

RF Test Report

For

Applicant Name: FOXX Development Inc.

Address: 3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

EUT Name: Smart Phone

Brand Name: FOXXD Model Number: A5 Plus

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,

Address: Tantou Community, Songgang Street, Bao'an District, Shenzhen,

China

Report Number: BTF240124R00101 Test Standards: 47 CFR Part 15.247

Test Conclusion: Pass

FCC ID: 2AQRM-A5PLUS

Test Date: 2024-01-25 to 2024-02-27

Date of Issue: 2024-02-29

Prepared By:

Chris Liu / Project Engine

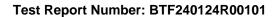
Date: 2024-02-29

Approved By:

Ryan.CJ / EMC Manager

Date: 2024-02-29

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.



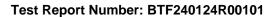


Revision History			
Version	Issue Date	Revisions Content	
R_V0	2024-02-29	Original	
Note: Once the revision has been made, then previous versions reports are invalid.			



Table of Contents

1.1 Identification of the Responsible Testing Location 1.2 Identification of the Responsible Testing Location 1.3 Announcement 2.1 Application Information 2.2 Manufacturer Information 2.3 Factory Information 2.4 General Description of Equipment under Test (EUT) 2.5 Technical Information 3 SUMMARY OF TEST RESULTS 3.1 Test Standards 3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes 5 EVALUATION RESULTS (EVALUATION) 5.1 Antenna requirement 5.1.1 Conclusion: 6 RADIO SPECTRUM MATTER TEST RESULTS (RF) 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.3.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.2.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.3 Test Data: 6.6 Dwell Time. 6.6 Dwell Time. 6.6 Dwell Time. 6.6 Test Setup Diagram: 6.6 Data: 6.6 Test Setup Diagram: 6.6 Data: 6.7 Emissions in non-restricted frequency bands	5
1.2 Identification of the Responsible Testing Location 1.3 Announcement 2 PRODUCT INFORMATION 2.1 Application Information 2.2 Manufacturer Information 2.3 Factory Information 2.4 General Description of Equipment under Test (EUT) 2.5 Technical Information 3 SUMMARY OF TEST RESULTS 3.1 Test Standards 3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION) 5.1 Antenna requirement 5.1.1 Conclusion: 6 RADIO SPECTRUM MATTER TEST RESULTS (RF) 6.1 Conducted Emission at AC power line 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation 6.2.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.3 Test Data: 6.6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.4 E.U.T. Operation: 6.6.5 Test Setup Diagram: 6.6.6 Dwell Time 6.6.7 Test Setup Diagram: 6.6.8 Test Data: 6.7 Emissions in non-restricted frequency bands	5
2.1 Application Information. 2.2 Manufacturer Information. 2.3 Factory Information. 2.4 General Description of Equipment under Test (EUT). 2.5 Technical Information. 3 SUMMARY OF TEST RESULTS. 3.1 Test Standards. 3.2 Uncertainty of Test. 3.3 Summary of Test Result. 4 TEST CONFIGURATION. 4.1 Test Equipment List. 4.2 Test Auxiliary Equipment. 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement. 5.1.1 Conclusion. 6 RADIO SPECTRUM MATTER TEST RESULTS (RF). 6.1 Conducted Emission at AC power line. 6.1.1 E.U.T. Operation. 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation. 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation. 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.4.4 Test Setup Diagram: 6.5.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation. 6.4.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 Channel Separation. 6.6.5 Leur. Operation. 6.6.6 EUT. Operation: 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 E.U.T. Operation: 6.5.4 Test Setup Diagram: 6.5.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 E.U.T. Operation: 6.5.4 Test Setup Diagram: 6.5.5 Test Setup Diagram: 6.5.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data:	5
2.1 Application Information 2.2 Manufacturer Information 2.3 Factory Information 2.4 General Description of Equipment under Test (EUT) 2.5 Technical Information 3 SUMMARY OF TEST RESULTS 3.1 Test Standards 3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes 5 EVALUATION RESULTS (EVALUATION) 5.1 Antenna requirement 5.1.1 Conclusion: 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.5.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.5.3 Test Data: 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Di	5
2.1 Application Information 2.2 Manufacturer Information 2.3 Factory Information 2.4 General Description of Equipment under Test (EUT) 2.5 Technical Information 3 SUMMARY OF TEST RESULTS 3.1 Test Standards 3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes 5 EVALUATION RESULTS (EVALUATION) 5.1 Antenna requirement 5.1.1 Conclusion: 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.3.3 Test Data: 6.5.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.5.3 Test Data: 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Di	6
2.2 Manufacturer Information. 2.3 Factory Information. 2.4 General Description of Equipment under Test (EUT). 2.5 Technical Information. 3 SUMMARY OF TEST RESULTS 3.1 Test Standards 3.2 Uncertainty of Test. 3.3 Summary of Test Result. 4 TEST CONFIGURATION. 4.1 Test Equipment List. 4.2 Test Auxiliary Equipment 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement 5.1.1 Conclusion. 6 RADIO SPECTRUM MATTER TEST RESULTS (RF). 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Cocupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5 Test Data: 6.5 Test Setup Diagram: 6.6.3 Test Data: 6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.5 Test Data: 6.6.7 Test Data: 6.7 Test Data: 6	
2.3 Factory Information 2.4 General Description of Equipment under Test (EUT) 2.5 Technical Information 3 SUMMARY OF TEST RESULTS 3.1 Test Standards 3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes 5 EVALUATION RESULTS (EVALUATION) 5.1 Antenna requirement 5.1.1 Conclusion: 6 RADIO SPECTRUM MATTER TEST RESULTS (RF) 6.1 Conducted Emission at AC power line 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.5.3 Test Data: 6.5.3 Test Data: 6.6.4 Channel Separation 6.6.5 Test Setup Diagram: 6.6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Setup Diagram: 6.6.4 Emissions in non-restricted frequency bands	
2.4 General Description of Equipment under Test (EUT) 2.5 Technical Information	
3.1 Test Standards 3.2 Uncertainty of Test. 3.3 Summary of Test Result. 4 TEST CONFIGURATION. 4.1 Test Equipment List. 4.2 Test Auxiliary Equipment 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement 5.1.1 Conclusion: 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.3.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Setup Diagram: 6.4.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 Diagram: 6.5.5 Test Data: 6.6.5 Dwell Time. 6.6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.3 Test Data: 6.6.4 E.U.T. Operation: 6.5.5 Test Data: 6.6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.3 Test Data: 6.6.4 Emissions in non-restricted frequency bands.	
3.1 Test Standards 3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION	6
3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION. 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement 5.1.1 Conclusion:. 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.5 Dwell Time 6.6.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 E.U.T. Operation: 6.5.5 Test Setup Diagram: 6.5.5 Test Setup Diagram: 6.5.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6 Dwell Time 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	7
3.2 Uncertainty of Test 3.3 Summary of Test Result 4 TEST CONFIGURATION. 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement 5.1.1 Conclusion:. 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.5 Dwell Time 6.6.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 E.U.T. Operation: 6.5.5 Test Setup Diagram: 6.5.5 Test Setup Diagram: 6.5.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6 Dwell Time 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	7
3.3 Summary of Test Result 4.1 TEST CONFIGURATION. 4.1 Test Equipment List 4.2 Test Auxiliary Equipment 4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement. 5.1.1 Conclusion:. 6.1 Conducted Emission at AC power line. 6.1.2 Test Setup Diagram: 6.1.3 Test Data:. 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation:. 6.2.2 Test Setup Diagram: 6.3 Maximum Conducted Output Power. 6.3.1 E.U.T. Operation:. 6.3.2 Test Data:. 6.3 Maximum Conducted Output Power. 6.3.3 Test Data:. 6.4 Channel Separation. 6.4.1 E.U.T. Operation:. 6.4.2 Test Setup Diagram:. 6.5.3 Test Data:. 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation:. 6.5.2 Test Setup Diagram:. 6.5.3 Test Data:. 6.5 Number of Hopping Frequencies. 6.5.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.3 Test Data: 6.5 Test Setup Diagram:. 6.5.3 Test Data:. 6.5 Test Setup Diagram:. 6.5 Test Setup Diagram:. 6.5 Test Setup Diagram:. 6.5 Test Setup Diagram:. 6.6 Dwell Time. 6.6.1 E.U.T. Operation:. 6.6.2 Test Setup Diagram:. 6.6.3 Test Data:. 6.7 Emissions in non-restricted frequency bands	
4.1 Test Equipment List	
4.1 Test Equipment List	8
4.2 Test Auxiliary Equipment 4.3 Test Modes	
4.3 Test Modes. 5 EVALUATION RESULTS (EVALUATION)	
5 EVALUATION RESULTS (EVALUATION). 5.1 Antenna requirement	
5.1 Antenna requirement 5.1.1 Conclusion: 6 RADIO SPECTRUM MATTER TEST RESULTS (RF) 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.2 Test Setup Diagram: 6.6.3 Test Data:	
5.1.1 Conclusion: 6 RADIO SPECTRUM MATTER TEST RESULTS (RF) 6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.4 Dwell Time 6.6.5 Test Setup Diagram: 6.6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.4 Emissions in non-restricted frequency bands	
6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data:	
6.1 Conducted Emission at AC power line 6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth. 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.1.1 E.U.T. Operation: 6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.4 Emissions in non-restricted frequency bands	
6.1.2 Test Setup Diagram: 6.1.3 Test Data: 6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.4 Emissions in non-restricted frequency bands	12
6.1.3 Test Data: 6.2 Occupied Bandwidth	12
6.2 Occupied Bandwidth 6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.2.1 E.U.T. Operation: 6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data:	
6.2.2 Test Setup Diagram: 6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data:	
6.2.3 Test Data: 6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data:	
6.3 Maximum Conducted Output Power 6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6.0 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.3 Test Data:	
6.3.1 E.U.T. Operation: 6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data:	
6.3.2 Test Setup Diagram: 6.3.3 Test Data: 6.4 Channel Separation. 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.3.3 Test Data: 6.4 Channel Separation	
6.4 Channel Separation 6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.4.1 E.U.T. Operation: 6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.4 E.U.T. Operation: 6.6.5 Test Setup Diagram: 6.6.6 Test Setup Diagram: 6.6.7 Emissions in non-restricted frequency bands	
6.4.2 Test Setup Diagram: 6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.4 E.U.T. Operation: 6.6.5 Test Setup Diagram: 6.6.6 Test Setup Diagram: 6.6.7 Emissions in non-restricted frequency bands	
6.4.3 Test Data: 6.5 Number of Hopping Frequencies 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.5 Number of Hopping Frequencies. 6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.4 Emissions in non-restricted frequency bands	
6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.3 Test Data: 6.6.7 Emissions in non-restricted frequency bands	
6.5.2 Test Setup Diagram: 6.5.3 Test Data: 6.6 Dwell Time. 6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.6.7 Emissions in non-restricted frequency bands	
6.5.3 Test Data: 6.6 Dwell Time	
6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.6.1 E.U.T. Operation: 6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.6.2 Test Setup Diagram: 6.6.3 Test Data: 6.7 Emissions in non-restricted frequency bands	
6.6.3 Test Data:	
	24
6.7.1 E.U.T. Operation:	24
6.7.2 Test Setup Diagram:	





		6.7.3	Test Data:	24
	6.8	Band	edge emissions (Radiated)	2
		6.8.1	E.U.T. Operation:	25
		6.8.2	Test Setup Diagram:	2!
		6.8.3	Test Data:	26
	6.9	Emiss	sions in frequency bands (below 1GHz)	27
		6.9.1	E.U.T. Operation: Test Setup Diagram:	27
		6.9.2	Test Setup Diagram:	27
		6.9.3	Test Data:	28
	6.10	Emis	ssions in frequency bands (above 1GHz)	30
		6.10.1	1 E.U.T. Operation:	30
		6.10.2	2 Test Setup Diagram:	30
		6.10.3	3 Test Data:	3
7	TEST	r setu	IP PHOTOS	33
8			TRUCTIONAL DETAILS (EUT PHOTOS)	
APP			` '	





1 Introduction

1.1 Identification of Testing Laboratory

	0 11	
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.





2 Product Information

2.1 Application Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.2 Manufacturer Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.3 Factory Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.4 General Description of Equipment under Test (EUT)

EUT Name:	Smart Phone
Test Model Number:	A5 Plus
Series Model Number:	N/A
Description of Model name differentiation:	N/A
Software Version:	c64-xx08-ybt-S6B15-A5_V01

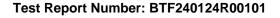
2.5 Technical Information

Power Supply:	DC 5V from adaptor or 4.35V from battery
Power Adaptor:	Input:AC 100-240V 50/60Hz 0.3A Output:5.0V==1000mA
Operation Frequency:	2402MHz to 2480MHz
Number of Channels:	79
Modulation Type:	GFSK, π/4 DQPSK, 8DPSK
Antenna Type:	PIFA ANT
Antenna Gain#:	0.19dBi

Note:

Bluetooth Version: 5.0

^{#:} 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 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

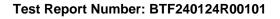
3.2 Uncertainty of Test

Item	Measurement Uncertainty
Conducted Emission (150 kHz-30 MHz)	±2.64dB
Occupied Bandwidth	±69kHz
Transmitter Power, Conducted	±0.87dB
Conducted Spurious Emissions	±0.95dB
Radiated Spurious Emissions (above 1GHz)	1-6GHz: ±3.94dB 6-18GHz: ±4.16dB
Radiated Spurious Emissions (30M - 1GHz)	±4.12dB

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 15.247	47 CFR 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15.247	47 CFR 15.207(a)	Pass
Occupied Bandwidth	47 CFR Part 15.247	47 CFR 15.215(c)	Pass
Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(1)	Pass
Channel Separation	47 CFR Part 15.247	47 CFR 15.247(a)(1)	Pass
Number of Hopping Frequencies	47 CFR Part 15.247	47 CFR 15.247(a)(1)(iii)	Pass
Dwell Time	47 CFR Part 15.247	47 CFR 15.247(a)(1)(iii)	Pass
Emissions in non-restricted frequency bands	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
Emissions in frequency bands (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	Pass
Emissions in frequency bands (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d), 15.209, 15.205	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	/	1			
Coaxial Switcher	SCHWARZBECK	CX210	CX210	/	/			
V-LISN	SCHWARZBECK	NSLK 8127	01073	2023-11-16	2024-11-15			
LISN	AFJ	LS16/110VAC	16010020076	2023-11-26	2024-11-15			
EMI Receiver	ROHDE&SCHWA RZ	ESCI3	101422	2023-11-15	2024-11-14			

Occupied Bandwidth

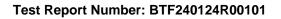
Maximum Conducted Output Power

Channel Separation

Number of Hopping Frequencies

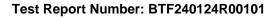
Dwell Time

Emissions in non-res	Emissions in non-restricted frequency bands								
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date				
RFTest software	/	V1.00	/	/	/				
RF Control Unit	Techy	TR1029-1	/	/	/				
RF Sensor Unit	Techy	TR1029-2	1	/	/				
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	/	/				
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)				
Emissions in frequen		GHz)			
Emissions in frequen					
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	/	/
RE Cable	REBES Talent	UF1-SMASMAM- 10m	21101566	/	1
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	/	/
RE Cable	RE Cable REBES Talent		21101568	/	/
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	/	/
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2023-11-13	2024-11-12
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	/	/
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	00008	/	1
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	1
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2023-11-13	2024-11-12



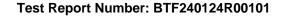


4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

No.	Test Modes	Description
TM1	TX-GFSK (Non-	Keep the EUT in continuously transmitting mode (non-hopping) with
11011	Hopping)	GFSK modulation.
TM2	TX-Pi/4DQPSK (Non-	Keep the EUT in continuously transmitting mode (non-hopping) with
I IVIZ	Hopping)	Pi/4DQPSK modulation.
TMO	TX-8DPSK (Non-	Keep the EUT in continuously transmitting mode (non-hopping) with
TM3	Hopping)	8DPSK modulation.
TM4	TX-GFSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with GFSK
1101-	TX Of OR (Hopping)	modulation,.
TM5	TX-Pi/4DQPSK	Keep the EUT in continuously transmitting mode (hopping) with
TIVIS	(Hopping)	Pi/4DQPSK modulation.
TM6	TX-8DPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with 8DPSK
I IVIO	17-00F3K (Hopping)	modulation.





5 Evaluation Results (Evaluation)

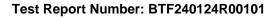
5.1 Antenna requirement

Test Requirement:

Refer to 47 CFR Part 15.203, 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.

