

RF Test Report

For

Applicant Name: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO., LTD

A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU

Address: INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN,

518XXX China

EUT Name: Smart Phone Brand Name: OUKITEL WP33 Pro

Series Model Number: Refer to section 2

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen.

China

Report Number: BTF231110R00204 Test Standards: 47 CFR Part 15E

Test Conclusion: Pass

FCC ID: 2ANMU-WP33PRO

Test Date: 2023-11-10 to 2023-12-08

Date of Issue: 2023-12-12

Prepared By:

Address:

Chris Liu / Project Enginee

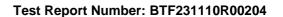
Date: 2023-12-12

Approved By:

Ryan.CJ / EMC Manager

Date: 2023-12-12

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.



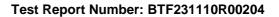


Revision History			
Version Issue Date		Revisions Content	
R_V0	2023-12-12	Original	
Note: Once the	revision has been made, then prev		



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1 Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou
Address.	Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.	
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number: +86-0755-23146130	
Fax Number:	+86-0755-23146130
FCC Registration Number:	518915
Designation Number:	CN1330

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.



Product Information

Application Information

Company Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO., LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

2.2 Manufacturer Information

	Company Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO., LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,	
	Address.	GUANLAN, LONGHUA SHENZHEN, 518XXX China

Factory Information

Company Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO., LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

General Description of Equipment under Test (EUT) 2.4

EUT Name:	Smart Phone
Test Model Number:	WP33 Pro
Series Model Number:	WP33, WP33 S, SP33 Ultra, WP33 TITAN
Description of Model name differentiation:	Only the model name is different, the others are the same.
Hardware Version:	HCT_V500_MBA2
Software Version:	OUKITEL_WP33_Pro_EEA_V08_20231130

Technical Information 2.5

Power Supply:	DC 3.87V form battery
Operation Frequency Range	U-NII Band 1: 5.18~5.24 GHz U-NII Band 3: 5.745~5.825 GHz
Frequency Block	U-NII Band 1: 5.15~5.25 GHz U-NII Band 3: 5.725~5.85 GHz
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	Band1:-0.98 dBi Band3:-0.39dBi
Note:	

^{#:} The antenna gain provided by the applicant, and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.



3 Summary of Test Results

3.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15E: Unlicensed National Information Infrastructure Devices

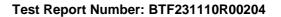
3.2 Uncertainty of Test

Item	Measurement Uncertainty
Conducted Emission (150 kHz-30 MHz)	±2.64dB

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.3 Summary of Test Result

Item	Standard	Requirement	Result
Antenna requirement	47 CFR Part 15E	Part 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15E	47 CFR Part 15.207(a)	Pass
Maximum conducted output power	47 CFR Part 15E	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)	Pass
Power spectral density	47 CFR Part 15E	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)	Pass
Emission bandwidth and occupied bandwidth	47 CFR Part 15E	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. 47 CFR Part 15.407(e)	Pass
Channel Availability Check Time	47 CFR Part 15E	47 CFR Part 15.407(h)(2)(ii)	Pass
U-NII Detection Bandwidth	47 CFR Part 15E	47 CFR Part 15.407(h)(2)	Pass
Statistical Performance Check	47 CFR Part 15E	KDB 935210 D02, Clause 5.1 Table 2	Pass
Channel Move Time, Channel Closing Transmission Time	47 CFR Part 15E	47 CFR Part 15.407(h)(2)(iii)	Pass
Non-Occupancy Period Test	47 CFR Part 15E	47 CFR Part 15.407(h)(2)(iv)	Pass
DFS Detection Thresholds	47 CFR Part 15E	KDB 905462 D02, Clause 5.2 Table 3	Pass
Band edge emissions (Radiated)	47 CFR Part 15E	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass
Undesirable emission limits (below 1GHz)	47 CFR Part 15E	47 CFR Part 15.407(b)(9)	Pass
Undesirable emission limits (above 1GHz)	47 CFR Part 15E	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass





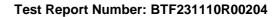
Test Configuration

Test Equipment List

Conducted Emission at AC power line							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	00953	2023-11-16	2024-11-15		
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2023-11-16	2024-11-15		
V-LISN	SCHWARZBECK	NSLK 8127	01073	2023-11-16	2024-11-15		
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22		
EMI Receiver	ROHDE&SCHWA RZ	ESCI3	101422	2023-11-16	2024-11-15		

Duty Cycle							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	1	1		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15		
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15		

Maximum conducted output power							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	/	1		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15		
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15		

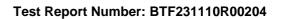




Power spectral density							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	1	1		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15		
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15		

Emission bandwidth and occupied bandwidth							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	1	1		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15		
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15		

Channel Availability Check Time							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	/	/		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15		



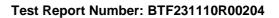


MXA Signal Analyzer KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23
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U-NII Detection Bandwidth								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
RFTest software	/	V1.00	/	/	/			
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15			
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15			
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15			
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15			
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15			
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15			

Statistical Performance Check								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
RFTest software	1	V1.00	1	1	1			
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15			
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15			
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15			
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15			
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15			
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15			

Channel Move Time, Channel Closing Transmission Time							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	/	/		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		



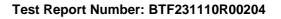


WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15

Non-Occupancy Period Test								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
RFTest software	1	V1.00	1	1	1			
RF Control Unit	Techy	TR1029-1	/	2023-11-16	2024-11-15			
RF Sensor Unit	Techy	TR1029-2	/	2023-11-16	2024-11-15			
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15			
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15			
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15			
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15			

DFS Detection Thresholds							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date		
RFTest software	1	V1.00	1	/	/		
RF Control Unit	Techy	TR1029-1	1	2023-11-16	2024-11-15		
RF Sensor Unit	Techy	TR1029-2	1	2023-11-16	2024-11-15		
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2023-11-16	2024-11-15		
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2023-11-16	2024-11-15		
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2023-11-16	2024-11-15		
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2023-11-16	2024-11-15		

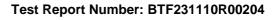
Band edge emissions (Radiated)								
Equipment	Manufacturer Model No Inventory No		Cal Date	Cal Due Date				
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23			
Preamplifier	SCHWARZBECK	BECK BBV9744 00246		2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2023-11-16	2024-11-15			





RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2023-11-16	2024-11-15
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2023-11-16	2024-11-15
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	2023-11-16	2024-11-15
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2023-11-16	2024-11-15
EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESCI7	101032	2023-11-16	2024-11-15
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2023-11-16	2024-11-15
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	1
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	80000	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	1
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2023-11-16	2024-11-15

Undesirable emission limits (below 1GHz)								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date			
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23			
Preamplifier	SCHWARZBECK	BBV9744	00246	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2023-11-16	2024-11-15			
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2023-11-16	2024-11-15			
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	/			
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2023-11-16	2024-11-15			
EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESCI7	101032	2023-11-16	2024-11-15			
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2023-11-16	2024-11-15			
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	1			
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	00008	2023-03-24	2024-03-23			
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21			
EZ_EMC	Frad	FA-03A2 RE+	1	1	/			
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	/			
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2023-11-16	2024-11-15			





Undesirable emission	limits (above 1GH	lz)			
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23
Preamplifier	SCHWARZBECK	BBV9744	00246	2023-11-16	2024-11-15
RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2023-11-16	2024-11-15
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2023-11-16	2024-11-15
RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2023-11-16	2024-11-15
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2023-11-16	2024-11-15
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2023-11-16	2024-11-15
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	1
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2023-11-16	2024-11-15
EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESCI7	101032	2023-11-16	2024-11-15
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2023-11-16	2024-11-15
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	1
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	00008	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	1	1	1
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	1	1
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2023-11-16	2024-11-15

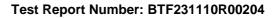


4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

No.	Test Modes	Description
TM1	802.11a mode	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.
TM2	802.11n mode	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
ТМ3	802.11ac mode	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. Only the data of worst case is recorded in the report.
TM4	Normal Operating	Keep the EUT works in normal operating mode and connect to companion device





5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test 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 shall be considered sufficient to comply with the provisions of this section.
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6 Radio Spectrum Matter Test Results (RF)

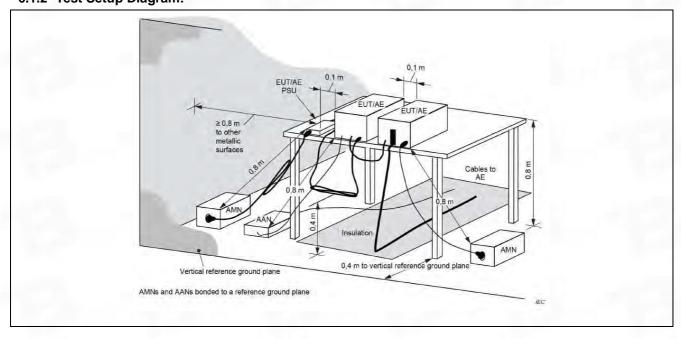
6.1 Conducted Emission at AC power line

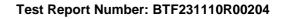
Test Requirement:	47 CFR Part 15.207(a)					
Test Method:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices					
	Frequency of emission (MHz)	Conducted limit (dBµV)				
		Quasi-peak	Average			
Toot Limit:	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5	56	46			
	5-30	60	50			
	*Decreases with the logarithm of the frequency.					

6.1.1 E.U.T. Operation:

Operating Environment:			
Temperature:	25.5 °C		
Humidity:	50.6 %		
Atmospheric Pressure:	1010 mbar		

6.1.2 Test Setup Diagram:

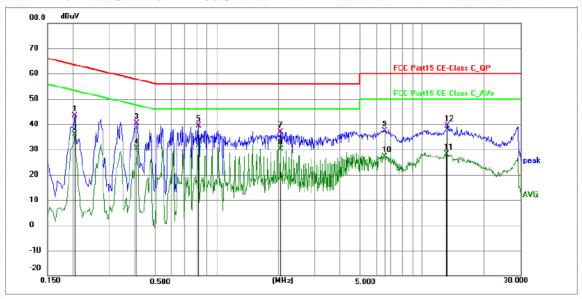






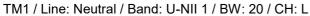
6.1.3 Test Data:

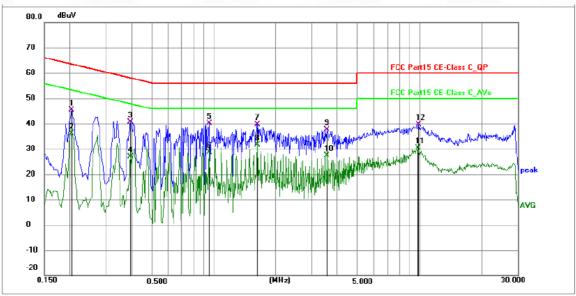
TM1 / Line: Line / Band: U-NII 1 / BW: 20 / CH: L



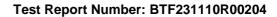
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2040	32.70	10.57	43.27	63.45	-20.18	QP	Р	
2	0.2040	25.38	10.57	35.95	53.45	-17.50	AVG	Р	
3	0.4062	29.19	11.20	40.39	57.73	-17.34	QP	Р	
4	0.4062	19.28	11.20	30.48	47.73	-17.25	AVG	Р	
5	0.8160	28.64	10.69	39.33	56.00	-16.67	QP	Р	
6 *	0.8160	21.00	10.69	31.69	46.00	-14.31	AVG	Р	
7	2.0400	26.29	10.68	36.97	56.00	-19.03	QP	Р	
8	2.0400	19.45	10.68	30.13	46.00	-15.87	AVG	Р	
9	6.5310	26.65	10.78	37.43	60.00	-22.57	QP	Р	
10	6.5310	16.42	10.78	27.20	50.00	-22.80	AVG	Р	
11	13.1010	17.36	10.89	28.25	50.00	-21.75	AVG	Р	
12	13.2090	28.60	10.89	39.49	60.00	-20.51	QP	Р	







No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2040	34.75	10.57	45.32	63.45	-18.13	QP	Р	
2	0.2040	25.53	10.57	36.10	53.45	-17.35	AVG	Р	
3	0.3930	29.47	11.18	40.65	58.00	-17.35	QP	Р	
4	0.3930	15.67	11.18	26.85	48.00	-21.15	AVG	Р	
5	0.9510	29.57	10.67	40.24	56.00	-15.76	QP	Р	
6	0.9510	17.92	10.67	28.59	46.00	-17.41	AVG	Р	
7	1.6305	29.06	10.67	39.73	56.00	-16.27	QP	Р	
8 *	1.6305	21.07	10.67	31.74	46.00	-14.26	AVG	Р	
9	3.5340	26.92	10.63	37.55	56.00	-18.45	QP	Р	
10	3.5340	16.72	10.63	27.35	46.00	-18.65	AVG	Р	
11	9.8201	19.56	10.84	30.40	50.00	-19.60	AVG	Р	
12	9.8925	28.87	10.85	39.72	60.00	-20.28	QP	Р	





6.2 Duty Cycle

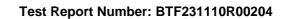
Test Requirement:	All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.
Test Method:	ANSI C63.10-2013 section 12.2 (b)
Test Limit:	No limits, only for report use.
Procedure:	i) Set the center frequency of the instrument to the center frequency of the transmission. ii) Set RBW >= EBW if possible; otherwise, set RBW to the largest available value. iii) Set VBW >= RBW. iv) Set detector = peak. v) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in item a1) of 12.2, and the number of sweep points across duration T exceeds 100.

6.2.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.5 °C
Humidity:	50.6 %
Atmospheric Pressure:	1010 mbar

6.2.2 Test Data:

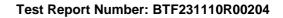
Please Refer to Appendix for Details.





6.3 Maximum conducted output power

6.3 Maximum conducted output power				
	47 CFR Part 15.407(a)(1)(i)			
	47 CFR Part 15.407(a)(1)(ii)			
Total Democratic	47 CFR Part 15.407(a)(1)(iii)			
Test Requirement:	47 CFR Part 15.407(a)(1)(iv)			
	47 CFR Part 15.407(a)(2)			
	47 CFR Part 15.407(a)(3)(i)			
Test Method:	ANSI C63.10-2013, section 12.3			
	For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum			
	conducted output power over the frequency band of operation shall not exceed 1			
	W provided the maximum antenna gain does not exceed 6 dBi.			
	If transmitting antennas of directional gain greater than 6 dBi are used, the			
	maximum conducted output power shall be reduced by the amount in dB that the			
	directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any			
	elevation angle above 30 degrees as measured from the horizon must not exceed			
	125 mW (21 dBm).			
	120 11174 (21 dbitt).			
	For an indoor access point operating in the band 5.15-5.25 GHz, the maximum			
	conducted output power over the frequency band of operation shall not exceed 1			
	W provided the maximum antenna gain does not exceed 6 dBi.			
	If transmitting antennas of directional gain greater than 6 dBi are used, the			
	maximum conducted output power shall be reduced by the amount in dB that the			
	directional gain of the antenna exceeds 6 dBi.			
	directional gain of the afterina exoceds o abi.			
	For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the			
	maximum conducted output power over the frequency band of operation shall not			
	exceed 1 W.			
	Fixed point-to-point U-NII devices may employ antennas with directional gain up to			
	23 dBi without any corresponding reduction in the maximum conducted output			
	power.			
	For fixed point-to-point transmitters that employ a directional antenna gain greater			
Test Limit:	than 23 dBi, a 1 dB reduction in maximum conducted output power is required for			
	each 1 dB of antenna gain in excess of 23 dBi.			
	Fixed, point-to-point operations exclude the use of point-to-multipoint systems,			
	omnidirectional applications, and multiple collocated transmitters transmitting the			
	same information. The operator of the U-NII device, or if the equipment is			
	professionally installed, the installer, is responsible for ensuring that systems			
	employing high gain directional antennas are used exclusively for fixed,			
	point-to-point operations.			
	For client devices in the 5.15-5.25 GHz band, the maximum conducted output			
	power over the frequency band of operation shall not exceed 250 mW provided the			
	maximum antenna gain does not exceed 6 dBi.			
	If transmitting antennas of directional gain greater than 6 dBi are used, the			
	maximum conducted output power shall be reduced by the amount in dB that the			
	directional gain of the antenna exceeds 6 dBi.			
	For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output			
	power over the frequency bands of operation shall not exceed the lesser of 250			
	mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.			
	If transmitting antennas of directional gain greater than 6 dBi are used, the			
	maximum conducted output power shall be reduced by the amount in dB that the			
	directional gain of the antenna exceeds 6 dBi.			
	directional gain of the anterina exceeds 6 dbl.			





	For the band 5.725-5.850 GHz, the maximum conducted output power over the
	frequency band of operation shall not exceed 1 W.
	If transmitting antennas of directional gain greater than 6 dBi are used, the
	maximum conducted output power shall be reduced by the amount in dB that the
	directional gain of the antenna exceeds 6 dBi.
	However, fixed point-to-point U-NII devices operating in this band may employ
	transmitting antennas with directional gain greater than 6 dBi without any
	corresponding reduction in transmitter conducted power. Fixed, point-to-point
	operations exclude the use of point-to-multipoint systems, omnidirectional
	applications, and multiple collocated transmitters transmitting the same
	information. The operator of the U-NII device, or if the equipment is professionally
	installed, the installer, is responsible for ensuring that systems employing high gain
	directional antennas are used exclusively for fixed, point-to-point operations.
	Method SA-1
	a) Set span to encompass the entire 26 dB EBW or 99% OBW of the signal.
	b) Set RBW = 1 MHz.
	c) Set VBW >= 3 MHz.
	d) Number of points in sweep >= [2 × span / RBW]. (This gives bin-to-bin spacing
	<= RBW / 2, so
	that narrowband signals are not lost between frequency bins.)
	e) Sweep time = auto.
	f) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample
	detector mode.
	g) If transmit duty cycle < 98%, use a video trigger with the trigger level set to
	enable triggering
	only on full power pulses. The transmitter shall operate at maximum power control level for the
Procedure:	entire duration of every sweep. If the EUT transmits continuously (i.e., with no OFF
Procedure.	intervals) or
	at duty cycle >= 98%, and if each transmission is entirely at the maximum power
	control level.
	then the trigger shall be set to "free run."
	h) Trace average at least 100 traces in power averaging (rms) mode.
	i) Compute power by integrating the spectrum across the 26 dB EBW or 99% OBW
	of the signal
	using the instrument's band power measurement function, with band limits set
	equal to the
	EBW or OBW band edges. If the instrument does not have a band power function,
	then sum the
	spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB
	EBW or 99%
	OBW of the spectrum.
	ODIT OF the spectrum.

6.3.1 E.U.T. Operation:

Operating Environment:			
Temperature:	25.5 °C		
Humidity:	50.6 %		
Atmospheric Pressure:	1010 mbar		

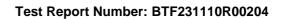
6.3.2 Test Data:

Please Refer to Appendix for Details.





6.4 Power spectral	density
Test Requirement:	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)
Test Method:	ANSI C63.10-2013, section 12.5
	For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the
	maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
Test Limit:	For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density
	shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
	For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
	For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter





	conducted power.
	Fixed, point-to-point operations exclude the use of point-to-multipoint systems,
	omnidirectional applications, and multiple collocated transmitters transmitting the
	same information. The operator of the U-NII device, or if the equipment is
	professionally installed, the installer, is responsible for ensuring that systems
	employing high gain directional antennas are used exclusively for fixed,
	point-to-point operations.
	a) Create an average power spectrum for the EUT operating mode being tested by
	following the
	instructions in 12.3.2 for measuring maximum conducted output power using a
	spectrum
	analyzer or EMI receiver; that is, select the appropriate test method (SA-1, SA-2, SA-3, or their
	respective alternatives) and apply it up to, but not including, the step labeled, "Compute
	power" (This procedure is required even if the maximum conducted output power
	measurement was performed using the power meter method PM.)
	b) Use the peak search function on the instrument to find the peak of the spectrum.
	c) Make the following adjustments to the peak value of the spectrum, if applicable:
	1) If method SA-2 or SA-2A was used, then add [10 log (1 / D)], where D is the duty
	cycle, to the peak of the spectrum.
	2) If method SA-3A was used and the linear mode was used in step h) of 12.3.2.7,
	add
Procedure:	1 dB to the final result to compensate for the difference between linear averaging and
	power averaging.
	d) The result is the PPSD.
	e) The procedure in item a) through item c) requires the use of 1 MHz resolution
	bandwidth to
	satisfy the 1 MHz measurement bandwidth specified by some regulatory authorities.This
	requirement also permits use of resolution bandwidths less than 1 MHz "provided that the
	measured power is integrated to show the total power over the measurement
	bandwidth" (i.e.,
	1 MHz). If measurements are performed using a reduced resolution bandwidth and
	integrated
	over 1 MHz bandwidth, the following adjustments to the procedures apply:
	1) Set RBW >= 1 / T, where T is defined in 12.2 a).
	2) Set VBW >= [3 × RBW].
	3) Care shall be taken such that the measurements are performed during a period
	of continuous transmission or are corrected upward for duty cycle.

6.4.1 E.U.T. Operation:

Operating Environment:		
Temperature:	25.5 °C	
Humidity:	50.6 %	
Atmospheric Pressure:	1010 mbar	

6.4.2 Test Data:

Please Refer to Appendix for Details.



6.5 Emission bandwidth and occupied bandwidth

	LI NII 4 LI NII 24 LI NII 20 No limite enly for report use
Test Requirement:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. U-NII 3, U-NII 4: 47 CFR Part 15.407(e)
Test Method:	ANSI C63.10-2013, section 6.9.3 & 12.4 KDB 789033 D02, Clause C.2
Test Limit:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. U-NII 3, U-NII 4: Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.
	Emission bandwidth: a) Set RBW = approximately 1% of the emission bandwidth. b) Set the VBW > RBW. c) Detector = peak. d) Trace mode = max hold. e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
	Occupied bandwidth: a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the
Procedure:	applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral
	envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
	d) Step a) through step c) might require iteration to adjust within the specified range.
	e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be
	used. f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
	g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude
	data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the
	total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the
	total is reached; that frequency is recorded as the upper frequency. The 99%





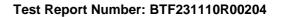
power bandwidth is
the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument
display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may
be reported in addition to the plot(s).
6 dB emission bandwidth: a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 >= RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the
frequencies associated with the two outermost amplitude points (upper and lower
frequencies) that are attenuated by 6 dB relative to the maximum level measured
in the fundamental emission.

6.5.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.5 °C
Humidity:	50.6 %
Atmospheric Pressure:	1010 mbar

6.5.2 Test Data:

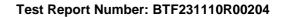
Please Refer to Appendix for Details.





6.6 Band edge emissions (Radiated)

Test Requirement:	47 CFR Part 15.407(b)(47 CFR Part 15.407(b)(
rest Requirement:	47 CFR Part 15.407(b)(2)					
	47 CFR Part 15.407(b)(
	47 CFR Part 15.407(b)(
	ANSI C63.10-2013, section 12.7.4, 12.7.5, 12.7.6					
	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the					
	5.15-5.35 GHz band sh	O				
	For transmitters operati 5.15-5.35 GHz band sh					
	For transmitters operati	ng sololy in the 5.725	5 950 CHz band			
	All emissions shall be li					
	or below the band edge					
	below the band edge, a					
	linearly to a level of 15.6					
	from 5 MHz above or be					
	dBm/MHz at the band e	•	5 ,			
	MHz	MHz	MHz	GHz		
	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15		
	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46		
	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75		
	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5		
	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2		
	4.20725-4.20775	73-74.6	1645.5-1646.	9.3-9.5		
			5			
	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7		
Test Limit:	6.26775-6.26825	108-121.94	1718.8-1722. 2	13.25-13.4		
rest Limit.	6.31175-6.31225	123-138	2200-2300	14.47-14.5		
	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2		
	8.362-8.366	156.52475-156.525 25	2483.5-2500	17.7-21.4		
	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12		
	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0		
	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8		
	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5		
	12.57675-12.57725 322-335.4 3600-4400 (²) 13.36-13.41					
	¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.					
	² Above 38.6					
	The field strength of are	ingiana appaaring	in those from:	ov bondo oball not		
	The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209shall be demonstrated based on the average value of the measured emissions. The provisions in §					
	15.35apply to these measurements.					
Except as provided elsewhere in this subpart, the emissions from an intentional						

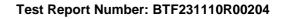




	radiator shall not exceed the	e field strength levels specified	in the following table:		
	Frequency (MHz)	Field strength	Measurement		
	, , , ,	(microvolts/meter)	distance		
		`	(meters)		
	0.009-0.490	2400/F(kHz)	300		
	0.490-1.705	24000/F(kHz)	30		
	1.705-30.0	30	30		
	30-88	100 **	3		
	88-216	150 **	3		
	216-960	200 **	3		
	Above 960	500	3		
	Above 1GHz:				
		T was placed on the top of a rot	ating table 1.5 meters		
		eter fully-anechoic chamber. The			
		osition of the highest radiation.	table was rotated 500		
		rs away from the interference-re	occiving antonna which		
		a variable-height antenna tower			
		ried from one meter to four meter			
		lue of the field strength. Both ho	•		
	polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to beights from 1 meters to 4 meters (for the test frequency)				
	the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.				
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit				
		be stopped and the peak value			
		issions that did not have 10dB r			
		peak or average method as spe			
Procedure:	in a data sheet.	peak of average method as spe	cilied and then reported		
Flocedule.		st channel, the middle channel,	the Highest channel		
		ents are performed in X, Y, Z ax			
		nd the X axis positioning which			
		s until all frequencies measured			
	Remark:	ditti ali frequericies frieasureu	was complete.		
		le Loss+ Antenna Factor- Prear	nn Eactor		
		GHz, the disturbance above 18G			
		ots are the highest emissions co			
	testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the lin need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limit				
		i. However, the peak field streng			
		ermitted average limits specified			
		nodulation. For the emissions when			
		the peak measurement is show			
		8GHz were very low and the ha			
		d when testing, so only the abov	e narmonics had been		
	displayed.				

