	57.48	0.40	0.08	57.96	65.43	-7.47	QP
0.16	38.84	0.40	0.08	39.32	55.43	-16.11	Average
0.27	49.52	0.40	0.10	50.02	61.16	-11.14	QP
0.27	40.54	0.40	0.10	41.04	51.16	-10.12	Average
0.32	47.23	0.39	0.10	47.72	59.75	-12.03	QP
0.32	38.25	0.39	0.10	38.74	49.75	-11.01	Average
0.37	44.07	0.37	0.10	44.54	58.61	-14.07	QP
0.37	29.87	0.37	0.10	30.34	48.61	-18.27	Average
0.41	42.77	0.35	0.11	43.23	57.73	-14.50	QP
0.41	29.12	0.35	0.11	29.58	47.73	-18.15	Average
0.48	40.00	0.32	0.11	40.43	56.41	-15.98	QP
0.48	30.79	0.32	0.11	31.22	46.41	-15.19	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both *limits and measurement with the average detector receiver is unnecessary*.

7.3 Conducted Peak Output Power

Test Requirement:	FCC Part15 E Section 15.407(a)(3)
Test Method:	ANSI C63.10:2013 and KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Limit:	30dBm
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

ANT 1:

Test CH	Peak Output Power (dBm)						Limit(dBm)	Result
	802.11a	802.11n (HT20)	802.11ac (HT20)	802.11n (HT40)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	12.11	14.01	14.12	13.84	14.83	---	30.00	Pass
Middle	13.79	14.20	12.20	---	---	13.11		
Highest	12.24	14.34	13.90	13.95	12.94	---		

ANT 2:

Test CH	Peak Output Power (dBm)						Limit(dBm)	Result
	802.11a	802.11n (HT20)	802.11ac (HT20)	802.11n (HT40)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	13.83	14.12	14.50	12.95	14.36	---	30.00	Pass
Middle	14.77	12.20	12.94	---	---	13.27		
Highest	13.03	13.90	12.01	12.65	13.15	---		

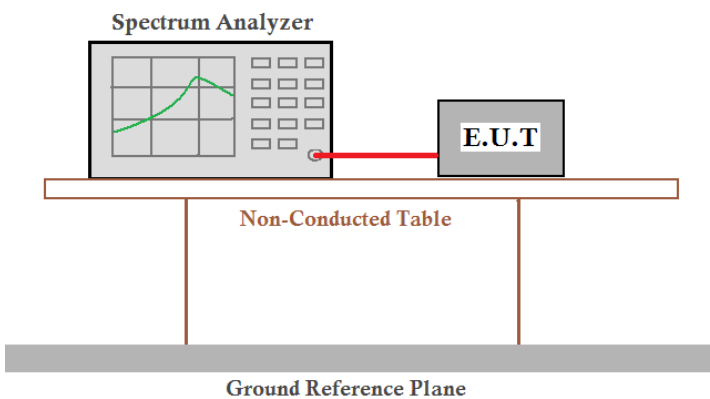
Remark: "---" is not applicable

MIMO:

Test mode	Channel	ANT 1 power (dBm)	ANT 2 power (dBm)	MIMO power (dBm)	Limit (dBm)	Result
802.11n(HT20)	Lowest	14.01	14.12	17.08	30	Pass
	Middle	14.20	12.20	16.32		
	Highest	14.34	13.90	17.14		
802.11ac(HT20)	Lowest	14.12	14.50	17.32		
	Middle	12.20	12.94	15.60		
	Highest	13.90	12.01	16.07		
802.11n(HT40)	Lowest	13.84	12.95	16.43		
	Highest	13.95	12.65	16.36		
802.11ac(HT40)	Lowest	14.83	14.36	17.61		
	Highest	12.94	13.15	16.06		
802.11ac(HT80)	Middle	13.11	13.27	16.20		

Note: transmit signals are completely *uncorrelated*,
Directional gain= $10 \times \log [(10^{-1.5/10} + 10^{-1.5/10})/2] = -1.5\text{dBi}$

7.4 Channel Bandwidth

Test Requirement:	FCC Part15 E Section 15.407(e)
Test Method:	ANSI C63.10:2013 and KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Limit:	>500KHz
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

ANT 1:

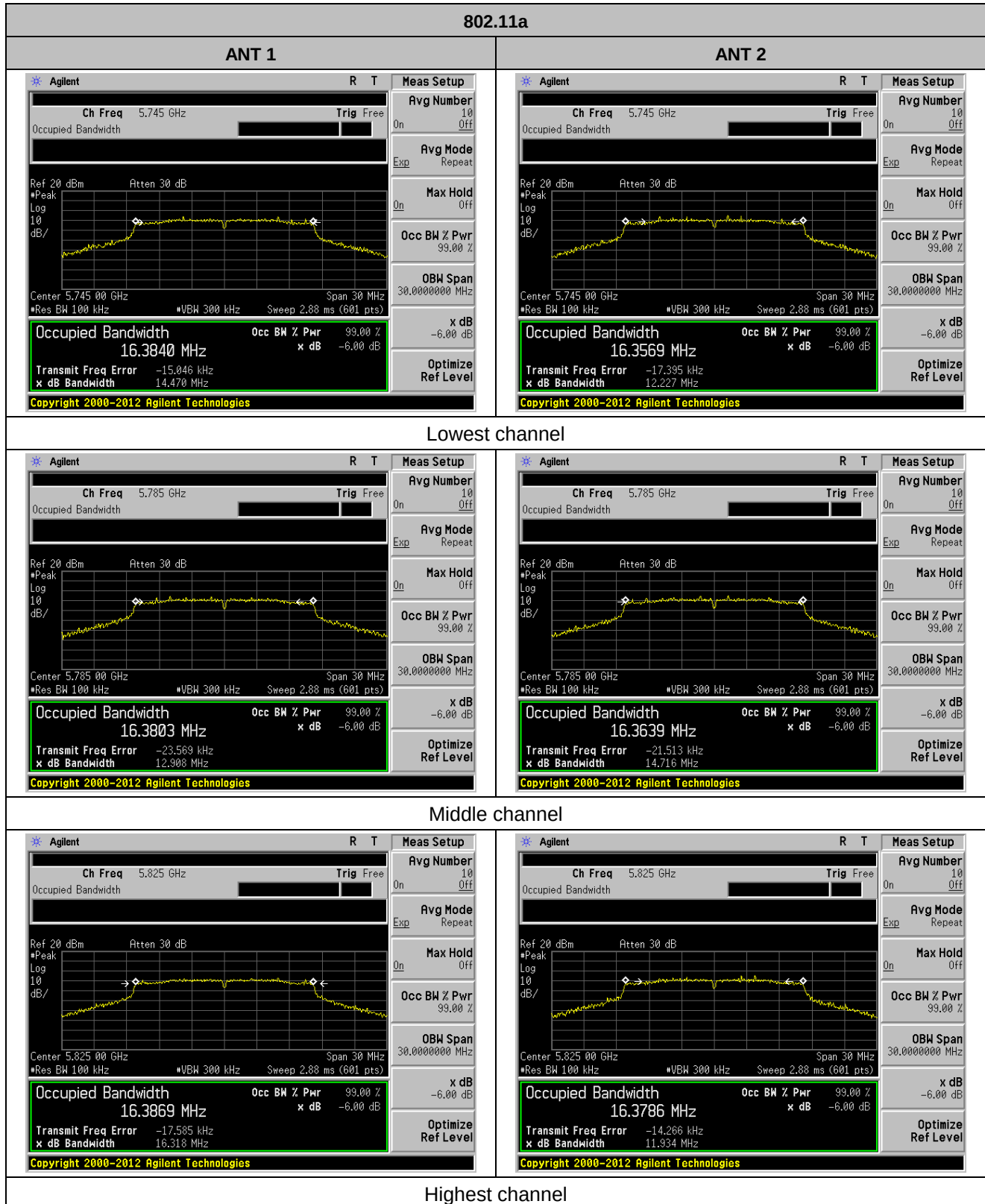
Test CH	Channel Bandwidth (MHz)						Limit (KHz)	Result
	802.11a	802.11n (HT20)	802.11ac (HT20)	802.11n (HT40)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	14.470	14.651	15.492	33.883	32.713	---	>500	Pass
Middle	12.908	15.457	13.201	---	---	75.478		
Highest	16.318	12.917	15.625	35.231	35.225	---		

