

RF Test Report

For

Applicant Name: SHENZHEN TORRAS TECHNOLOGY CO., LTD.

Address: RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi

ST, Longhua DIST, Shenzhen, China

EUT Name: Wearable Air Conditioner

Brand Name: TORRAS Model Number: FG6

Issued By

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

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

Address: Tantou Coi China

Report Number: BTF230328R01301 Test Standards: 47 CFR Part 15.247

Test Conclusion: Pass

FCC ID: 2AN4Y-FG6

Test Date: 2023-03-28 to 2023-03-31

Date of Issue: 2023-03-31

Prepared By:

Chris Liu /

Date:

2023-03-

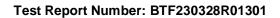
Approved By:

Ryan.CJ / EMC Manager

Date: 2023-03-31

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roject Engineer



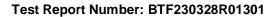


Issue Date	Revisions Content	
2023-03-31	Original	
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Table of Contents

1	INTR	ODUCTION	5
	1.1	Identification of Testing Laboratory	5
	1.2	Identification of the Responsible Testing Location	5
	1.3	Announcement	
2	PRO	DUCT INFORMATION	6
	2.1	Application Information	6
	2.2	Manufacturer Information	
	2.3	Factory Information	
	2.4	General Description of Equipment under Test (EUT)	
	2.5	Technical Information	
3	SUM	MARY OF TEST RESULTS	7
	3.1	Test Standards	7
	3.2	Uncertainty of Test	
	3.3	Summary of Test Result	7
4	TEST	CONFIGURATION	8
	4.1	Test Equipment List	8
	4.2	Test Auxiliary Equipment	
	4.3	Test Modes	. 12
5	EVAL	.UATION RESULTS (EVALUATION)	. 13
	5.1	Antenna requirement	. 13
		5.1.1 Conclusion:	. 13
6	RAD	O SPECTRUM MATTER TEST RESULTS (RF)	. 14
	6.1	Conducted Emission at AC power line	
	0.1	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:	. 17
		6.2.2 Test Setup Diagram:	
		6.2.3 Test Data:	. 17
	6.3	Maximum Conducted Output Power	. 18
		6.3.1 E.U.T. Operation:	
		6.3.2 Test Setup Diagram:	
		6.3.3 Test Data:	
	6.4	Power Spectral Density	
		6.4.1 E.U.T. Operation:	
		6.4.2 Test Setup Diagram:	
	C E	6.4.3 Test Data: Emissions in non-restricted frequency bands	
	6.5	·	
		6.5.1 E.U.T. Operation: 6.5.2 Test Setup Diagram: 6.5.2 Test Diagram: 6.5.2	
		6.5.3 Test Data:	
	6.6	Band edge emissions (Radiated)	
	5.0	6.6.1 E.U.T. Operation:	
		6.6.2 Test Data:	
	6.7	Emissions in restricted frequency bands (below 1GHz)	
		6.7.1 E.U.T. Operation:	





	6.7.2 Test Data:	27
6.8	Emissions in restricted frequency bands (above 1GHz)	29
	6.8.1 E.U.T. Operation:	29
	6.8.2 Test Data:	30
7 TES	ST SETUP PHOTOS	33
8 EU1	CONSTRUCTIONAL DETAILS (EUT PHOTOS)	35
	X	



Test Report Number: BTF230328R01301

1 Introduction

1.1 Identification of Testing Laboratory

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.	
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou 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.



Test Report Number: BTF230328R01301

Product Information

Application Information 2.1

Company Name:	SHENZHEN TORRAS TECHNOLOGY CO., LTD.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.2 Manufacturer Information

Company Name: SHENZHEN TORRAS TECHNOLOGY CO., LTD.	
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

Factory Information

Company Name:		SHENZHEN TORRAS TECHNOLOGY CO., LTD.
	Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST,
	Addicss.	Longhua DIST, Shenzhen, China

General Description of Equipment under Test (EUT)

EUT Name:	Wearable Air Conditioner
Test Model Number:	FG6

Technical Information 2.5

Power Supply:	DC 5V From Adaptor
Operation Frequency:	2402MHz to 2480MHz
Number of Channels:	40
Modulation Type:	GFSK
Antenna Type:	PCB ANT
Antenna Gain:	2.56dBi