6.6.1 E.U.T. Operation:

Operating Environment:	Operating Environment:						
Temperature:	25.5 °C						
Humidity:	50.6 %						

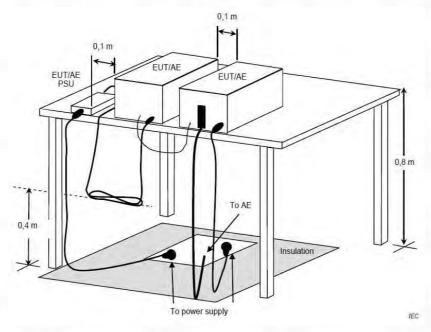




Atmospheric Pressure:

1010 mbar

6.6.2 Test Setup Diagram:







6.6.3 Test Data:

Note: All the mode have been tested, and only the worst mode 802.11a are in the report

UNII-1 20M 5180MHz Horizontal

No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
1	5096.675	84.99	-31.76	53.23	68.20	-14.97	peak	Р
2	5150.000	85.59	-31.72	53.87	68.20	-14.33	peak	Р

UNII-1 20M_5180MHz_Vertical

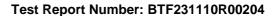
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F /F
1	5085.155	86.01	-31.76	54.25	68.20	-13.95	peak	Р
2	5150.000	86.61	-31.72	54.89	68.20	-13.31	peak	Р

UNII-1 20M_5320MHz_Horizontal

No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
1	5350.000	85.68	-31.92	53.76	68.20	-14.44	peak	Р
2	5415.325	84.05	-31.88	52.17	68.20	-16.03	peak	Р

UNII-1 20M_5320MHz_Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5350.000	86.36	-31.92	54.44	68.20	-13.76	peak	Р
2	5426.535	84.73	-31.88	52.85	68.20	-15.35	peak	Р





UNII-3 20M_5745MHz_Horizontal

No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Г/Г
1	5650.000	85.61	-31.84	53.77	68.20	-14.43	peak	Р
2	5700.000	92.55	-31.95	60.60	105.60	-45.00	peak	Р
3	5720.000	93.45	-32.01	61.44	110.8	-49.36	peak	Р

UNII-1 20M_5745MHz_Vertical

		. — "	_						
	No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
	1	5650.000	86.46	-31.84	54.62	68.20	-13.58	peak	Р
	2	5700.000	93.40	-31.95	61.45	105.60	-44.15	peak	Р
	3	5720.000	94.30	-32.01	62.29	110.8	-48.51	peak	Р

UNII-3 20M 5825MHz Horizontal

	No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	10.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	1 /1
	1	5850.000	87.04	-31.91	55.13	122.20	-67.07	peak	Р
	2	5875.000	93.98	-32.02	61.96	110.80	-48.84	peak	Р
	3	5925.000	94.88	-32.08	62.80	68.20	-5.40	peak	Р

UNII-3 20M_5825MHz_Vertical

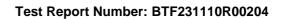
No	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
No.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
1	5850.000	87.56	-31.91	55.65	122.20	-66.55	peak	Р
2	5875.000	94.50	-32.02	62.48	110.80	-48.32	peak	Р
3	5925.000	95.40	-32.08	63.32	68.20	-4.88	peak	Р





6.7 Undesirable emission limits (below 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(•	
Test Method:	ANSI C63.10-2013, sec	tion 12.7.4, 12.7.5, 12.7.6	
	limits set forth in § 15.2 Except as provided else	ewhere in this subpart, the emis	ssions from an intentional
Test Limit:	radiator shall not excee Frequency (MHz)	d the field strength levels speci Field strength (microvolts/meter)	ified in the following table: Measurement distance (meters)
TOST EITHE.	0.009-0.490 0.490-1.705 1.705-30.0 30-88 88-216 216-960 Above 960	2400/F(kHz) 24000/F(kHz) 30 100 ** 150 ** 200 **	300 30 30 3 3 3 3
Procedure:	Below 1GHz: a. For below 1GHz, the above the ground at a 3 degrees to determine the b. The EUT was set 3 of which was mounted on c. The antenna height is determine the maximum polarizations of the antended. For each suspected of the antenna was turned of below 30MHz, the antenna was turned from 0 degree. The test-receiver system Bandwidth with Maximum for the emission level of specified, then testing or reported. Otherwise the re-tested one by one us data sheet. g. Test the EUT in the load to the readiation measure. Transmitting mode, and in the readiation measure. The readiation measure the rested on above testing, so only above pemissions from the radiation meed not be reported. 3. The disturbance beload.	EUT was placed on the top of a meter semi-anechoic chamber the position of the highest radiator 10 meters away from the intest the top of a variable-height antor a varied from one meter to four an value of the field strength. Both are set to make the meast the meast to heights from 1 meter to 4 meterna was tuned to heights 1 nees to 360 degrees to find the fitter was set to Peak Detect Full the meter was set to Peak Detect Full the meter semi-aneces to 360 degrees to find the fitter was set to Peak Detect Full the meter semi-aneces to 360 degrees to find the fitter was set to Peak Detect Full the meter semi-aneces to 360 degrees to find the fitter was set to Peak Detect Full the meter semi-aneces to 360 degrees to find the fitter was set to Peak Detect Full the meter semi-aneces to 360 degrees to find the fitter was set to Peak Detect Full the fitter was set to Pe	a rotating table 0.8 meters r. The table was rotated 360 ion. rference-receiving antenna, renna tower. meters above the ground to th horizontal and vertical urement. ed to its worst case and then eters (for the test frequency neter) and the rotatable table maximum reading. Inction and Specified OdB lower than the limit values of the EUT would be odB margin would be cified and then reported in a linel, the Highest channel. Z axis positioning for which it is the worst case. Included the record of the could be found when amplitude of spurious ethan 20dB below the limit tharmonics were the highest

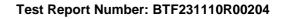




- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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 or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

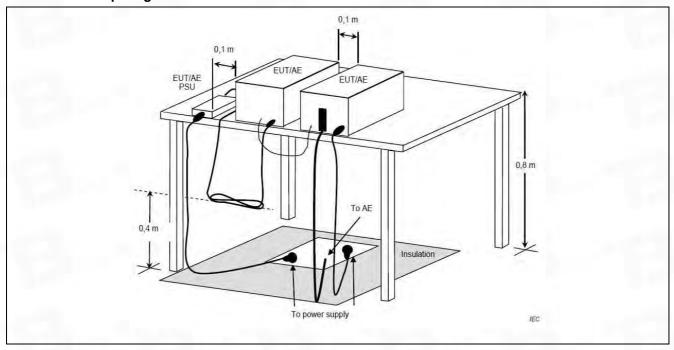
6.7.1 E.U.T. Operation:

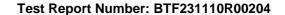
Operating Environment:	
Temperature:	25.5 °C
Humidity:	50.6 %
Atmospheric Pressure:	1010 mbar





6.7.2 Test Setup Diagram:

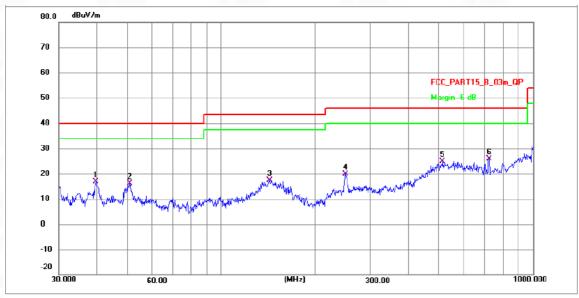






6.7.3 Test Data:

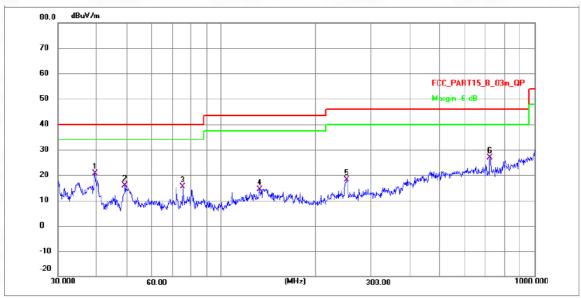
Note: All the mode have been tested, and only the worst mode are in the report TM1 / Polarization: Horizontal / Band: U-NII 1 / BW: 20 / CH: L



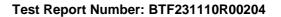
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	39.7146	35.16	-18.40	16.76	40.00	-23.24	QP	Р
2	50.8526	34.31	-18.27	16.04	40.00	-23.96	QP	Р
3	142.5740	45.11	-27.84	17.27	43.50	-26.23	QP	Р
4	251.1802	45.82	-25.84	19.98	46.00	-26.02	QP	Р
5	512.7332	46.22	-21.27	24.95	46.00	-21.05	QP	Р
6 *	722.9923	49.56	-23.69	25.87	46.00	-20.13	QP	Р







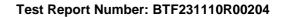
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	39.5064	41.26	-20.54	20.72	40.00	-19.28	QP	Р
2	49.2730	36.26	-20.33	15.93	40.00	-24.07	QP	Р
3	75.4464	35.30	-19.90	15.40	40.00	-24.60	QP	Р
4	132.4526	42.35	-27.93	14.42	43.50	-29.08	QP	Р
5	251.6212	43.87	-25.84	18.03	46.00	-27.97	QP	Р
6 *	721.7259	50.50	-23.68	26.82	46.00	-19.18	QP	Р





6.8 Undesirable emission limits (above 1GHz)

6.8 Undesirable e	mission limits (abov	•					
	47 CFR Part 15.407(b)						
Test Requirement:	47 CFR Part 15.407(b)(2)						
rest requirement.	47 CFR Part 15.407(b)(4)						
	47 CFR Part 15.407(b)	(10)					
Test Method:	ANSI C63.10-2013, section 12.7.4, 12.7.5, 12.7.6						
	For transmitters operate	ting in the 5.15-5.25 GH	Iz band: All emis	ssions outside of the			
	5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.						
	For transmitters operate	ting in the 5.25-5.35 GH	Iz band: All emis	ssions outside of the			
	5.15-5.35 GHz band sl	nall not exceed an e.i.r.	p. of −27 dBm/N	1Hz.			
	For transmitters operating solely in the 5.725-5.850 GHz band:						
		ling solely in the 5.725- limited to a level of −27					
		e increasing linearly to					
	below the band edge, and from 25 MHz above or below the band edge i linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band e from 5 MHz above or below the band edge increasing linearly to a level						
			creasing linearly	to a level of 27			
	dBm/MHz at the band	•	NALL-	OU-			
	MHz	MHz	MHz	GHz			
	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15			
	¹ 0.495-0.505	16.69475-16.69525		5.35-5.46			
	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75			
	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5			
	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2			
	4.20725-4.20775	73-74.6	1645.5-1646.	9.3-9.5			
			5				
	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7			
	6.26775-6.26825	108-121.94	1718.8-1722.	13.25-13.4			
			2				
Test Limit:	6.31175-6.31225	123-138	2200-2300	14.47-14.5			
root Emilit.	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2			
	8.362-8.366	156.52475-156.525 25	2483.5-2500	17.7-21.4			
	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12			
	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0			
	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8			
	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5			
	12.57675-12.57725	322-335.4	3600-4400	(²)			
	13.36-13.41			()			
	1, , ,,, = , , , , , , , , , , , , , , ,			- 40 1 11 1			
	² Above 38.6	9, this restricted band s	hall be 0.490-0.5	o10 MHz.			
		nissions appearing with					
		n in § 15.209. At freque					
	MHz, compliance with	the limits in § 15.209sh	all be demonstra	ated using			
		entation employing a Cl					
		with the emission limit					
	based on the average value of the measured emissions. The provisions in §						
	15.35apply to these m	easurements.					
	Except as provided elsewhere in this subpart, the emissions from an intentional						
radiator shall not exceed the field strength levels specified in the following							
	Frequency (MHz)	Field strength		Measurement			
	i requericy (IVII IZ)	i ieiu strengtii		Measurement			





		(microvolts/meter)	distance				
		(IIIICIOVOIIS/IIIEIEI)					
	0.000.0.400	0400/5/1-11-)	(meters)				
	0.009-0.490	2400/F(kHz)	300				
	0.490-1.705	24000/F(kHz)	30				
	1.705-30.0	30	30				
	30-88	100 **	3				
	88-216	150 **	3				
	216-960	200 **	3				
	Above 960	500	3				
	Above 1GHz:						
	a. For above 1GHz, t	he EUT was placed on the top of	a rotating table 1.5 meters				
		a 3 meter fully-anechoic chamber					
		the position of the highest radiat					
		b. The EUT was set 3 meters away from the interference-receiving antenna					
		was mounted on the top of a variable-height antenna tower. c. 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. d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified					
		Bandwidth with Maximum Hold Mode. f. 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					
		he emissions that did not have 10					
	re-tested one by one	using peak or average method as	s specified and then reported				
Procedure:	in a data sheet.						
	g. Test the EUT in the	e lowest channel, the middle char	nnel, the Highest channel.				
	h. The radiation meas	surements are performed in X, Y,	Z axis positioning for				
	Transmitting mode, a	nd found the X axis positioning w	hich it is the worst case.				
	i. Repeat above proc	edures until all frequencies meas	ured was complete.				
	Remark:						
	1. Level= Read Level	+ Cable Loss+ Antenna Factor- F	Preamp Factor				
		to 40GHz, the disturbance above					
		ove plots are the highest emission					
		e points had been displayed. The					
	emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.						
	3. As shown in this section, for frequencies above 1GHz, the field strength limits						
		e limits. However, the peak field s					
		num permitted average limits spe					
	dB under any condition	on of modulation. For the emissio	ns wnose peak level is lower				

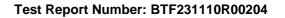
6.8.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.5 °C
Humidity:	50.6 %
Atmospheric Pressure:	1010 mbar

than the average limit, only the peak measurement is shown in the report.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been

displayed.





6.8.2 Test Data:

Note:All of the mode had be tested, only the worse mode of 802.11a are show in the report: UNII-1_20M_5180MHz_Horizontal

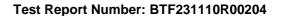
				_	. –			
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
NO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
1	1255.987	75.18	-24.07	51.11	74.00	-22.89	peak	Р
2	2870.613	74.17	-20.72	53.45	74.00	-20.55	peak	Р
3	5944.687	72.53	-17.75	54.78	74.00	-19.22	peak	Р
4	7772.039	75.38	-24.59	50.79	74.00	-23.21	peak	Р
5	9667.576	78.00	-22.87	55.13	74.00	-18.87	peak	Р
6	13852.822	77.80	-21.60	56.20	74.00	-17.80	peak	Р

UNII-1 20M 5180MHz Vertical

No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
1	1144.765	73.53	-23.95	49.58	74.00	-24.42	peak	Р
2	2759.391	74.76	-20.60	54.16	74.00	-19.84	peak	Р
3	5655.421	73.12	-17.63	55.49	74.00	-18.51	peak	Р
4	7660.817	75.97	-24.47	51.50	74.00	-22.50	peak	Р
5	9556.354	78.59	-22.75	55.84	74.00	-18.16	peak	Р
6	13741.600	78.39	-21.48	56.91	74.00	-17.09	peak	Р

UNII-1_20M_5200MHz_Horizontal

No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
1	1457.876	76.27	-24.14	52.13	74.00	-21.87	peak	Р
2	3072.502	75.26	-20.79	54.47	74.00	-19.53	peak	Р
3	6146.576	73.62	-17.82	55.80	74.00	-18.20	peak	Р
4	7973.928	76.47	-24.66	51.81	74.00	-22.19	peak	Р
5	9869.465	79.09	-22.94	56.15	74.00	-17.85	peak	Р
6	14054.711	78.89	-21.67	57.22	74.00	-16.78	peak	Р





UNII-1 20M 5200MHz Vertical

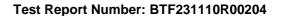
			OTVIT-1_ZOTVI_OZOOTVIT1Z_VCTUOdi						
Г	No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
	NO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
	1	1346.654	74.62	-24.02	50.60	74.00	-23.40	peak	Р
	2	2961.280	75.85	-20.67	55.18	74.00	-18.82	peak	Р
	3	5857.310	74.21	-17.70	56.51	74.00	-17.49	peak	Р
Г	4	7862.706	77.06	-24.54	52.52	74.00	-21.48	peak	Р
	5	9758.243	79.68	-22.82	56.86	74.00	-17.14	peak	Р
	6	13943.489	79.48	-21.55	57.93	74.00	-16.07	peak	Р

UNII-1_20M_5240MHz_Horizontal

			orth i_lottletine_from in_from						
P/F	Detector	Margin	Limit	Level	Factor	Reading	Frequency	No.	
P/F	Detector	(dB)	(dBuV/m)	(dBuV/m)	(dB/m)	(dBuV)	(MHz)	NO.	
Р	peak	-20.60	74.00	53.40	-23.87	77.27	1588.950	1	
Р	peak	-18.26	74.00	55.74	-20.52	76.26	3203.576	2	
Р	peak	-16.93	74.00	57.07	-17.55	74.62	6277.650	3	
Р	peak	-20.92	74.00	53.08	-24.39	77.47	8105.002	4	
Р	peak	-16.58	74.00	57.42	-22.67	80.09	10000.539	5	
Р	peak	-15.51	74.00	58.49	-21.40	79.89	14185.785	6	
-								_	

UNII-1 20M 5240MHz Vertical

			. 0 2	-0111_02 1011	и .			
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
1	1477.728	75.62	-23.75	51.87	74.00	-22.13	peak	Р
2	3092.354	76.85	-20.40	56.45	74.00	-17.55	peak	Р
3	5988.384	75.21	-17.43	57.78	74.00	-16.22	peak	Р
4	7993.780	78.06	-24.27	53.79	74.00	-20.21	peak	Р
5	9889.317	80.68	-22.55	58.13	74.00	-15.87	peak	Р
6	14074.563	80.48	-21.28	59.20	74.00	-14.80	peak	Р





UNII-3_20M_5745MHz_Horizontal

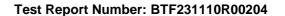
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
1	1458.320	79.59	-24.26	55.33	74.00	-18.67	peak	Р
2	3072.946	78.58	-20.91	57.67	74.00	-16.33	peak	Р
3	6147.020	76.94	-17.94	59.00	74.00	-15.00	peak	Р
4	7974.372	79.79	-24.78	55.01	74.00	-18.99	peak	Р
5	9869.909	82.41	-23.06	59.35	74.00	-14.65	peak	Р
6	14055.155	82.21	-21.79	60.42	74.00	-13.58	peak	Р

UNII-3 20M 5745MHz Vertical

		01411-0_20141_07-4014112_vertical						
No	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	17/1
1	1347.098	77.94	-24.14	53.80	74.00	-20.20	peak	Р
2	2961.724	79.17	-20.79	58.38	74.00	-15.62	peak	Р
3	5857.754	77.53	-17.82	59.71	74.00	-14.29	peak	Р
4	7863.150	80.38	-24.66	55.72	74.00	-18.28	peak	Р
5	9758.687	83.00	-22.94	60.06	74.00	-13.94	peak	Р
6	13943.933	82.80	-21.67	61.13	74.00	-12.87	peak	Р

UNII-3_20M_5785MHz_Horizontal

No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
1	2090.987	79.84	-24.17	55.67	74.00	-18.33	peak	Р
2	3705.613	78.83	-20.82	58.01	74.00	-15.99	peak	Р
3	6779.687	77.19	-17.85	59.34	74.00	-14.66	peak	Р
4	8607.039	80.04	-24.69	55.35	74.00	-18.65	peak	Р
5	10502.576	82.66	-22.97	59.69	74.00	-14.31	peak	Р
6	14687.822	82.46	-21.70	60.76	74.00	-13.24	peak	Р





UNII-3 20M 5785MHz Vertical

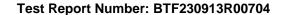
				0111110_	20111_07 001				
	la.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
ľ	No.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F
	1	1979.765	78.19	-24.05	54.14	74.00	-19.86	peak	Р
	2	3594.391	79.42	-20.70	58.72	74.00	-15.28	peak	Р
	3	6490.421	77.78	-17.73	60.05	74.00	-13.95	peak	Р
	4	8495.817	80.63	-24.57	56.06	74.00	-17.94	peak	Р
	5	10391.354	83.25	-22.85	60.40	74.00	-13.60	peak	Р
	6	14576.600	83.05	-21.58	61.47	74.00	-12.53	peak	Р

UNII-3 20M 5825MHz Horizontal

			_	. – .			
Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
2255.950	80.49	-24.28	56.21	74.00	-17.79	peak	Р
3870.576	79.48	-20.93	58.55	74.00	-15.45	peak	Р
6944.650	77.84	-17.96	59.88	74.00	-14.12	peak	Р
8772.002	80.69	-24.80	55.89	74.00	-18.11	peak	Р
10667.539	83.31	-23.08	60.23	74.00	-13.77	peak	Р
14852.785	83.11	-21.81	61.30	74.00	-12.70	peak	Р
	(MHz) 2255.950 3870.576 6944.650 8772.002 10667.539	(MHz) (dBuV) 2255.950 80.49 3870.576 79.48 6944.650 77.84 8772.002 80.69 10667.539 83.31	(MHz) (dBuV) (dB/m) 2255.950 80.49 -24.28 3870.576 79.48 -20.93 6944.650 77.84 -17.96 8772.002 80.69 -24.80 10667.539 83.31 -23.08	(MHz) (dBuV) (dB/m) (dBuV/m) 2255.950 80.49 -24.28 56.21 3870.576 79.48 -20.93 58.55 6944.650 77.84 -17.96 59.88 8772.002 80.69 -24.80 55.89 10667.539 83.31 -23.08 60.23	(MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) 2255.950 80.49 -24.28 56.21 74.00 3870.576 79.48 -20.93 58.55 74.00 6944.650 77.84 -17.96 59.88 74.00 8772.002 80.69 -24.80 55.89 74.00 10667.539 83.31 -23.08 60.23 74.00	(MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) (dB) 2255.950 80.49 -24.28 56.21 74.00 -17.79 3870.576 79.48 -20.93 58.55 74.00 -15.45 6944.650 77.84 -17.96 59.88 74.00 -14.12 8772.002 80.69 -24.80 55.89 74.00 -18.11 10667.539 83.31 -23.08 60.23 74.00 -13.77	(MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) (dB) Detector 2255.950 80.49 -24.28 56.21 74.00 -17.79 peak 3870.576 79.48 -20.93 58.55 74.00 -15.45 peak 6944.650 77.84 -17.96 59.88 74.00 -14.12 peak 8772.002 80.69 -24.80 55.89 74.00 -18.11 peak 10667.539 83.31 -23.08 60.23 74.00 -13.77 peak

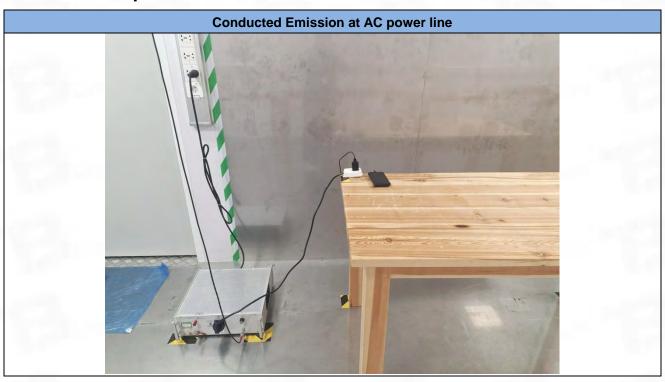
UNII-3_20M_5825MHz_Vertical

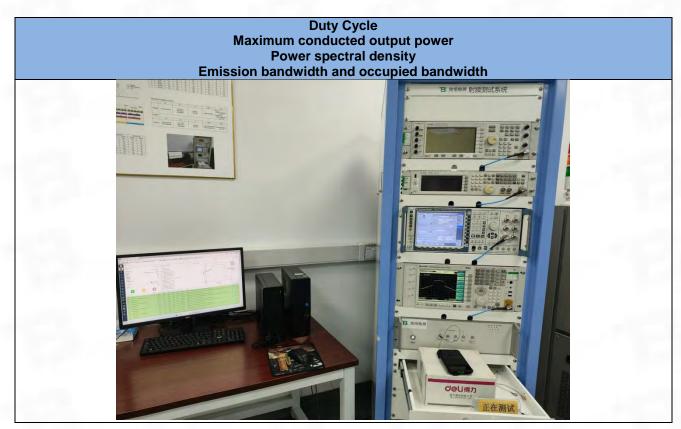
- 1					_				
	No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F
	INO.	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	F/F
	1	2144.728	78.84	-24.16	54.68	74.00	-19.32	peak	Р
	2	3759.354	80.07	-20.81	59.26	74.00	-14.74	peak	Р
	3	6655.384	78.43	-17.84	60.59	74.00	-13.41	peak	Р
	4	8660.780	81.28	-24.68	56.60	74.00	-17.40	peak	Р
ľ	5	10556.317	83.90	-22.96	60.94	74.00	-13.06	peak	Р
	6	14741.563	83.70	-21.69	62.01	74.00	-11.99	peak	Р