5.1.1 Conclusion:







Radio Spectrum Matter Test Results (RF) 6

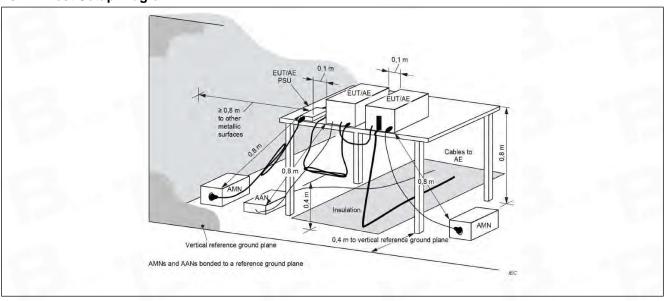
Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN).						
Test Method:	ANSI C63.10-2013 section 6.2						
	Frequency of emission (MHz)	Conducted limit (dBµV)					
		Quasi-peak	Average				
Test Limit:	0.15-0.5	66 to 56*	56 to 46*				
rest Limit.	0.5-5	56	46				
	5-30	60	50				
	*Decreases with the logarithm of the frequency.						
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices						

6.1.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

6.1.2 Test Setup Diagram:

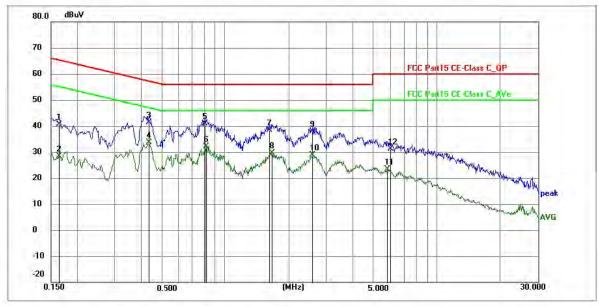




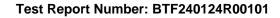


6.1.3 Test Data:

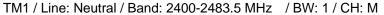
TM1 / Line: Line / Band: 2400-2483.5 MHz / BW: 1 / CH: M

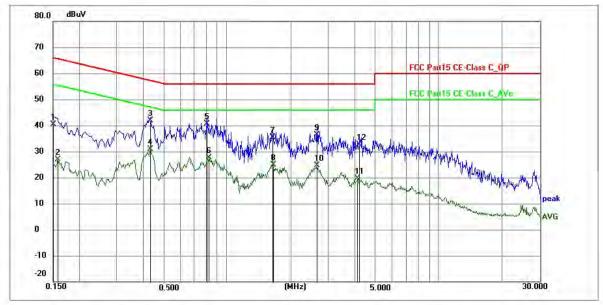


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1635	30.12	10.48	40.60	65.28	-24.68	QP	Р	
2	0.1635	17.93	10.48	28.41	55.28	-26.87	AVG	Р	
3	0.4334	30.73	10.57	41.30	57.19	-15.89	QP	Р	
4 *	0.4334	23.01	10.57	33.58	47.19	-13.61	AVG	Р	
5	0.8070	30.21	10.69	40.90	56.00	-15.10	QP	Р	
6	0.8160	21.49	10.69	32.18	46.00	-13.82	AVG	Р	
7	1.6125	27.74	10.66	38.40	56.00	-17.60	QP	Р	
8	1.6665	18.96	10.67	29.63	46.00	-16.37	AVG	Р	
9	2.5844	27.23	10.67	37.90	56.00	-18.10	QP	Р	
10	2.5844	18.23	10.67	28.90	46.00	-17.10	AVG	Р	
11	5.8290	12.50	10.76	23.26	50.00	-26.74	AVG	Р	
12	6.0450	20.43	10.77	31.20	60.00	-28.80	QP	P	

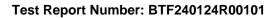








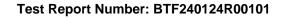
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	30.05	10.45	40.50	66.00	-25.50	QP	Р	
2	0.1581	16.40	10.47	26.87	55.56	-28.69	AVG	Р	
3	0.4290	31.23	10.57	41.80	57.27	-15.47	QP	Р	
4	0.4290	20.39	10.57	30.96	47.27	-16.31	AVG	P	
5 *	0.8024	30.01	10.69	40.70	56.00	-15.30	QP	Р	
6	0.8250	16.91	10.69	27.60	46.00	-18.40	AVG	Р	
7	1.6394	24.63	10.67	35.30	56.00	-20.70	QP	Р	
8	1.6530	14.22	10.67	24.89	46.00	-21.11	AVG	Р	
9	2.6610	25.73	10.67	36.40	56.00	-19.60	QP	Р	
10	2.6610	14.03	10.67	24.70	46.00	-21.30	AVG	Р	
11	4.1369	8.91	10.69	19.60	46.00	-26.40	AVG	Р	
12	4.2134	21.91	10.69	32.60	56.00	-23.40	QP	Р	,





6.2 Occupied Bandwidth

Test Requirement:	47 CFR 15.215(c)
Test Method:	ANSI C63.10-2013, section 7.8.7, For occupied bandwidth measurements, use the procedure in 6.9.2.
Test Limit:	KDB 558074 D01 15.247 Meas Guidance v05r02 Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency
	band designated in the rule section under which the equipment is operated.
	 a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five 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 video bandwidth (VBW) shall be approximately three times RBW,
	unless otherwise specified by the 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) Steps a) through c) might require iteration to adjust within the specified
	tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "-xx dB down" requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the
	reference value. f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference
Procedure:	value). h) Determine the "-xx dB down amplitude" using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of
	the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from
	step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-xx dB down amplitude" determined in step h). If a marker is
	below this "-xx dB down amplitude" value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the "-xx dB down
	amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth. k) 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).

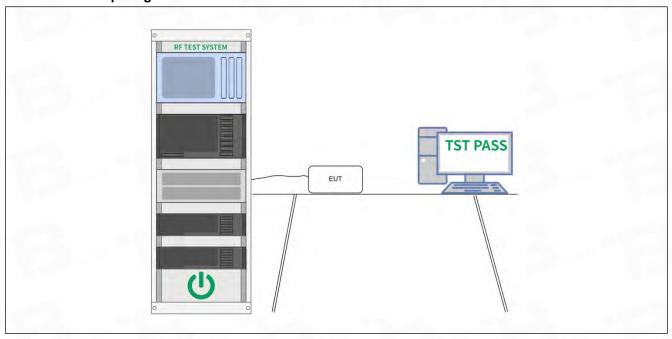




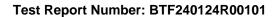
6.2.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

6.2.2 Test Setup Diagram:



6.2.3 Test Data:





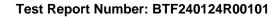
6.3 Maximum Conducted Output Power

Test Descriptions	47 OFD 45 047(h)(4)
Test Requirement:	47 CFR 15.247(b)(1)
Test Method:	ANSI C63.10-2013, section 7.8.5
Test Wethod:	KDB 558074 D01 15.247 Meas Guidance v05r02
Test Limit:	Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
Procedure:	This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. The hopping shall be disabled for this test: a) Use the following spectrum analyzer settings: 1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel. 2) RBW > 20 dB bandwidth of the emission being measured. 3) VBW >= RBW. 4) Sweep: Auto. 5) Detector function: Peak. 6) Trace: Max hold. b) Allow trace to stabilize. c) Use the marker-to-peak function to set the marker to the peak of the emission. d) The indicated level is the peak output power, after any corrections for external attenuators and cables. e) A plot of the test results and setup description shall be included in the test report. NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

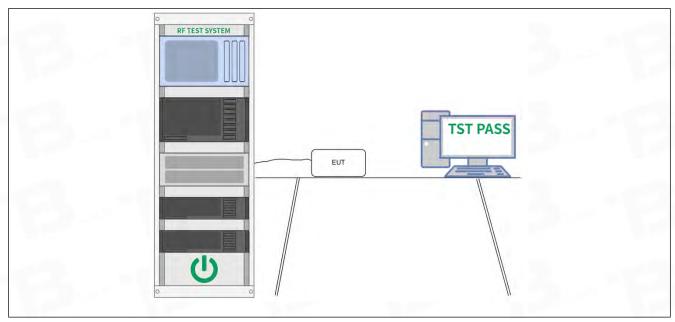
6.3.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

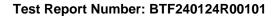
6.3.2 Test Setup Diagram:







6.3.3 Test Data:





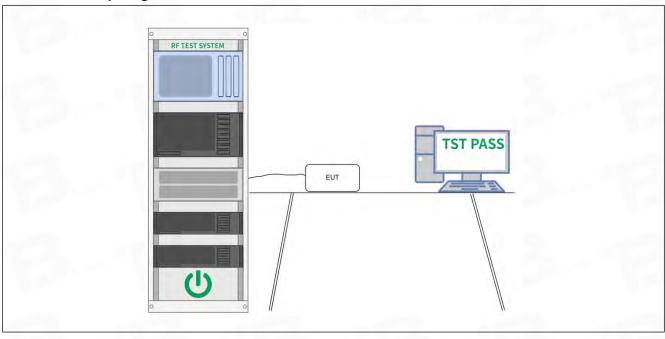
6.4 Channel Separation

Test Requirement:	47 CFR 15.247(a)(1)
Test Method:	ANSI C63.10-2013, section 7.8.2
rest wethod.	KDB 558074 D01 15.247 Meas Guidance v05r02
Test Limit:	Refer to 47 CFR 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: Auto. e) Detector function: Peak. f) Trace: Max hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A plot of the data shall be included in the test report.

6.4.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

6.4.2 Test Setup Diagram:



6.4.3 Test Data:





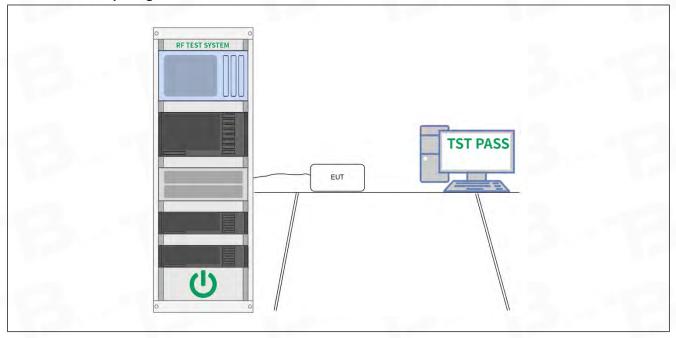
6.5 Number of Hopping Frequencies

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Method:	ANSI C63.10-2013, section 7.8.3
Test Wethod.	KDB 558074 D01 15.247 Meas Guidance v05r02
Test Limit:	Refer to 47 CFR 15.247(a)(1)(iii), Fequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen. b) RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. c) VBW ≥ RBW. d) Sweep: Auto. e) Detector function: Peak. f) Trace: Max hold. g) Allow the trace to stabilize. It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A plot of the data shall be included in the test report.

6.5.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

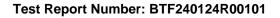
6.5.2 Test Setup Diagram:





Test Report Number: BTF240124R00101

6.5.3 Test Data:





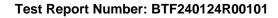
6.6 Dwell Time

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Method:	ANSI C63.10-2013, section 7.8.4 KDB 558074 D01 15.247 Meas Guidance v05r02
Test Limit:	Refer to 47 CFR 15.247(a)(1)(iii), Fequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Zero span, centered on a hopping channel. b) RBW shall be <= channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel. c) Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel. d) Detector function: Peak. e) Trace: Max hold. Use the marker-delta function to determine the transmit time per hop. If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time. Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements. Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation: (Number of hops in the period specified in the requirements) = (number of hops on spectrum analyzer) × (period specified in the requirements / analyzer sweep time) The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements. If the number of hops in a specific time varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation. The measured transmit time and time between hops shall be consistent with the values described in the operational description for the EUT.

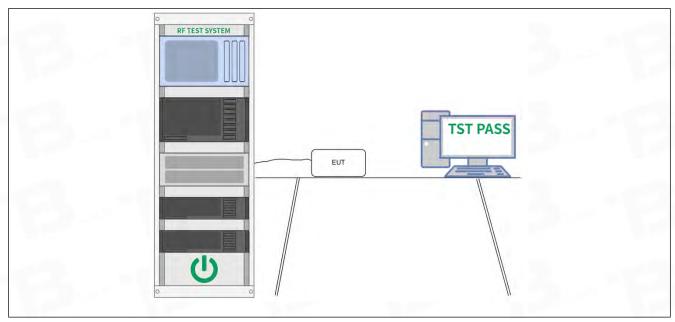
6.6.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

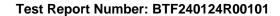
6.6.2 Test Setup Diagram:







6.6.3 Test Data:





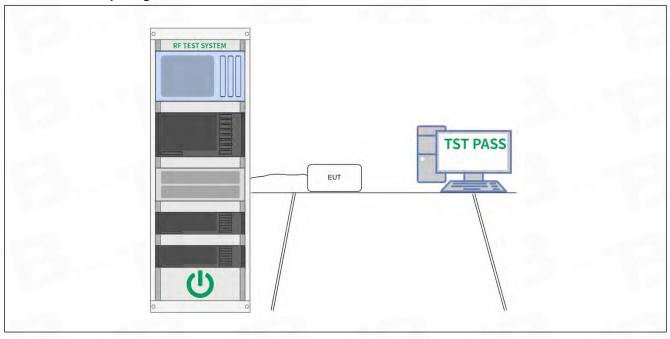
6.7 Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Method:	ANSI C63.10-2013 section 7.8.8
rest Metriod.	KDB 558074 D01 15.247 Meas Guidance v05r02
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Procedure:	Conducted spurious emissions shall be measured for the transmit frequency, per 5.5 and 5.6, and at the maximum transmit powers. Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The instrument shall span 30 MHz to 10 times the operating frequency in GHz, with a resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector. The band 30 MHz to the highest frequency may be split into smaller spans, as long as the entire spectrum is covered.

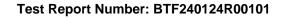
6.7.1 E.U.T. Operation:

<u>.</u>	
Operating Environment:	
Temperature:	25.8 °C
Humidity:	49.8 %
Atmospheric Pressure:	1010 mbar

6.7.2 Test Setup Diagram:



6.7.3 Test Data:





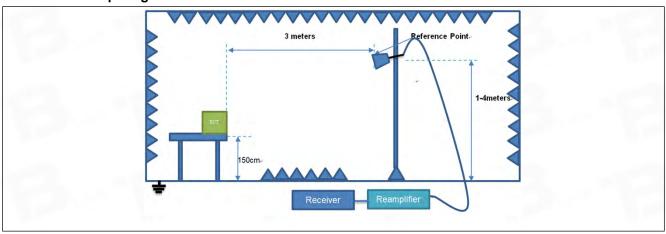
Band edge emissions (Radiated)

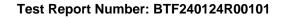
	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated							
Test Requirement:								
	emission limits specified in § 15.209(a)(see § 15.205(c)).`							
Test Method:	ANSI C63.10-2013 section (
rest metrod.	KDB 558074 D01 15.247 M	eas Guidance v05r02						
	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					
Test Limit:	Above 960 500 3							
	** Except as provided in paragraph (g), fundamental emissions from intentional							
	radiators operating under this section shall not be located in the frequency bands							
	54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within							
	these frequency bands is permitted under other sections of this part, e.g., §§							
	15.231 and 15.241.							
	In the emission table above, the tighter limit applies at the band edges.							
	The emission limits shown in the above table are based on measurements							
	employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz,							
	110–490 kHz and above 1000 MHz. Radiated emission limits in these three b							
		s employing an average detector.						
Procedure:	ANSI C63.10-2013 section 6.10.5.2							

6.8.1 E.U.T. Operation:

Operating Environment:				
Temperature: 25.4 °C				
Humidity:	51.6 %			
Atmospheric Pressure:	1010 mbar			

6.8.2 Test Setup Diagram:







6.8.3 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	64.85	-30.59	34.26	74.00	-39.74	peak	Р
2 *	2390.000	65.39	-30.49	34.90	74.00	-39.10	peak	Р

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L

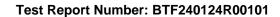
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	64.85	-30.59	34.26	74.00	-39.74	peak	Р
2 *	2390.000	65.05	-30.49	34.56	74.00	-39.44	peak	Р

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	66.18	-30.39	35.79	74.00	-38.21	peak	Р
2 *	2500.000	66.64	-30.37	36.27	74.00	-37.73	peak	Р

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	2483.500	66.33	-30.39	35.94	74.00	-38.06	peak	Р
2	2500.000	65.38	-30.37	35.01	74.00	-38.99	peak	Р





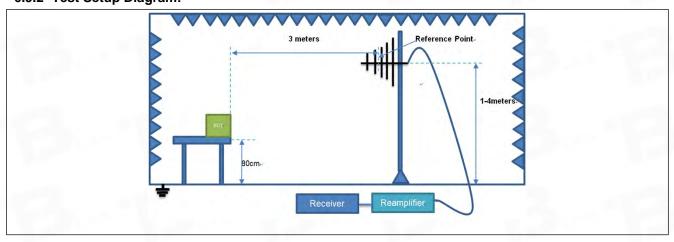
6.9 Emissions in frequency bands (below 1GHz)