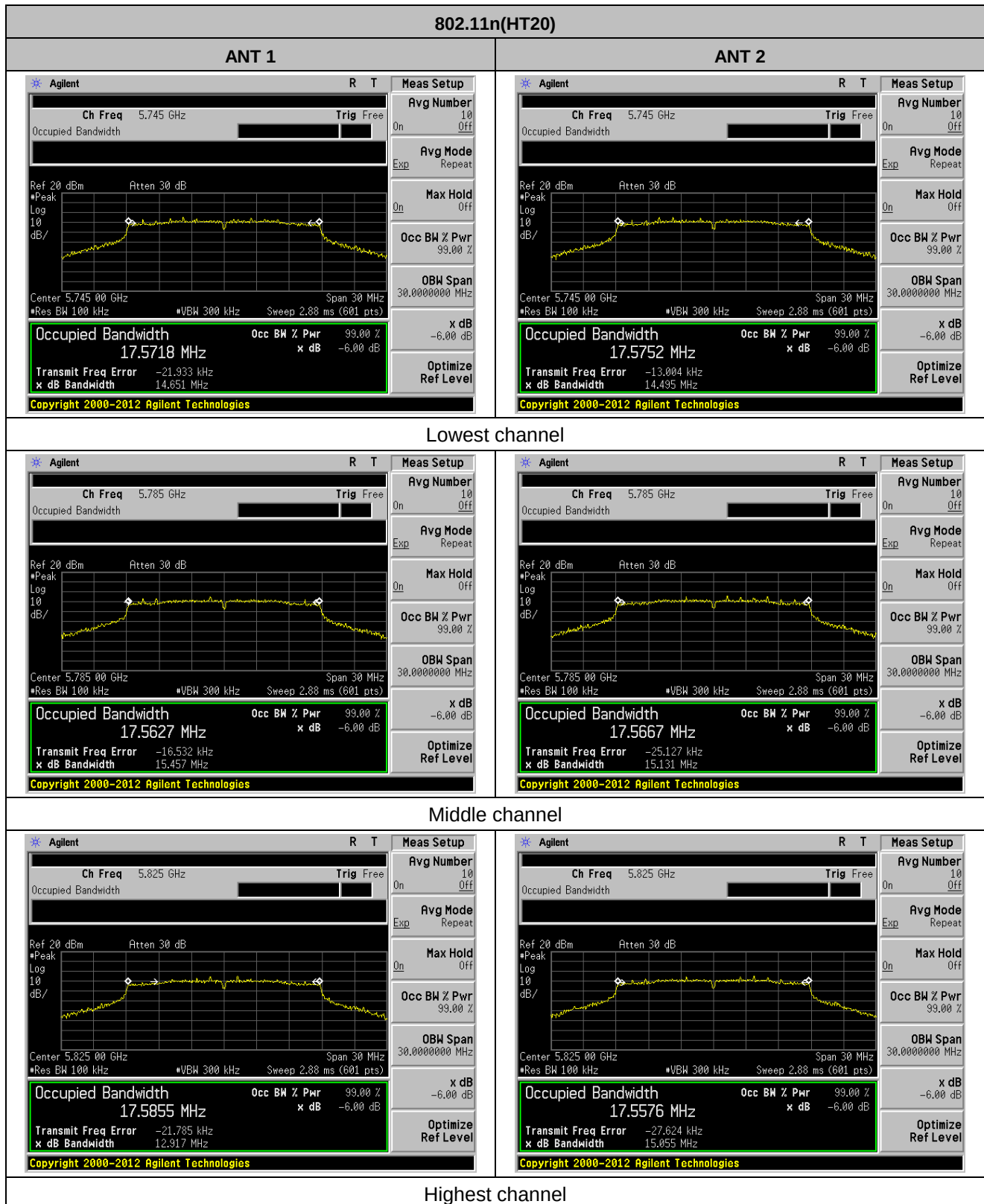
ANT 2:

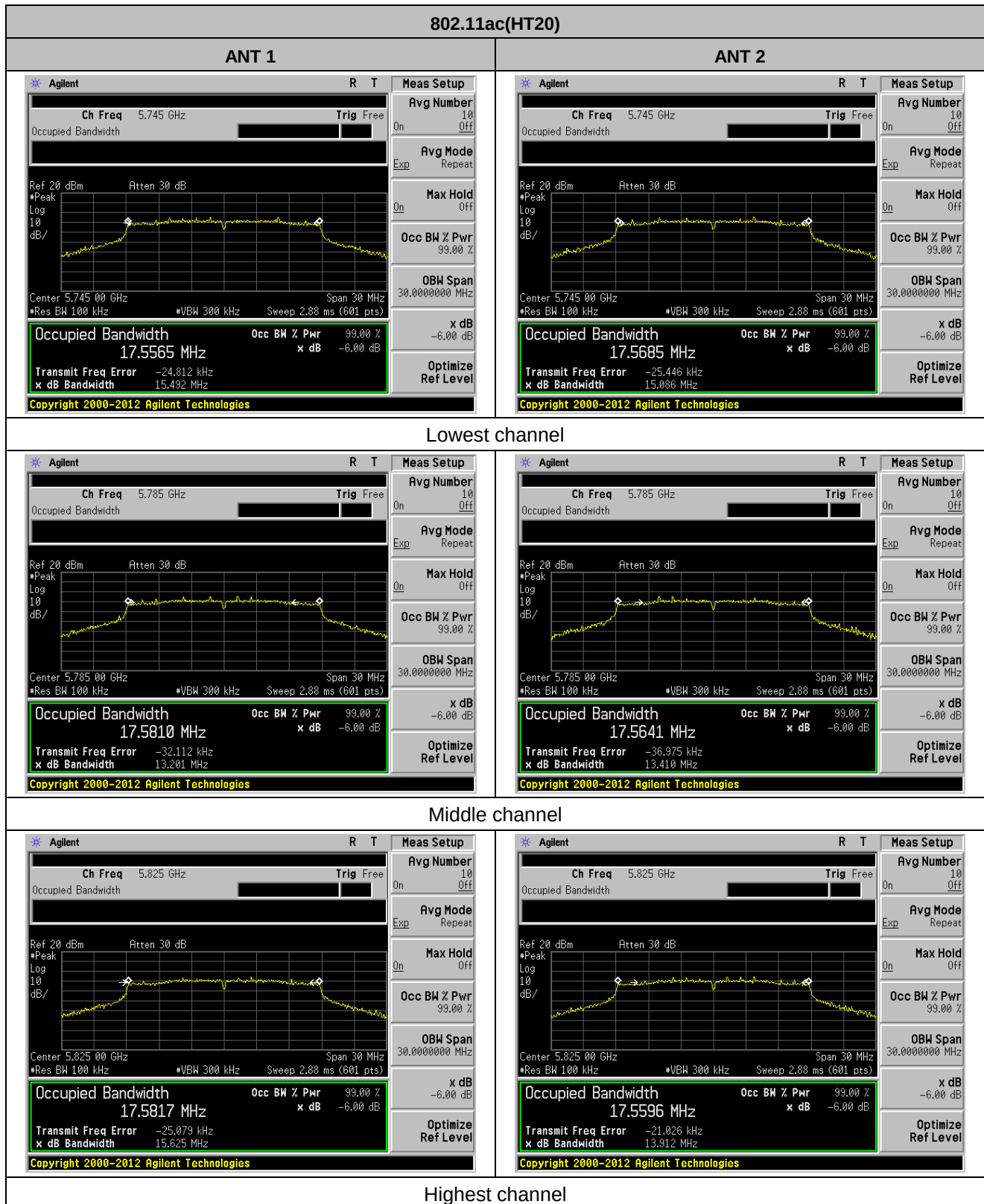
Test CH	Channel Bandwidth (MHz)						Limit (KHz)	Result
	802.11a	802.11n (HT20)	802.11ac (HT20)	802.11n (HT40)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	12.227	14.495	15.086	35.147	31.108	---	>500	Pass
Middle	14.716	15.131	13.410	---	---	75.384		
Highest	11.934	15.055	13.912	33.877	33.858	---		