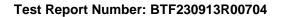




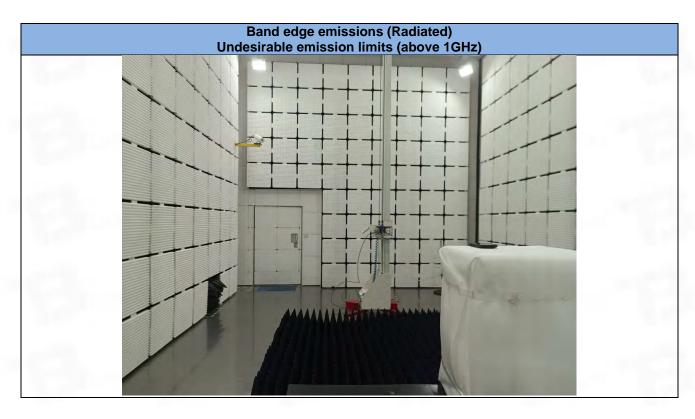
7 Test Setup Photos

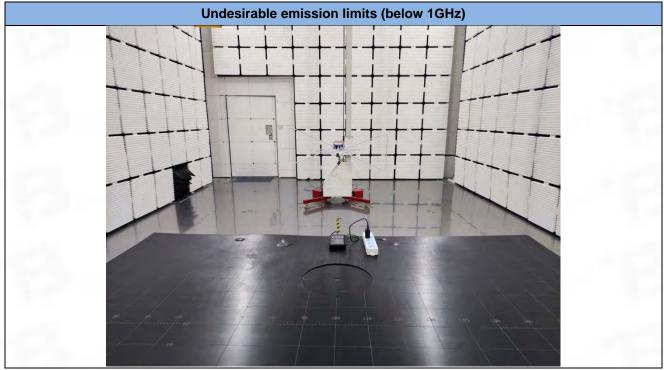


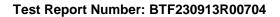








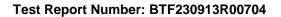






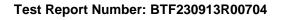
EUT Constructional Details (EUT Photos)

Please refer to the report No.BTF230913R00701





Appendix





1. Duty Cycle

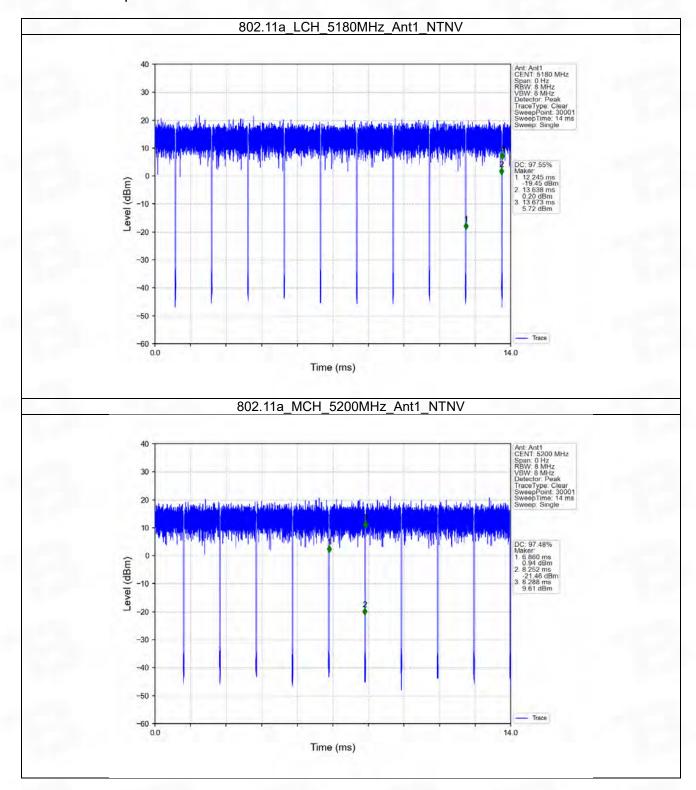
1.1 Ant1

1.1.1 Test Result

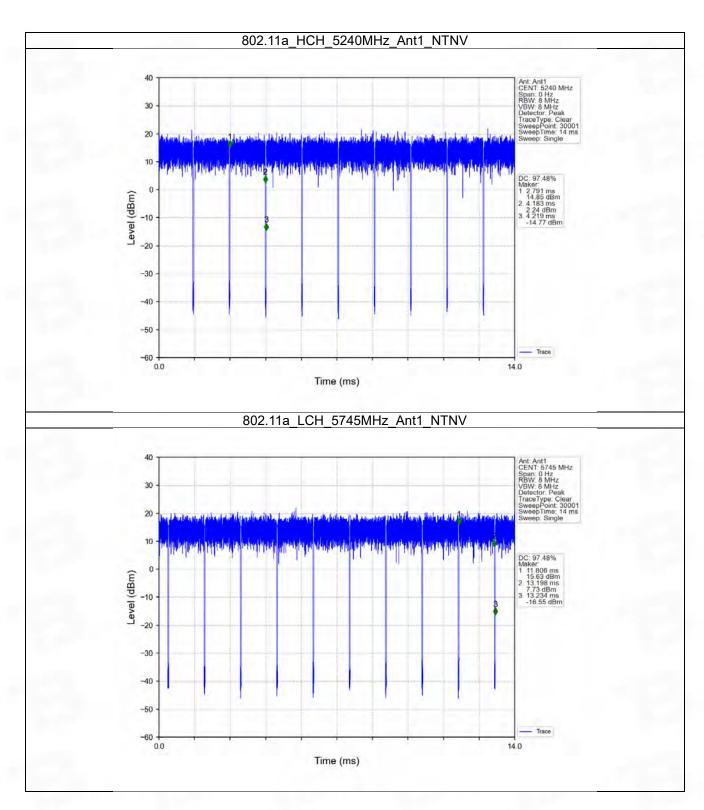
				/	Ant1		
Mode	TX	Frequency	T_on	Period	Duty Cycle	Duty Cycle	Max. DC
	Type	(MHz)	(ms)	(ms)	(%)	Correction Factor (dB)	Variation (%)
802.11a	SISO	5180	1.393	1.428	97.55	0.11	0.10
		5200	1.392	1.428	97.48	0.11	0.10
		5240	1.392	1.428	97.48	0.11	0.00
		5745	1.392	1.428	97.48	0.11	0.03
		5785	1.392	1.428	97.48	0.11	0.06
		5825	1.394	1.428	97.62	0.10	0.06
802.11n (HT20)	SISO	5180	1.392	1.427	97.55	0.11	0.03
		5200	1.392	1.428	97.48	0.11	0.03
		5240	1.392	1.428	97.48	0.11	0.06
		5745	1.394	1.429	97.55	0.11	0.10
		5785	1.394	1.428	97.62	0.10	0.06
		5825	1.392	1.428	97.48	0.11	0.03
802.11n (HT40)	SISO	5190	1.393	1.427	97.62	0.10	0.03
		5230	1.392	1.426	97.62	0.10	0.03
		5755	1.392	1.427	97.55	0.11	0.06
		5795	1.393	1.427	97.62	0.10	0.03
802.11ac (VHT20)	SISO	5180	1.314	1.348	97.48	0.11	0.07
		5200	1.312	1.348	97.33	0.12	0.07
		5240	1.312	1.347	97.40	0.11	0.03
		5745	0.325	0.358	90.78	0.42	0.07
		5785	1.313	1.347	97.48	0.11	0.07
		5825	1.313	1.348	97.40	0.11	0.03
802.11ac (VHT40)	SISO	5190	0.654	0.687	95.20	0.21	0.03
		5230	0.652	0.687	94.91	0.23	0.07
		5755	0.654	0.687	95.20	0.21	0.04
		5795	0.652	0.687	94.91	0.23	0.00
802.11ac	SISO	5210	0.324	0.358	90.50	0.43	0.07
(VHT80)		5775	0.324	0.358	90.50	0.43	0.11