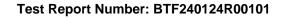
	Refer to 47 CFR 15.247	(d), In addition, radiated emission	ons which fall in the					
Test Requirement:		ned in § 15.205(a), must also co						
•	emission limits specified in § 15.209(a)(see § 15.205(c)).							
To at Math a di	ANSI C63.10-2013 section 6.6.4							
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02							
	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					
Test Limit:	Above 960	500	3					
1000 2	** Except as provided in paragraph (g), fundamental emissions from intentional							
		r this section shall not be locate						
		174-216 MHz or 470-806 MHz.	·					
		these frequency bands is permitted under other sections of this part, e.g., §§						
	15.231 and 15.241.							
		ove, the tighter limit applies at the						
		The emission limits shown in the above table are based on measurements						
	employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz,							
	110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands							
Due e e di me i	are based on measurements employing an average detector.							
Procedure:	ANSI C63.10-2013 secti	on 6.6.4						

6.9.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.4 °C
Humidity:	51.6 %
Atmospheric Pressure:	1010 mbar

6.9.2 Test Setup Diagram:

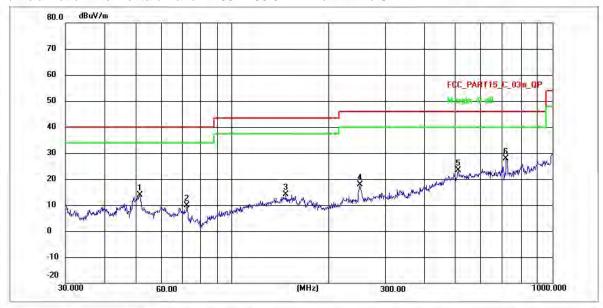






6.9.3 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: M

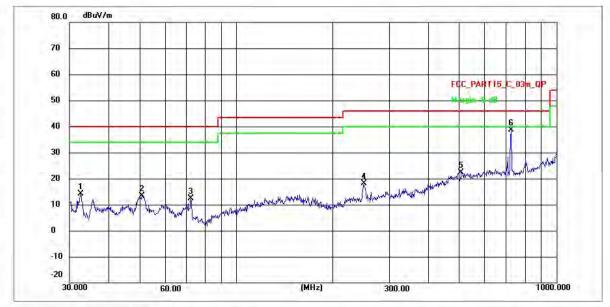


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	51.3005	32.10	-18.26	13.84	40.00	-26.16	peak	Р
2	72.2108	27.95	-18.09	9.86	40.00	-30.14	peak	Р
3	147.4036	29.05	-14.97	14.08	43.50	-29.42	peak	P
4	250.7404	34.04	-16.24	17.80	46.00	-28.20	peak	P
5	509.1501	34.96	-11,49	23.47	46.00	-22.53	peak.	Р
6 *	719.1995	51.46	-23.65	27.81	46.00	-18.19	peak	Р

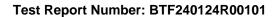








2 50.6748 33.80 -20.31 13.49 40.00 -26.51 p	ector P/F
- 110,70 - 100, 100,00 - 100,00	eak P
	eak P
3 72.2108 32.26 -19.96 12.30 40.00 -27.70 pt	eak P
4 250.3012 32.17 -14.02 18.15 46.00 -27.85 pt	eak P
5 504.7062 33.46 -11.13 22.33 46.00 -23.67 p	eak. P
6 * 722.9924 62.20 -23.69 38.51 46.00 -7.49 p	eak P





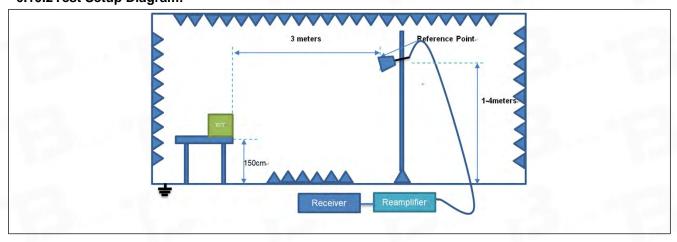
6.10 Emissions in frequency bands (above 1GHz)

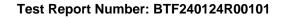
: : =:::::::::::::::::::::::::::::::::	equeries barrae (above	<u> </u>						
Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`							
Test Method:	ANSI C63.10-2013 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02							
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement 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					
Test Limit:	Above 960	500	3					
	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.							
	In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements							
	employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands							
Procedure:	are based on measurements employing an average detector. ANSI C63.10-2013 section 6.6.4							

6.10.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.4 °C
Humidity:	51.6 %
Atmospheric Pressure:	1010 mbar

6.10.2Test Setup Diagram:







6.10.3Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4804.000	69.11	-27.92	41.19	74.00	-32.81	peak	Р
2	7206.000	70.66	-24.87	45.79	74.00	-28.21	peak	Р
3 *	9608.000	71.45	-23.43	48.02	74.00	-25.98	peak	Р

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L

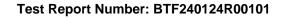
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4804.000	69.43	-27.92	41.51	74.00	-32.49	peak	Р
2	7206.000	72.25	-24.87	47.38	74.00	-26.62	peak	Р
3 *	9608.000	71.18	-23.43	47.75	74.00	-26.25	peak	Р

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4882.000	67.54	-27.70	39.84	74.00	-34.16	peak	Р
2 *	7323.000	70.98	-24.83	46.15	74.00	-27.85	peak	Р
3	9764.000	68.69	-23.78	44.91	74.00	-29.09	peak	Р

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4882.000	69.54	-27.70	41.84	74.00	-32.16	peak	Р
2 *	7323.000	70.70	-24.83	45.87	74.00	-28.13	peak	Р
3	9764.000	67.76	-23.78	43.98	74.00	-30.02	peak	Р



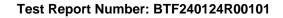


TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4960.000	69.50	-27.49	42.01	74.00	-31.99	peak	Р
2	7440.000	69.08	-24.80	44.28	74.00	-29.72	peak	Р
3 *	9920.000	69.87	-24.11	45.76	74.00	-28.24	peak	Р

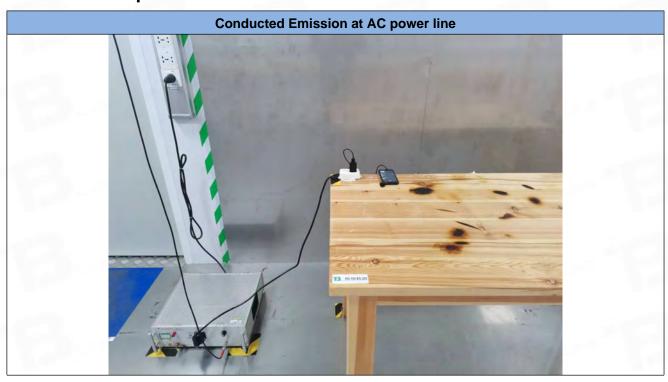
TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: H

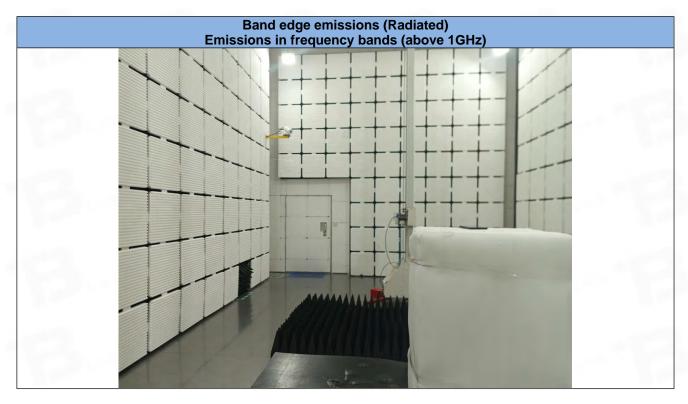
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	4960.000	70.18	-27.49	42.69	74.00	-31.31	peak	Р
2	7440.000	67.90	-24.80	43.10	74.00	-30.90	peak	Р
3 *	9920.000	67.84	-24.11	43.73	74.00	-30.27	peak	Р

