

FCC REPORT

(UNII)

Applicant: Libre Wireless Technologies, Inc.
Address of Applicant: 2100 Geng Road, Suite 210, Palo Alto, CA 94303, USA

Equipment Under Test (EUT)

Product Name: WiFi Media Streaming Module
Model No.: LS9X-AC11DBT-C, LS9X-AC11DBT-AC
Trade mark:



FCC ID: 2ADBM-LS9X-AC11DBT
Applicable standards: FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of sample receipt: 17 Jan., 2020
Date of Test: 17 Jan., to 14 Mar., 2020
Date of report issued: 21 May, 2020
Test Result: PASS*

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

Authorized Signature:

A blue circular stamp from Shenzhen Zhongjian Nanfang Testing Co., Ltd. (CCIS) is visible. Overlaid on the stamp is a handwritten signature in blue ink.

Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	21 May, 2020	Original

Tested by: Mike.ou
Test Engineer

Date: 21 May, 2020

Reviewed by: Winner Zhang
Project Engineer

Date: 21 May, 2020

3 Contents

Page

1	COVER PAGE.....	1
2	VERSION	2
3	CONTENTS	3
4	TEST SUMMARY	4
5	GENERAL INFORMATION.....	5
	5.1 CLIENT INFORMATION.....	5
	5.2 GENERAL DESCRIPTION OF E.U.T.....	5
	5.3 TEST ENVIRONMENT AND TEST MODE	7
	5.4 DESCRIPTION OF SUPPORT UNITS.....	8
	5.5 MEASUREMENT UNCERTAINTY.....	8
	5.6 ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD	8
	5.7 RELATED SUBMITTAL(S) / GRANT (S)	8
	5.8 LABORATORY FACILITY	8
	5.9 LABORATORY LOCATION	8
	5.10 TEST INSTRUMENTS LIST	9
6	TEST RESULTS AND MEASUREMENT DATA.....	10
	6.1 ANTENNA REQUIREMENT	10
	6.2 CONDUCTED EMISSION	11
	6.3 CONDUCTED OUTPUT POWER	16
	6.4 OCCUPY BANDWIDTH	31
	6.5 POWER SPECTRAL DENSITY	58
	6.6 BAND EDGE	73
	6.7 SPURIOUS EMISSION.....	122
	6.7.1 Restricted Band	122
	6.7.2 Unwanted Emissions out of the Restricted Bands	123
	6.8 FREQUENCY STABILITY	177
7	TEST SETUP PHOTO	180
8	EUT CONSTRUCTIONAL DETAILS	181

4 Test Summary

Test Item	Section in CFR 47	Test Result
Antenna requirement	15.203 & 15.407 (a)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.407 (a) (1) (iv) & (a) (2) & (a) (3)	Pass
26dB Occupied Bandwidth	15.407 (a) (5)	Pass
6dB Emission Bandwidth	15.407(e)	Pass
Power Spectral Density	15.407 (a) (1) (iv) & (a) (2) & (a) (3)	Pass
Band Edge	15.407(b)	Pass
Spurious Emission	15.407 (b) & 15.205 & 15.209	Pass
Frequency Stability	15.407(g)	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).		
Test Method:	ANSI C63.4-2014 ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedures New Rules v02r01	

5 General Information

5.1 Client Information

Applicant:	Libre Wireless Technologies, Inc.
Address:	2100 Geng Road, Suite 210, Palo Alto, CA 94303, USA
Manufacturer:	Libre Wireless Technologies, Inc.
Address:	2100 Geng Road, Suite 210, Palo Alto, CA 94303, USA

5.2 General Description of E.U.T.

Product Name:	WiFi Media Streaming Module
Model No.:	LS9X-AC11DBT-C, LS9X-AC11DBT-AC
Operation Frequency:	Band 1: 5150MHz-5250MHz, Band 2: 5250MHz-5350MHz Band 3: 5470MHz-5725MHz, Band 4: 5725MHz-5825MHz
Channel numbers:	Band 1: 802.11a/n20/ac20: 4, 802.11n40/ac40: 2, 802.11ac80: 1 Band 2: 802.11a/802.11n20/ac20: 4, 802.11n40/ac40: 2, 802.11ac80: 1 Band 3: 802.11a/802.11n20/ac20: 11, 802.11n40/ac40: 5, 802.11ac80: 2 Band 4: 802.11a/802.11n20/ac20: 5, 802.11n40/ac40: 2, 802.11ac80: 1
Channel separation:	802.11a/n20/ac20: 20MHz, 802.11n/ac40: 40MHz, 802.11ac80: 80MHz
Modulation technology (IEEE 802.11a):	BPSK, QPSK, 16-QAM, 64-QAM
Modulation technology (IEEE 802.11n):	BPSK, QPSK, 16-QAM, 64-QAM
Modulation technology (IEEE 802.11ac):	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
Data speed (IEEE 802.11a):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n20):	MCS0: 6.5Mbps, MCS1: 13Mbps, MCS2: 19.5Mbps, MCS3: 26Mbps, MCS4: 39Mbps, MCS5: 52Mbps, MCS6: 58.5Mbps, MCS7: 65Mbps
Data speed (IEEE 802.11n40):	MCS0: 15Mbps, MCS1: 30Mbps, MCS2: 45Mbps, MCS3: 60Mbps, MCS4: 90Mbps, MCS5: 120Mbps, MCS6: 135Mbps, MCS7: 150Mbps
Data speed (IEEE 802.11ac):	Up to 433.3Mbps
Antenna Type:	Rod Antenna, PCB Antenna
Antenna gain:	Rod antenna: 3.0 dBi PCB antenna: 3.1 dBi
Power supply:	DC 3.3V
Remark:	WiFi Media Streaming Module part number LS9X-AC11DBT-AC is a variant product of LS9X-AC11DBT-C. The difference between the variant models is DDR3 memory size, LS9X-AC11DBT-C DDR3 memory size is 256MB while the LS9X-AC11DBT-AC DDR3 memory size is 512MB. The circuit principle and all remaining components are the same.
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency each of channel					
Band 1					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	38	5190MHz	42	5210MHz
40	5200MHz	46	5230MHz		
44	5220MHz				
48	5240MHz				
Band 2					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260MHz	54	5270MHz	58	5290MHz
56	5280MHz	62	5310MHz		
60	5300MHz				
64	5320MHz				
Band 3					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
100	5500MHz	102	5510MHz	106	5530MHz
104	5520MHz	110	5550MHz	122	5610MHz
108	5540MHz	118	5590MHz		
112	5560MHz	126	5630MHz		
116	5580MHz	134	5670MHz		
120	5600MHz				
124	5620MHz				
128	5640MHz				
132	5660MHz				
136	5680MHz				
140	5700MHz				
Band 4					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745MHz	151	5755MHz	155	5775MHz
153	5765MHz	159	5795MHz		
157	5785MHz				
161	5805MHz				
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:

Band 1					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
Lowest	5180MHz	Lowest	5190MHz	Middle	5210MHz
Middle	5200MHz	Highest	5230MHz		
Highest	5240MHz				
Band 2					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
Lowest	5260MHz	Lowest	5270MHz	Middle	5290MHz
Middle	5280MHz	Highest	5310MHz		
Highest	5320MHz				
Band 3					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
Lowest	5500MHz	Lowest	5510MHz	Lowest	5530MHz
Middle	5600MHz	Middle	5590MHz	Highest	5610MHz
Highest	5700MHz	Highest	5670MHz		
Band 4					
802.11a/802.11n/ac-HT20		802.11n/ac-HT40		802.11ac-HT80	
Channel	Frequency	Channel	Frequency	Channel	Frequency
Lowest	5745MHz	Lowest	5755MHz	Middle	5775MHz
Middle	5785MHz	Highest	5795MHz		
Highest	5825MHz				

5.3 Test environment and test mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Continuously transmitting mode	Keep the EUT in 100% duty cycle transmitting with modulation.
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, and found the follow list were the worst case.	
Mode	Data rate
802.11a	6 Mbps
802.11n/ac20	6.5 Mbps
802.11n/ac40	13.5 Mbps
802.11ac80	29.3 Mbps

5.4 Description of Support Units

Manufacturer	Description	Model	S/N	FCC ID/DoC
LENOVO	Laptop	SL510	2847A65	DoC
MERCURY	Wireless router	MW150R	12922104015	FCC ID
Libre	Test suite	WL-AM01B-7620A-TEST-V3.0	/	/

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.38 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.36 dB (k=2)

5.6 Additions to, deviations, or exclusions from the method

No

5.7 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.
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5.8 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations: ● FCC - Designation No.: CN1211 Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551. ● ISED – CAB identifier.: CN0021 The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1. ● A2LA - Registration No.: 4346.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf
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5.9 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd. Address: No.110~116, Building B, Jinyuan Business Building, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info@ccis-cb.com, Website: http://www.ccis-cb.com
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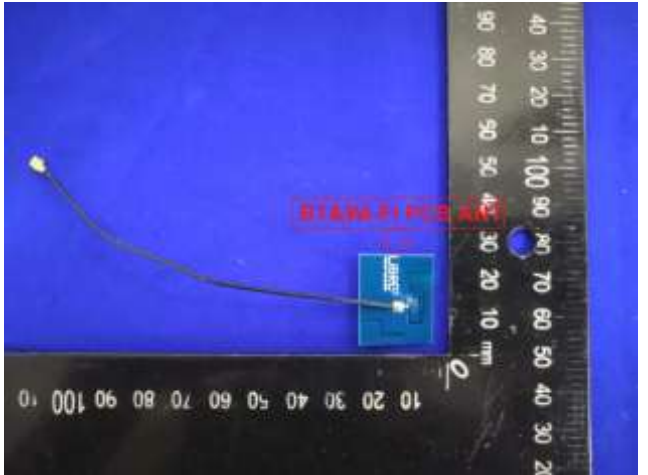
5.10 Test Instruments list

Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
Biconical Antenna	SCHWARZBECK	VUBA9117	359	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
Pre-amplifier	CD	PAP-1G18	11804	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
Spectrum Analyzer	Agilent	N9020A	MY50510123	11-18-2019	11-17-2020
Signal Generator	Rohde & Schwarz	SMX	835454/016	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
Signal Generator	R&S	SMR20	1008100050	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
RF Switch Unit	MWRFTTEST	MW200	N/A	N/A	N/A
Test Software	MWRFTTEST	MTS8200	Version: 2.0.0.0		
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2019	03-06-2020
				03-07-2020	03-06-2021
DC Power Supply	XinNuoEr	WYK-10020K	1409050110020	09-25-2019	09-24-2020
Temperature Humidity Chamber	HengPu	HPGDS-500	20140828008	11-01-2019	10-31-2020
Simulated Station	Rohde & Schwarz	CMW500	140493	07-22-2019	07-21-2020

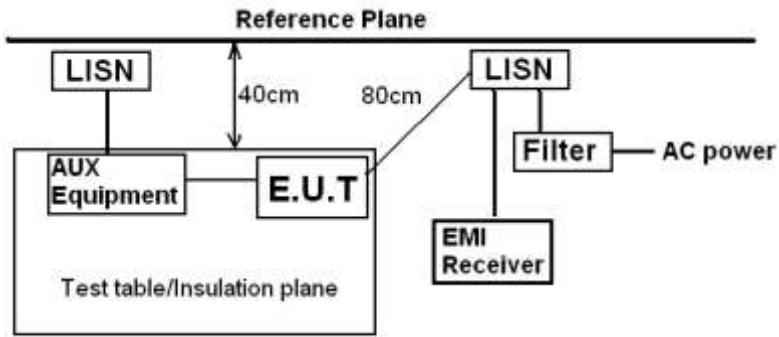
Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
LISN	CHASE	MN2050D	1447	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2020
Cable	HP	10503A	N/A	03-05-2019	03-04-2020
				03-05-2020	03-04-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		

6 Test results and Measurement Data

6.1 Antenna requirement

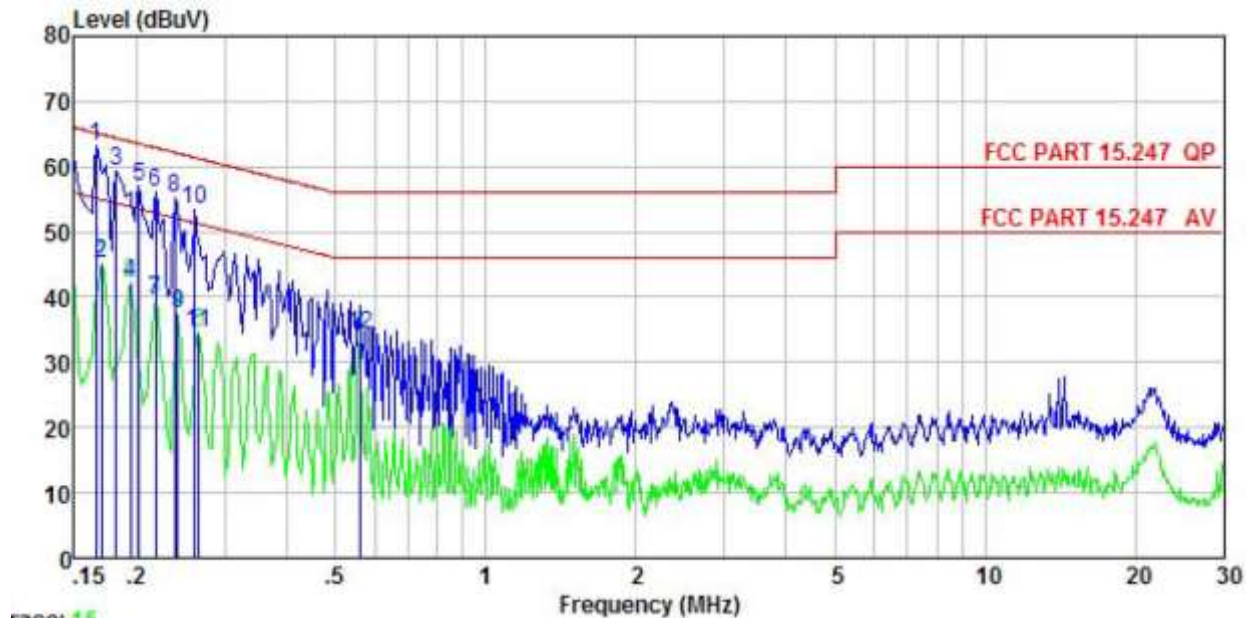
Standard requirement:	FCC Part15 E Section 15.203 /407(a)						
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.							
E.U.T Antenna:							
The product is a professionally installed device which has two types of antennas for the application. The antennas information as below table: <table border="1"> <thead> <tr> <th>Antenna Type</th><th>Antenna Gain(dBi)</th></tr> </thead> <tbody> <tr> <td>Rod Antenna</td><td>3.00</td></tr> <tr> <td>PCB Antenna</td><td>1.50</td></tr> </tbody> </table> According to above information, the antennas meet the requirements of this section		Antenna Type	Antenna Gain(dBi)	Rod Antenna	3.00	PCB Antenna	1.50
Antenna Type	Antenna Gain(dBi)						
Rod Antenna	3.00						
PCB Antenna	1.50						
Rod Antenna	PCB Antenna						
							

6.2 Conducted Emission

Test Requirement:	FCC Part15 C Section 15.207		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)	Limit (dBUV)	
		Quasi-peak	
	0.15-0.5	66 to 56*	0.15-0.5
	0.5-5	56	0.5-5
	5-30	60	5-30
* Decreases with the logarithm of the frequency.			
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.). It 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(latest version) on conducted measurement.		
Test setup:	 Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Instruments:	Refer to section 5.10 for details		
Test mode:	Refer to section 5.3 for details.		
Test results:	Passed		

Measurement Data:

Product name:	WiFi Media Streaming Module	Product model:	LS9X-AC11DBT-C
Test by:	Mike	Test mode:	5G Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Humi: 55%

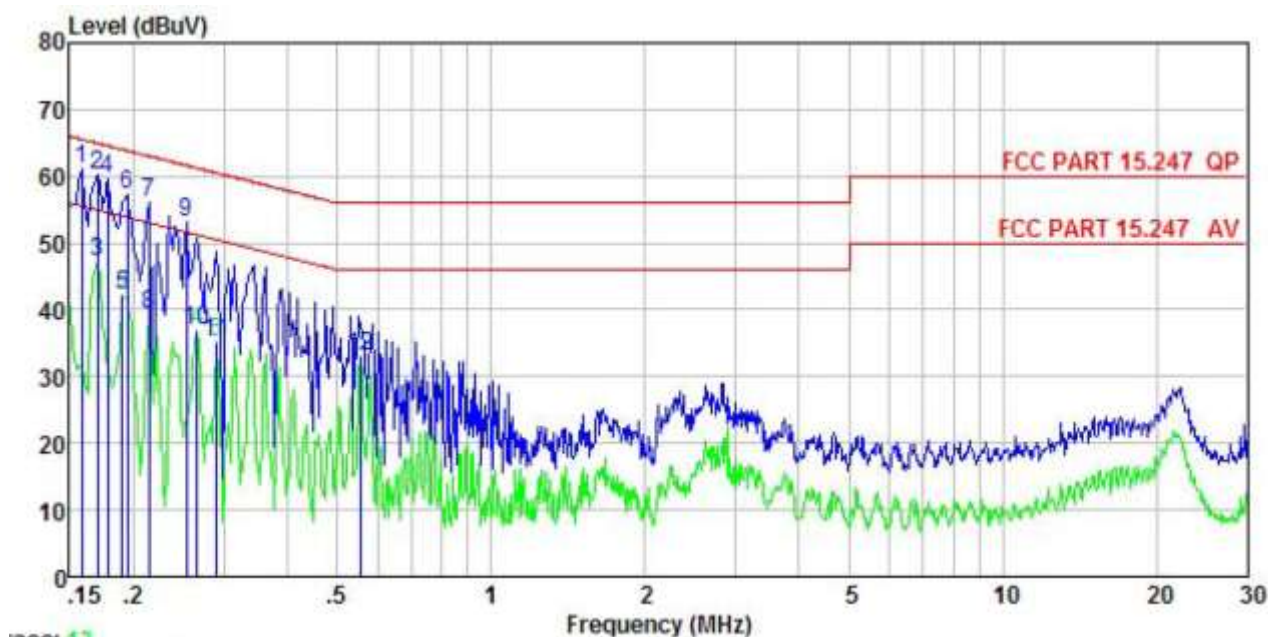


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.166	53.08	-0.58	-0.09	10.77	63.18	65.16	-1.98	QP
2	0.170	34.94	-0.58	-0.10	10.77	45.03	54.94	-9.91	Average
3	0.182	49.13	-0.58	-0.12	10.77	59.20	64.42	-5.22	QP
4	0.194	32.30	-0.59	-0.15	10.76	42.32	53.84	-11.52	Average
5	0.202	46.85	-0.59	-0.16	10.76	56.86	63.54	-6.68	QP
6	0.219	46.14	-0.58	-0.18	10.76	56.14	62.88	-6.74	QP
7	0.219	29.65	-0.58	-0.18	10.76	39.65	52.88	-13.23	Average
8	0.238	45.36	-0.57	-0.20	10.75	55.34	62.17	-6.83	QP
9	0.242	27.57	-0.57	-0.21	10.75	37.54	52.04	-14.50	Average
10	0.262	43.43	-0.56	-0.23	10.75	53.39	61.38	-7.99	QP
11	0.266	24.48	-0.56	-0.23	10.75	34.44	51.25	-16.81	Average
12	0.558	24.35	-0.46	-0.37	10.76	34.28	46.00	-11.72	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 + Aux Factor + Cable Loss.

Product name:	WiFi Media Streaming Module	Product model:	LS9X-AC11DBT-C
Test by:	Mike	Test mode:	5G Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Humi: 55%

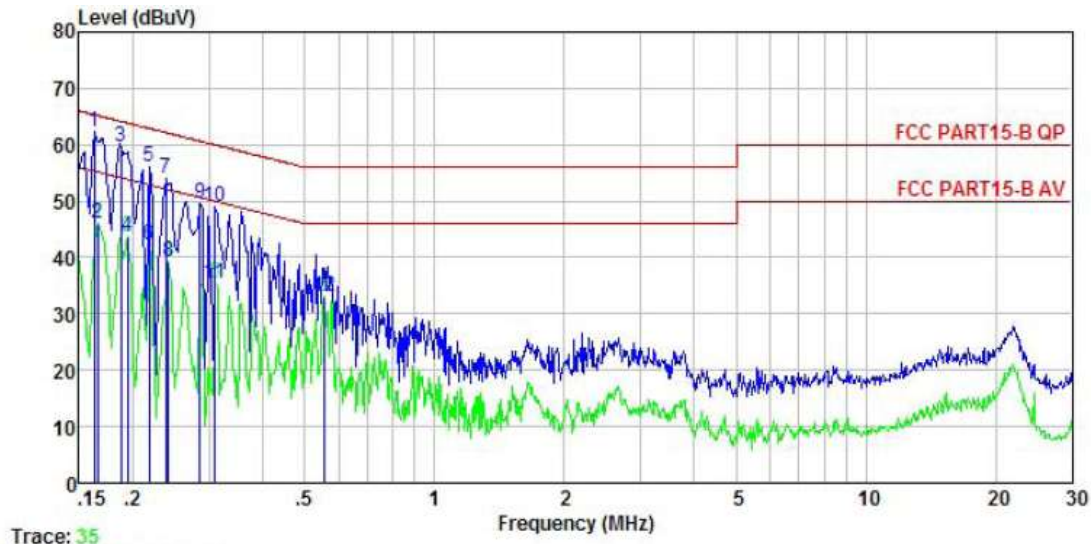


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	51.05	-0.69	0.01	10.77	61.14	65.56	-4.42	QP
2	0.170	50.21	-0.68	0.01	10.77	60.31	64.94	-4.63	QP
3	0.170	37.07	-0.68	0.01	10.77	47.17	54.94	-7.77	Average
4	0.178	49.54	-0.68	0.00	10.77	59.63	64.59	-4.96	QP
5	0.190	31.98	-0.67	0.00	10.76	42.07	54.02	-11.95	Average
6	0.194	47.29	-0.67	0.00	10.76	57.38	63.84	-6.46	QP
7	0.214	46.07	-0.67	0.00	10.76	56.16	63.05	-6.89	QP
8	0.214	29.08	-0.67	0.00	10.76	39.17	53.05	-13.88	Average
9	0.253	43.10	-0.67	0.01	10.75	53.19	61.64	-8.45	QP
10	0.266	26.82	-0.67	0.01	10.75	36.91	51.25	-14.34	Average
11	0.289	25.09	-0.67	0.01	10.74	35.17	50.54	-15.37	Average
12	0.555	22.86	-0.65	0.03	10.76	33.00	46.00	-13.00	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 + Aux Factor + Cable Loss.

Product name:	WiFi Media Streaming Module	Product model:	LS9X-AC11DBT-AC
Test by:	Mike	Test mode:	5G Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Humi: 55%

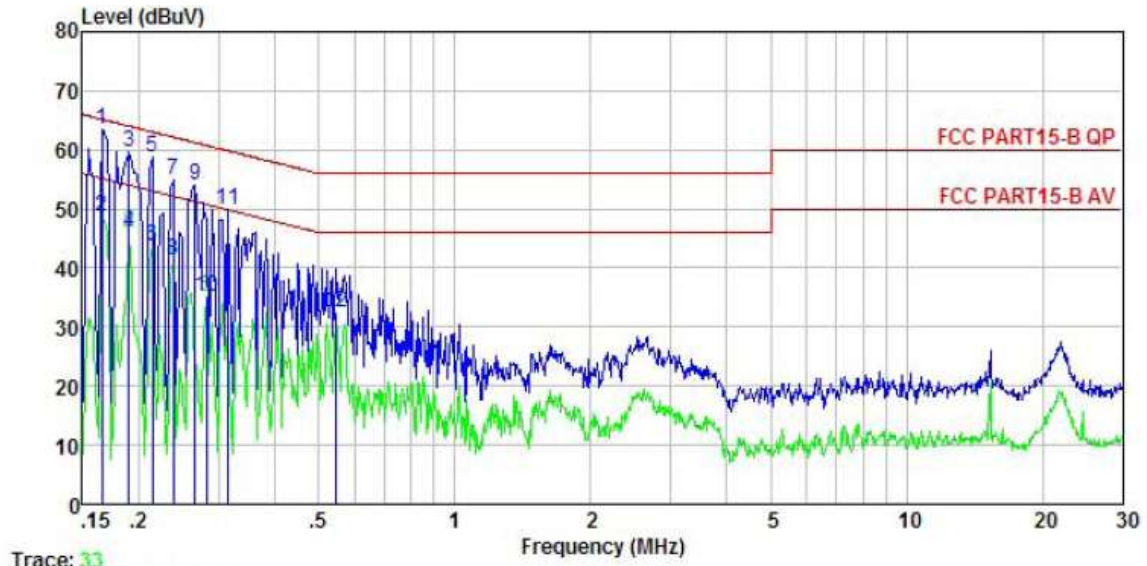


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.162	52.23	-0.58	-0.08	10.77	62.34	65.34	-3.00	QP
2	0.166	36.00	-0.58	-0.09	10.77	46.10	55.16	-9.06	Average
3	0.187	49.72	-0.59	-0.13	10.76	59.76	64.15	-4.39	QP
4	0.194	33.58	-0.59	-0.15	10.76	43.60	53.84	-10.24	Average
5	0.219	46.02	-0.58	-0.18	10.76	56.02	62.88	-6.86	QP
6	0.219	32.21	-0.58	-0.18	10.76	42.21	52.88	-10.67	Average
7	0.238	43.95	-0.57	-0.20	10.75	53.93	62.17	-8.24	QP
8	0.242	29.21	-0.57	-0.21	10.75	39.18	52.04	-12.86	Average
9	0.286	39.74	-0.55	-0.25	10.74	49.68	60.63	-10.95	QP
10	0.310	39.11	-0.54	-0.18	10.74	49.13	59.97	-10.84	QP
11	0.310	25.34	-0.54	-0.18	10.74	35.36	49.97	-14.61	Average
12	0.555	23.00	-0.46	-0.37	10.76	32.93	46.00	-13.07	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 + Aux Factor + Cable Loss.

Product name:	WiFi Media Streaming Module	Product model:	LS9X-AC11DBT-AC
Test by:	Mike	Test mode:	5G Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Humi: 55%

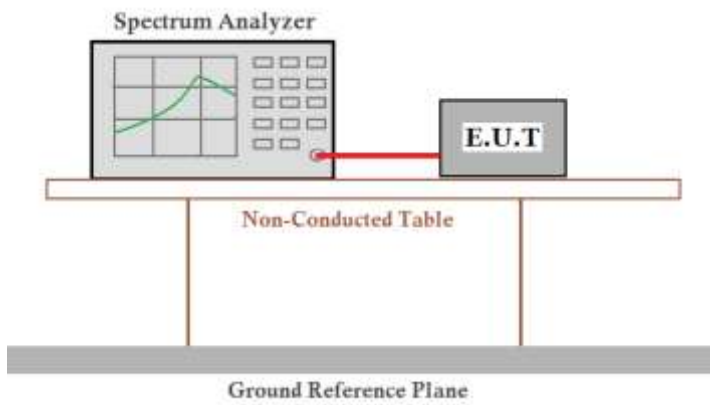


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.166	53.29	-0.68	0.01	10.77	63.39	65.16	-1.77	QP
2	0.166	38.61	-0.68	0.01	10.77	48.71	55.16	-6.45	Average
3	0.190	49.60	-0.67	0.00	10.76	59.69	64.02	-4.33	QP
4	0.190	35.84	-0.67	0.00	10.76	45.93	54.02	-8.09	Average
5	0.214	48.67	-0.67	0.00	10.76	58.76	63.05	-4.29	QP
6	0.214	33.66	-0.67	0.00	10.76	43.75	53.05	-9.30	Average
7	0.238	44.77	-0.67	0.00	10.75	54.85	62.17	-7.32	QP
8	0.238	31.28	-0.67	0.00	10.75	41.36	52.17	-10.81	Average
9	0.266	43.82	-0.67	0.01	10.75	53.91	61.25	-7.34	QP
10	0.282	24.94	-0.67	0.01	10.74	35.02	50.76	-15.74	Average
11	0.313	39.82	-0.66	0.00	10.74	49.90	59.88	-9.98	QP
12	0.546	22.22	-0.65	0.03	10.76	32.36	46.00	-13.64	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 + Aux Factor + Cable Loss.

6.3 Conducted Output Power

Test Requirement:	FCC Part15 E Section 15.407 (a) (1) (iv) & (a)(2) & (a) (3)
Limit:	Band 1: 24dBm Band 2: 24dBm or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. Band 3: 24dBm or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. Band 4: 30dBm
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

Band 1				
Mode	Test CH	Conducted Output power (dBm)	Limit (dBm)	Result
802.11a	Lowest	15.70	24.00	Pass
	Middle	15.52		
	Highest	15.47		
802.11n20	Lowest	14.66	24.00	Pass
	Middle	14.53		
	Highest	14.24		
802.11n40	Lowest	13.20	24.00	Pass
	Highest	12.39		
802.11ac20	Lowest	14.72	24.00	Pass
	Middle	14.66		
	Highest	14.51		
802.11ac40	Lowest	13.01	24.00	Pass
	Highest	12.29		
802.11ac80	Lowest	11.59	24.00	Pass

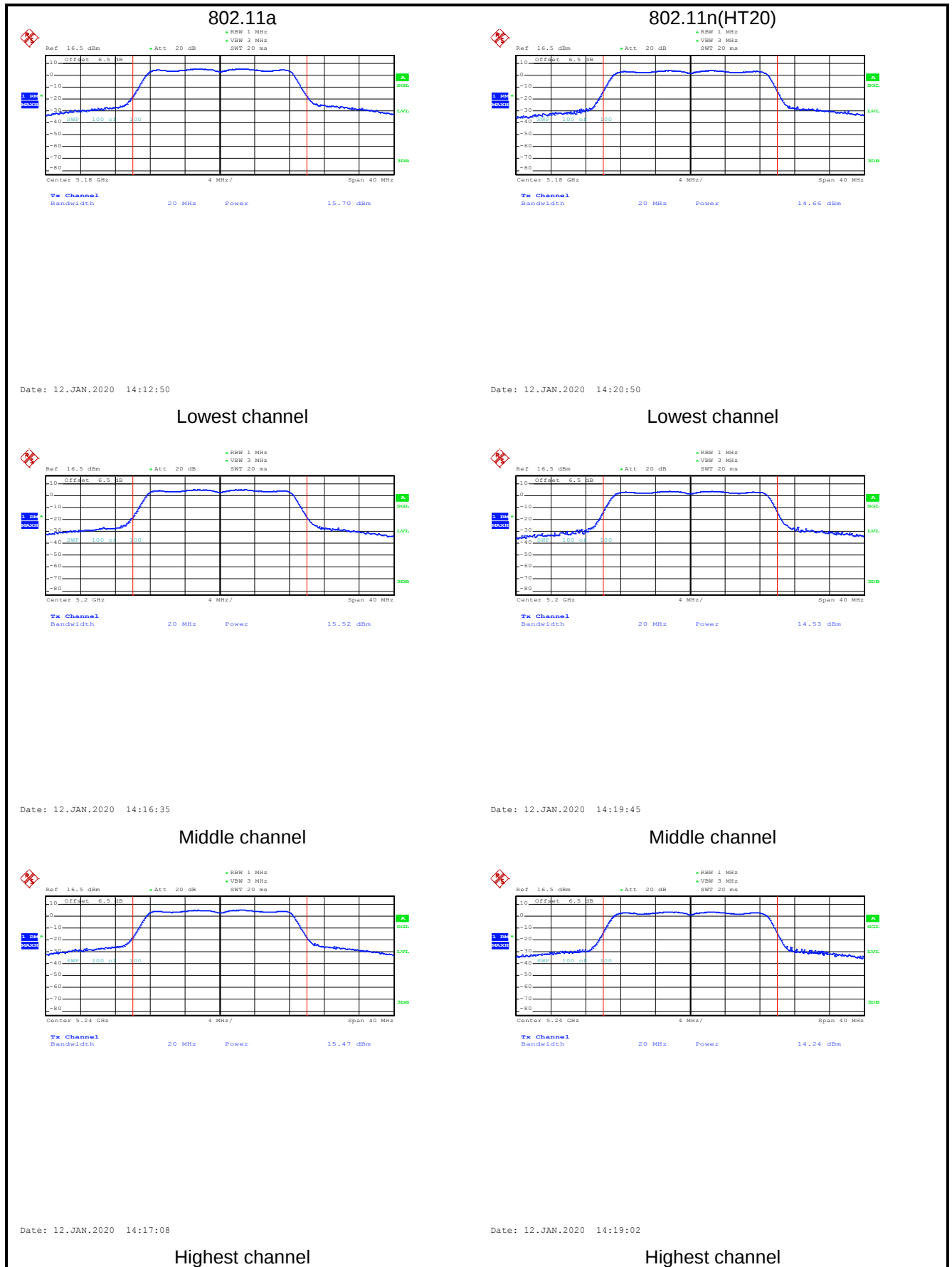
Band 2				
Mode	Test CH	Conducted Output power (dBm)	Limit (dBm)	Result
802.11a	Lowest	13.72	24.00	Pass
	Middle	14.18		
	Highest	13.94		
802.11n20	Lowest	12.80	24.00	Pass
	Middle	12.97		
	Highest	12.95		
802.11n40	Lowest	11.54	24.00	Pass
	Highest	11.72		
802.11ac20	Lowest	13.16	24.00	Pass
	Middle	12.91		
	Highest	13.22		
802.11ac40	Lowest	11.67	24.00	Pass
	Highest	11.66		
802.11ac80	Lowest	11.10	24.00	Pass

Band 3				
Mode	Test CH	Conducted Output power (dBm)	Limit (dBm)	Result
802.11a	Lowest	13.82	24.00	Pass
	Middle	13.78		
	Highest	13.50		
802.11n20	Lowest	12.54	24.00	Pass
	Middle	12.66		
	Highest	12.15		
802.11n40	Lowest	12.03	24.00	Pass
	Middle	11.83		
	Highest	11.47		
802.11ac20	Lowest	12.56	24.00	Pass
	Middle	12.57		
	Highest	12.15		
802.11ac40	Lowest	11.98	24.00	Pass
	Middle	11.68		
	Highest	11.35		
802.11ac80	Lowest	10.97	24.00	Pass
	Highest	10.74		

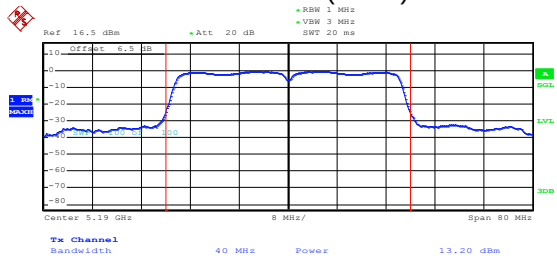
Band 4				
Mode	Test CH	Conducted Output power (dBm)	Limit (dBm)	Result
802.11a	Lowest	11.32	30.00	Pass
	Middle	11.39		
	Highest	11.05		
802.11n20	Lowest	10.29	30.00	Pass
	Middle	10.22		
	Highest	10.37		
802.11n40	Lowest	10.33	30.00	Pass
	Highest	10.36		
802.11ac20	Lowest	10.34	30.00	Pass
	Middle	10.51		
	Highest	10.31		
802.11ac40	Lowest	10.28	30.00	Pass
	Highest	10.31		
802.11ac80	Lowest	9.30	30.00	Pass

Test plot as follows:

Band 1:

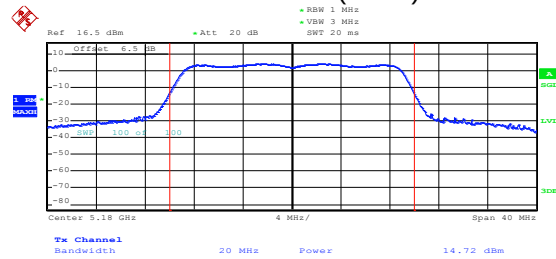


802.11n(HT40)



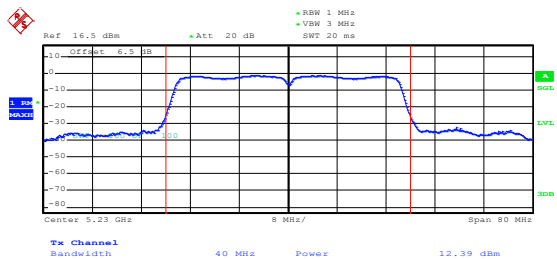
Date: 12.JAN.2020 14:23:01

802.11ac(HT20)



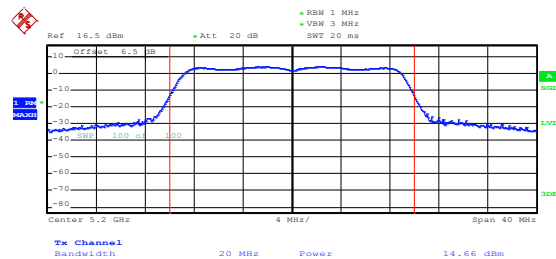
Date: 12.JAN.2020 14:28:28

Lowest channel



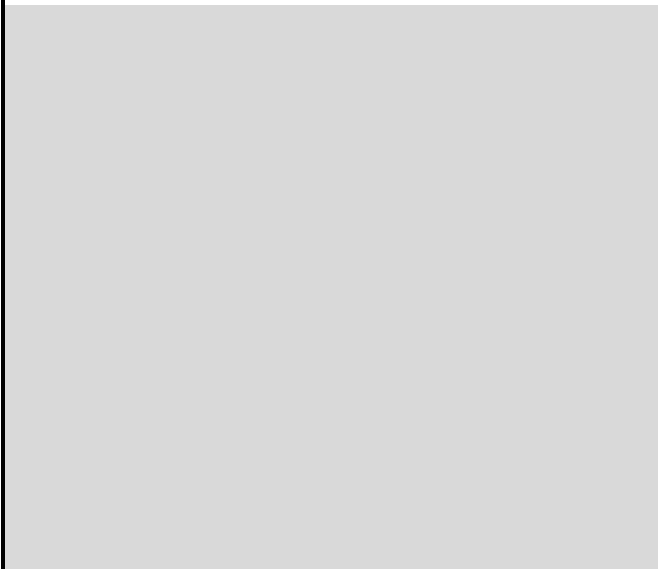
Date: 12.JAN.2020 14:23:57

Lowest channel

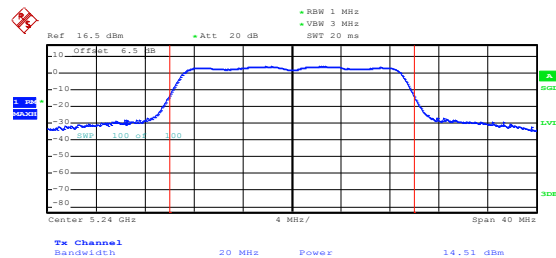


Date: 12.JAN.2020 14:29:00

Highest channel

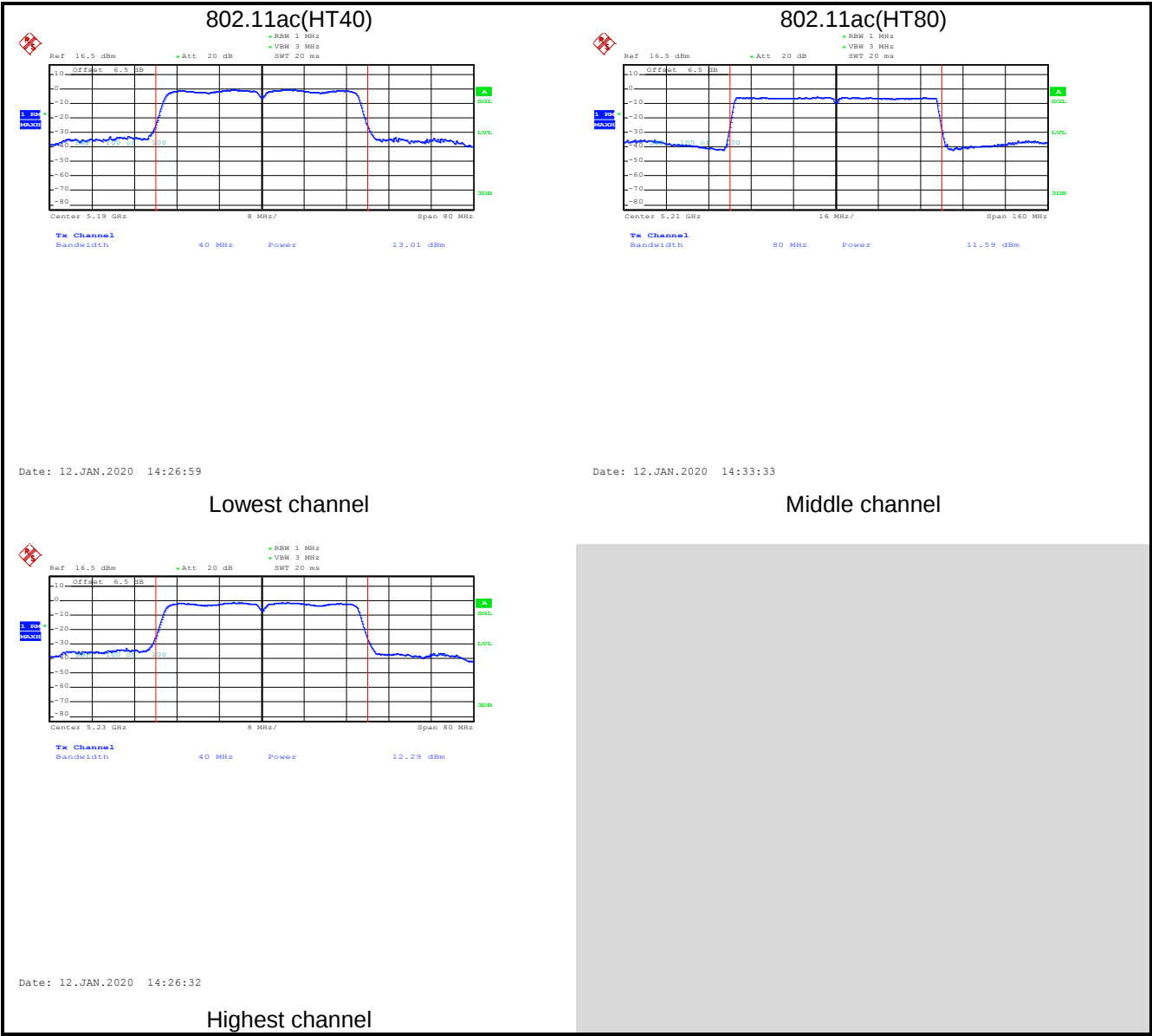


Middle channel

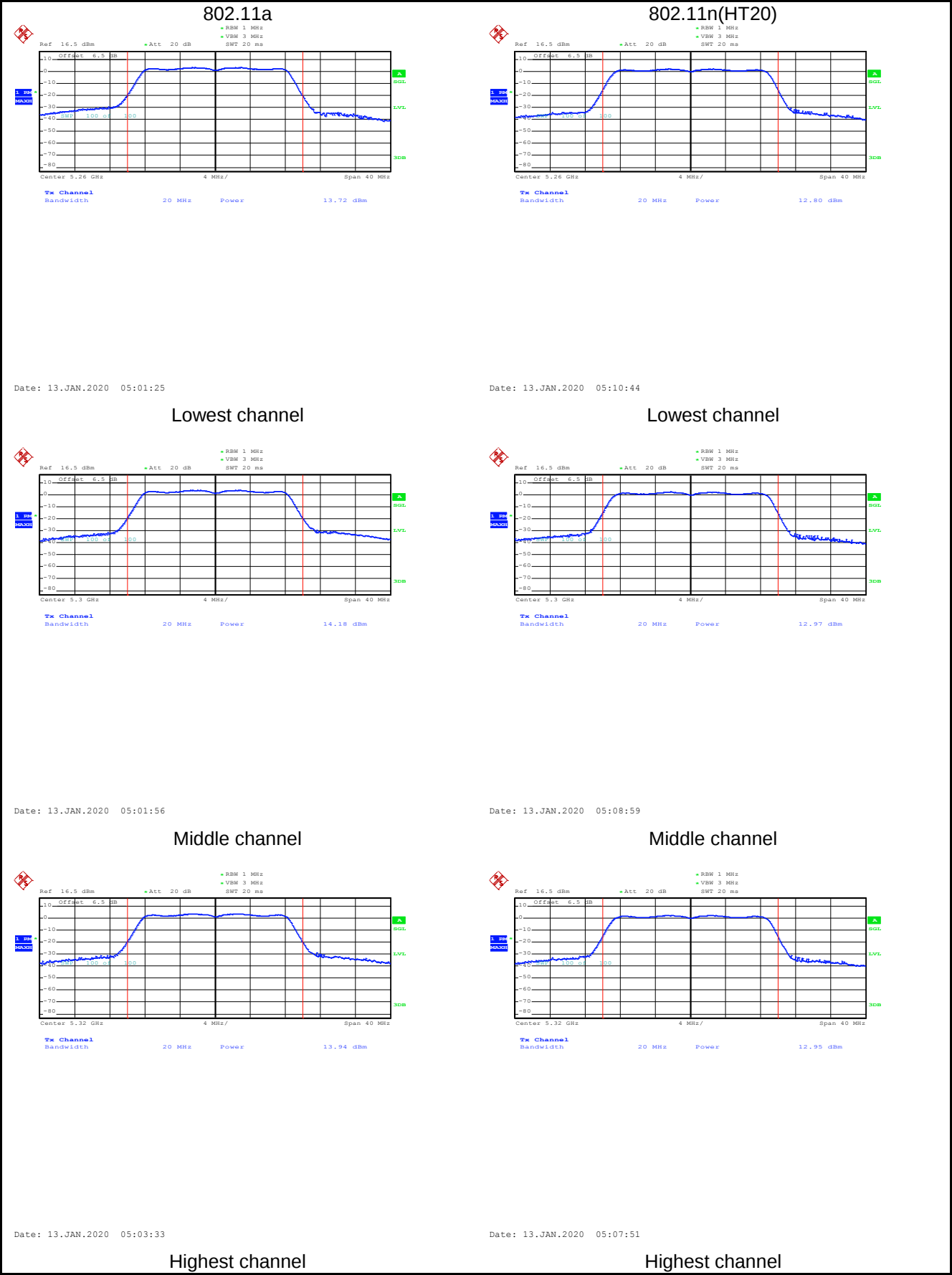


Date: 12.JAN.2020 14:29:45

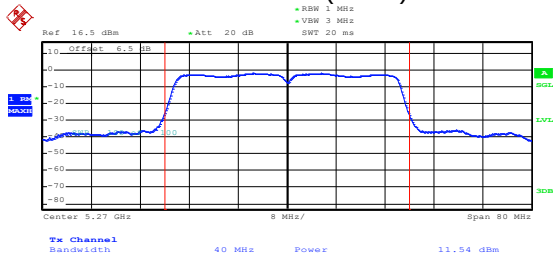
Highest channel



Band 2:

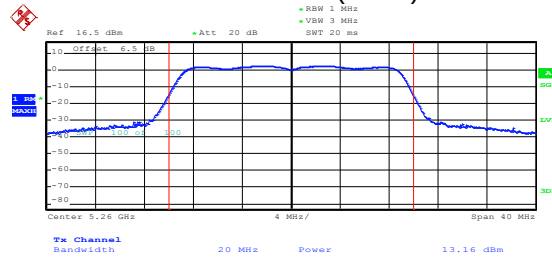


802.11n(HT40)



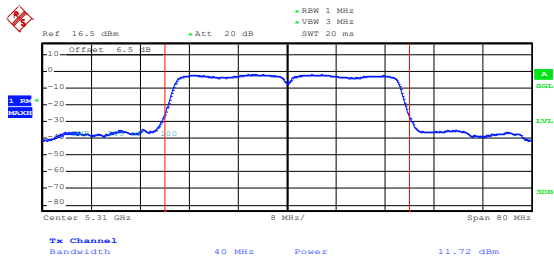
Date: 13.JAN.2020 05:12:19

802.11ac(HT20)



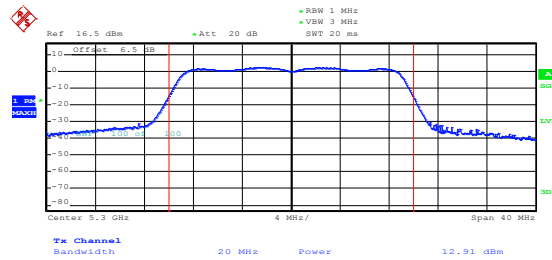
Date: 13.JAN.2020 05:11:05

Lowest channel



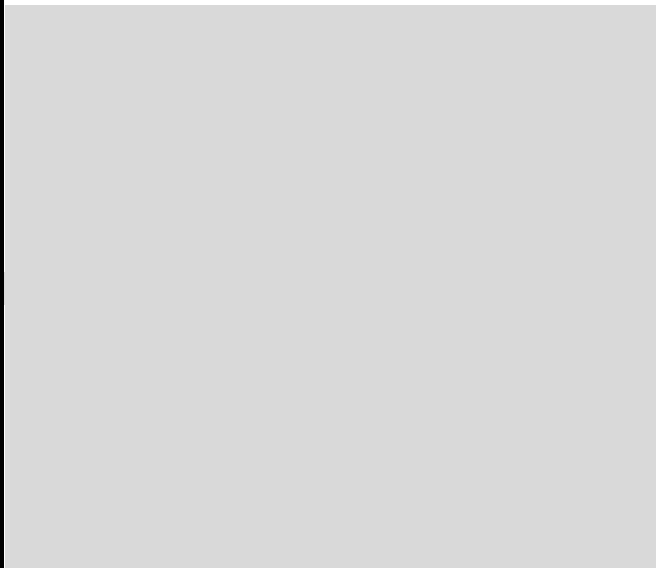
Date: 13.JAN.2020 05:13:47

Lowest channel

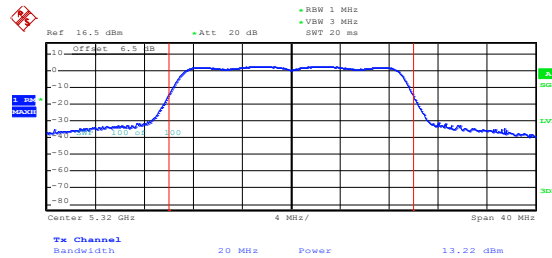


Date: 13.JAN.2020 05:09:33

Highest channel



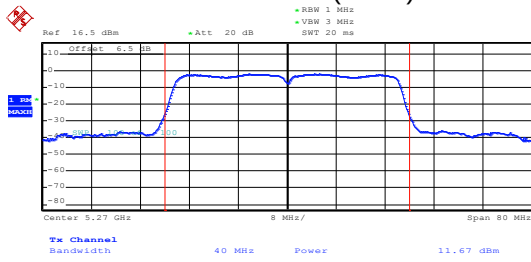
Middle channel



Date: 13.JAN.2020 05:10:08

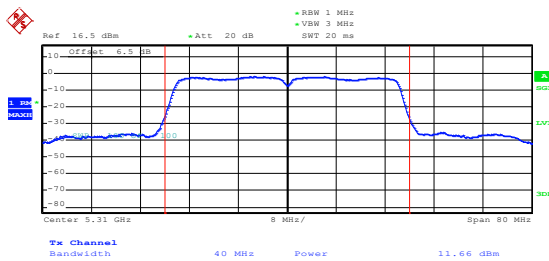
Highest channel

802.11ac(HT40)



Date: 13.JAN.2020 05:13:10

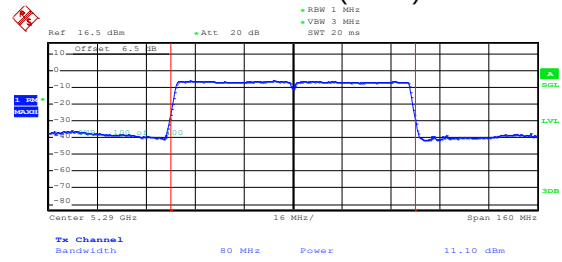
Lowest channel



Date: 13.JAN.2020 05:14:05

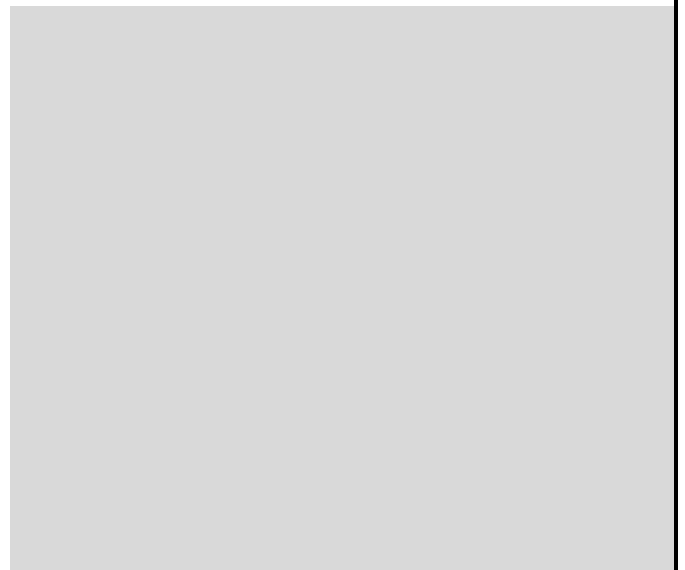
Highest channel

802.11ac(HT80)



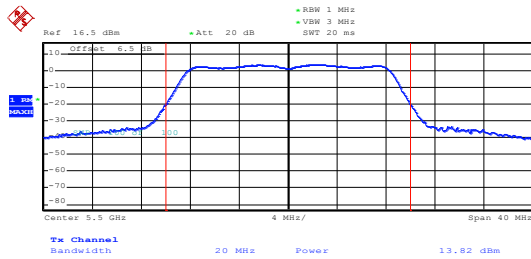
Date: 13.JAN.2020 05:15:41

Middle channel



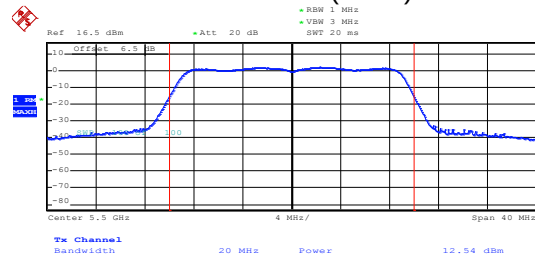
Band 3:

802.11a



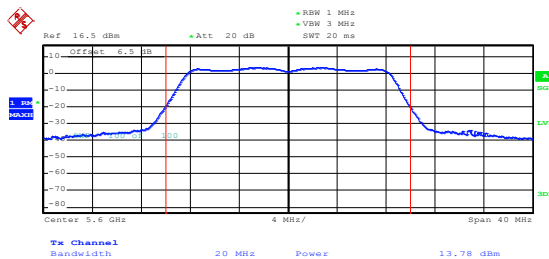
Date: 13.JAN.2020 04:11:32

802.11n(HT20)



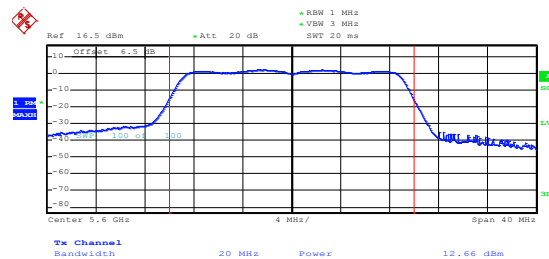
Date: 13.JAN.2020 04:16:45

Lowest channel



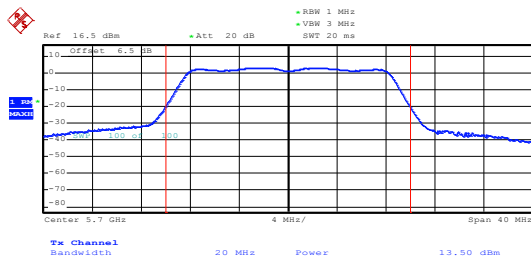
Date: 13.JAN.2020 04:12:37

Lowest channel



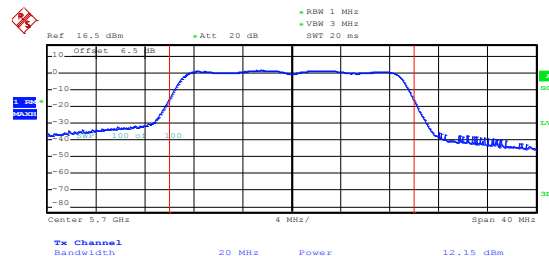
Date: 13.JAN.2020 04:16:19

Middle channel



Date: 13.JAN.2020 04:13:09

Middle channel

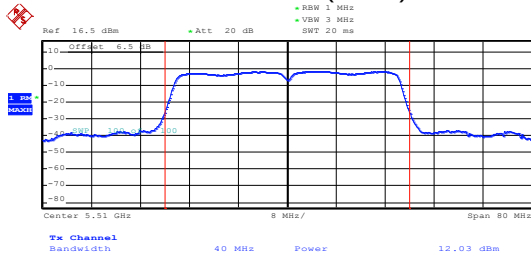


Date: 13.JAN.2020 04:15:50

Highest channel

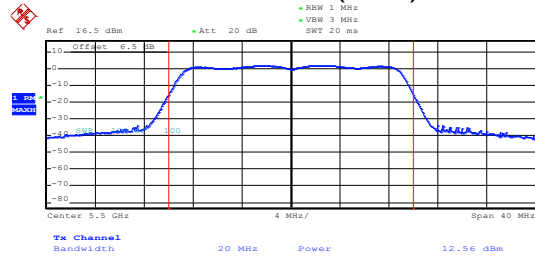
Highest channel

802.11n(HT40)



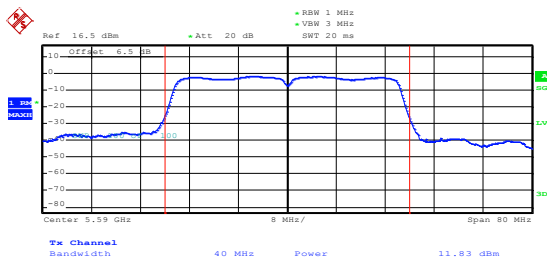
Date: 13.JAN.2020 04:26:45

802.11ac(HT20)



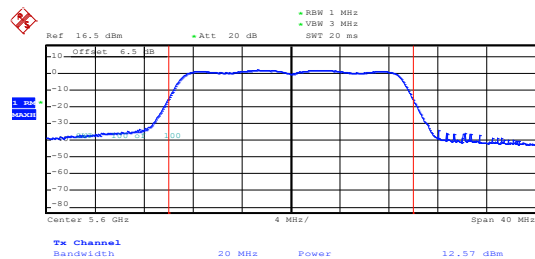
Date: 13.JAN.2020 04:17:31

Lowest channel



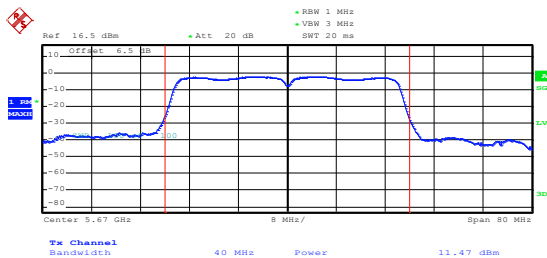
Date: 13.JAN.2020 04:26:15

Lowest channel



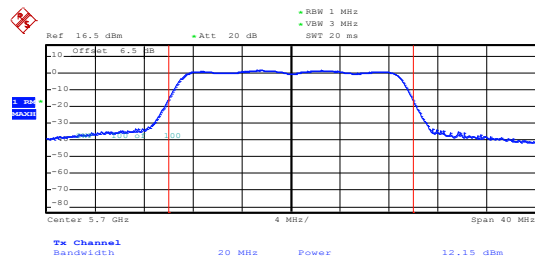
Date: 13.JAN.2020 04:18:14

Middle channel



Date: 13.JAN.2020 04:25:37

Middle channel

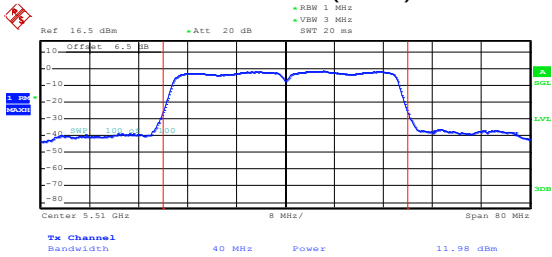


Date: 13.JAN.2020 04:18:48

Highest channel

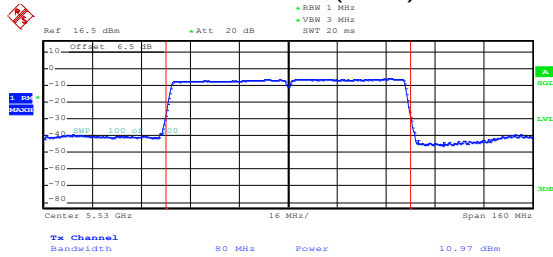
Highest channel

802.11ac(HT40)



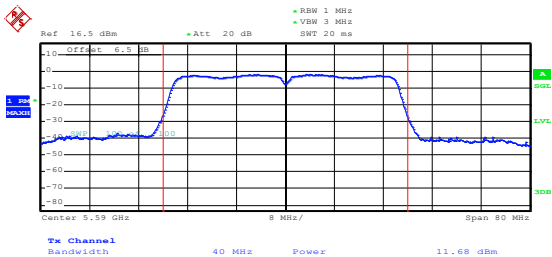
Date: 13.JAN.2020 04:23:46

802.11ac(HT80)



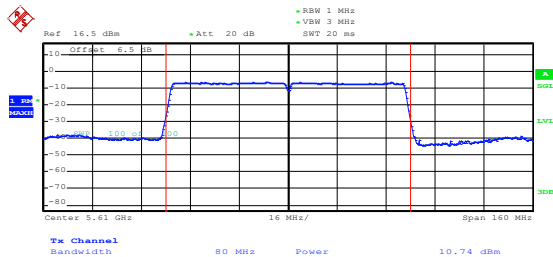
Date: 13.JAN.2020 04:29:04

Lowest channel



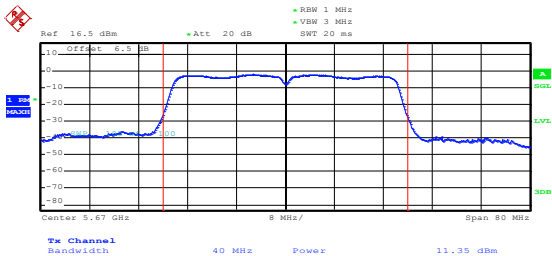
Date: 13.JAN.2020 04:24:34

Lowest channel



Date: 13.JAN.2020 04:29:42

Middle channel



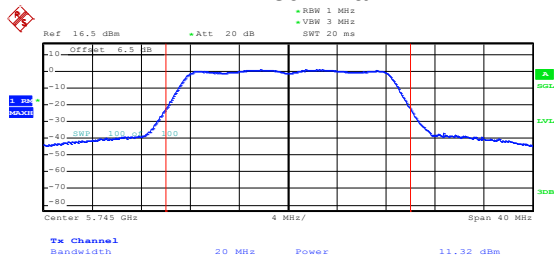
Date: 13.JAN.2020 04:25:08

Highest channel

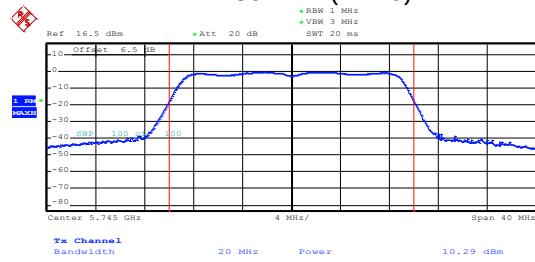
Highest channel

Band 4:

802.11a



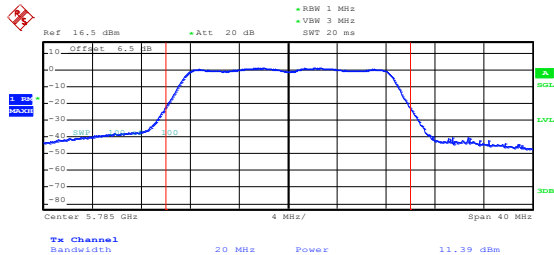
802.11n(HT20)



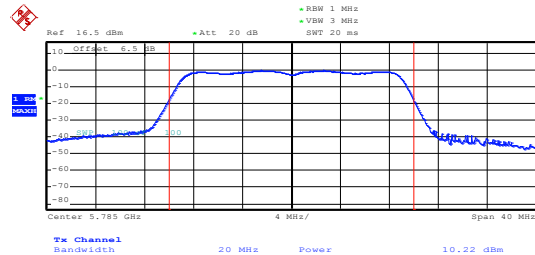
Date: 13.JAN.2020 10:40:28

Date: 14.JAN.2020 07:29:05

Lowest channel



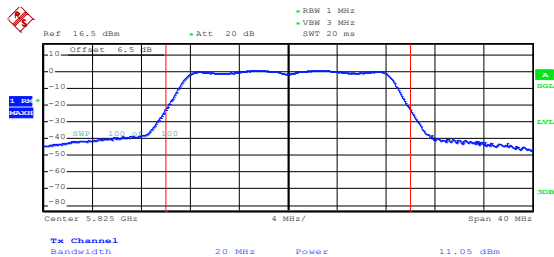
Lowest channel



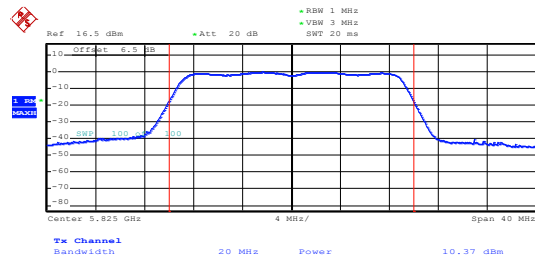
Date: 13.JAN.2020 10:41:09

Date: 14.JAN.2020 07:30:31

Middle channel



Middle channel

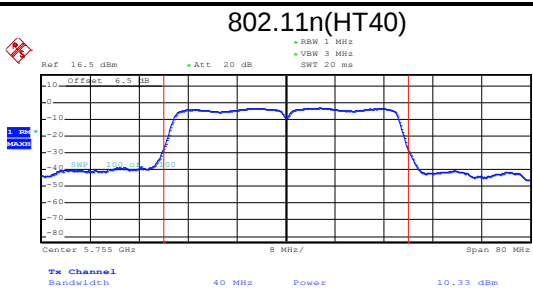


Date: 13.JAN.2020 10:42:26

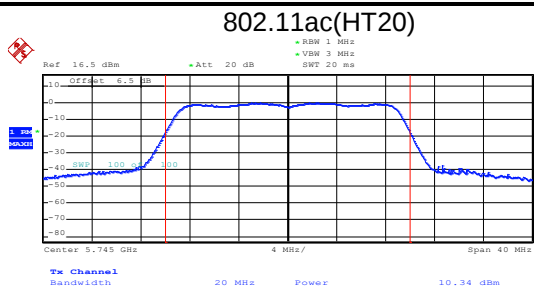
Date: 14.JAN.2020 07:31:22

Highest channel

Highest channel

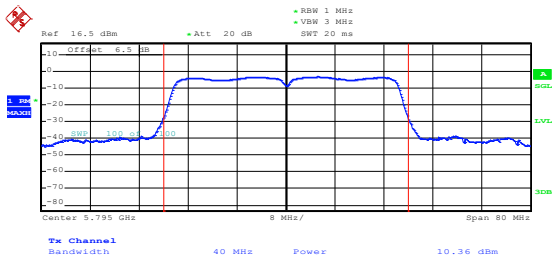


Date: 14.JAN.2020 07:32:58



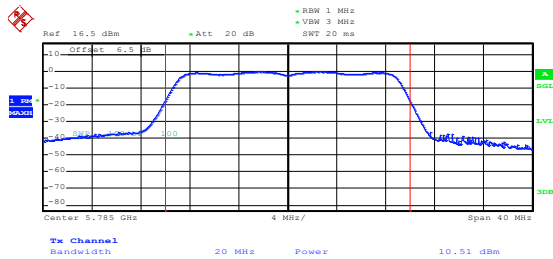
Date: 14.JAN.2020 07:29:35

Lowest channel



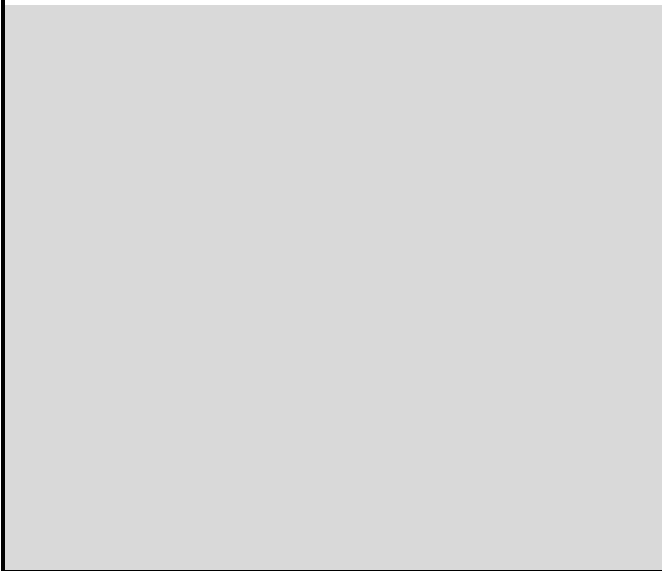
Date: 14.JAN.2020 07:34:00

Lowest channel

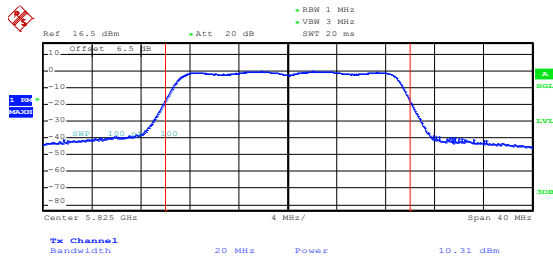


Date: 14.JAN.2020 07:30:47

Highest channel



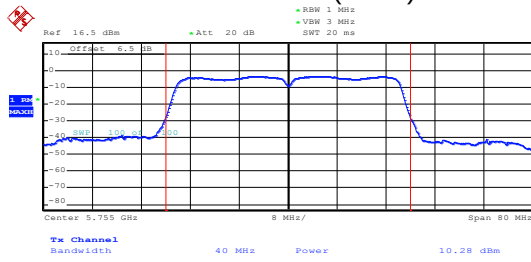
Middle channel



Date: 14.JAN.2020 07:31:44

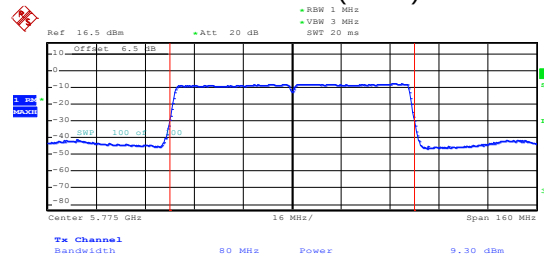
Highest channel

802.11ac(HT40)



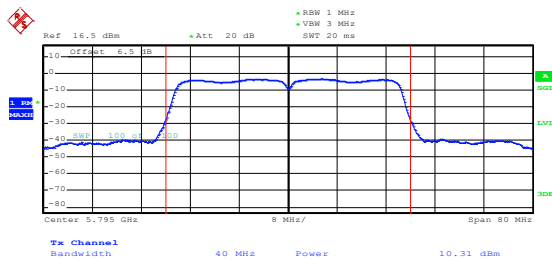
Date: 14.JAN.2020 07:33:16

802.11ac(HT80)



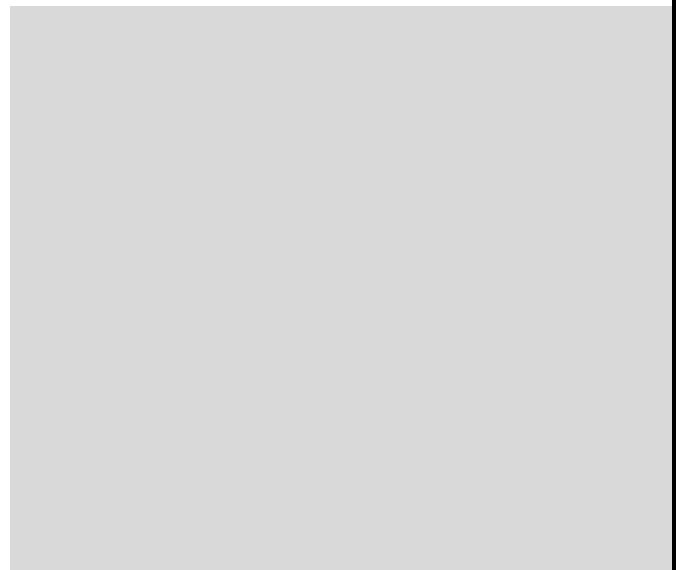
Date: 14.JAN.2020 07:35:25

Lowest channel



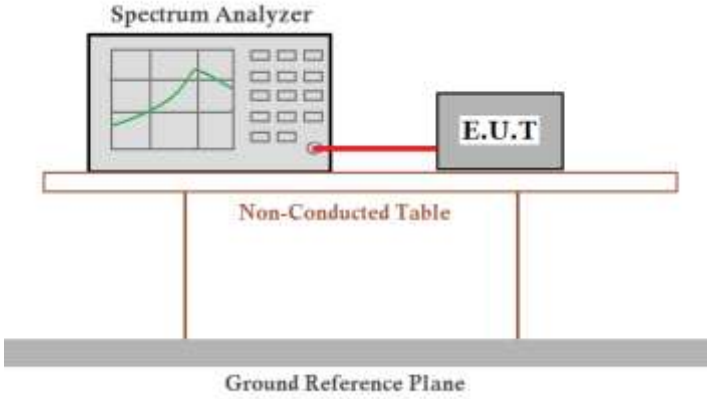
Date: 14.JAN.2020 07:34:24

Middle channel



Highest channel

6.4 Occupancy Bandwidth

Test Requirement:	FCC Part15 E Section 15.407 (a) (5) and Section 15.407 (e)
Limit:	Band 1/2/3/4: N/A (26dB Emission Bandwidth and 99% Occupancy Bandwidth) Band 4: >500kHz (6dB Bandwidth)
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

Band 1:

Test Channel	26dB Emission Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	20.48	21.36	42.08	21.36	42.56	---	N/A	PASS
Middle	20.24	21.84	---	20.56	---	84.48		
Highest	20.48	20.56	42.40	21.04	42.72	---		
Test Channel	99% Occupancy Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	17.20	18.00	36.96	17.84	36.96	---	N/A	PASS
Middle	17.04	17.84	---	17.84	---	76.80		
Highest	17.04	17.84	36.96	17.84	37.12	---		

Band 2:

Test Channel	26dB Emission Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	20.16	20.48	42.40	20.32	42.56	---	N/A	PASS
Middle	20.16	20.40	---	20.32	---	83.52		
Highest	20.08	20.48	42.24	20.56	42.40	---		
Test Channel	99% Occupy Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	16.88	17.84	36.80	17.84	36.80	---	N/A	PASS
Middle	16.96	17.84	---	17.76	---	77.12		
Highest	17.04	17.84	36.80	17.76	36.80	---		

Band 3:

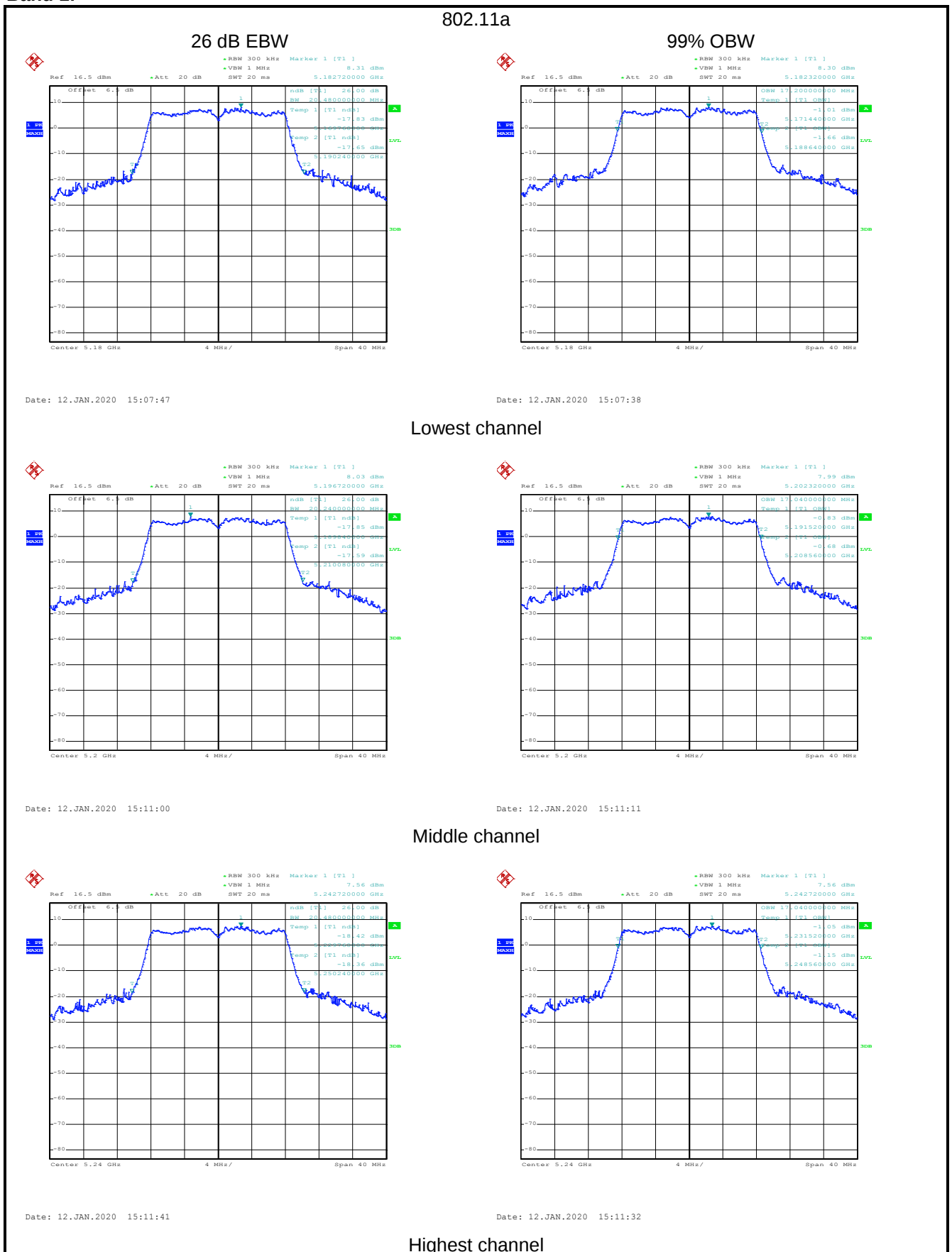
Test Channel	26dB Emission Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	20.24	20.40	42.08	20.56	42.56	83.52	N/A	PASS
Middle	20.32	20.32	42.24	20.56	42.56	---		
Highest	20.16	20.64	42.08	20.48	42.24	83.84		
Test Channel	99% Occupy Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	16.96	17.84	36.80	17.84	36.96	76.48	N/A	PASS
Middle	16.96	17.76	36.80	17.76	36.80	---		
Highest	16.88	17.76	36.80	17.84	36.80	76.80		

Band 4:

Test Channel	26dB Emission Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	20.16	20.32	42.40	20.56	42.08	---	N/A	PASS
Middle	20.16	20.56	---	20.56	---	83.52		
Highest	20.16	20.48	42.24	20.48	42.08	---		
Test Channel	99% Occupy Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	16.88	17.84	36.96	17.76	36.64	---	N/A	PASS
Middle	16.88	17.76	---	17.76	---	77.12		
Highest	16.88	17.84	36.80	17.76	36.64	---		
Test Channel	6dB Emission Bandwidth (MHz)						Limit	Result
	802.11a	802.11n (HT20)	802.11n (HT40)	802.11ac (HT20)	802.11ac (HT40)	802.11ac (HT80)		
Lowest	16.48	17.76	36.00	17.68	36.00	---	>500kHz	PASS
Middle	16.48	17.76	---	17.76	---	77.12		
Highest	16.48	17.76	35.84	17.60	36.00	---		

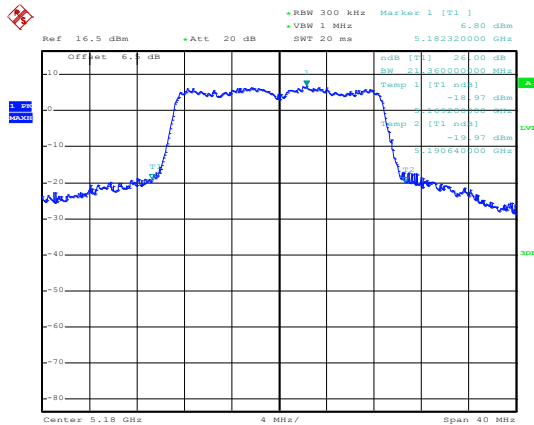
Test plot as follows:

Band 1:



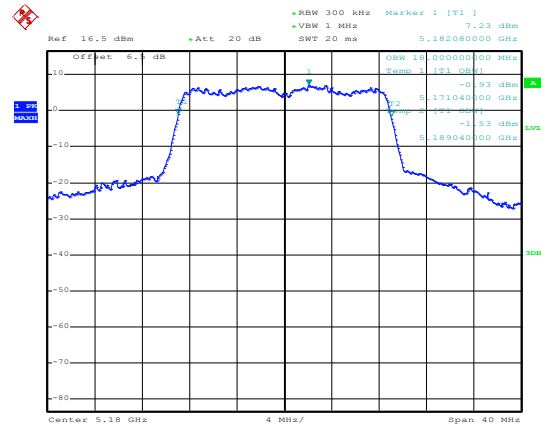
802.11n(HT20)

26 dB EBW



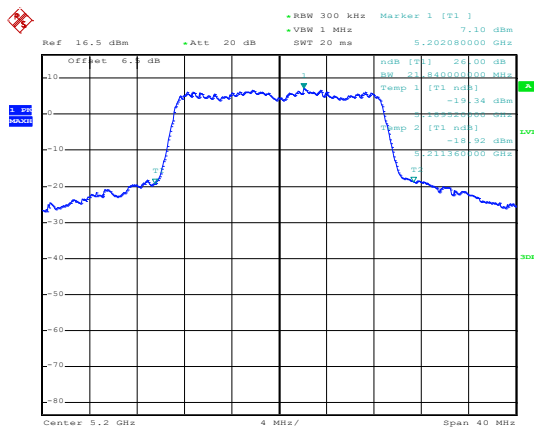
Date: 12.JAN.2020 14:59:45

99% OBW

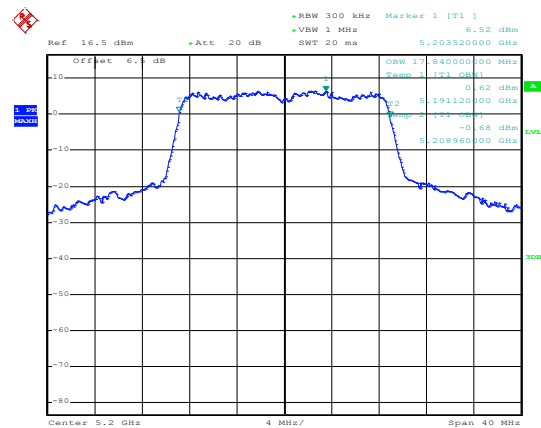


Date: 12.JAN.2020 14:59:33

Lowest channel

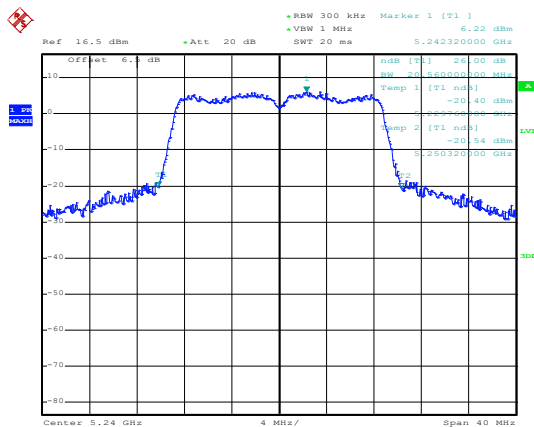


Date: 12.JAN.2020 15:02:24

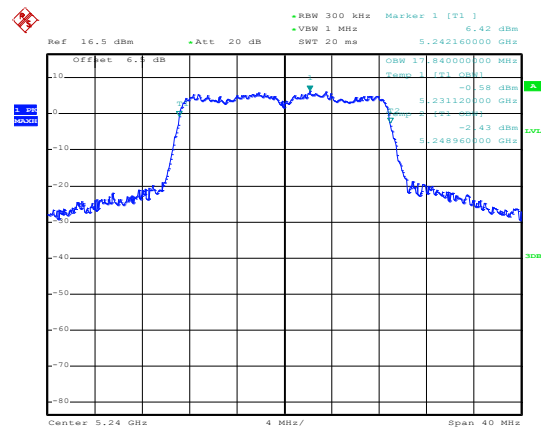


Date: 12.JAN.2020 15:03:08

Middle channel



Date: 12.JAN.2020 14:51:41

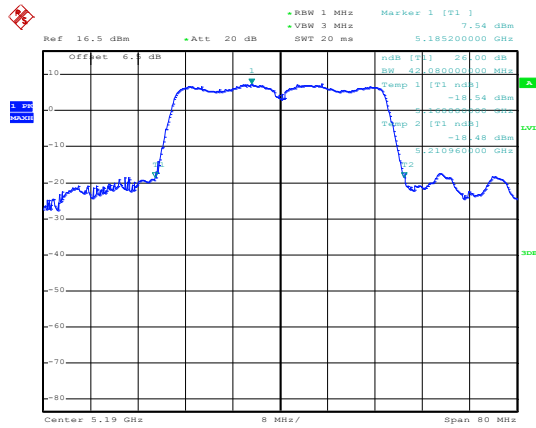


Date: 12.JAN.2020 14:51:53

Highest channel

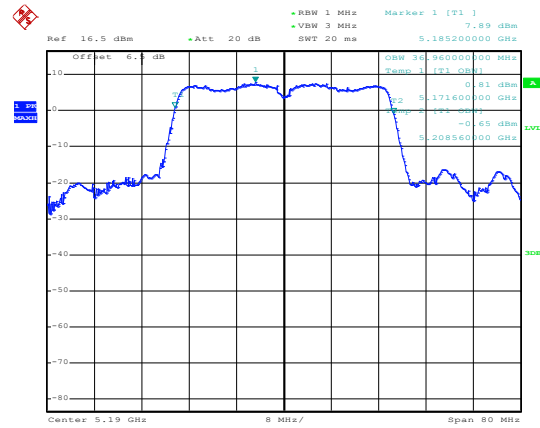
802.11n(HT40)