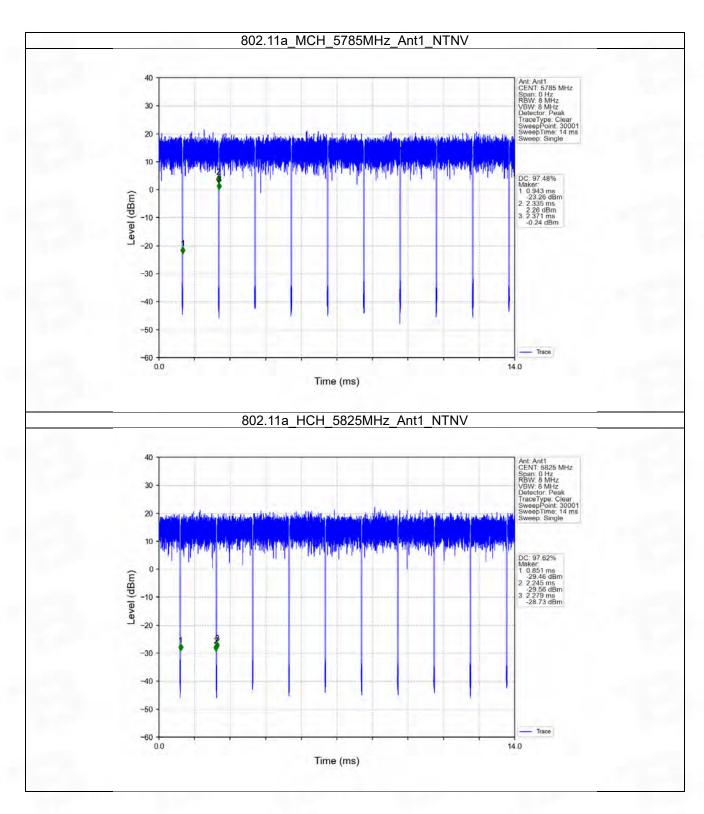
1.1.2 Test Graph



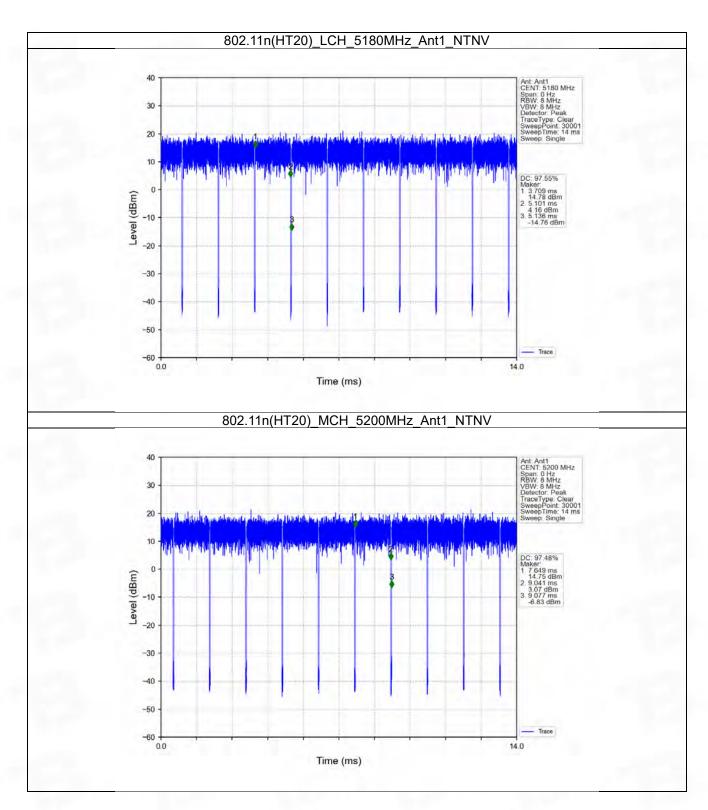




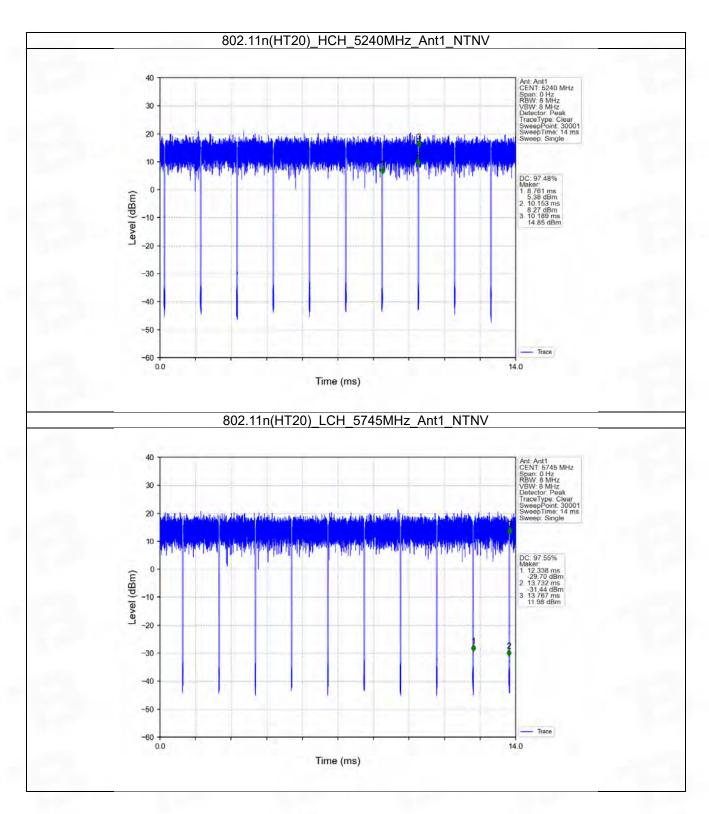




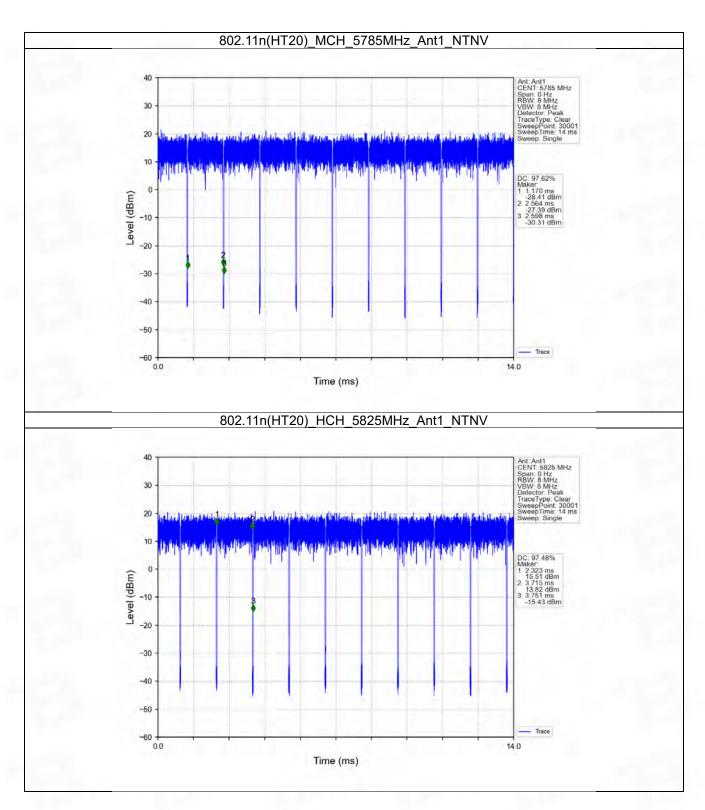




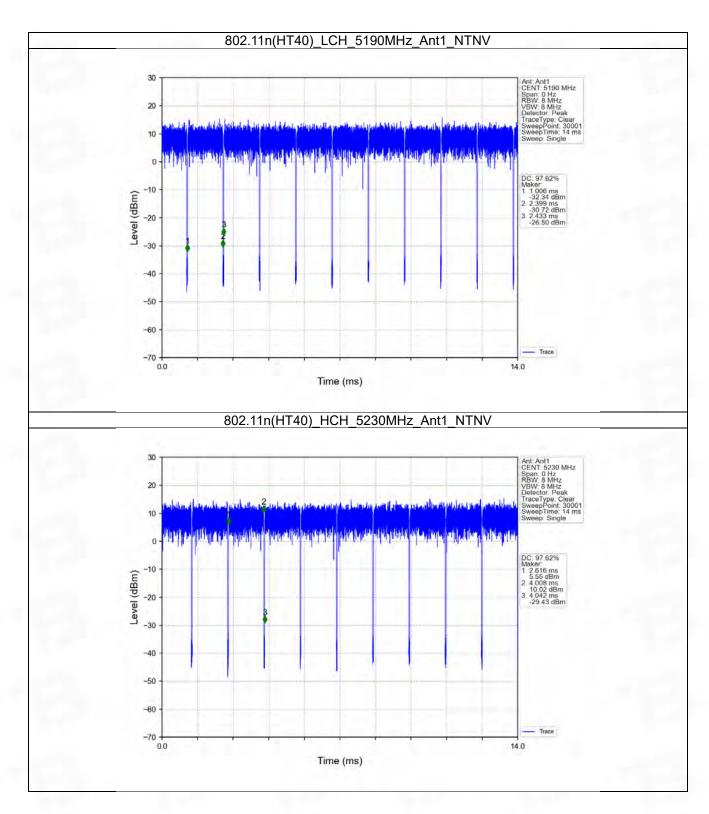




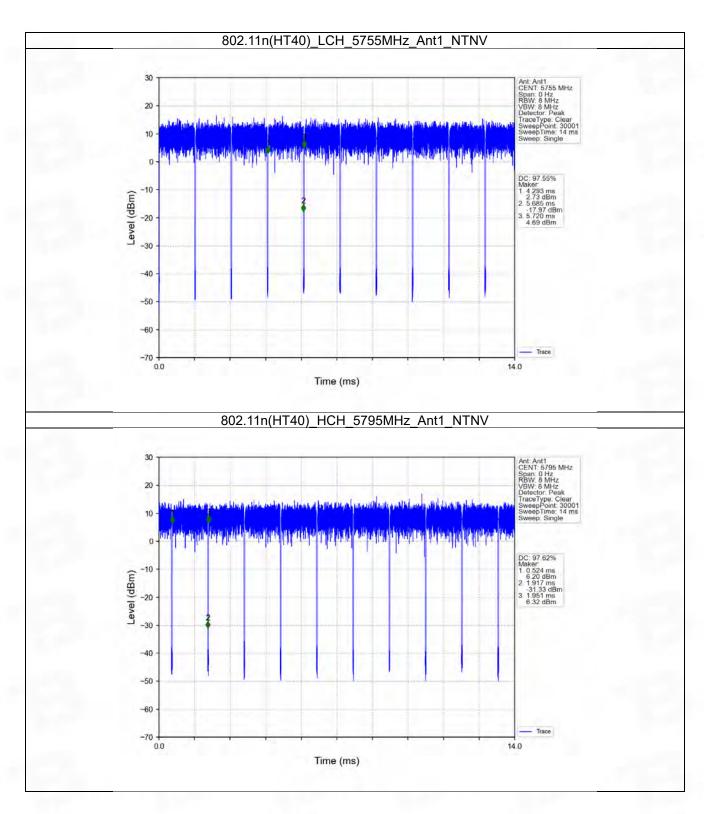




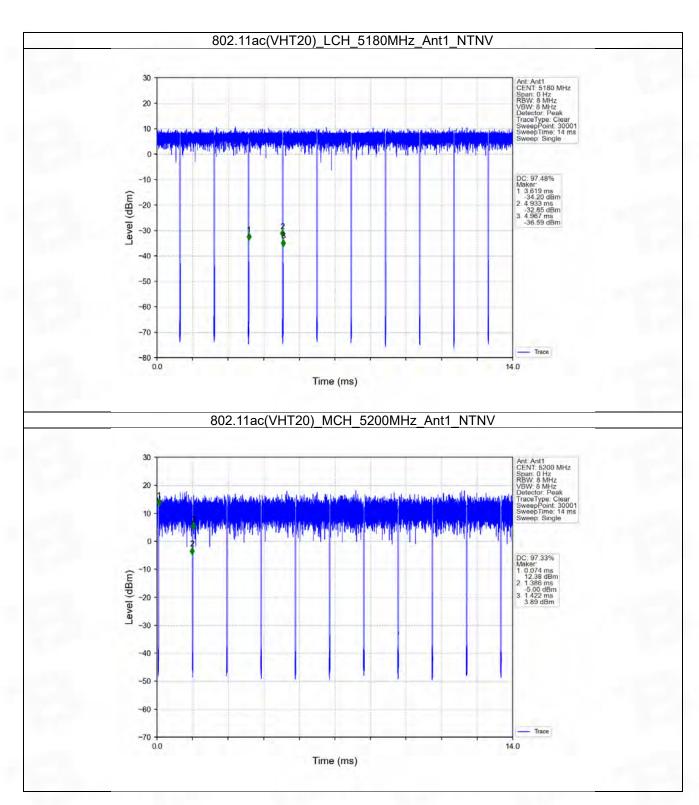




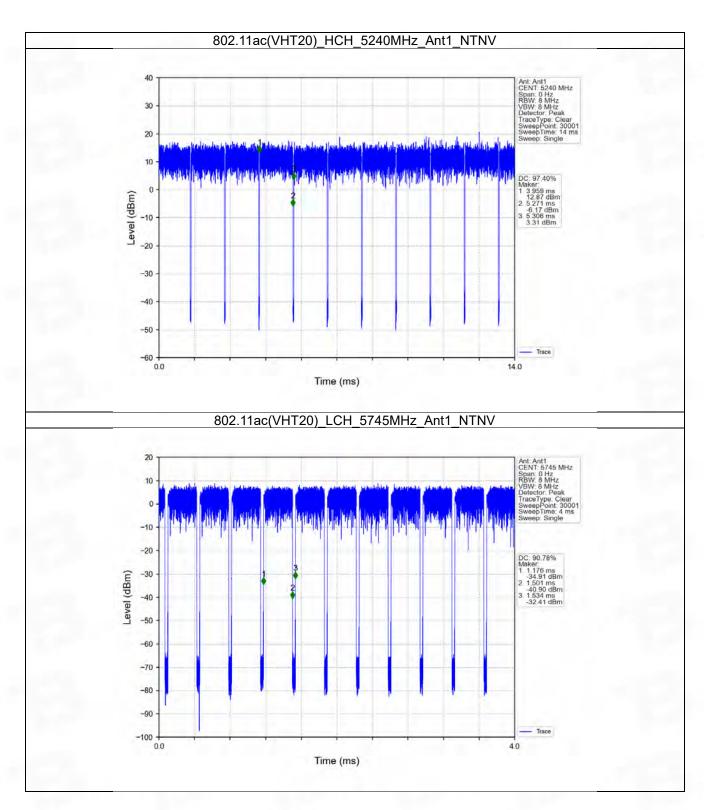




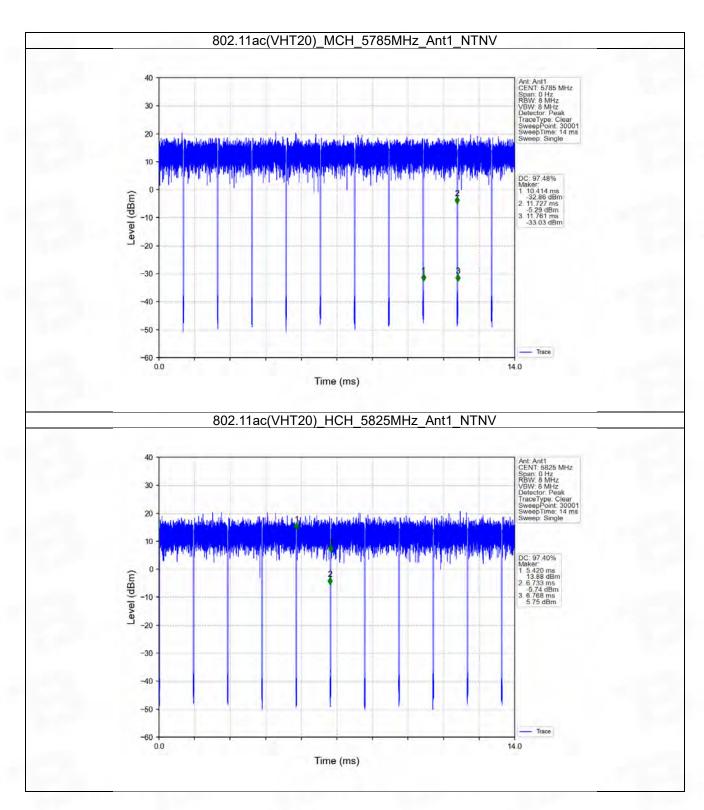




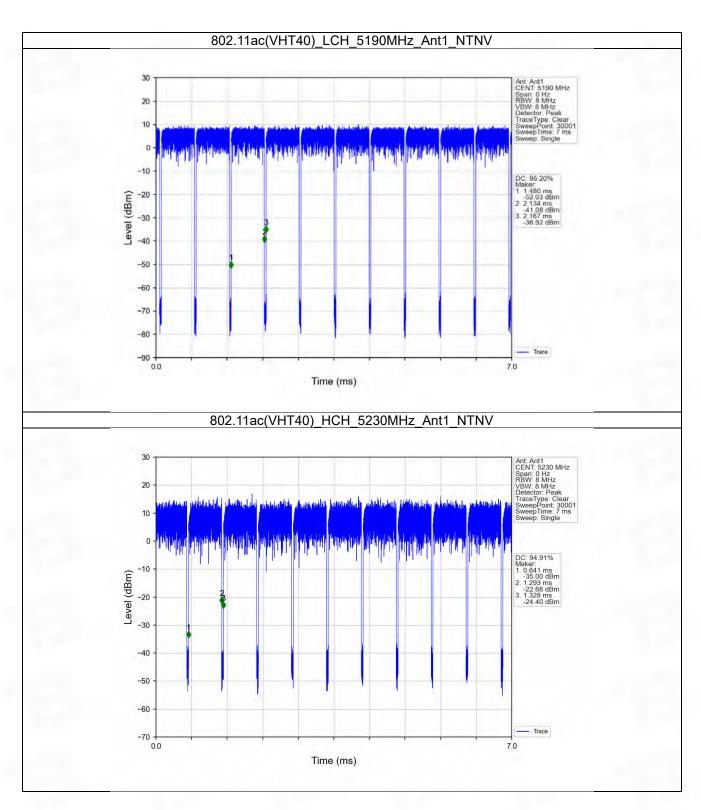




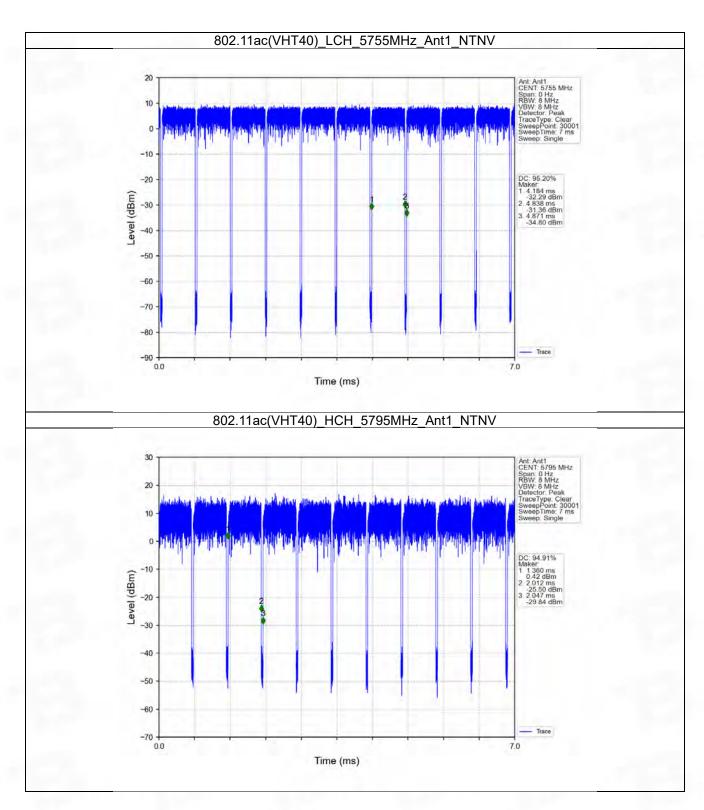




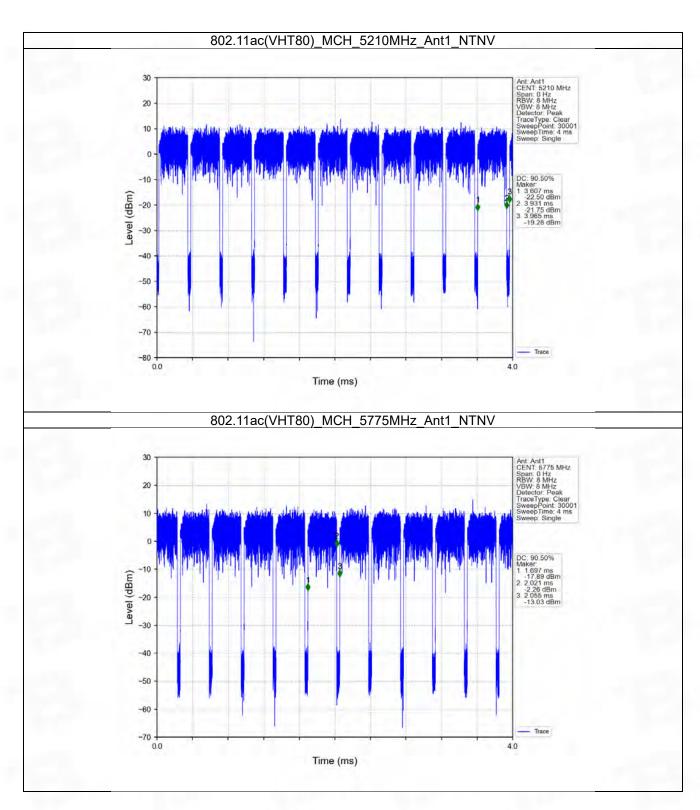


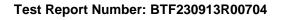












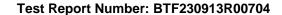


2. Bandwidth

2.1 OBW

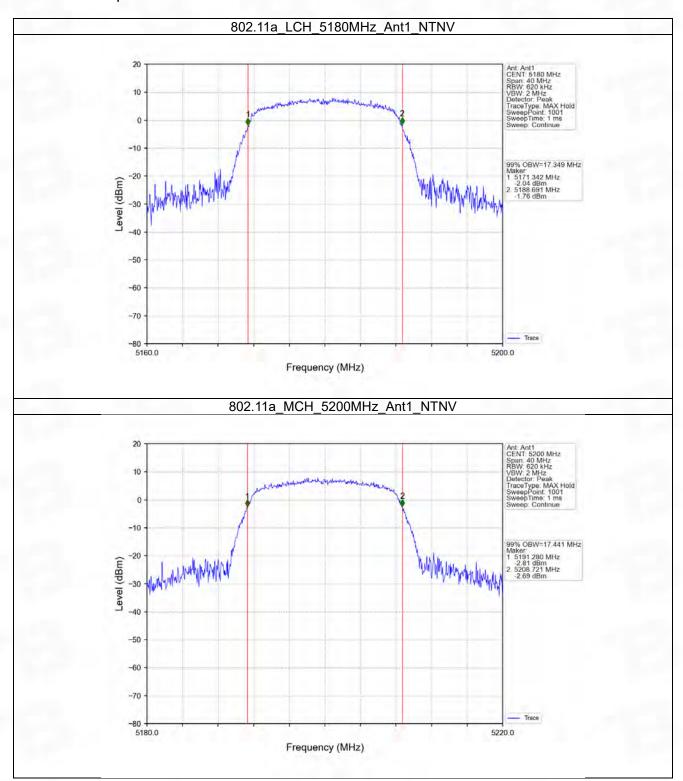
2.1.1 Test Result

Mode	TX	Frequency (MHz)	ANT	99% Occupied Ba	\	
	Туре			Result	Limit	Verdict
802.11a	SISO	5180	1	17.349	1	Pass
		5200	1	17.441	1	Pass
		5240	1	17.424	1	Pass
		5745	1	17.504	1	Pass
		5785	1	17.510	1	Pass
		5825	1	17.497	1	Pass
	SISO	5180	1	17.493	1	Pass
		5200	1	17.453	1	Pass
802.11n		5240	1	17.460	1	Pass
(HT20)		5745	1	17.527	1	Pass
		5785	1	17.541	1	Pass
		5825	1	17.591	1	Pass
	SISO	5190	1	37.265	1	Pass
802.11n		5230	1	37.390	1	Pass
(HT40)		5755	1	37.247	1	Pass
		5795	1	37.351	1	Pass
	SISO	5180	1	18.476	1	Pass
		5200	1	18.119	1	Pass
802.11ac		5240	1	18.192	1	Pass
(VHT20)		5745	1	18.196	1	Pass
		5785	1	18.242	1	Pass
		5825	1	18.252	1	Pass
	SISO	5190	1	36.511	1	Pass
802.11ac		5230	1	36.544	1	Pass
(VHT40)		5755	1	36.517	1	Pass
,		5795	1	36.528	1	Pass
802.11ac	CICO	5210	1	75.438	1	Pass
(VHT80)	SISO	5775	1	75.513	1	Pass