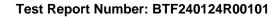




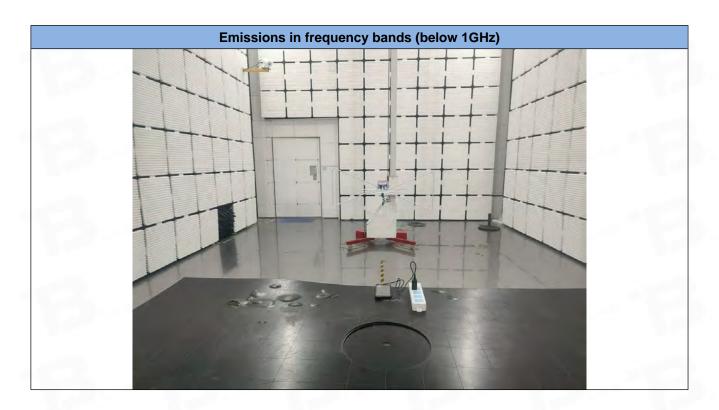
Test Setup Photos





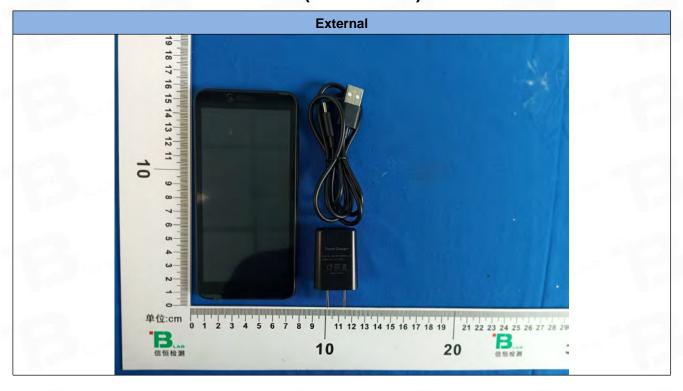


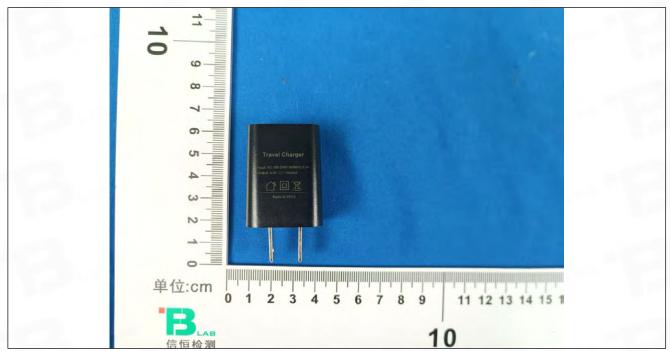


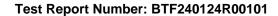




EUT Constructional Details (EUT Photos) 8



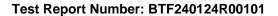








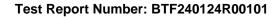








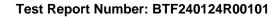




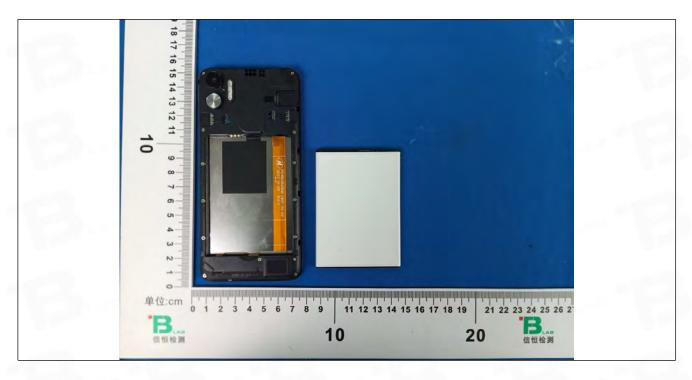


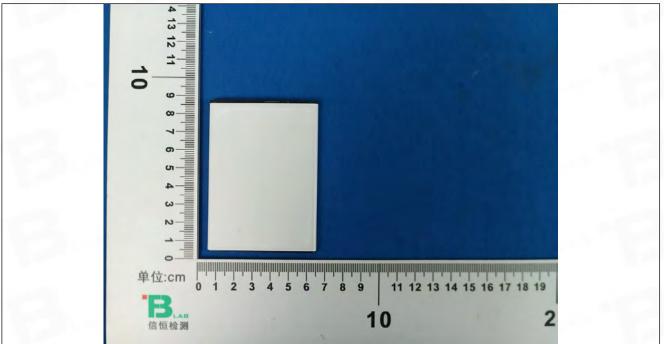


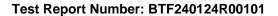




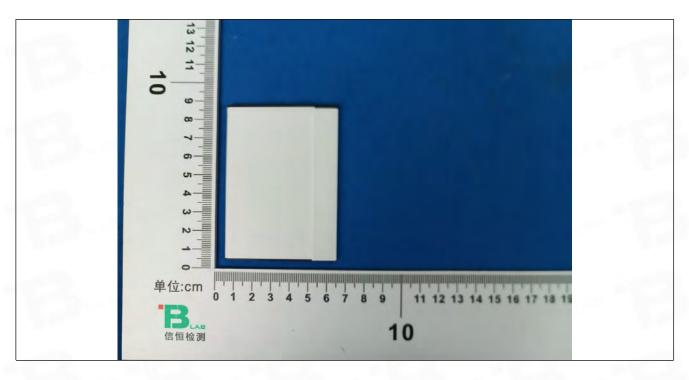




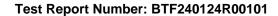








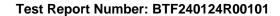




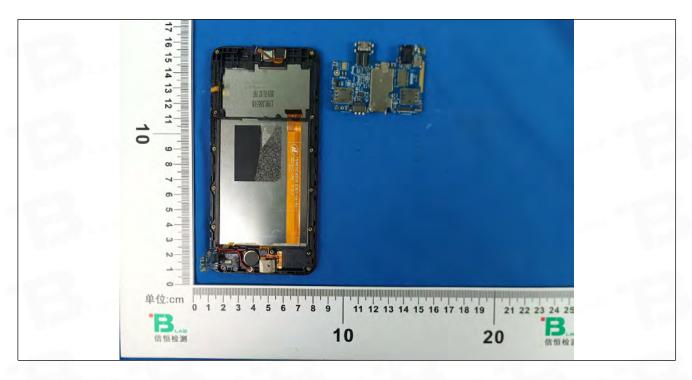


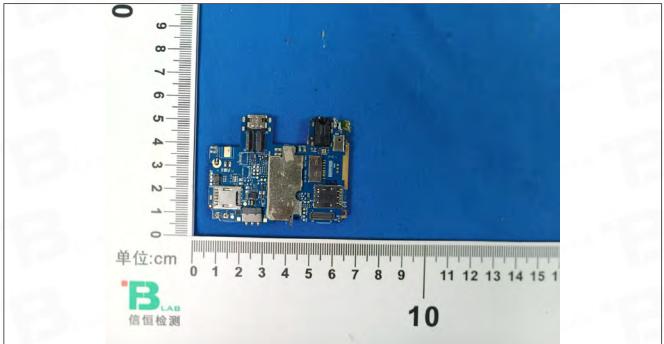


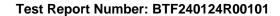




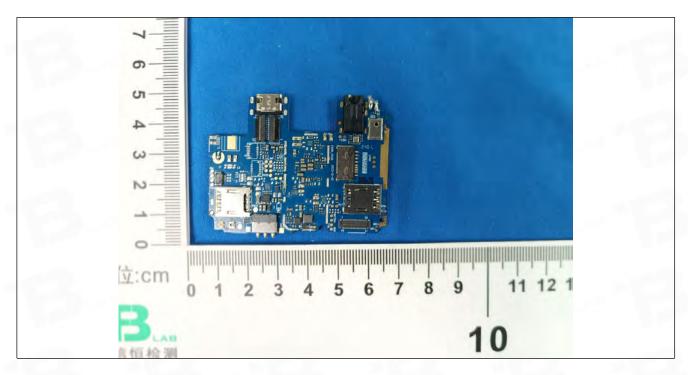


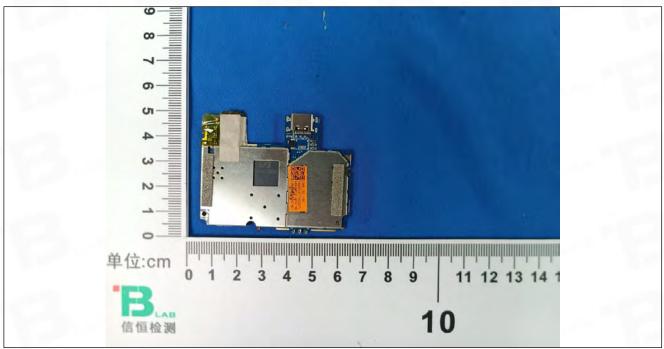


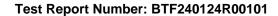




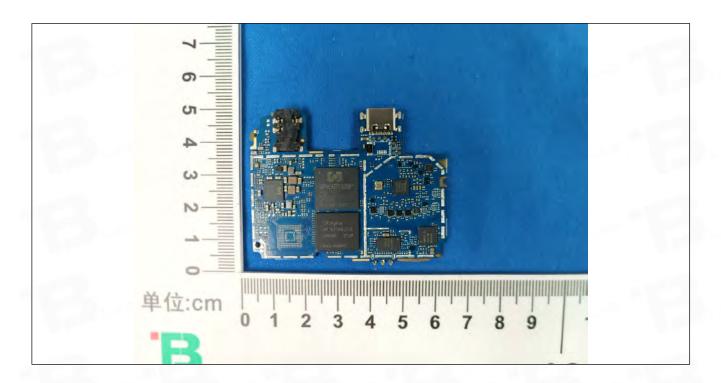








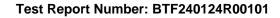








Appendix





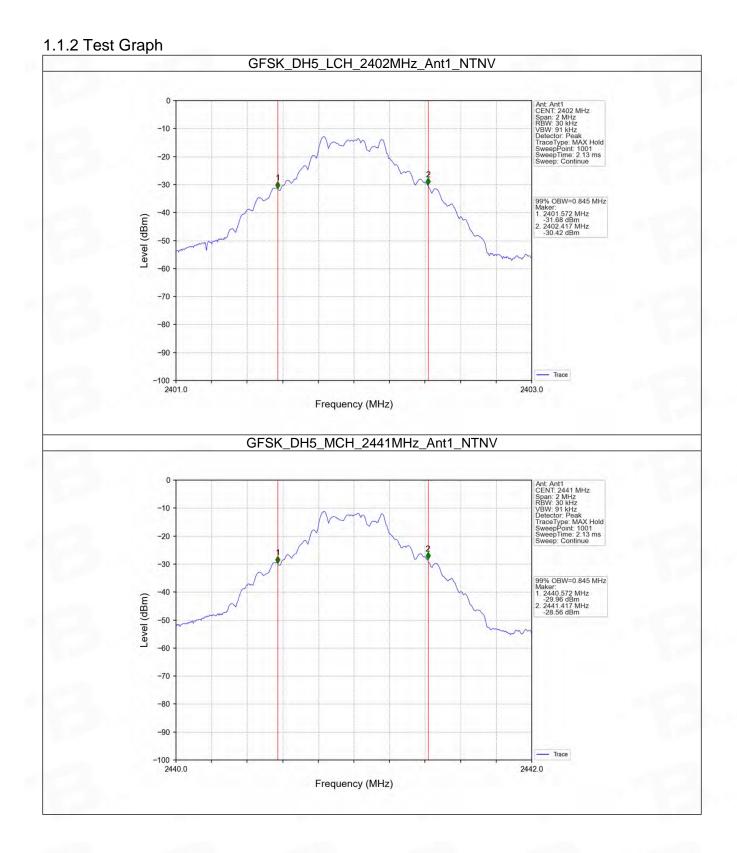
1. Bandwidth

1.1 OBW

Mode	TX	Frequency	Packet	ANT	99% Occupied E	Verdict	
	Type	(MHz)	Type	AINT	Result	Limit	verdict
	SISO	2402	DH5	1	0.845	/	Pass
GFSK		2441	DH5	1	0.845	/	Pass
		2480	DH5	1	0.845	/	Pass
	SISO	2402	2DH5	1	1.183	/	Pass
Pi/4DQPSK		2441	2DH5	1	1.182	/	Pass
		2480	2DH5	1	1.183	/	Pass
8DPSK	SISO	2402	3DH5	1	1.184	/	Pass
		2441	3DH5	1	1.184	/	Pass
		2480	3DH5	1	1.185	/	Pass

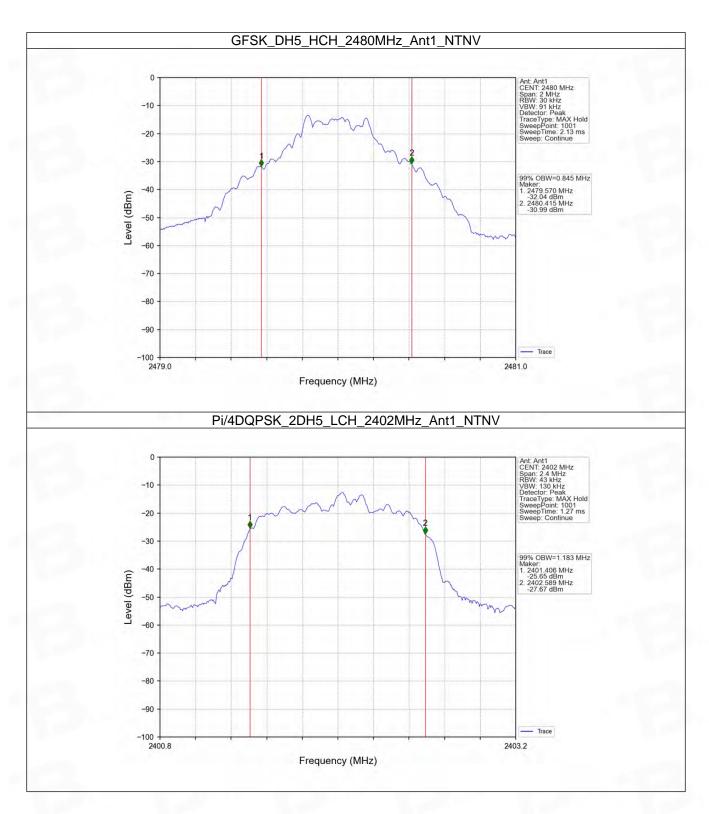






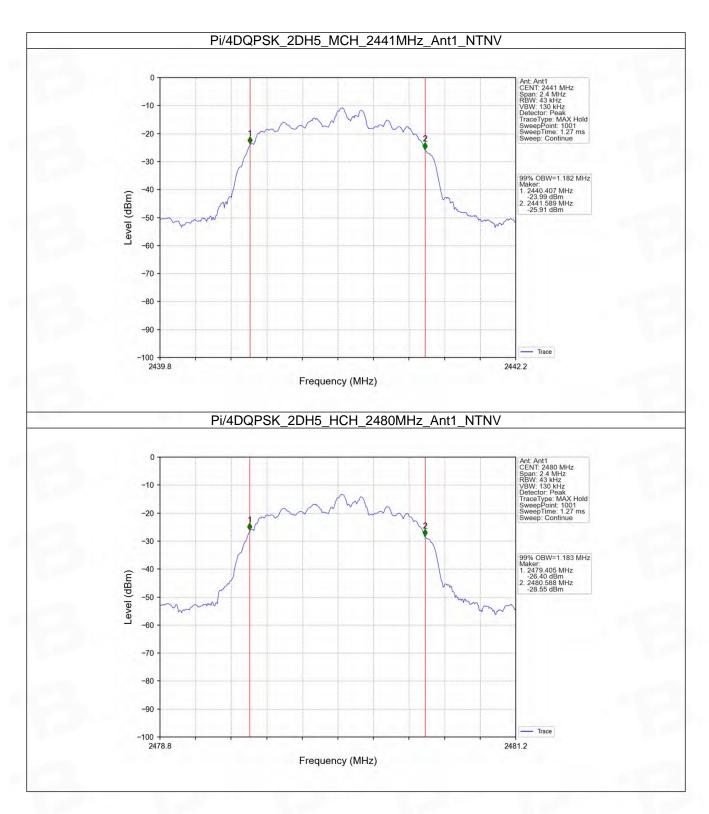






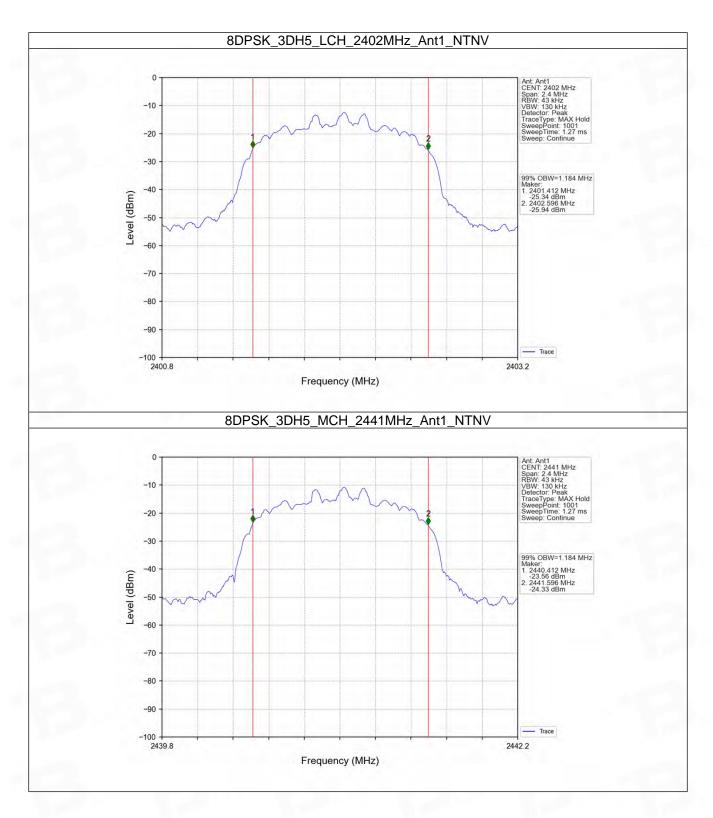


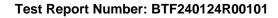




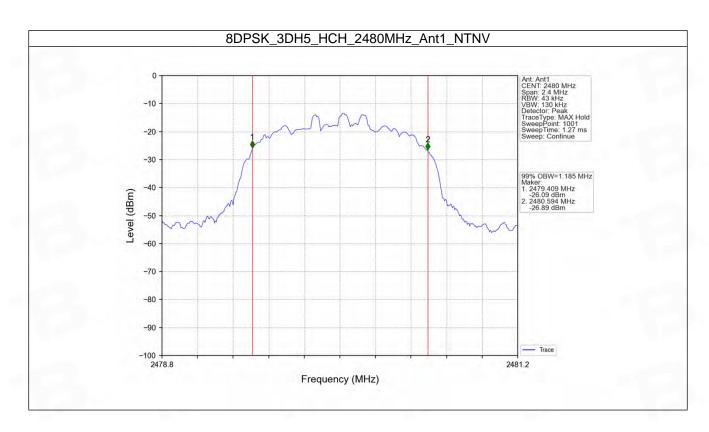


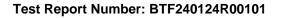












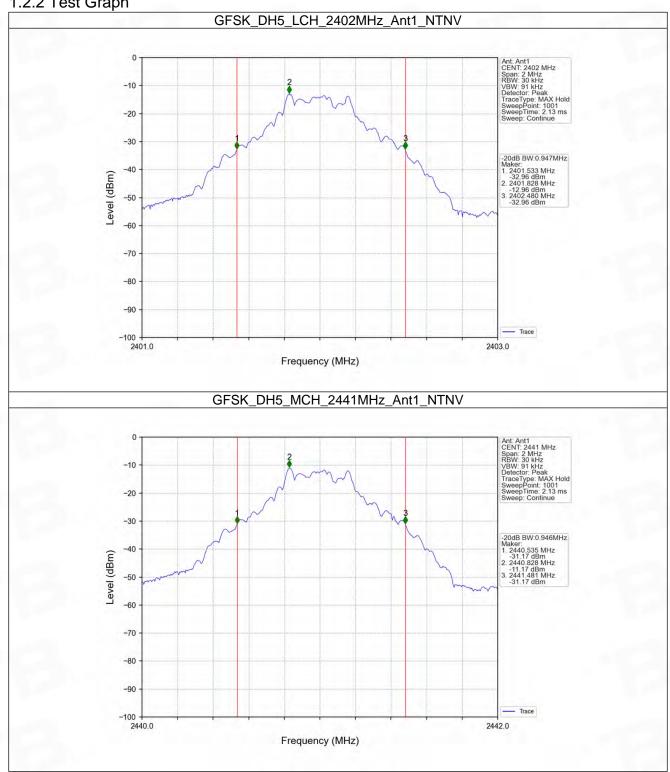


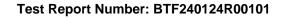
1.2 20dB BW

Mode	TX	Frequency	Packet	ANT	20dB Bandwidth (MHz)		Verdict	
iviode	Type	(MHz)	Type Air		Result	Limit	Verdict	
		2402	DH5	1	0.947	/	Pass	
GFSK	SISO	2441	DH5	1	0.946	/	Pass	
		2480	DH5	1	0.944	/	Pass	
	SISO	2402	2DH5	1	1.301	/	Pass	
Pi/4DQPSK		2441	2DH5	1	1.301	/	Pass	
		2480	2DH5	1	1.301	/	Pass	
8DPSK	SISO	2402	3DH5	1	1.315	/	Pass	
		2441	3DH5	1	1.316	/	Pass	
		2480	3DH5	1	1.314	/	Pass	