26 dB EBW



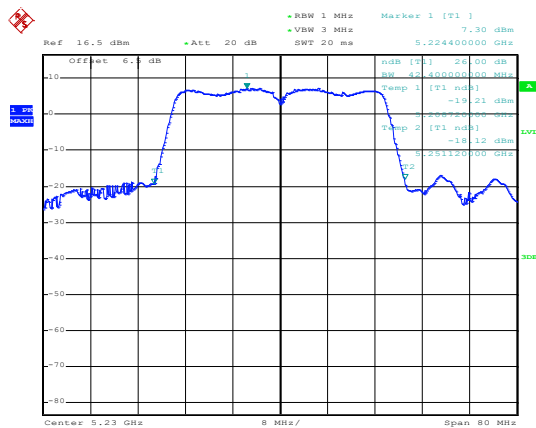
Date: 12.JAN.2020 15:12:58

99% OBW

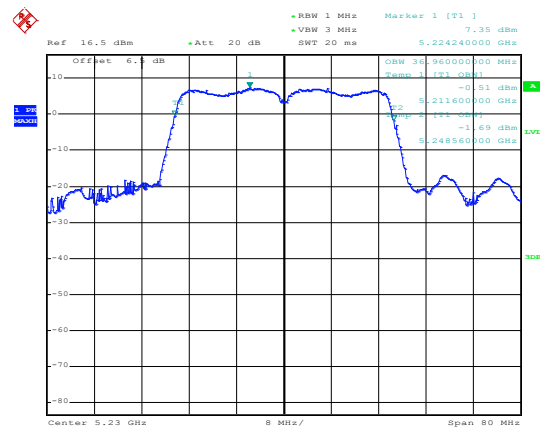


Date: 12.JAN.2020 15:13:10

Lowest channel



Date: 12.JAN.2020 15:13:47

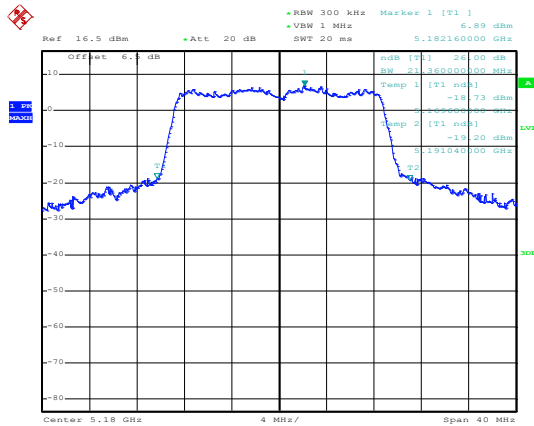


Date: 12.JAN.2020 15:13:32

Highest channel

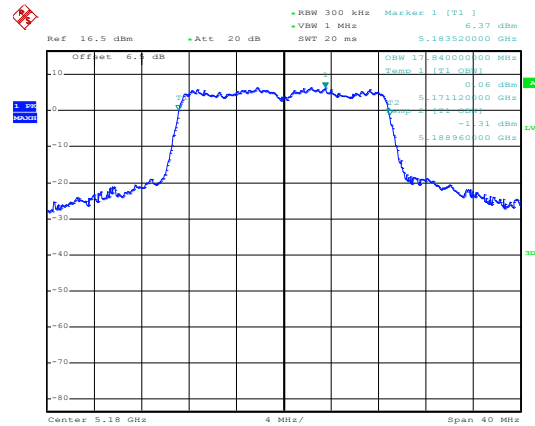
802.11ac(HT20)

26 dB EBW



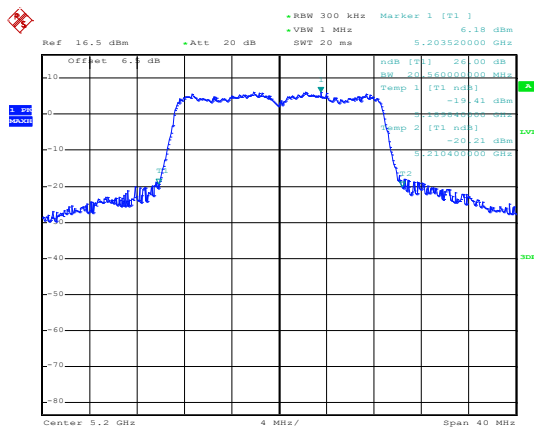
Date: 12.JAN.2020 14:50:11

99% OBW

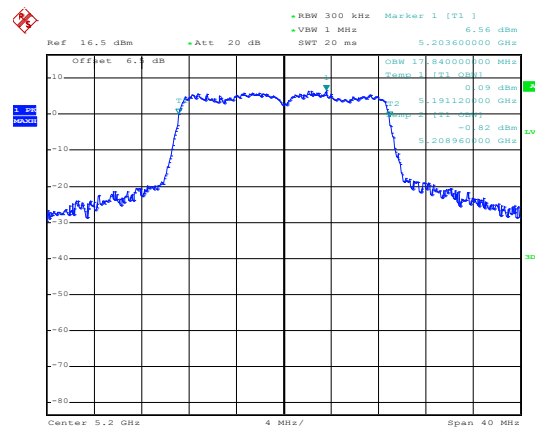


Date: 12.JAN.2020 14:41:23

Lowest channel

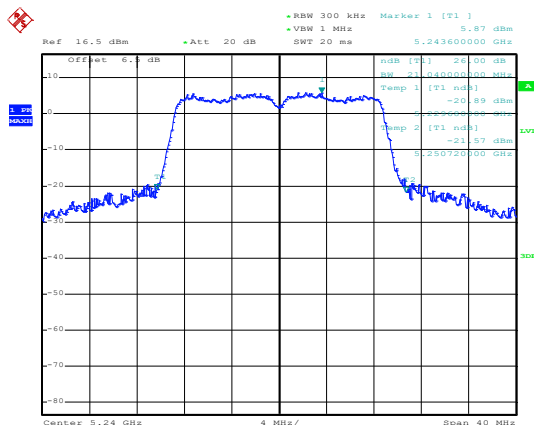


Date: 12.JAN.2020 14:50:36

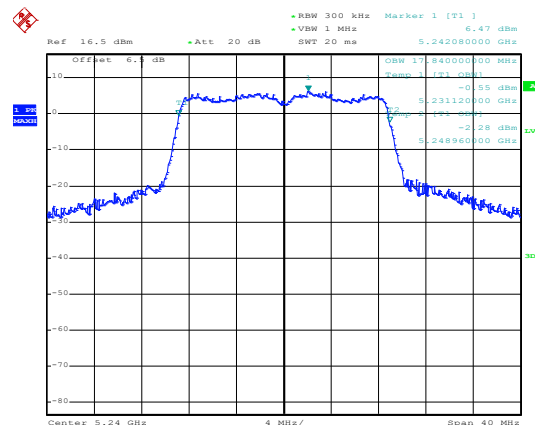


Date: 12.JAN.2020 14:41:57

Middle channel



Date: 12.JAN.2020 14:50:59

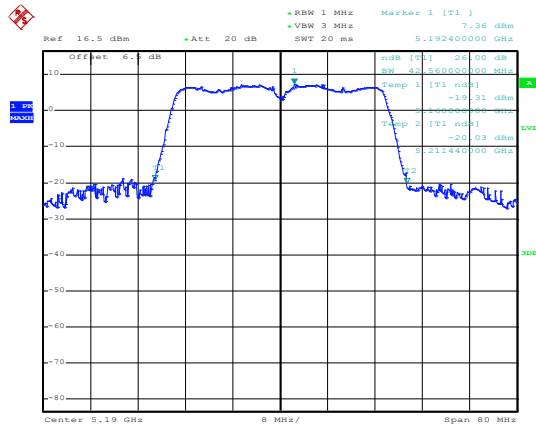


Date: 12.JAN.2020 14:42:21

Highest channel

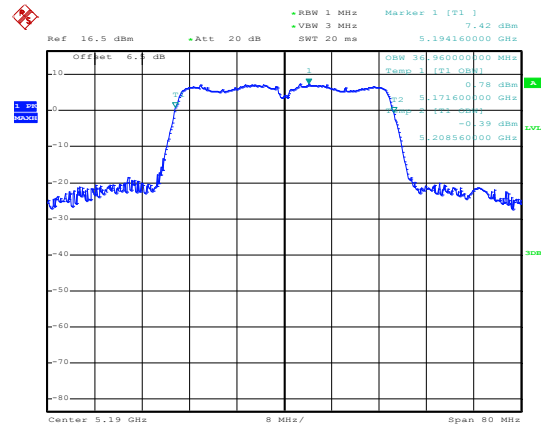
802.11ac(HT40)

26 dB EBW



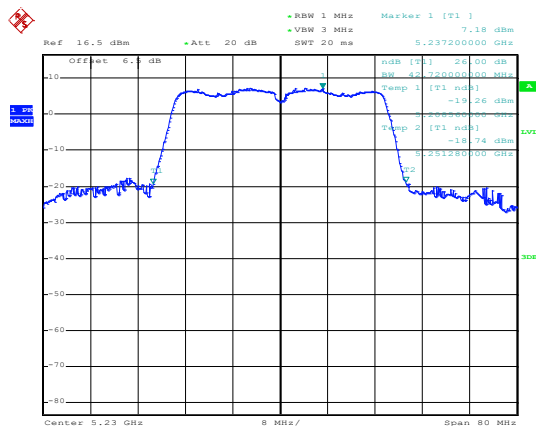
Date: 12.JAN.2020 14:45:40

99% OBW

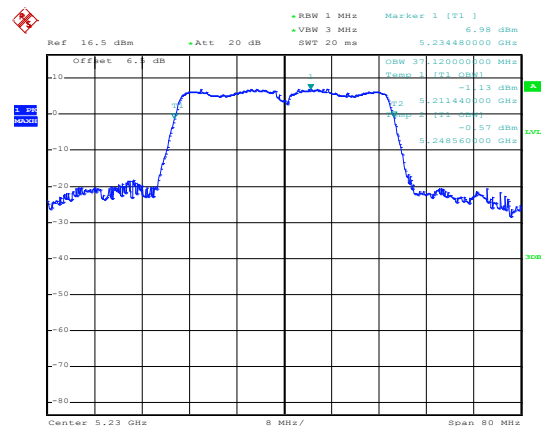


Date: 12.JAN.2020 14:45:17

Lowest channel



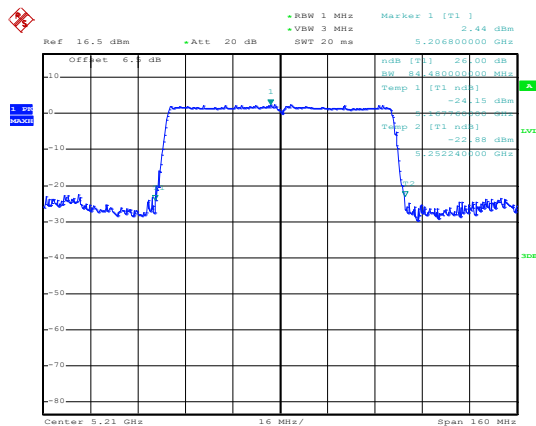
Date: 12.JAN.2020 14:46:30



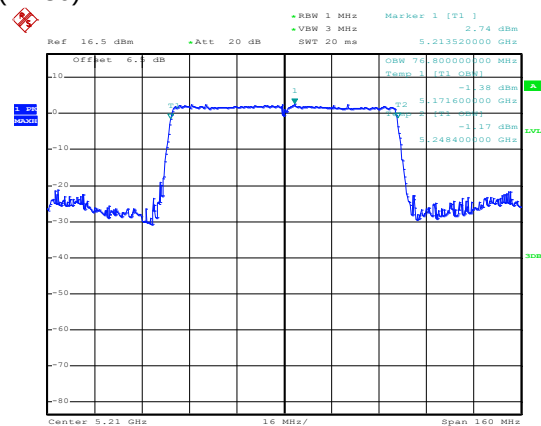
Date: 12.JAN.2020 14:47:00

Highest channel

802.11ac(HT80)



Date: 12.JAN.2020 14:49:13



Date: 12.JAN.2020 14:34:18

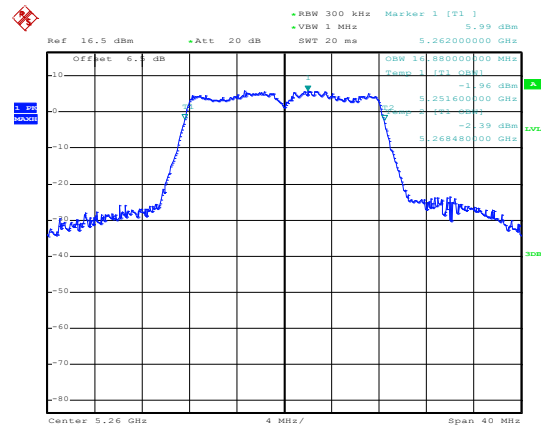
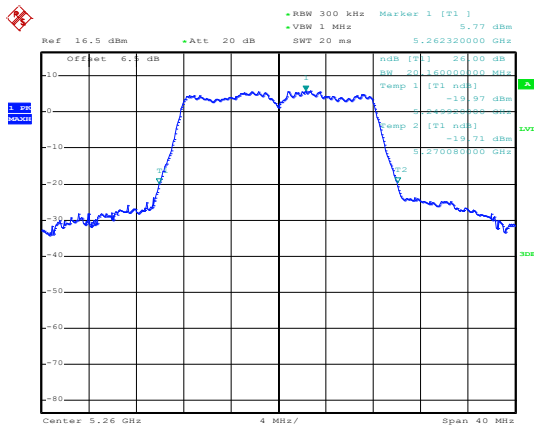
Middle channel

Band 2:

802.11a

26 dB EBW

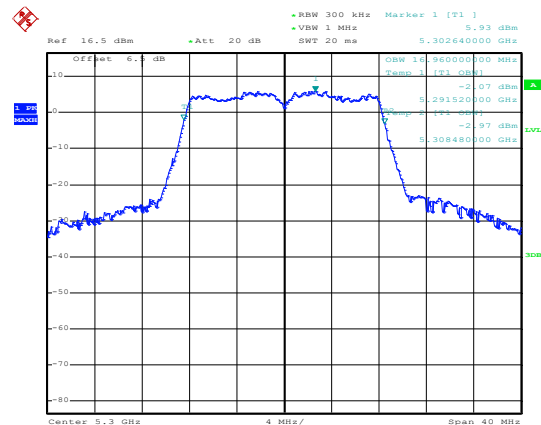
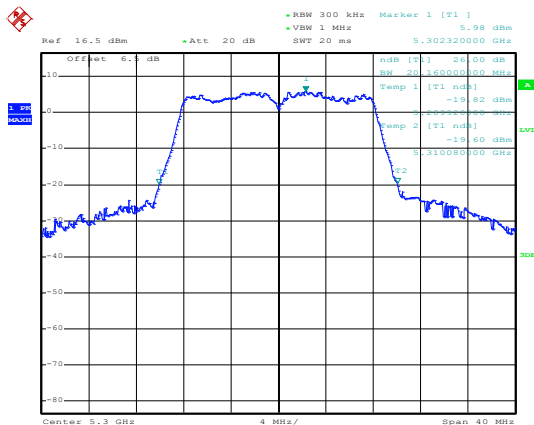
99% OBW



Date: 13.JAN.2020 05:24:22

Date: 13.JAN.2020 05:24:33

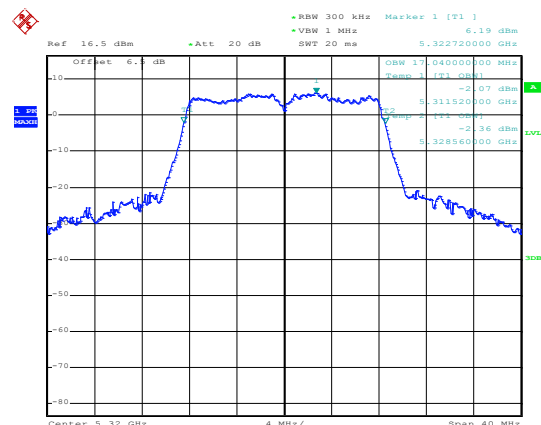
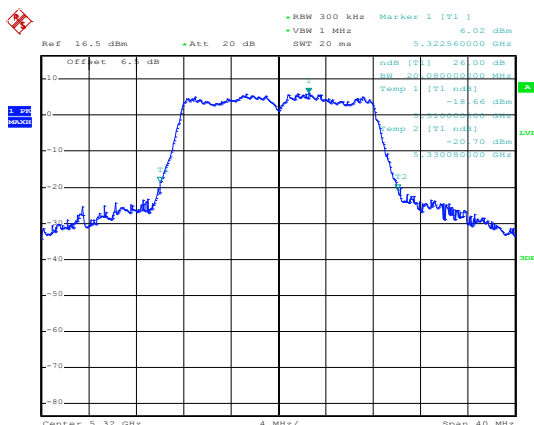
Lowest channel



Date: 13.JAN.2020 05:25:02

Date: 13.JAN.2020 05:24:52

Middle channel



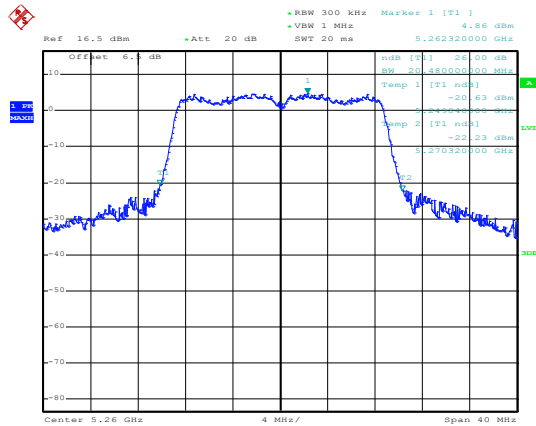
Date: 13.JAN.2020 05:25:20

Date: 13.JAN.2020 05:25:31

Highest channel

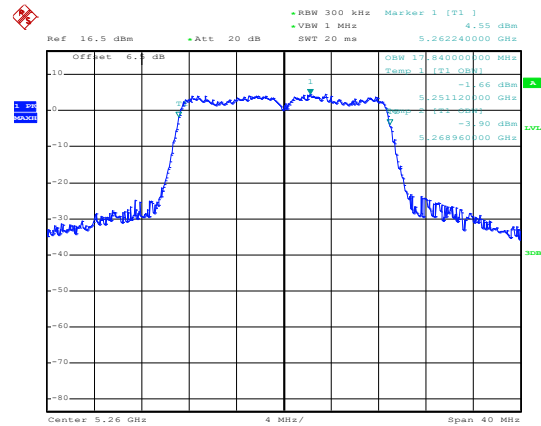
802.11n(HT20)

26 dB EBW



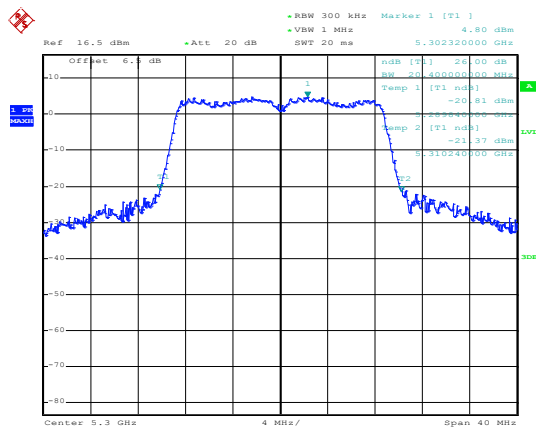
Date: 13.JAN.2020 05:28:22

99% OBW

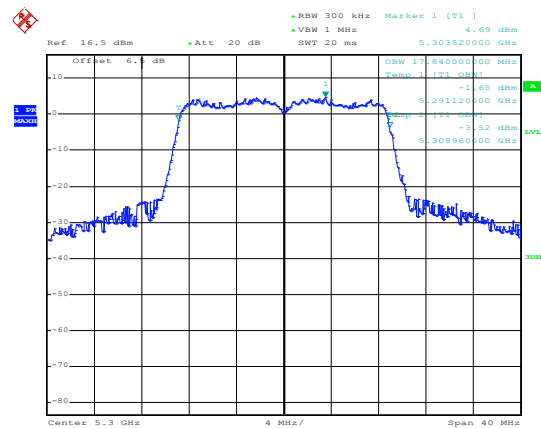


Date: 13.JAN.2020 05:28:11

Lowest channel

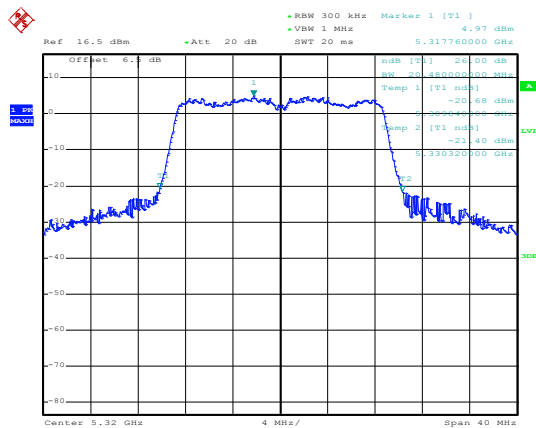


Date: 13.JAN.2020 05:27:09

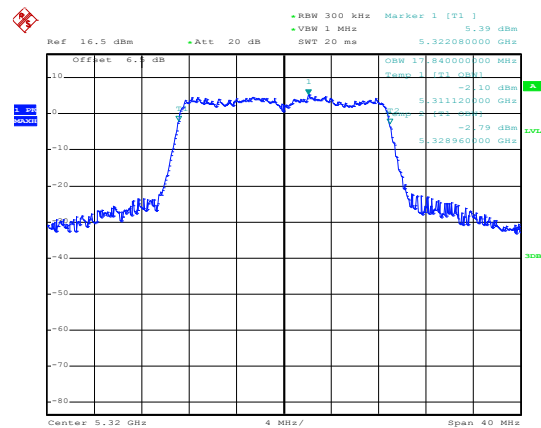


Date: 13.JAN.2020 05:27:00

Middle channel



Date: 13.JAN.2020 05:26:11

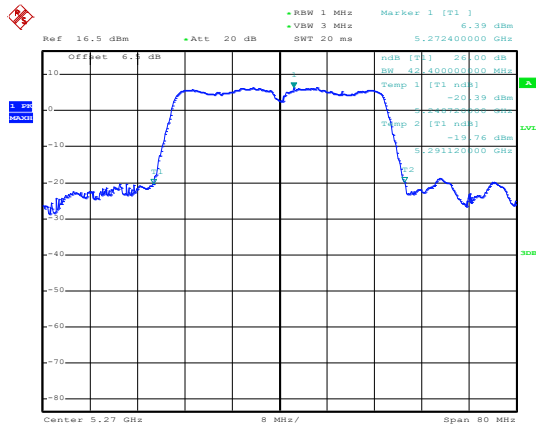


Date: 13.JAN.2020 05:26:01

Highest channel

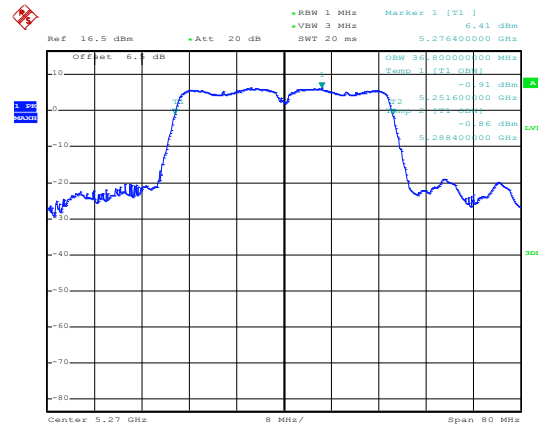
802.11n(HT40)

26 dB EBW



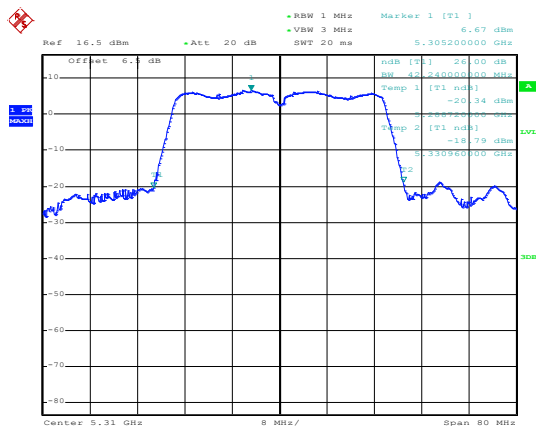
Date: 13.JAN.2020 05:33:21

99% OBW

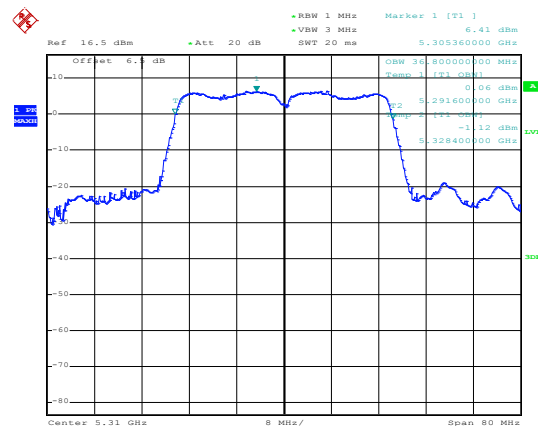


Date: 13.JAN.2020 05:33:35

Lowest channel



Date: 13.JAN.2020 05:34:42

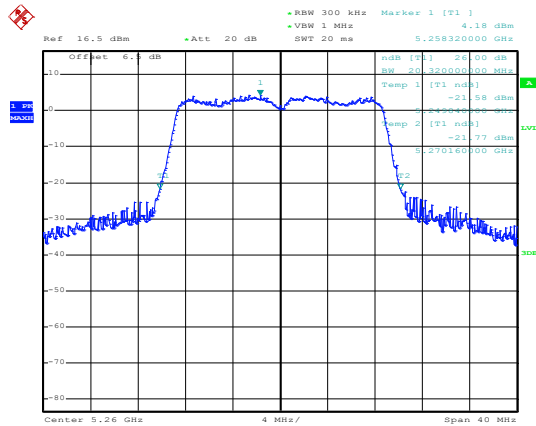


Date: 13.JAN.2020 05:34:52

Highest channel

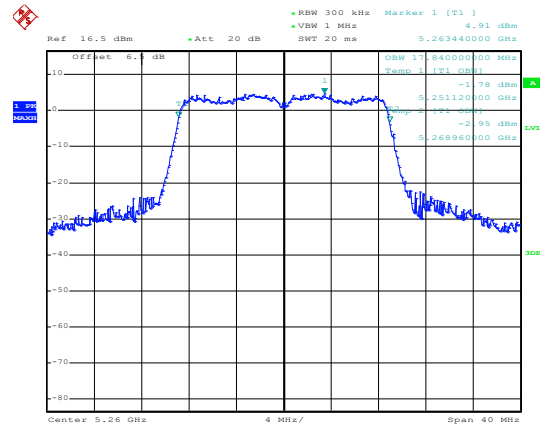
802.11ac(HT20)

26 dB EBW



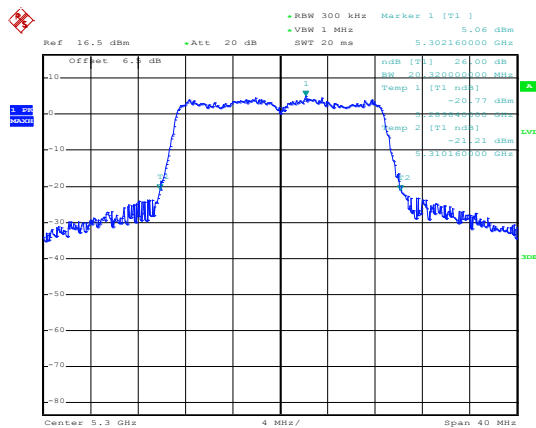
Date: 13.JAN.2020 05:28:36

99% OBW

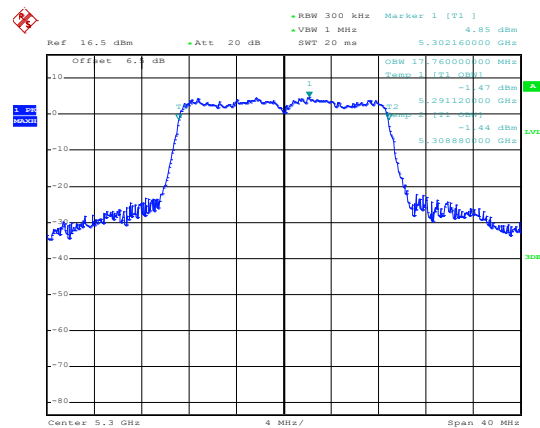


Date: 13.JAN.2020 05:28:43

Lowest channel

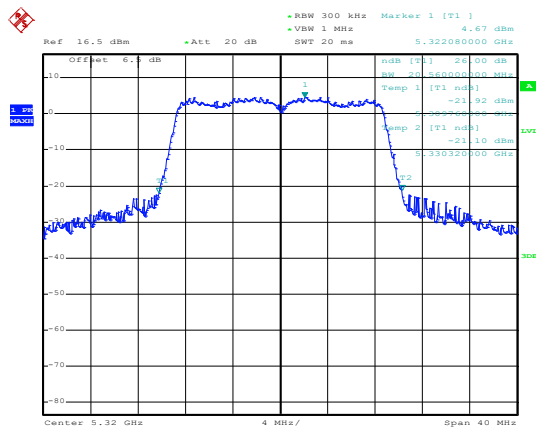


Date: 13.JAN.2020 05:27:35

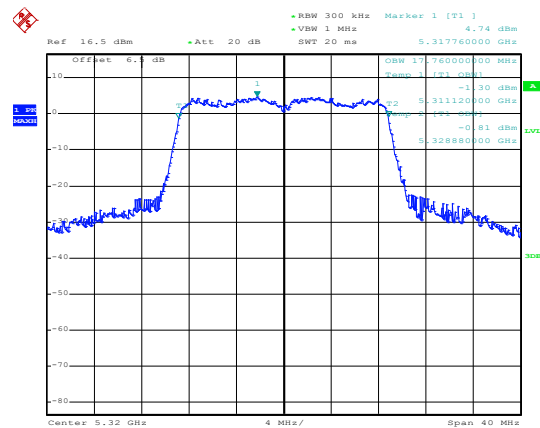


Date: 13.JAN.2020 05:27:44

Middle channel



Date: 13.JAN.2020 05:26:27

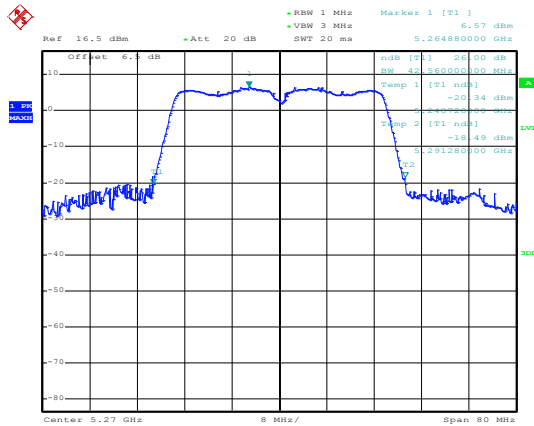


Date: 13.JAN.2020 05:26:36

Highest channel

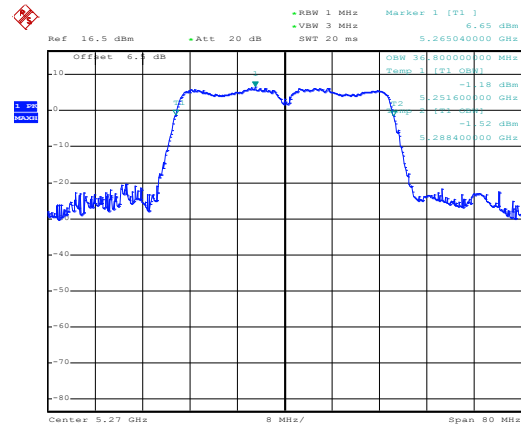
802.11ac(HT40)

26 dB EBW



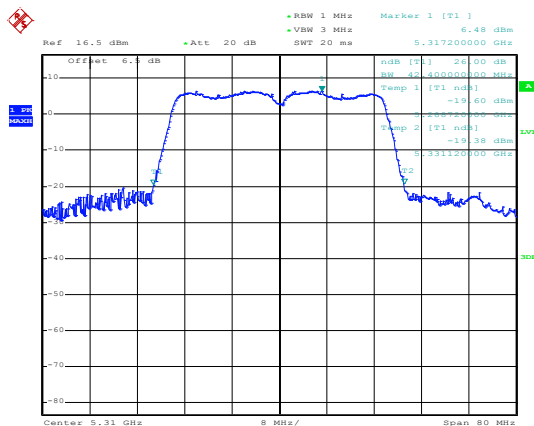
Date: 13.JAN.2020 05:34:11

99% OBW

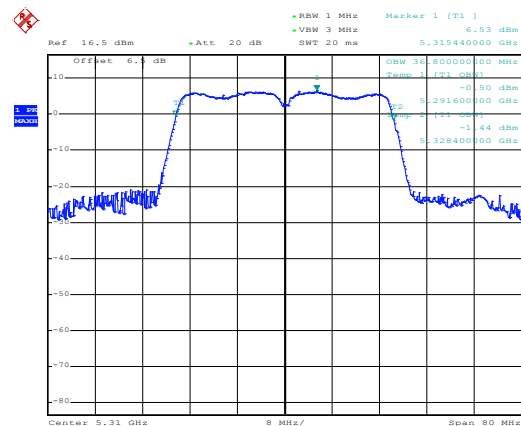


Date: 13.JAN.2020 05:33:57

Lowest channel



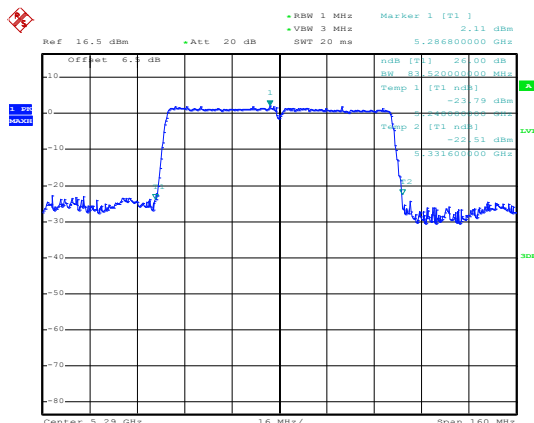
Date: 13.JAN.2020 05:35:23



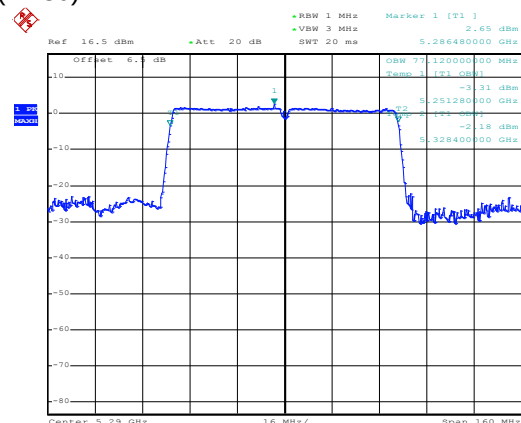
Date: 13.JAN.2020 05:35:11

Highest channel

802.11ac(HT80)



Date: 13.JAN.2020 05:32:32



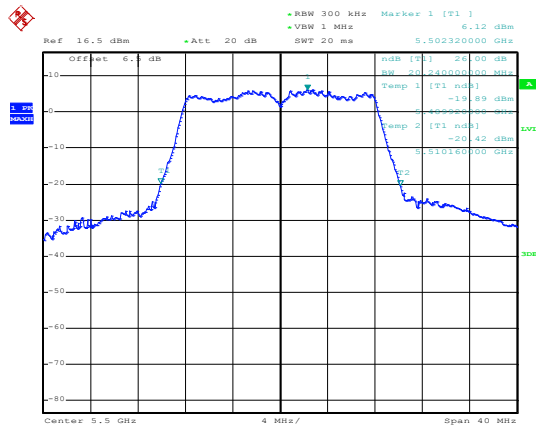
Date: 13.JAN.2020 05:32:21

Middle channel

Band 3:

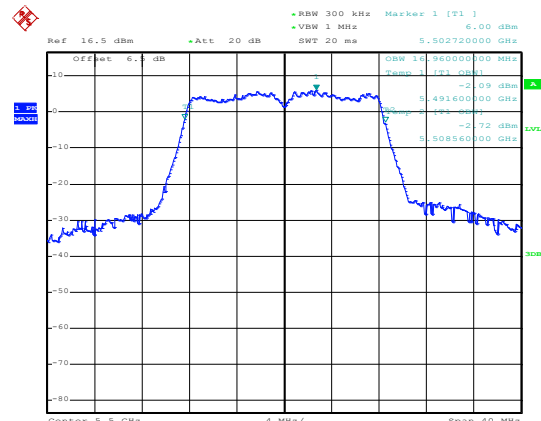
802.11a

26 dB EBW



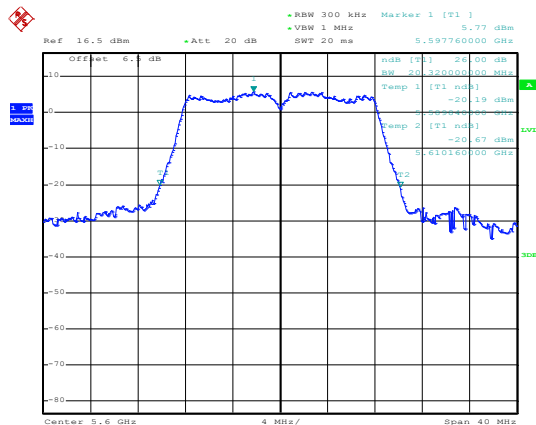
Date: 13.JAN.2020 04:47:20

99% OBW

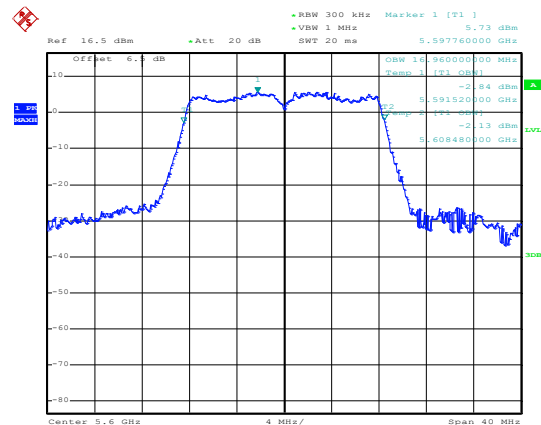


Date: 13.JAN.2020 04:47:30

Lowest channel

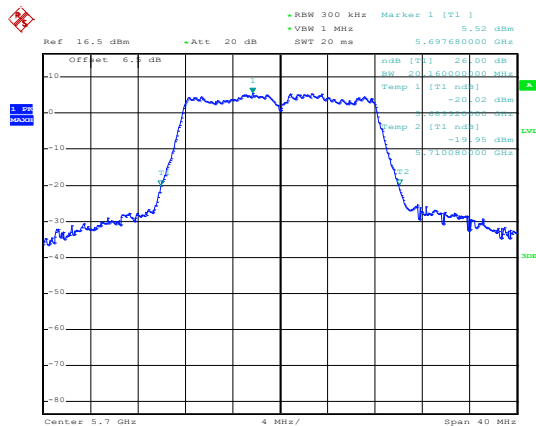


Date: 13.JAN.2020 04:48:09

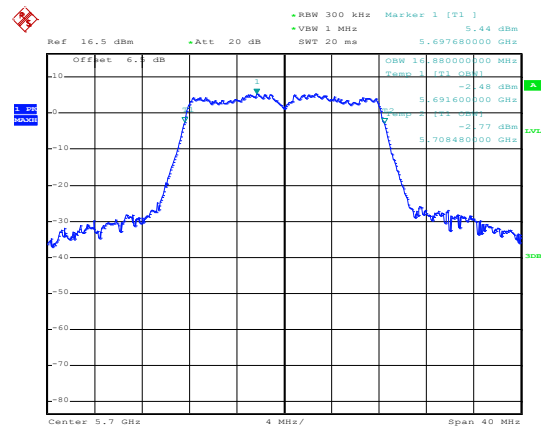


Date: 13.JAN.2020 04:47:57

Middle channel



Date: 13.JAN.2020 04:48:32

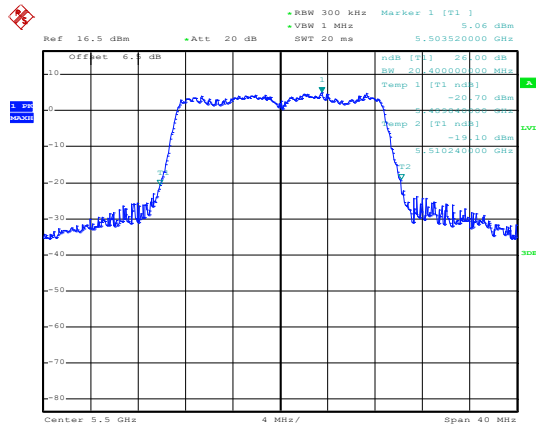


Date: 13.JAN.2020 04:48:42

Highest channel

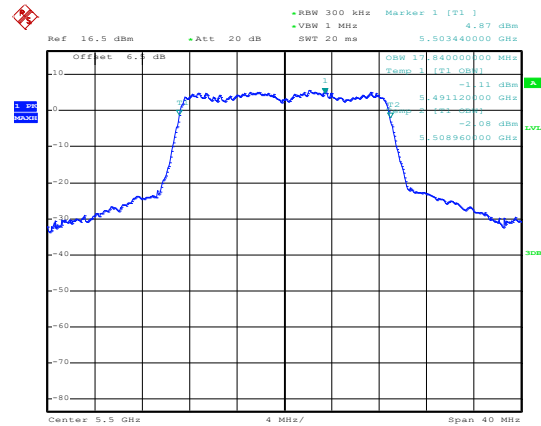
802.11n(HT20)