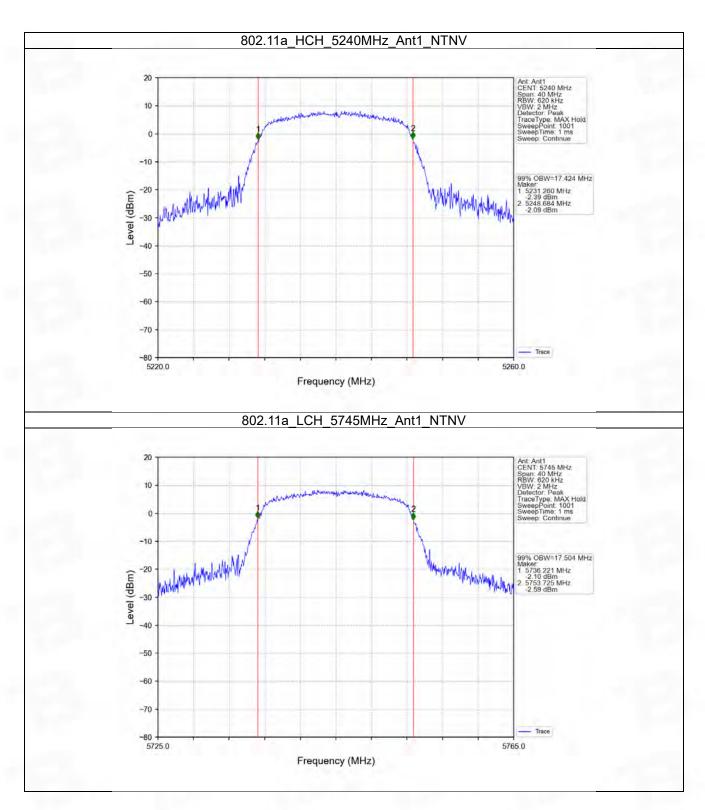




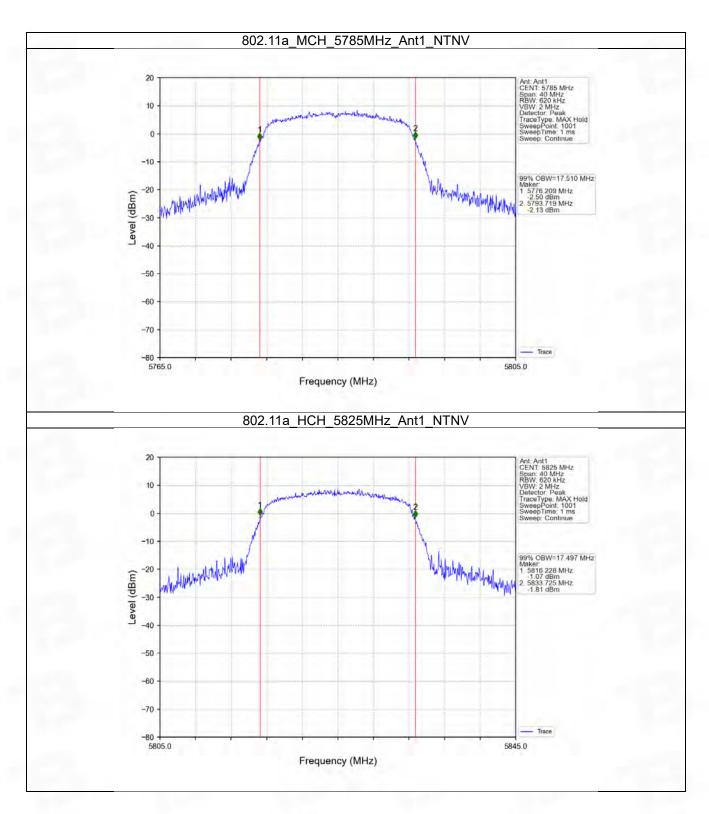
2.1.2 Test Graph



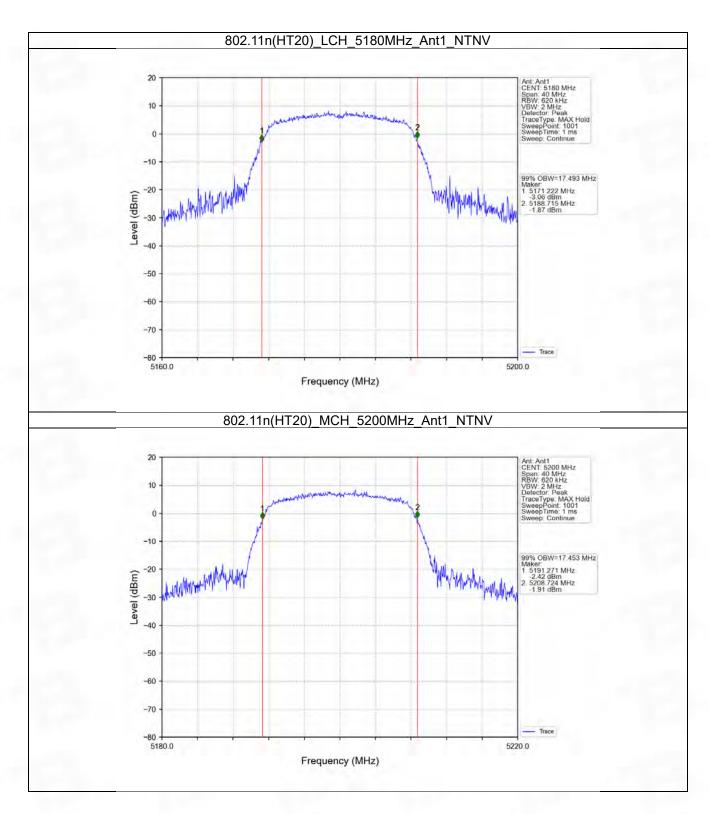




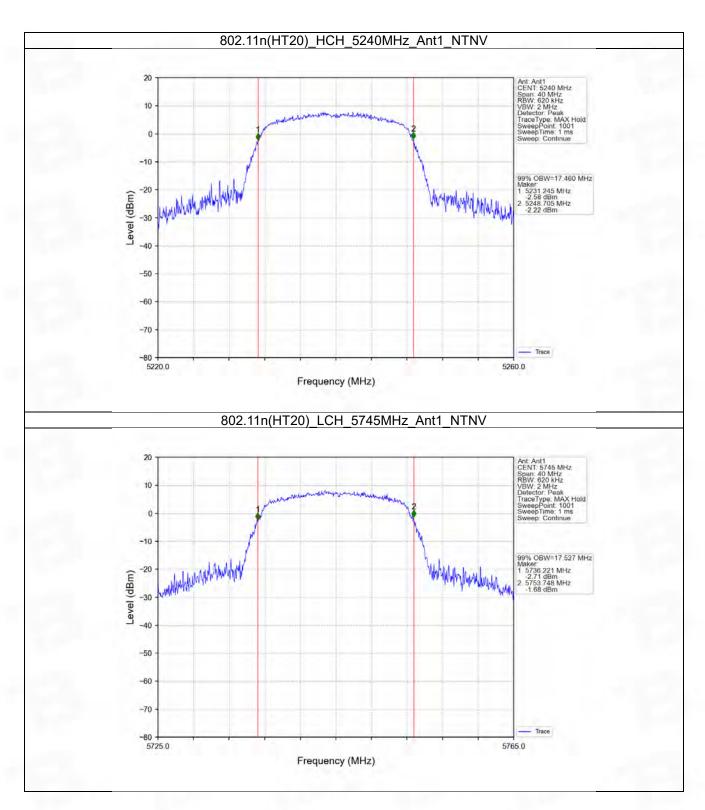




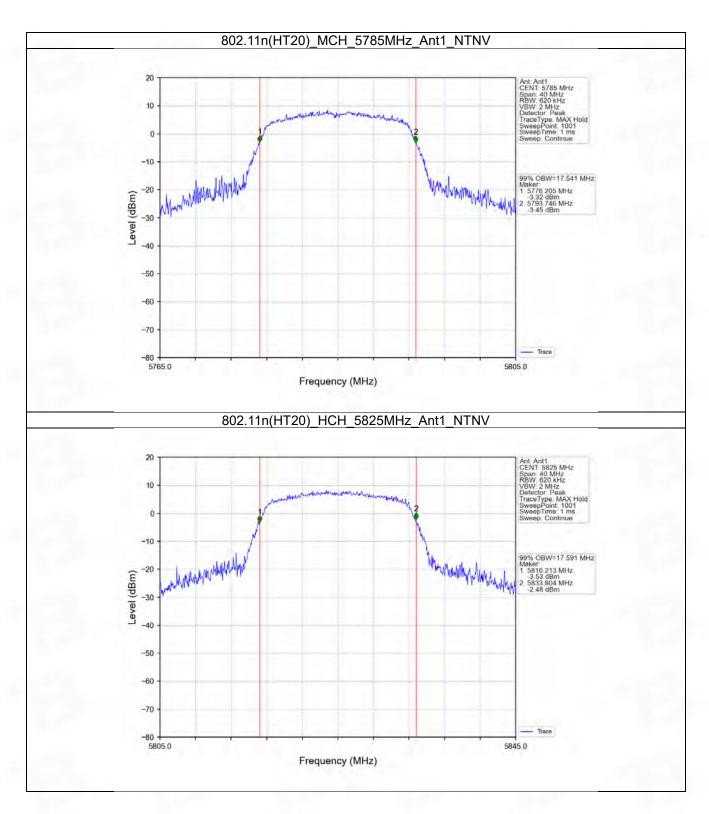




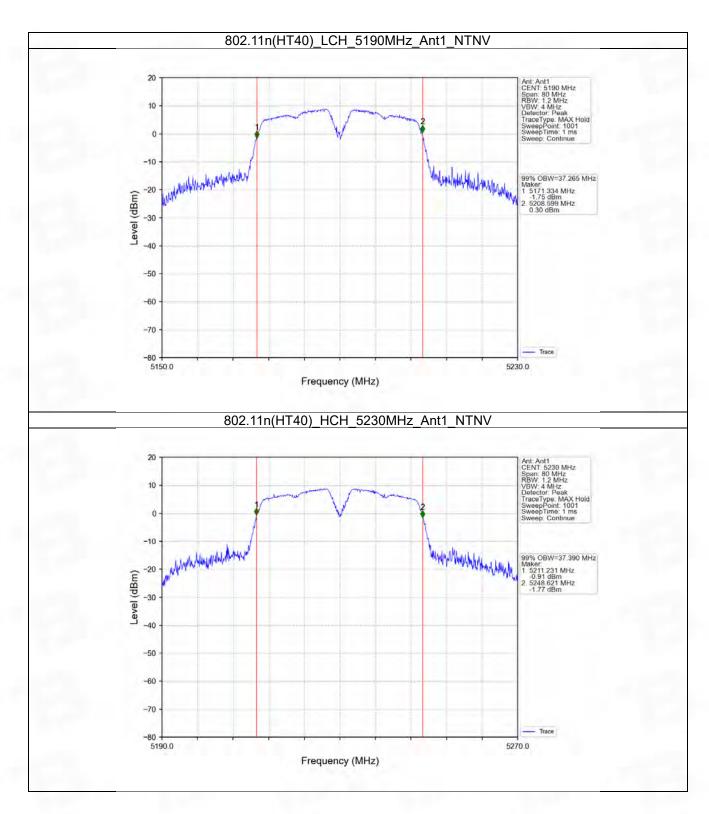




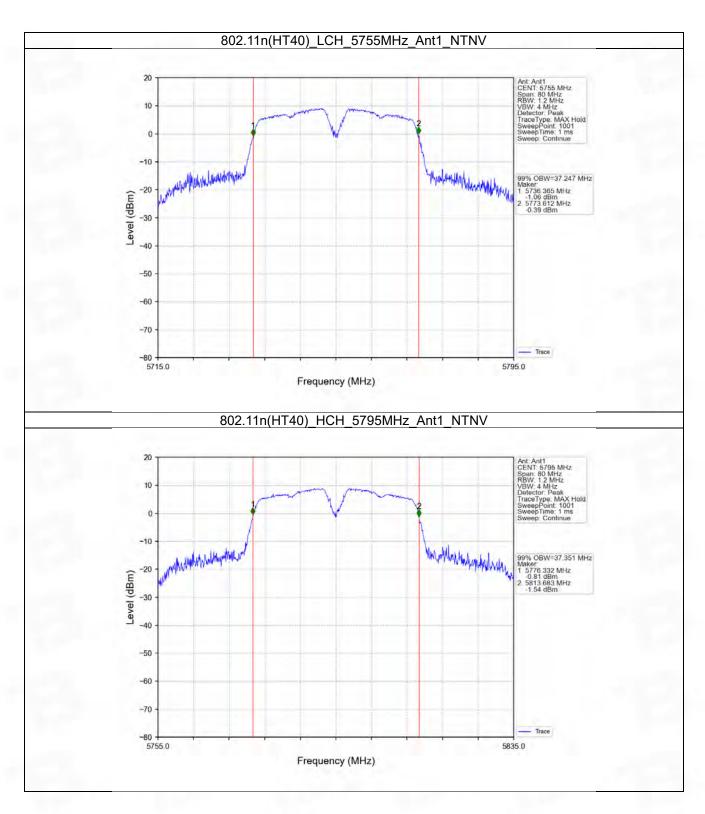




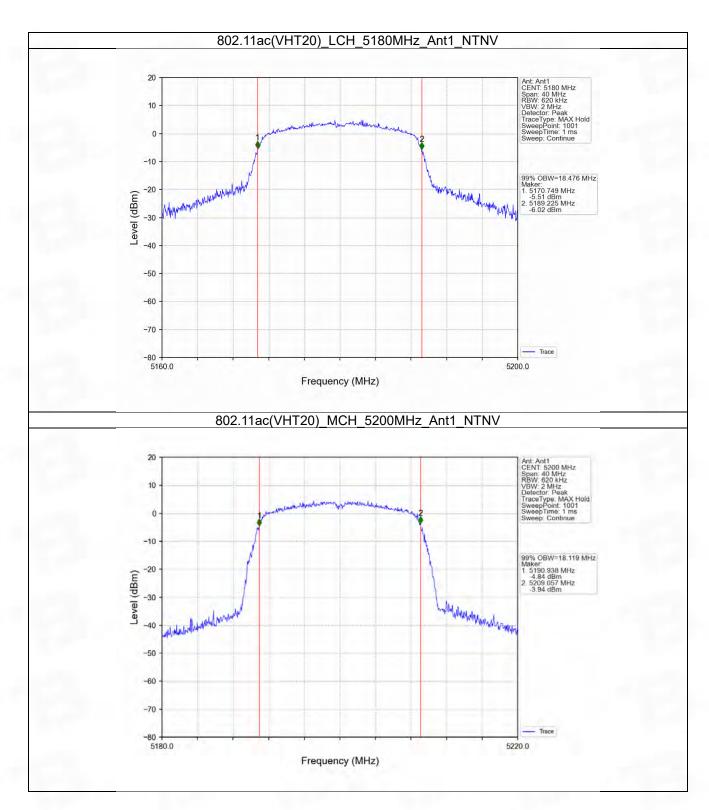




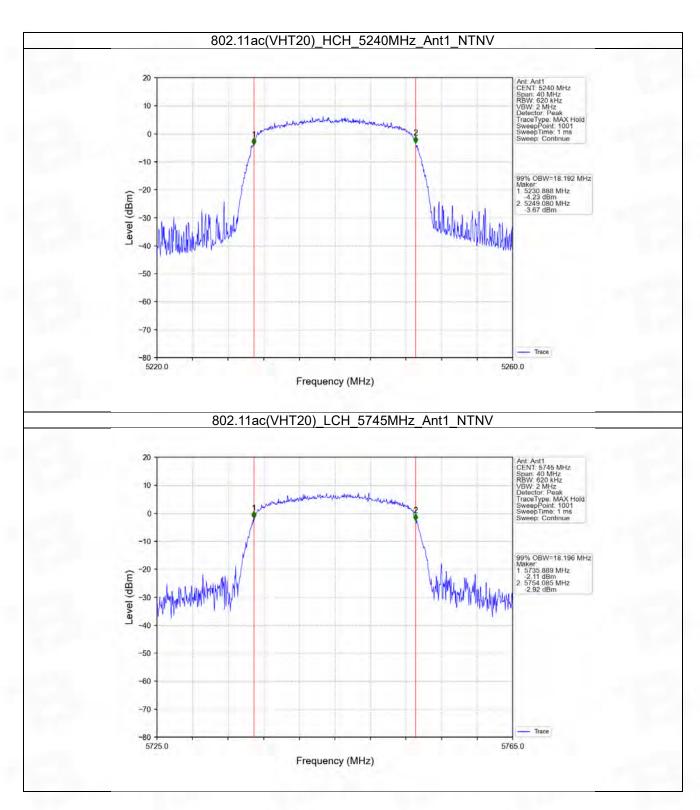




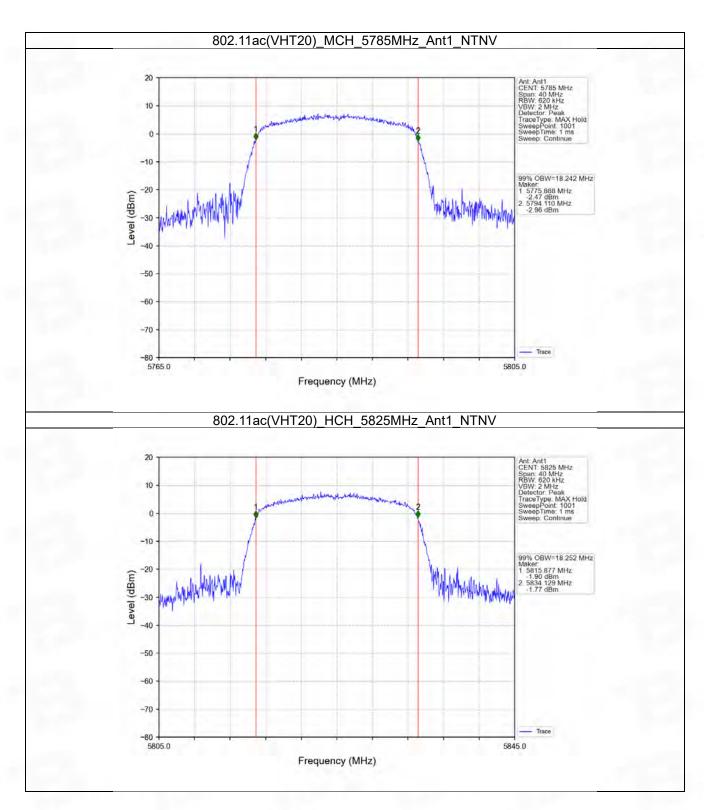




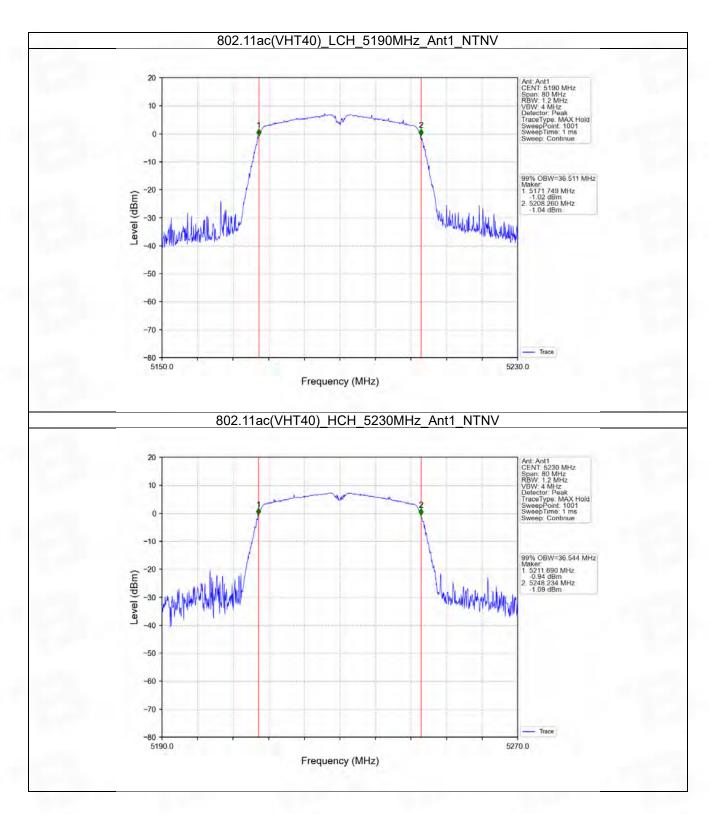




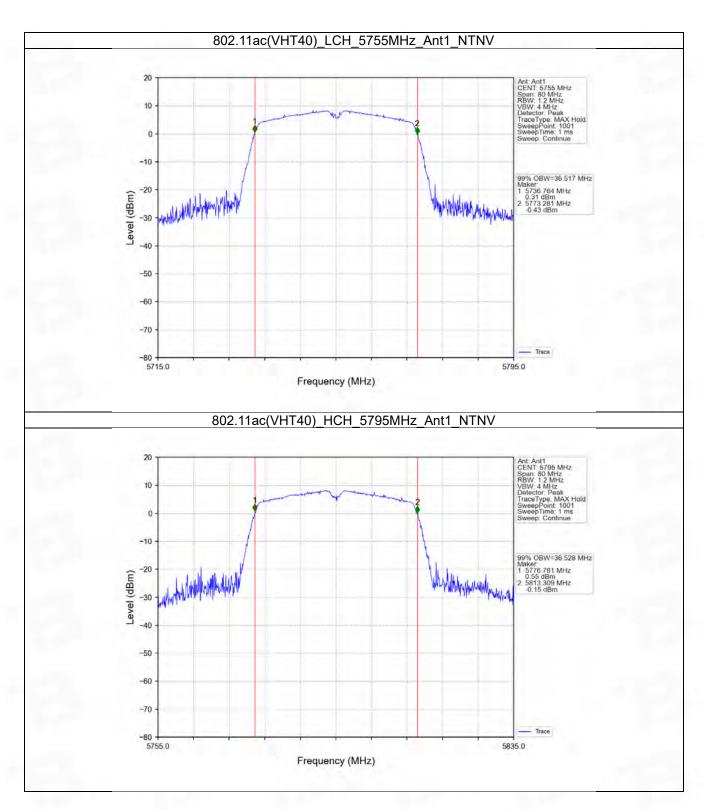




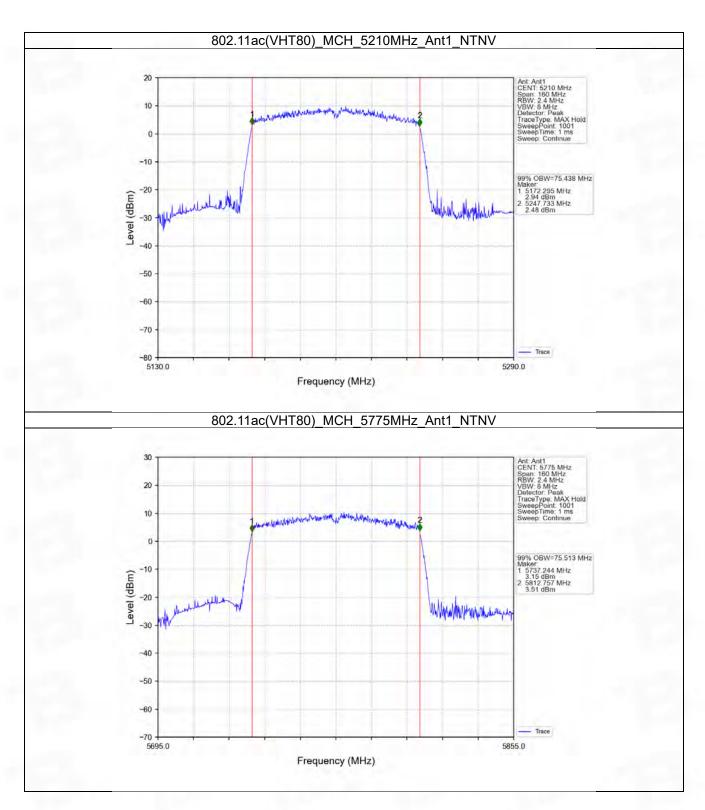


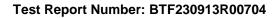














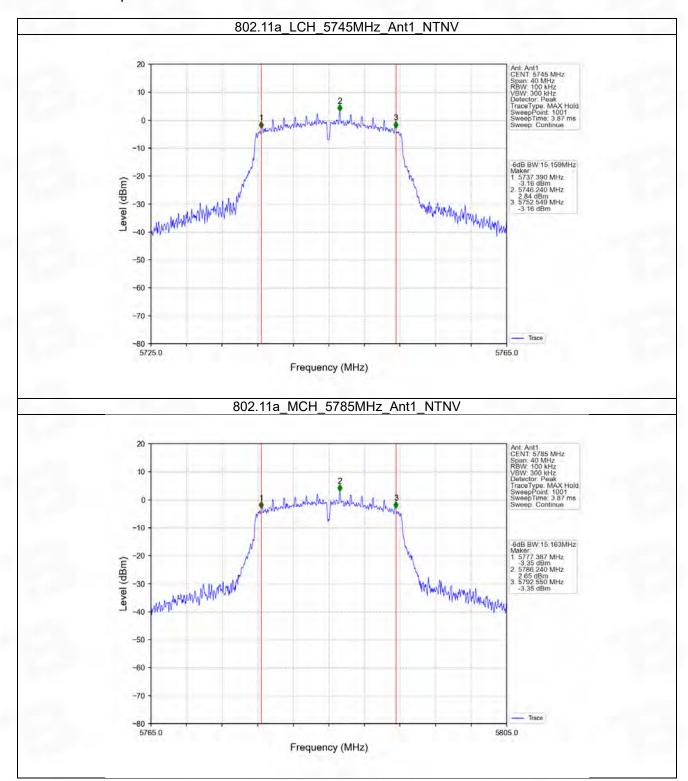
2.2 6dB BW

2.2.1 Test Result

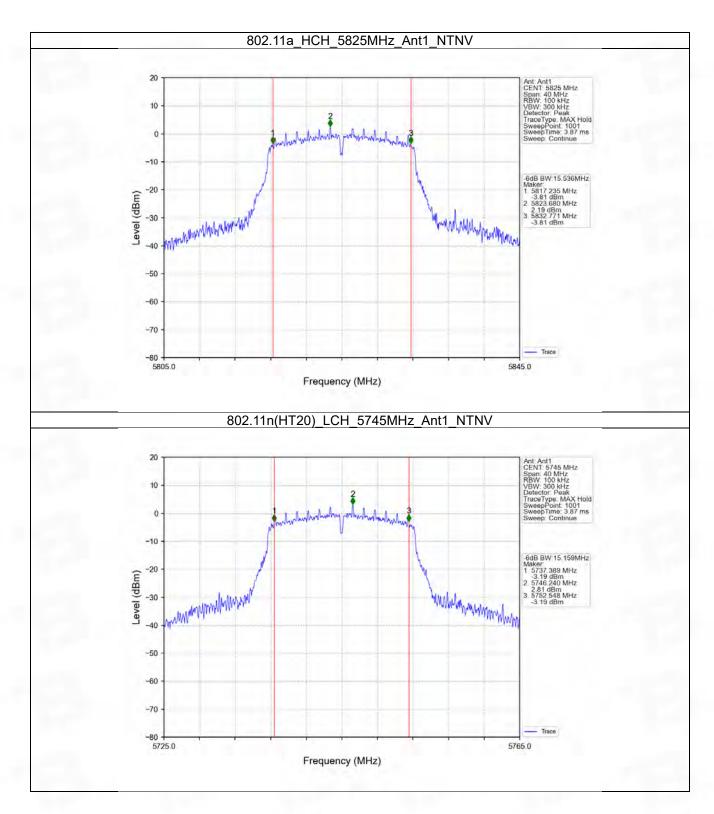
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		\/ovdiet
				Result	Limit	Verdict
802.11a	SISO	5745	1	15.159	>=0.5	Pass
		5785	1	15.163	>=0.5	Pass
		5825	1	15.536	>=0.5	Pass
902 11p	SISO	5745	1	15.159	>=0.5	Pass
802.11n (HT20)		5785	1	15.156	>=0.5	Pass
(1120)		5825	1	15.157	>=0.5	Pass
802.11n	SISO	5755	1	35.151	>=0.5	Pass
(HT40)		5795	1	35.132	>=0.5	Pass
902 1100	SISO	5745	1	15.160	>=0.5	Pass
802.11ac (VHT20)		5785	1	15.157	>=0.5	Pass
(11120)		5825	1	15.146	>=0.5	Pass
802.11ac	SISO	5755	1	35.160	>=0.5	Pass
(VHT40)		5795	1	35.160	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.164	>=0.5	Pass



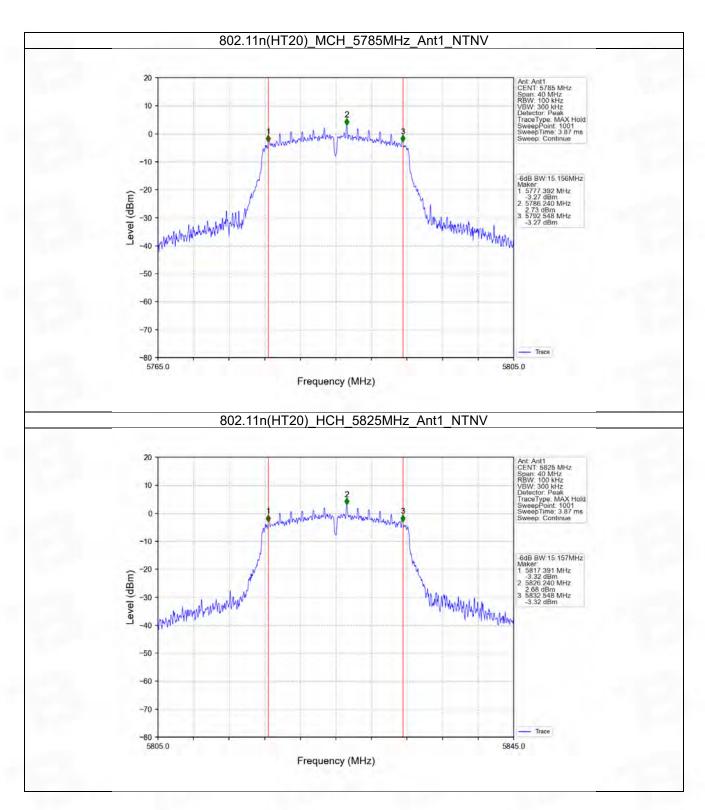
2.2.2 Test Graph



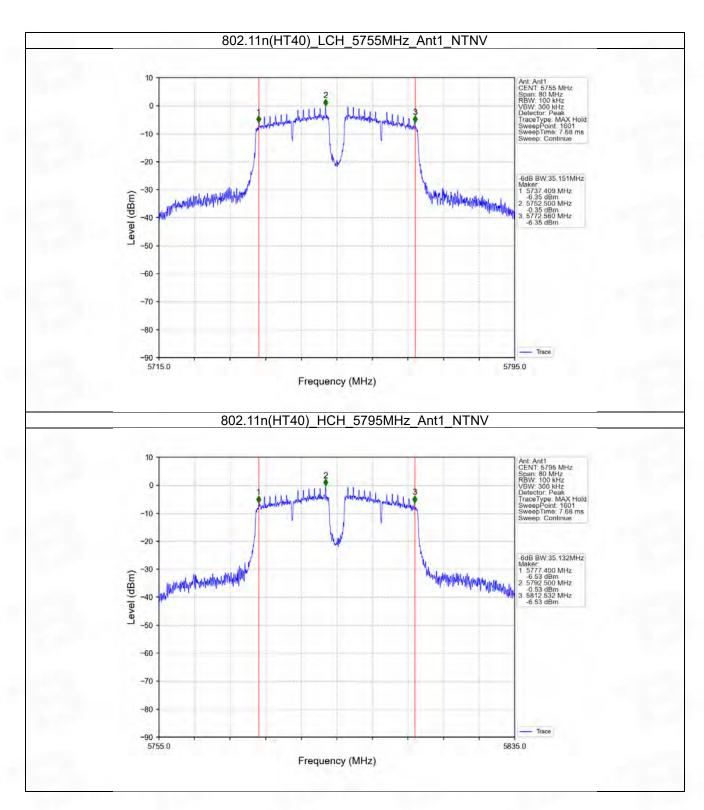




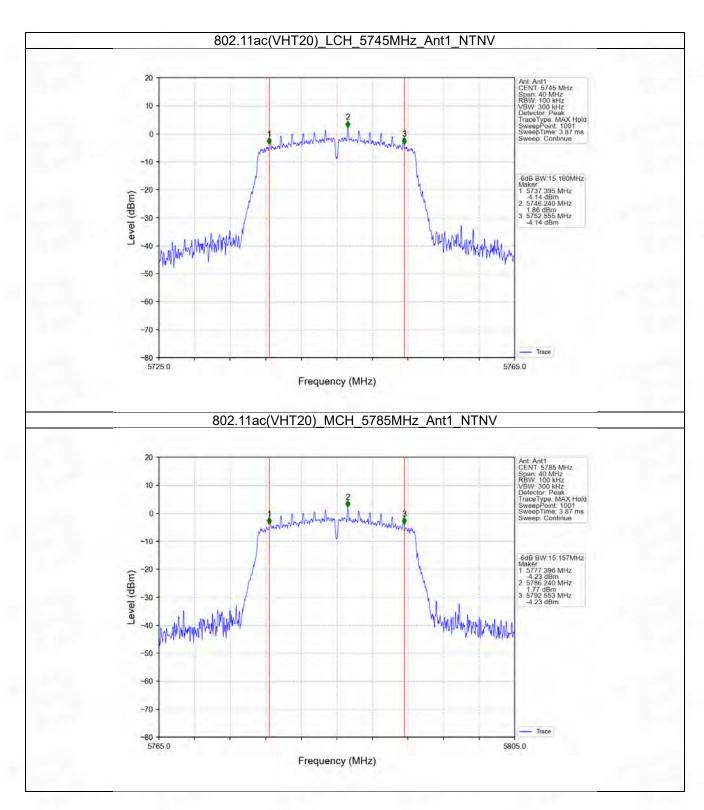




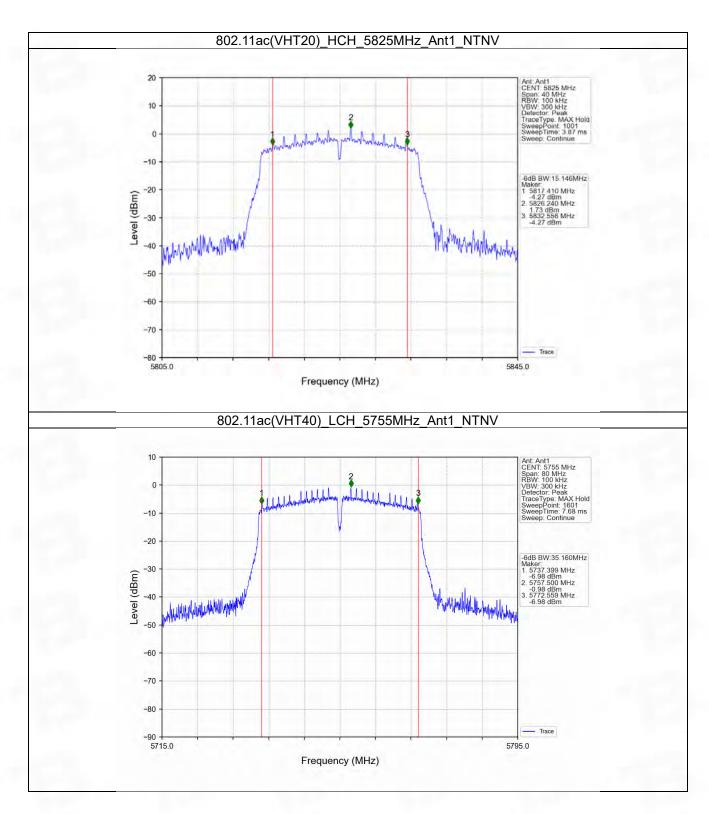




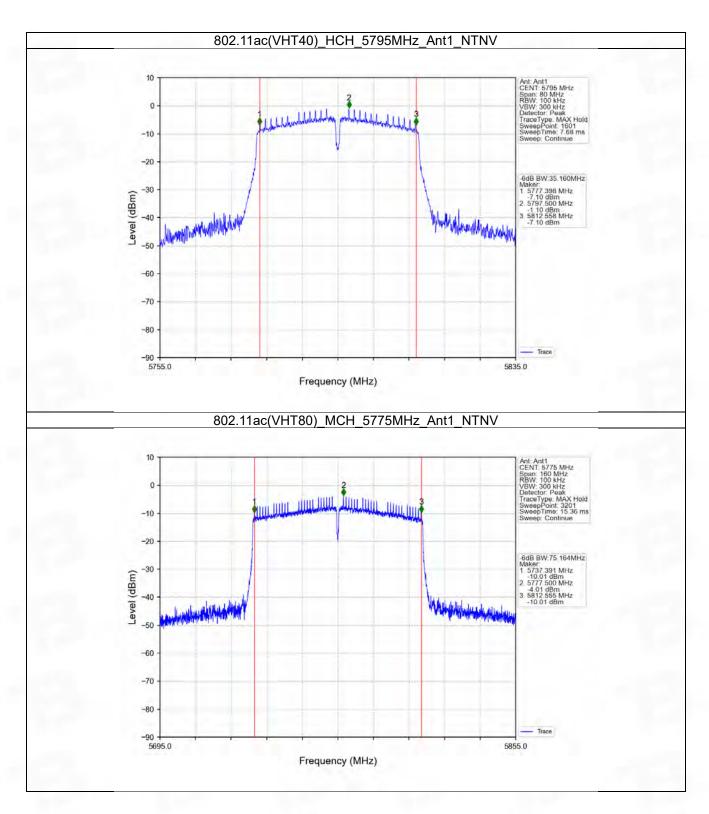


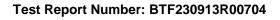














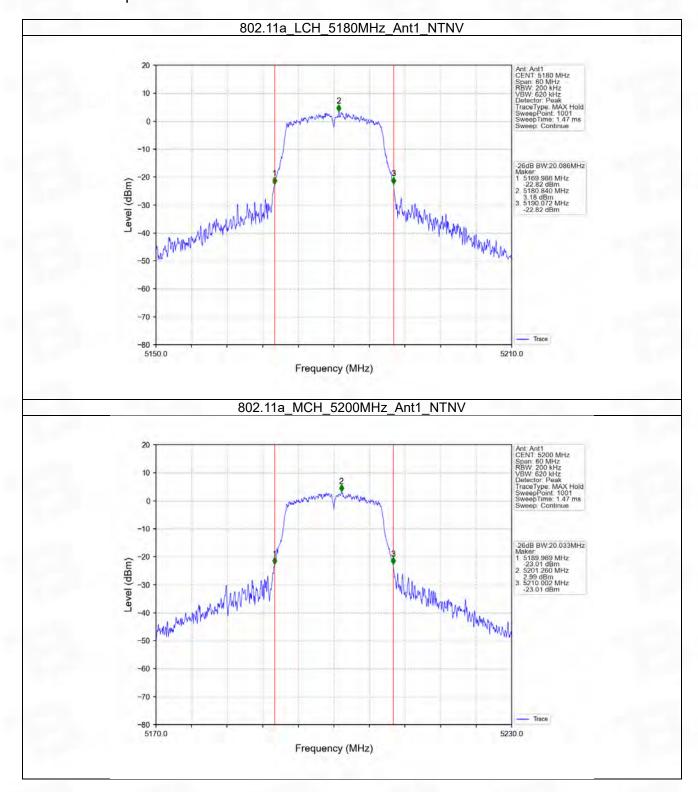
2.3 26dB BW

2.3.1 Test Result

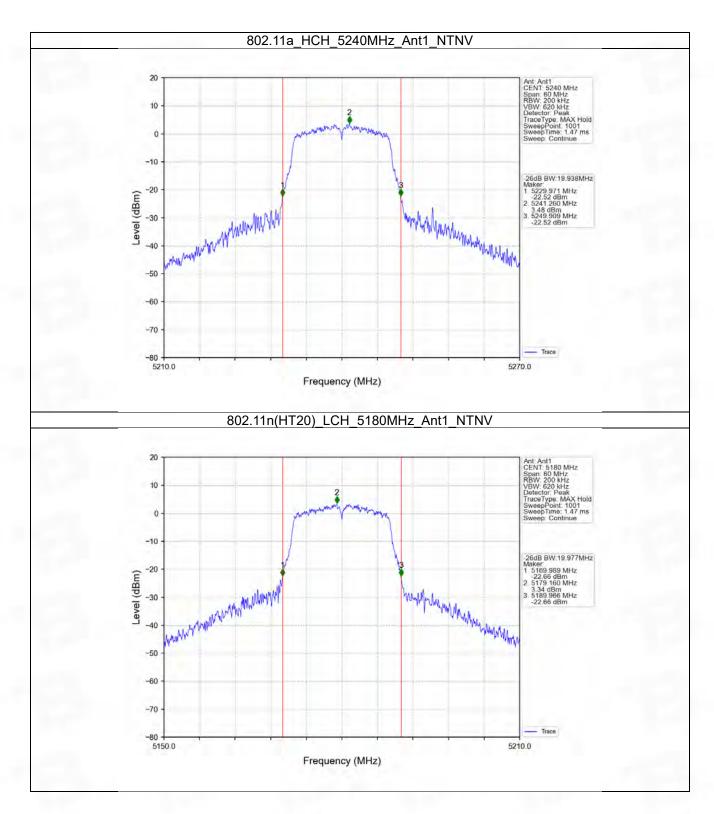
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		\
				Result	Limit	Verdict
802.11a	SISO	5180	1	20.086	/	Pass
		5200	1	20.033	1	Pass
		5240	1	19.938	/	Pass
802.11n (HT20)	SISO	5180	1	19.977	/	Pass
		5200	1	19.975	1	Pass
		5240	1	19.804	1	Pass
802.11n (HT40) SISO	CICO	5190	1	49.178	1	Pass
	3130	5230	1	59.691	/	Pass
802.11ac (VHT20)	SISO	5180	1	24.778	/	Pass
		5200	1	20.183	1	Pass
		5240	1	20.389	1	Pass
802.11ac (VHT40)	SISO	5190	1	40.750	/	Pass
		5230	1	40.446	/	Pass
802.11ac (VHT80)	SISO	5210	1	80.831	1	Pass