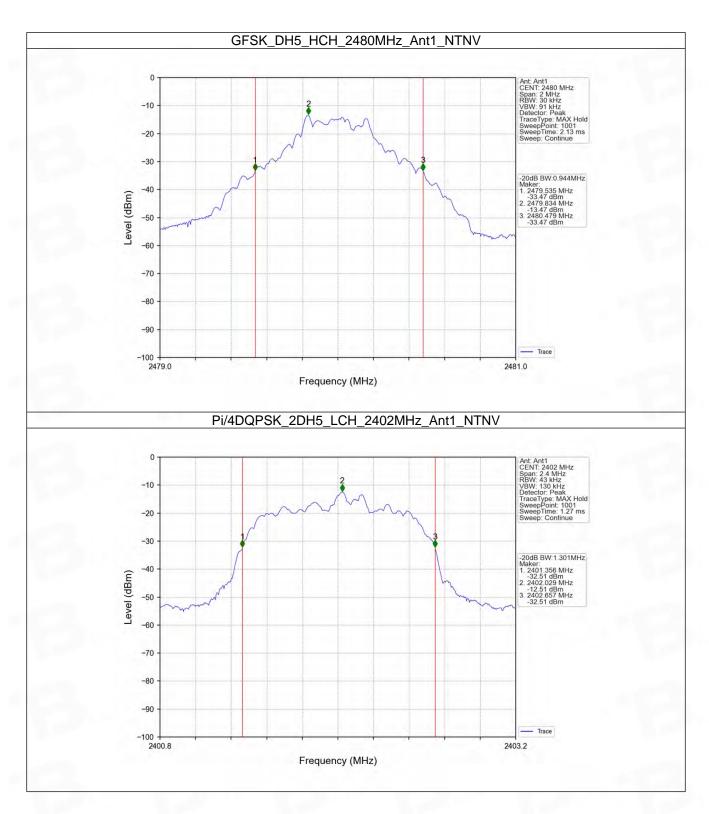






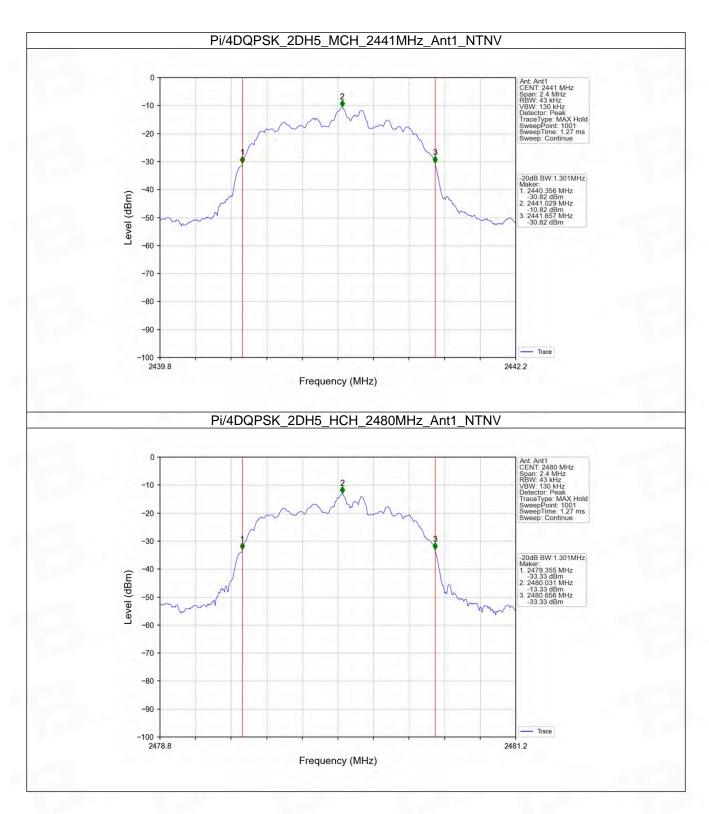


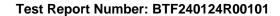




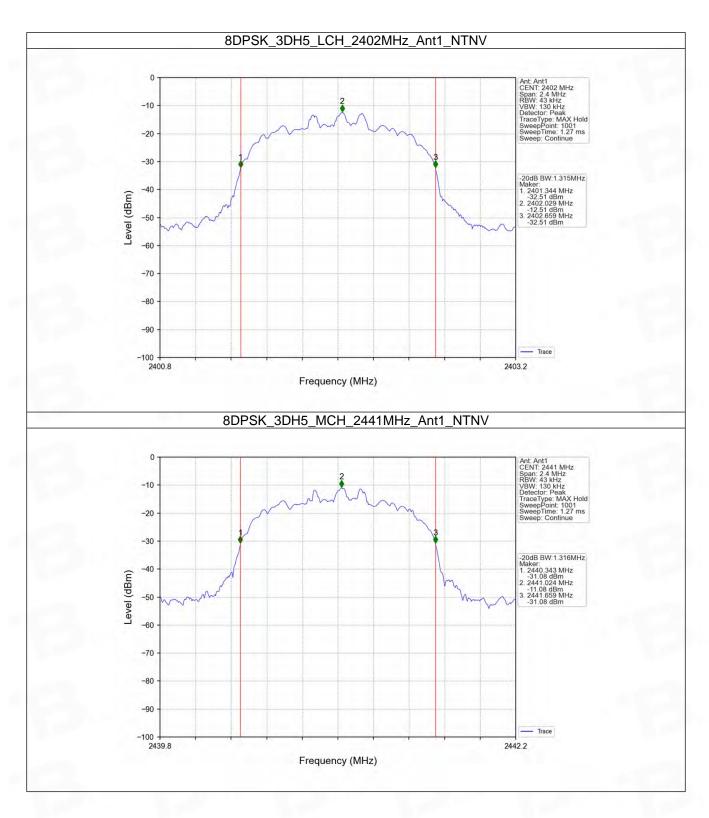


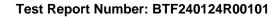




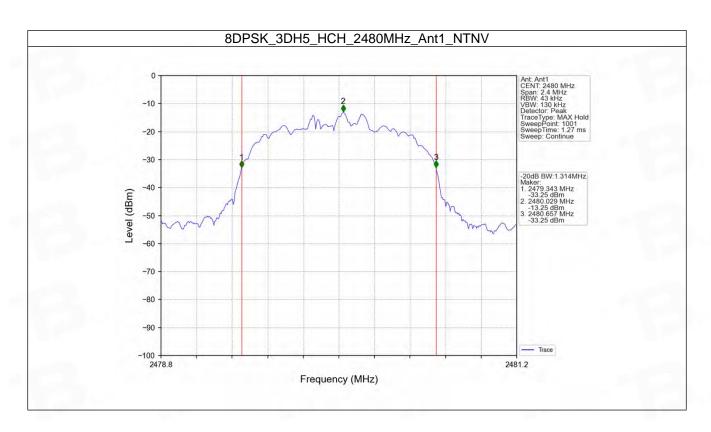


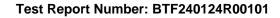










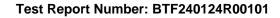




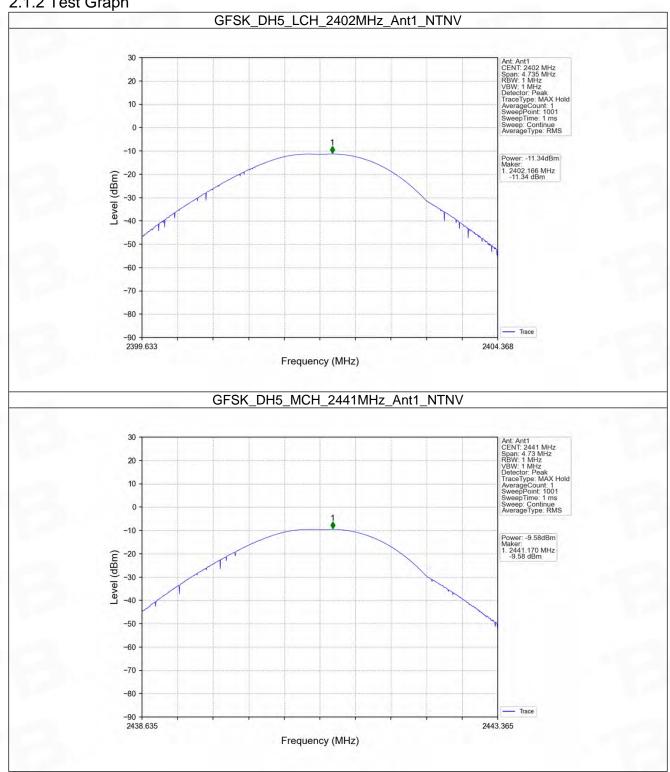
2. Maximum Conducted Output Power

2.1 Power

Mode	TX Type	Frequency	Packet Type	Maximum Peak Cond (dE	Verdict		
		(MHz)		ANT1	Limit		
		2402	DH5	-11.34	<=30	Pass	
GFSK	SISO	2441	DH5	-9.58	<=30	Pass	
		2480	DH5	-12.01	<=30	Pass	
	SISO	2402	2DH5	-9.11	<=20.97	Pass	
Pi/4DQPSK		SISO	2441	2DH5	-7.34	<=20.97	Pass
		2480	2DH5	-9.72	<=20.97	Pass	
	SISO		2402	3DH5	-8.67	<=20.97	Pass
8DPSK		2441	3DH5	-6.95	<=20.97	Pass	
		2480	3DH5	-9.29	<=20.97	Pass	
Note1: Antenn	na Gain: A	nt1: 0.19dBi;					

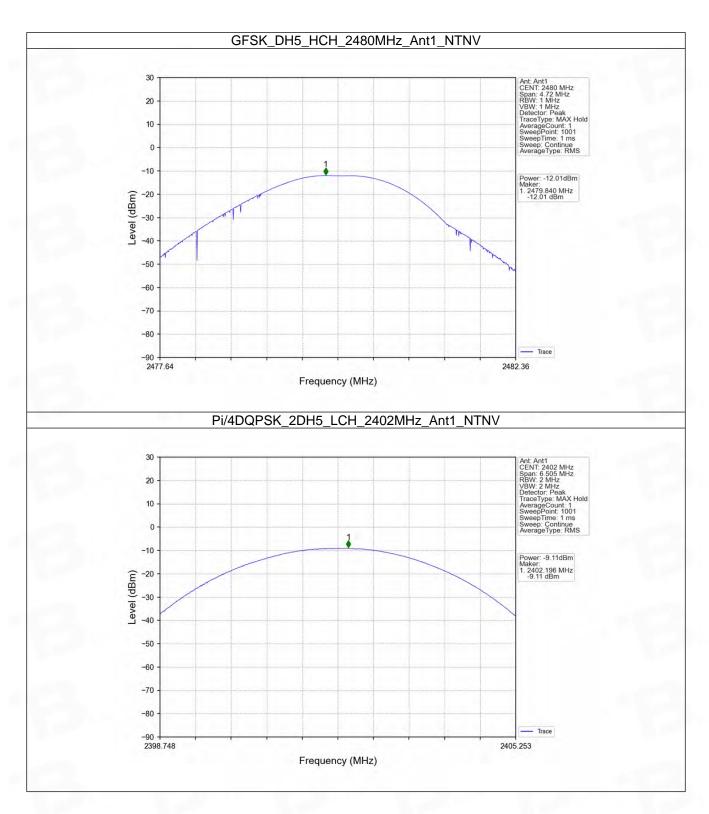


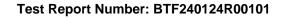




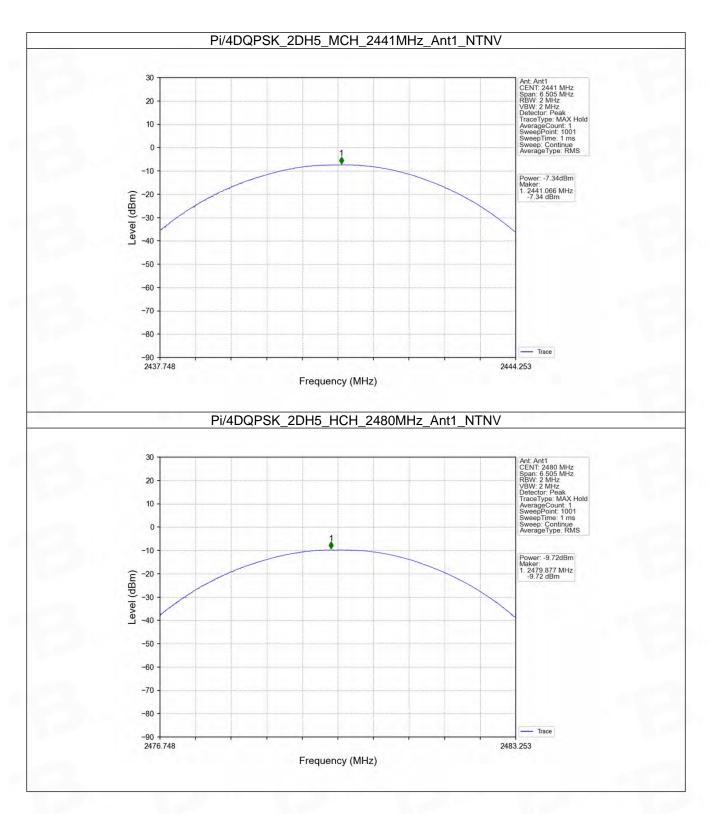






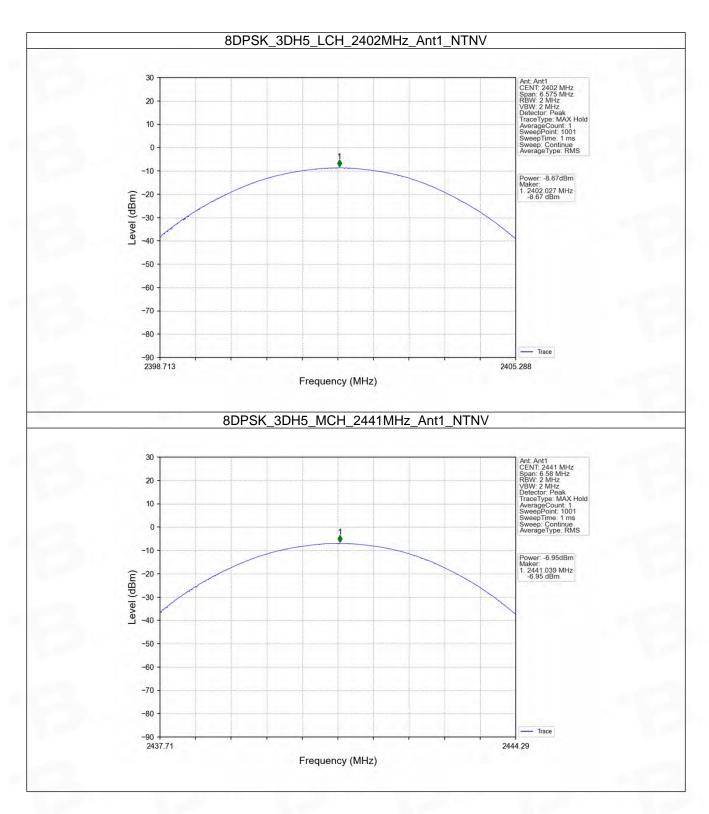






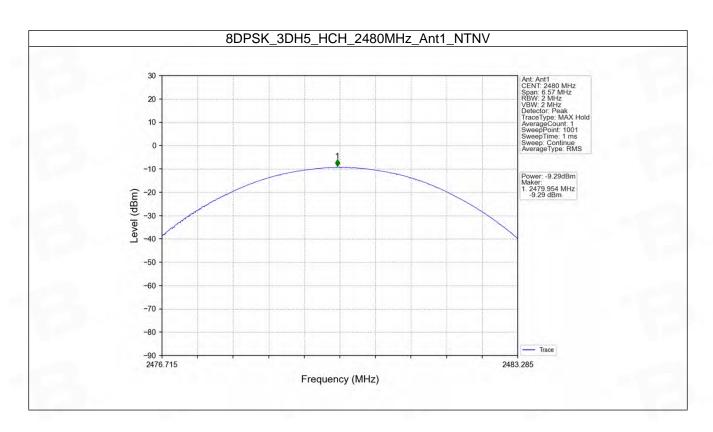


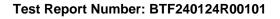










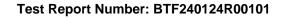




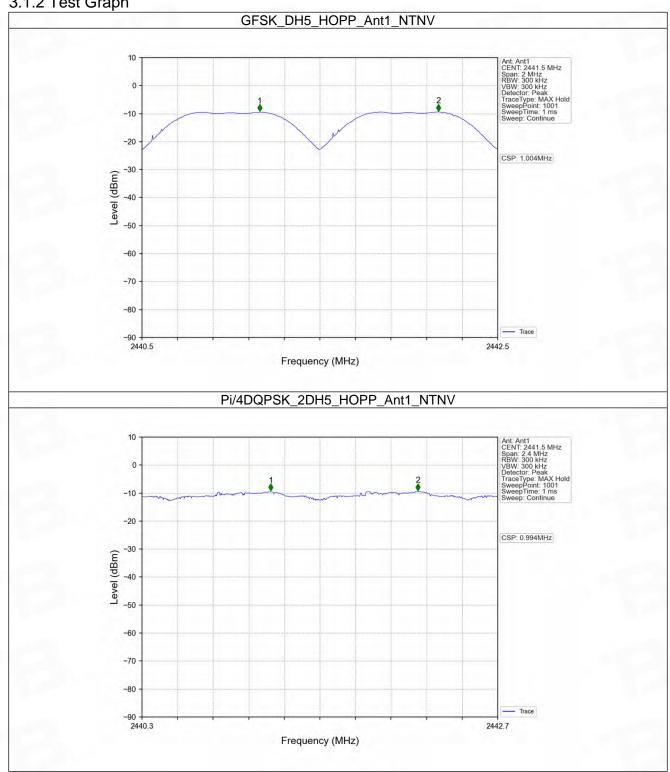
3. Carrier Frequency Separation

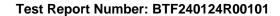
3.1 Ant1

Ant1									
Mode	TX	Frequency	Packet	Channel Separation	20dB Bandwidth	Limit	Verdict		
	Type	(MHz)	Type	(MHz)	(MHz)	(MHz)			
GFSK	SISO	HOPP	DH5	1.004	0.947	>=0.947	Pass		
Pi/4DQPSK	SISO	HOPP	2DH5	0.994	1.301	>=0.867	Pass		
8DPSK	SISO	HOPP	3DH5	0.989	1.316	>=0.877	Pass		

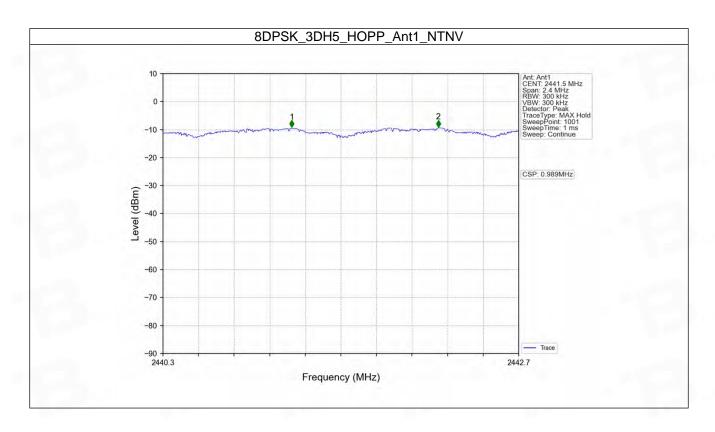


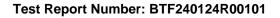










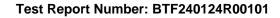




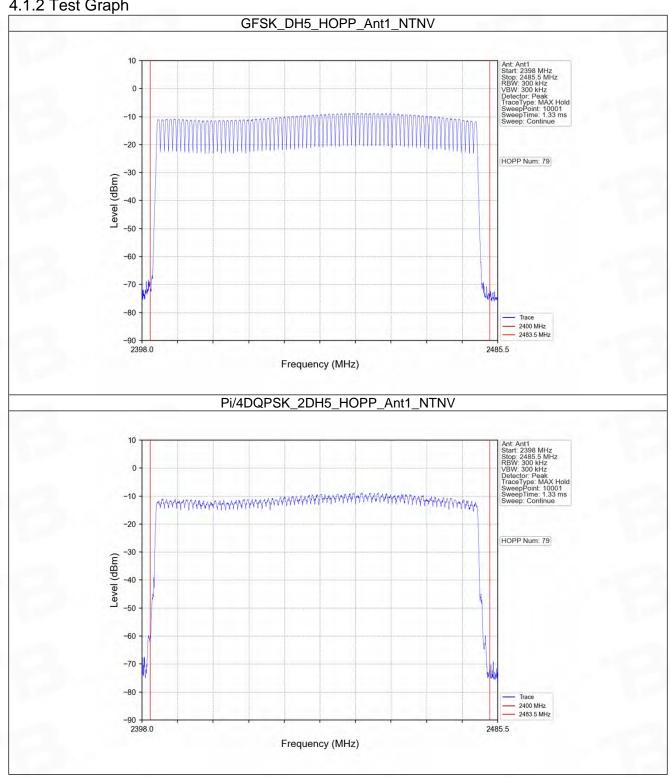
4. Number of Hopping Frequencies

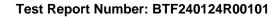
4.1 HoppNum

Mode	TX	Frequency	Packet	Num of Hoppir	g Frequencies	Verdict	
	Type	(MHz)	Type	ANT1	Limit		
GFSK	SISO	HOPP	DH5	79	>=15	Pass	
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass	
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass	