Test Report Number: BTF230328R01301

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

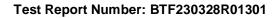
3.2 Uncertainty of Test

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

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	Part 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 15.247(a)(2)	Pass
Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(3)	Pass
Power Spectral Density	47 CFR Part 15.247	47 CFR 15.247(e)	Pass
Emissions in non-restricted frequency bands	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Emissions in restricted frequency bands (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Emissions in restricted frequency bands (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass





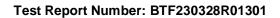
Test Configuration

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	2022-11-24	2023-11-23
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2022-11-24	2023-11-23
V-LISN	SCHWARZBECK	NSLK 8127	01073	2022-11-24	2023-11-23
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22
EMI Receiver	ROHDE&SCHWA RZ	ESCI3	101422	2022-11-24	2023-11-23

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

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

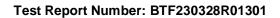




Power Spectral Density					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTest software	1	V1.00	/	1	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A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

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

Band edge emissions (Radiated)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27





EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	1
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	80000	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	1
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

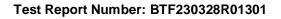
Emissions in restricte	Emissions in restricted frequency bands (below 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23	
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23	
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	/	
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27	
EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESCI7	101032	2022-11-24	2023-11-23	
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2022-11-24	2023-11-23	
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	/	
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	80000	2023-03-24	2024-03-23	
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21	
EZ_EMC	Frad	FA-03A2 RE+	/	/	/	
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	/	
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27	

Emissions in restricted frequency bands (above 1GHz)						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23	
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF1-SMASMAM-1 0m	21101566	2022-11-24	2023-11-23	
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23	





RE Cable	REBES Talent	UF1-SMASMAM-1 m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	1
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWA RZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWA RZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	1	/	/
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	80000	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27



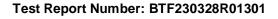


4.2 Test Auxiliary Equipment

Title	Manufacturer	Model No.	Serial No.
Adapter	Huawei	HW-059200CHQ	/

Test Modes

No.	Test Modes	Description
TM1	TX mode	Keep the EUT connect to AC power line and works in continuously transmitting mode with GFSK modulation.





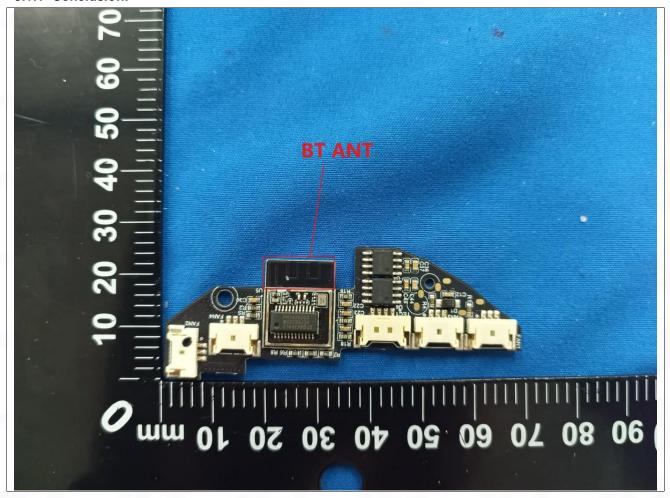
5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

5.1.1 Conclusion:







6 Radio Spectrum Matter Test Results (RF)

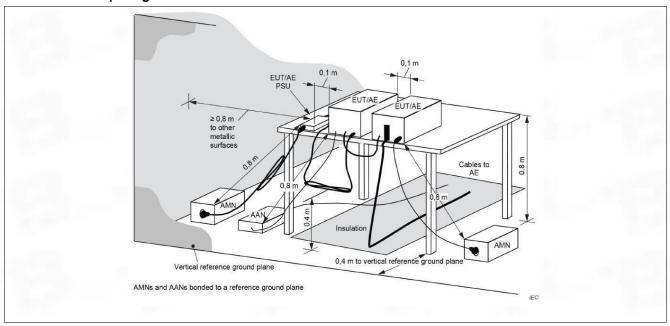
6.1 Conducted Emission at AC power line

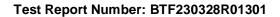
Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 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:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices					
	Frequency of emission (MHz)	Conducted limit (dBµV)				
		Quasi-peak	Average			
Test Limit:	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60 50				
	*Decreases with the logarithm of the frequency.					