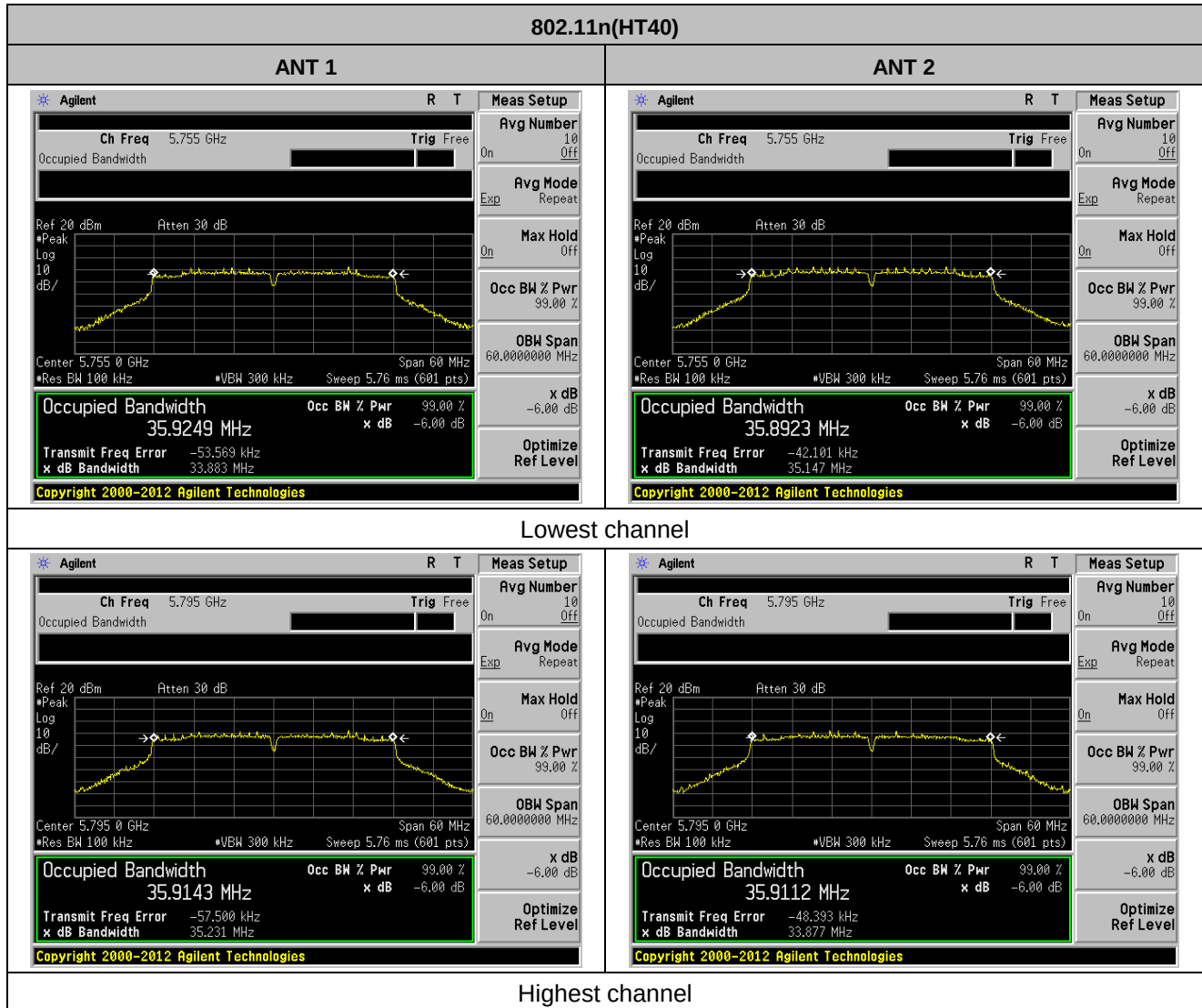
Remark: “---“is not applicable

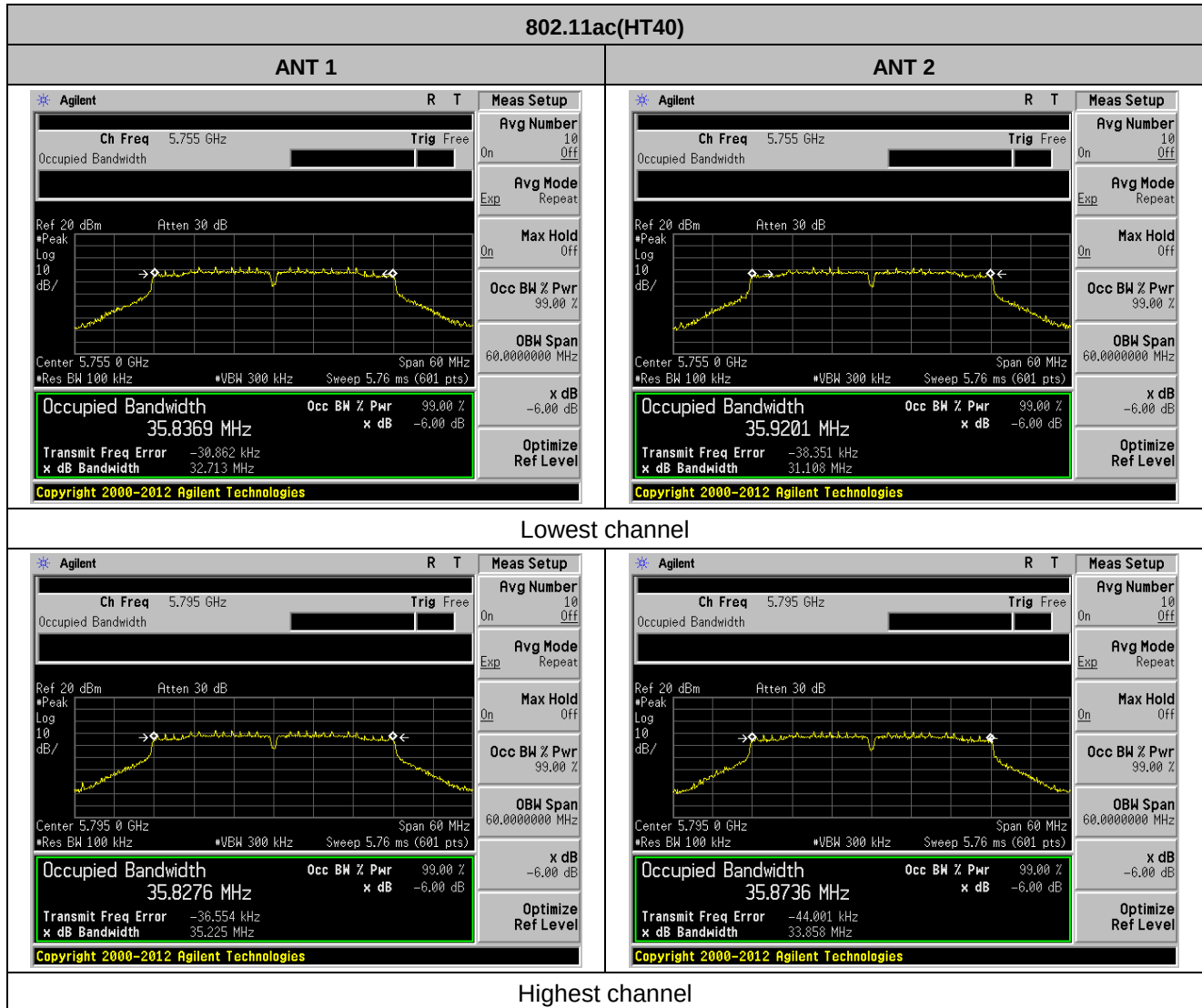
Test plot as follows:

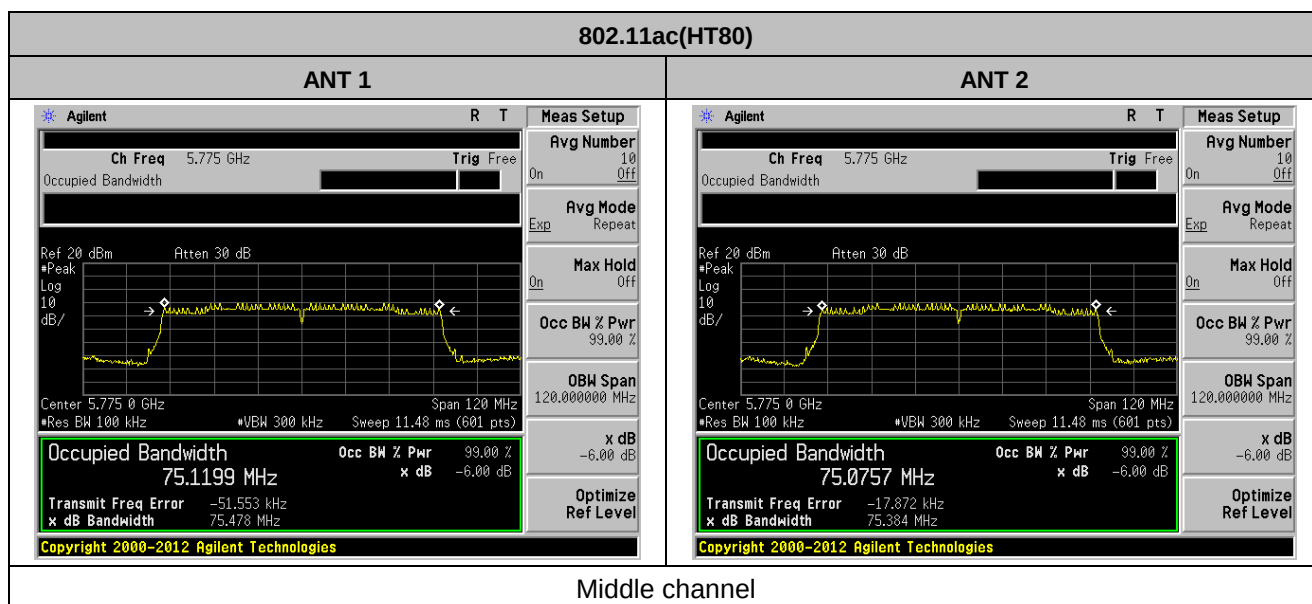




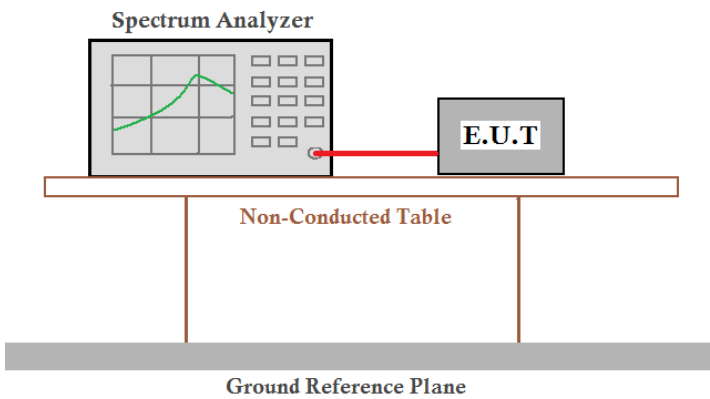








7.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407(a)(3)
Test Method:	ANSI C63.10:2013 and KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Limit:	30dBm/500kHz
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

ANT 1:

Test CH	Power Spectral Density (dBm/500kHz)						Limit (dBm/500k Hz)	Result
	802.11a	802.11n (HT20)	802.11ac (HT20)	802.11n (HT40)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	-0.87	-0.35	-0.71	-5.21	-3.34	---	30.00	Pass
Middle	-0.91	-1.65	-1.23	---	---	-8.62		
Highest	-1.11	-0.57	-0.78	-3.60	-3.88	---		

ANT 2:

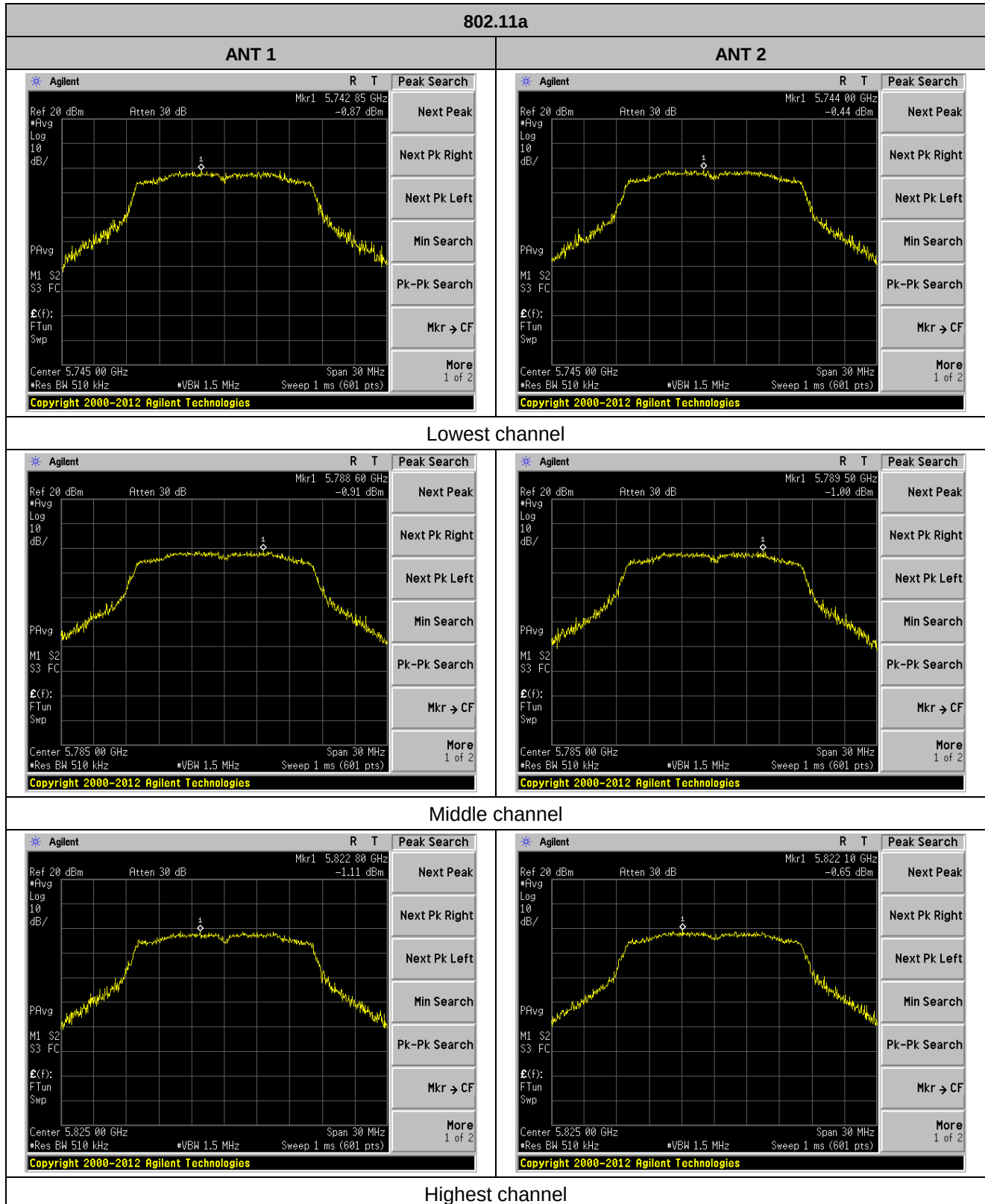
Test CH	Power Spectral Density (dBm/500kHz)						Limit (dBm/500k Hz)	Result
	802.11a	802.11n (HT20)	802.11ac (HT20)	802.11n (HT40)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	-0.44	-1.01	-0.60	-4.19	-3.24	---	30.00	Pass
Middle	-1.00	-1.36	-0.80	---	---	-8.87		
Highest	-0.65	-1.45	-1.68	-4.16	-3.78	---		

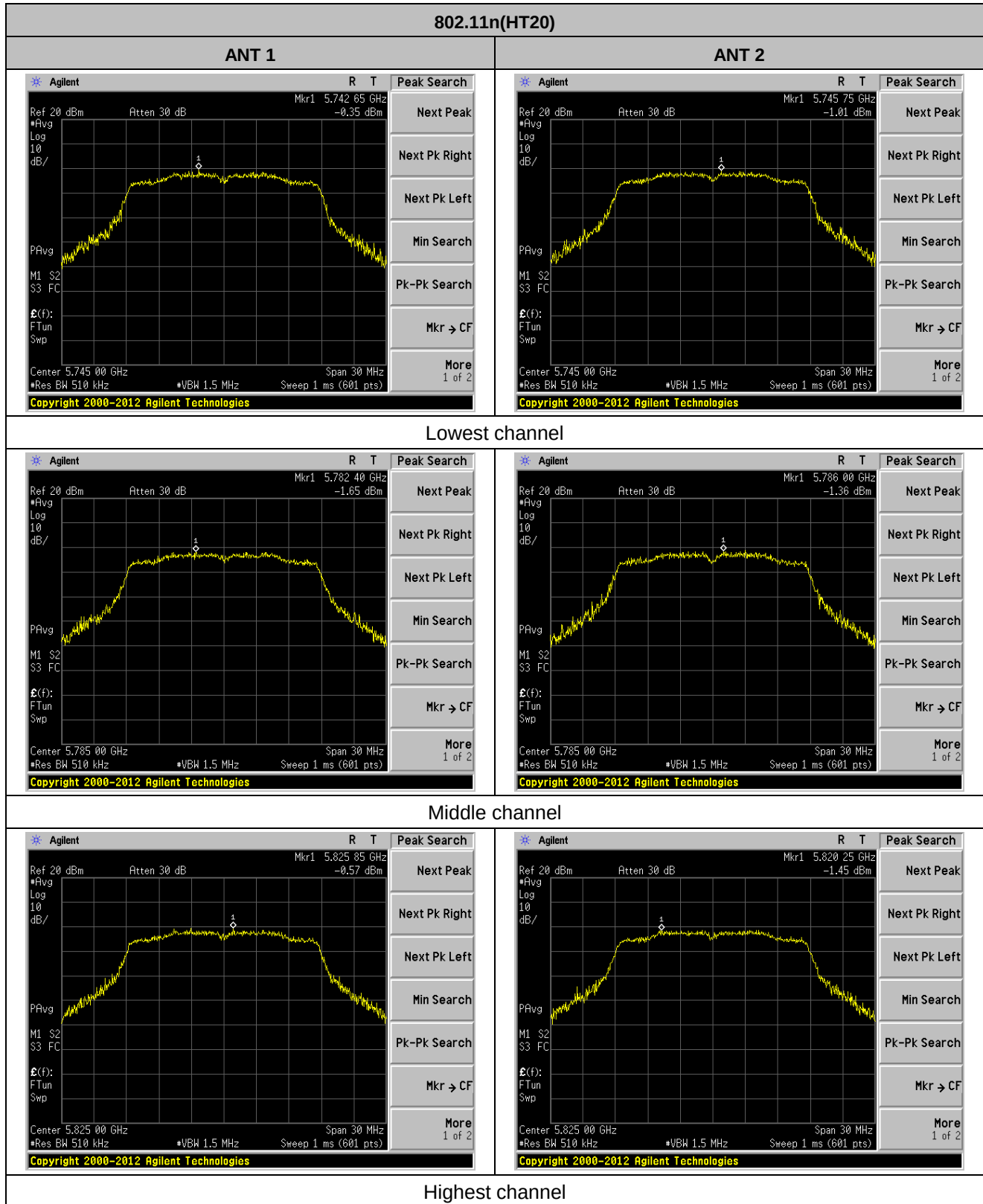
Remark: “---“is not applicable

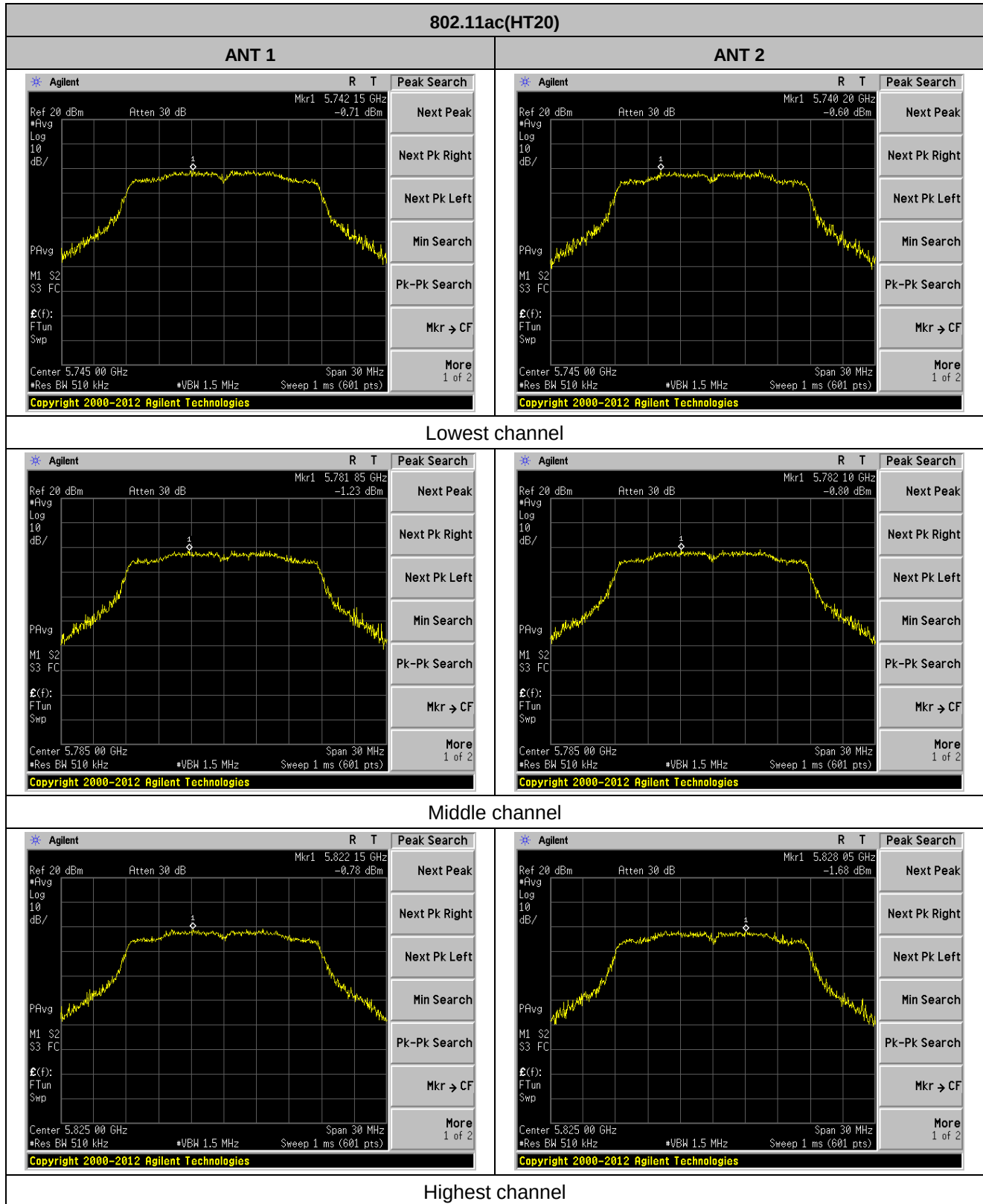
MIMO:

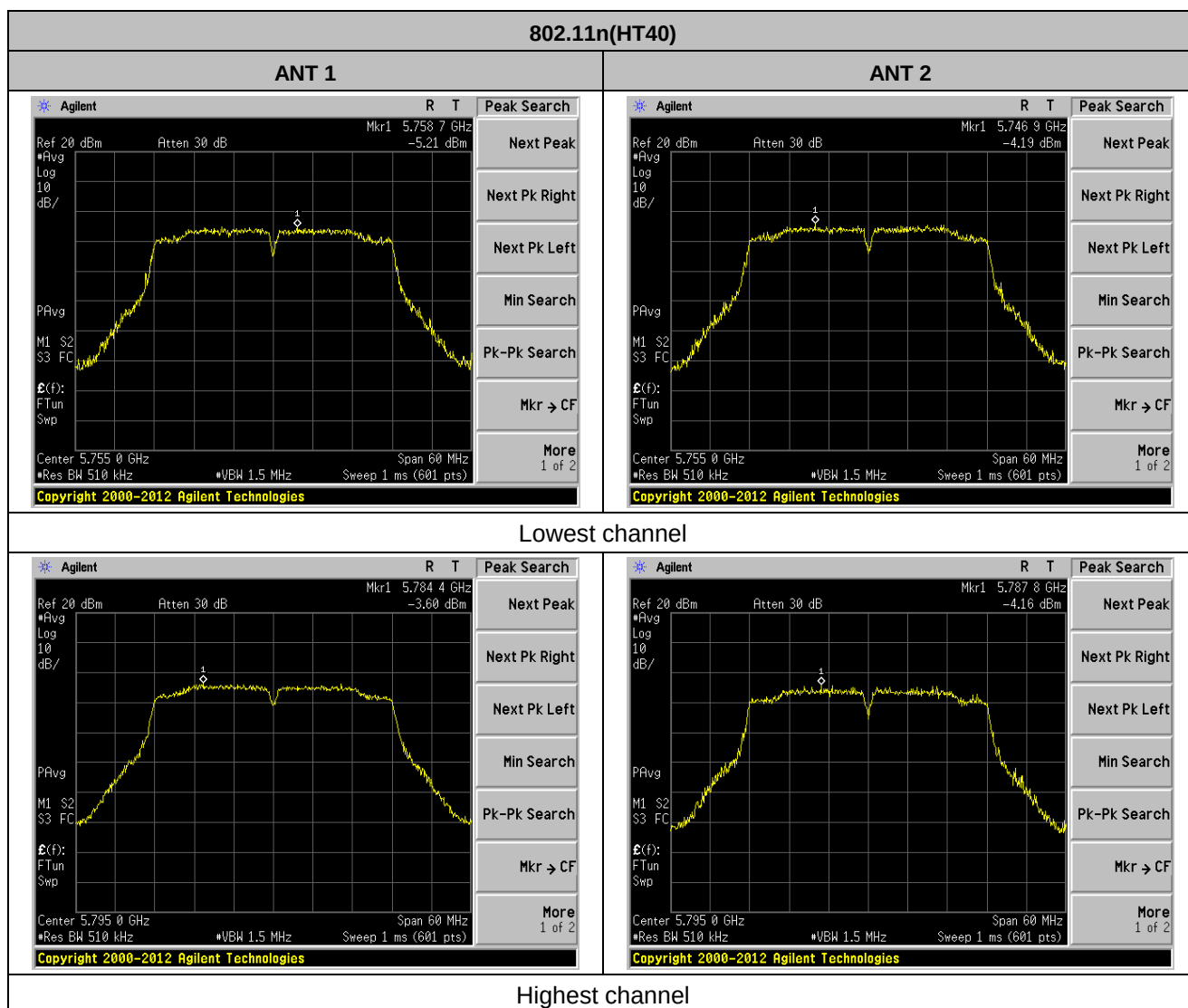
Test mode	Channel	ANT 1 power (dBm/500kHz)	ANT 2 power (dBm/500kHz)	MIMO power (dBm/500kHz)	Limit dBm/500kHz	Result
802.11n(HT20)	Lowest	-0.35	-1.01	2.34	30	Pass
	Middle	-1.65	-1.36	1.51		
	Highest	-0.57	-1.45	2.02		
802.11ac(HT20)	Lowest	-0.71	-0.60	2.36		
	Middle	-1.23	-0.80	2.00		
	Highest	-0.78	-1.68	1.80		
802.11n(HT40)	Lowest	-5.21	-4.19	-1.66		
	Highest	-3.60	-4.16	-0.86		
802.11ac(HT40)	Lowest	-3.34	-3.24	-0.28		
	Highest	-3.88	-3.78	-8.20		
802.11ac(HT80)	Middle	-8.62	-8.87	-5.73		

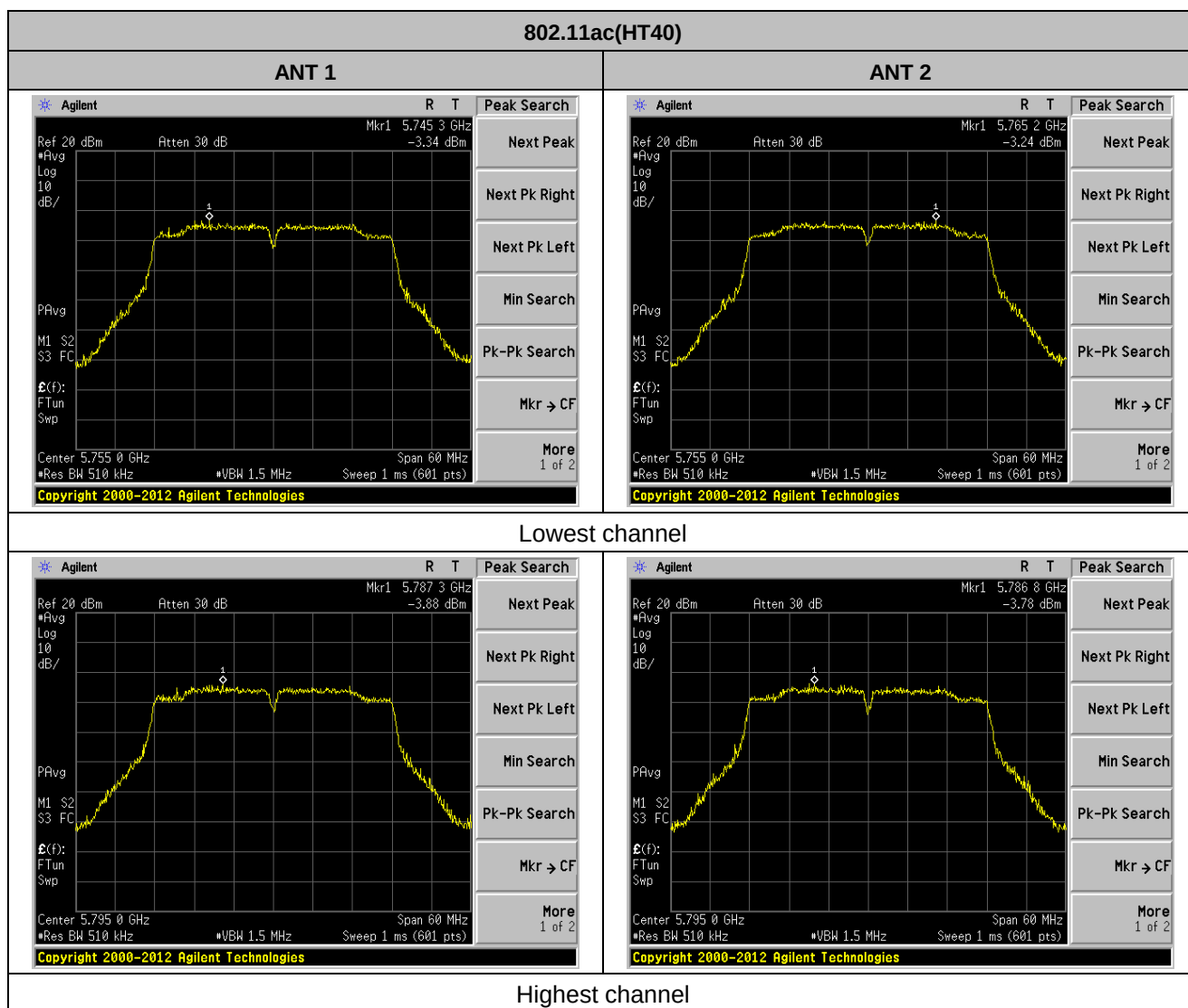
Test plot as follows:

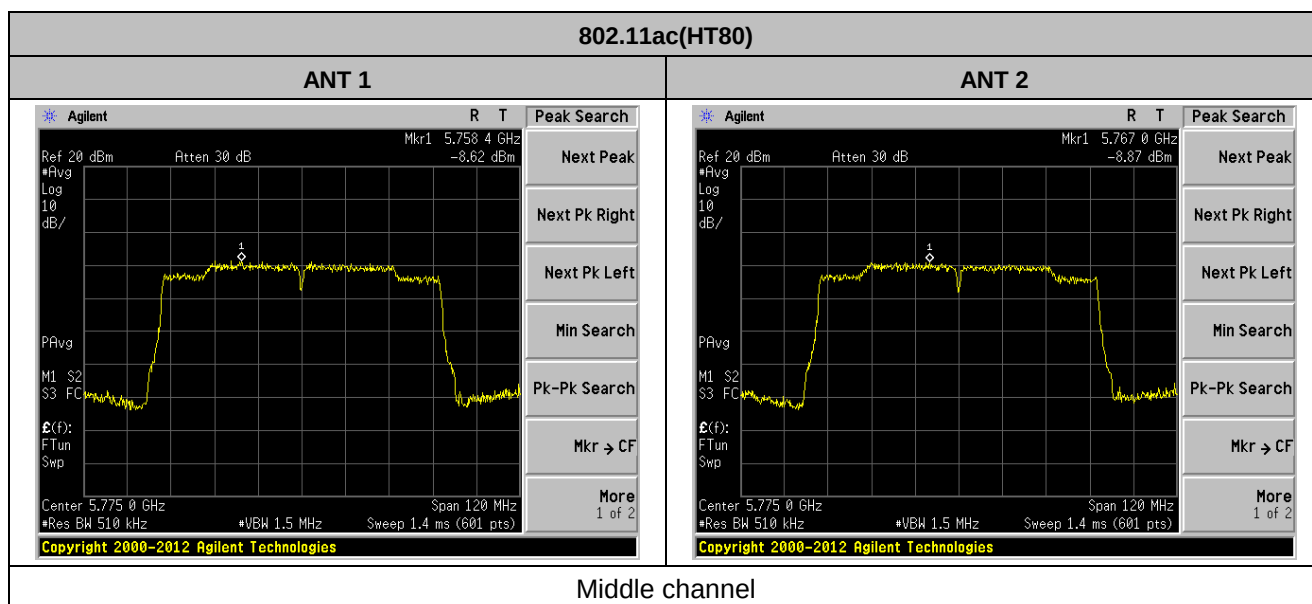






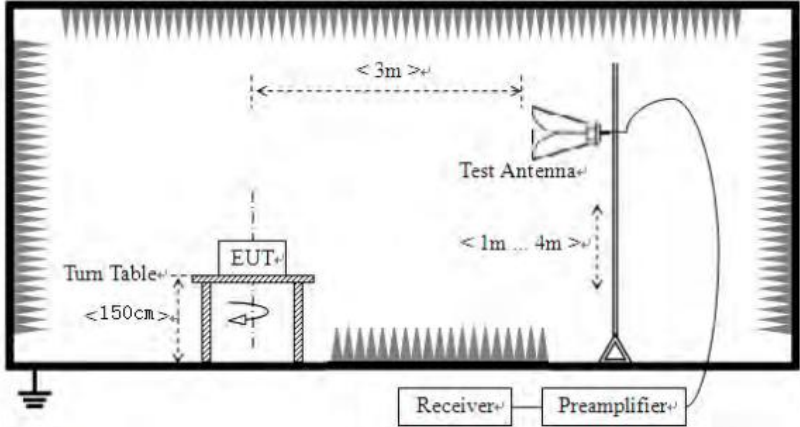






7.6 Band edge

7.6.1 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	9kHz to 40GHz, only worse case is reported				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above 1GHz	Peak	1MHz	3MHz	Peak
		RMS	1MHz	3MHz	RMS
Limit:	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.				
Test setup:					
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.2 for details				
Test results:	Pass				

Remarks:

- Only the worst case Main Antenna test data..
- Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.
- According to KDB 789033 D02v02r01 section G) 1) d),for measurements above 1000 MHz @3m distance, the limit of field strength is computed as follows:
 $E[dBuV/m] = EIRP[dBm] + 95.2;$
 $E[dBuV/m] = -27 + 95.2 = 68.2dBuV/m.$
 $E[dBuV/m] = 10 + 95.2 = 105.2dBuV/m.$
 $E[dBuV/m] = 15.6 + 95.2 = 110.8dBuV/m.$
 $E[dBuV/m] = 27 + 95.2 = 122.2dBuV/m$

Measurement data:

IEEE 802.11a								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	33.47	32.36	9.72	23.83	51.72	68.20	-16.48	Horizontal
5700.00	32.21	32.50	9.79	23.84	50.66	105.20	-54.54	Horizontal
5720.00	33.19	32.53	9.81	23.85	51.68	110.80	-59.12	Horizontal
5725.00	31.41	32.53	9.83	23.86	49.91	122.20	-72.29	Horizontal
5850.00	30.83	32.70	9.99	23.87	49.65	122.20	-72.55	Horizontal
5855.00	31.35	32.72	9.99	23.88	50.18	110.80	-60.62	Horizontal
5875.00	32.81	32.74	10.04	23.89	51.70	105.20	-53.50	Horizontal
5925.00	29.57	32.80	10.11	23.90	48.58	68.20	-19.62	Horizontal
5650.00	33.35	32.36	9.72	23.83	51.60	68.20	-16.60	Vertical
5700.00	29.57	32.50	9.79	23.84	48.02	105.20	-57.18	Vertical
5720.00	33.46	32.53	9.81	23.85	51.95	110.80	-58.85	Vertical
5725.00	34.00	32.53	9.83	23.86	52.50	122.20	-69.70	Vertical
5850.00	31.26	32.70	9.99	23.87	50.08	122.20	-72.12	Vertical
5855.00	29.82	32.72	9.99	23.88	48.65	110.80	-62.15	Vertical
5875.00	29.75	32.74	10.04	23.89	48.64	105.20	-56.56	Vertical
5925.00	29.84	32.80	10.11	23.90	48.85	68.20	-19.35	Vertical

IEEE 802.11n HT20								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	28.21	32.36	9.72	23.83	46.46	68.20	-21.74	Horizontal
5700.00	30.90	32.50	9.79	23.84	49.35	105.20	-55.85	Horizontal
5720.00	29.89	32.53	9.81	23.85	48.38	110.80	-62.42	Horizontal
5725.00	32.41	32.53	9.83	23.86	50.91	122.20	-71.29	Horizontal
5850.00	27.62	32.70	9.99	23.87	46.44	122.20	-75.76	Horizontal
5855.00	33.50	32.72	9.99	23.88	52.33	110.80	-58.47	Horizontal
5875.00	28.94	32.74	10.04	23.89	47.83	105.20	-57.37	Horizontal
5925.00	28.72	32.80	10.11	23.90	47.73	68.20	-20.47	Horizontal
5650.00	29.55	32.36	9.72	23.83	47.80	68.20	-20.40	Vertical
5700.00	30.05	32.50	9.79	23.84	48.50	105.20	-56.70	Vertical
5720.00	28.05	32.53	9.81	23.85	46.54	110.80	-64.26	Vertical
5725.00	27.37	32.53	9.83	23.86	45.87	122.20	-76.33	Vertical
5850.00	31.89	32.70	9.99	23.87	50.71	122.20	-71.49	Vertical
5855.00	30.68	32.72	9.99	23.88	49.51	110.80	-61.29	Vertical
5875.00	27.49	32.74	10.04	23.89	46.38	105.20	-58.82	Vertical
5925.00	30.04	32.80	10.11	23.90	49.05	68.20	-19.15	Vertical

IEEE 802.11ac HT20								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	29.40	32.36	9.72	23.83	47.65	68.20	-20.55	Horizontal
5700.00	28.98	32.50	9.79	23.84	47.43	105.20	-57.77	Horizontal
5720.00	29.91	32.53	9.81	23.85	48.40	110.80	-62.40	Horizontal
5725.00	32.51	32.53	9.83	23.86	51.01	122.20	-71.19	Horizontal
5850.00	27.78	32.70	9.99	23.87	46.60	122.20	-75.60	Horizontal
5855.00	29.84	32.72	9.99	23.88	48.67	110.80	-62.13	Horizontal
5875.00	31.17	32.74	10.04	23.89	50.06	105.20	-55.14	Horizontal
5925.00	30.49	32.80	10.11	23.90	49.50	68.20	-18.70	Horizontal
5650.00	27.68	32.36	9.72	23.83	45.93	68.20	-22.27	Vertical
5700.00	33.63	32.50	9.79	23.84	52.08	105.20	-53.12	Vertical
5720.00	27.11	32.53	9.81	23.85	45.60	110.80	-65.20	Vertical
5725.00	33.82	32.53	9.83	23.86	52.32	122.20	-69.88	Vertical
5850.00	32.46	32.70	9.99	23.87	51.28	122.20	-70.92	Vertical
5855.00	32.99	32.72	9.99	23.88	51.82	110.80	-58.98	Vertical
5875.00	31.36	32.74	10.04	23.89	50.25	105.20	-54.95	Vertical
5925.00	29.06	32.80	10.11	23.90	48.07	68.20	-20.13	Vertical

IEEE 802.11n HT40								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	28.92	32.36	9.72	23.83	47.17	68.20	-21.03	Horizontal
5700.00	28.49	32.50	9.79	23.84	46.94	105.20	-58.26	Horizontal
5720.00	29.57	32.53	9.81	23.85	48.06	110.80	-62.74	Horizontal
5725.00	32.10	32.53	9.83	23.86	50.60	122.20	-71.60	Horizontal
5850.00	27.81	32.70	9.99	23.87	46.63	122.20	-75.57	Horizontal
5855.00	30.10	32.72	9.99	23.88	48.93	110.80	-61.87	Horizontal
5875.00	28.67	32.74	10.04	23.89	47.56	105.20	-57.64	Horizontal
5925.00	29.73	32.80	10.11	23.90	48.74	68.20	-19.46	Horizontal
5650.00	27.45	32.36	9.72	23.83	45.70	68.20	-22.50	Vertical
5700.00	33.38	32.50	9.79	23.84	51.83	105.20	-53.37	Vertical
5720.00	33.49	32.53	9.81	23.85	51.98	110.80	-58.82	Vertical
5725.00	32.12	32.53	9.83	23.86	50.62	122.20	-71.58	Vertical
5850.00	32.16	32.70	9.99	23.87	50.98	122.20	-71.22	Vertical
5855.00	31.30	32.72	9.99	23.88	50.13	110.80	-60.67	Vertical
5875.00	30.73	32.74	10.04	23.89	49.62	105.20	-55.58	Vertical
5925.00	27.96	32.80	10.11	23.90	46.97	68.20	-21.23	Vertical