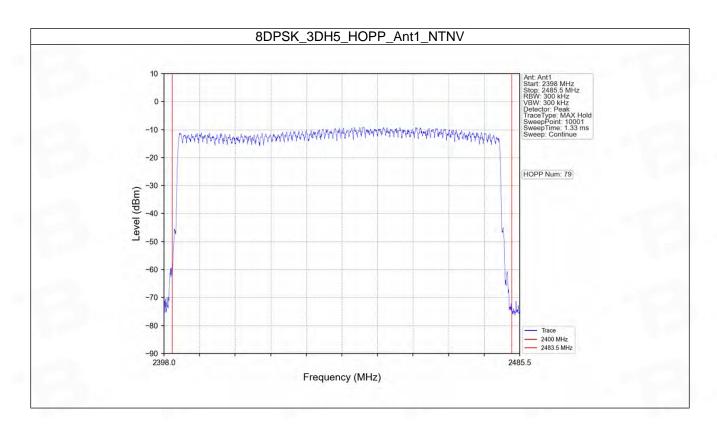


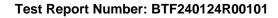














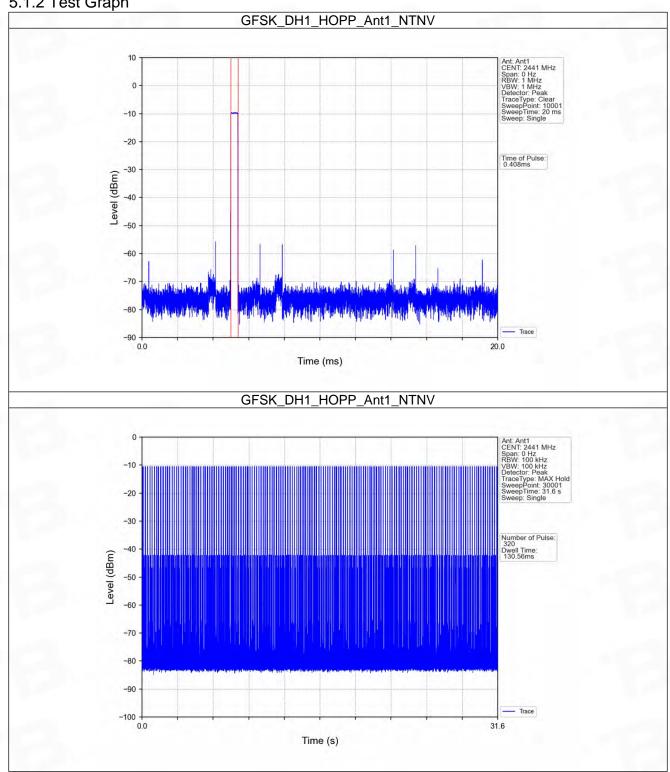
5. Time of Occupancy (Dwell Time)

5.1 Ant1

Ant1										
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict	
		SISO HOPP	DH1	0.408	31.600	320	130.560	<=400	Pass	
GFSK S	SISO		DH3	1.650	31.600	163	268.950	<=400	Pass	
			DH5	2.912	31.600	110	320.320	<=400	Pass	
		60 НОРР	2DH1	0.388	31.600	320	124.160	<=400	Pass	
Pi/4DQPSK	SISO		2DH3	1.640	31.600	156	255.840	<=400	Pass	
			2DH5	2.902	31.600	121	351.142	<=400	Pass	
8DPSK		ISO HOPP	3DH1	0.388	31.600	320	124.160	<=400	Pass	
	SISO		3DH3	1.650	31.600	164	270.600	<=400	Pass	
			3DH5	2.886	31.600	95	274.170	<=400	Pass	