6.1.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	46 %
Atmospheric Pressure:	1010 mbar

6.1.2 Test Setup Diagram:

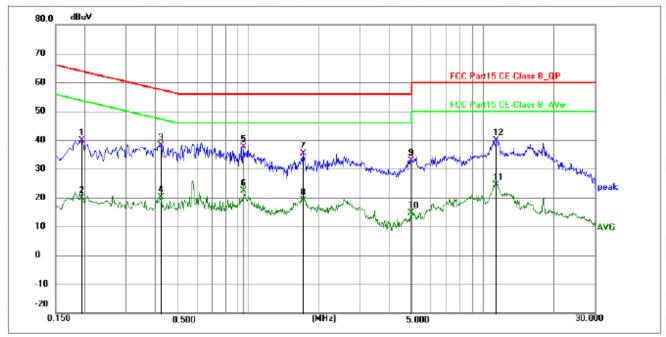




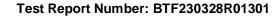


6.1.3 Test Data:

TM1 / Line: Line / Band: 2.4G / BW: 2 / CH: M

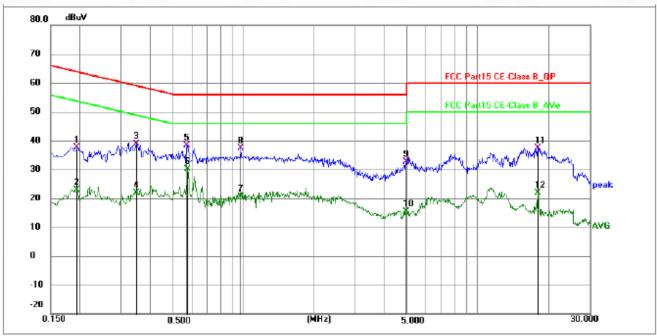


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1949	29.25	10.62	39.87	63.83	-23.96	QP	Р	
2	0.1949	9.17	10.62	19.79	53.83	-34.04	AVG	Р	
3	0.4200	27.40	10.62	38.02	57.45	-19.43	QP	Р	
4	0.4200	9.61	10.62	20.23	47.45	-27.22	AVG	Р	
5 *	0.9555	26.93	10.77	37.70	56.00	-18.30	QP	Р	
6	0.9555	11.56	10.77	22.33	46.00	-23.67	AVG	Р	
7	1.7160	24.68	10.72	35.40	56.00	-20.60	QP	Р	
8	1.7160	8.41	10.72	19.13	46.00	-26.87	AVG	Р	
9	4.9380	22.91	10.07	32.98	56.00	-23.02	QP	Р	
10	4.9380	4.65	10.07	14.72	46.00	-31.28	AVG	Р	
11	11.3505	13.56	10.94	24.50	50.00	-25.50	AVG	Р	
12	11.3910	28.83	10.94	39.77	60.00	-20.23	QP	Р	

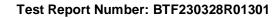








No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1949	26.90	10.62	37.52	63.83	-26.31	QP	Р	
2	0.1949	12.21	10.62	22.83	53.83	-31.00	AVG	Р	
3	0.3480	28.27	10.62	38.89	59.01	-20.12	QP	Р	
4	0.3480	11.18	10.62	21.80	49.01	-27.21	AVG	Р	
5	0.5730	27.62	10.66	38.28	56.00	-17.72	QP	Р	
6 *	0.5775	19.57	10.66	30.23	46.00	-15.77	AVG	Р	
7	0.9735	9.81	10.78	20.59	46.00	-25.41	AVG	Р	
8	0.9780	26.68	10.78	37.46	56.00	-18.54	QP	Р	
9	4.9515	22.31	10.21	32.52	56.00	-23.48	QP	Р	
10	4.9515	5.16	10.21	15.37	46.00	-30.63	AVG	Р	
11	18.0060	26.39	10.94	37.33	60.00	-22.67	QP	Р	
12	18.0060	10.99	10.94	21.93	50.00	-28.07	AVG	Р	