26 dB EBW



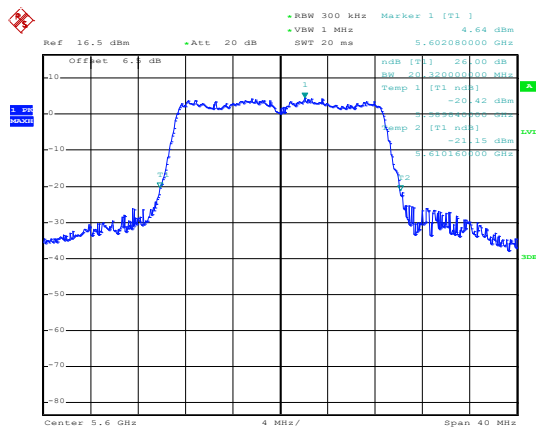
Date: 13.JAN.2020 04:43:00

99% OBW

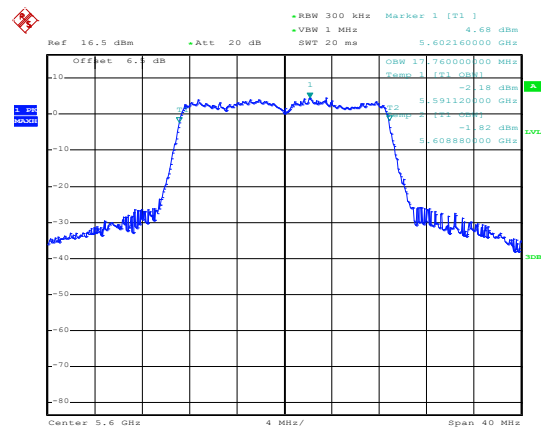


Date: 13.JAN.2020 12:14:48

Lowest channel

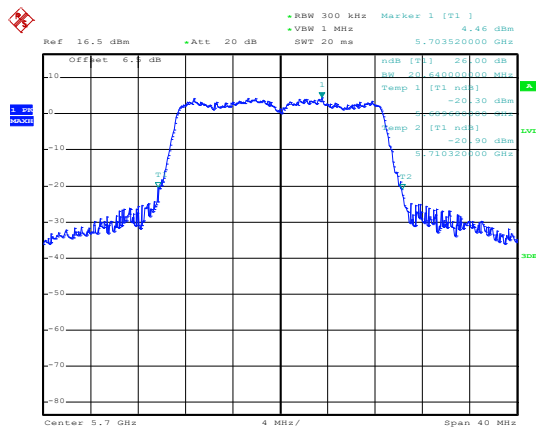


Date: 13.JAN.2020 04:43:54

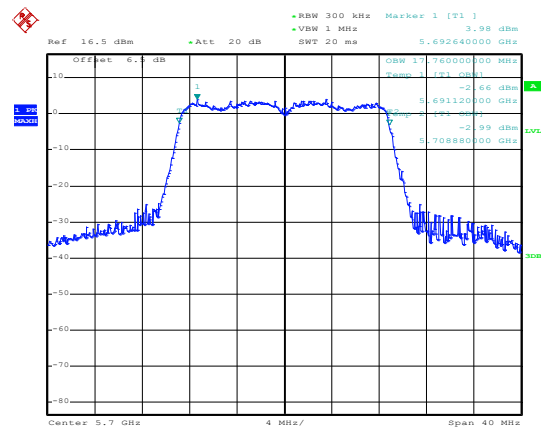


Date: 13.JAN.2020 04:44:05

Middle channel

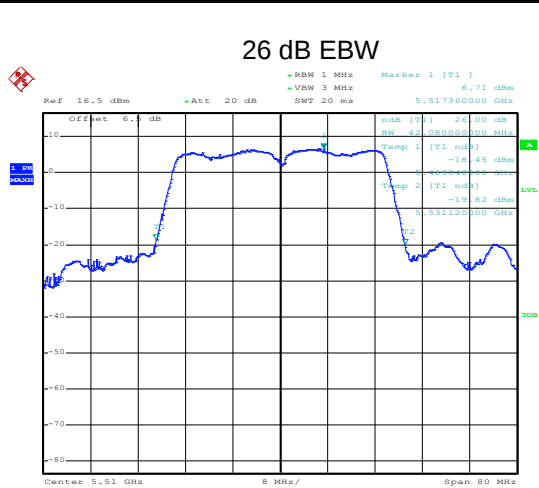


Date: 13.JAN.2020 04:45:48

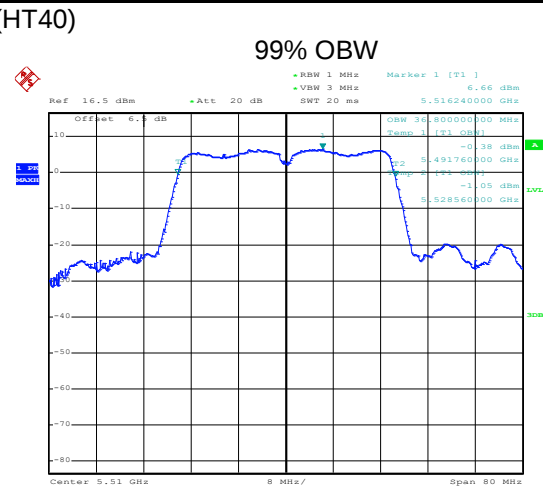


Date: 13.JAN.2020 04:45:36

Highest channel

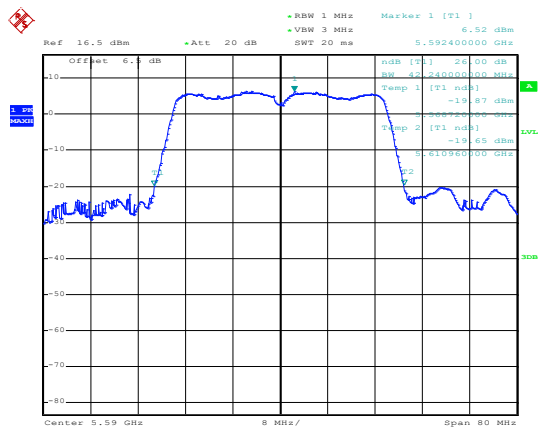


Date: 13.JAN.2020 04:40:41

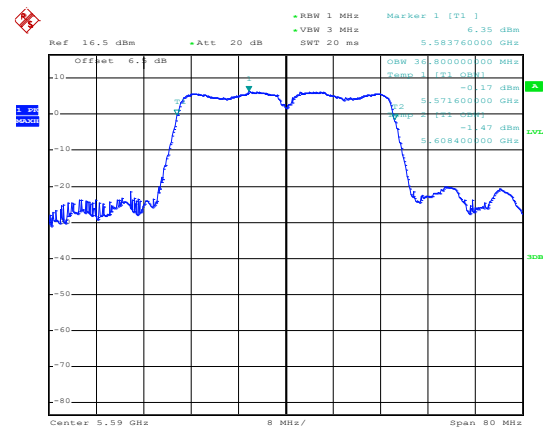


Date: 13.JAN.2020 04:40:52

Lowest channel

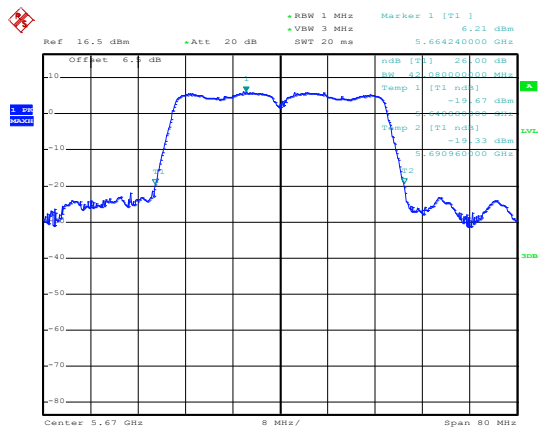


Date: 13.JAN.2020 04:39:47

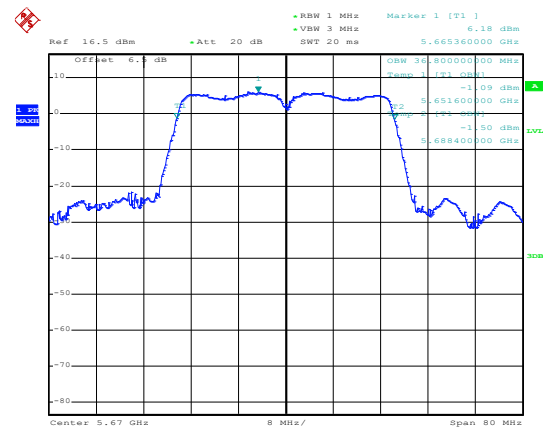


Date: 13.JAN.2020 04:39:36

Middle channel



Date: 13.JAN.2020 04:39:02

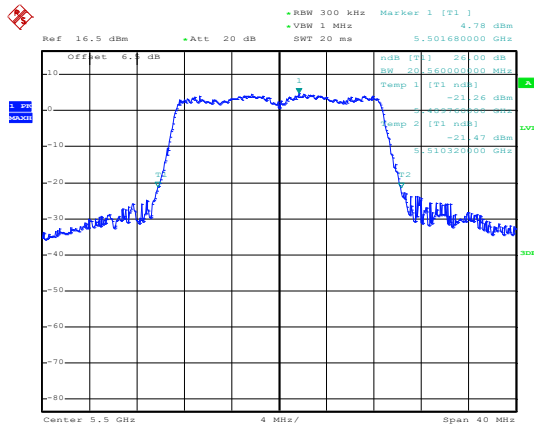


Date: 13.JAN.2020 04:39:12

Highest channel

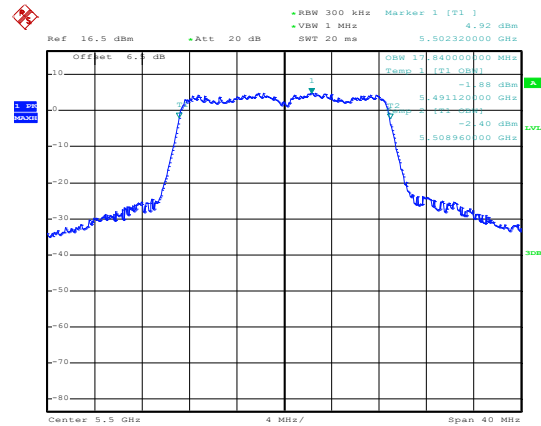
802.11ac(HT20)

26 dB EBW



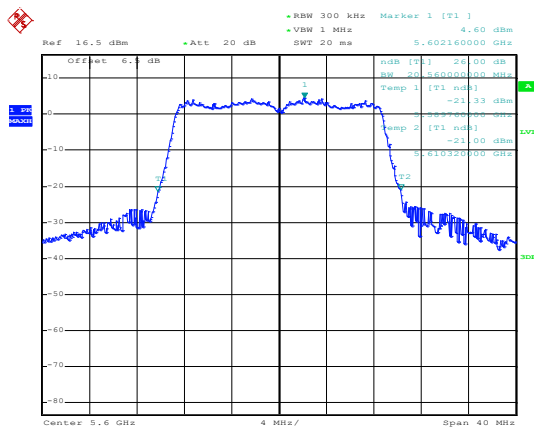
Date: 13.JAN.2020 04:42:28

99% OBW

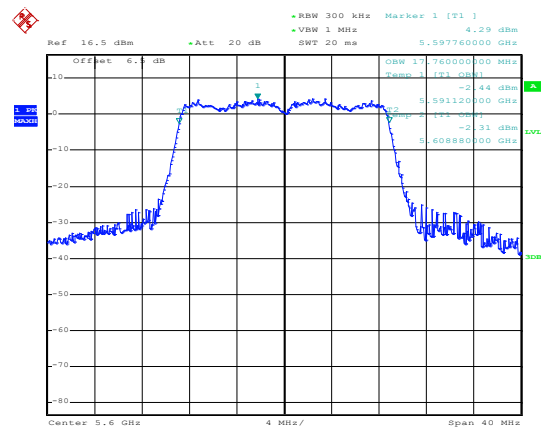


Date: 13.JAN.2020 04:42:18

Lowest channel

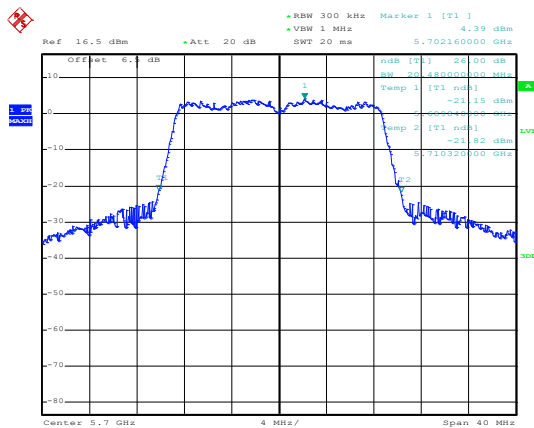


Date: 13.JAN.2020 04:44:29

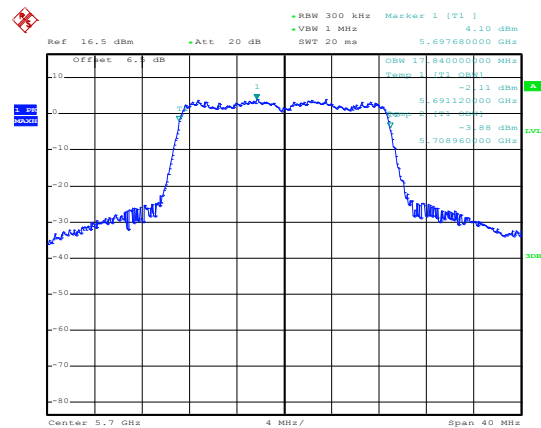


Date: 13.JAN.2020 04:44:19

Middle channel



Date: 13.JAN.2020 04:45:03

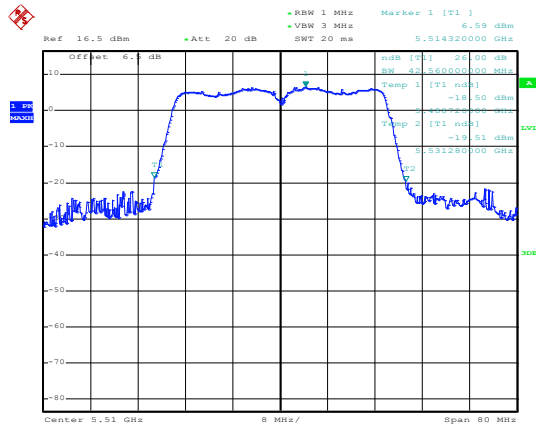


Date: 13.JAN.2020 04:45:19

Highest channel

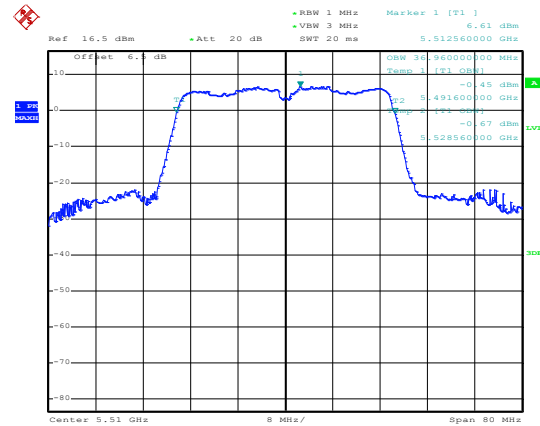
802.11ac(HT40)

26 dB EBW



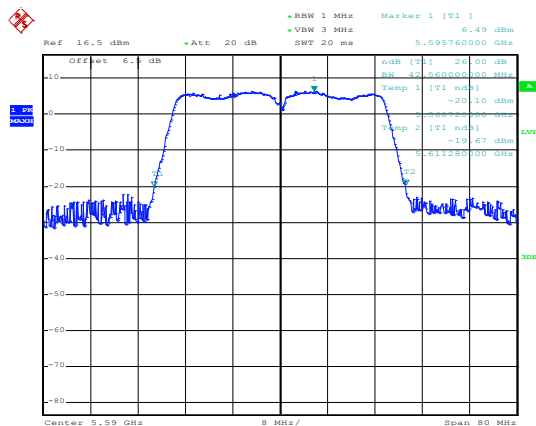
Date: 13.JAN.2020 04:35:31

99% OBW

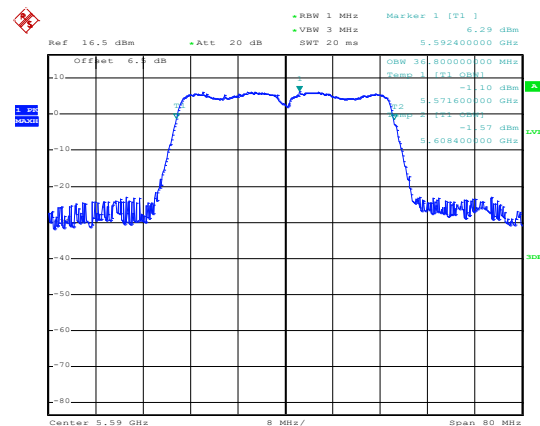


Date: 13.JAN.2020 04:35:20

Lowest channel

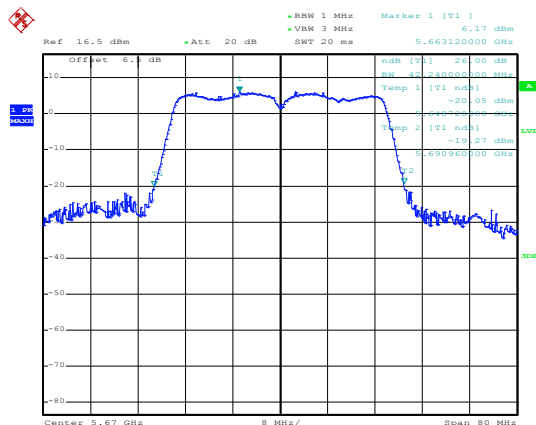


Date: 13.JAN.2020 04:36:10

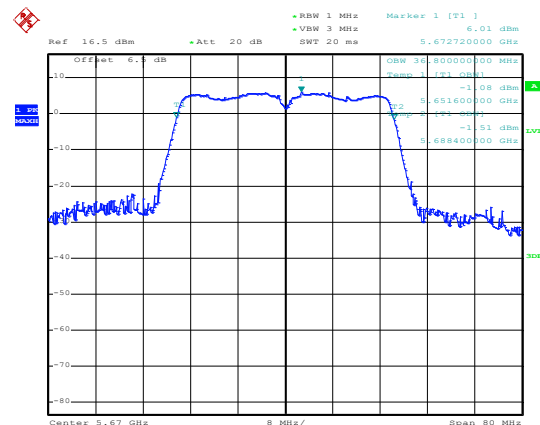


Date: 13.JAN.2020 04:36:21

Middle channel



Date: 13.JAN.2020 04:38:15

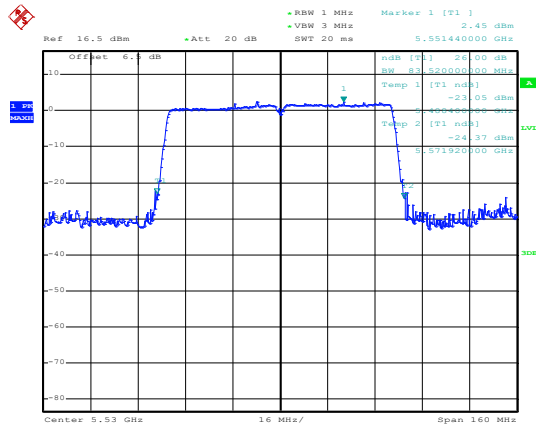


Date: 13.JAN.2020 04:38:04

Highest channel

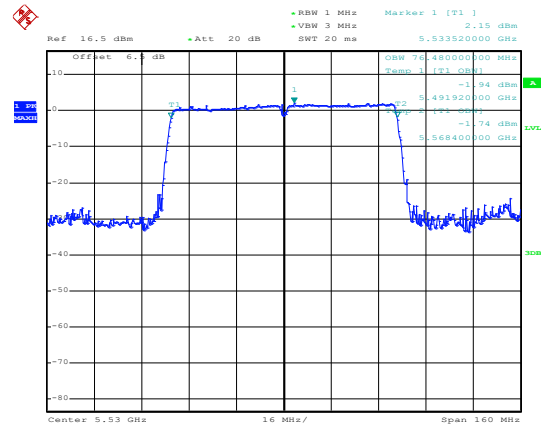
802.11ac(HT80)

26 dB EBW



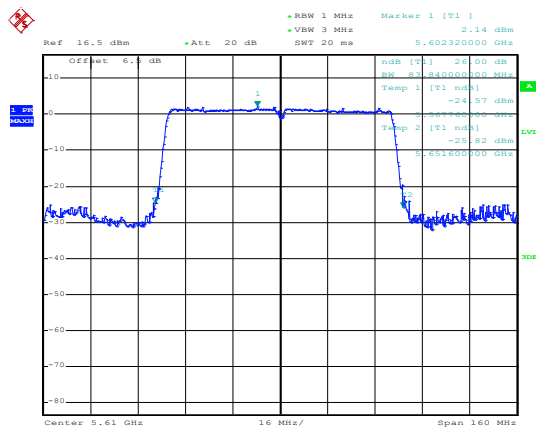
Date: 13.JAN.2020 04:32:01

99% OBW

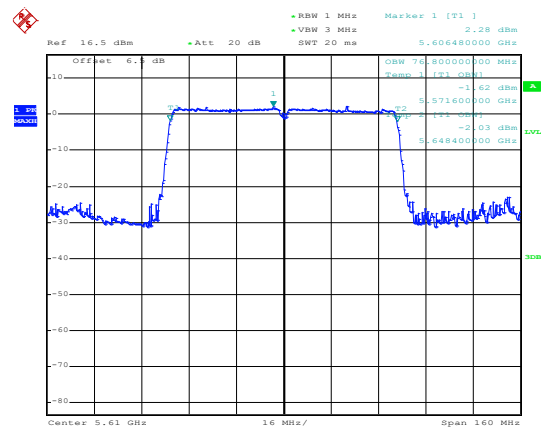


Date: 13.JAN.2020 04:32:12

Lowest channel



Date: 13.JAN.2020 04:31:21



Date: 13.JAN.2020 04:31:08

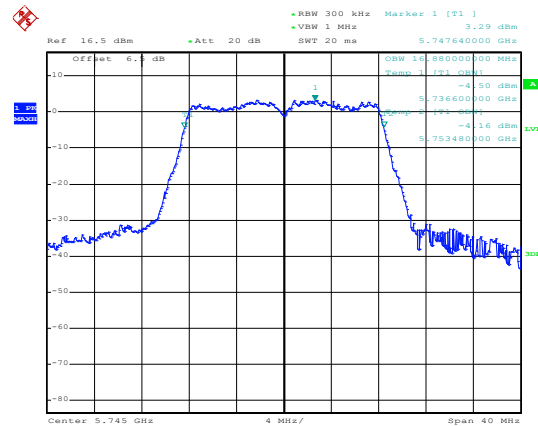
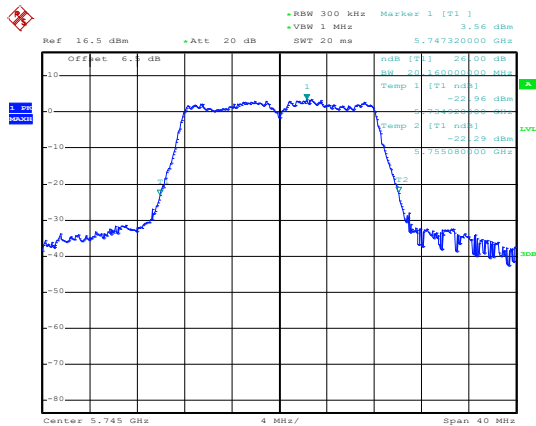
Highest channel

Band 4:

802.11a

26 dB EBW

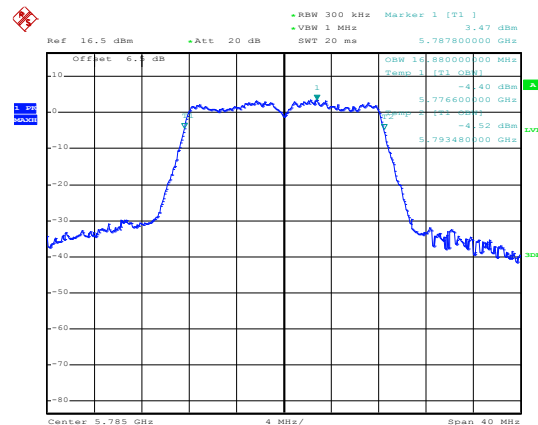
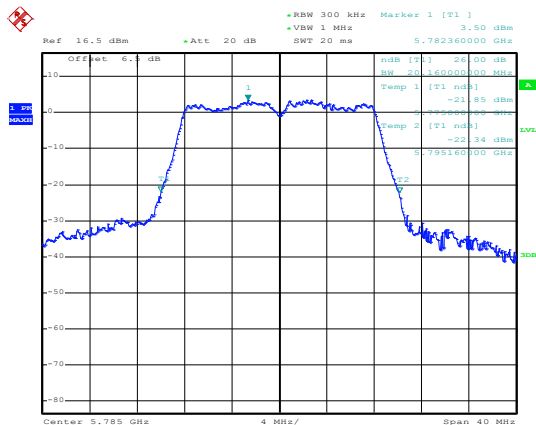
99% OBW



Date: 14.JAN.2020 08:18:29

Date: 14.JAN.2020 08:18:19

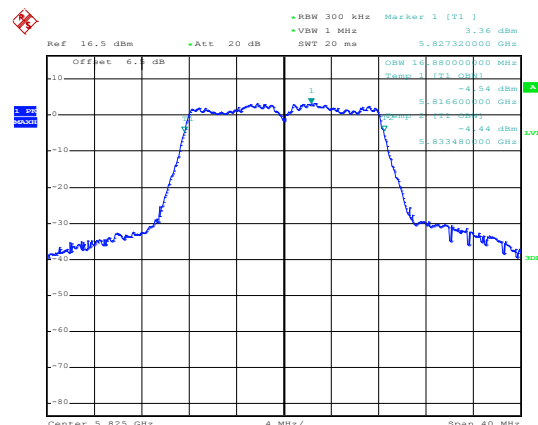
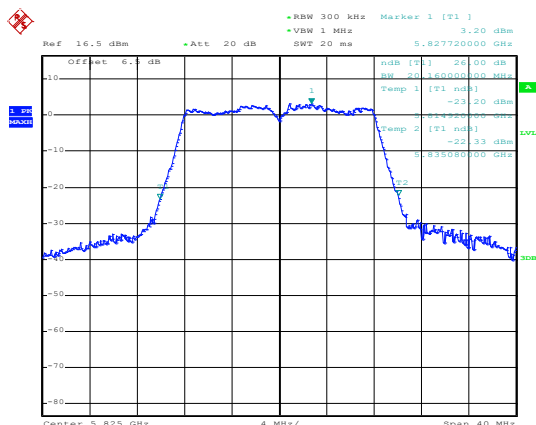
Lowest channel



Date: 14.JAN.2020 08:17:48

Date: 14.JAN.2020 08:17:56

Middle channel



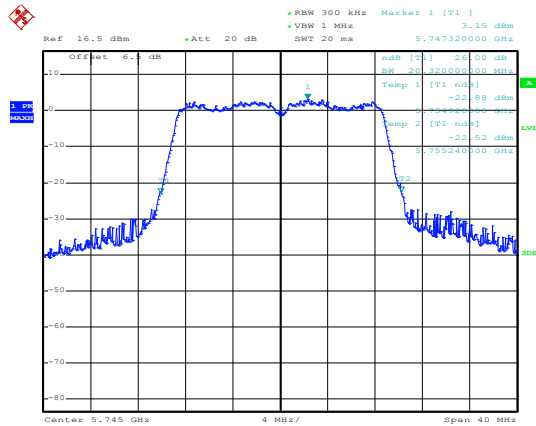
Date: 14.JAN.2020 08:15:37

Date: 14.JAN.2020 08:15:51

Highest channel

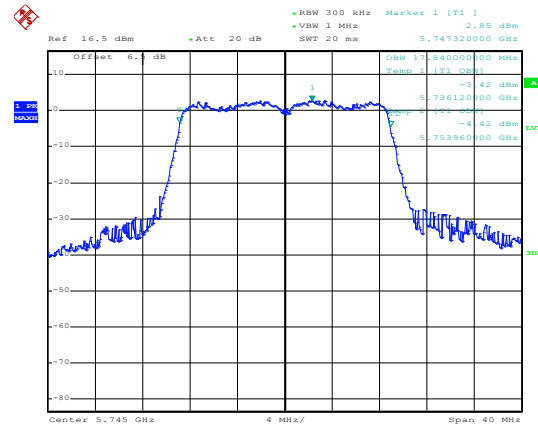
802.11n(HT20)

26 dB EBW



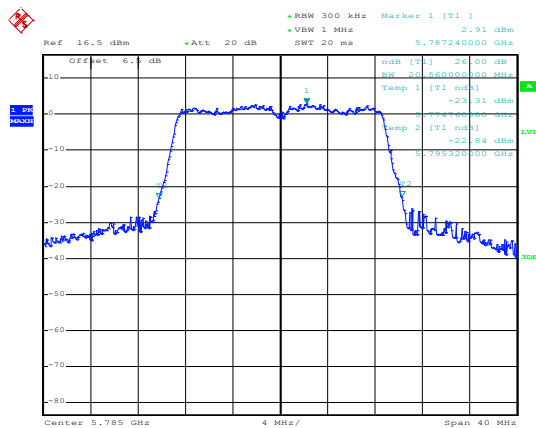
Date: 14.JAN.2020 08:12:41

99% OBW

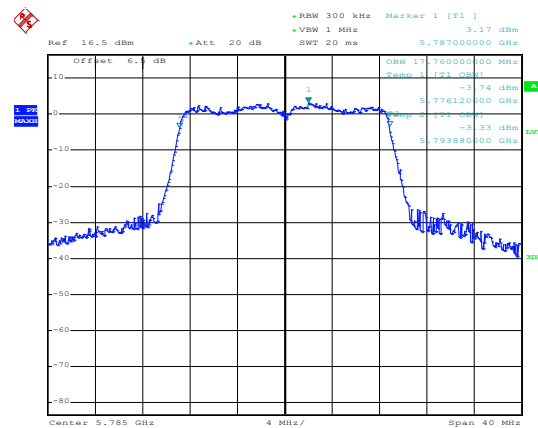


Date: 14.JAN.2020 08:11:59

Lowest channel

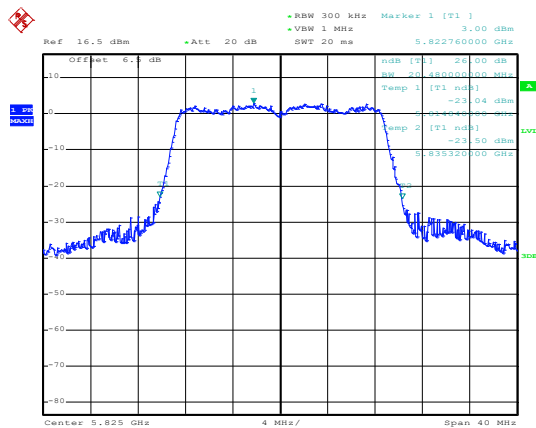


Date: 14.JAN.2020 08:13:07

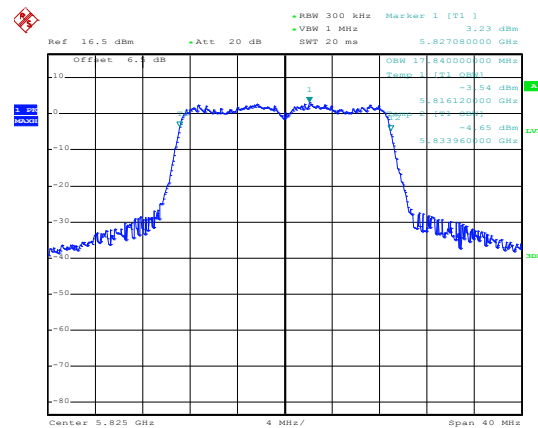


Date: 14.JAN.2020 08:13:17

Middle channel



Date: 14.JAN.2020 08:14:12

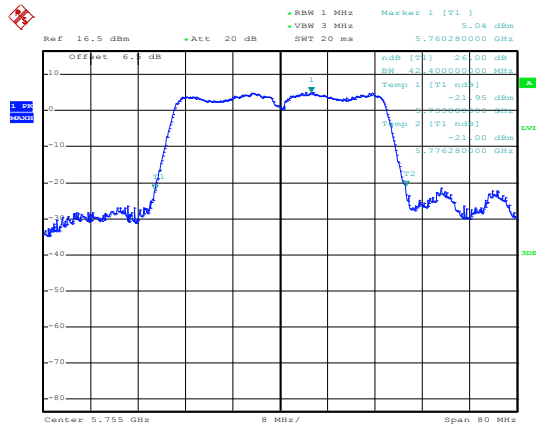


Date: 14.JAN.2020 08:14:24

Highest channel

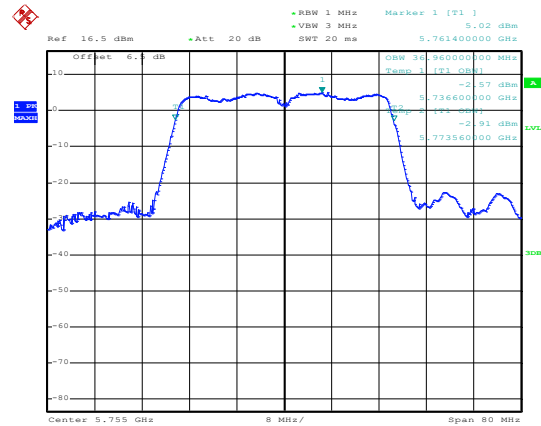
802.11n(HT40)

26 dB EBW



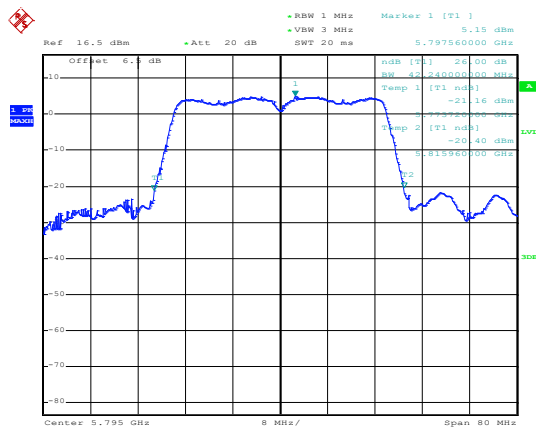
Date: 14.JAN.2020 08:06:33

99% OBW

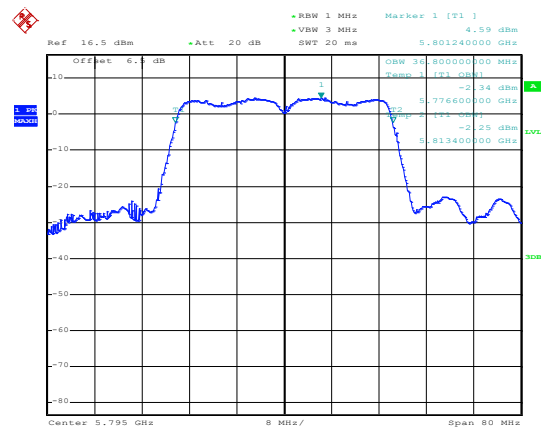


Date: 14.JAN.2020 08:06:23

Lowest channel



Date: 14.JAN.2020 08:08:53

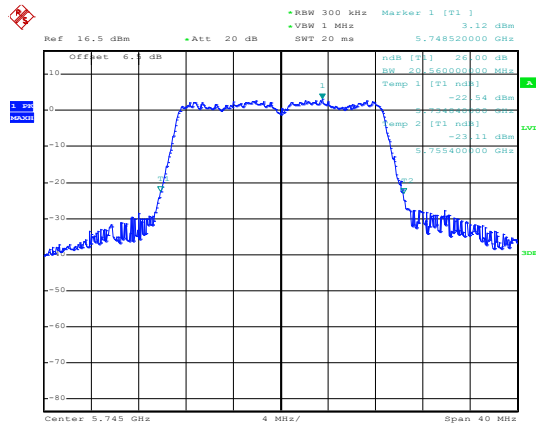


Date: 14.JAN.2020 08:08:41

Highest channel

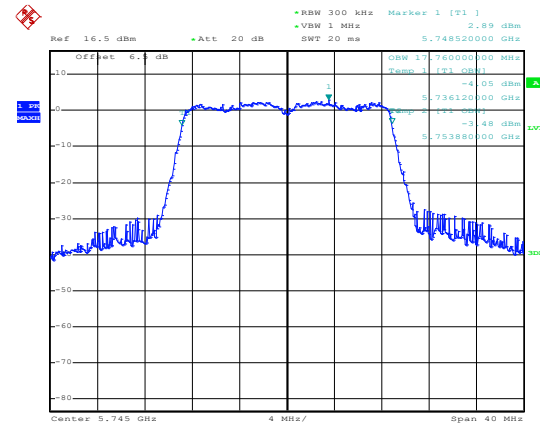
802.11ac(HT20)

26 dB EBW



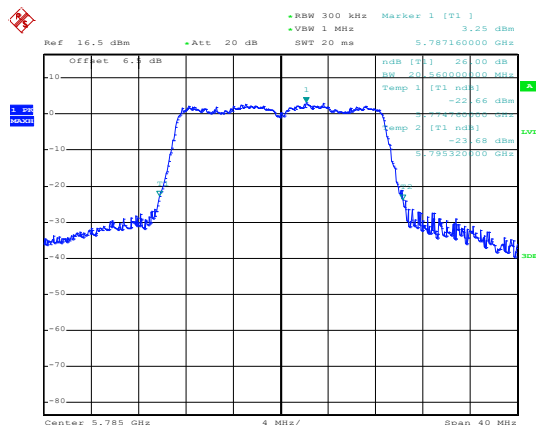
Date: 14.JAN.2020 08:12:25

99% OBW

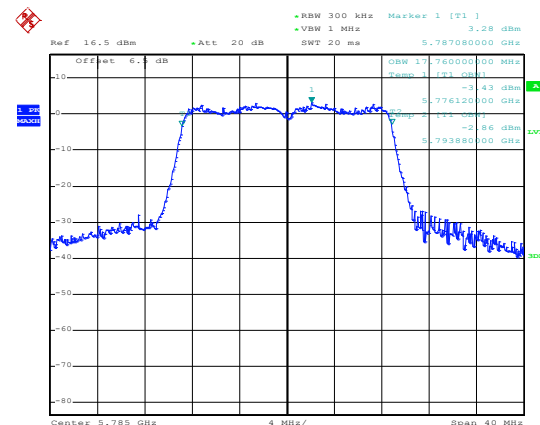


Date: 14.JAN.2020 08:12:12

Lowest channel

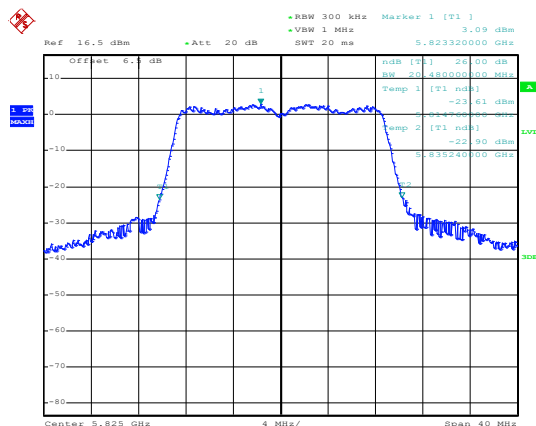


Date: 14.JAN.2020 08:13:45

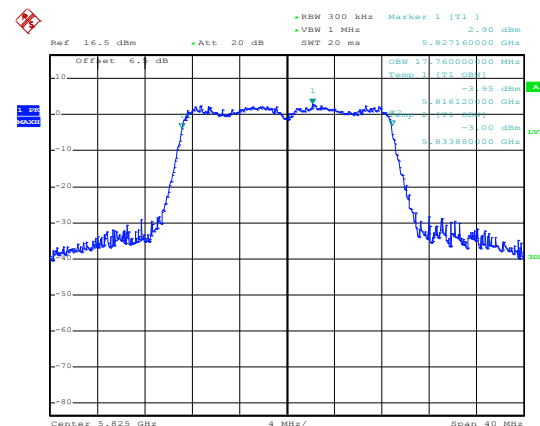


Date: 14.JAN.2020 08:13:37

Middle channel



Date: 14.JAN.2020 08:15:01

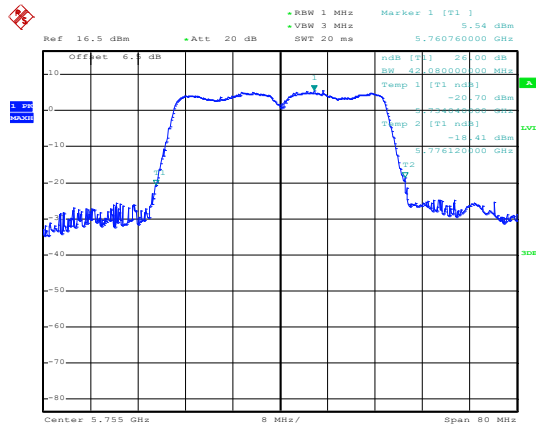


Date: 14.JAN.2020 08:14:41

Highest channel

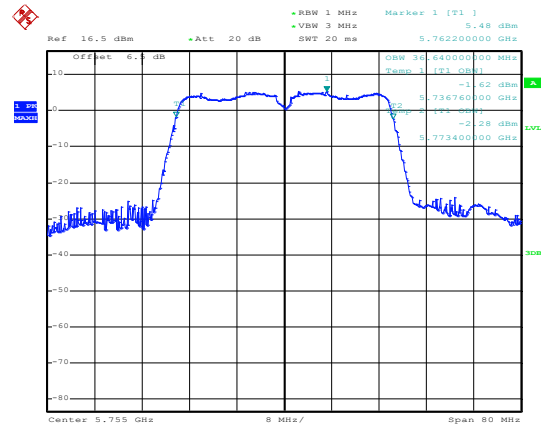
802.11ac(HT40)

26 dB EBW



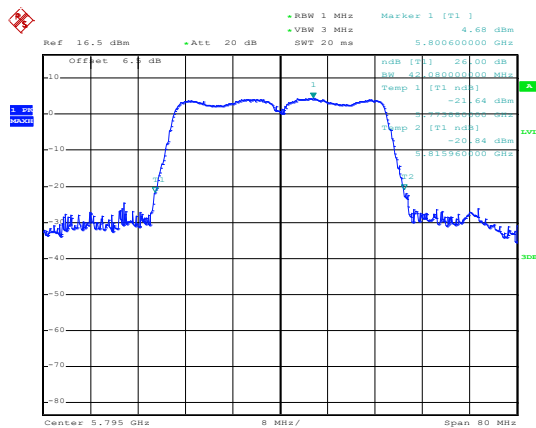
Date: 14.JAN.2020 08:08:04

99% OBW

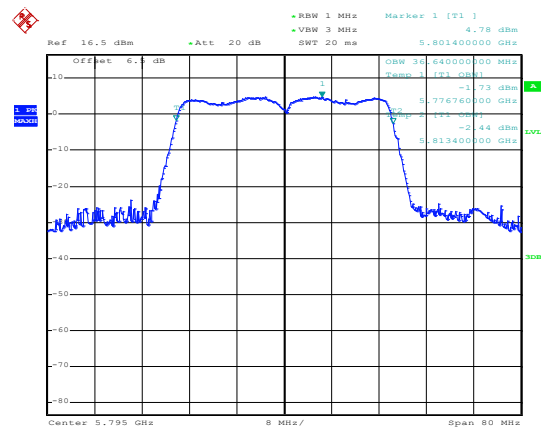


Date: 14.JAN.2020 08:08:11

Lowest channel



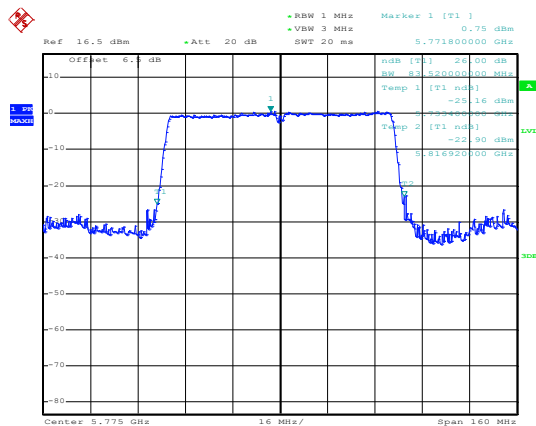
Date: 14.JAN.2020 08:09:03



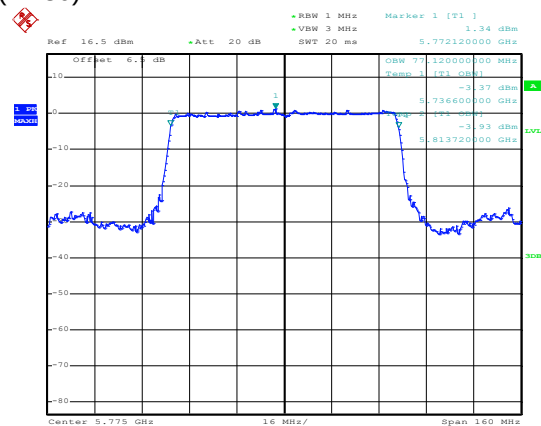
Date: 14.JAN.2020 08:09:15

Highest channel

802.11ac(HT80)



Date: 14.JAN.2020 07:57:47

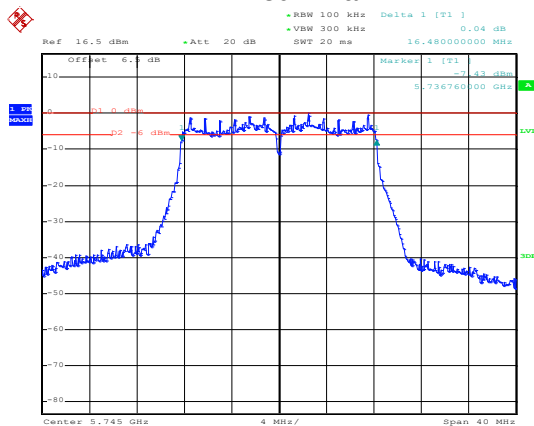


Date: 14.JAN.2020 07:57:29

Middle channel

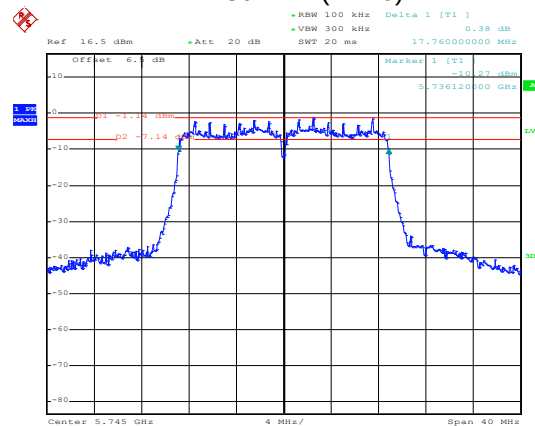
6dB BW

802.11a



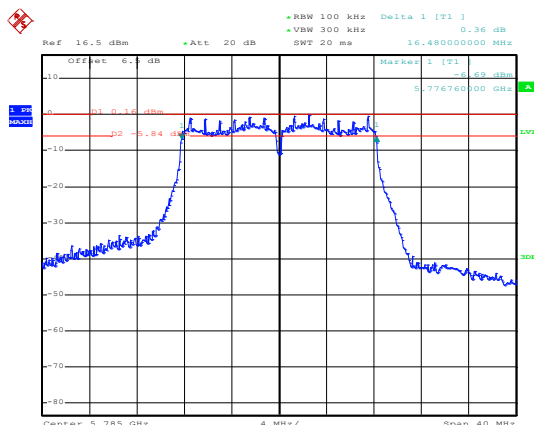
Date: 14.JAN.2020 08:21:22

802.11n(HT20)