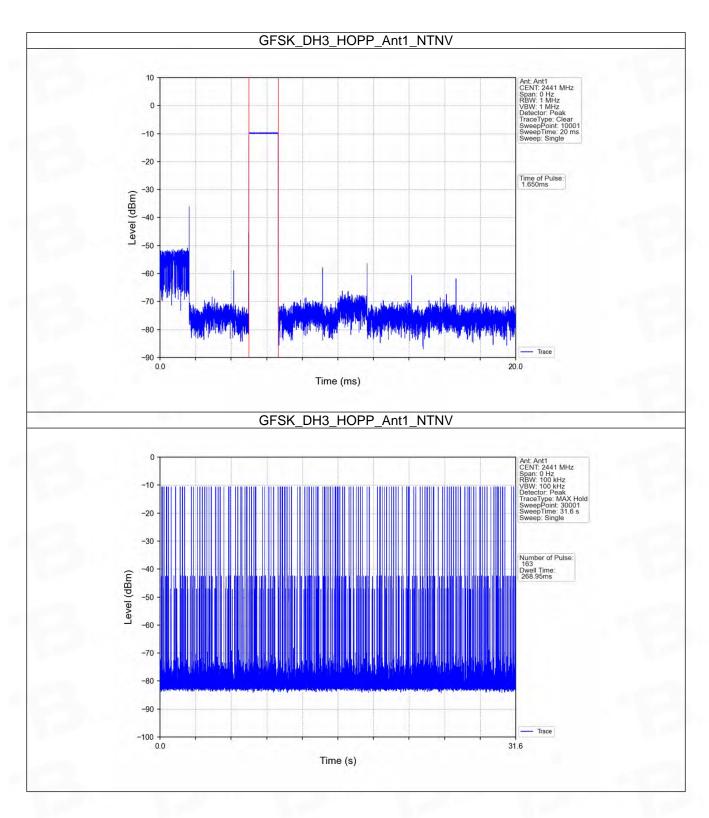


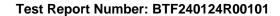




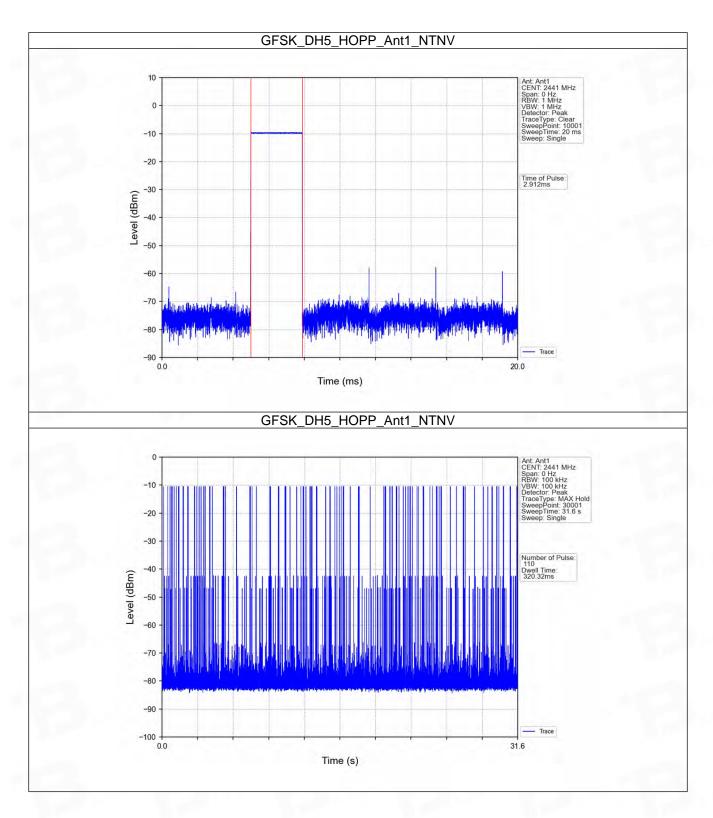






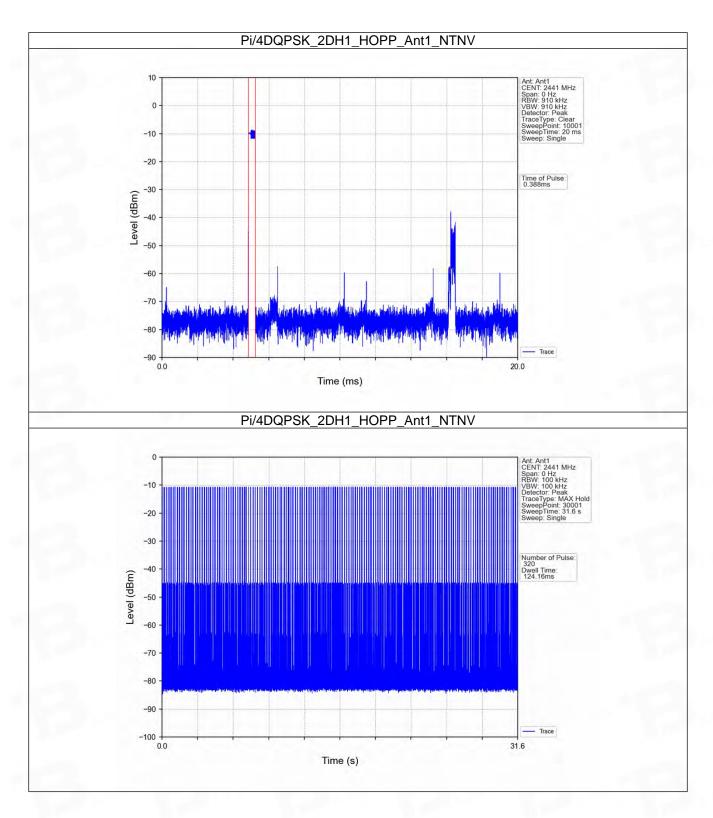




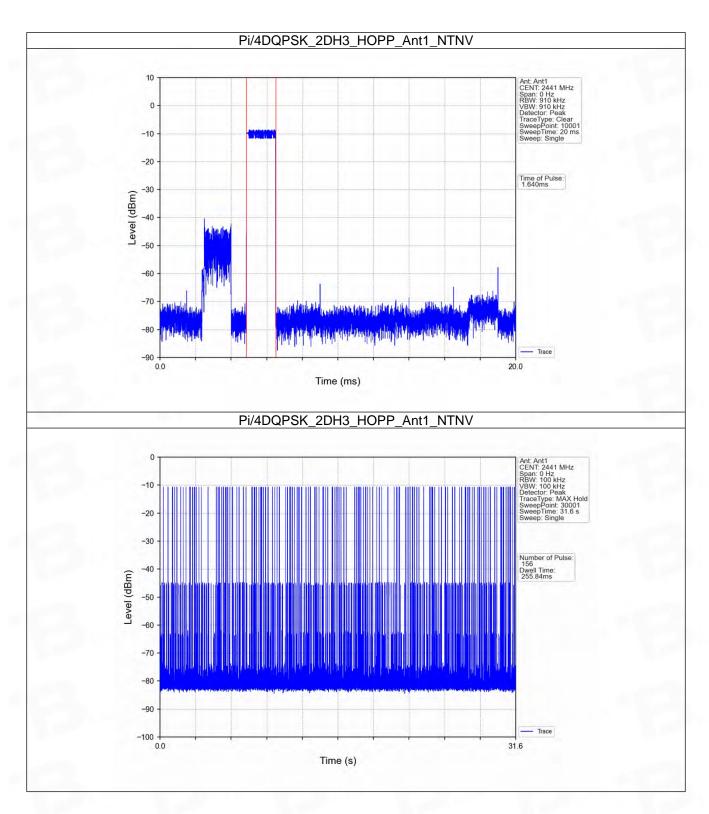


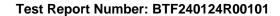




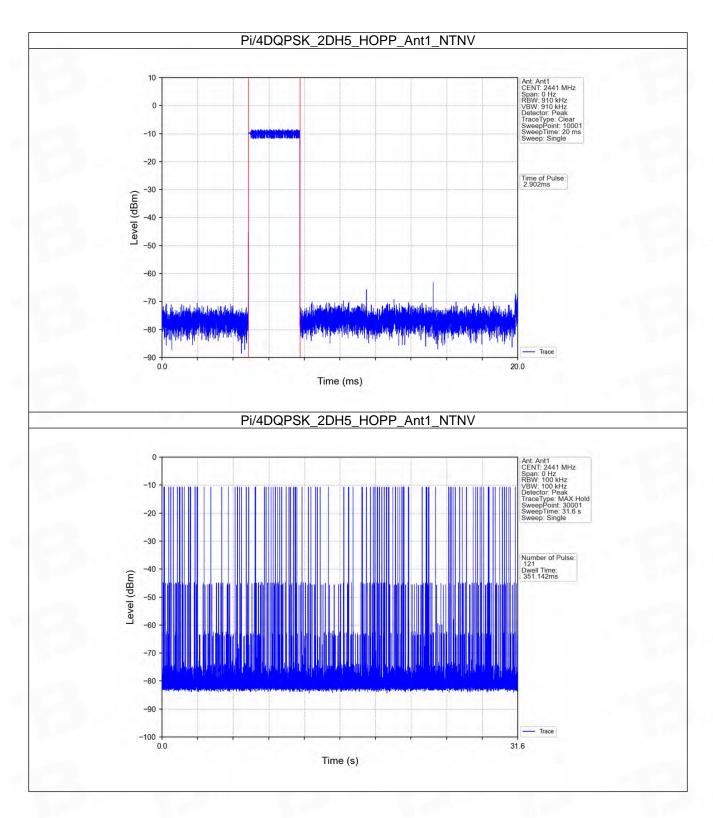




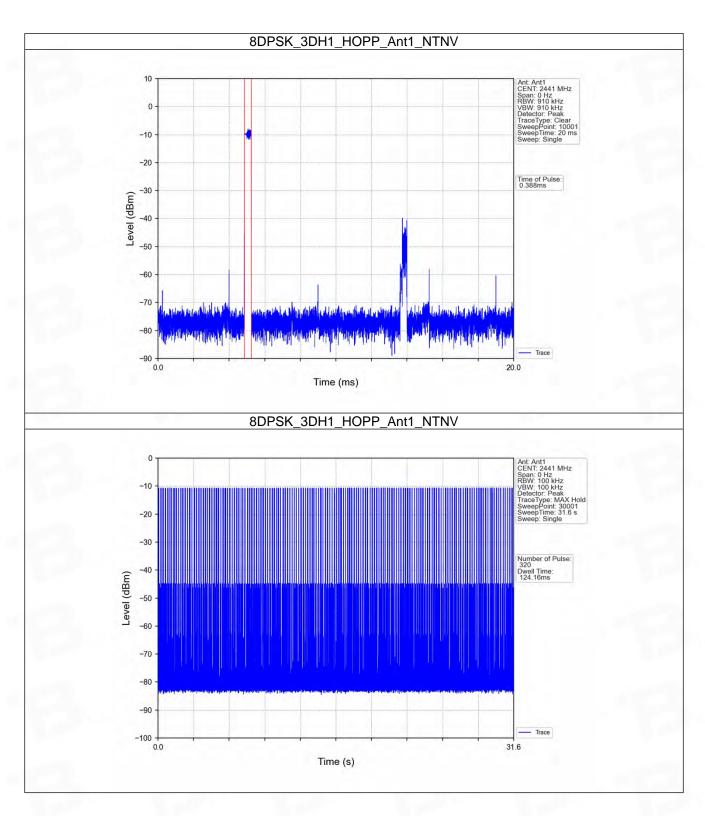


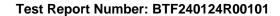




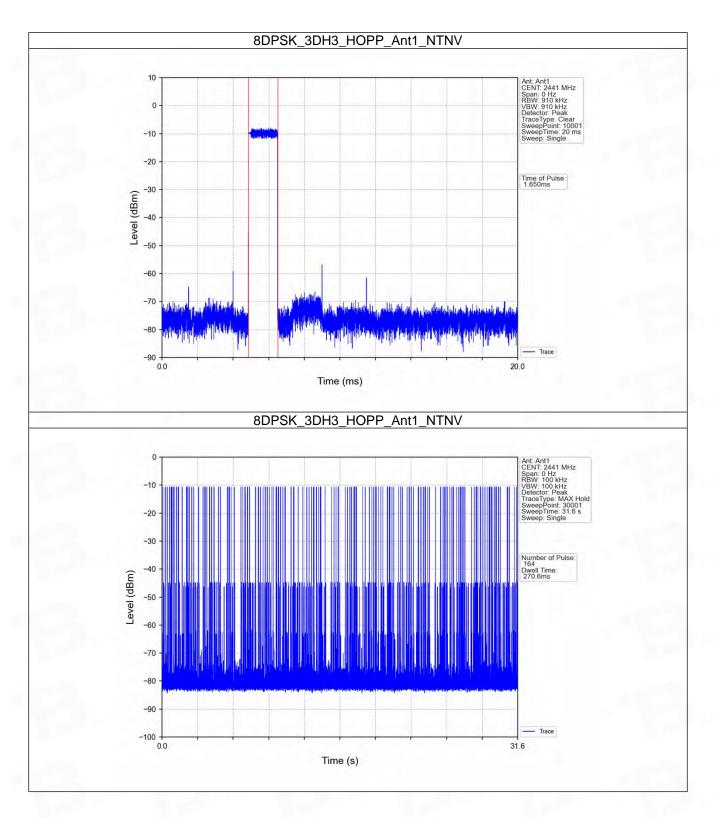


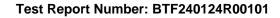




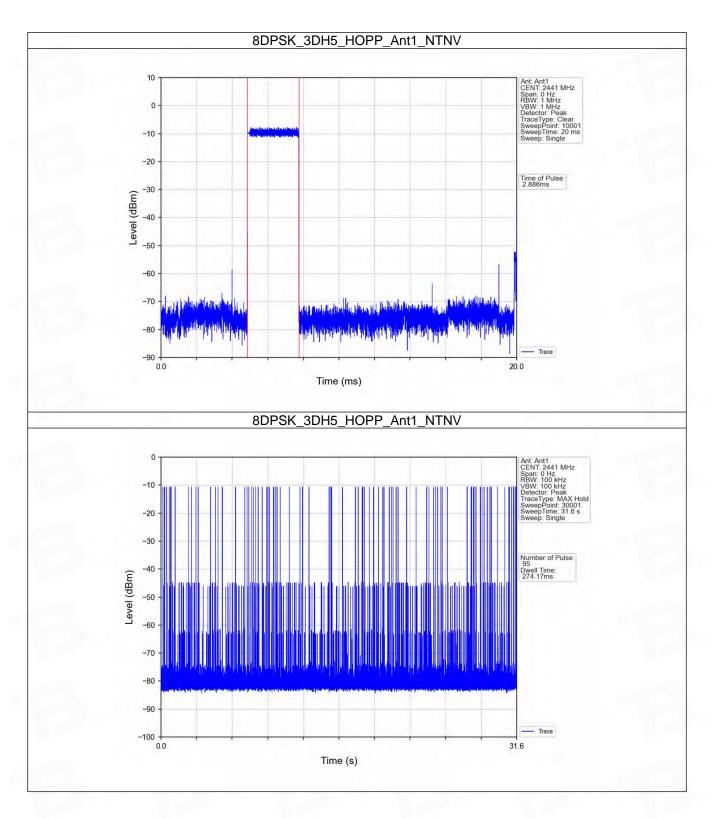


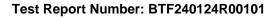














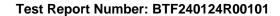
6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

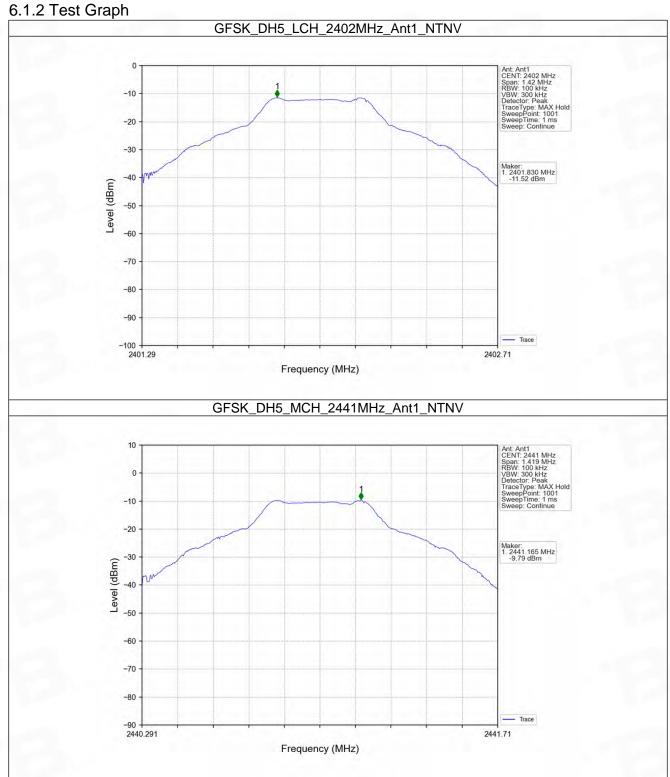
6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	
		2402	DH5	1	-11.52	
GFSK	SISO	2441	DH5	1	-9.79	
		2480	DH5	1	-12.16	
Pi/4DQPSK	SISO	2402	2DH5	1	-11.56	
		2441	2DH5	1	-9.89	
		2480	2DH5	1	-12.35	
8DPSK		2402	3DH5	1	-11.45	
	SISO	2441	3DH5	1	-9.77	
		2480	3DH5	1	-12.16	

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

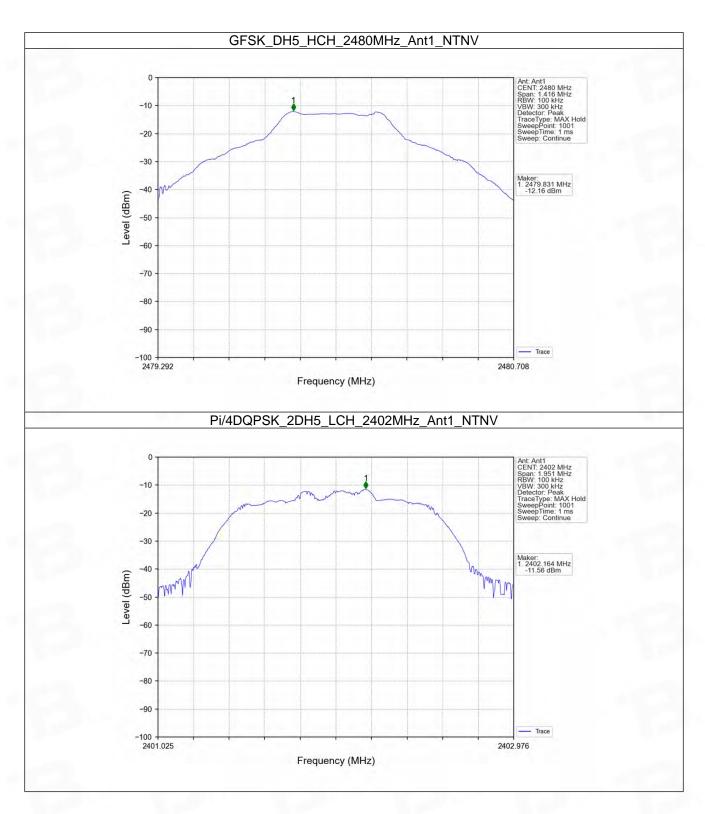






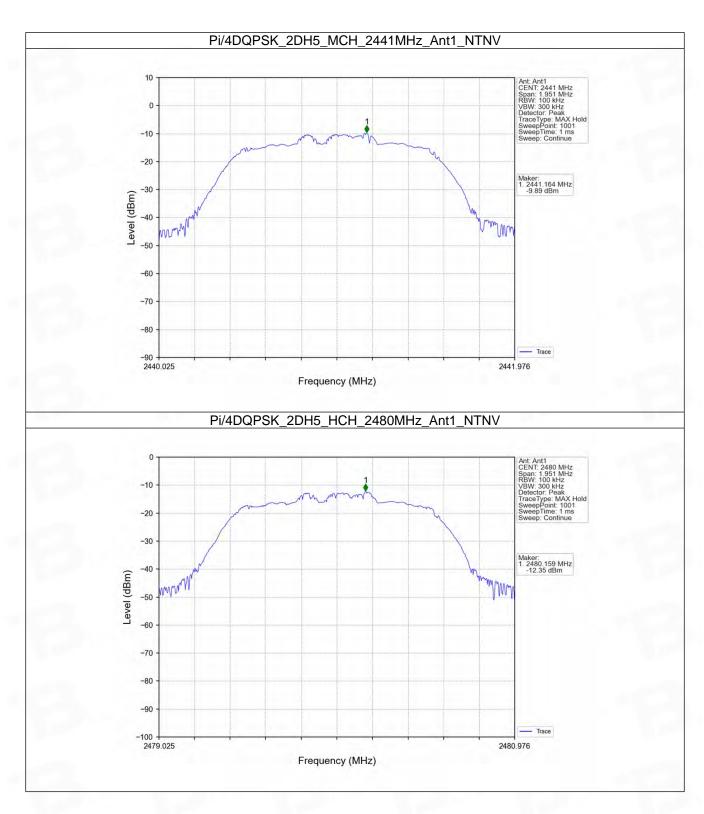


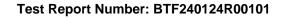




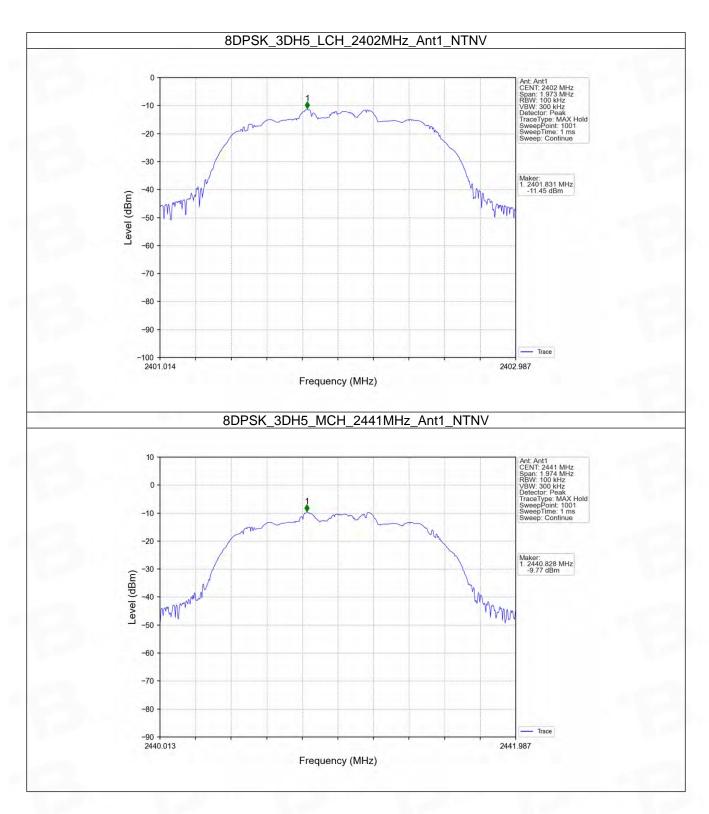


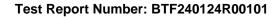






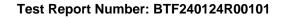














6.2 CSE

6.2.1 Test Result

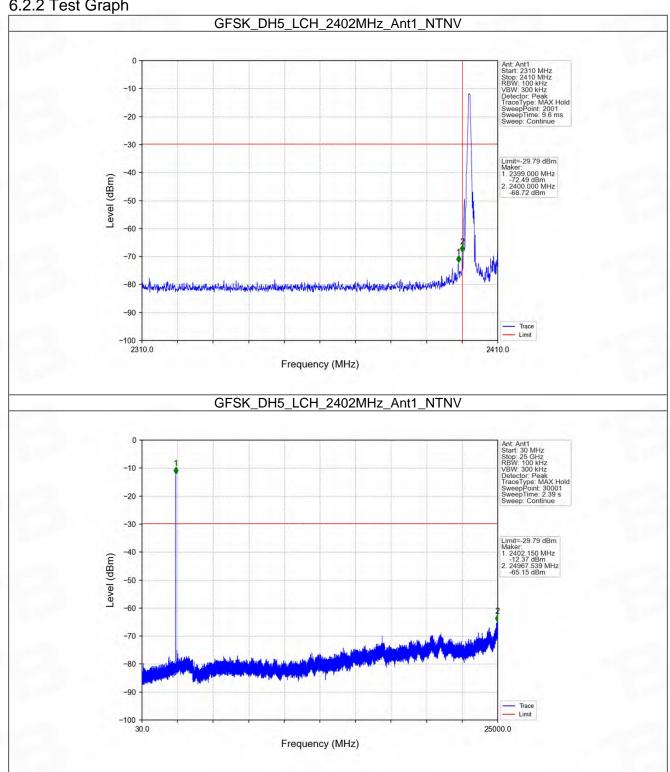
Mode	TX	Frequency	Packet		Level of Reference	Limit	Vardiat
	Type	(MHz)	Type	ANT	(dBm)	(dBm)	Verdict
GFSK	SISO	2402	DH5	1	-9.79	-29.79	Pass
		2441	DH5	1	-9.79	-29.79	Pass
		2480	DH5	1	-9.79	-29.79	Pass
		HOPP	DH5	1	-9.79	-29.79	Pass
					-9.79	-29.79	Pass
	SISO	2402	2DH5	1	-9.89	-29.89	Pass
Pi/4DQPSK		2441	2DH5	1	-9.89	-29.89	Pass
		2480	2DH5	1	-9.89	-29.89	Pass
		HOPP	2DH5	1	-9.89	-29.89	Pass
					-9.89	-29.89	Pass
8DPSK	SISO	2402	3DH5	1	-9.77	-29.77	Pass
		2441	3DH5	1	-9.77	-29.77	Pass
		2480	3DH5	1	-9.77	-29.77	Pass
		НОРР	3DH5	1	-9.77	-29.77	Pass
					-9.77	-29.77	Pass

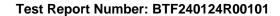
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