IEEE 802.11ac HT40								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	30.19	32.36	9.72	23.83	48.44	68.20	-19.76	Horizontal
5700.00	29.98	32.50	9.79	23.84	48.43	105.20	-56.77	Horizontal
5720.00	32.23	32.53	9.81	23.85	50.72	110.80	-60.08	Horizontal
5725.00	29.07	32.53	9.83	23.86	47.57	122.20	-74.63	Horizontal
5850.00	30.85	32.70	9.99	23.87	49.67	122.20	-72.53	Horizontal
5855.00	27.64	32.72	9.99	23.88	46.47	110.80	-64.33	Horizontal
5875.00	28.60	32.74	10.04	23.89	47.49	105.20	-57.71	Horizontal
5925.00	31.71	32.80	10.11	23.90	50.72	68.20	-17.48	Horizontal
5650.00	28.11	32.36	9.72	23.83	46.36	68.20	-21.84	Vertical
5700.00	29.24	32.50	9.79	23.84	47.69	105.20	-57.51	Vertical
5720.00	27.36	32.53	9.81	23.85	45.85	110.80	-64.95	Vertical
5725.00	28.11	32.53	9.83	23.86	46.61	122.20	-75.59	Vertical
5850.00	28.48	32.70	9.99	23.87	47.30	122.20	-74.90	Vertical
5855.00	32.85	32.72	9.99	23.88	51.68	110.80	-59.12	Vertical
5875.00	27.26	32.74	10.04	23.89	46.15	105.20	-59.05	Vertical
5925.00	27.72	32.80	10.11	23.90	46.73	68.20	-21.47	Vertical

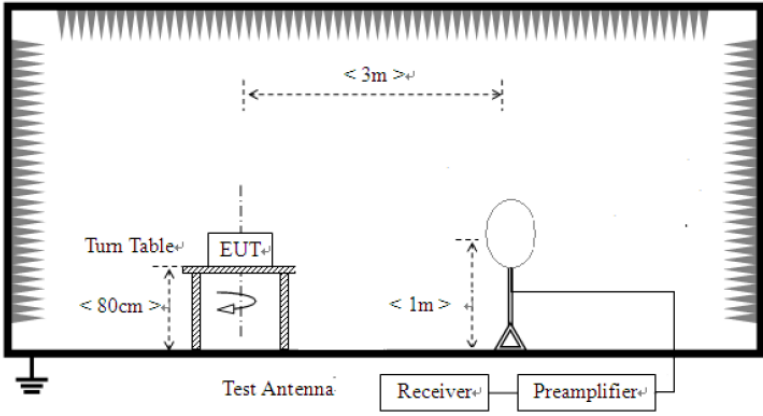
IEEE 802.11ac HT80								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	33.55	32.36	9.72	23.83	51.80	68.20	-16.40	Horizontal
5700.00	33.10	32.50	9.79	23.84	51.55	105.20	-53.65	Horizontal
5720.00	32.68	32.53	9.81	23.85	51.17	110.80	-59.63	Horizontal
5725.00	28.98	32.53	9.83	23.86	47.48	122.20	-74.72	Horizontal
5850.00	32.94	32.70	9.99	23.87	51.76	122.20	-70.44	Horizontal
5855.00	28.76	32.72	9.99	23.88	47.59	110.80	-63.21	Horizontal
5875.00	29.00	32.74	10.04	23.89	47.89	105.20	-57.31	Horizontal
5925.00	33.26	32.80	10.11	23.90	52.27	68.20	-15.93	Horizontal
5650.00	32.91	32.36	9.72	23.83	51.16	68.20	-17.04	Vertical
5700.00	32.92	32.50	9.79	23.84	51.37	105.20	-53.83	Vertical
5720.00	31.88	32.53	9.81	23.85	50.37	110.80	-60.43	Vertical
5725.00	28.87	32.53	9.83	23.86	47.37	122.20	-74.83	Vertical
5850.00	32.73	32.70	9.99	23.87	51.55	122.20	-70.65	Vertical
5855.00	27.53	32.72	9.99	23.88	46.36	110.80	-64.44	Vertical
5875.00	30.05	32.74	10.04	23.89	48.94	105.20	-56.26	Vertical
5925.00	27.41	32.80	10.11	23.90	46.42	68.20	-21.78	Vertical

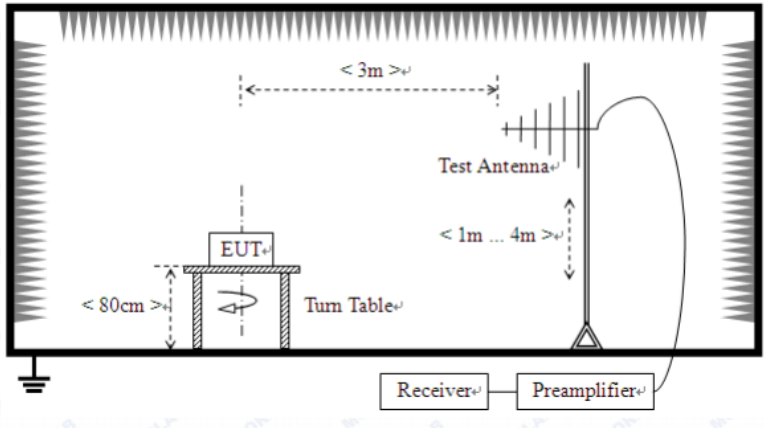
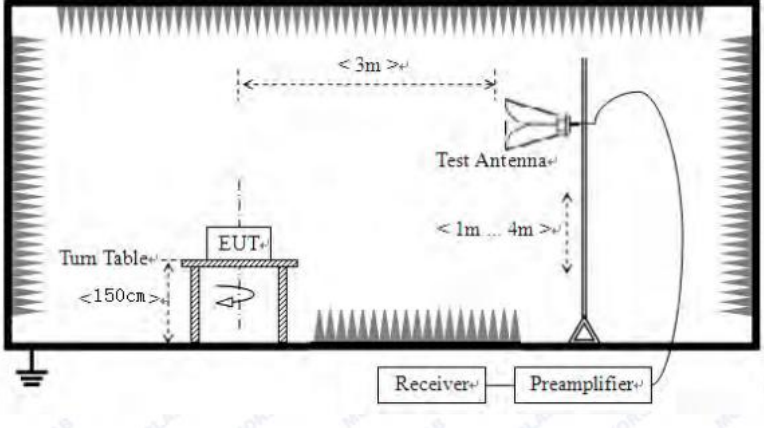
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

7.7 Spurious Emission

7.7.1 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209, Part 15E Section 15.407(b)(4)				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 40GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9kHz-150KHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance	
	0.009MHz-0.490MHz	2400/F(KHz)	QP	300m	
	0.490MHz-1.705MHz	24000/F(KHz)	QP	300m	
	1.705MHz-30MHz	30	QP	30m	
	30MHz-88MHz	100	QP	3m	
	88MHz-216MHz	150	QP		
	216MHz-960MHz	200	QP		
	960MHz-1GHz	500	QP		
	Frequency	Limit (dBm/MHz)	Remark		
	Above 1GHz	-27.0	Peak Value		
Test setup:	For radiated emissions from 9kHz to 30MHz				
	 For radiated emissions from 30MHz to 1GHz				

	 For radiated emissions above 1GHz 
Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not

	have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

Remarks:

1. Only the worst case Main Antenna test data.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

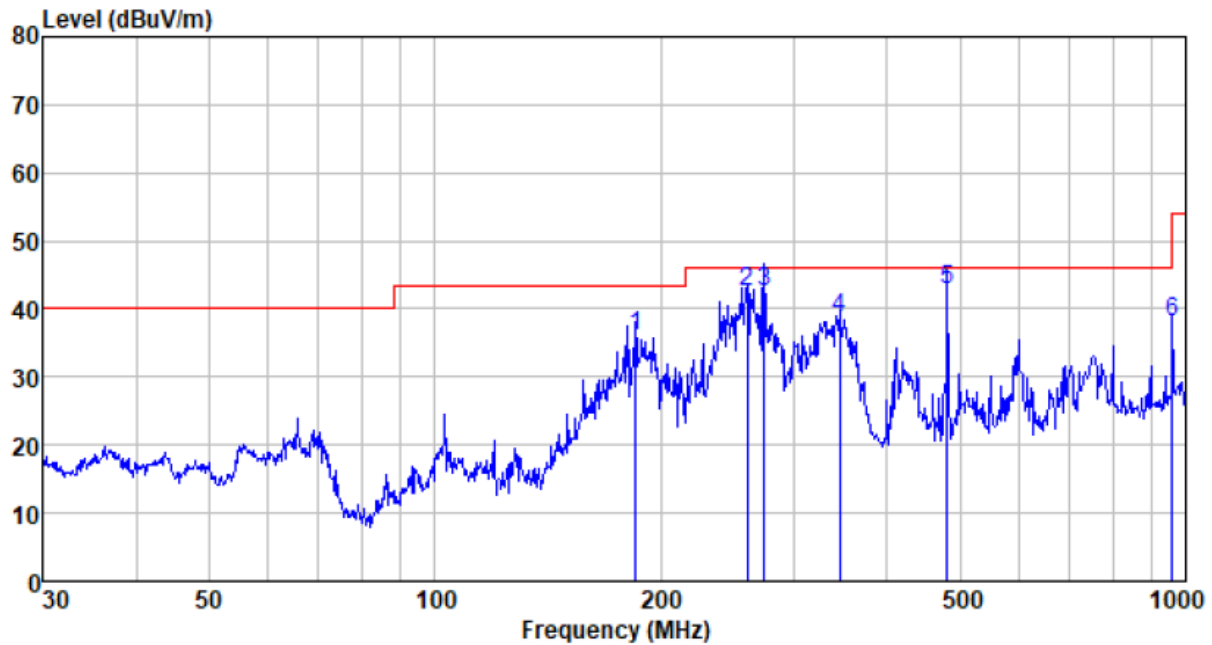
Measurement Data:

9 kHz ~ 30 MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

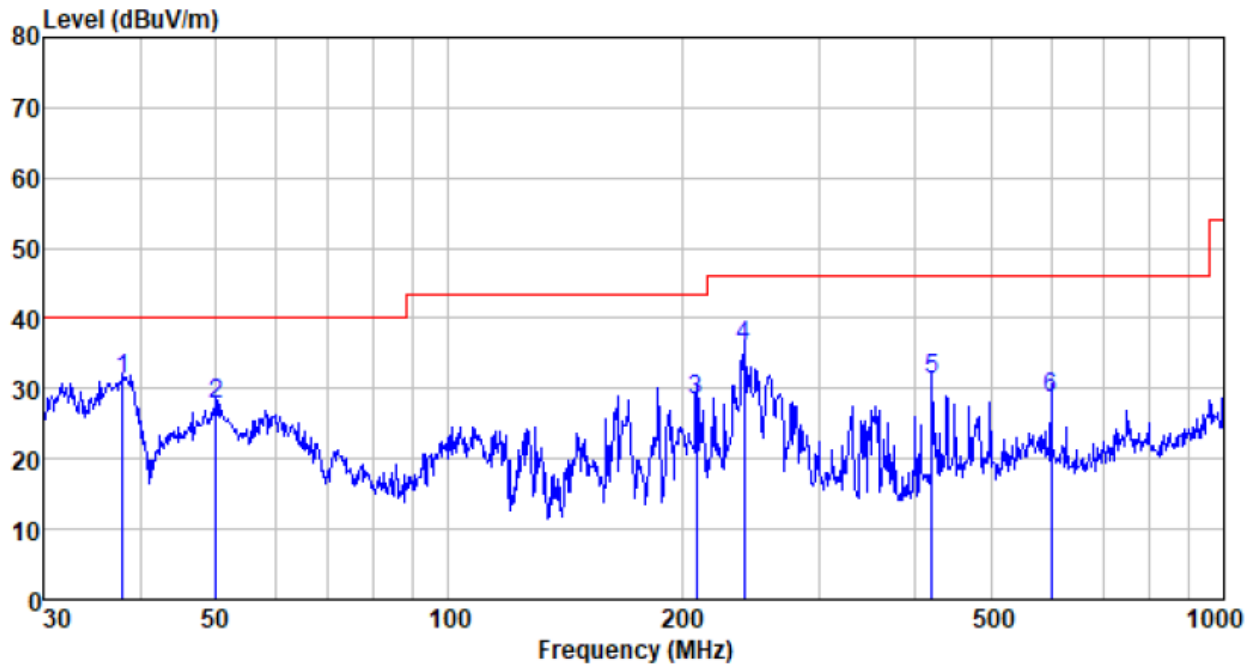
Below 1GHz

Horizontal:



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
185.138	62.17	9.40	1.77	37.26	36.08	43.50	-7.42	QP
260.144	65.19	12.47	2.18	37.39	42.45	46.00	-3.55	QP
274.194	64.81	12.87	2.24	37.40	42.52	46.00	-3.48	QP
345.595	59.13	14.45	2.60	37.47	38.71	46.00	-7.29	QP
480.528	60.23	16.93	3.22	37.51	42.87	46.00	-3.13	QP
958.794	47.95	22.54	5.08	37.55	38.02	46.00	-7.98	QP

Vertical:



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
37.945	54.25	11.86	0.64	35.54	31.21	40.00	-8.79	QP
50.057	50.89	12.30	0.77	36.18	27.78	40.00	-12.22	QP
208.580	53.01	10.73	1.89	37.34	28.29	43.50	-15.21	QP
240.830	59.48	11.85	2.08	37.37	36.04	46.00	-9.96	QP
420.580	50.20	15.75	2.95	37.52	31.38	46.00	-14.62	QP
599.321	43.04	19.44	3.72	37.54	28.66	46.00	-17.34	QP

Above 1GHz:

802.11a,11n(HT20),11ac(HT20),11n(HT40),11ac(HT40),11ac(HT80) all have been tested,
Only the data of worst case(ANT1) at each channel plan report

Test mode:		802.11a		Test channel:		lowest	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
V	11490	23.72	21.64	45.36	54	-8.64	PK
V	17235	21.40	21.8	43.2	54	-10.8	PK
H	11490	21.17	21.83	43	54	-11	PK
H	17235	22.57	21.67	44.24	54	-9.76	PK

Test mode:		802.11a		Test channel:		Middle	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
V	11570	24.10	21.64	45.74	54	-8.26	PK
V	17355	24.71	21.8	46.51	54	-7.49	PK
H	11570	23.28	21.83	45.11	54	-8.89	PK
H	17355	22.56	21.67	44.23	54	-9.77	PK

Test mode:		802.11a		Test channel:		Highest	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
V	11650	22.89	21.64	44.53	54	-9.47	PK
V	17475	21.50	21.8	43.3	54	-10.7	PK
H	11650	24.06	21.83	45.89	54	-8.11	PK
H	17475	23.15	21.67	44.82	54	-9.18	PK

Test mode:		802.11ac(HT40)		Test channel:		Lowest	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
V	11510	23.87	21.67	45.54	54	-8.46	PK
V	17265	18.86	21.83	40.69	54	-13.31	PK
H	11510	23.56	21.67	45.23	54	-8.77	PK
H	17265	19.29	21.83	41.12	54	-12.88	PK

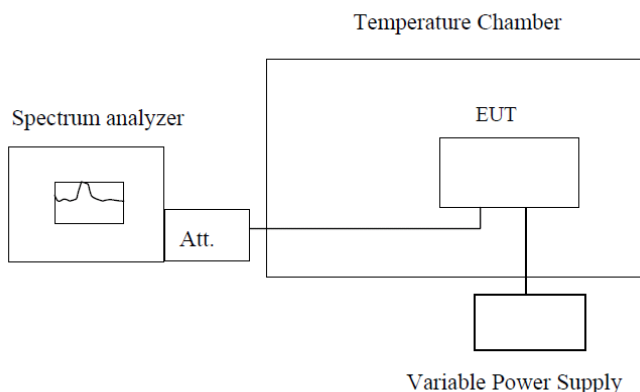
Test mode:		802.11ac(HT40)		Test channel:		Highest	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
V	11590	19.09	21.67	40.76	54	-13.24	PK
V	17385	22.00	21.83	43.83	54	-10.17	PK
H	11590	20.70	21.67	42.37	54	-11.63	PK
H	17385	20.06	21.83	41.89	54	-12.11	PK

Test mode:		802.11ac(HT80)		Test channel:		Middle	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV/m)	Factor (dBuV/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
V	11550	23.92	21.67	45.59	54	-8.41	PK
V	17325	19.66	21.83	41.49	54	-12.51	PK
H	11550	22.80	21.67	44.47	54	-9.53	PK
H	17325	20.86	21.83	42.69	54	-11.31	PK

Notes:

1. Measure Level = Reading Level + Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

7.8 Frequency stability

Test Requirement:	FCC Part15 C Section 15.407(g)
Test Method:	ANSI C63.10:2013, FCC Part 2.1055
Limit:	Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified
Test Procedure:	The EUT was setup to ANSI C63.4, 2003; tested to 2.1055 for compliance to FCC Part 15.407(g) requirements.
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement data:

Frequency stability versus Temp.					
Power Supply: AC 120V					
Temp. (°C)	Operating Frequency (MHz)	0 minute Measured Frequency (MHz)	2 minute Measured Frequency (MHz)	5 minute Measured Frequency (MHz)	10 minute Measured Frequency (MHz)
-30	5775	5775.034	5775.989	5775.958	5775.114
	5795	5795.124	5795.274	5795.986	5795.84
	5825	5825.606	5825.977	5825.767	5825.583
-20	5775	5775.687	5775.333	5775.798	5775.192
	5795	5795.59	5795.894	5795.491	5795.555
	5825	5825.133	5825.331	5825.795	5825.026
-10	5775	5775.266	5775.463	5775.097	5775.084
	5795	5795.157	5795.276	5795.403	5795.377
	5825	5825.398	5825.053	5825.179	5825.978
0	5775	5775.418	5775.196	5775.247	5775.196
	5795	5795.198	5795.005	5795.605	5795.897
	5825	5825.32	5825.183	5825.097	5825.978
10	5775	5775.574	5775.335	5775.856	5775.007
	5795	5795.683	5795.733	5795.563	5795.913
	5825	5825.72	5825.369	5825.682	5825.238
20	5775	5775.494	5775.827	5775.617	5775.626
	5795	5795.912	5795.875	5795.024	5795.857
	5825	5825.945	5825.71	5825.621	5825.641
30	5775	5775.086	5775.662	5775.605	5775.95
	5795	5795.395	5795.094	5795.1	5795.757
	5825	5825.291	5825.22	5825.514	5825.438
40	5775	5775.18	5775.972	5775.22	5775.569
	5795	5795.15	5795.508	5795.697	5795.815
	5825	5825.327	5825.951	5825.475	5825.371
50	5775	5775.956	5775.726	5775.493	5775.726
	5795	5795.191	5795.63	5795.61	5795.061
	5825	5825.825	5825.249	5825.86	5825.036

Frequency stability versus Voltage					
Temperature: 25°C					
Power Supply (VAC)	Operating Frequency (MHz)	0 minute Measured Frequency (MHz)	2 minute Measured Frequency (MHz)	5 minute Measured Frequency (MHz)	10 minute Measured Frequency (MHz)
108	5775	5775.556	5775.783	5775.642	5775.686
	5795	5795.917	5795.234	5795.564	5795.461
	5825	5825.561	5825.016	5825.799	5825.36
120	5775	5775.529	5775.753	5775.026	5775.97
	5795	5795.654	5795.513	5795.1	5795.342
	5825	5825.775	5825.417	5825.016	5825.559
132	5775	5775.702	5775.658	5775.514	5775.157
	5795	5795.97	5795.107	5795.196	5795.537
	5825	5825.98	5825.282	5825.941	5825.45

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

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