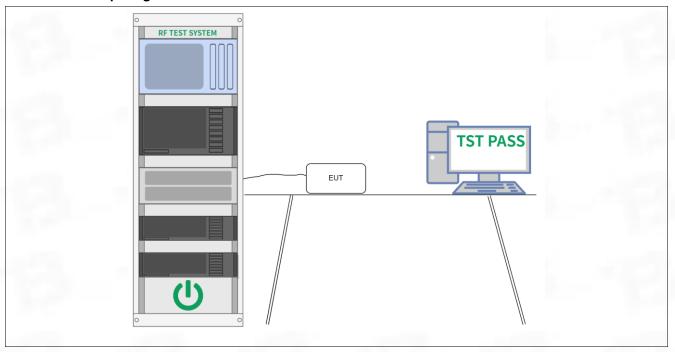
6.2 Occupied Bandwidth

Test Requirement:	Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	DTS bandwidth
Test Limit:	Section (a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Procedure:	a) Set RBW = 100 kHz. b) Set the VBW >= [3 x RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.2.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	46 %
Atmospheric Pressure:	1010 mbar

6.2.2 Test Setup Diagram:



6.2.3 Test Data:

Please Refer to Appendix for Details.



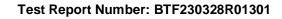


6.3 Maximum Conducted Output Power

	·
Test Requirement:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	Maximum peak conducted output power
Test Limit:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Procedure:	ANSI C63.10-2013, section 11.9.1 Maximum peak conducted output power

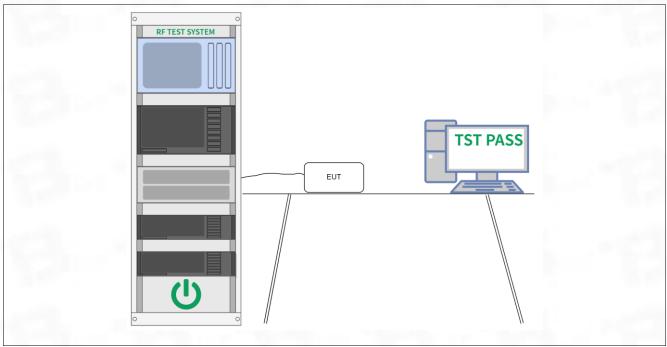
6.3.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	46 %
Atmospheric Pressure:	1010 mbar



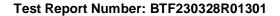


6.3.2 Test Setup Diagram:



6.3.3 Test Data:

Please Refer to Appendix for Details.





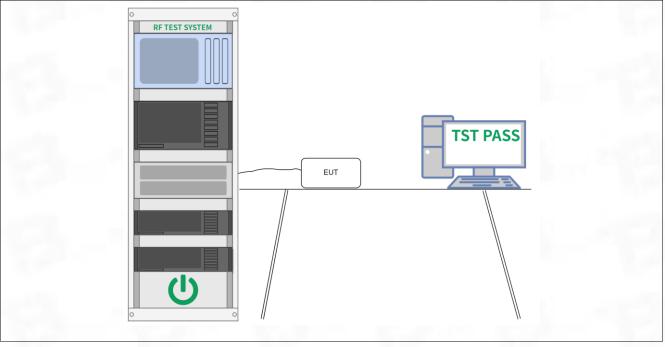
6.4 Power Spectral Density

Test Requirement:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	Maximum power spectral density level in the fundamental emission
Test Limit:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

6.4.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	46 %
Atmospheric Pressure:	1010 mbar

6.4.2 Test Setup Diagram:



6.4.3 Test Data:

Please Refer to Appendix for Details.



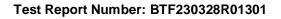


6.5 Emissions in non-restricted frequency bands

Test Requirement:	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.
Test Method:	Emissions in nonrestricted frequency bands
Test Limit:	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:	ANSI C63.10-2013 Section 11.11.1, Section 11.11.2, Section 11.11.3

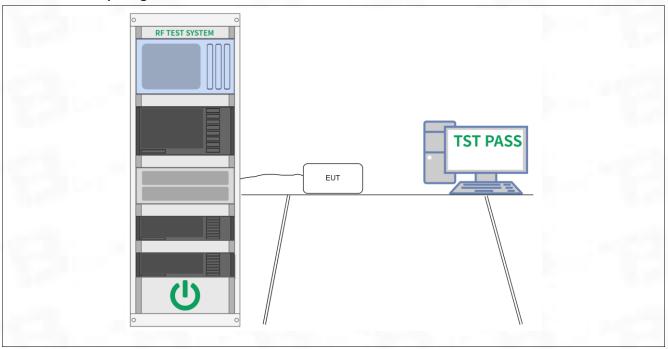
6.5.1 E.U.T. Operation:

Operating Environment:		
Temperature:	23.2 °C	
Humidity:	46 %	
Atmospheric Pressure:	1010 mbar	



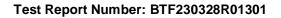


6.5.2 Test Setup Diagram:



6.5.3 Test Data:

Please Refer to Appendix for Details.





6.6 Band edge emissions (Radiated)

Test Requirement:	15.205(a), must also cor	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:	Radiated emissions test	S						
	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					
Test Limit:	88-216	150 **	3					
	216-960	200 **	3					
	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.							
Procedure:	ANSI C63.10-2013 secti	ion 6.6.4						

6.6.1 E.U.T. Operation:

Operating Environment:				
Temperature:	22.7 °C			
Humidity:	49.9 %			
Atmospheric Pressure:	1010 mbar			





6.6.2 Test Data:

TM1 / Polarization: Horizontal / Band: 2.4G / 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	69.89	-30.59	39.30	74.00	-34.70	peak	Р
2	2390.000	72.56	-30.49	42.07	74.00	-31.93	peak	Р
3 *	2400.000	75.42	-30.48	44.94	74.00	-29.06	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / 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	66.39	-30.59	35.80	74.00	-38.20	peak	Р
2	2390.000	71.06	-30.49	40.57	74.00	-33.43	peak	Р
3 *	2400.000	71.42	-30.48	40.94	74.00	-33.06	peak	Р

TM1 / Polarization: Horizontal / Band: 2.4G / 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	72.68	-30.39	42.29	74.00	-31.71	peak	Р
2	2500.000	68.72	-30.37	38.35	74.00	-35.65	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / 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	74.68	-30.39	44.29	74.00	-29.71	peak	Р
2	2500.000	67.22	-30.37	36.85	74.00	-37.15	peak	Р





TM1 / Polarization: Horizontal / Band: 2.4G / BW: 2 / CH: L

N	lo.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1	2310.000	69.11	-30.59	38.52	74.00	-35.48	peak	Р
2	2	2390.000	72.02	-30.49	41.53	74.00	-32.47	peak	Р
3	} *	2400.000	79.07	-30.48	48.59	74.00	-25.41	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 2 / CH: L

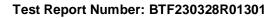
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	69.04	-30.59	38.45	74.00	-35.55	peak	Р
2	2390.000	70.72	-30.49	40.23	74.00	-33.77	peak	Р
3 *	2400.000	80.91	-30.48	50.43	74.00	-23.57	peak	Р

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 2 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	2483.500	75.88	-30.39	45.49	74.00	-28.51	peak	Р
2	2500.000	70.12	-30.37	39.75	74.00	-34.25	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 2 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	2483.500	75.88	-30.39	45.49	74.00	-28.51	peak	Р
2	2500.000	69.62	-30.37	39.25	74.00	-34.75	peak	Р



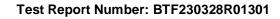


6.7 Emissions in restricted frequency bands (below 1GHz)

Test Requirement:	15.205(a), must also cor	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:	Radiated emissions test	Radiated emissions tests						
	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					
Test Limit:	88-216	150 **	3					
	216-960	200 **	3					
	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.							
Procedure:	ANSI C63.10-2013 secti	on 6.6.4						

6.7.1 E.U.T. Operation:

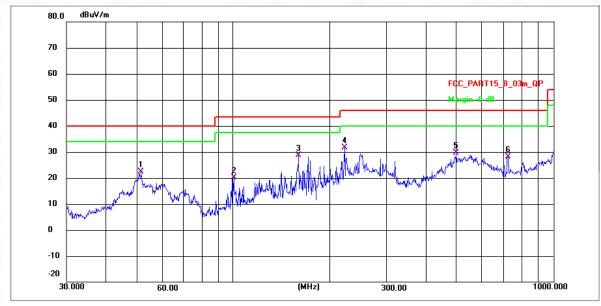
Operating Environment:				
Temperature:	22.7 °C			
Humidity:	49.9 %			
Atmospheric Pressure:	1010 mbar			