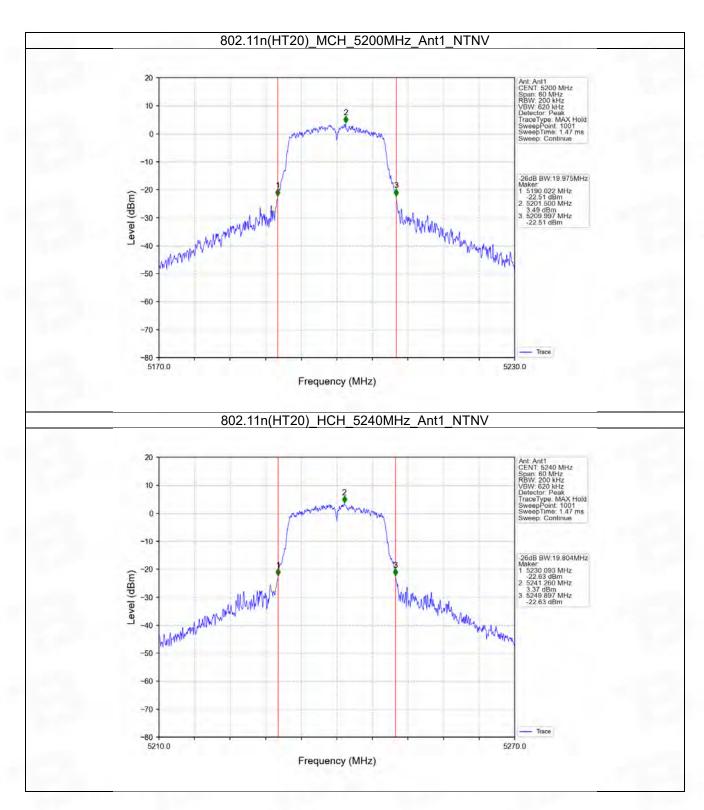
2.3.2 Test Graph



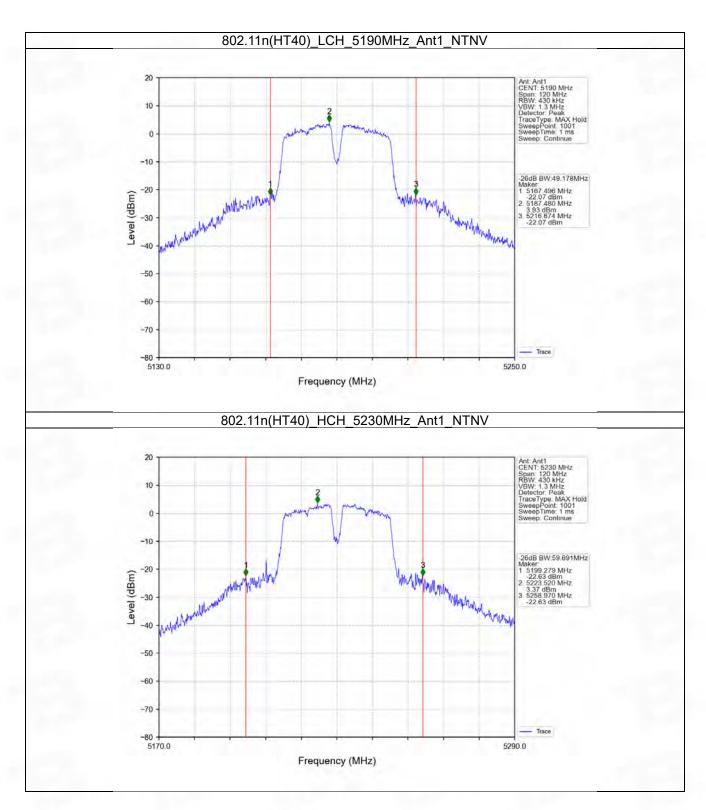




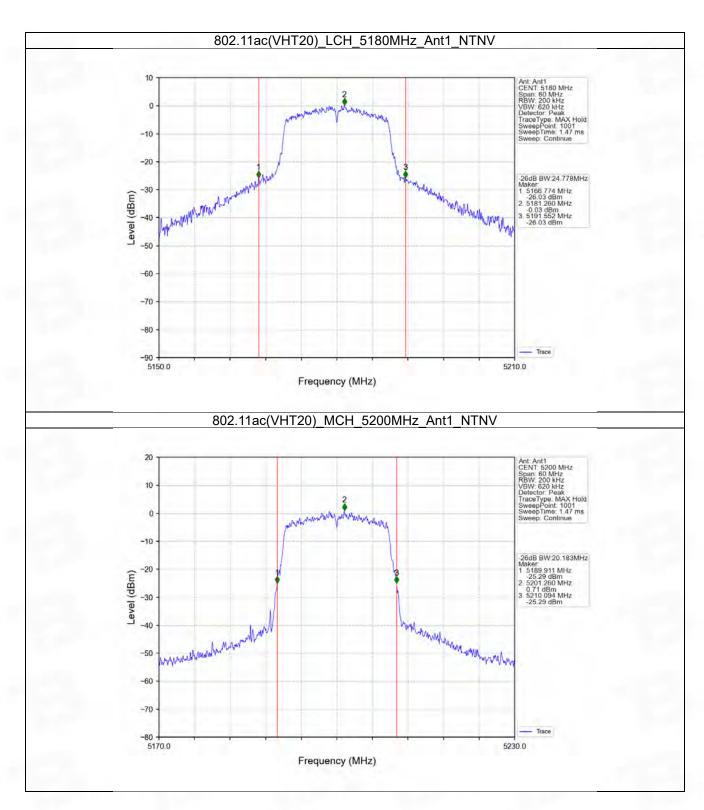




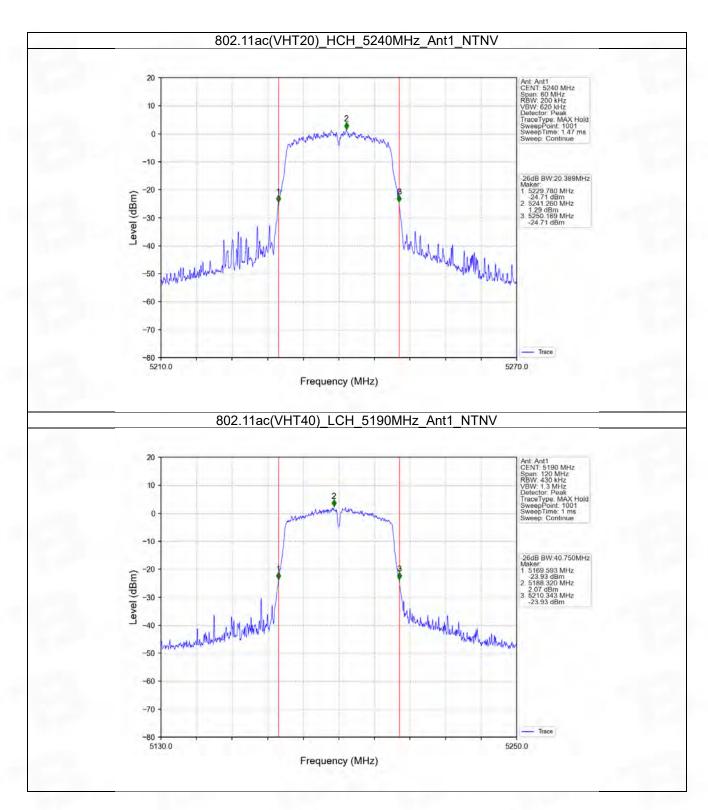




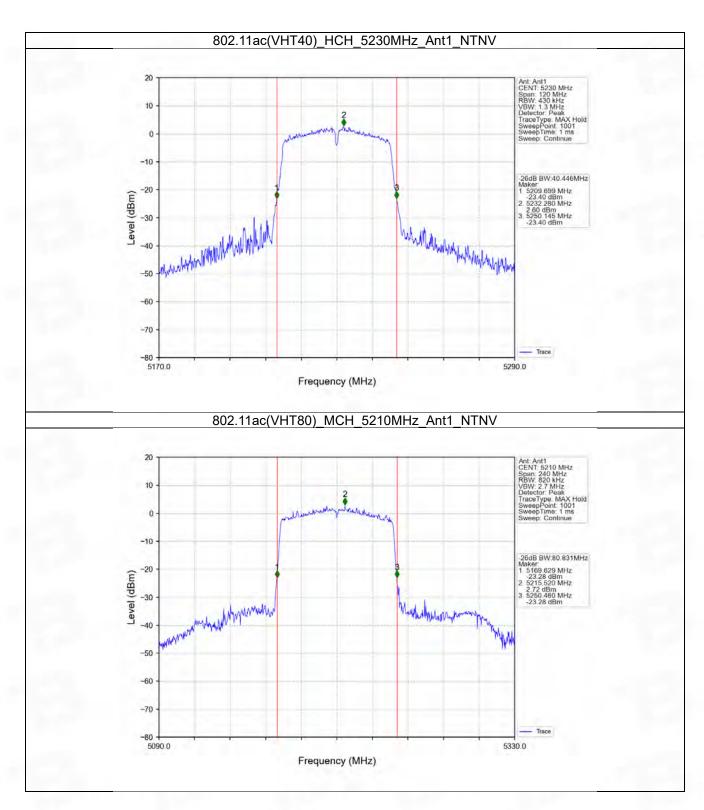


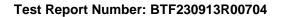












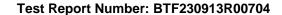


3. Maximum Conducted Output Power

3.1 Power

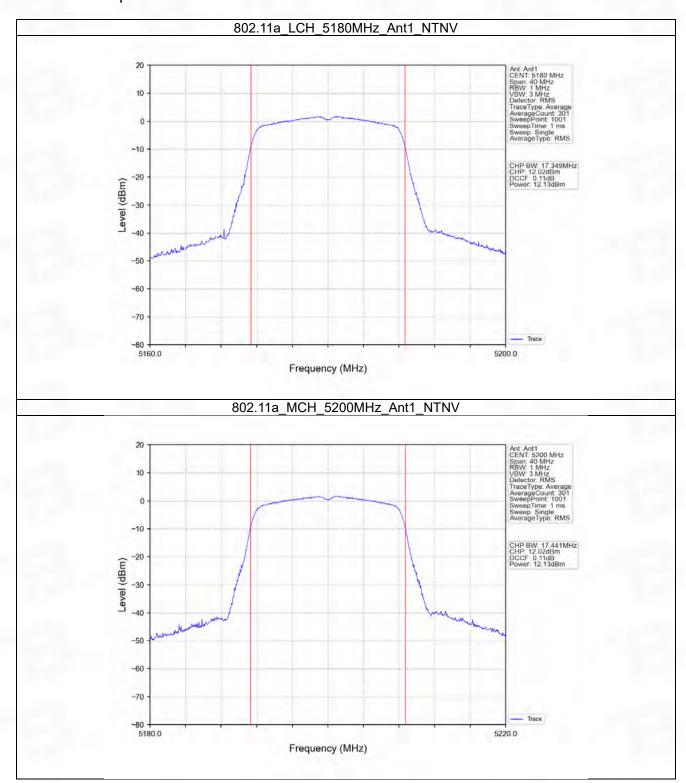
3.1.1 Test Result

Mode	TX	Frequency	Maximum Average Condu	\/a = diat	
Mode	Туре	(MHz)	ANT1	Limit	Verdict
802.11a	SISO	5180	12.13	<=23.98	Pass
		5200	12.13	<=23.98	Pass
		5240	12.68	<=23.98	Pass
		5745	12.86	<=30	Pass
		5785	12.73	<=30	Pass
		5825	12.87	<=30	Pass
	SISO	5180	12.44	<=23.98	Pass
802.11n (HT20)		5200	12.40	<=23.98	Pass
		5240	12.42	<=23.98	Pass
		5745	12.77	<=30	Pass
		5785	12.71	<=30	Pass
		5825	12.70	<=30	Pass
	SISO	5190	12.47	<=23.98	Pass
802.11n (HT40)		5230	12.48	<=23.98	Pass
		5755	12.69	<=30	Pass
		5795	10.19	<=30	Pass
	SISO	5180	9.16	<=23.98	Pass
		5200	9.78	<=23.98	Pass
802.11ac (VHT20)		5240	10.27	<=23.98	Pass
		5745	11.94	<=30	Pass
		5785	11.53	<=30	Pass
		5825	11.49	<=30	Pass
802.11ac (VHT40)	SISO	5190	10.78	<=23.98	Pass
		5230	11.26	<=23.98	Pass
		5755	12.14	<=30	Pass
		5795	11.99	<=30	Pass
802.11ac	CICO	5210	11.48	<=23.98	Pass
(VHT80)	SISO	5775	12.29	<=30	Pass
Note1: Antenn	a Gain: Ant1	: -0.98dBi;	•	·	