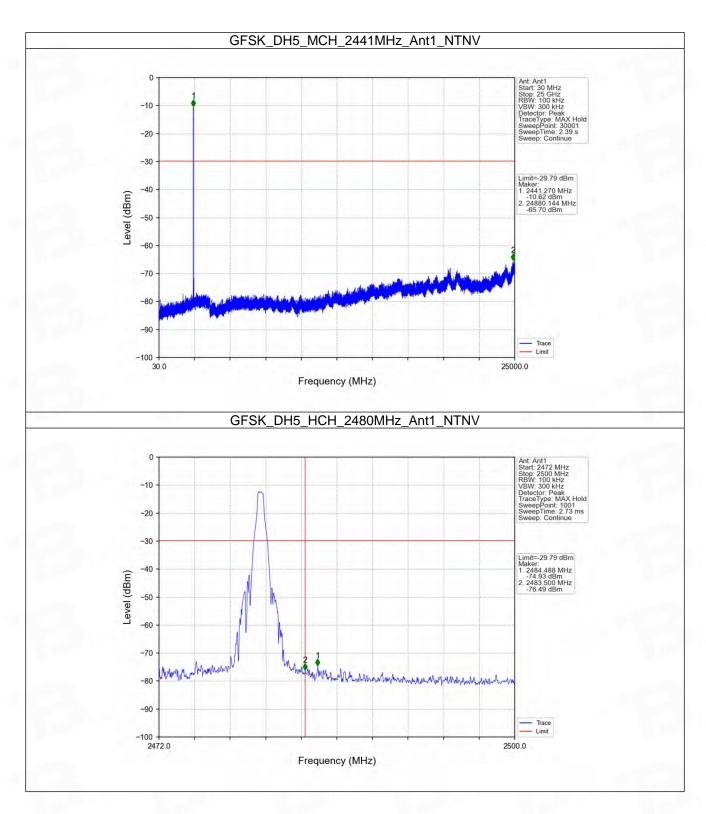


6.2.2 Test Graph



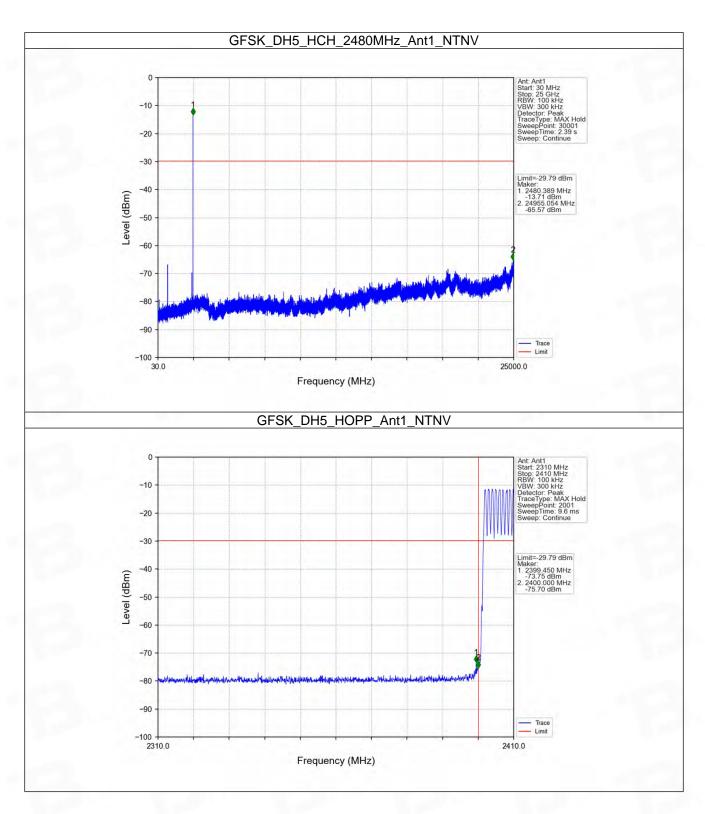


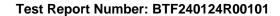




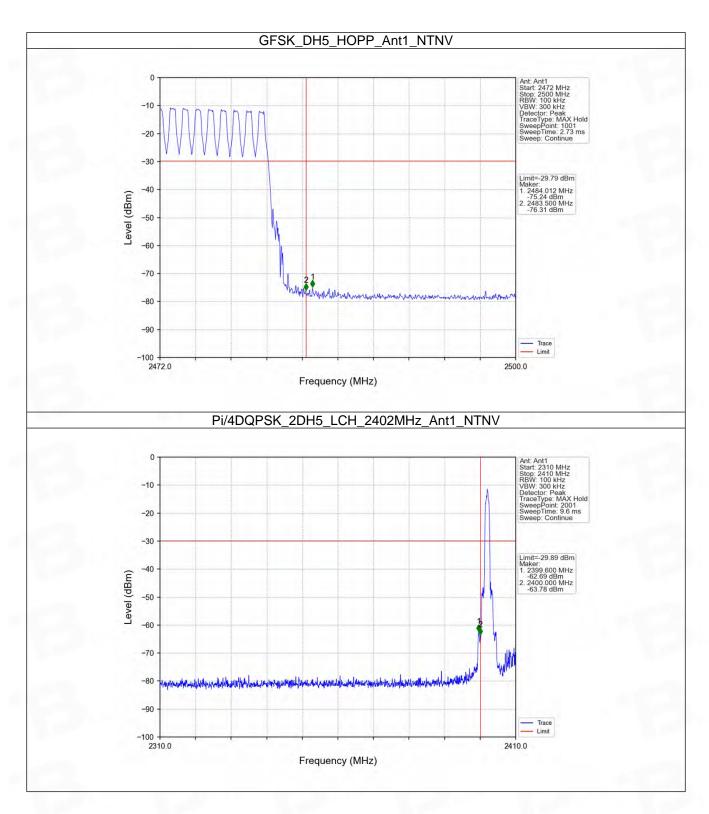






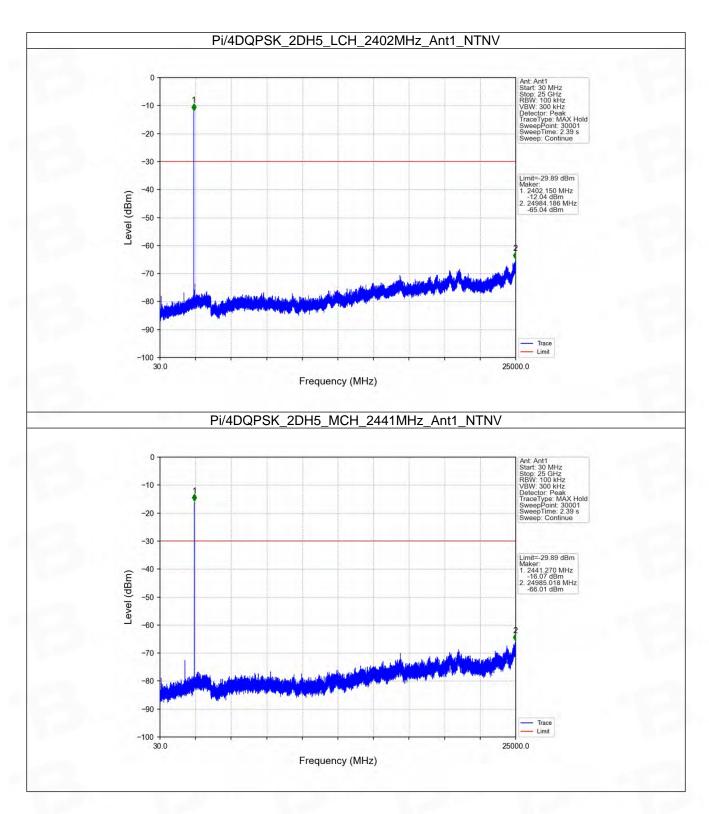






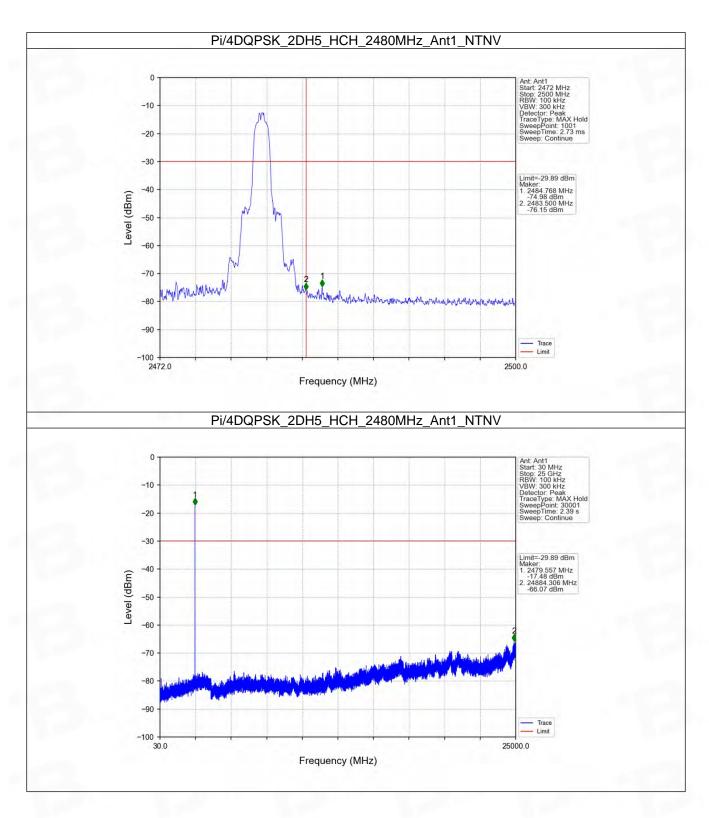






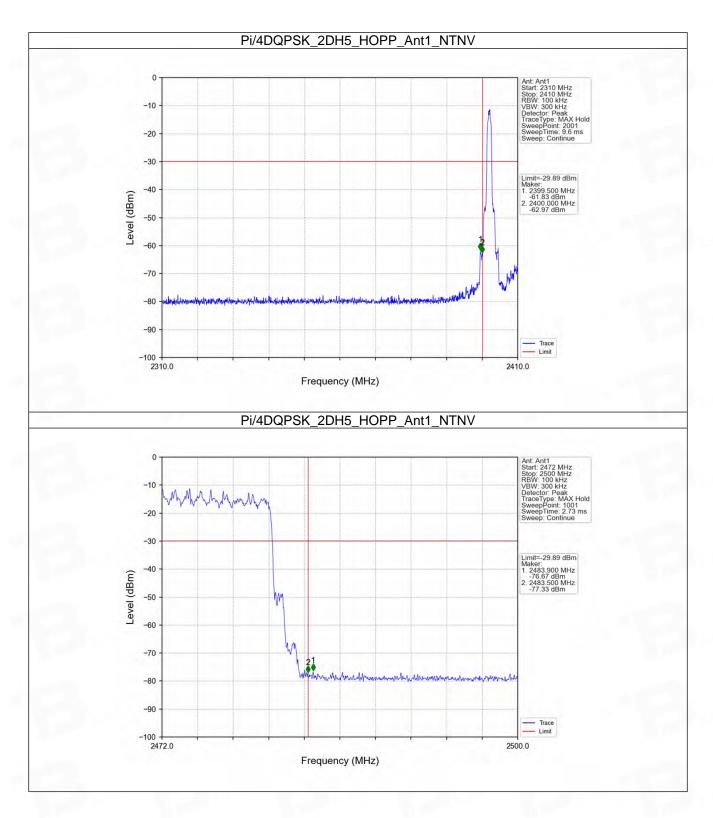


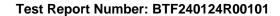




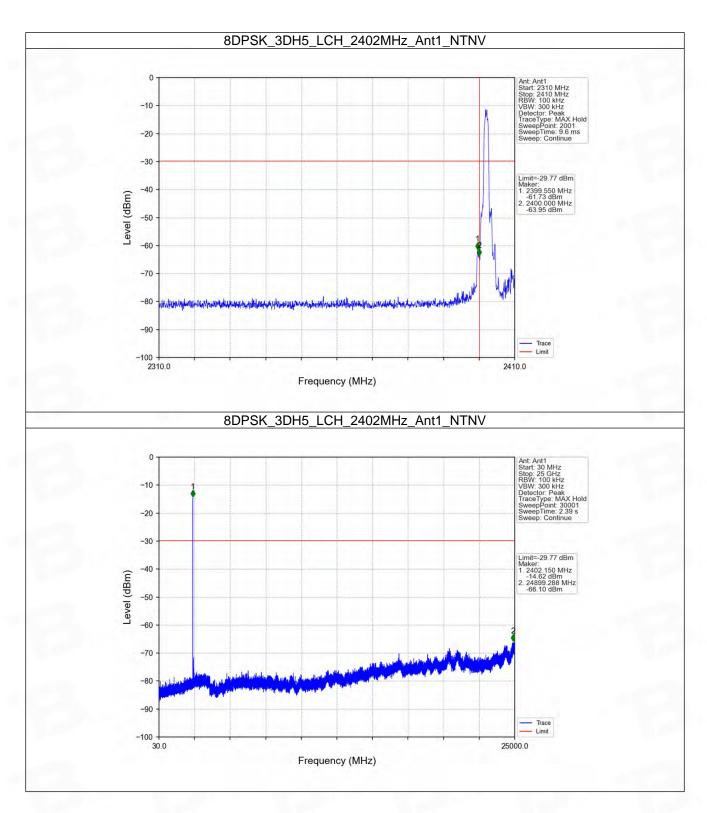






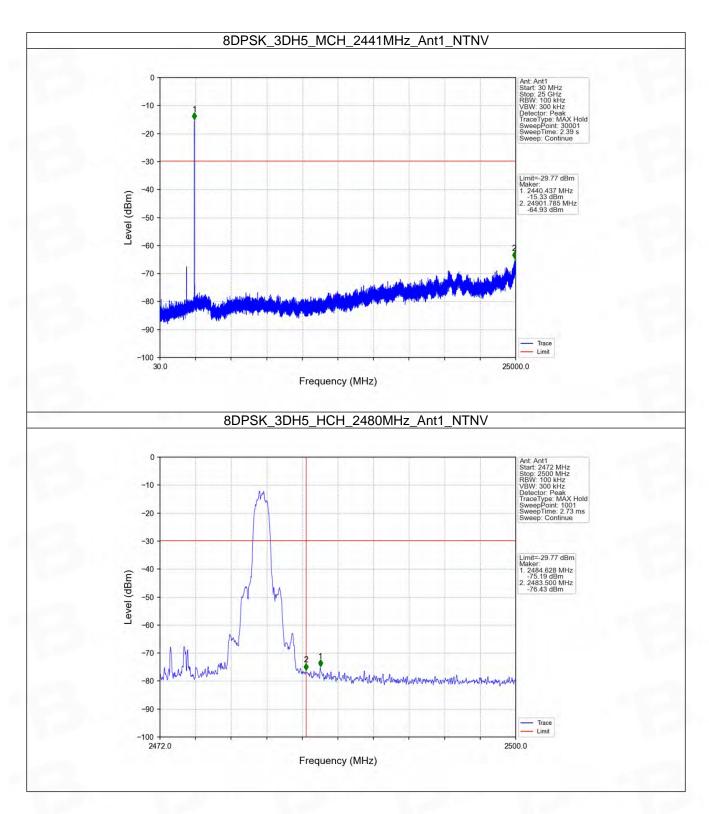


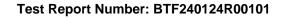




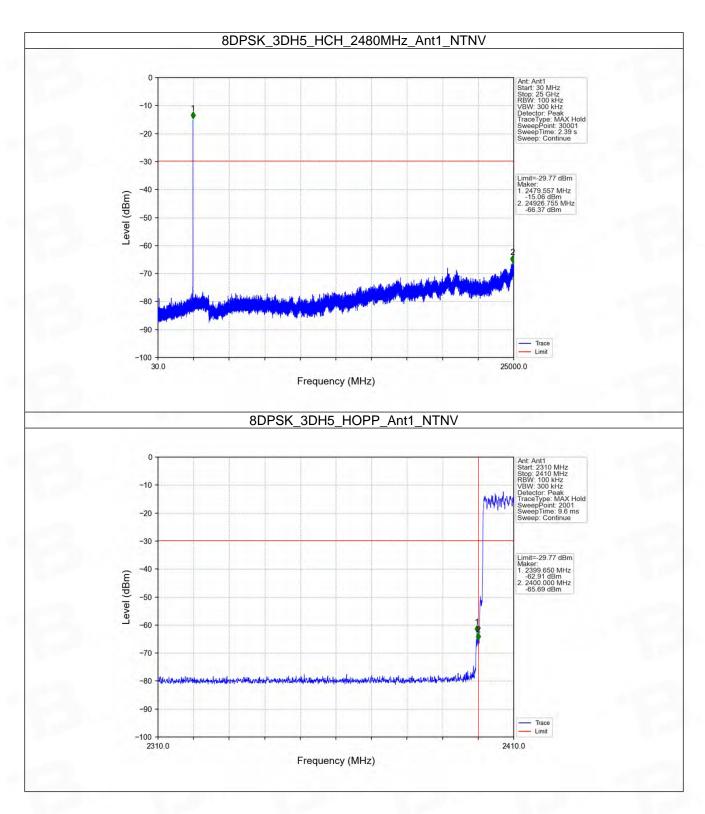


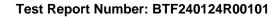




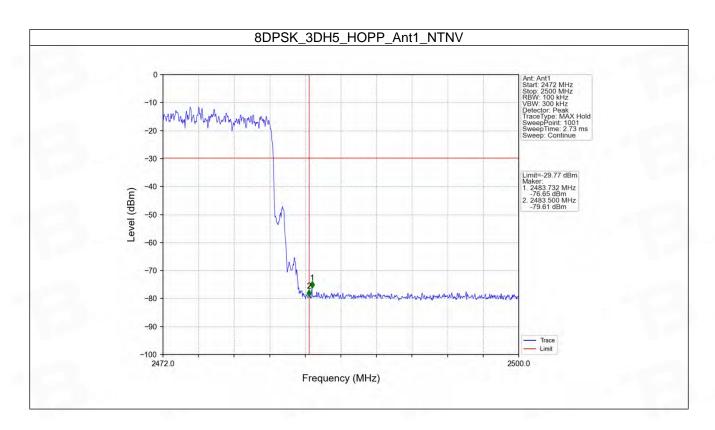


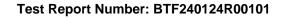












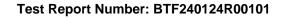


7. Form731

7.1 Form731

7.1.1 Test Result

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ſ	Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)	
	2402	2480	0.0002	-6.95	







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-- END OF REPORT --