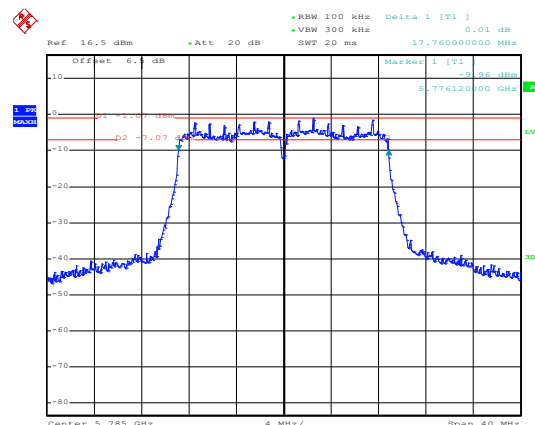
Date: 14.JAN.2020 08:34:51

Lowest channel



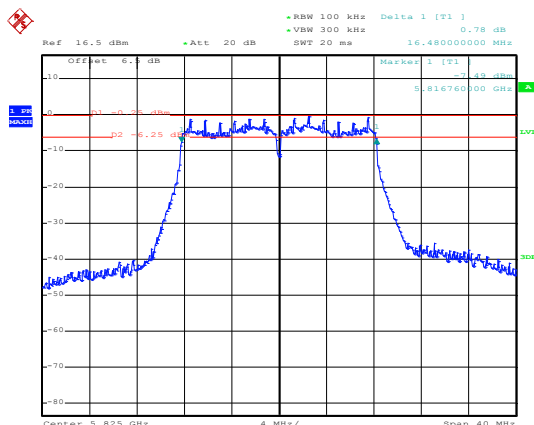
Date: 14.JAN.2020 08:24:06

Lowest channel



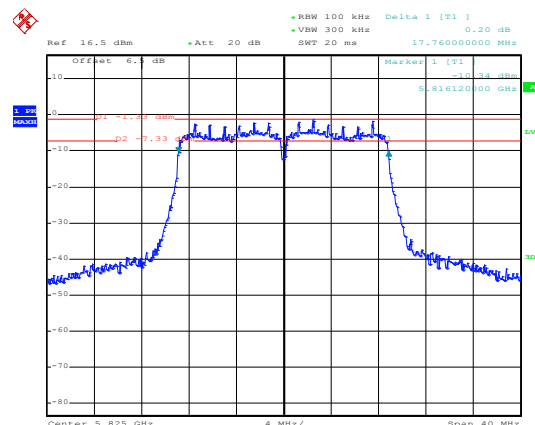
Date: 14.JAN.2020 08:31:18

Middle channel



Date: 14.JAN.2020 08:26:22

Middle channel

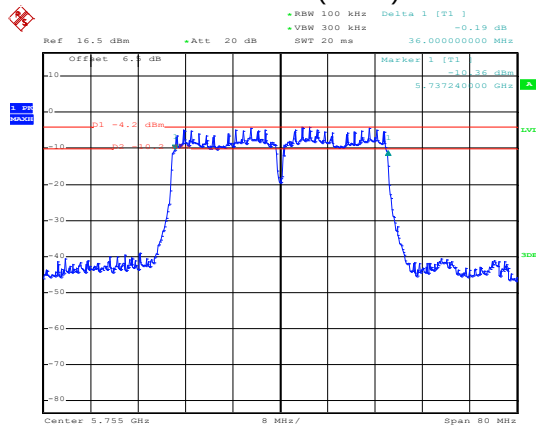


Date: 14.JAN.2020 08:27:50

Highest channel

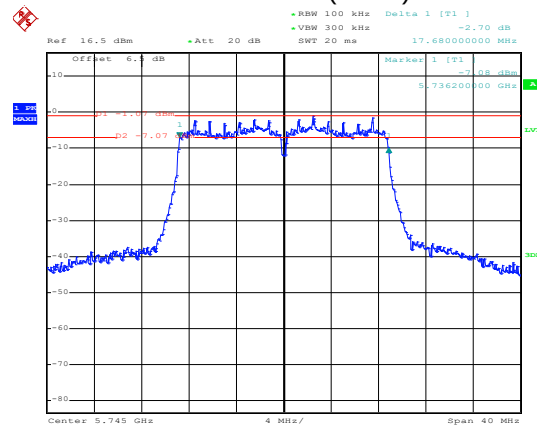
Highest channel

802.11n(HT40)



Date: 14.JAN.2020 08:38:28

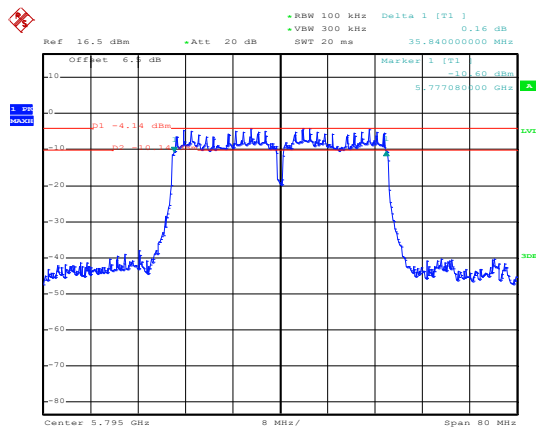
802.11ac(HT20)



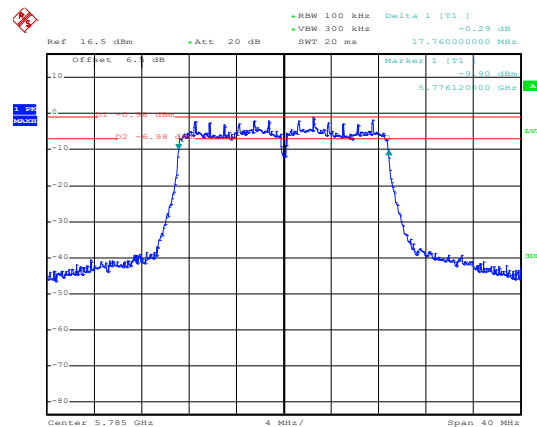
Date: 14.JAN.2020 08:36:24

Lowest channel

Lowest channel



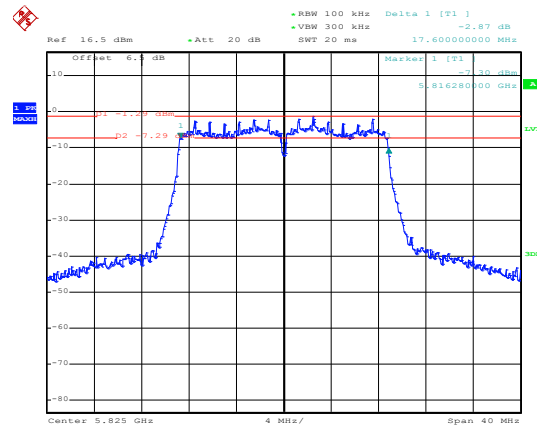
Date: 14.JAN.2020 08:40:57



Date: 14.JAN.2020 08:33:17

Highest channel

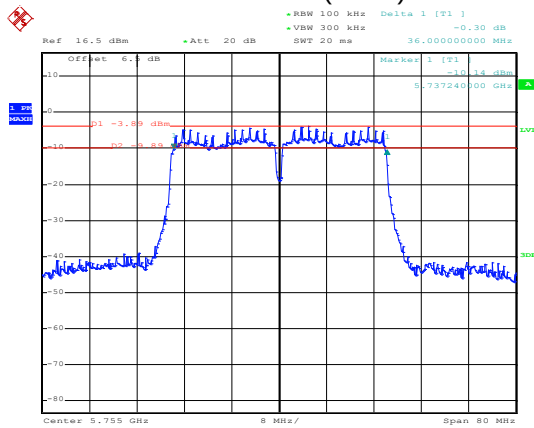
Middle channel



Date: 14.JAN.2020 08:29:26

Highest channel

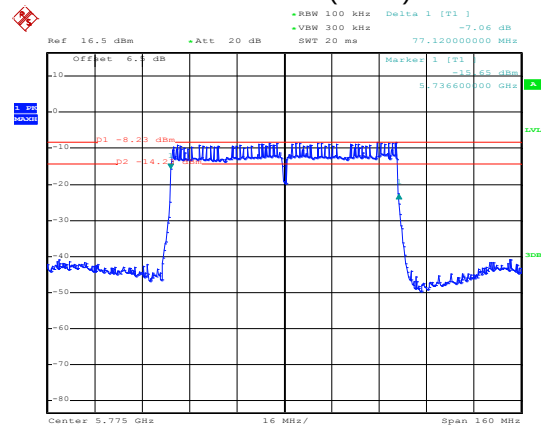
802.11ac(HT40)



Date: 14.JAN.2020 08:39:57

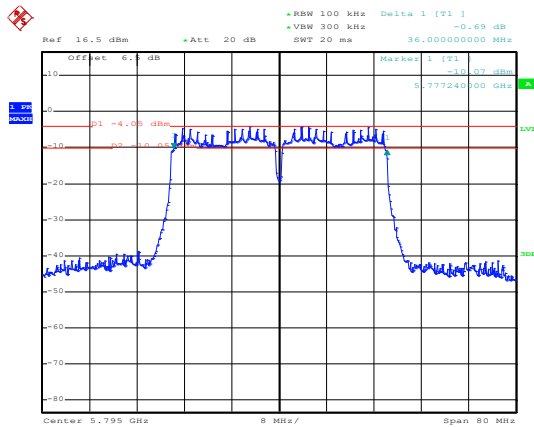
Lowest channel

802.11ac(HT80)



Date: 14.JAN.2020 08:03:01

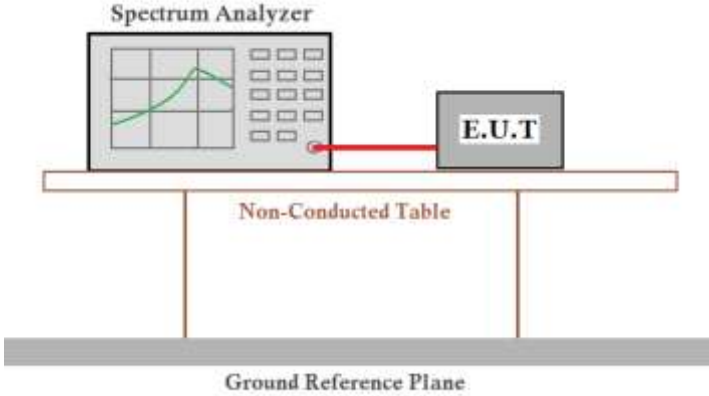
Middle channel



Date: 14.JAN.2020 08:42:00

Highest channel

6.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407 (a) (1) (iv) & (a) (2) & (a)(3)
Limit:	Band 1: 11 dBm/MHz Band 2: 11 dBm/MHz Band 3: 11 dBm/MHz Band 4: 30 dBm/500kHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

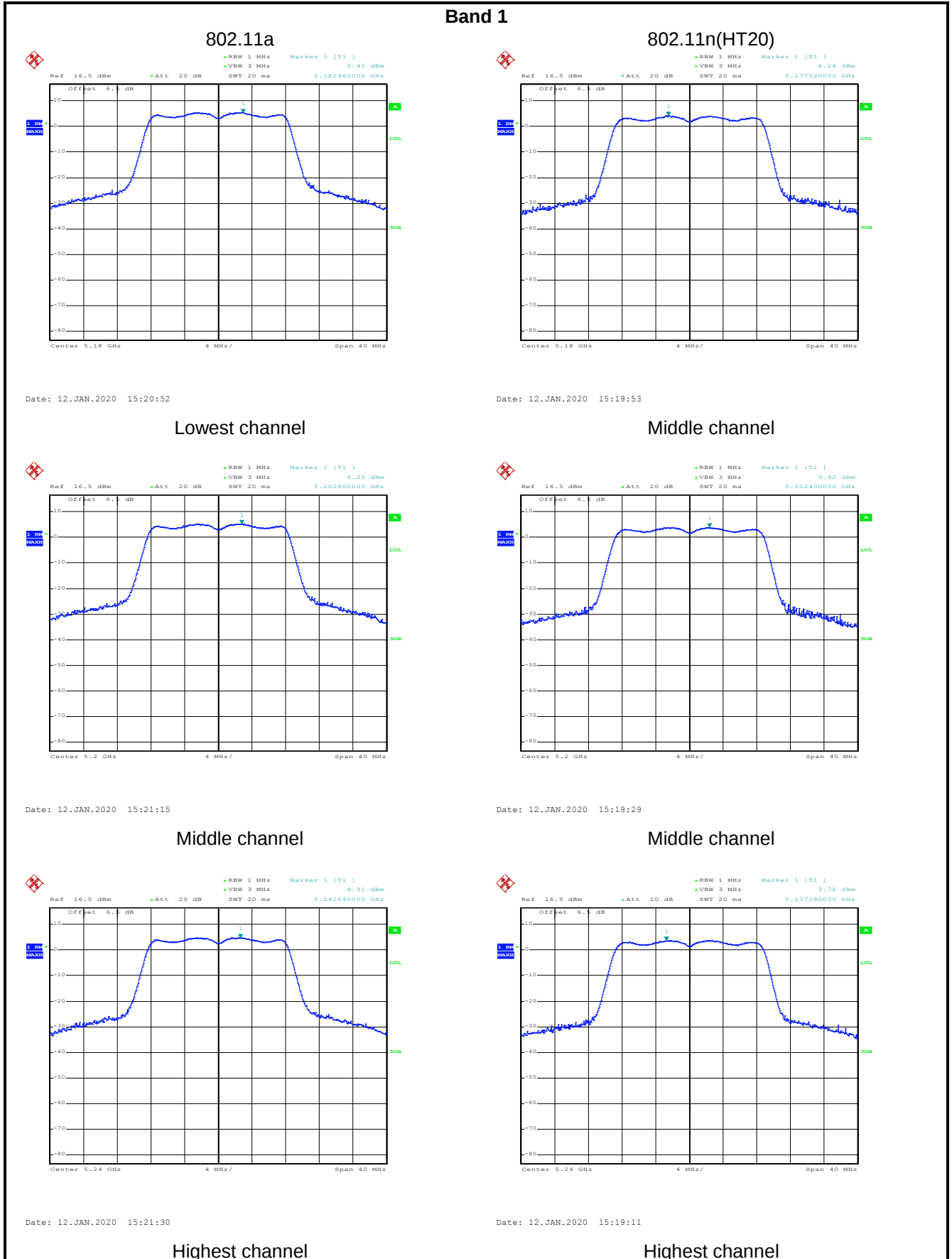
Band 1				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	5.45	11.00	Pass
	Middle	5.25		
	Highest	4.91		
802.11n(HT20)	Lowest	4.24	11.00	Pass
	Middle	3.92		
	Highest	3.76		
802.11n(HT40)	Lowest	-0.77	11.00	Pass
	Highest	-1.07		
802.11ac(HT20)	Lowest	4.15	11.00	Pass
	Middle	4.01		
	Highest	3.77		
802.11ac(HT40)	Lowest	-0.64	11.00	Pass
	Highest	-0.89		
802.11ac(HT80)	Middle	-5.53	11.00	Pass

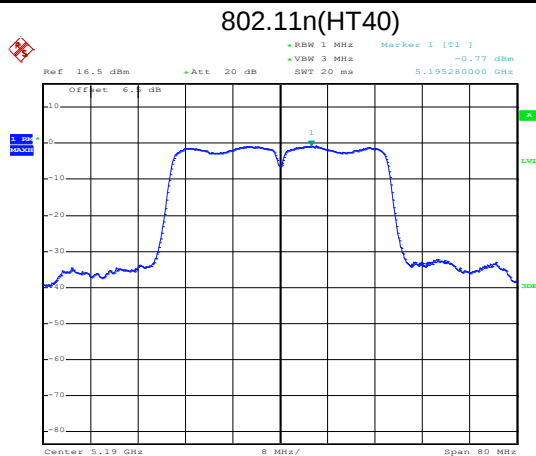
Band 2				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	3.49	11.00	Pass
	Middle	3.71		
	Highest	3.67		
802.11n(HT20)	Lowest	2.47	11.00	Pass
	Middle	2.11		
	Highest	2.44		
802.11n(HT40)	Lowest	-1.96	11.00	Pass
	Highest	-1.92		
802.11ac(HT20)	Lowest	1.95	11.00	Pass
	Middle	2.04		
	Highest	2.32		
802.11ac(HT40)	Lowest	-1.92	11.00	Pass
	Highest	-2.00		
802.11ac(HT80)	Middle	-6.29	11.00	Pass

Band 3				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	3.34	11.00	Pass
	Middle	3.31		
	Highest	2.95		
802.11n20	Lowest	2.47	11.00	Pass
	Middle	2.18		
	Highest	1.62		
802.11n40	Lowest	-1.68	11.00	Pass
	Middle	-1.82		
	Highest	-2.37		
802.11ac20	Lowest	2.27	11.00	Pass
	Middle	2.06		
	Highest	1.38		
802.11ac40	Lowest	-1.56	11.00	Pass
	Middle	-1.87		
	Highest	-1.98		
802.11ac80	Lowest	-5.83	11.00	Pass
	Highest	-5.86		

Band 4				
Mode	Test CH	PSD (dBm)	Limit (dBm)	Result
802.11a	Lowest	1.118	30.00	Pass
	Middle	0.856		
	Highest	0.624		
802.11n20	Lowest	-0.569	30.00	Pass
	Middle	-0.614		
	Highest	-0.815		
802.11n40	Lowest	-2.403	30.00	Pass
	Highest	-3.260		
802.11ac20	Lowest	-1.135	30.00	Pass
	Middle	-0.683		
	Highest	-0.758		
802.11ac40	Lowest	-3.419	30.00	Pass
	Highest	-3.447		
802.11ac80	Middle	-7.069	30.00	Pass

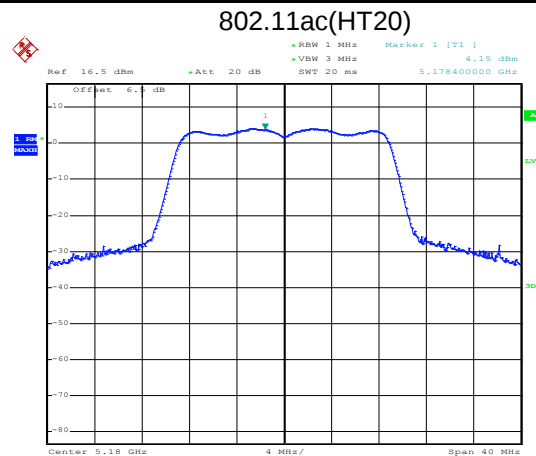
Test plot as follows:





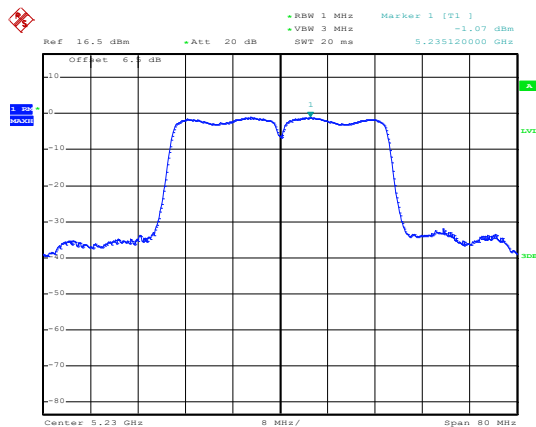
Date: 12.JAN.2020 15:14:52

Lowest channel



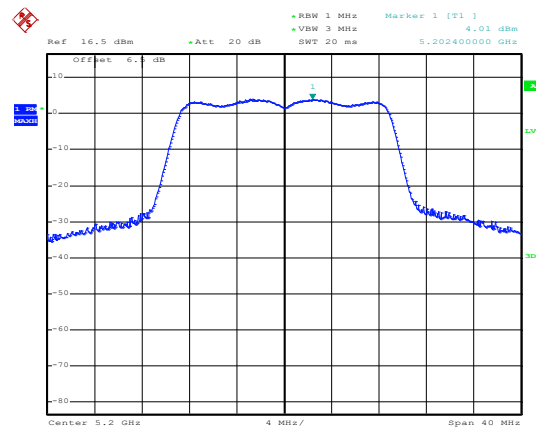
Date: 12.JAN.2020 15:17:50

Middle channel



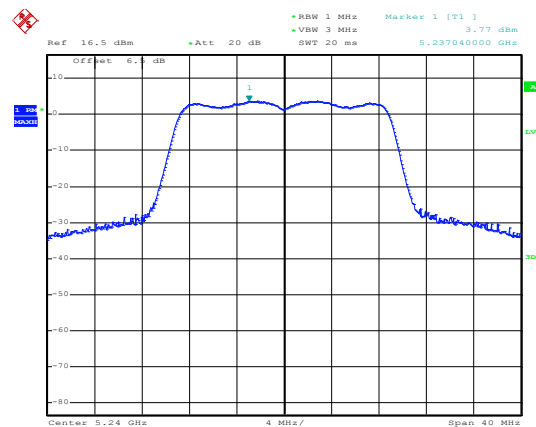
Date: 12.JAN.2020 15:14:30

Highest channel



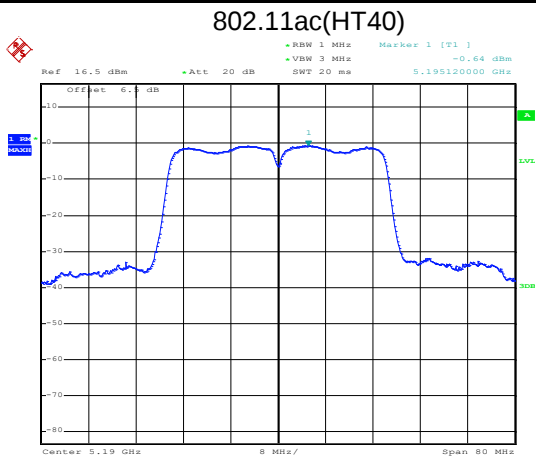
Date: 12.JAN.2020 15:18:22

Middle channel



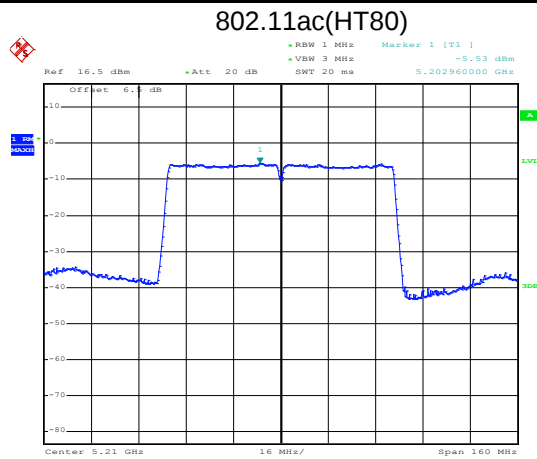
Date: 12.JAN.2020 15:18:43

Highest channel



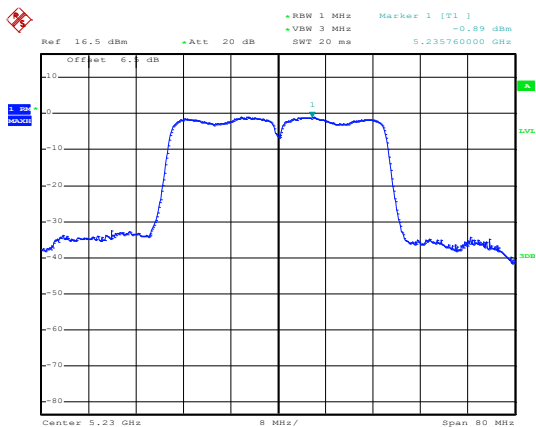
Date: 12.JAN.2020 15:15:23

Lowest channel



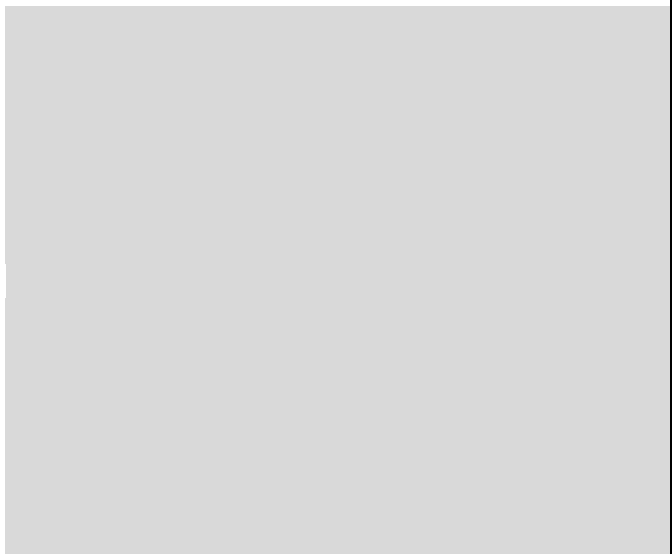
Date: 12.JAN.2020 15:16:54

Middle channel



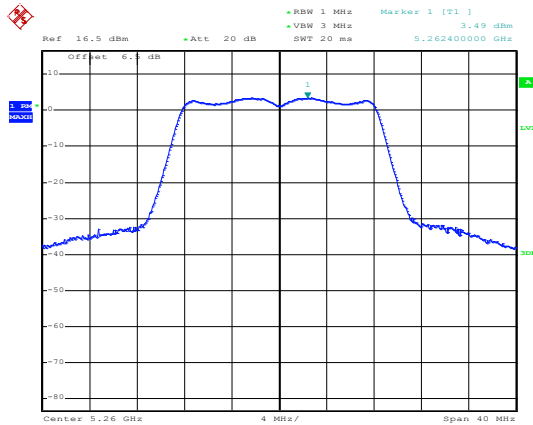
Date: 12.JAN.2020 15:15:47

Highest channel



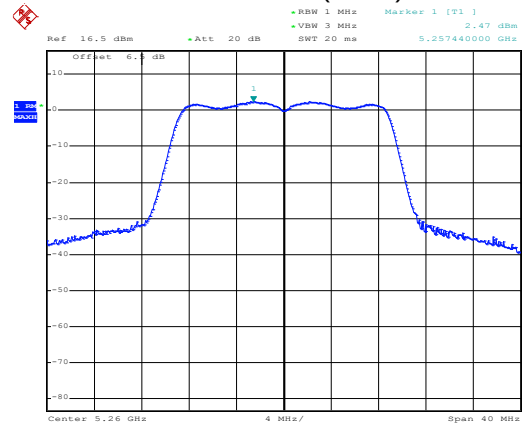
Band 2

802.11a



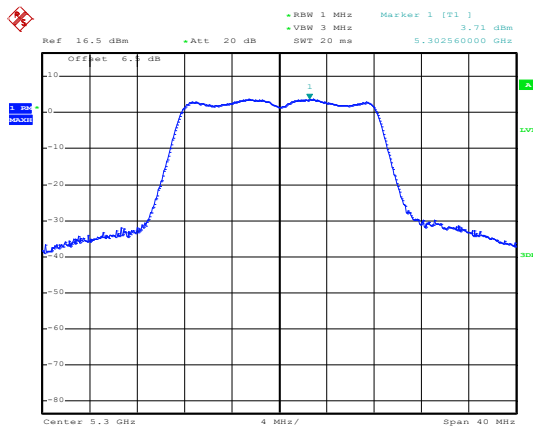
Date: 13.JAN.2020 05:23:39

802.11n(HT20)



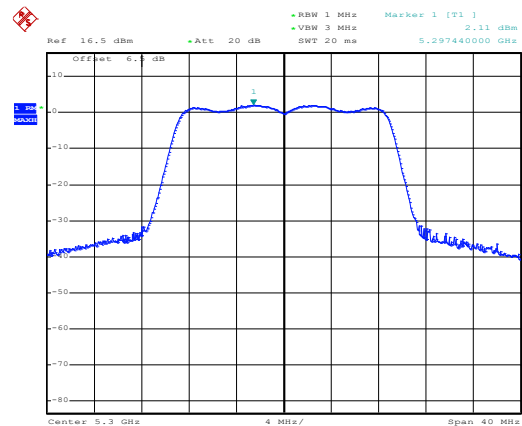
Date: 13.JAN.2020 05:20:39

Lowest channel



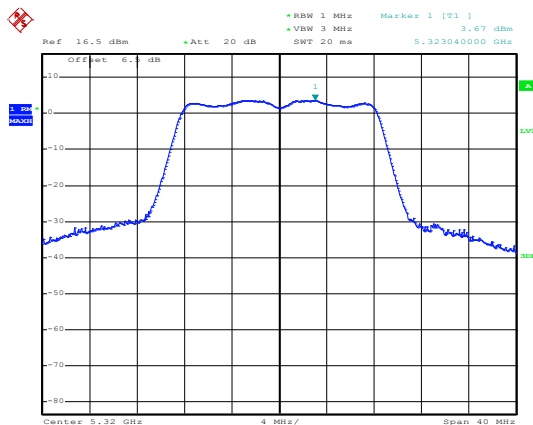
Date: 13.JAN.2020 05:23:15

Middle channel



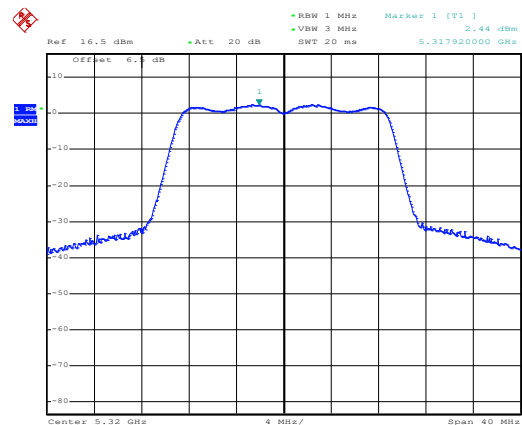
Date: 13.JAN.2020 05:21:24

Middle channel



Date: 13.JAN.2020 05:22:51

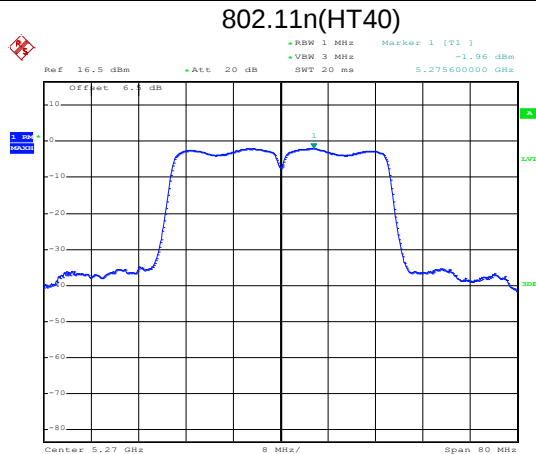
Middle channel



Date: 13.JAN.2020 05:22:01

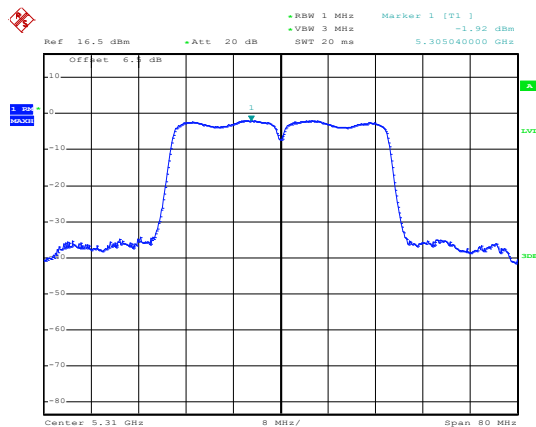
Highest channel

Highest channel



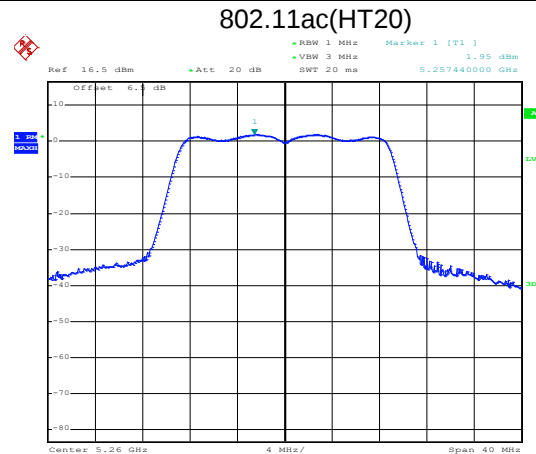
Date: 13.JAN.2020 05:18:28

Lowest channel



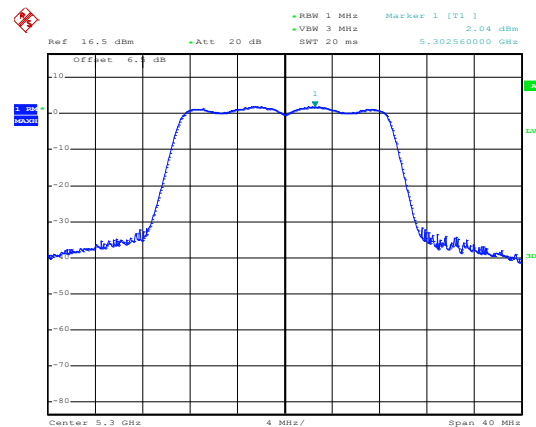
Date: 13.JAN.2020 05:19:18

Highest channel



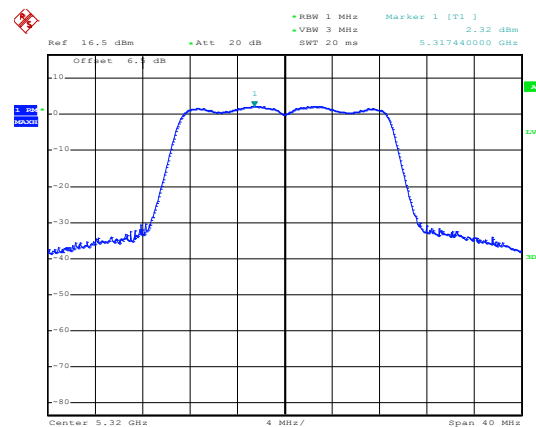
Date: 13.JAN.2020 05:20:56

Middle channel



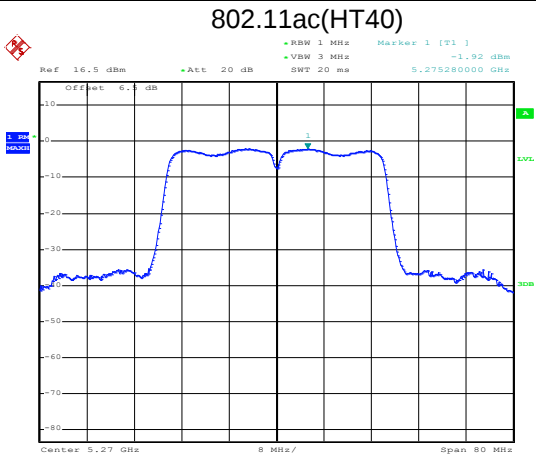
Date: 13.JAN.2020 05:21:36

Middle channel



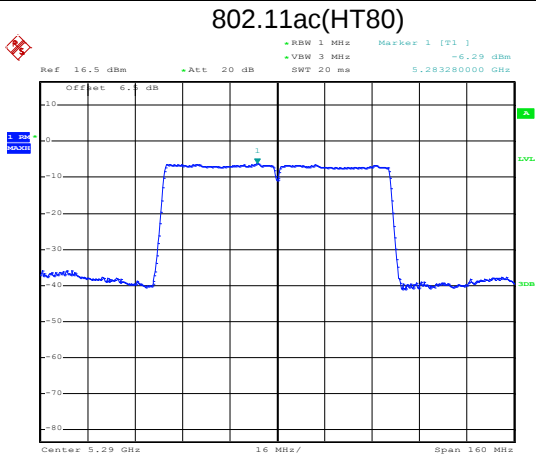
Date: 13.JAN.2020 05:22:12

Highest channel



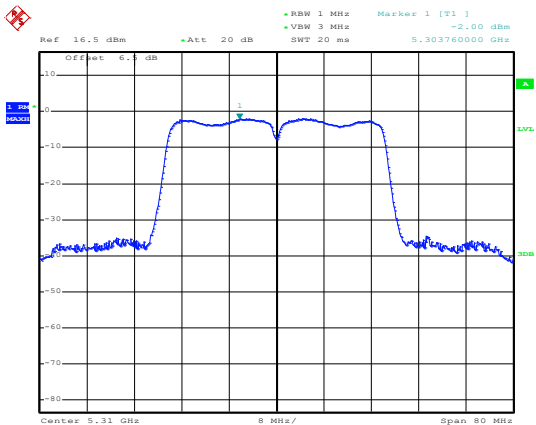
Date: 13.JAN.2020 05:18:54

Lowest channel



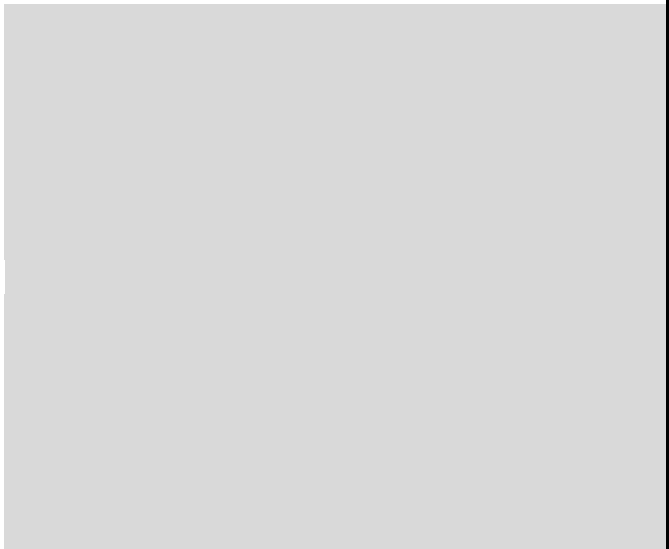
Date: 13.JAN.2020 05:17:19

Middle channel



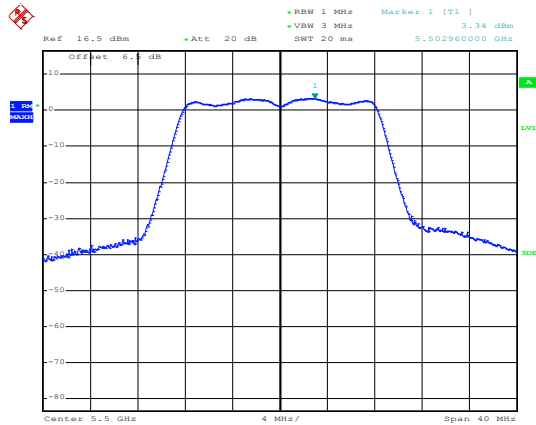
Date: 13.JAN.2020 05:19:29

Highest channel



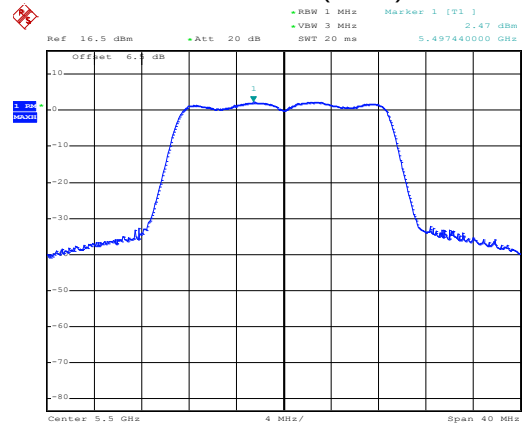
Band 3

802.11a



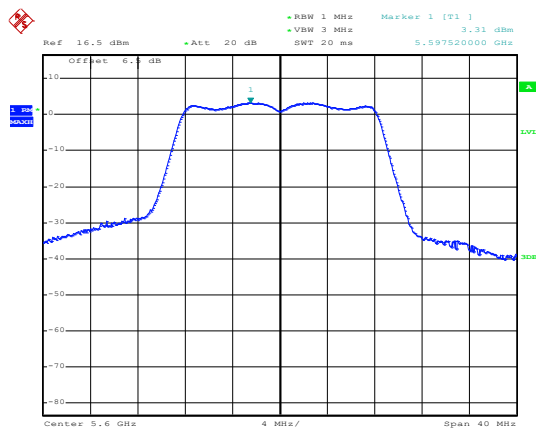
Date: 13.JAN.2020 04:50:16

802.11n(HT20)



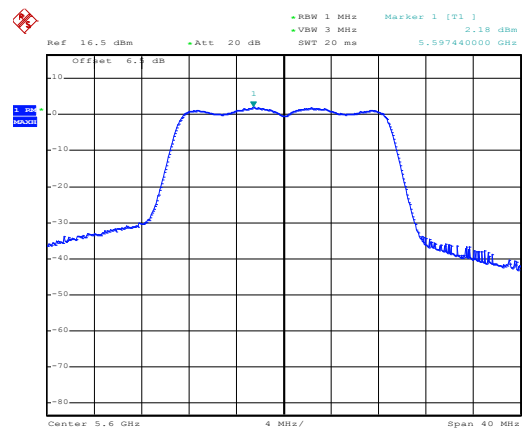
Date: 13.JAN.2020 04:50:49

Lowest channel



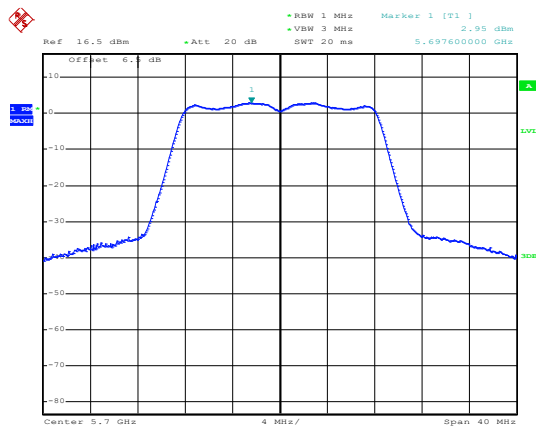
Date: 13.JAN.2020 04:49:52

Middle channel



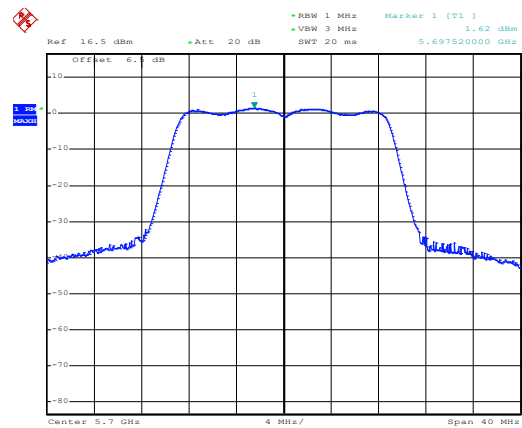
Date: 13.JAN.2020 04:52:03

Middle channel



Date: 13.JAN.2020 04:49:29

Middle channel

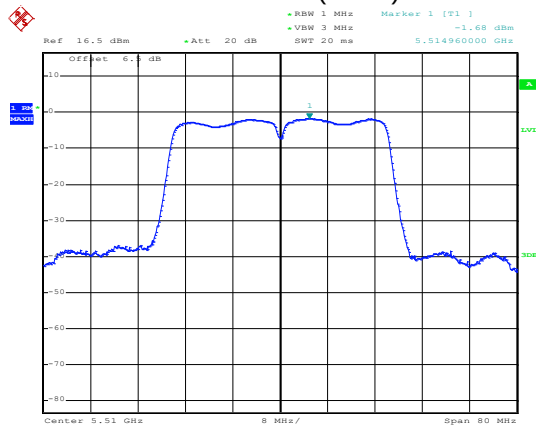


Date: 13.JAN.2020 04:52:28

Highest channel

Highest channel

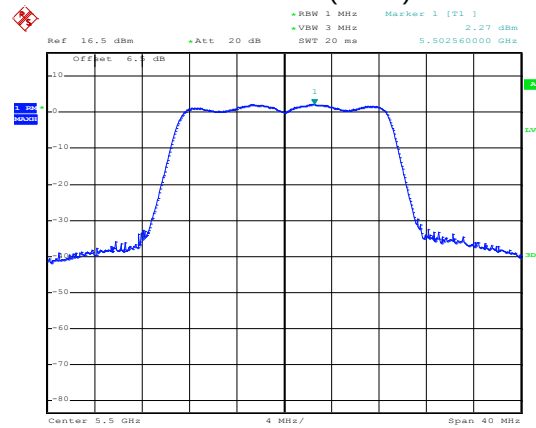
802.11n(HT40)