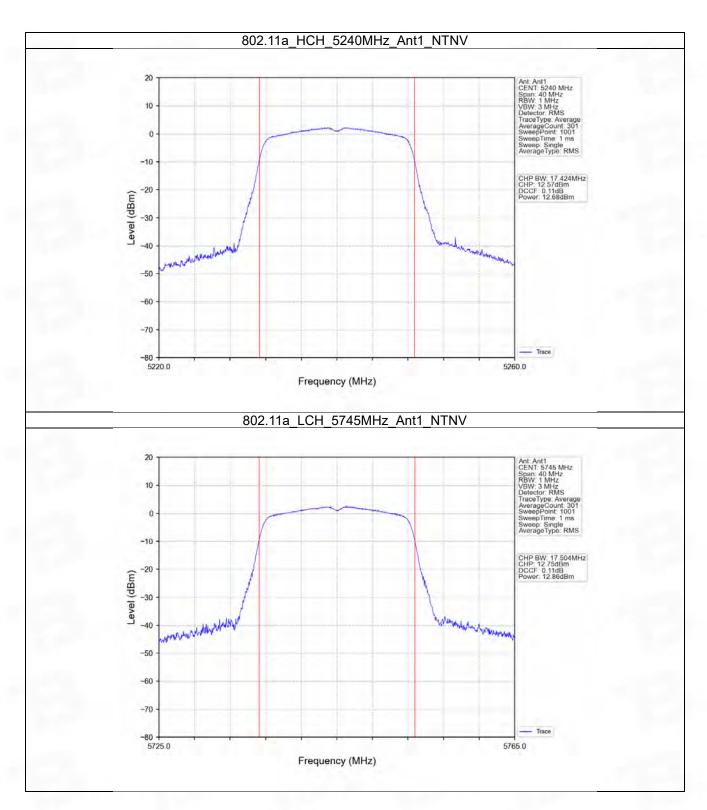




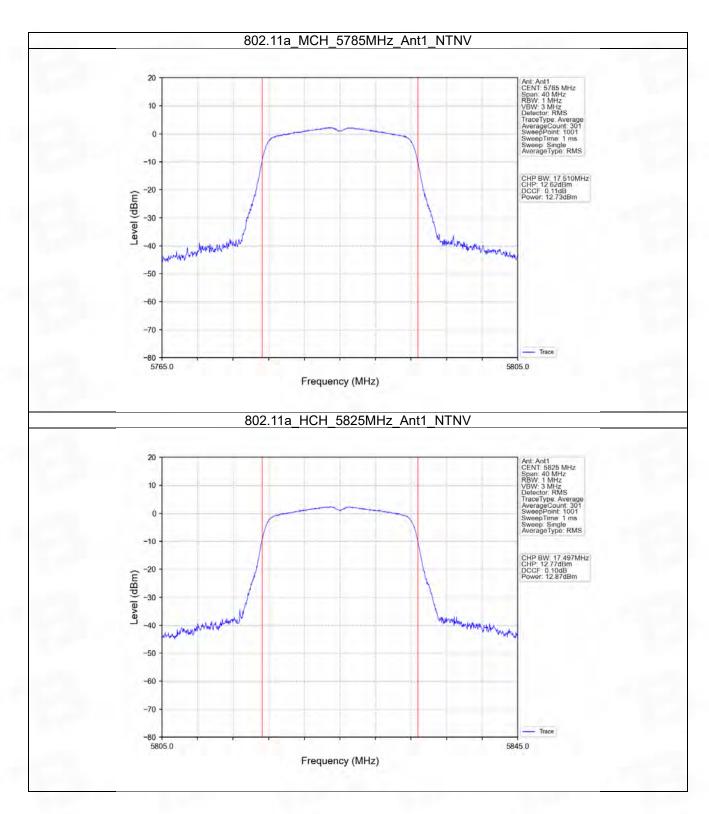
3.1.2 Test Graph



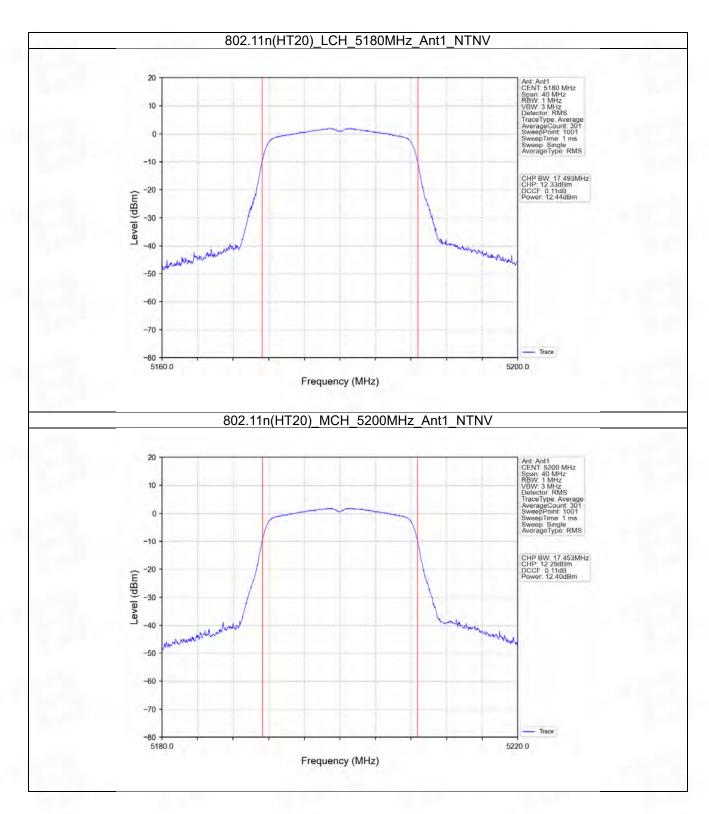




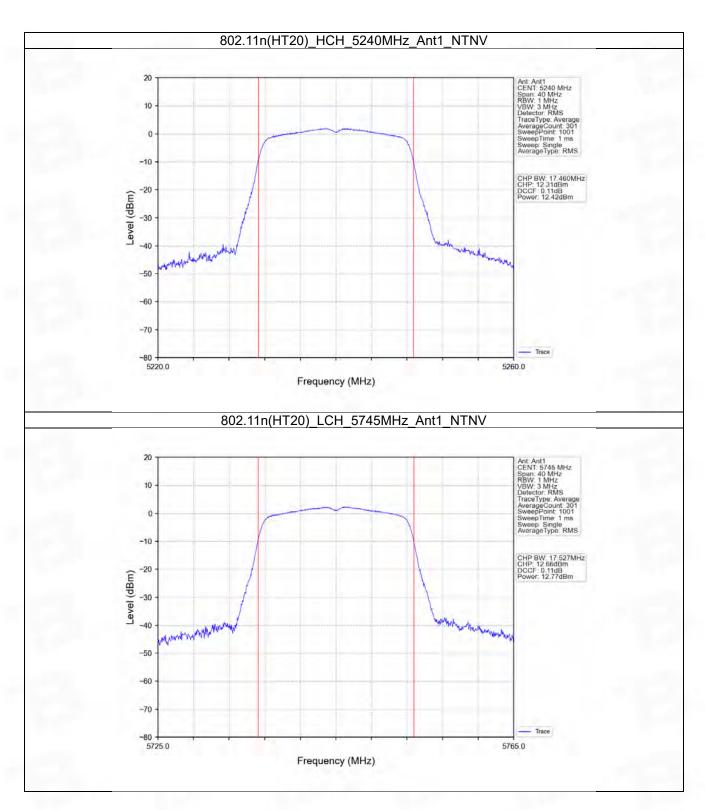




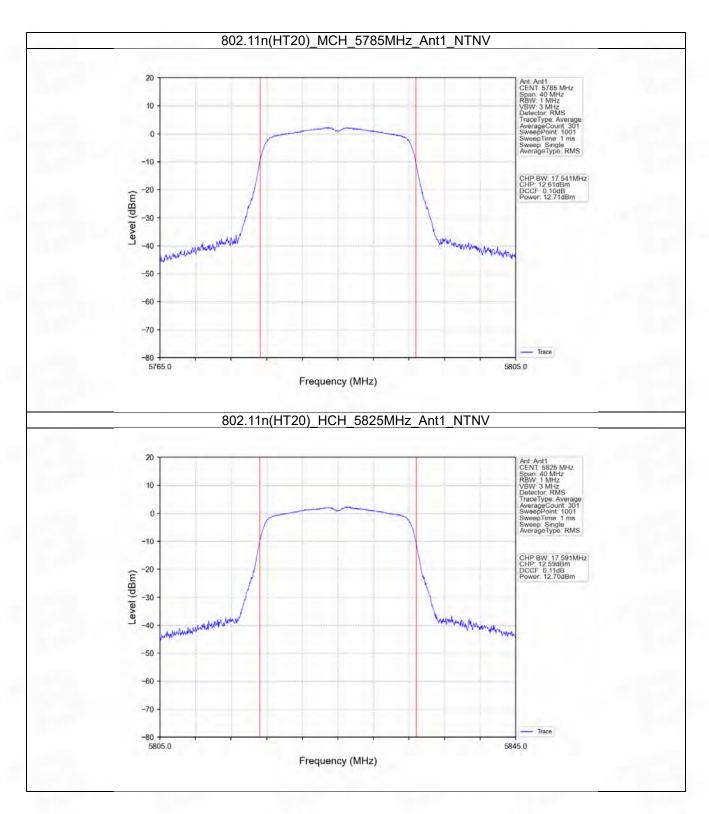


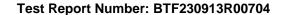




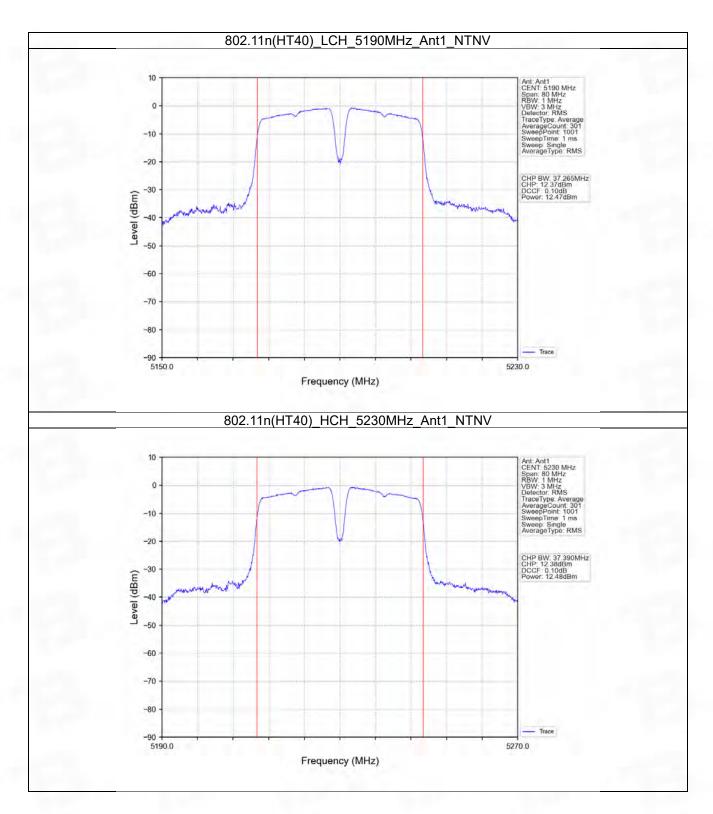




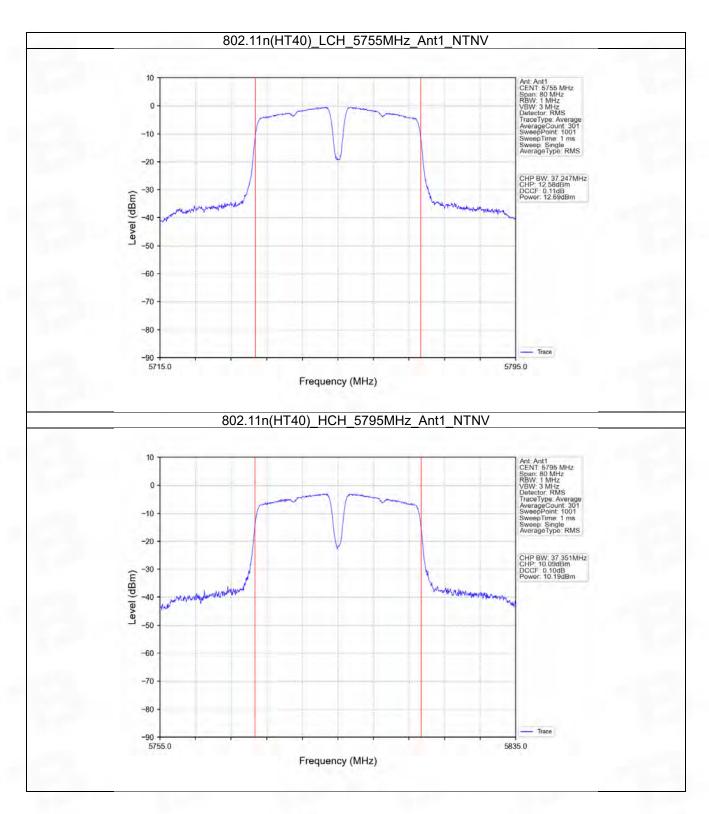




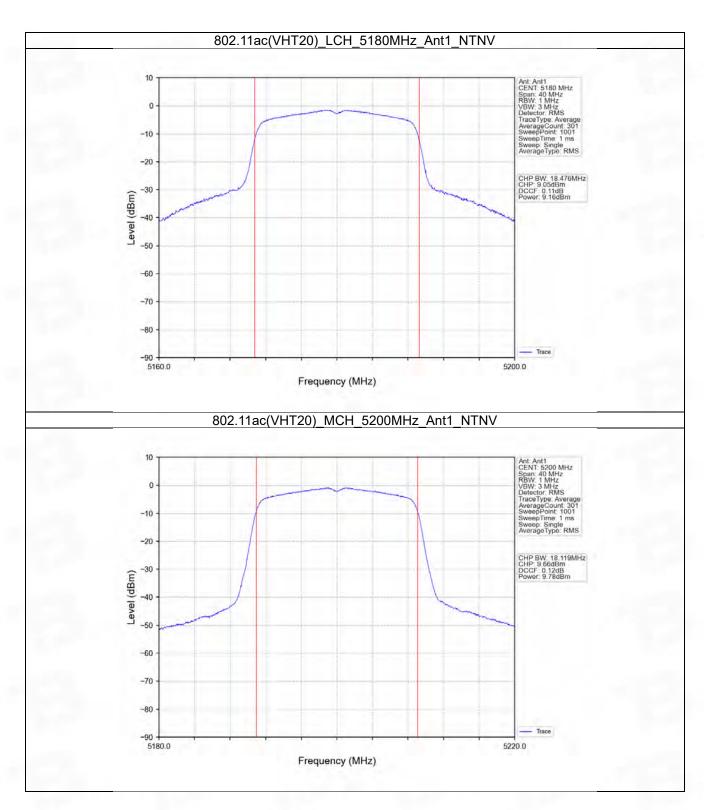




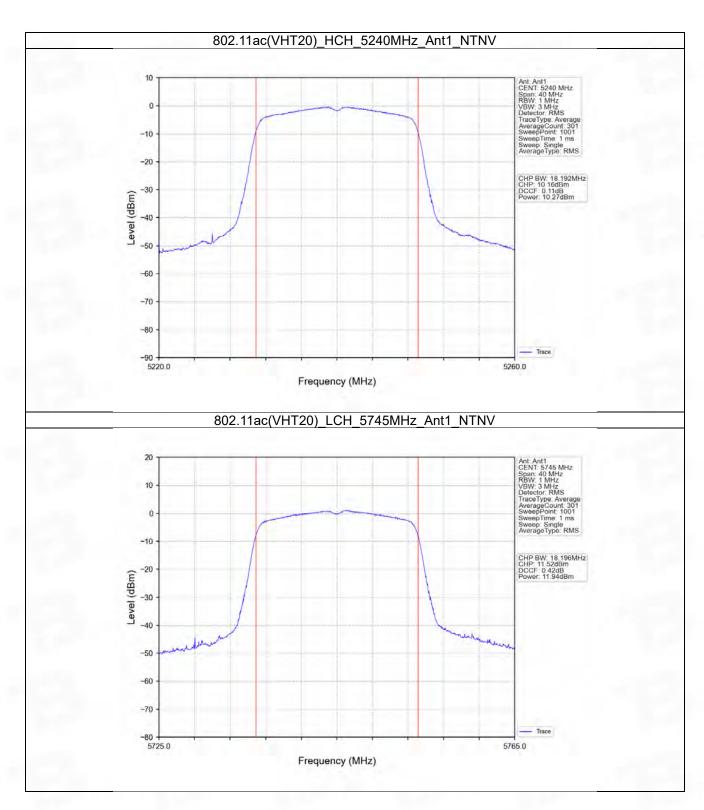




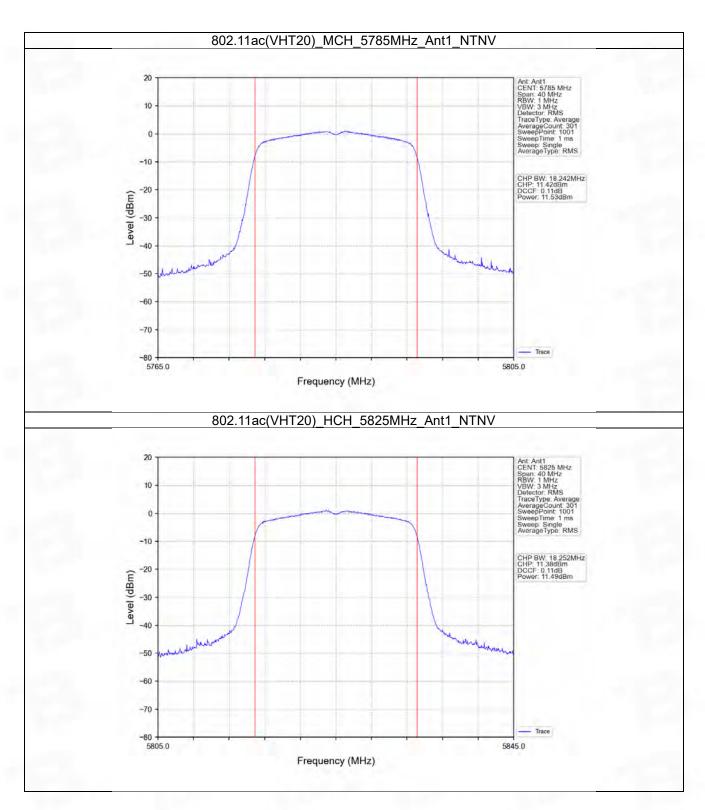


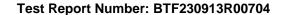




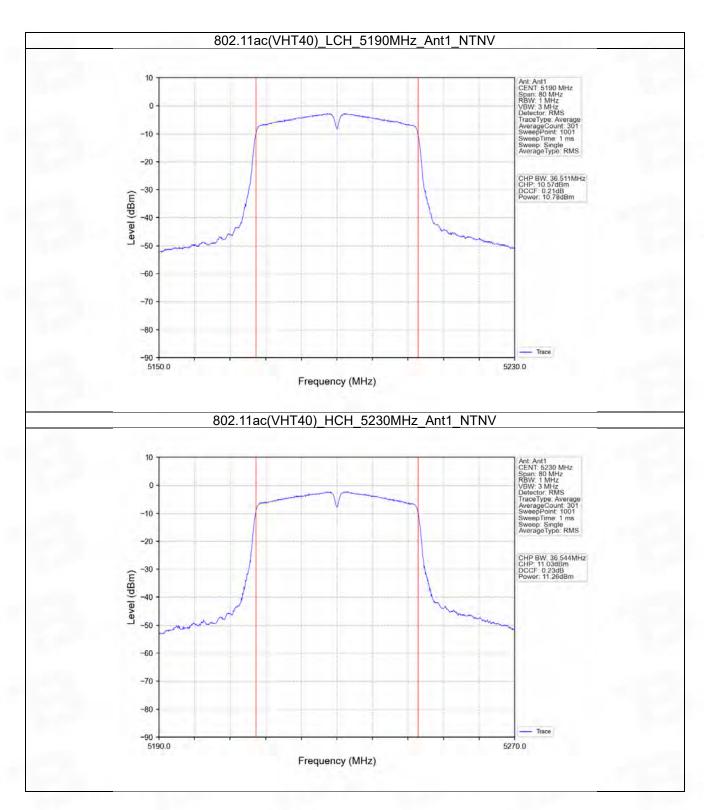




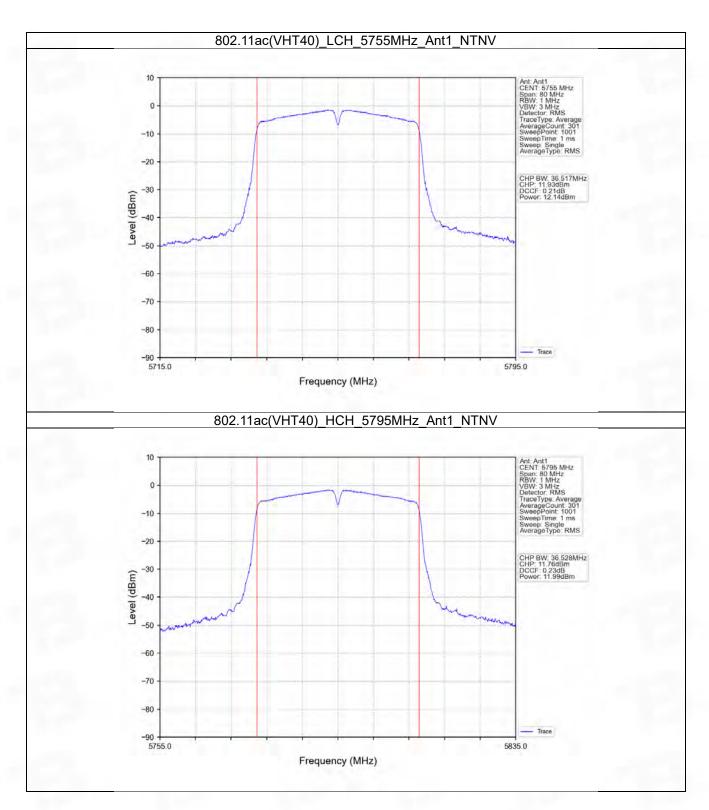




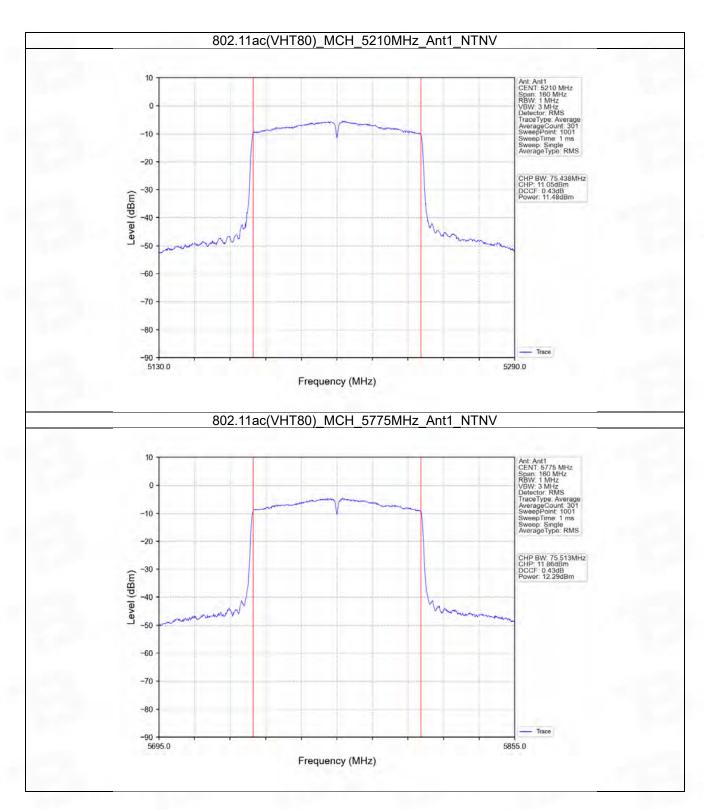


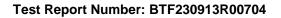












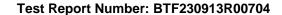


4. Maximum Power Spectral Density

4.1 PSD

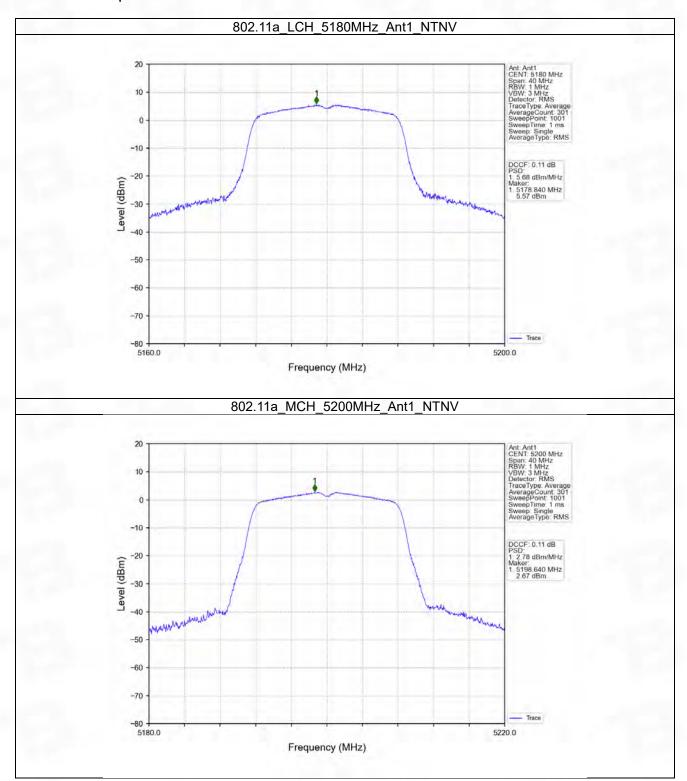
4.1.1 Test Result

Mode	TX	Frequency	Maximum PS	Verdict	
	Type	(MHz)	ANT1	Limit	verdict
		5180	5.68	<=11	Pass
802.11a	SISO	5200	2.78	<=11	Pass
		5240	2.74	<=11	Pass
000 11n	SISO	5180	1.84	<=11	Pass
802.11n (HT20)		5200	1.86	<=11	Pass
(11120)		5240	2.07	<=11	Pass
802.11n	SISO	5190	-1.04	<=11	Pass
(HT40)		5230	-0.92	<=11	Pass
802.11ac	SISO	5180	1.70	<=11	Pass
(VHT20)		5200	1.78	<=11	Pass
(11120)		5240	1.73	<=11	Pass
802.11ac	SISO	5190	-1.07	<=11	Pass
(VHT40)		5230	-0.89	<=11	Pass
802.11ac (VHT80)	SISO	5210	-3.91	<=11	Pass
Note1: Antenna C	Gain: Ant1: -0.98	BdBi;			