Date: 13.JAN.2020 04:53:25

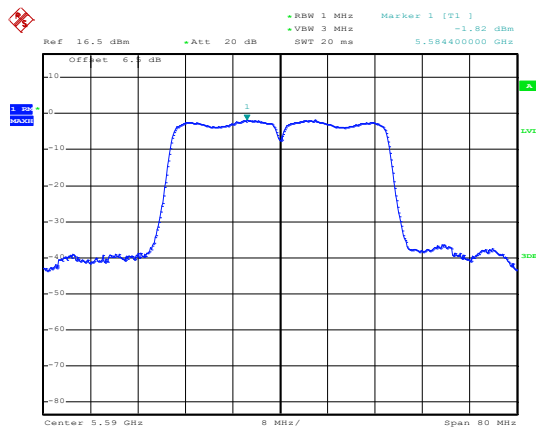
Lowest channel

802.11ac(HT20)



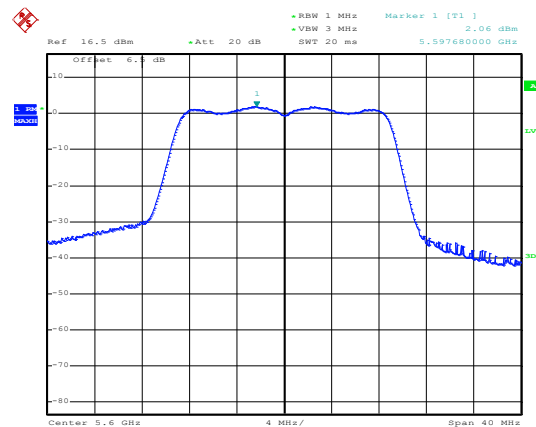
Date: 13.JAN.2020 04:51:05

Middle channel



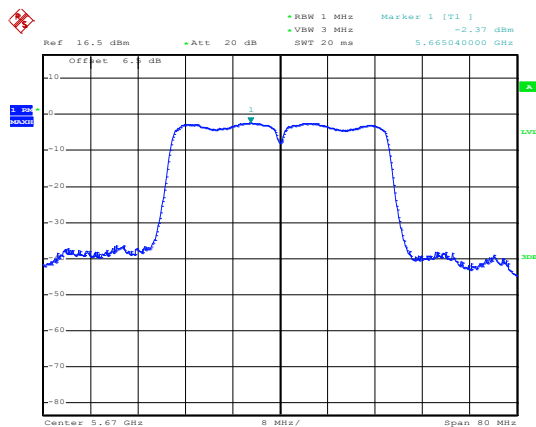
Date: 13.JAN.2020 04:54:12

Middle channel



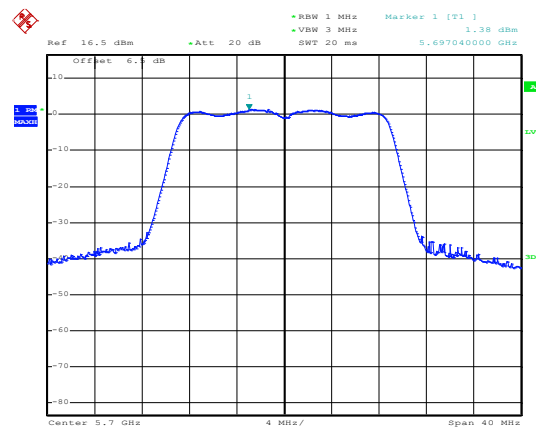
Date: 13.JAN.2020 04:51:45

Middle channel



Date: 13.JAN.2020 04:54:54

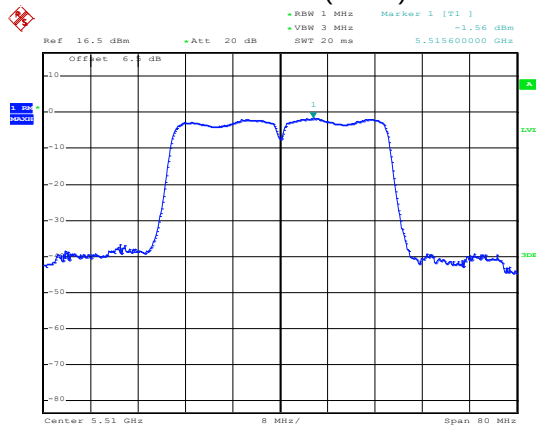
Highest channel



Date: 13.JAN.2020 04:52:42

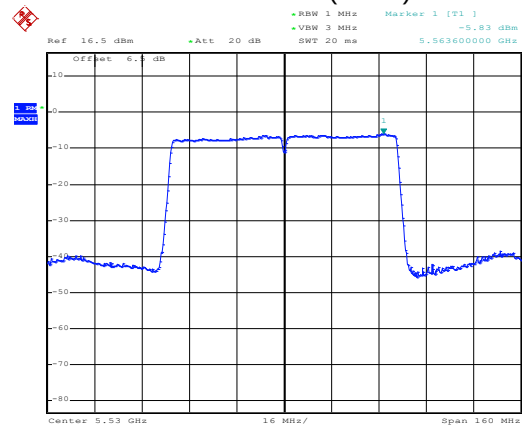
Highest channel

802.11ac(HT40)



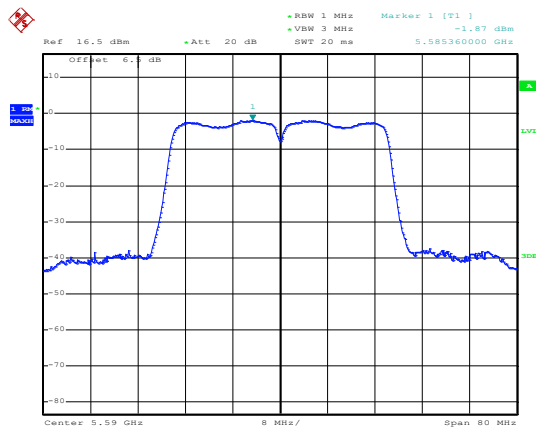
Date: 13.JAN.2020 04:53:38

802.11ac(HT80)



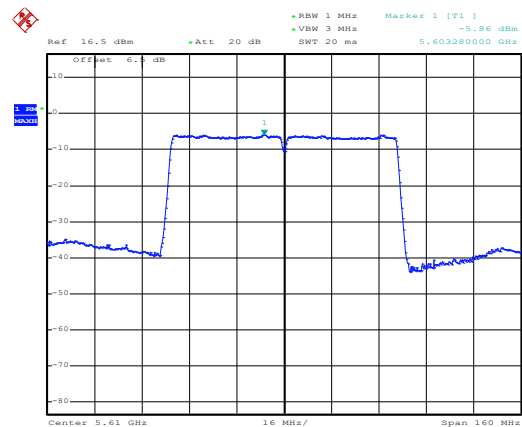
Date: 13.JAN.2020 04:55:46

Lowest channel



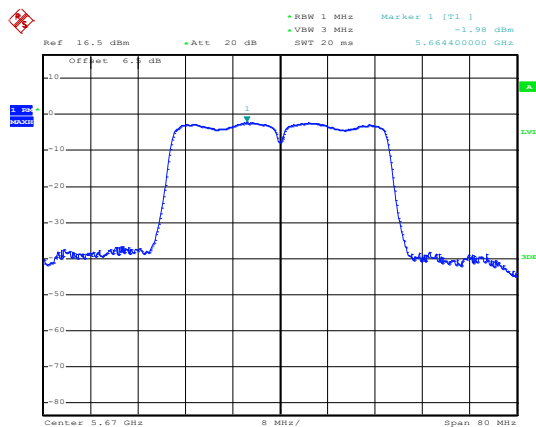
Date: 13.JAN.2020 04:54:27

Middle channel



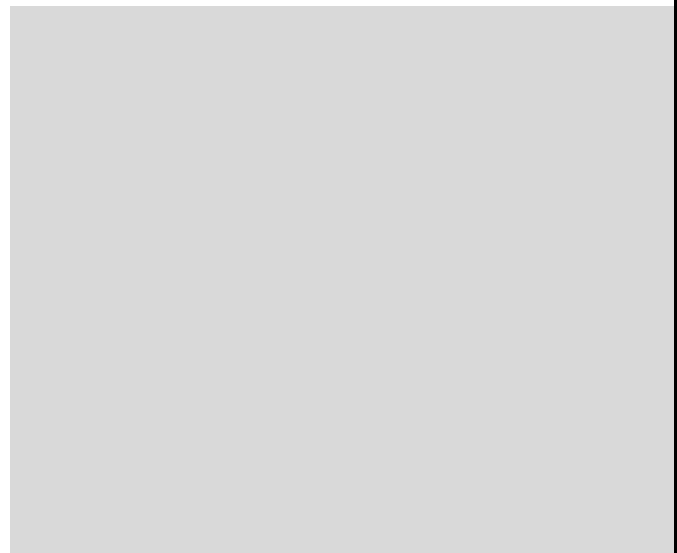
Date: 13.JAN.2020 12:17:39

Middle channel



Date: 13.JAN.2020 04:55:12

Highest channel

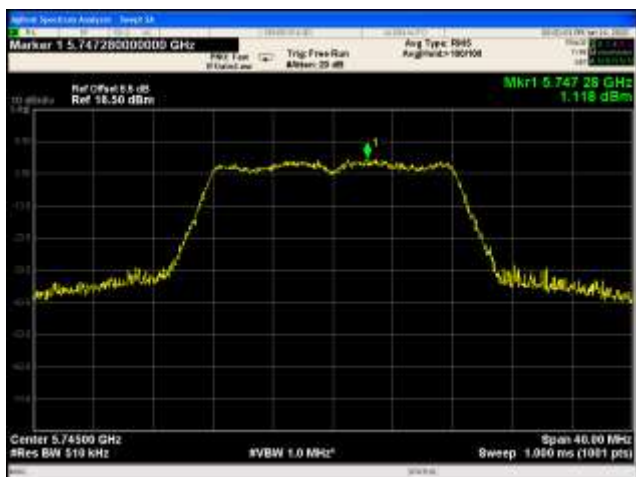


Highest channel

Band 4

802.11a

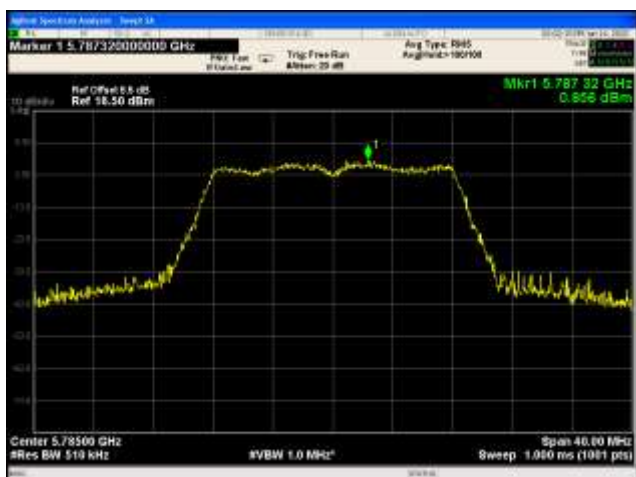
802.11n(HT20)



Lowest channel



Middle channel



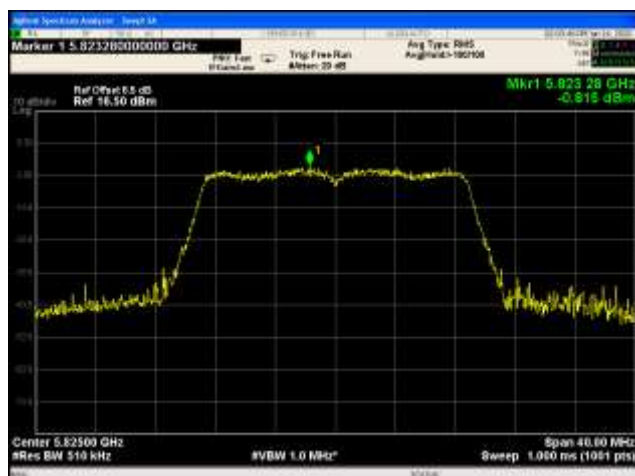
Middle channel



Middle channel

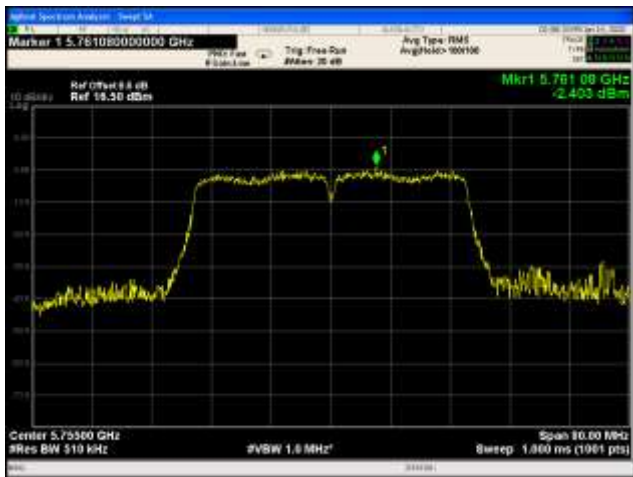


Highest channel



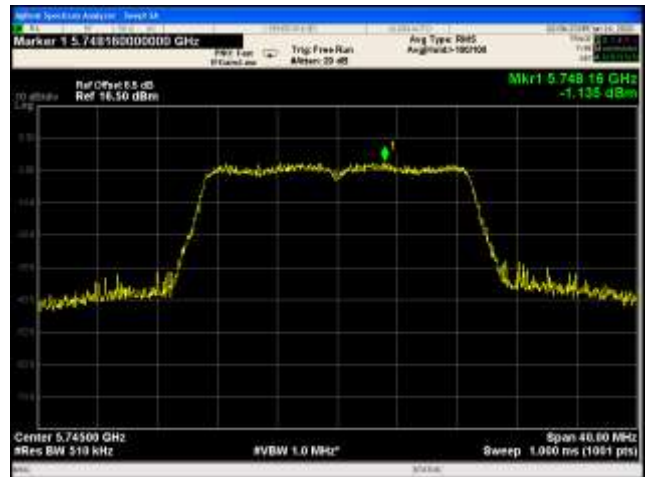
Highest channel

802.11n(HT40)



Lowest channel

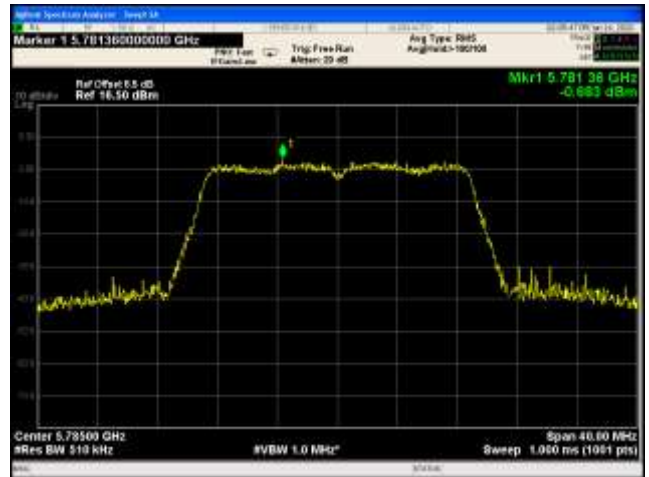
802.11ac(HT20)



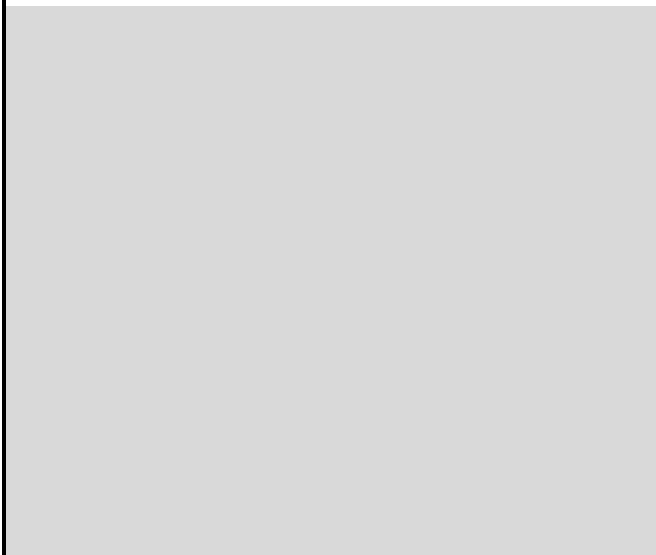
Middle channel



Highest channel

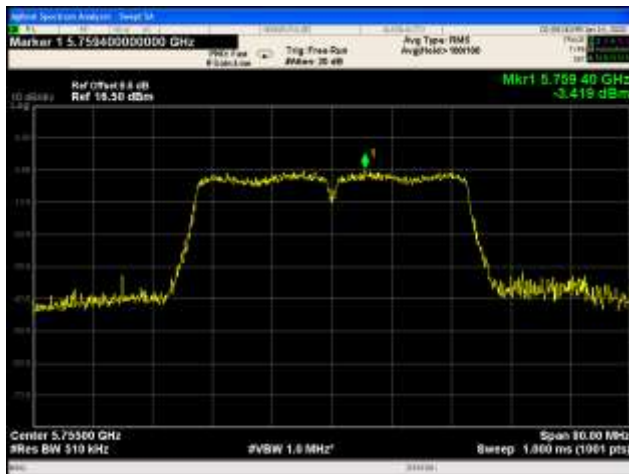


Middle channel



Highest channel

802.11ac(HT40)

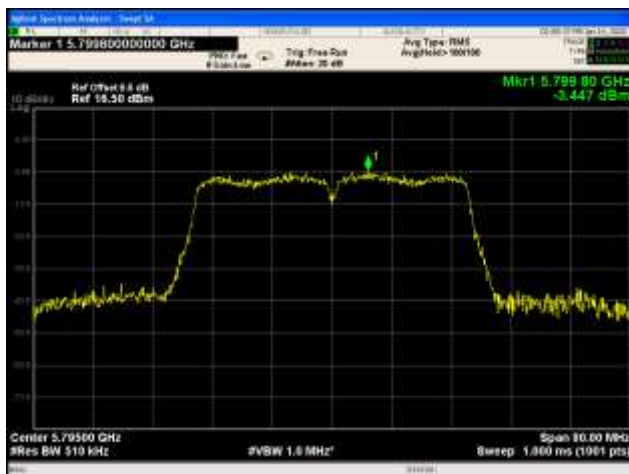


Lowest channel

802.11ac(HT80)

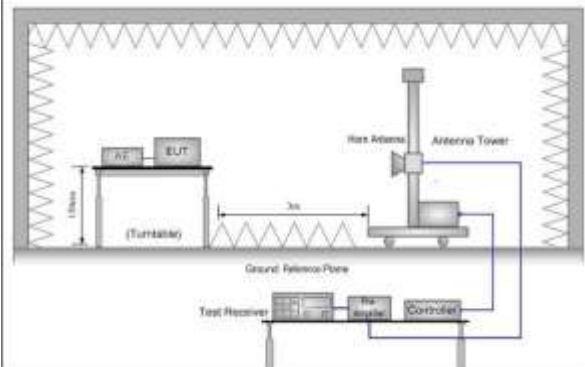


Middle channel



Highest channel

6.6 Band Edge

Test Requirement:	FCC Part 15 E Section 15.407 (b)			
Receiver setup:	Detector	RBW	VBW	Remark
	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	RMS	1MHz	3MHz	Average Value
Limit:	Band	Limit (dBuV/m @3m)		Remark
	Band 1/2/3	68.20		Peak Value
		54.00		Average Value
		Band 4 limit: For transmitters operating in the 5.725-5.85 GHz band: 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. Remark: 1. Band 1/2/3 limit: $E[dB\mu V/m] = EIRP[dBm] + 95.2=68.2 \text{ dBuV/m}$, for $EIPR[dBm]=-27dBm$. 2. Band 4 limit: $E[dB\mu V/m] = EIRP[dBm] + 95.2=68.2 \text{ dBuV/m}$, for $EIPR[dBm]=-27dBm$. $E[dB\mu V/m] = EIRP[dBm] + 95.2=105.2 \text{ dBuV/m}$, for $EIPR[dBm]=10dBm$. $E[dB\mu V/m] = EIRP[dBm] + 95.2=110.8 \text{ dBuV/m}$, for $EIPR[dBm]=15.6dBm$. $E[dB\mu V/m] = EIRP[dBm] + 95.2=122.2 \text{ dBuV/m}$, for $EIPR[dBm]=27dBm$.		
	Test Procedure:	- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - 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. - 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 rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - 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.		
Test setup:				
Test Instruments:	Refer to section 5.10 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Passed			

Measurement Data (worst case):

PCB antenna:

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.10	31.53	7.05	2.54	41.93	48.29	68.20	-19.91	Horizontal
5150.00	47.78	31.53	7.05	2.54	41.93	46.97	68.20	-21.23	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	42.21	31.53	7.05	2.54	41.93	41.40	54.00	-12.60	Horizontal
5150.00	37.88	31.53	7.05	2.54	41.93	37.07	54.00	-16.93	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.56	31.97	7.11	2.61	41.89	44.36	68.20	-23.84	Horizontal
5350.00	44.89	31.97	7.11	2.61	41.89	44.69	68.20	-23.51	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	35.51	31.97	7.11	2.61	41.89	35.31	54.00	-18.69	Horizontal
5350.00	35.19	31.97	7.11	2.61	41.89	34.99	54.00	-19.01	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	48.65	31.53	7.05	2.54	41.93	47.84	68.20	-20.36	Horizontal
5150.00	48.01	31.53	7.05	2.54	41.93	47.20	68.20	-21.00	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	41.73	31.53	7.05	2.54	41.93	40.92	54.00	-13.08	Horizontal
5150.00	38.29	31.53	7.05	2.54	41.93	37.48	54.00	-16.52	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.21	31.97	7.11	2.61	41.89	44.01	68.20	-24.19	Horizontal
5350.00	44.87	31.97	7.11	2.61	41.89	44.67	68.20	-23.53	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	35.26	31.97	7.11	2.61	41.89	35.06	54.00	-18.94	Horizontal
5350.00	35.64	31.97	7.11	2.61	41.89	35.44	54.00	-18.56	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	56.68	31.53	7.05	2.54	41.93	55.87	68.20	-12.33	Horizontal
5150.00	56.19	31.53	7.05	2.54	41.93	55.38	68.20	-12.82	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.16	31.53	7.05	2.54	41.93	45.35	54.00	-8.65	Horizontal
5150.00	46.92	31.53	7.05	2.54	41.93	46.11	54.00	-7.89	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.61	31.97	7.09	2.54	41.93	44.28	68.20	-23.92	Horizontal
5350.00	45.52	31.97	7.09	2.54	41.93	45.19	68.20	-23.01	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	36.89	31.97	7.09	2.54	41.93	36.56	54.00	-17.44	Horizontal
5350.00	37.64	31.97	7.09	2.54	41.93	37.31	54.00	-16.69	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.47	31.53	7.05	2.54	41.93	48.66	68.20	-19.54	Horizontal
5150.00	47.57	31.53	7.05	2.54	41.93	46.76	68.20	-21.44	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	42.55	31.53	7.05	2.54	41.93	41.74	54.00	-12.26	Horizontal
5150.00	38.11	31.53	7.05	2.54	41.93	37.30	54.00	-16.70	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.69	31.97	7.11	2.61	41.89	44.49	68.20	-23.71	Horizontal
5350.00	45.34	31.97	7.11	2.61	41.89	45.14	68.20	-23.06	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	35.74	31.97	7.11	2.61	41.89	35.54	54.00	-18.46	Horizontal
5350.00	35.12	31.97	7.11	2.61	41.89	34.92	54.00	-19.08	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	56.45	31.53	7.05	2.54	41.93	55.64	68.20	-12.56	Horizontal
5150.00	56.39	31.53	7.05	2.54	41.93	55.58	68.20	-12.62	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.64	31.53	7.05	2.54	41.93	45.83	54.00	-8.17	Horizontal
5150.00	47.30	31.53	7.05	2.54	41.93	46.49	54.00	-7.51	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.77	31.97	7.11	2.61	41.89	44.57	68.20	-23.63	Horizontal
5350.00	46.01	31.97	7.11	2.61	41.89	45.81	68.20	-22.39	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.14	31.97	7.11	2.61	41.89	36.94	54.00	-17.06	Horizontal
5350.00	37.62	31.97	7.11	2.61	41.89	37.42	54.00	-16.58	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	55.82	31.53	7.05	2.54	41.93	55.01	68.20	-13.19	Horizontal
5150.00	55.10	31.53	7.05	2.54	41.93	54.29	68.20	-13.91	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.16	31.53	7.05	2.54	41.93	46.35	54.00	-7.65	Horizontal
5150.00	47.17	31.53	7.05	2.54	41.93	46.36	54.00	-7.64	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.16	31.97	7.11	2.61	41.89	43.96	68.20	-24.24	Horizontal
5350.00	43.30	31.97	7.11	2.61	41.89	43.10	68.20	-25.10	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.38	31.97	7.11	2.61	41.89	38.18	54.00	-15.82	Horizontal
5350.00	35.57	31.97	7.11	2.61	41.89	35.37	54.00	-18.63	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2:

Band 2 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.28	31.53	7.05	2.54	41.93	45.47	68.20	-22.73	Horizontal
5150.00	44.51	31.53	7.05	2.54	41.93	43.70	68.20	-24.50	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	40.11	31.53	7.05	2.54	41.93	39.30	54.00	-14.70	Horizontal
5150.00	38.33	31.53	7.05	2.54	41.93	37.52	54.00	-16.48	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	48.87	31.97	7.11	2.61	41.89	48.67	68.20	-19.53	Horizontal
5350.00	49.70	31.97	7.11	2.61	41.89	49.50	68.20	-18.70	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.01	31.97	7.11	2.61	41.89	39.81	54.00	-14.19	Horizontal
5350.00	43.81	31.97	7.11	2.61	41.89	43.61	54.00	-10.39	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.68	31.53	7.05	2.54	41.93	45.87	68.20	-22.33	Horizontal
5150.00	44.32	31.53	7.05	2.54	41.93	43.51	68.20	-24.69	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	40.21	31.53	7.05	2.54	41.93	39.40	54.00	-14.60	Horizontal
5150.00	38.32	31.53	7.05	2.54	41.93	37.51	54.00	-16.49	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	48.88	31.97	7.11	2.61	41.89	48.68	68.20	-19.52	Horizontal
5350.00	50.03	31.97	7.11	2.61	41.89	49.83	68.20	-18.37	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.11	31.97	7.11	2.61	41.89	39.91	54.00	-14.09	Horizontal
5350.00	43.61	31.97	7.11	2.61	41.89	43.41	54.00	-10.59	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	49.47	45.92	7.05	2.54	41.93	63.05	68.20	-5.15	Horizontal
5150.00	49.23	46.18	7.05	2.54	41.93	63.07	68.20	-5.13	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	42.58	42.39	7.05	2.54	41.93	52.63	54.00	-1.37	Horizontal
5150.00	42.35	40.80	7.05	2.54	41.93	50.81	54.00	-3.19	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	62.06	31.97	7.09	2.54	41.93	61.73	68.20	-6.47	Horizontal
5350.00	56.66	31.97	7.09	2.54	41.93	56.33	68.20	-11.87	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	53.21	31.97	7.09	2.54	41.93	52.88	54.00	-1.12	Horizontal
5350.00	48.49	31.97	7.09	2.54	41.93	48.16	54.00	-5.84	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	45.88	31.53	7.05	2.54	41.93	45.07	68.20	-23.13	Horizontal
5150.00	44.04	31.53	7.05	2.54	41.93	43.23	68.20	-24.97	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	40.39	31.53	7.05	2.54	41.93	39.58	54.00	-14.42	Horizontal
5150.00	38.38	31.53	7.05	2.54	41.93	37.57	54.00	-16.43	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	48.73	31.97	7.11	2.61	41.89	48.53	68.20	-19.67	Horizontal
5350.00	50.38	31.97	7.11	2.61	41.89	50.18	68.20	-18.02	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.53	31.97	7.11	2.61	41.89	40.33	54.00	-13.67	Horizontal
5350.00	43.27	31.97	7.11	2.61	41.89	43.07	54.00	-10.93	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.30	31.53	7.05	2.54	41.93	45.49	68.20	-22.71	Horizontal
5150.00	46.14	31.53	7.05	2.54	41.93	45.33	68.20	-22.87	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	42.06	31.53	7.05	2.54	41.93	41.25	54.00	-12.75	Horizontal
5150.00	40.58	31.53	7.05	2.54	41.93	39.77	54.00	-14.23	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	61.58	31.97	7.11	2.61	41.89	61.38	68.20	-6.82	Horizontal
5350.00	56.77	31.97	7.11	2.61	41.89	56.57	68.20	-11.63	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	53.03	31.97	7.11	2.61	41.89	52.83	54.00	-1.17	Horizontal
5350.00	48.42	31.97	7.11	2.61	41.89	48.22	54.00	-5.78	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.62	31.53	7.05	2.54	41.93	45.81	68.20	-22.39	Horizontal
5150.00	44.68	31.53	7.05	2.54	41.93	43.87	68.20	-24.33	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	39.85	31.53	7.05	2.54	41.93	39.04	54.00	-14.96	Horizontal
5150.00	37.86	31.53	7.05	2.54	41.93	37.05	54.00	-16.95	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	57.36	31.97	7.11	2.61	41.89	57.16	68.20	-11.04	Horizontal
5350.00	53.29	31.97	7.11	2.61	41.89	53.09	68.20	-15.11	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	50.85	31.97	7.11	2.61	41.89	50.65	54.00	-3.35	Horizontal
5350.00	44.04	31.97	7.11	2.61	41.89	43.84	54.00	-10.16	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3:

Band 3 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	48.55	32.20	7.19	2.64	41.84	48.74	78.20	-29.46	Horizontal
5470.00	45.40	32.20	7.19	2.64	41.84	45.59	78.20	-32.61	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	40.64	32.20	7.19	2.64	41.84	40.83	54.00	-13.17	Horizontal
5470.00	38.53	32.20	7.19	2.64	41.84	38.72	54.00	-15.28	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	46.80	32.40	7.69	2.72	41.94	47.67	78.20	-30.53	Horizontal
5725.00	44.54	32.40	7.69	2.72	41.94	45.41	78.20	-32.79	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	39.16	32.40	7.69	2.72	41.94	40.03	54.00	-13.97	Horizontal
5725.00	38.98	32.40	7.69	2.72	41.94	39.85	54.00	-14.15	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	48.99	32.20	7.19	2.64	41.84	49.18	78.20	-29.02	Horizontal
5470.00	45.25	32.20	7.19	2.64	41.84	45.44	78.20	-32.76	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	40.78	32.20	7.19	2.64	41.84	40.97	54.00	-13.03	Horizontal
5470.00	38.57	32.20	7.19	2.64	41.84	38.76	54.00	-15.24	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	46.45	32.40	7.69	2.72	41.94	47.32	78.20	-30.88	Horizontal
5725.00	44.51	32.40	7.69	2.72	41.94	45.38	78.20	-32.82	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	38.91	32.40	7.69	2.72	41.94	39.78	54.00	-14.22	Horizontal
5725.00	39.42	32.40	7.69	2.72	41.94	40.29	54.00	-13.71	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	55.61	32.20	7.19	2.64	41.84	55.80	78.20	-22.40	Horizontal
5470.00	51.20	32.20	7.19	2.64	41.84	51.39	78.20	-26.81	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	46.25	32.20	7.19	2.64	41.84	46.44	54.00	-7.56	Horizontal
5470.00	46.51	32.20	7.19	2.64	41.84	46.70	54.00	-7.30	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	46.78	32.40	7.69	2.72	41.94	47.65	78.20	-30.55	Horizontal
5725.00	46.20	32.40	7.69	2.72	41.94	47.07	78.20	-31.13	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	41.44	32.40	7.69	2.72	41.94	42.31	54.00	-11.69	Horizontal
5725.00	40.51	32.40	7.69	2.72	41.94	41.38	54.00	-12.62	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	48.50	32.20	7.19	2.64	41.84	48.69	78.20	-29.51	Horizontal
5470.00	45.27	32.20	7.19	2.64	41.84	45.46	78.20	-32.74	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	40.26	32.20	7.19	2.64	41.84	40.45	54.00	-13.55	Horizontal
5470.00	38.93	32.20	7.19	2.64	41.84	39.12	54.00	-14.88	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	46.53	32.40	7.69	2.72	41.94	47.40	78.20	-30.80	Horizontal
5725.00	44.76	32.40	7.69	2.72	41.94	45.63	78.20	-32.57	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	39.65	32.40	7.69	2.72	41.94	40.52	54.00	-13.48	Horizontal
5725.00	38.70	32.40	7.69	2.72	41.94	39.57	54.00	-14.43	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	56.05	32.20	7.19	2.64	41.84	56.24	78.20	-21.96	Horizontal
5470.00	51.07	32.20	7.19	2.64	41.84	51.26	78.20	-26.94	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	46.39	32.20	7.19	2.64	41.84	46.58	54.00	-7.42	Horizontal
5470.00	46.56	32.20	7.19	2.64	41.84	46.75	54.00	-7.25	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	47.06	32.40	7.69	2.72	41.94	47.93	78.20	-30.27	Horizontal
5725.00	45.80	32.40	7.69	2.72	41.94	46.67	78.20	-31.53	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	41.82	32.40	7.69	2.72	41.94	42.69	54.00	-11.31	Horizontal
5725.00	40.58	32.40	7.69	2.72	41.94	41.45	54.00	-12.55	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	56.84	32.20	7.19	2.64	41.84	57.03	78.20	-21.17	Horizontal
5470.00	58.89	32.20	7.19	2.64	41.84	59.08	78.20	-19.12	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	47.92	32.20	7.19	2.64	41.84	48.11	54.00	-5.89	Horizontal
5470.00	50.01	32.20	7.19	2.64	41.84	50.20	54.00	-3.80	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	47.83	32.40	7.69	2.72	41.94	48.70	78.20	-29.50	Horizontal
5725.00	46.08	32.40	7.69	2.72	41.94	46.95	78.20	-31.25	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	42.47	32.40	7.69	2.72	41.94	43.34	54.00	-10.66	Horizontal
5725.00	40.29	32.40	7.69	2.72	41.94	41.16	54.00	-12.84	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.13	32.37	7.45	2.69	41.85	47.79	68.20	-20.41	Horizontal
5700.00	47.15	32.39	7.60	2.72	41.90	47.96	105.20	-57.24	Horizontal
5720.00	49.46	32.39	7.64	2.72	41.92	50.29	110.80	-60.51	Horizontal
5725.00	61.13	32.39	7.69	2.72	41.94	61.99	122.20	-60.21	Horizontal
5650.00	46.75	32.37	7.45	2.69	41.85	47.41	68.20	-20.79	Vertical
5700.00	47.48	32.39	7.60	2.72	41.90	48.29	105.20	-56.91	Vertical
5720.00	51.30	32.39	7.64	2.72	41.92	52.13	110.80	-58.67	Vertical
5725.00	58.18	32.39	7.69	2.72	41.94	59.04	122.20	-63.16	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.54	32.44	7.90	2.69	42.03	54.54	122.20	-67.66	Horizontal
5855.00	47.30	32.44	7.90	2.72	42.03	48.33	110.80	-62.47	Horizontal
5875.00	47.06	32.45	7.91	2.72	42.03	48.11	105.20	-57.09	Horizontal
5925.00	46.37	32.47	7.92	2.72	42.04	47.44	68.20	-20.76	Horizontal
5850.00	48.85	32.44	7.90	2.69	42.03	49.85	122.20	-72.35	Vertical
5855.00	47.66	32.44	7.90	2.72	42.03	48.69	110.80	-62.11	Vertical
5875.00	47.09	32.45	7.91	2.72	42.03	48.14	105.20	-57.06	Vertical
5925.00	47.05	32.47	7.92	2.72	42.04	48.12	68.20	-20.08	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.48	32.37	7.45	2.69	41.85	48.14	68.20	-20.06	Horizontal
5700.00	46.93	32.39	7.60	2.72	41.90	47.74	105.20	-57.46	Horizontal
5720.00	49.52	32.39	7.64	2.72	41.92	50.35	110.80	-60.45	Horizontal
5725.00	61.08	32.39	7.69	2.72	41.94	61.94	122.20	-60.26	Horizontal
5650.00	47.01	32.37	7.45	2.69	41.85	47.67	68.20	-20.53	Vertical
5700.00	47.08	32.39	7.60	2.72	41.90	47.89	105.20	-57.31	Vertical
5720.00	51.66	32.39	7.64	2.72	41.92	52.49	110.80	-58.31	Vertical
5725.00	58.24	32.39	7.69	2.72	41.94	59.10	122.20	-63.10	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.18	32.44	7.90	2.69	42.03	54.18	122.20	-68.02	Horizontal
5855.00	47.43	32.44	7.90	2.72	42.03	48.46	110.80	-62.34	Horizontal
5875.00	47.46	32.45	7.91	2.72	42.03	48.51	105.20	-56.69	Horizontal
5925.00	46.00	32.47	7.92	2.72	42.04	47.07	68.20	-21.13	Horizontal
5850.00	48.5	32.44	7.90	2.69	42.03	49.50	122.20	-72.70	Vertical
5855.00	47.24	32.44	7.90	2.72	42.03	48.27	110.80	-62.53	Vertical
5875.00	47.42	32.45	7.91	2.72	42.03	48.47	105.20	-56.73	Vertical
5925.00	47.16	32.47	7.92	2.72	42.04	48.23	68.20	-19.97	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	46.44	32.37	7.45	2.69	41.85	47.10	68.20	-21.10	Horizontal
5700.00	47.87	32.39	7.60	2.72	41.90	48.68	105.20	-56.52	Horizontal
5720.00	53.33	32.39	7.64	2.72	41.92	54.16	110.80	-56.64	Horizontal
5725.00	58.21	32.39	7.69	2.72	41.94	59.07	122.20	-63.13	Horizontal
5650.00	46.06	32.37	7.45	2.69	41.85	46.72	68.20	-21.48	Vertical
5700.00	47.37	32.39	7.60	2.72	41.90	48.18	105.20	-57.02	Vertical
5720.00	48.67	32.39	7.64	2.72	41.92	49.50	110.80	-61.30	Vertical
5725.00	55.36	32.39	7.69	2.72	41.94	56.22	122.20	-65.98	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.18	32.44	7.90	2.69	42.03	54.18	122.20	-68.02	Horizontal
5855.00	50.16	32.44	7.90	2.72	42.03	51.19	110.80	-59.61	Horizontal
5875.00	50.15	32.45	7.91	2.72	42.03	51.20	105.20	-54.00	Horizontal
5925.00	49.25	32.47	7.92	2.72	42.04	50.32	68.20	-17.88	Horizontal
5850.00	55.31	32.44	7.90	2.69	42.03	56.31	122.20	-65.89	Vertical
5855.00	52.28	32.44	7.90	2.72	42.03	53.31	110.80	-57.49	Vertical
5875.00	48.54	32.45	7.91	2.72	42.03	49.59	105.20	-55.61	Vertical
5925.00	48.22	32.47	7.92	2.72	42.04	49.29	68.20	-18.91	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.55	32.37	7.45	2.69	41.85	48.21	68.20	-19.99	Horizontal
5700.00	46.99	32.39	7.60	2.72	41.90	47.80	105.20	-57.40	Horizontal
5720.00	49.57	32.39	7.64	2.72	41.92	50.40	110.80	-60.40	Horizontal
5725.00	61.15	32.39	7.69	2.72	41.94	62.01	122.20	-60.19	Horizontal
5650.00	47.08	32.37	7.45	2.69	41.85	47.74	68.20	-20.46	Vertical
5700.00	47.13	32.39	7.60	2.72	41.90	47.94	105.20	-57.26	Vertical
5720.00	51.72	32.39	7.64	2.72	41.92	52.55	110.80	-58.25	Vertical
5725.00	58.31	32.39	7.69	2.72	41.94	59.17	122.20	-63.03	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.16	32.44	7.90	2.69	42.03	54.16	122.20	-68.04	Horizontal
5855.00	47.41	32.44	7.90	2.72	42.03	48.44	110.80	-62.36	Horizontal
5875.00	47.44	32.45	7.91	2.72	42.03	48.49	105.20	-56.71	Horizontal
5925.00	45.98	32.47	7.92	2.72	42.04	47.05	68.20	-21.15	Horizontal
5850.00	49.22	32.44	7.90	2.69	42.03	50.22	122.20	-71.98	Vertical
5855.00	47.96	32.44	7.90	2.72	42.03	48.99	110.80	-61.81	Vertical
5875.00	47.14	32.45	7.91	2.72	42.03	48.19	105.20	-57.01	Vertical
5925.00	46.87	32.47	7.92	2.72	42.04	47.94	68.20	-20.26	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	46.60	32.37	7.45	2.69	41.85	47.26	68.20	-20.94	Horizontal
5700.00	47.62	32.39	7.60	2.72	41.90	48.43	105.20	-56.77	Horizontal
5720.00	53.80	32.39	7.64	2.72	41.92	54.63	110.80	-56.17	Horizontal
5725.00	57.96	32.39	7.69	2.72	41.94	58.82	122.20	-63.38	Horizontal
5650.00	46.50	32.37	7.45	2.69	41.85	47.16	68.20	-21.04	Vertical
5700.00	47.49	32.39	7.60	2.72	41.90	48.30	105.20	-56.90	Vertical
5720.00	49.02	32.39	7.64	2.72	41.92	49.85	110.80	-60.95	Vertical
5725.00	55.00	32.39	7.69	2.72	41.94	55.86	122.20	-66.34	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.57	32.44	7.90	2.69	42.03	54.57	122.20	-67.63	Horizontal
5855.00	50.06	32.44	7.90	2.72	42.03	51.09	110.80	-59.71	Horizontal
5875.00	49.80	32.45	7.91	2.72	42.03	50.85	105.20	-54.35	Horizontal
5925.00	49.66	32.47	7.92	2.72	42.04	50.73	68.20	-17.47	Horizontal
5850.00	55.69	32.44	7.90	2.69	42.03	56.69	122.20	-65.51	Vertical
5855.00	52.73	32.44	7.90	2.72	42.03	53.76	110.80	-57.04	Vertical
5875.00	48.25	32.45	7.91	2.72	42.03	49.30	105.20	-55.90	Vertical
5925.00	48.16	32.47	7.92	2.72	42.04	49.23	68.20	-18.97	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.42	32.37	7.45	2.69	41.85	48.08	68.20	-20.12	Horizontal
5700.00	56.12	32.39	7.60	2.72	41.90	56.93	105.20	-48.27	Horizontal
5720.00	54.74	32.39	7.64	2.72	41.92	55.57	110.80	-55.23	Horizontal
5725.00	54.98	32.39	7.69	2.72	41.94	55.84	122.20	-66.36	Horizontal
5650.00	46.32	32.37	7.45	2.69	41.85	46.98	68.20	-21.22	Vertical
5700.00	43.04	32.39	7.60	2.72	41.90	43.85	105.20	-61.35	Vertical
5720.00	54.41	32.39	7.64	2.72	41.92	55.24	110.80	-55.56	Vertical
5725.00	55.17	32.39	7.69	2.72	41.94	56.03	122.20	-66.17	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	56.63	32.44	7.90	2.69	42.03	57.63	122.20	-64.57	Horizontal
5855.00	56.13	32.44	7.90	2.72	42.03	57.16	110.80	-53.64	Horizontal
5875.00	54.33	32.45	7.91	2.72	42.03	55.38	105.20	-49.82	Horizontal
5925.00	49.26	32.47	7.92	2.72	42.04	50.33	68.20	-17.87	Horizontal
5850.00	53.38	32.44	7.90	2.69	42.03	54.38	122.20	-67.82	Vertical
5855.00	51.35	32.44	7.90	2.72	42.03	52.38	110.80	-58.42	Vertical
5875.00	49.36	32.45	7.91	2.72	42.03	50.41	105.20	-54.79	Vertical
5925.00	47.21	32.47	7.92	2.72	42.04	48.28	68.20	-19.92	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Rod antenna:

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	46.92	31.53	7.05	2.54	41.93	46.11	68.20	-22.09	Horizontal
5150.00	51.92	31.53	7.05	2.54	41.93	51.11	68.20	-17.09	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.64	31.53	7.05	2.54	41.93	37.83	54.00	-16.17	Horizontal
5150.00	42.83	31.53	7.05	2.54	41.93	42.02	54.00	-11.98	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.32	31.97	7.11	2.61	41.89	45.12	68.20	-23.08	Horizontal
5350.00	44.65	31.97	7.11	2.61	41.89	44.45	68.20	-23.75	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.20	31.97	7.11	2.61	41.89	38.00	54.00	-16.00	Horizontal
5350.00	38.59	31.97	7.11	2.61	41.89	38.39	54.00	-15.61	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.09	31.53	7.05	2.54	41.93	46.28	68.20	-21.92	Horizontal
5150.00	51.50	31.53	7.05	2.54	41.93	50.69	68.20	-17.51	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.51	31.53	7.05	2.54	41.93	37.70	54.00	-16.30	Horizontal
5150.00	42.59	31.53	7.05	2.54	41.93	41.78	54.00	-12.22	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.92	31.97	7.11	2.61	41.89	44.72	68.20	-23.48	Horizontal
5350.00	44.40	31.97	7.11	2.61	41.89	44.20	68.20	-24.00	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.72	31.97	7.11	2.61	41.89	37.52	54.00	-16.48	Horizontal
5350.00	38.81	31.97	7.11	2.61	41.89	38.61	54.00	-15.39	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	45.20	31.53	7.05	2.54	41.93	44.39	68.20	-23.81	Horizontal
5150.00	48.88	31.53	7.05	2.54	41.93	48.07	68.20	-20.13	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.54	31.53	7.05	2.54	41.93	37.73	54.00	-16.27	Horizontal
5150.00	40.37	31.53	7.05	2.54	41.93	39.56	54.00	-14.44	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.86	31.97	7.09	2.54	41.93	44.53	68.20	-23.67	Horizontal
5350.00	43.58	31.97	7.09	2.54	41.93	43.25	68.20	-24.95	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.43	31.97	7.09	2.54	41.93	37.10	54.00	-16.90	Horizontal
5350.00	38.67	31.97	7.09	2.54	41.93	38.34	54.00	-15.66	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.28	31.53	7.05	2.54	41.93	46.47	68.20	-21.73	Horizontal
5150.00	51.60	31.53	7.05	2.54	41.93	50.79	68.20	-17.41	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.59	31.53	7.05	2.54	41.93	37.78	54.00	-16.22	Horizontal
5150.00	43.01	31.53	7.05	2.54	41.93	42.20	54.00	-11.80	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.97	31.97	7.11	2.61	41.89	44.77	68.20	-23.43	Horizontal
5350.00	44.72	31.97	7.11	2.61	41.89	44.52	68.20	-23.68	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.55	31.97	7.11	2.61	41.89	38.35	54.00	-15.65	Horizontal
5350.00	38.84	31.97	7.11	2.61	41.89	38.64	54.00	-15.36	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	48.82	31.53	7.05	2.54	41.93	48.01	68.20	-20.19	Horizontal
5150.00	59.35	31.53	7.05	2.54	41.93	58.54	68.20	-9.66	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	43.58	31.53	7.05	2.54	41.93	42.77	54.00	-11.23	Horizontal
5150.00	50.77	31.53	7.05	2.54	41.93	49.96	54.00	-4.04	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.96	31.97	7.11	2.61	41.89	44.76	68.20	-23.44	Horizontal
5350.00	44.54	31.97	7.11	2.61	41.89	44.34	68.20	-23.86	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	37.51	31.97	7.11	2.61	41.89	37.31	54.00	-16.69	Horizontal
5350.00	37.22	31.97	7.11	2.61	41.89	37.02	54.00	-16.98	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	55.82	31.53	7.05	2.54	41.93	55.01	68.20	-13.19	Horizontal
5150.00	55.10	31.53	7.05	2.54	41.93	54.29	68.20	-13.91	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	47.16	31.53	7.05	2.54	41.93	46.35	54.00	-7.65	Horizontal
5150.00	47.17	31.53	7.05	2.54	41.93	46.36	54.00	-7.64	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	44.16	31.97	7.11	2.61	41.89	43.96	68.20	-24.24	Horizontal
5350.00	43.30	31.97	7.11	2.61	41.89	43.10	68.20	-25.10	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.38	31.97	7.11	2.61	41.89	38.18	54.00	-15.82	Horizontal
5350.00	35.57	31.97	7.11	2.61	41.89	35.37	54.00	-18.63	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2:

Band 2 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	45.12	31.53	7.05	2.54	41.93	44.31	68.20	-23.89	Horizontal
5150.00	45.19	31.53	7.05	2.54	41.93	44.38	68.20	-23.82	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.54	31.53	7.05	2.54	41.93	37.73	54.00	-16.27	Horizontal
5150.00	38.40	31.53	7.05	2.54	41.93	37.59	54.00	-16.41	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	46.14	31.97	7.11	2.61	41.89	45.94	68.20	-22.26	Horizontal
5350.00	50.58	31.97	7.11	2.61	41.89	50.38	68.20	-17.82	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.95	31.97	7.11	2.61	41.89	38.75	54.00	-15.25	Horizontal
5350.00	44.00	31.97	7.11	2.61	41.89	43.80	54.00	-10.20	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	45.40	31.53	7.05	2.54	41.93	44.59	68.20	-23.61	Horizontal
5150.00	44.89	31.53	7.05	2.54	41.93	44.08	68.20	-24.12	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.52	31.53	7.05	2.54	41.93	37.71	54.00	-16.29	Horizontal
5150.00	38.28	31.53	7.05	2.54	41.93	37.47	54.00	-16.53	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.89	31.97	7.11	2.61	41.89	45.69	68.20	-22.51	Horizontal
5350.00	50.65	31.97	7.11	2.61	41.89	50.45	68.20	-17.75	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	38.53	31.97	7.11	2.61	41.89	38.33	54.00	-15.67	Horizontal
5350.00	44.27	31.97	7.11	2.61	41.89	44.07	54.00	-9.93	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	44.77	45.92	7.05	2.54	41.93	58.35	68.20	-9.85	Horizontal
5150.00	45.68	46.18	7.05	2.54	41.93	59.52	68.20	-8.68	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.26	42.39	7.05	2.54	41.93	48.31	54.00	-5.69	Horizontal
5150.00	38.71	40.80	7.05	2.54	41.93	47.17	54.00	-6.83	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	53.21	31.97	7.09	2.54	41.93	52.88	68.20	-15.32	Horizontal
5350.00	60.08	31.97	7.09	2.54	41.93	59.75	68.20	-8.45	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.70	31.97	7.09	2.54	41.93	45.37	54.00	-8.63	Horizontal
5350.00	51.03	31.97	7.09	2.54	41.93	50.70	54.00	-3.30	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	44.80	31.53	7.05	2.54	41.93	43.99	68.20	-24.21	Horizontal
5150.00	45.36	31.53	7.05	2.54	41.93	44.55	68.20	-23.65	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.98	31.53	7.05	2.54	41.93	38.17	54.00	-15.83	Horizontal
5150.00	38.07	31.53	7.05	2.54	41.93	37.26	54.00	-16.74	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.91	31.97	7.11	2.61	41.89	45.71	68.20	-22.49	Horizontal
5350.00	50.28	31.97	7.11	2.61	41.89	50.08	68.20	-18.12	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	39.40	31.97	7.11	2.61	41.89	39.20	54.00	-14.80	Horizontal
5350.00	44.22	31.97	7.11	2.61	41.89	44.02	54.00	-9.98	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	44.62	31.53	7.05	2.54	41.93	43.81	68.20	-24.39	Horizontal
5150.00	44.97	31.53	7.05	2.54	41.93	44.16	68.20	-24.04	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.77	31.53	7.05	2.54	41.93	37.96	54.00	-16.04	Horizontal
5150.00	38.02	31.53	7.05	2.54	41.93	37.21	54.00	-16.79	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	52.77	31.97	7.11	2.61	41.89	52.57	68.20	-15.63	Horizontal
5350.00	60.22	31.97	7.11	2.61	41.89	60.02	68.20	-8.18	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	45.82	31.97	7.11	2.61	41.89	45.62	54.00	-8.38	Horizontal
5350.00	51.26	31.97	7.11	2.61	41.89	51.06	54.00	-2.94	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	44.34	31.53	7.05	2.54	41.93	43.53	68.20	-24.67	Horizontal
5150.00	45.66	31.53	7.05	2.54	41.93	44.85	68.20	-23.35	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5150.00	38.34	31.53	7.05	2.54	41.93	37.53	54.00	-16.47	Horizontal
5150.00	38.69	31.53	7.05	2.54	41.93	37.88	54.00	-16.12	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	46.86	31.97	7.11	2.61	41.89	46.66	68.20	-21.54	Horizontal
5350.00	55.68	31.97	7.11	2.61	41.89	55.48	68.20	-12.72	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5350.00	40.15	31.97	7.11	2.61	41.89	39.95	54.00	-14.05	Horizontal
5350.00	48.56	31.97	7.11	2.61	41.89	48.36	54.00	-5.64	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3:

Band 3 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	45.45	32.20	7.19	2.64	41.84	45.64	78.20	-32.56	Horizontal
5470.00	46.29	32.20	7.19	2.64	41.84	46.48	78.20	-31.72	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	38.51	32.20	7.19	2.64	41.84	38.70	54.00	-15.30	Horizontal
5470.00	38.34	32.20	7.19	2.64	41.84	38.53	54.00	-15.47	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	48.66	32.40	7.69	2.72	41.94	49.53	78.20	-28.67	Horizontal
5725.00	54.19	32.40	7.69	2.72	41.94	55.06	78.20	-23.14	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	40.57	32.40	7.69	2.72	41.94	41.44	54.00	-12.56	Horizontal
5725.00	44.69	32.40	7.69	2.72	41.94	45.56	54.00	-8.44	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	45.76	32.20	7.19	2.64	41.84	45.95	78.20	-32.25	Horizontal
5470.00	46.02	32.20	7.19	2.64	41.84	46.21	78.20	-31.99	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	38.52	32.20	7.19	2.64	41.84	38.71	54.00	-15.29	Horizontal
5470.00	38.25	32.20	7.19	2.64	41.84	38.44	54.00	-15.56	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	48.74	32.40	7.69	2.72	41.94	49.61	78.20	-28.59	Horizontal
5725.00	53.77	32.40	7.69	2.72	41.94	54.64	78.20	-23.56	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	40.41	32.40	7.69	2.72	41.94	41.28	54.00	-12.72	Horizontal
5725.00	44.76	32.40	7.69	2.72	41.94	45.63	54.00	-8.37	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	46.22	32.20	7.19	2.64	41.84	46.41	78.20	-31.79	Horizontal
5470.00	46.33	32.20	7.19	2.64	41.84	46.52	78.20	-31.68	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	38.05	32.20	7.19	2.64	41.84	38.24	54.00	-15.76	Horizontal
5470.00	38.45	32.20	7.19	2.64	41.84	38.64	54.00	-15.36	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	47.36	32.40	7.69	2.72	41.94	48.23	78.20	-29.97	Horizontal
5725.00	49.71	32.40	7.69	2.72	41.94	50.58	78.20	-27.62	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	41.78	32.40	7.69	2.72	41.94	42.65	54.00	-11.35	Horizontal
5725.00	42.97	32.40	7.69	2.72	41.94	43.84	54.00	-10.16	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	46.19	32.20	7.19	2.64	41.84	46.38	78.20	-31.82	Horizontal
5470.00	45.78	32.20	7.19	2.64	41.84	45.97	78.20	-32.23	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	38.78	32.20	7.19	2.64	41.84	38.97	54.00	-15.03	Horizontal
5470.00	38.22	32.20	7.19	2.64	41.84	38.41	54.00	-15.59	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	48.48	32.40	7.69	2.72	41.94	49.35	78.20	-28.85	Horizontal
5725.00	53.44	32.40	7.69	2.72	41.94	54.31	78.20	-23.89	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	40.83	32.40	7.69	2.72	41.94	41.70	54.00	-12.30	Horizontal
5725.00	44.95	32.40	7.69	2.72	41.94	45.82	54.00	-8.18	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	46.84	32.20	7.19	2.64	41.84	47.03	78.20	-31.17	Horizontal
5470.00	57.12	32.20	7.19	2.64	41.84	57.31	78.20	-20.89	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	40.43	32.20	7.19	2.64	41.84	40.62	54.00	-13.38	Horizontal
5470.00	50.62	32.20	7.19	2.64	41.84	50.81	54.00	-3.19	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	47.82	32.40	7.69	2.72	41.94	48.69	78.20	-29.51	Horizontal
5725.00	49.75	32.40	7.69	2.72	41.94	50.62	78.20	-27.58	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	41.54	32.40	7.69	2.72	41.94	42.41	54.00	-11.59	Horizontal
5725.00	42.83	32.40	7.69	2.72	41.94	43.70	54.00	-10.30	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	56.24	32.20	7.19	2.64	41.84	56.43	78.20	-21.77	Horizontal
5470.00	61.38	32.20	7.19	2.64	41.84	61.57	78.20	-16.63	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5470.00	50.51	32.20	7.19	2.64	41.84	50.70	54.00	-3.30	Horizontal
5470.00	52.59	32.20	7.19	2.64	41.84	52.78	54.00	-1.22	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	47.65	32.40	7.69	2.72	41.94	48.52	78.20	-29.68	Horizontal
5725.00	49.42	32.40	7.69	2.72	41.94	50.29	78.20	-27.91	Vertical
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5725.00	41.77	32.40	7.69	2.72	41.94	42.64	54.00	-11.36	Horizontal
5725.00	42.86	32.40	7.69	2.72	41.94	43.73	54.00	-10.27	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	46.84	32.37	7.45	2.69	41.85	47.50	68.20	-20.70	Horizontal
5700.00	47.35	32.39	7.60	2.72	41.90	48.16	105.20	-57.04	Horizontal
5720.00	48.78	32.39	7.64	2.72	41.92	49.61	110.80	-61.19	Horizontal
5725.00	58.63	32.39	7.69	2.72	41.94	59.49	122.20	-62.71	Horizontal
5650.00	46.75	32.37	7.45	2.69	41.85	47.41	68.20	-20.79	Vertical
5700.00	47.48	32.39	7.60	2.72	41.90	48.29	105.20	-56.91	Vertical
5720.00	51.30	32.39	7.64	2.72	41.92	52.13	110.80	-58.67	Vertical
5725.00	58.18	32.39	7.69	2.72	41.94	59.04	122.20	-63.16	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	55.75	32.44	7.90	2.69	42.03	56.75	122.20	-65.45	Horizontal
5855.00	48.65	32.44	7.90	2.72	42.03	49.68	110.80	-61.12	Horizontal
5875.00	47.15	32.45	7.91	2.72	42.03	48.20	105.20	-57.00	Horizontal
5925.00	47.18	32.47	7.92	2.72	42.04	48.25	68.20	-19.95	Horizontal
5850.00	62.33	32.44	7.90	2.69	42.03	63.33	122.20	-58.87	Vertical
5855.00	49.64	32.44	7.90	2.72	42.03	50.67	110.80	-60.13	Vertical
5875.00	48.57	32.45	7.91	2.72	42.03	49.62	105.20	-55.58	Vertical
5925.00	47.78	32.47	7.92	2.72	42.04	48.85	68.20	-19.35	Vertical
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.33	32.37	7.45	2.69	41.85	47.99	68.20	-20.21	Horizontal
5700.00	47.26	32.39	7.60	2.72	41.90	48.07	105.20	-57.13	Horizontal
5720.00	48.97	32.39	7.64	2.72	41.92	49.80	110.80	-61.00	Horizontal
5725.00	58.72	32.39	7.69	2.72	41.94	59.58	122.20	-62.62	Horizontal
5650.00	47.16	32.37	7.45	2.69	41.85	47.82	68.20	-20.38	Vertical
5700.00	47.21	32.39	7.60	2.72	41.90	48.02	105.20	-57.18	Vertical
5720.00	51.79	32.39	7.64	2.72	41.92	52.62	110.80	-58.18	Vertical
5725.00	58.38	32.39	7.69	2.72	41.94	59.24	122.20	-62.96	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	55.81	32.44	7.90	2.69	42.03	56.81	122.20	-65.39	Horizontal
5855.00	48.22	32.44	7.90	2.72	42.03	49.25	110.80	-61.55	Horizontal
5875.00	46.97	32.45	7.91	2.72	42.03	48.02	105.20	-57.18	Horizontal
5925.00	47.23	32.47	7.92	2.72	42.04	48.30	68.20	-19.90	Horizontal
5850.00	62.41	32.44	7.90	2.69	42.03	63.41	122.20	-58.79	Vertical
5855.00	49.66	32.44	7.90	2.72	42.03	50.69	110.80	-60.11	Vertical
5875.00	48.33	32.45	7.91	2.72	42.03	49.38	105.20	-55.82	Vertical
5925.00	47.31	32.47	7.92	2.72	42.04	48.38	68.20	-19.82	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	46.90	32.37	7.45	2.69	41.85	47.56	68.20	-20.64	Horizontal
5700.00	47.55	32.39	7.60	2.72	41.90	48.36	105.20	-56.84	Horizontal
5720.00	48.53	32.39	7.64	2.72	41.92	49.36	110.80	-61.44	Horizontal
5725.00	57.04	32.39	7.69	2.72	41.94	57.90	122.20	-64.30	Horizontal
5650.00	46.49	32.37	7.45	2.69	41.85	47.15	68.20	-21.05	Vertical
5700.00	51.38	32.39	7.60	2.72	41.90	52.19	105.20	-53.01	Vertical
5720.00	57.73	32.39	7.64	2.72	41.92	58.56	110.80	-52.24	Vertical
5725.00	65.95	32.39	7.69	2.72	41.94	66.81	122.20	-55.39	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.51	32.44	7.90	2.69	42.03	54.51	122.20	-67.69	Horizontal
5855.00	47.84	32.44	7.90	2.72	42.03	48.87	110.80	-61.93	Horizontal
5875.00	47.98	32.45	7.91	2.72	42.03	49.03	105.20	-56.17	Horizontal
5925.00	46.92	32.47	7.92	2.72	42.04	47.99	68.20	-20.21	Horizontal
5850.00	59.81	32.44	7.90	2.69	42.03	60.81	122.20	-61.39	Vertical
5855.00	58.52	32.44	7.90	2.72	42.03	59.55	110.80	-51.25	Vertical
5875.00	51.53	32.45	7.91	2.72	42.03	52.58	105.20	-52.62	Vertical
5925.00	48.37	32.47	7.92	2.72	42.04	49.44	68.20	-18.76	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

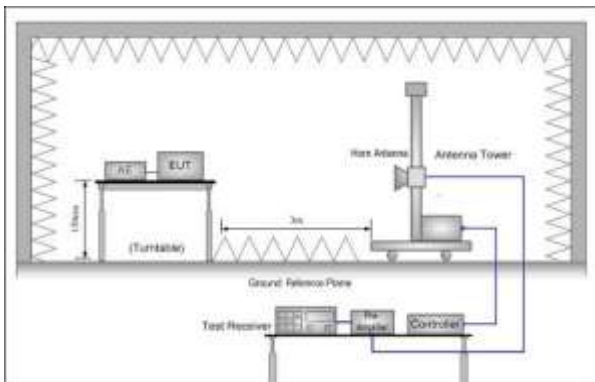
Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	46.57	32.37	7.45	2.69	41.85	47.23	68.20	-20.97	Horizontal
5700.00	47.52	32.39	7.60	2.72	41.90	48.33	105.20	-56.87	Horizontal
5720.00	48.90	32.39	7.64	2.72	41.92	49.73	110.80	-61.07	Horizontal
5725.00	58.67	32.39	7.69	2.72	41.94	59.53	122.20	-62.67	Horizontal
5650.00	46.76	32.37	7.45	2.69	41.85	47.42	68.20	-20.78	Vertical
5700.00	47.10	32.39	7.60	2.72	41.90	47.91	105.20	-57.29	Vertical
5720.00	51.36	32.39	7.64	2.72	41.92	52.19	110.80	-58.61	Vertical
5725.00	57.96	32.39	7.69	2.72	41.94	58.82	122.20	-63.38	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	56.25	32.44	7.90	2.69	42.03	57.25	122.20	-64.95	Horizontal
5855.00	48.49	32.44	7.90	2.72	42.03	49.52	110.80	-61.28	Horizontal
5875.00	46.47	32.45	7.91	2.72	42.03	47.52	105.20	-57.68	Horizontal
5925.00	47.32	32.47	7.92	2.72	42.04	48.39	68.20	-19.81	Horizontal
5850.00	62.76	32.44	7.90	2.69	42.03	63.76	122.20	-58.44	Vertical
5855.00	49.28	32.44	7.90	2.72	42.03	50.31	110.80	-60.49	Vertical
5875.00	48.40	32.45	7.91	2.72	42.03	49.45	105.20	-55.75	Vertical
5925.00	47.77	32.47	7.92	2.72	42.04	48.84	68.20	-19.36	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.26	32.37	7.45	2.69	41.85	47.92	68.20	-20.28	Horizontal
5700.00	47.50	32.39	7.60	2.72	41.90	48.31	105.20	-56.89	Horizontal
5720.00	48.20	32.39	7.64	2.72	41.92	49.03	110.80	-61.77	Horizontal
5725.00	56.80	32.39	7.69	2.72	41.94	57.66	122.20	-64.54	Horizontal
5650.00	46.94	32.37	7.45	2.69	41.85	47.60	68.20	-20.60	Vertical
5700.00	51.51	32.39	7.60	2.72	41.90	52.32	105.20	-52.88	Vertical
5720.00	58.09	32.39	7.64	2.72	41.92	58.92	110.80	-51.88	Vertical
5725.00	65.61	32.39	7.69	2.72	41.94	66.47	122.20	-55.73	Vertical
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	53.11	32.44	7.90	2.69	42.03	54.11	122.20	-68.09	Horizontal
5855.00	47.93	32.44	7.90	2.72	42.03	48.96	110.80	-61.84	Horizontal
5875.00	47.82	32.45	7.91	2.72	42.03	48.87	105.20	-56.33	Horizontal
5925.00	47.26	32.47	7.92	2.72	42.04	48.33	68.20	-19.87	Horizontal
5850.00	60.13	32.44	7.90	2.69	42.03	61.13	122.20	-61.07	Vertical
5855.00	58.90	32.44	7.90	2.72	42.03	59.93	110.80	-50.87	Vertical
5875.00	51.17	32.45	7.91	2.72	42.03	52.22	105.20	-52.98	Vertical
5925.00	48.23	32.47	7.92	2.72	42.04	49.30	68.20	-18.90	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

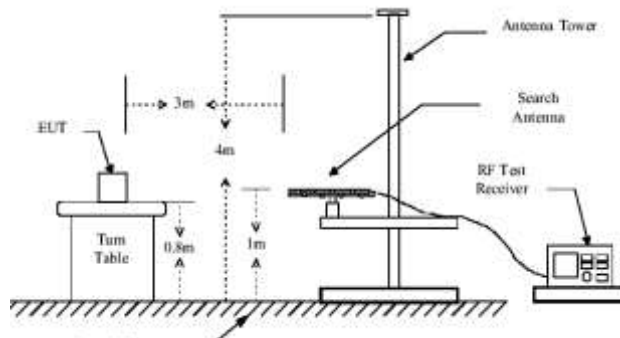
Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5650.00	47.13	32.37	7.45	2.69	41.85	47.79	68.20	-20.41	Horizontal
5700.00	50.63	32.39	7.60	2.72	41.90	51.44	105.20	-53.76	Horizontal
5720.00	55.90	32.39	7.64	2.72	41.92	56.73	110.80	-54.07	Horizontal
5725.00	57.83	32.39	7.69	2.72	41.94	58.69	122.20	-63.51	Horizontal
5650.00	48.05	32.37	7.45	2.69	41.85	48.71	68.20	-19.49	Vertical
5700.00	61.00	32.39	7.60	2.72	41.90	61.81	105.20	-43.39	Vertical
5720.00	61.95	32.39	7.64	2.72	41.92	62.78	110.80	-48.02	Vertical
5725.00	62.39	32.39	7.69	2.72	41.94	63.25	122.20	-58.95	Vertical
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
5850.00	55.32	32.44	7.90	2.69	42.03	#VALUE!	122.20	#VALUE!	Horizontal
5855.00	55.18	32.44	7.90	2.72	42.03	56.21	110.80	-54.59	Horizontal
5875.00	52.70	32.45	7.91	2.72	42.03	53.75	105.20	-51.45	Horizontal
5925.00	47.87	32.47	7.92	2.72	42.04	48.94	68.20	-19.26	Horizontal
5850.00	63.32	32.44	7.90	2.69	42.03	64.32	122.20	-57.88	Vertical
5855.00	57.39	32.44	7.90	2.72	42.03	58.42	110.80	-52.38	Vertical
5875.00	50.48	32.45	7.91	2.72	42.03	51.53	105.20	-53.67	Vertical
5925.00	47.16	32.47	7.92	2.72	42.04	48.23	68.20	-19.97	Vertical
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

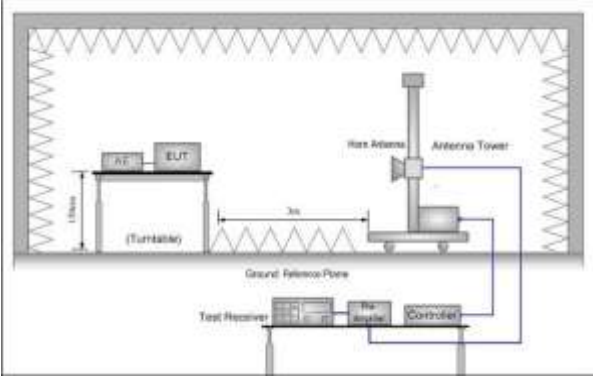
6.7 Spurious Emission

6.7.1 Restricted Band

Test Requirement:	FCC Part15 E Section 15.407(b)				
Test Frequency Range:	4.5 GHz to 5.15 GHz and 5.35GHz to 5.46GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	Above 1GHz		74.00		Peak Value
			54.00		Average Value
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 meters 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.				
Test setup:					
Test Instruments:	Refer to section 5.10 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed(Refer to section 6.6)				

6.7.2 Unwanted Emissions out of the Restricted Bands

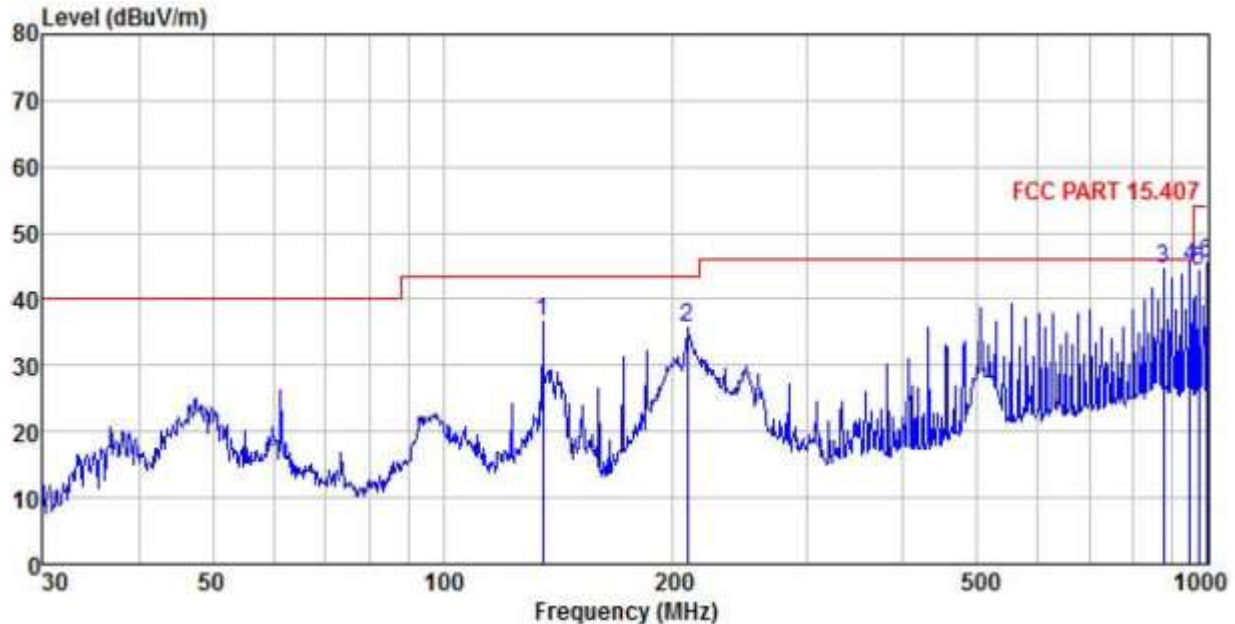
Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	100kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		RMS	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		68.20		Peak Value
			54.00		Average Value
	Remark:				
	Above 1GHz limit:				
$E[dB\mu V/m] = EIRP[dBm] + 95.2 = 68.2 \text{ dBuV/m}$, for $EIPR[dBm] = -27dBm$.					
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(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.				
Test setup:	Below 1GHz				
					
	Above 1GHz				

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

Below 1GHz

Product Name:	WiFi Media Streaming Module	Product Model:	LS9X-AC11DBT-C
Test By:	Mike	Test mode:	5G Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%

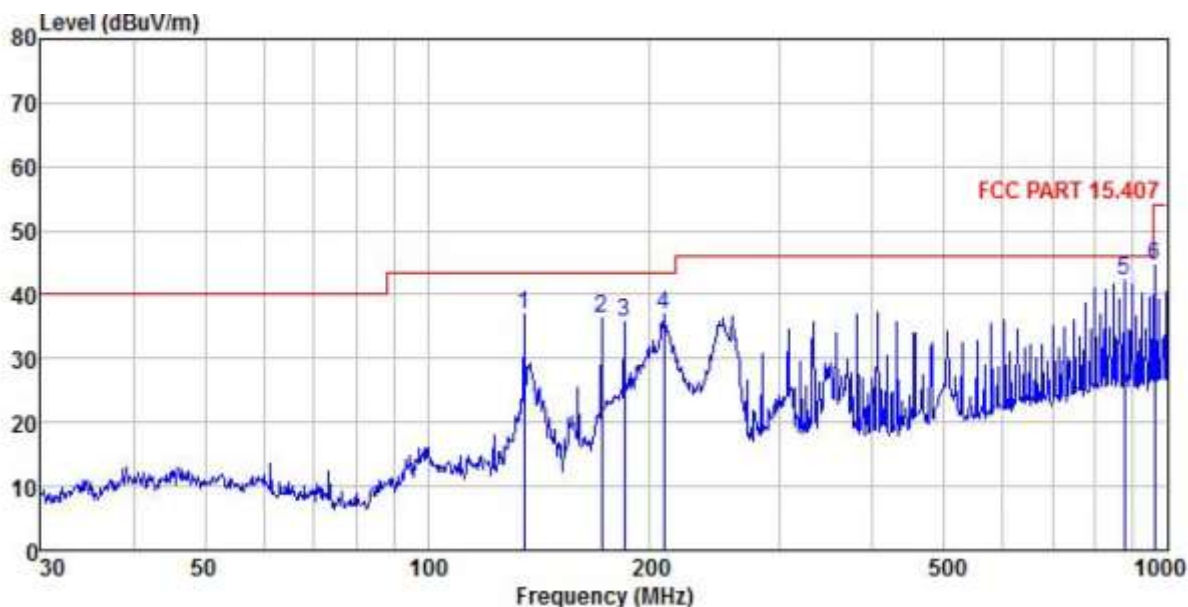


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dB		dB	dBuV/m	dBuV/m	dB	
1	135.032	53.75	9.84	2.34	0.00	29.30	36.63	43.50	-6.87	QP
2	208.580	50.75	11.00	2.86	0.00	28.78	35.83	43.50	-7.67	QP
3	875.247	46.07	22.55	3.95	0.00	27.94	44.63	46.00	-1.37	QP
4	948.761	45.66	22.68	4.20	0.00	27.73	44.81	46.00	-1.19	QP
5	972.337	44.68	22.74	4.33	0.00	27.59	44.16	54.00	-9.84	QP
6	996.500	45.77	22.79	4.45	0.00	27.45	45.56	54.00	-8.44	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	WiFi Media Streaming Module	Product Model:	LS9X-AC11DBT-C
Test By:	Mike	Test mode:	5G Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%

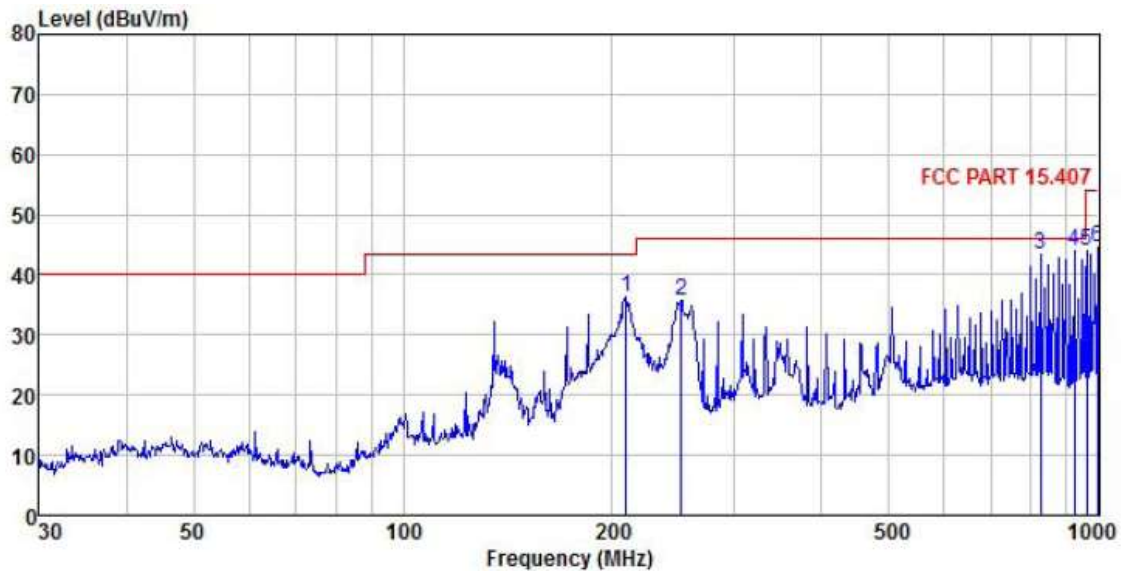


	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	Level	Line	
		dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	135.032	53.91	9.84	2.34	0.00	29.30	36.79	43.50	-6.71 QP
2	171.995	52.97	9.71	2.67	0.00	29.03	36.32	43.50	-7.18 QP
3	184.490	51.69	10.13	2.76	0.00	28.94	35.64	43.50	-7.86 QP
4	208.580	51.89	11.00	2.86	0.00	28.78	36.97	43.50	-6.53 QP
5	875.247	43.63	22.55	3.95	0.00	27.94	42.19	46.00	-3.81 QP
6	962.162	45.16	22.73	4.27	0.00	27.65	44.51	54.00	-9.49 QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	WiFi Media Streaming Module	Product Model:	LS9X-AC11DBT-AC
Test By:	Mike	Test mode:	5G Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%

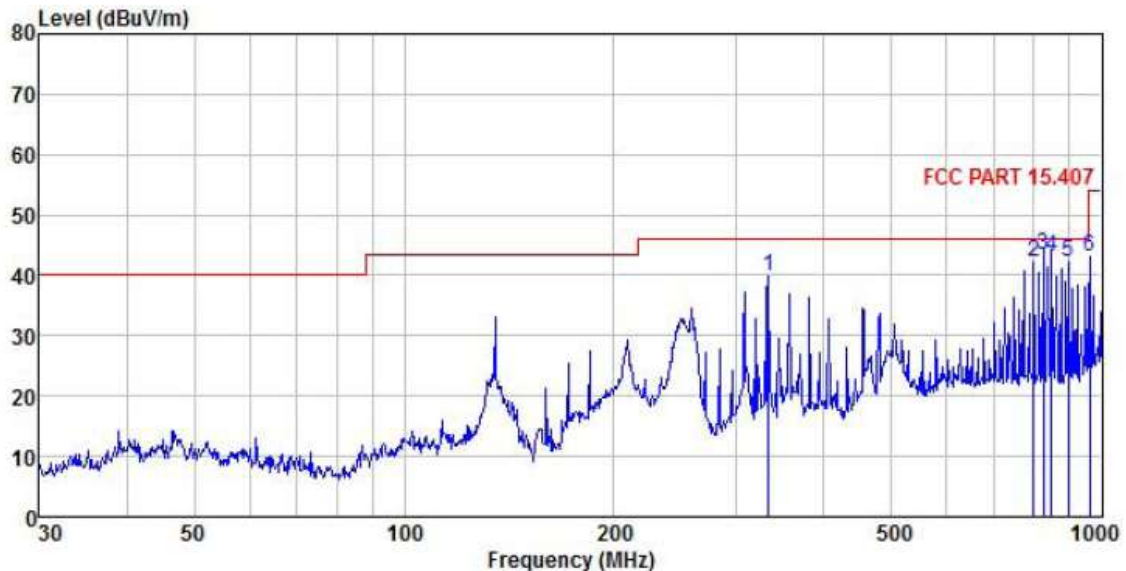


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB		dB	dBuV/m	dBuV/m	dB	
1	209.313	43.96	18.34	2.86	0.00	28.77	36.39	43.50	-7.11	QP
2	251.180	42.88	18.50	2.81	0.00	28.54	35.65	46.00	-10.35	QP
3	824.597	45.93	21.15	4.27	0.00	28.10	43.25	46.00	-2.75	QP
4	922.516	45.13	22.69	3.94	0.00	27.81	43.95	46.00	-2.05	QP
5	962.162	44.59	22.88	4.27	0.00	27.65	44.09	54.00	-9.91	QP
6	996.500	44.52	23.08	4.45	0.00	27.45	44.60	54.00	-9.40	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	WiFi Media Streaming Module	Product Model:	LS9X-AC11DBT-AC
Test By:	Mike	Test mode:	5G Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%



	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	Line	Limit	
		dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	332.519	46.65	18.77	3.04	0.00	28.52	39.94	46.00	-6.06 QP
2	798.980	45.11	20.90	4.35	0.00	28.20	42.16	46.00	-3.84 QP
3	824.597	46.02	21.15	4.27	0.00	28.10	43.34	46.00	-2.66 QP
4	848.056	45.68	21.37	4.20	0.00	28.01	43.24	46.00	-2.76 QP
5	896.997	43.88	22.52	3.74	0.00	27.89	42.25	46.00	-3.75 QP
6	962.162	43.64	22.88	4.27	0.00	27.65	43.14	54.00	-10.86 QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

PCB antenna:

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	39.86	38.83	9.82	3.95	41.97	50.49	68.20	-17.71	Vertical
10360.00	39.34	38.83	9.82	3.95	41.97	49.97	68.20	-18.23	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	31.62	38.83	9.82	3.95	41.97	42.25	54.00	-11.75	Vertical
10360.00	30.58	38.83	9.82	3.95	41.97	41.21	54.00	-12.79	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	39.51	38.87	9.85	3.98	41.95	50.26	68.20	-17.94	Vertical
10400.00	38.91	38.87	9.85	3.98	41.95	49.66	68.20	-18.54	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	31.32	38.87	9.85	3.98	41.95	42.07	54.00	-11.93	Vertical
10400.00	30.68	38.87	9.85	3.98	41.95	41.43	54.00	-12.57	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	39.72	38.94	9.96	4.02	41.88	50.76	68.20	-17.44	Vertical
10480.00	38.95	38.94	9.96	4.02	41.88	49.99	68.20	-18.21	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.97	38.94	9.96	4.02	41.88	42.01	54.00	-11.99	Vertical
10480.00	30.54	38.94	9.96	4.02	41.88	41.58	54.00	-12.42	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	40.13	38.83	9.82	3.95	41.97	50.76	68.20	-17.44	Vertical
10360.00	38.69	38.83	9.82	3.95	41.97	49.32	68.20	-18.88	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	31.30	38.83	9.82	3.95	41.97	41.93	54.00	-12.07	Vertical
10360.00	30.61	38.83	9.82	3.95	41.97	41.24	54.00	-12.76	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	40.28	38.87	9.85	3.98	41.95	51.03	68.20	-17.17	Vertical
10400.00	38.28	38.87	9.85	3.98	41.95	49.03	68.20	-19.17	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	31.41	38.87	9.85	3.98	41.95	42.16	54.00	-11.84	Vertical
10400.00	31.01	38.87	9.85	3.98	41.95	41.76	54.00	-12.24	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	39.79	38.94	9.96	4.02	41.88	50.83	68.20	-17.37	Vertical
10480.00	38.11	38.94	9.96	4.02	41.88	49.15	68.20	-19.05	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	31.27	38.94	9.96	4.02	41.88	42.31	54.00	-11.69	Vertical
10480.00	30.93	38.94	9.96	4.02	41.88	41.97	54.00	-12.03	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	39.52	38.25	9.85	3.95	41.95	49.62	68.20	-18.58	Vertical
10380.00	37.82	38.25	9.85	3.95	41.95	47.92	68.20	-20.28	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	30.95	38.25	9.85	3.95	41.95	41.05	54.00	-12.95	Vertical
10380.00	30.49	38.25	9.85	3.95	41.95	40.59	54.00	-13.41	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	39.77	38.92	9.92	3.98	41.90	50.69	68.20	-17.51	Vertical
10460.00	38.01	38.92	9.92	3.98	41.90	48.93	68.20	-19.27	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	30.93	38.92	9.92	3.98	41.90	41.85	54.00	-12.15	Vertical
10460.00	30.89	38.92	9.92	3.98	41.90	41.81	54.00	-12.19	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	39.58	38.83	9.82	3.95	41.97	50.21	68.20	-17.99	Vertical
10360.00	38.41	38.83	9.82	3.95	41.97	49.04	68.20	-19.16	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.71	38.83	9.82	3.95	41.97	41.34	54.00	-12.66	Vertical
10360.00	31.07	38.83	9.82	3.95	41.97	41.70	54.00	-12.30	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	39.85	38.87	9.85	3.98	41.95	50.60	68.20	-17.60	Vertical
10400.00	38.46	38.87	9.85	3.98	41.95	49.21	68.20	-18.99	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	30.67	38.87	9.85	3.98	41.95	41.42	54.00	-12.58	Vertical
10400.00	31.19	38.87	9.85	3.98	41.95	41.94	54.00	-12.06	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	39.47	38.94	9.96	4.02	41.88	50.51	68.20	-17.69	Vertical
10480.00	38.26	38.94	9.96	4.02	41.88	49.30	68.20	-18.90	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.40	38.94	9.96	4.02	41.88	41.44	54.00	-12.56	Vertical
10480.00	31.63	38.94	9.96	4.02	41.88	42.67	54.00	-11.33	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	39.79	38.25	9.85	3.95	41.95	49.89	68.20	-18.31	Vertical
10380.00	38.43	38.25	9.85	3.95	41.95	48.53	68.20	-19.67	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	30.99	38.25	9.85	3.95	41.95	41.09	54.00	-12.91	Vertical
10380.00	30.79	38.25	9.85	3.95	41.95	40.89	54.00	-13.11	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	39.70	38.92	9.92	3.98	41.90	50.62	68.20	-17.58	Vertical
10460.00	38.53	38.92	9.92	3.98	41.90	49.45	68.20	-18.75	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	31.34	38.92	9.92	3.98	41.90	42.26	54.00	-11.74	Vertical
10460.00	30.71	38.92	9.92	3.98	41.90	41.63	54.00	-12.37	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	39.41	38.89	9.89	3.98	41.93	50.24	68.20	-17.96	Vertical
10420.00	37.77	38.89	9.89	3.98	41.93	48.60	68.20	-19.60	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	30.63	38.89	9.89	3.98	41.93	41.46	54.00	-12.54	Vertical
10420.00	31.15	38.89	9.89	3.98	41.93	41.98	54.00	-12.02	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2:

Band 2 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	41.63	39.22	9.99	4.02	41.86	53.00	68.20	-15.20	Vertical
10520.00	40.89	39.22	9.99	4.02	41.86	52.26	68.20	-15.94	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	33.62	39.22	9.99	4.02	41.86	44.99	54.00	-9.01	Vertical
10520.00	32.48	39.22	9.99	4.02	41.86	43.85	54.00	-10.15	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10600.00	41.78	39.35	10.16	4.05	41.95	53.39	68.20	-14.81	Vertical
10600.00	40.97	39.35	10.16	4.05	41.95	52.58	68.20	-15.62	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10560.00	33.31	39.35	10.16	4.05	41.95	44.92	54.00	-9.08	Vertical
10560.00	32.83	39.35	10.16	4.05	41.95	44.44	54.00	-9.56	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	41.66	39.39	10.22	4.05	41.98	53.34	68.20	-14.86	Vertical
10640.00	40.70	39.39	10.22	4.05	41.98	52.38	68.20	-15.82	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	33.57	39.39	10.22	4.05	41.98	45.25	54.00	-8.75	Vertical
10640.00	33.32	39.39	10.22	4.05	41.98	45.00	54.00	-9.00	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	41.71	39.22	9.99	4.02	41.86	53.08	68.20	-15.12	Vertical
10520.00	40.75	39.22	9.99	4.02	41.86	52.12	68.20	-16.08	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	33.66	39.22	9.99	4.02	41.86	45.03	54.00	-8.97	Vertical
10520.00	33.15	39.22	9.99	4.02	41.86	44.52	54.00	-9.48	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10600.00	41.79	39.35	10.16	4.05	41.95	53.40	68.20	-14.80	Vertical
10600.00	41.24	39.35	10.16	4.05	41.95	52.85	68.20	-15.35	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10600.00	33.70	39.35	10.16	4.05	41.95	45.31	54.00	-8.69	Vertical
10600.00	33.44	39.35	10.16	4.05	41.95	45.05	54.00	-8.95	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	41.81	39.39	10.22	4.05	41.98	53.49	68.20	-14.71	Vertical
10640.00	41.60	39.39	10.22	4.05	41.98	53.28	68.20	-14.92	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	33.39	39.39	10.22	4.05	41.98	45.07	54.00	-8.93	Vertical
10640.00	33.21	39.39	10.22	4.05	41.98	44.89	54.00	-9.11	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	42.00	39.26	10.05	4.02	41.89	53.44	68.20	-14.76	Vertical
10540.00	40.81	39.26	10.05	4.02	41.89	52.25	68.20	-15.95	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	33.96	39.26	10.05	4.02	41.89	45.40	54.00	-8.60	Vertical
10540.00	33.33	39.26	10.05	4.02	41.89	44.77	54.00	-9.23	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	42.10	39.35	10.16	4.05	41.95	53.71	68.20	-14.49	Vertical
10620.00	40.86	39.35	10.16	4.05	41.95	52.47	68.20	-15.73	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	33.73	39.35	10.16	4.05	41.95	45.34	54.00	-8.66	Vertical
10620.00	33.52	39.35	10.16	4.05	41.95	45.13	54.00	-8.87	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	41.24	39.22	9.99	4.02	41.86	52.61	68.20	-15.59	Vertical
10520.00	40.42	39.22	9.99	4.02	41.86	51.79	68.20	-16.41	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	33.48	39.22	9.99	4.02	41.86	44.85	54.00	-9.15	Vertical
10520.00	33.48	39.22	9.99	4.02	41.86	44.85	54.00	-9.15	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10560.00	41.66	39.35	10.16	4.05	41.95	53.27	68.20	-14.93	Vertical
10560.00	40.03	39.35	10.16	4.05	41.95	51.64	68.20	-16.56	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10560.00	33.00	39.35	10.16	4.05	41.95	44.61	54.00	-9.39	Vertical
10560.00	33.30	39.35	10.16	4.05	41.95	44.91	54.00	-9.09	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	41.39	39.39	10.22	4.05	41.98	53.07	68.20	-15.13	Vertical
10640.00	40.11	39.39	10.22	4.05	41.98	51.79	68.20	-16.41	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	33.49	39.39	10.22	4.05	41.98	45.17	54.00	-8.83	Vertical
10640.00	33.15	39.39	10.22	4.05	41.98	44.83	54.00	-9.17	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	41.76	39.26	10.05	4.02	41.89	53.20	68.20	-15.00	Vertical
10540.00	40.27	39.26	10.05	4.02	41.89	51.71	68.20	-16.49	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	33.28	39.26	10.05	4.02	41.89	44.72	54.00	-9.28	Vertical
10540.00	33.11	39.26	10.05	4.02	41.89	44.55	54.00	-9.45	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	41.81	39.35	10.16	4.05	41.95	53.42	68.20	-14.78	Vertical
10620.00	40.28	39.35	10.16	4.05	41.95	51.89	68.20	-16.31	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	33.40	39.35	10.16	4.05	41.95	45.01	54.00	-8.99	Vertical
10620.00	32.94	39.35	10.16	4.05	41.95	44.55	54.00	-9.45	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10580.00	41.59	39.31	10.10	4.05	41.92	53.13	68.20	-15.07	Vertical
10580.00	40.20	39.31	10.10	4.05	41.92	51.74	68.20	-16.46	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10580.00	33.73	39.31	10.10	4.05	41.92	45.27	54.00	-8.73	Vertical
10580.00	32.51	39.31	10.10	4.05	41.92	44.05	54.00	-9.95	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3:

Band 3 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	41.86	39.90	10.91	4.20	42.34	54.53	68.20	-13.67	Vertical
11000.00	40.94	39.90	10.91	4.20	42.34	53.61	68.20	-14.59	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	31.67	39.90	10.91	4.20	42.34	44.34	54.00	-9.66	Vertical
11000.00	31.23	39.90	10.91	4.20	42.34	43.90	54.00	-10.10	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	41.88	39.76	10.87	4.20	42.32	54.39	68.20	-13.81	Vertical
11200.00	40.61	39.76	10.87	4.20	42.32	53.12	68.20	-15.08	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	32.13	39.76	10.87	4.20	42.32	44.64	54.00	-9.36	Vertical
11200.00	31.08	39.76	10.87	4.20	42.32	43.59	54.00	-10.41	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	42.12	39.62	10.83	4.21	42.30	54.48	68.20	-13.72	Vertical
11400.00	40.70	39.62	10.83	4.21	42.30	53.06	68.20	-15.14	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	32.21	39.62	10.83	4.21	42.30	44.57	54.00	-9.43	Vertical
11400.00	31.38	39.62	10.83	4.21	42.30	43.74	54.00	-10.26	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	41.43	39.90	10.91	4.20	42.34	54.10	68.20	-14.10	Vertical
11000.00	40.93	39.90	10.91	4.20	42.34	53.60	68.20	-14.60	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	31.65	39.90	10.91	4.20	42.34	44.32	54.00	-9.68	Vertical
11000.00	31.49	39.90	10.91	4.20	42.34	44.16	54.00	-9.84	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	41.37	39.76	10.87	4.20	42.32	53.88	68.20	-14.32	Vertical
11200.00	41.20	39.76	10.87	4.20	42.32	53.71	68.20	-14.49	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	31.66	39.76	10.87	4.20	42.32	44.17	54.00	-9.83	Vertical
11200.00	31.58	39.76	10.87	4.20	42.32	44.09	54.00	-9.91	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	41.19	39.62	10.83	4.21	42.30	53.55	68.20	-14.65	Vertical
11400.00	41.62	39.62	10.83	4.21	42.30	53.98	68.20	-14.22	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	32.03	39.62	10.83	4.21	42.30	44.39	54.00	-9.61	Vertical
11400.00	31.85	39.62	10.83	4.21	42.30	44.21	54.00	-9.79	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	40.90	39.90	10.91	4.20	42.34	53.57	68.20	-14.63	Vertical
11020.00	41.29	39.90	10.91	4.20	42.34	53.96	68.20	-14.24	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	32.13	39.90	10.91	4.20	42.34	44.80	54.00	-9.20	Vertical
11020.00	31.39	39.90	10.91	4.20	42.34	44.06	54.00	-9.94	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	41.21	39.78	10.88	4.20	42.32	53.75	68.20	-14.45	Vertical
11180.00	41.73	39.78	10.88	4.20	42.32	54.27	68.20	-13.93	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	32.49	39.78	10.88	4.20	42.32	45.03	54.00	-8.97	Vertical
11180.00	30.99	39.78	10.88	4.20	42.32	43.53	54.00	-10.47	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	41.60	39.67	10.84	4.20	42.31	54.00	68.20	-14.20	Vertical
11340.00	41.42	39.67	10.84	4.20	42.31	53.82	68.20	-14.38	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	32.59	39.67	10.84	4.20	42.31	44.99	54.00	-9.01	Vertical
11340.00	31.13	39.67	10.84	4.20	42.31	43.53	54.00	-10.47	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	42.33	39.90	10.91	4.20	42.34	55.00	68.20	-13.20	Vertical
11000.00	40.72	39.90	10.91	4.20	42.34	53.39	68.20	-14.81	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	31.54	39.90	10.91	4.20	42.34	44.21	54.00	-9.79	Vertical
11000.00	31.15	39.90	10.91	4.20	42.34	43.82	54.00	-10.18	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	41.86	39.76	10.87	4.20	42.32	54.37	68.20	-13.83	Vertical
11200.00	40.75	39.76	10.87	4.20	42.32	53.26	68.20	-14.94	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	31.85	39.76	10.87	4.20	42.32	44.36	54.00	-9.64	Vertical
11200.00	31.34	39.76	10.87	4.20	42.32	43.85	54.00	-10.15	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	42.27	39.62	10.83	4.21	42.30	54.63	68.20	-13.57	Vertical
11400.00	40.81	39.62	10.83	4.21	42.30	53.17	68.20	-15.03	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	32.18	39.62	10.83	4.21	42.30	44.54	54.00	-9.46	Vertical
11400.00	31.06	39.62	10.83	4.21	42.30	43.42	54.00	-10.58	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	40.48	39.90	10.91	4.20	42.34	53.15	68.20	-15.05	Vertical
11020.00	41.66	39.90	10.91	4.20	42.34	54.33	68.20	-13.87	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	32.33	39.90	10.91	4.20	42.34	45.00	54.00	-9.00	Vertical
11020.00	31.76	39.90	10.91	4.20	42.34	44.43	54.00	-9.57	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	40.15	39.78	10.88	4.20	42.32	52.69	68.20	-15.51	Vertical
11180.00	41.30	39.78	10.88	4.20	42.32	53.84	68.20	-14.36	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	32.08	39.78	10.88	4.20	42.32	44.62	54.00	-9.38	Vertical
11180.00	32.22	39.78	10.88	4.20	42.32	44.76	54.00	-9.24	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	40.30	39.67	10.84	4.20	42.31	52.70	68.20	-15.50	Vertical
11340.00	41.59	39.67	10.84	4.20	42.31	53.99	68.20	-14.21	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	32.23	39.67	10.84	4.20	42.31	44.63	54.00	-9.37	Vertical
11340.00	32.62	39.67	10.84	4.20	42.31	45.02	54.00	-8.98	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT80)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11060.00	41.22	39.88	10.90	4.20	42.34	53.86	68.20	-14.34	Vertical
11060.00	41.25	39.88	10.90	4.20	42.34	53.89	68.20	-14.31	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11060.00	32.31	39.88	10.90	4.20	42.34	44.95	54.00	-9.05	Vertical
11060.00	30.64	39.88	10.90	4.20	42.34	43.28	54.00	-10.72	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11220.00	41.15	39.76	10.87	4.20	42.32	53.66	68.20	-14.54	Vertical
11220.00	41.54	39.76	10.87	4.20	42.32	54.05	68.20	-14.15	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11220.00	32.00	39.76	10.87	4.20	42.32	44.51	54.00	-9.49	Vertical
11220.00	30.70	39.76	10.87	4.20	42.32	43.21	54.00	-10.79	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	39.98	39.50	10.81	4.21	42.29	48.00	74.00	-26.00	Vertical
11490.00	38.75	39.50	10.81	4.21	42.29	46.77	74.00	-27.23	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.79	39.50	10.81	4.21	42.29	38.81	54.00	-15.19	Vertical
11490.00	29.35	39.50	10.81	4.21	42.29	37.37	54.00	-16.63	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	39.28	39.52	10.78	4.21	42.27	47.31	74.00	-26.69	Vertical
11570.00	37.88	39.52	10.78	4.21	42.27	45.91	74.00	-28.09	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.69	39.52	10.78	4.21	42.27	37.72	54.00	-16.28	Vertical
11570.00	29.67	39.52	10.78	4.21	42.27	37.70	54.00	-16.30	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	39.00	39.53	10.76	4.21	42.26	47.03	74.00	-26.97	Vertical
11650.00	38.38	39.53	10.76	4.21	42.26	46.41	74.00	-27.59	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.64	39.53	10.76	4.21	42.26	37.67	54.00	-16.33	Vertical
11650.00	29.47	39.53	10.76	4.21	42.26	37.50	54.00	-16.50	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	40.29	39.50	10.81	4.21	42.29	48.31	74.00	-25.69	Vertical
11490.00	37.62	39.50	10.81	4.21	42.29	45.64	74.00	-28.36	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	29.49	39.50	10.81	4.21	42.29	37.51	54.00	-16.49	Vertical
11490.00	30.88	39.50	10.81	4.21	42.29	38.90	54.00	-15.10	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	40.18	39.52	10.78	4.21	42.27	48.21	74.00	-25.79	Vertical
11570.00	36.72	39.52	10.78	4.21	42.27	44.75	74.00	-29.25	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.42	39.52	10.78	4.21	42.27	37.45	54.00	-16.55	Vertical
11570.00	30.98	39.52	10.78	4.21	42.27	39.01	54.00	-14.99	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	40.02	39.53	10.76	4.21	42.26	48.05	74.00	-25.95	Vertical
11650.00	36.50	39.53	10.76	4.21	42.26	44.53	74.00	-29.47	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.84	39.53	10.76	4.21	42.26	37.87	54.00	-16.13	Vertical
11650.00	30.57	39.53	10.76	4.21	42.26	38.60	54.00	-15.40	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	39.65	39.50	10.81	4.21	42.29	47.67	74.00	-26.33	Vertical
11510.00	37.34	39.50	10.81	4.21	42.29	45.36	74.00	-28.64	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	29.55	39.50	10.81	4.21	42.29	37.57	54.00	-16.43	Vertical
11510.00	29.92	39.50	10.81	4.21	42.29	37.94	54.00	-16.06	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	39.00	39.52	10.77	4.21	42.27	47.02	74.00	-26.98	Vertical
11590.00	36.66	39.52	10.77	4.21	42.27	44.68	74.00	-29.32	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	29.64	39.52	10.77	4.21	42.27	37.66	54.00	-16.34	Vertical
11590.00	30.18	39.52	10.77	4.21	42.27	38.20	54.00	-15.80	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	38.83	39.50	10.81	4.21	42.29	46.85	74.00	-27.15	Vertical
11490.00	37.26	39.50	10.81	4.21	42.29	45.28	74.00	-28.72	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.51	39.50	10.81	4.21	42.29	38.53	54.00	-15.47	Vertical
11490.00	28.96	39.50	10.81	4.21	42.29	36.98	54.00	-17.02	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	39.16	39.52	10.78	4.21	42.27	47.19	74.00	-26.81	Vertical
11570.00	37.70	39.52	10.78	4.21	42.27	45.73	74.00	-28.27	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	30.29	39.52	10.78	4.21	42.27	38.32	54.00	-15.68	Vertical
11570.00	29.71	39.52	10.78	4.21	42.27	37.74	54.00	-16.26	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	38.83	37.22	10.76	4.21	42.26	44.55	74.00	-29.45	Vertical
11650.00	37.00	39.53	10.76	4.21	42.26	45.03	74.00	-28.97	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	30.03	39.53	10.76	4.21	42.26	38.06	54.00	-15.94	Vertical
11650.00	38.33	39.53	10.76	4.21	42.26	46.36	54.00	-7.64	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	39.02	39.50	10.81	4.21	42.29	47.04	74.00	-26.96	Vertical
11510.00	36.73	39.50	10.81	4.21	42.29	44.75	74.00	-29.25	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	29.23	39.50	10.81	4.21	42.29	37.25	54.00	-16.75	Vertical
11510.00	29.95	39.50	10.81	4.21	42.29	37.97	54.00	-16.03	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	39.22	39.52	10.77	4.21	42.27	47.24	74.00	-26.76	Vertical
11590.00	36.99	39.52	10.77	4.21	42.27	45.01	74.00	-28.99	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	29.97	39.52	10.77	4.21	42.27	37.99	54.00	-16.01	Vertical
11590.00	29.95	39.52	10.77	4.21	42.27	37.97	54.00	-16.03	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	39.37	39.51	10.80	4.21	42.28	47.40	74.00	-26.60	Vertical
11550.00	37.51	39.51	10.80	4.21	42.28	45.54	74.00	-28.46	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	29.24	39.51	10.80	4.21	42.28	37.27	54.00	-16.73	Vertical
11550.00	29.76	39.51	10.80	4.21	42.28	37.79	54.00	-16.21	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Rod antenna:

Band 1:

Band 1 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	39.86	38.83	9.82	3.95	41.97	50.49	68.20	-17.71	Vertical
10360.00	39.34	38.83	9.82	3.95	41.97	49.97	68.20	-18.23	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	31.62	38.83	9.82	3.95	41.97	42.25	54.00	-11.75	Vertical
10360.00	30.58	38.83	9.82	3.95	41.97	41.21	54.00	-12.79	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	39.68	38.87	9.85	3.98	41.95	50.43	68.20	-17.77	Vertical
10400.00	38.91	38.87	9.85	3.98	41.95	49.66	68.20	-18.54	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	31.23	38.87	9.85	3.98	41.95	41.98	54.00	-12.02	Vertical
10400.00	30.58	38.87	9.85	3.98	41.95	41.33	54.00	-12.67	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	40.11	38.94	9.96	4.02	41.88	51.15	68.20	-17.05	Vertical
10480.00	39.18	38.94	9.96	4.02	41.88	50.22	68.20	-17.98	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.76	38.94	9.96	4.02	41.88	41.80	54.00	-12.20	Vertical
10480.00	30.14	38.94	9.96	4.02	41.88	41.18	54.00	-12.82	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	40.58	38.83	9.82	3.95	41.97	51.21	68.20	-16.99	Vertical
10360.00	39.67	38.83	9.82	3.95	41.97	50.30	68.20	-17.90	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	30.99	38.83	9.82	3.95	41.97	41.62	54.00	-12.38	Vertical
10360.00	30.13	38.83	9.82	3.95	41.97	40.76	54.00	-13.24	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	40.77	38.87	9.85	3.98	41.95	51.52	68.20	-16.68	Vertical
10400.00	39.29	38.87	9.85	3.98	41.95	50.04	68.20	-18.16	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	30.86	38.87	9.85	3.98	41.95	41.61	54.00	-12.39	Vertical
10400.00	30.28	38.87	9.85	3.98	41.95	41.03	54.00	-12.97	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	39.29	38.94	9.96	4.02	41.88	50.33	68.20	-17.87	Vertical
10480.00	37.95	38.94	9.96	4.02	41.88	48.99	68.20	-19.21	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	31.05	38.94	9.96	4.02	41.88	42.09	54.00	-11.91	Vertical
10480.00	30.79	38.94	9.96	4.02	41.88	41.83	54.00	-12.17	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	39.21	38.25	9.85	3.95	41.95	49.31	68.20	-18.89	Vertical
10380.00	38.28	38.25	9.85	3.95	41.95	48.38	68.20	-19.82	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	31.38	38.25	9.85	3.95	41.95	41.48	54.00	-12.52	Vertical
10380.00	30.80	38.25	9.85	3.95	41.95	40.90	54.00	-13.10	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	39.56	38.92	9.92	3.98	41.90	50.48	68.20	-17.72	Vertical
10460.00	38.08	38.92	9.92	3.98	41.90	49.00	68.20	-19.20	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	30.43	38.92	9.92	3.98	41.90	41.35	54.00	-12.65	Vertical
10460.00	31.03	38.92	9.92	3.98	41.90	41.95	54.00	-12.05	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	39.64	38.83	9.82	3.95	41.97	50.27	68.20	-17.93	Vertical
10360.00	38.58	38.83	9.82	3.95	41.97	49.21	68.20	-18.99	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10360.00	31.03	38.83	9.82	3.95	41.97	41.66	54.00	-12.34	Vertical
10360.00	30.61	38.83	9.82	3.95	41.97	41.24	54.00	-12.76	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	39.85	38.87	9.85	3.98	41.95	50.60	68.20	-17.60	Vertical
10400.00	38.58	38.87	9.85	3.98	41.95	49.33	68.20	-18.87	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10400.00	30.19	38.87	9.85	3.98	41.95	40.94	54.00	-13.06	Vertical
10400.00	30.76	38.87	9.85	3.98	41.95	41.51	54.00	-12.49	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	39.73	38.94	9.96	4.02	41.88	50.77	68.20	-17.43	Vertical
10480.00	38.73	38.94	9.96	4.02	41.88	49.77	68.20	-18.43	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10480.00	30.03	38.94	9.96	4.02	41.88	41.07	54.00	-12.93	Vertical
10480.00	31.84	38.94	9.96	4.02	41.88	42.88	54.00	-11.12	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	39.91	38.25	9.85	3.95	41.95	50.01	68.20	-18.19	Vertical
10380.00	38.90	38.25	9.85	3.95	41.95	49.00	68.20	-19.20	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10380.00	31.07	38.25	9.85	3.95	41.95	41.17	54.00	-12.83	Vertical
10380.00	31.24	38.25	9.85	3.95	41.95	41.34	54.00	-12.66	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	39.59	38.92	9.92	3.98	41.90	50.51	68.20	-17.69	Vertical
10460.00	38.22	38.92	9.92	3.98	41.90	49.14	68.20	-19.06	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10460.00	30.86	38.92	9.92	3.98	41.90	41.78	54.00	-12.22	Vertical
10460.00	30.40	38.92	9.92	3.98	41.90	41.32	54.00	-12.68	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 1 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	39.08	38.89	9.89	3.98	41.93	49.91	68.20	-18.29	Vertical
10420.00	37.43	38.89	9.89	3.98	41.93	48.26	68.20	-19.94	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10420.00	30.65	38.89	9.89	3.98	41.93	41.48	54.00	-12.52	Vertical
10420.00	30.90	38.89	9.89	3.98	41.93	41.73	54.00	-12.27	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2:

Band 2 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	42.08	39.22	9.99	4.02	41.86	53.45	68.20	-14.75	Vertical
10520.00	40.89	39.22	9.99	4.02	41.86	52.26	68.20	-15.94	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	33.80	39.22	9.99	4.02	41.86	45.17	54.00	-8.83	Vertical
10520.00	32.07	39.22	9.99	4.02	41.86	43.44	54.00	-10.56	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10600.00	41.44	39.35	10.16	4.05	41.95	53.05	68.20	-15.15	Vertical
10600.00	40.48	39.35	10.16	4.05	41.95	52.09	68.20	-16.11	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10560.00	33.07	39.35	10.16	4.05	41.95	44.68	54.00	-9.32	Vertical
10560.00	32.81	39.35	10.16	4.05	41.95	44.42	54.00	-9.58	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	41.45	39.39	10.22	4.05	41.98	53.13	68.20	-15.07	Vertical
10640.00	40.48	39.39	10.22	4.05	41.98	52.16	68.20	-16.04	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	33.12	39.39	10.22	4.05	41.98	44.80	54.00	-9.20	Vertical
10640.00	32.87	39.39	10.22	4.05	41.98	44.55	54.00	-9.45	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	41.63	39.22	9.99	4.02	41.86	53.00	68.20	-15.20	Vertical
10520.00	41.09	39.22	9.99	4.02	41.86	52.46	68.20	-15.74	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	33.26	39.22	9.99	4.02	41.86	44.63	54.00	-9.37	Vertical
10520.00	33.02	39.22	9.99	4.02	41.86	44.39	54.00	-9.61	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10600.00	41.57	39.35	10.16	4.05	41.95	53.18	68.20	-15.02	Vertical
10600.00	41.35	39.35	10.16	4.05	41.95	52.96	68.20	-15.24	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10600.00	33.56	39.35	10.16	4.05	41.95	45.17	54.00	-8.83	Vertical
10600.00	33.37	39.35	10.16	4.05	41.95	44.98	54.00	-9.02	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	41.44	39.39	10.22	4.05	41.98	53.12	68.20	-15.08	Vertical
10640.00	42.03	39.39	10.22	4.05	41.98	53.71	68.20	-14.49	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	33.76	39.39	10.22	4.05	41.98	45.44	54.00	-8.56	Vertical
10640.00	33.48	39.39	10.22	4.05	41.98	45.16	54.00	-8.84	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	42.30	39.26	10.05	4.02	41.89	53.74	68.20	-14.46	Vertical
10540.00	41.11	39.26	10.05	4.02	41.89	52.55	68.20	-15.65	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	33.98	39.26	10.05	4.02	41.89	45.42	54.00	-8.58	Vertical
10540.00	33.76	39.26	10.05	4.02	41.89	45.20	54.00	-8.80	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	42.15	39.35	10.16	4.05	41.95	53.76	68.20	-14.44	Vertical
10620.00	41.28	39.35	10.16	4.05	41.95	52.89	68.20	-15.31	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	34.09	39.35	10.16	4.05	41.95	45.70	54.00	-8.30	Vertical
10620.00	33.10	39.35	10.16	4.05	41.95	44.71	54.00	-9.29	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	41.15	39.22	9.99	4.02	41.86	52.52	68.20	-15.68	Vertical
10520.00	40.62	39.22	9.99	4.02	41.86	51.99	68.20	-16.21	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10520.00	33.37	39.22	9.99	4.02	41.86	44.74	54.00	-9.26	Vertical
10520.00	33.39	39.22	9.99	4.02	41.86	44.76	54.00	-9.24	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10560.00	41.99	39.35	10.16	4.05	41.95	53.60	68.20	-14.60	Vertical
10560.00	39.54	39.35	10.16	4.05	41.95	51.15	68.20	-17.05	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10560.00	33.43	39.35	10.16	4.05	41.95	45.04	54.00	-8.96	Vertical
10560.00	33.50	39.35	10.16	4.05	41.95	45.11	54.00	-8.89	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	41.69	39.39	10.22	4.05	41.98	53.37	68.20	-14.83	Vertical
10640.00	39.80	39.39	10.22	4.05	41.98	51.48	68.20	-16.72	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10640.00	33.76	39.39	10.22	4.05	41.98	45.44	54.00	-8.56	Vertical
10640.00	33.62	39.39	10.22	4.05	41.98	45.30	54.00	-8.70	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	42.08	39.26	10.05	4.02	41.89	53.52	68.20	-14.68	Vertical
10540.00	40.39	39.26	10.05	4.02	41.89	51.83	68.20	-16.37	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10540.00	33.02	39.26	10.05	4.02	41.89	44.46	54.00	-9.54	Vertical
10540.00	33.02	39.26	10.05	4.02	41.89	44.46	54.00	-9.54	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	41.33	39.35	10.16	4.05	41.95	52.94	68.20	-15.26	Vertical
10620.00	40.76	39.35	10.16	4.05	41.95	52.37	68.20	-15.83	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10620.00	33.26	39.35	10.16	4.05	41.95	44.87	54.00	-9.13	Vertical
10620.00	32.51	39.35	10.16	4.05	41.95	44.12	54.00	-9.88	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 2 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10580.00	41.77	39.31	10.10	4.05	41.92	53.31	68.20	-14.89	Vertical
10580.00	40.52	39.31	10.10	4.05	41.92	52.06	68.20	-16.14	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
10580.00	33.91	39.31	10.10	4.05	41.92	45.45	54.00	-8.55	Vertical
10580.00	32.94	39.31	10.10	4.05	41.92	44.48	54.00	-9.52	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3:

Band 3 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	42.24	39.90	10.91	4.20	42.34	54.91	68.20	-13.29	Vertical
11000.00	40.94	39.90	10.91	4.20	42.34	53.61	68.20	-14.59	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	31.43	39.90	10.91	4.20	42.34	44.10	54.00	-9.90	Vertical
11000.00	31.41	39.90	10.91	4.20	42.34	44.08	54.00	-9.92	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	42.15	39.76	10.87	4.20	42.32	54.66	68.20	-13.54	Vertical
11200.00	40.50	39.76	10.87	4.20	42.32	53.01	68.20	-15.19	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	32.30	39.76	10.87	4.20	42.32	44.81	54.00	-9.19	Vertical
11200.00	31.45	39.76	10.87	4.20	42.32	43.96	54.00	-10.04	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	41.68	39.62	10.83	4.21	42.30	54.04	68.20	-14.16	Vertical
11400.00	40.25	39.62	10.83	4.21	42.30	52.61	68.20	-15.59	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	32.53	39.62	10.83	4.21	42.30	44.89	54.00	-9.11	Vertical
11400.00	31.43	39.62	10.83	4.21	42.30	43.79	54.00	-10.21	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	41.35	39.90	10.91	4.20	42.34	54.02	68.20	-14.18	Vertical
11000.00	41.01	39.90	10.91	4.20	42.34	53.68	68.20	-14.52	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	31.80	39.90	10.91	4.20	42.34	44.47	54.00	-9.53	Vertical
11000.00	31.91	39.90	10.91	4.20	42.34	44.58	54.00	-9.42	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	41.54	39.76	10.87	4.20	42.32	54.05	68.20	-14.15	Vertical
11200.00	41.43	39.76	10.87	4.20	42.32	53.94	68.20	-14.26	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	31.64	39.76	10.87	4.20	42.32	44.15	54.00	-9.85	Vertical
11200.00	31.63	39.76	10.87	4.20	42.32	44.14	54.00	-9.86	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	41.32	39.62	10.83	4.21	42.30	53.68	68.20	-14.52	Vertical
11400.00	41.52	39.62	10.83	4.21	42.30	53.88	68.20	-14.32	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	31.89	39.62	10.83	4.21	42.30	44.25	54.00	-9.75	Vertical
11400.00	31.59	39.62	10.83	4.21	42.30	43.95	54.00	-10.05	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	41.04	39.90	10.91	4.20	42.34	53.71	68.20	-14.49	Vertical
11020.00	41.37	39.90	10.91	4.20	42.34	54.04	68.20	-14.16	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	31.66	39.90	10.91	4.20	42.34	44.33	54.00	-9.67	Vertical
11020.00	31.34	39.90	10.91	4.20	42.34	44.01	54.00	-9.99	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	40.83	39.78	10.88	4.20	42.32	53.37	68.20	-14.83	Vertical
11180.00	41.48	39.78	10.88	4.20	42.32	54.02	68.20	-14.18	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	32.89	39.78	10.88	4.20	42.32	45.43	54.00	-8.57	Vertical
11180.00	31.45	39.78	10.88	4.20	42.32	43.99	54.00	-10.01	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	41.97	39.67	10.84	4.20	42.31	54.37	68.20	-13.83	Vertical
11340.00	41.07	39.67	10.84	4.20	42.31	53.47	68.20	-14.73	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	32.40	39.67	10.84	4.20	42.31	44.80	54.00	-9.20	Vertical
11340.00	30.96	39.67	10.84	4.20	42.31	43.36	54.00	-10.64	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	41.93	39.90	10.91	4.20	42.34	54.60	68.20	-13.60	Vertical
11000.00	40.26	39.90	10.91	4.20	42.34	52.93	68.20	-15.27	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11000.00	31.85	39.90	10.91	4.20	42.34	44.52	54.00	-9.48	Vertical
11000.00	30.88	39.90	10.91	4.20	42.34	43.55	54.00	-10.45	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	41.44	39.76	10.87	4.20	42.32	53.95	68.20	-14.25	Vertical
11200.00	41.24	39.76	10.87	4.20	42.32	53.75	68.20	-14.45	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11200.00	31.95	39.76	10.87	4.20	42.32	44.46	54.00	-9.54	Vertical
11200.00	31.83	39.76	10.87	4.20	42.32	44.34	54.00	-9.66	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	42.03	39.62	10.83	4.21	42.30	54.39	68.20	-13.81	Vertical
11400.00	40.41	39.62	10.83	4.21	42.30	52.77	68.20	-15.43	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11400.00	32.04	39.62	10.83	4.21	42.30	44.40	54.00	-9.60	Vertical
11400.00	30.88	39.62	10.83	4.21	42.30	43.24	54.00	-10.76	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	40.18	39.90	10.91	4.20	42.34	52.85	68.20	-15.35	Vertical
11020.00	42.15	39.90	10.91	4.20	42.34	54.82	68.20	-13.38	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11020.00	32.24	39.90	10.91	4.20	42.34	44.91	54.00	-9.09	Vertical
11020.00	31.85	39.90	10.91	4.20	42.34	44.52	54.00	-9.48	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	39.91	39.78	10.88	4.20	42.32	52.45	68.20	-15.75	Vertical
11180.00	41.02	39.78	10.88	4.20	42.32	53.56	68.20	-14.64	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11180.00	32.08	39.78	10.88	4.20	42.32	44.62	54.00	-9.38	Vertical
11180.00	31.93	39.78	10.88	4.20	42.32	44.47	54.00	-9.53	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	40.39	39.67	10.84	4.20	42.31	52.79	68.20	-15.41	Vertical
11340.00	41.65	39.67	10.84	4.20	42.31	54.05	68.20	-14.15	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11340.00	31.86	39.67	10.84	4.20	42.31	44.26	54.00	-9.74	Vertical
11340.00	32.52	39.67	10.84	4.20	42.31	44.92	54.00	-9.08	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 3 – 802.11ac(HT80)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11060.00	41.52	39.88	10.90	4.20	42.34	54.16	68.20	-14.04	Vertical
11060.00	41.47	39.88	10.90	4.20	42.34	54.11	68.20	-14.09	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11060.00	32.44	39.88	10.90	4.20	42.34	45.08	54.00	-8.92	Vertical
11060.00	30.34	39.88	10.90	4.20	42.34	42.98	54.00	-11.02	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11220.00	41.16	39.76	10.87	4.20	42.32	53.67	68.20	-14.53	Vertical
11220.00	41.93	39.76	10.87	4.20	42.32	54.44	68.20	-13.76	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11220.00	31.77	39.76	10.87	4.20	42.32	44.28	54.00	-9.72	Vertical
11220.00	31.17	39.76	10.87	4.20	42.32	43.68	54.00	-10.32	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4:

Band 4 – 802.11a									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	39.48	39.50	10.81	4.21	42.29	47.50	74.00	-26.50	Vertical
11490.00	38.75	39.50	10.81	4.21	42.29	46.77	74.00	-27.23	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.73	39.50	10.81	4.21	42.29	38.75	54.00	-15.25	Vertical
11490.00	29.71	39.50	10.81	4.21	42.29	37.73	54.00	-16.27	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	39.16	39.52	10.78	4.21	42.27	47.19	74.00	-26.81	Vertical
11570.00	37.58	39.52	10.78	4.21	42.27	45.61	74.00	-28.39	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.67	39.52	10.78	4.21	42.27	37.70	54.00	-16.30	Vertical
11570.00	29.84	39.52	10.78	4.21	42.27	37.87	54.00	-16.13	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	38.86	39.53	10.76	4.21	42.26	46.89	74.00	-27.11	Vertical
11650.00	38.25	39.53	10.76	4.21	42.26	46.28	74.00	-27.72	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.26	39.53	10.76	4.21	42.26	37.29	54.00	-16.71	Vertical
11650.00	29.85	39.53	10.76	4.21	42.26	37.88	54.00	-16.12	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11n(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	39.94	39.50	10.81	4.21	42.29	47.96	74.00	-26.04	Vertical
11490.00	37.70	39.50	10.81	4.21	42.29	45.72	74.00	-28.28	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	29.82	39.50	10.81	4.21	42.29	37.84	54.00	-16.16	Vertical
11490.00	30.49	39.50	10.81	4.21	42.29	38.51	54.00	-15.49	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	40.44	39.52	10.78	4.21	42.27	48.47	74.00	-25.53	Vertical
11570.00	36.34	39.52	10.78	4.21	42.27	44.37	74.00	-29.63	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	29.76	39.52	10.78	4.21	42.27	37.79	54.00	-16.21	Vertical
11570.00	31.23	39.52	10.78	4.21	42.27	39.26	54.00	-14.74	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	39.66	39.53	10.76	4.21	42.26	47.69	74.00	-26.31	Vertical
11650.00	36.91	39.53	10.76	4.21	42.26	44.94	74.00	-29.06	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	30.21	39.53	10.76	4.21	42.26	38.24	54.00	-15.76	Vertical
11650.00	30.82	39.53	10.76	4.21	42.26	38.85	54.00	-15.15	Horizontal
Remark:									
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.									
2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

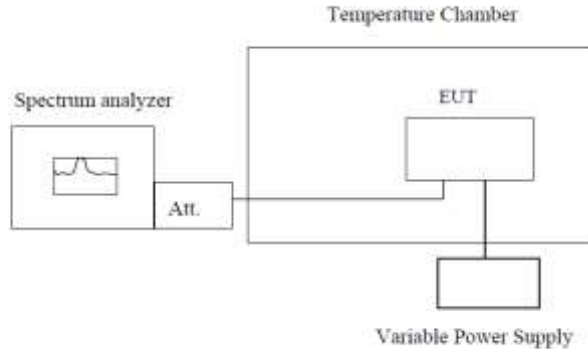
Band 4 – 802.11n(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	39.70	39.50	10.81	4.21	42.29	47.72	74.00	-26.28	Vertical
11510.00	37.35	39.50	10.81	4.21	42.29	45.37	74.00	-28.63	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	29.99	39.50	10.81	4.21	42.29	38.01	54.00	-15.99	Vertical
11510.00	29.80	39.50	10.81	4.21	42.29	37.82	54.00	-16.18	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	39.35	39.52	10.77	4.21	42.27	47.37	74.00	-26.63	Vertical
11590.00	36.95	39.52	10.77	4.21	42.27	44.97	74.00	-29.03	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	29.85	39.52	10.77	4.21	42.27	37.87	54.00	-16.13	Vertical
11590.00	30.64	39.52	10.77	4.21	42.27	38.66	54.00	-15.34	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT20)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	38.50	39.50	10.81	4.21	42.29	46.52	74.00	-27.48	Vertical
11490.00	37.73	39.50	10.81	4.21	42.29	45.75	74.00	-28.25	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11490.00	30.60	39.50	10.81	4.21	42.29	38.62	54.00	-15.38	Vertical
11490.00	29.22	39.50	10.81	4.21	42.29	37.24	54.00	-16.76	Horizontal
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	38.83	39.52	10.78	4.21	42.27	46.86	74.00	-27.14	Vertical
11570.00	37.33	39.52	10.78	4.21	42.27	45.36	74.00	-28.64	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11570.00	30.03	39.52	10.78	4.21	42.27	38.06	54.00	-15.94	Vertical
11570.00	30.16	39.52	10.78	4.21	42.27	38.19	54.00	-15.81	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	38.96	37.22	10.76	4.21	42.26	44.68	74.00	-29.32	Vertical
11650.00	37.29	39.53	10.76	4.21	42.26	45.32	74.00	-28.68	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11650.00	29.89	39.53	10.76	4.21	42.26	37.92	54.00	-16.08	Vertical
11650.00	38.46	39.53	10.76	4.21	42.26	46.49	54.00	-7.51	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT40)									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	38.74	39.50	10.81	4.21	42.29	46.76	74.00	-27.24	Vertical
11510.00	36.66	39.50	10.81	4.21	42.29	44.68	74.00	-29.32	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11510.00	29.05	39.50	10.81	4.21	42.29	37.07	54.00	-16.93	Vertical
11510.00	30.36	39.50	10.81	4.21	42.29	38.38	54.00	-15.62	Horizontal
Test channel: Highest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	38.76	39.52	10.77	4.21	42.27	46.78	74.00	-27.22	Vertical
11590.00	36.88	39.52	10.77	4.21	42.27	44.90	74.00	-29.10	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11590.00	29.95	39.52	10.77	4.21	42.27	37.97	54.00	-16.03	Vertical
11590.00	30.30	39.52	10.77	4.21	42.27	38.32	54.00	-15.68	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

Band 4 – 802.11ac(HT80)									
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	38.95	39.51	10.80	4.21	42.28	46.98	74.00	-27.02	Vertical
11550.00	37.40	39.51	10.80	4.21	42.28	45.43	74.00	-28.57	Horizontal
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
11550.00	29.53	39.51	10.80	4.21	42.28	37.56	54.00	-16.44	Vertical
11550.00	29.68	39.51	10.80	4.21	42.28	37.71	54.00	-16.29	Horizontal
Remark: 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor. 2. The emission levels of other frequencies are very lower than the limit and not show in test report.									

6.8 Frequency stability

Test Requirement:	FCC Part15 E Section 15.407 (g)
Limit:	Manufacturers 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 in the user's manual.
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test procedure:	1. The EUT is installed in an environment test chamber with external power source. 2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT. 3. A sufficient stabilization period at each temperature is used prior to each frequency measurement. 4. When temperature is stabled, measure the frequency stability. 5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (the worst channel):

Band 1:

Voltage vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(dc)		
20	3.8V	5179.997643	0.45
	3.3V	5179.974779	4.87
	3.0V	5179.963951	6.96

Temperature vs. Frequency Stability (Lowest channel=5180MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
3.3V	-20	5179.987033	2.50
	-10	5179.995377	0.89
	0	5179.968421	6.10
	10	5179.987556	2.40
	20	5179.996681	0.64
	30	5179.974290	4.96
	40	5179.963775	6.99
	50	5179.974929	4.84

Band 2:

Voltage vs. Frequency Stability (Lowest channel=5260MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(dc)		
20	3.8V	5259.968471	5.99
	3.3V	5259.996387	0.69
	3.0V	5259.993659	1.21

Temperature vs. Frequency Stability (Lowest channel=5260MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
3.3V	-20	5259.996412	0.68
	-10	5259.984786	2.89
	0	5259.996328	0.70
	10	5259.981478	3.52
	20	5259.996480	0.67
	30	5259.969578	5.78
	40	5259.979896	3.82
	50	5259.956548	8.26

Band 3:**Voltage vs. Frequency Stability (Lowest channel=5500MHz)**

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(ac)		
20	3.8V	5499.997640	0.43
	3.3V	5499.974756	4.59
	3.0V	5499.963990	6.55

Temperature vs. Frequency Stability (Lowest channel=5500MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
3.3V	-20	5499.987055	2.35
	-10	5499.995381	0.84
	0	5499.968493	5.73
	10	5499.987569	2.26
	20	5499.996647	6.10
	30	5499.974284	4.68
	40	5499.963785	6.58
	50	5499.974999	4.55

Band 4:**Voltage vs. Frequency Stability (Lowest channel=5745MHz)**

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Temp(°C)	Voltage(dc)		
20	3.8V	5744.974766	4.39
	3.3V	5744.993381	1.15
	3.0V	5744.998588	0.25

Temperature vs. Frequency Stability (Lowest channel=5745MHz)

Test conditions		Frequency(MHz)	Max. Deviation (ppm)
Voltage(dc)	Temp(°C)		
3.3V	-20	5744.994798	0.91
	-10	5744.993693	1.10
	0	5744.994771	0.91
	10	5744.985355	2.55
	20	5744.993864	1.07
	30	5744.994481	0.96
	40	5744.999347	0.11
	50	5744.992458	1.31