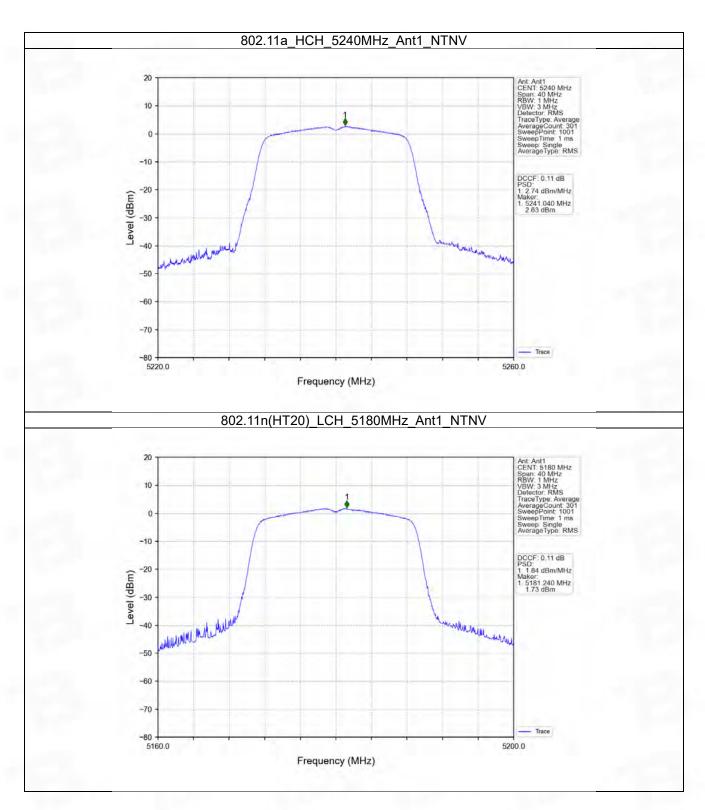




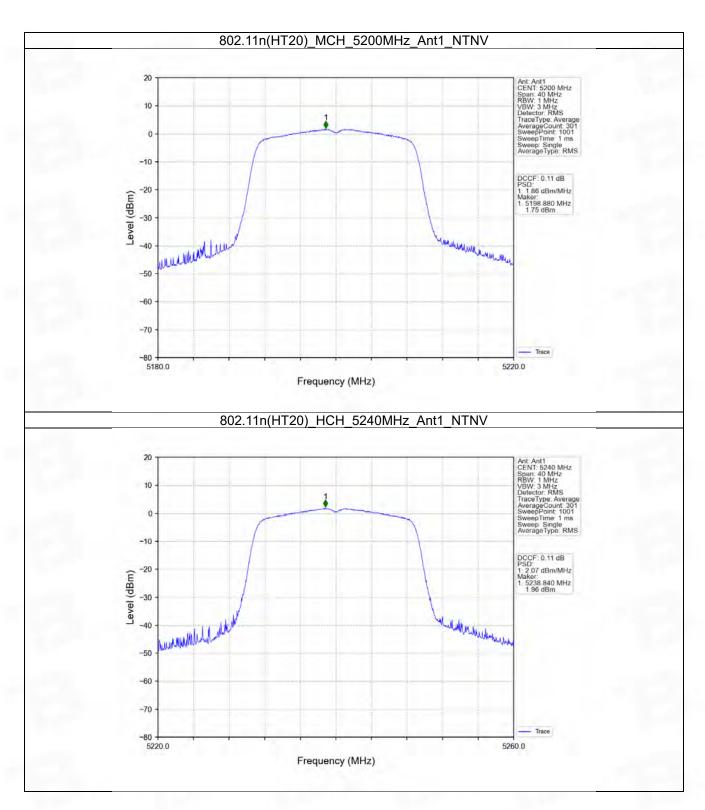
4.1.2 Test Graph



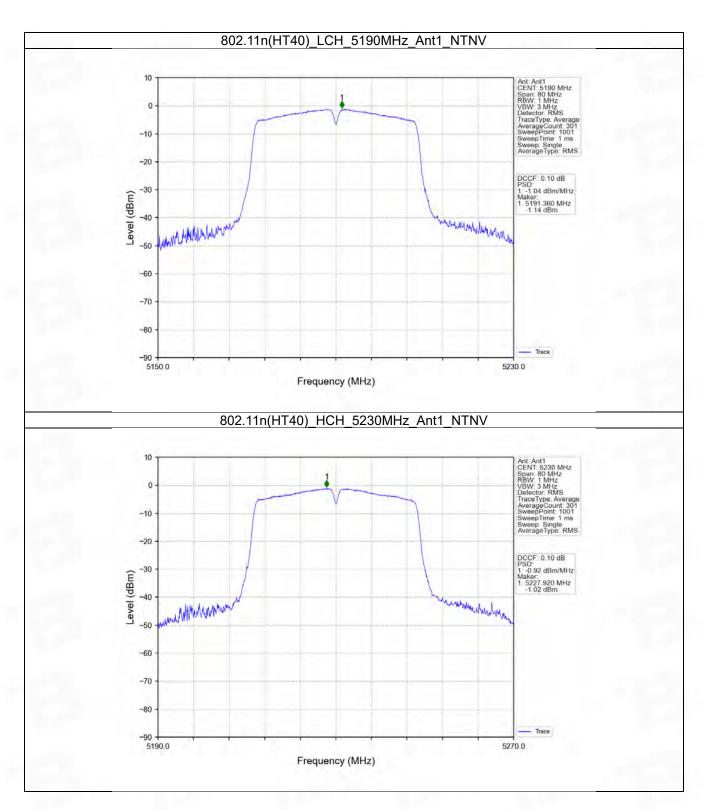




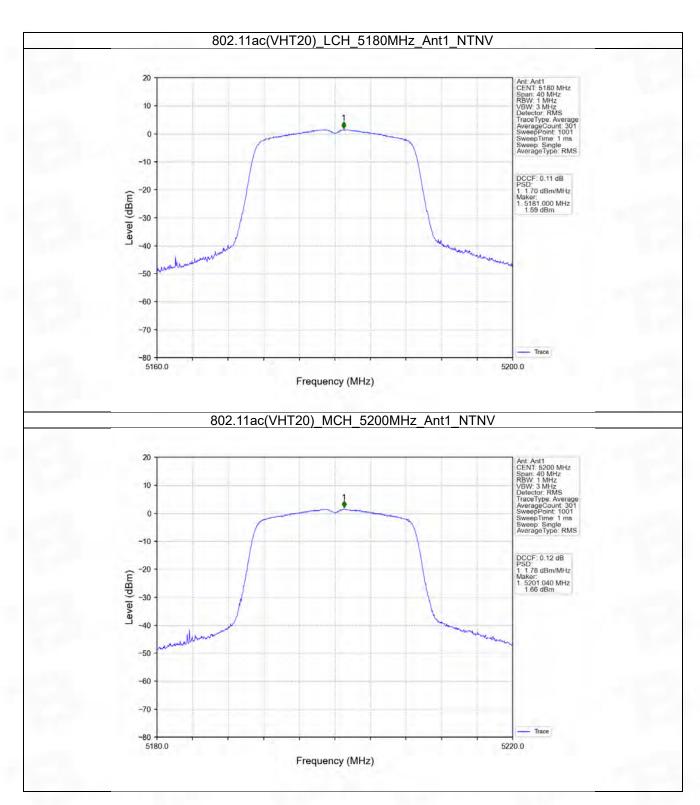




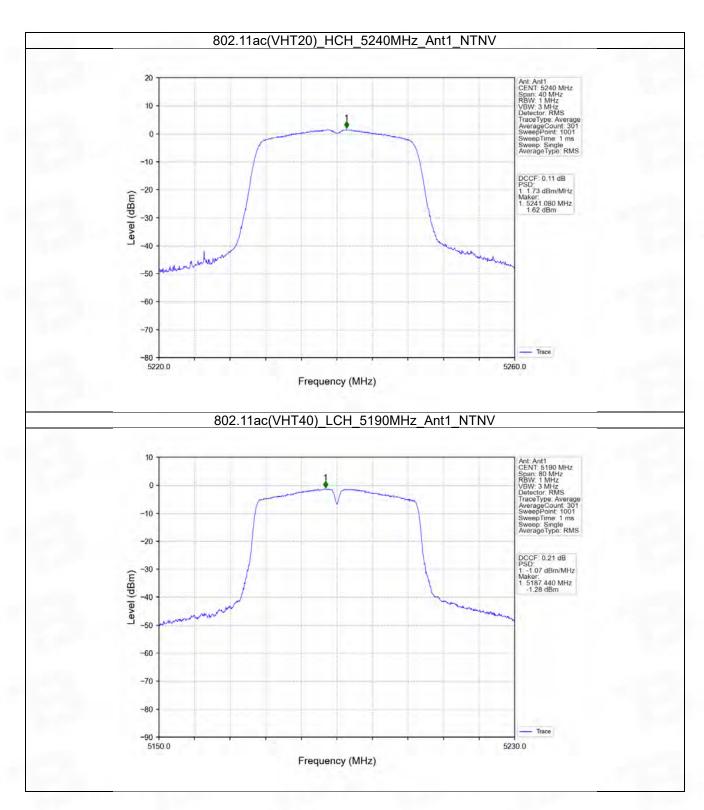




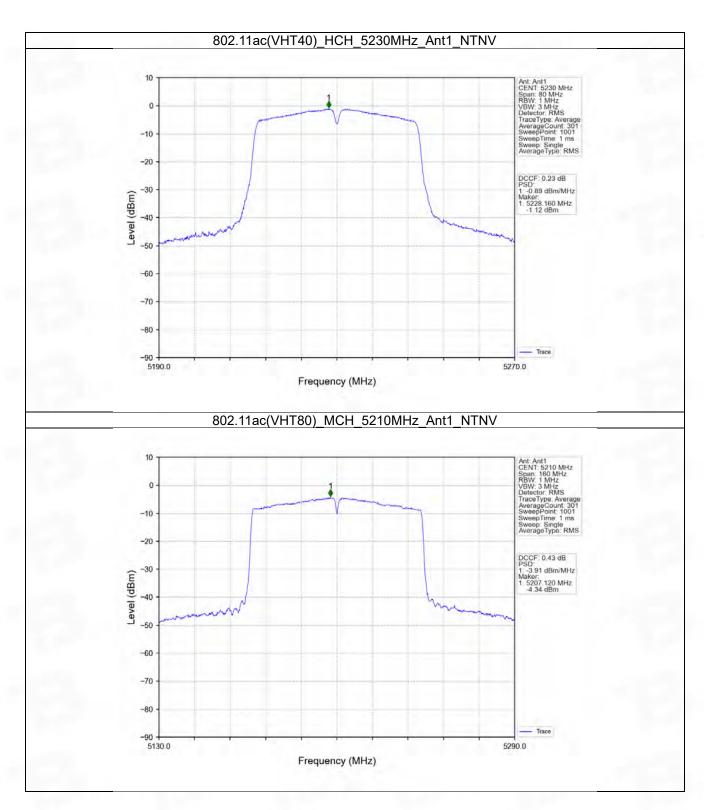


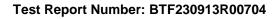










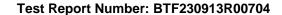




4.2 PSD-Band3

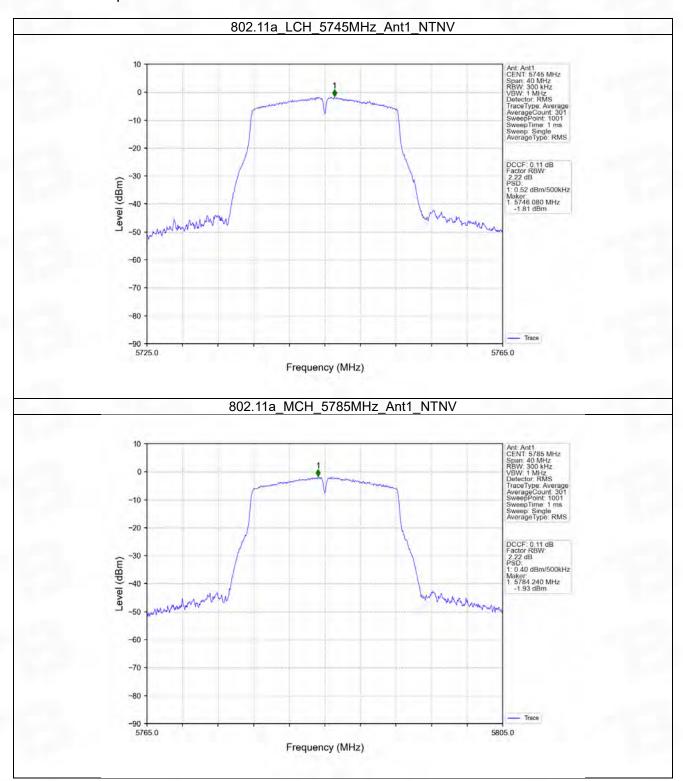
4.2.1 Test Result

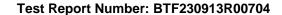
Mode	TX	Frequency	Maximum PSD	Verdict	
Wiode	Type	(MHz)	ANT1	Limit	verdict
		5745	0.52	<=30	Pass
802.11a	SISO	5785	0.40	<=30	Pass
		5825	-0.11	<=30	Pass
000 44=		5745	-0.44	<=30	Pass
802.11n (HT20)	SISO	5785	-0.51	<=30	Pass
		5825	-0.59	<=30	Pass
802.11n (HT40)	SISO	5755	-3.30	<=30	Pass
		5795	-3.33	<=30	Pass
802.11ac (VHT20)	SISO	5745	-0.38	<=30	Pass
		5785	-0.89	<=30	Pass
		5825	-0.74	<=30	Pass
802.11ac (VHT40)	SISO	5755	-3.45	<=30	Pass
	5150	5795	-3.52	<=30	Pass
802.11ac (VHT80)	SISO	5775	-6.44	<=30	Pass
Note1: Antenna	Gain: Ant1: -0.	39dBi;			



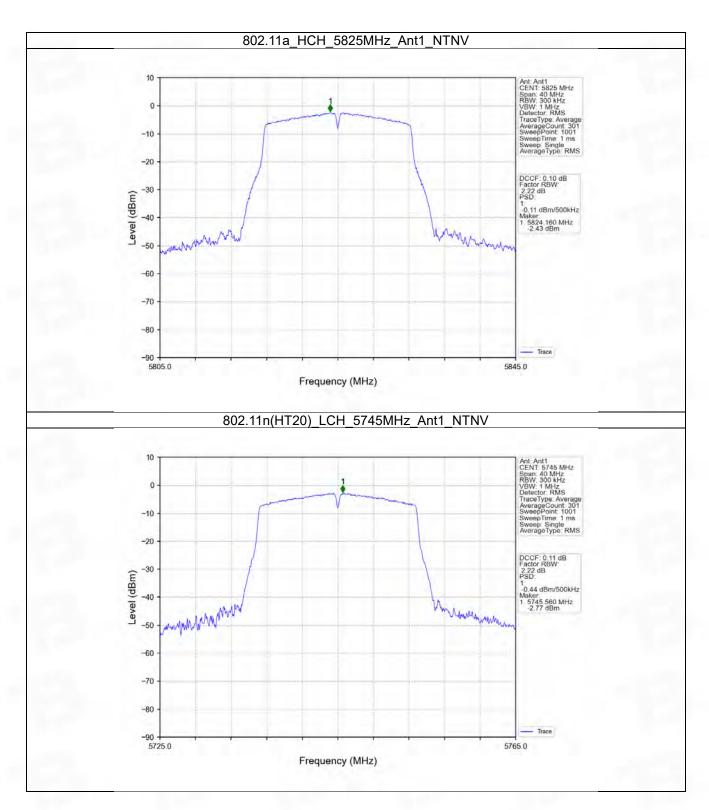


4.2.2 Test Graph

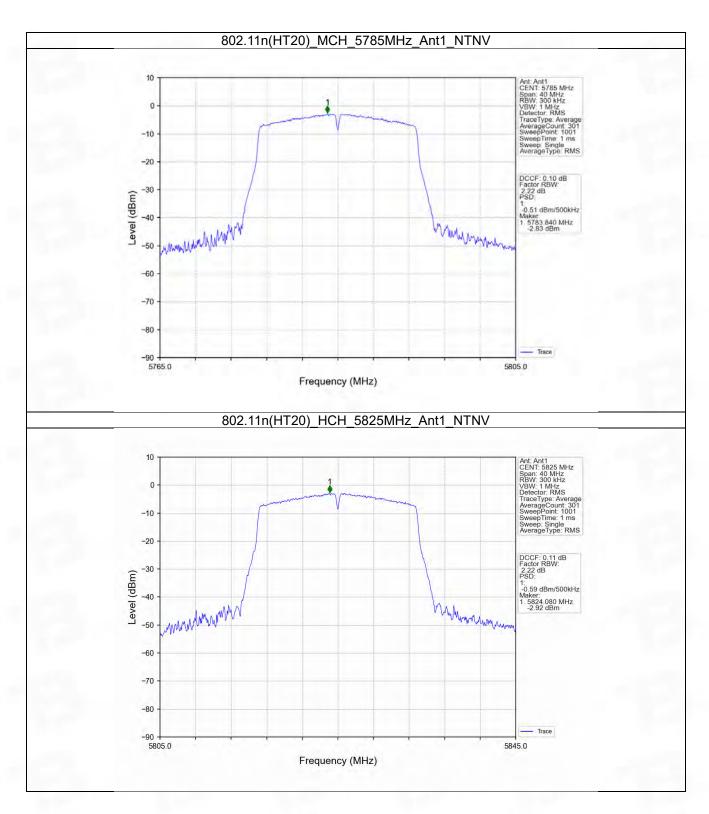




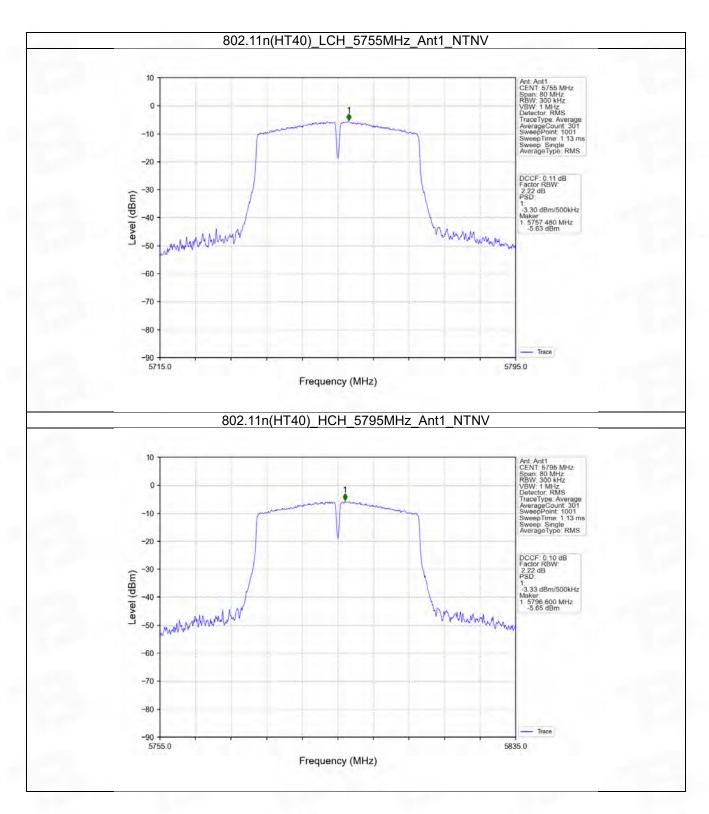




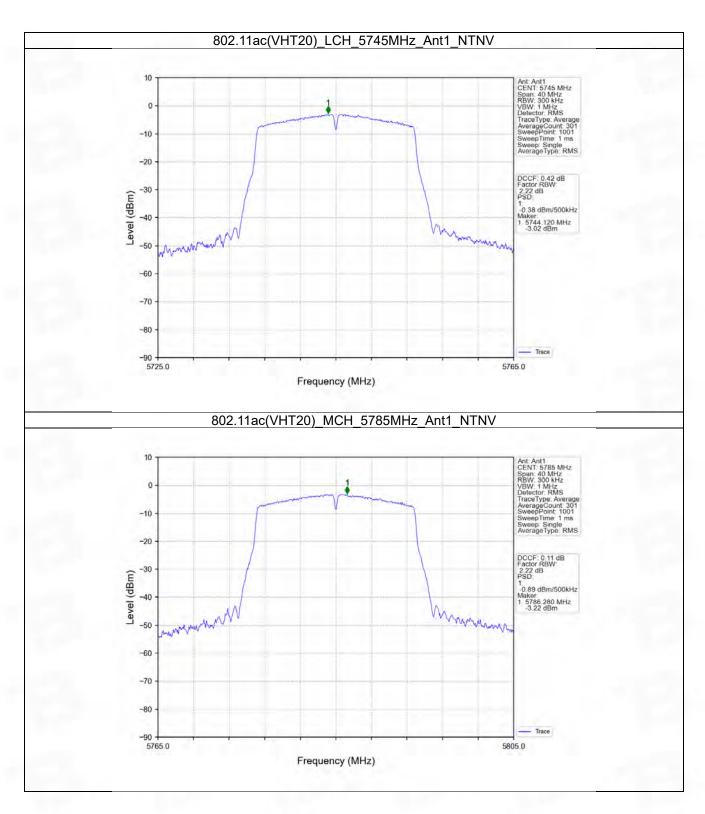


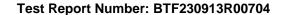




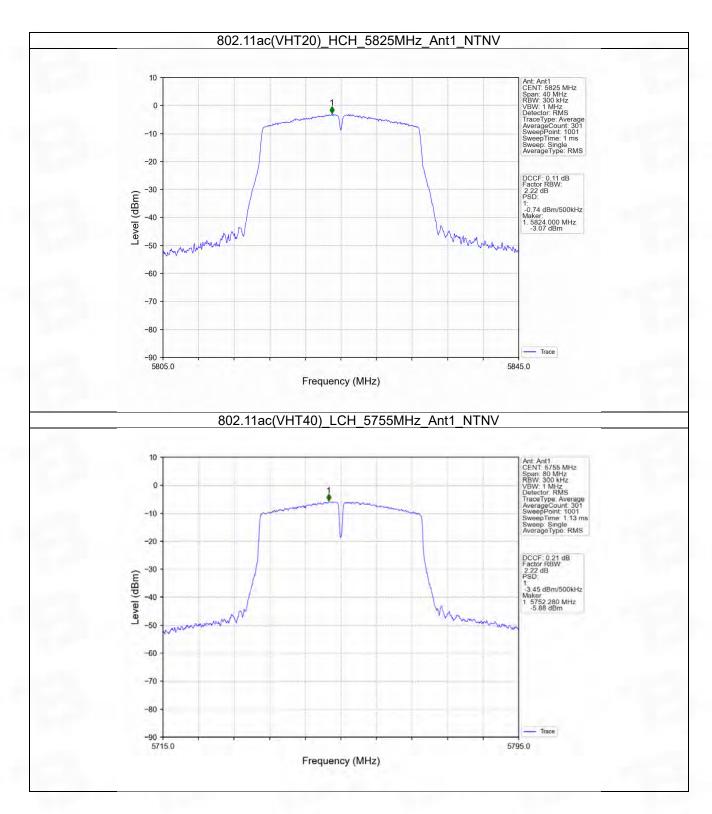




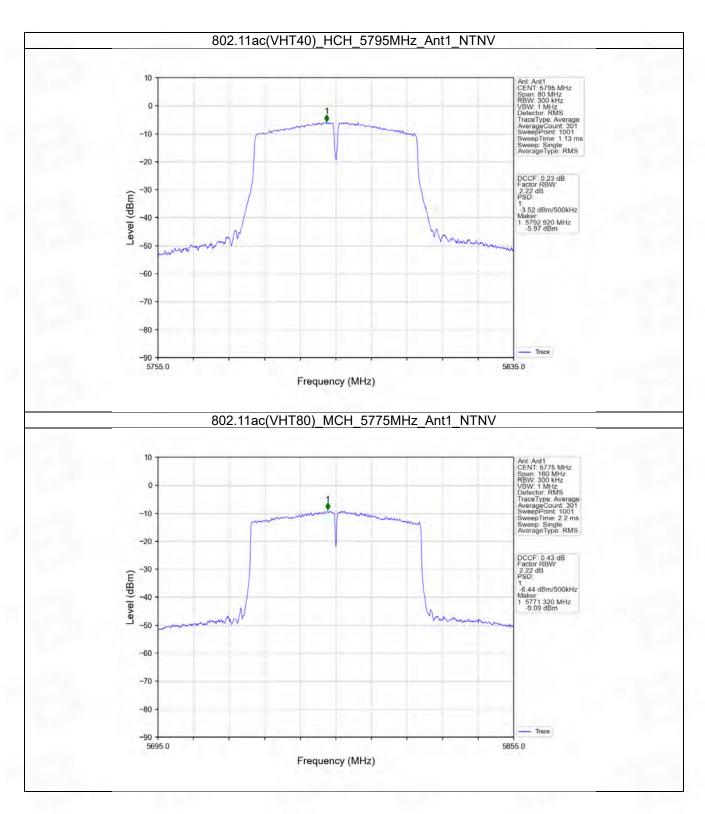


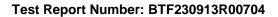














5. Frequency Stability

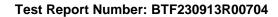
5.1 Ant1

5.1.1 Test Result

	TX	Frequency	Temperature	Ant1 Voltage	Measured Frequency	Limit	
Mode	Туре	(MHz)	(°C)	(VAC)	(MHz)	(MHz)	Verdict
	Турс	(1011 12)	(0)	102	5179.970	5150 to 5250	Pass
			20	120	5179.970	5150 to 5250	Pass
			20	138	5179.969	5150 to 5250	Pass
			-30	120	5179.968	5150 to 5250	Pass
			-20	120	5179.969	5150 to 5250	Pass
		5180	-10	120	5179.969	5150 to 5250	Pass
		3100	0	120	5179.969	5150 to 5250	Pass
			10	120	5179.969	5150 to 5250	Pass
			30	120	5179.968	5150 to 5250	Pass
			40	120	5179.969	5150 to 5250	Pass
			50	120	5179.968	5150 to 5250	Pass
			30	102	5199.968	5150 to 5250	Pass
			20	120	5199.968	5150 to 5250	Pass
			20	138	5199.968	5150 to 5250	Pass
			-30	120	5199.968	5150 to 5250	Pass
			-20	120	5199.968	5150 to 5250	Pass
		5200	-10	120	5199.968	5150 to 5250	Pass
Carrier Wave	SISO	- 10	0	120	5199.968	5150 to 5250	Pass
			10	120	5199.968	5150 to 5250	Pass
			30	120	5199.967	5150 to 5250	Pass
			40	120	5199.968	5150 to 5250	Pass
			50	120	5199.968	5150 to 5250	Pass
			20	102	5239.968	5150 to 5250	Pass
				120	5239.967	5150 to 5250	Pass
				138	5239.967	5150 to 5250	Pass
			-30	120	5239.967	5150 to 5250	Pass
			-20	120	5239.967	5150 to 5250	Pass
		5240	-10	120	5239.967	5150 to 5250	Pass
		3240	0	120	5239.967	5150 to 5250	Pass
			10	120	5239.967	5150 to 5250	Pass
			30	120	5239.967	5150 to 5250	Pass
			40	120	5239.967	5150 to 5250	Pass
			50	120	5239.968	5150 to 5250	Pass
				102	5259.985	5250 to 5350	Pass
			20	120	5259.984	5250 to 5350	Pass
				138	5259.984	5250 to 5350	Pass
		5260	-30	120	5259.983	5250 to 5350	Pass
			-20	120	5259.982	5250 to 5350	Pass
			-10	120	5259.981	5250 to 5350	Pass
			0	120	5259.981	5250 to 5350	Pass
			10	120	5259.980	5250 to 5350	Pass

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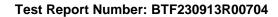




	30	120	5259.978	5250 to 5350	Pass
	40	120	5259.977	5250 to 5350	Pass
	50	120	5259.978	5250 to 5350	Pass
	30	102	5299.975	5250 to 5350	Pass
	20	120	5299.975	5250 to 5350	Pass
	20	138	5299.973	5250 to 5350	Pass
	-30	120	5299.973	5250 to 5350	Pass
	-20	120	5299.972	5250 to 5350	Pass
5300	-10	120	5299.971	5250 to 5350	Pass
3300	0	120	5299.970	5250 to 5350	Pass
	10	120	5299.969	5250 to 5350	Pass
	30	120	5299.969	5250 to 5350	Pass
111111111111111111	40	120	5299.969	5250 to 5350	Pass
1	50	120	5299.969	5250 to 5350	Pass
		102	5319.969	5250 to 5350	Pass
	20	120	5319.969	5250 to 5350	Pass
	20	138	5319.968	5250 to 5350	Pass
	-30	120	5319.967	5250 to 5350	Pass
	-20	120	5319.968	5250 to 5350	Pass
5320	-10	120	5319.969	5250 to 5350	Pass
0020	0	120	5319.972	5250 to 5350	Pass
	10	120	5319.972	5250 to 5350	Pass
	30	120	5319.972	5250 to 5350	Pass
	40	120	5319.972	5250 to 5350	Pass
	50	120	5319.971	5250 to 5350	Pass
		102	5744.967	5725 to 5850	Pass
	20	120	5744.967	5725 to 5850	Pass
		138	5744.967	5725 to 5850	Pass
	-30	120	5744.967	5725 to 5850	Pass
	-20	120	5744.967	5725 to 5850	Pass
5745	-10	120	5744.967	5725 to 5850	Pass
	0	120	5744.967	5725 to 5850	Pass
	10	120	5744.966	5725 to 5850	Pass
	30	120	5744.967	5725 to 5850	Pass
	40	120	5744.966	5725 to 5850	Pass
	50	120	5744.966	5725 to 5850	Pass
		102	5784.966	5725 to 5850	Pass
	20	120	5784.966	5725 to 5850	Pass
		138	5784.967	5725 to 5850	Pass
	-30	120	5784.966	5725 to 5850	Pass
	-20	120	5784.966	5725 to 5850	Pass
5785	-10	120	5784.965	5725 to 5850	Pass
	0	120	5784.966	5725 to 5850	Pass
	10	120	5784.966	5725 to 5850	Pass
	30	120	5784.966	5725 to 5850	Pass
	40	120	5784.966	5725 to 5850	Pass
	50	120	5784.966	5725 to 5850	Pass
		102	5824.966	5725 to 5850	Pass
	20	120	5824.965	5725 to 5850	Pass
5825		138	5824.966	5725 to 5850	Pass
3023	-30	120	5824.965	5725 to 5850	Pass
	-20	120	5824.965	5725 to 5850	Pass
	-10	120	5824.966	5725 to 5850	Pass

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		0	120	5824.966	5725 to 5850	Pass
		10	120	5824.965	5725 to 5850	Pass
		30	120	5824.965	5725 to 5850	Pass
		40	120	5824.965	5725 to 5850	Pass
		50	120	5824.965	5725 to 5850	Pass
		30	102	5189.967	5150 to 5250	Pass
		20	120			
		20		5189.968	5150 to 5250	Pass
		20	138	5189.967	5150 to 5250	Pass
		-30	120	5189.967	5150 to 5250	Pass
	5400	-20	120	5189.967	5150 to 5250	Pass
	5190	-10	120	5189.967	5150 to 5250	Pass
		0	120	5189.967	5150 to 5250	Pass
		10	120	5189.967	5150 to 5250	Pass
		30	120	5189.967	5150 to 5250	Pass
		40	120	5189.967	5150 to 5250	Pass
		50	120	5189.967	5150 to 5250	Pass
		22	102	5229.968	5150 to 5250	Pass
		20	120	5229.967	5150 to 5250	Pass
			138	5229.967	5150 to 5250	Pass
		-30	120	5229.967	5150 to 5250	Pass
		-20	120	5229.967	5150 to 5250	Pass
	5230	-10	120	5229.967	5150 to 5250	Pass
		0	120	5229.967	5150 to 5250	Pass
		10	120	5229.967	5150 to 5250	Pass
		30	120	5229.967	5150 to 5250	Pass
		40	120	5229.967	5150 to 5250	Pass
		50	120	5229.967	5150 to 5250	Pass
			102	5269.972	5250 to 5350	Pass
		20	120	5269.972	5250 to 5350	Pass
			138	5269.971	5250 to 5350	Pass
		-30	120	5269.971	5250 to 5350	Pass
		-20	120	5269.971	5250 to 5350	Pass
	5270	-10	120	5269.971	5250 to 5350	Pass
		0	120	5269.971	5250 to 5350	Pass
		10	120	5269.970	5250 to 5350	Pass
		30	120	5269.971	5250 to 5350	Pass
		40	120	5269.970	5250 to 5350	Pass
		50	120	5269.971	5250 to 5350	Pass
			102	5309.970	5250 to 5350	Pass
		20	120	5309.970	5250 to 5350	Pass
			138	5309.970	5250 to 5350	Pass
		-30	120	5309.970	5250 to 5350	Pass
		-20	120	5309.970	5250 to 5350	Pass
	5310	-10	120	5309.970	5250 to 5350	Pass
		0	120	5309.970	5250 to 5350	Pass
		10	120	5309.970	5250 to 5350	Pass
		30	120	5309.969	5250 to 5350	Pass
		40	120	5309.969	5250 to 5350	Pass
		50	120	5309.969	5250 to 5350	Pass
			102	5754.966	5725 to 5850	Pass
	5755	20	120	5754.967	5725 to 5850	Pass
	3733		138	5754.966	5725 to 5850	Pass
		-30	120	5754.966	5725 to 5850	Pass

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		5795	-20	120	5754.966	5725 to 5850	Pass			
			-10	120	5754.966	5725 to 5850	Pass			
				0	120	5754.966	5725 to 5850	Pass		
			10	120	5754.966	5725 to 5850	Pass			
			30	120	5754.965	5725 to 5850	Pass			
			40	120	5754.966	5725 to 5850	Pass			
			50	120	5754.966	5725 to 5850	Pass			
			20	102	5794.966	5725 to 5850	Pass			
				120	5794.966	5725 to 5850	Pass			
				138	5794.965	5725 to 5850	Pass			
			-30	120	5794.965	5725 to 5850	Pass			
			-20	120	5794.965	5725 to 5850	Pass			
			-10	120	5794.965	5725 to 5850	Pass			
				0	120	5794.965	5725 to 5850	Pass		
							10	120	5794.965	5725 to 5850
							30	120	5794.965	5725 to 5850
			40	120	5794.965	5725 to 5850	Pass			
			50	120	5794.965	5725 to 5850	Pass			

6. Form731

6.1 Form731

6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0185	12.68
5745	5825	0.0194	12.87
5190	5230	0.0177	12.48
5755	5795	0.0186	12.69
5210	5210	0.0141	11.48





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-- END OF REPORT --