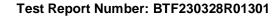


6.7.2 Test Data:

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 2 / CH: M

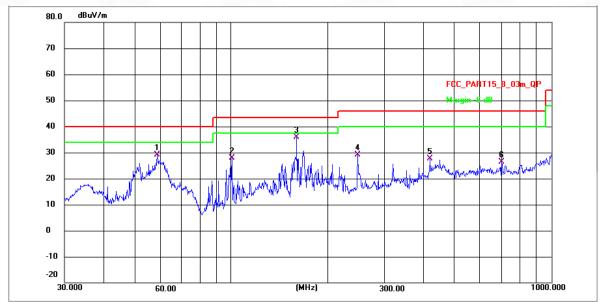


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	51.3905	40.64	-18.26	22.38	40.00	-17.62	QP	Р
2	100.4045	34.74	-14.64	20.10	43.50	-23.40	QP	Р
3	160.0648	44.82	-16.18	28.64	43.50	-14.86	QP	Р
4 *	222.1698	48.24	-16.62	31.62	46.00	-14.38	QP	Р
5	498.5498	40.94	-11.39	29.55	46.00	-16.45	QP	Р
6	722.9924	51.80	-23.69	28.11	46.00	-17.89	QP	Р

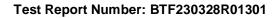








No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	58.6126	49.24	-20.17	29.07	40.00	-10.93	QP	Р
2	100.4045	41.56	-13.62	27.94	43.50	-15.56	QP	Р
3 *	160.0648	50.26	-14.35	35.91	43.50	-7.59	QP	Р
4	248.1165	43.07	-14.06	29.01	46.00	-16.99	QP	Р
5	416.1791	41.41	-13.70	27.71	46.00	-18.29	QP	Р
6	699.3046	49.85	-23.45	26.40	46.00	-19.60	QP	Р



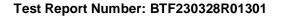


6.8 Emissions in restricted frequency bands (above 1GHz)

Test Requirement:	15.205(a), must also cor	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:	Radiated emissions test	S									
	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								
Test Limit:	88-216	150 **	3								
	216-960	200 **	3								
	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 bare 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation with these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.										
Procedure:	ANSI C63.10-2013 secti	on 6.6.4									

6.8.1 E.U.T. Operation:

Operating Environment:	Operating Environment:						
Temperature:	22.7 °C						
Humidity:	49.9 %						
Atmospheric Pressure:	1010 mbar						





6.8.2 Test Data:

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 1 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1230.277	66.81	-30.23	36.58	74.00	-37.42	peak	Р
2	1927.846	69.22	-31.04	38.18	74.00	-35.82	peak	Р
3	3894.755	69.64	-29.01	40.63	74.00	-33.37	peak	Р
4	6686.766	72.47	-25.21	47.26	74.00	-26.74	peak	Р
5	9555.255	71.80	-23.32	48.48	74.00	-25.52	peak	Р
6 *	12347.669	73.74	-21.79	51.95	74.00	-22.05	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 1 / CH: L

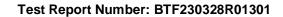
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1097.539	69.89	-29.51	40.38	74.00	-33.62	peak	Р
2	2107.950	68.77	-30.81	37.96	74.00	-36.04	peak	Р
3	3438.570	65.42	-29.11	36.31	74.00	-37.69	peak	Р
4	5369.588	65.64	-27.06	38.58	74.00	-35.42	peak	Р
5	8153.195	70.41	-25.47	44.94	74.00	-29.06	peak	Р
6 *	14366.840	69.78	-21.17	48.61	74.00	-25.39	peak	Р

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 1 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1152.481	68.08	-29.82	38.26	74.00	-35.74	peak	Р
2	2080.109	69.76	-30.84	38.92	74.00	-35.08	peak	Р
3	4279.589	68.93	-28.88	40.05	74.00	-33.95	peak	Р
4	6607.992	68.87	-25.28	43.59	74.00	-30.41	peak	Р
5	9081.331	70.09	-24.13	45.96	74.00	-28.04	peak	Р
6 *	14181.185	68.57	-21.13	47.44	74.00	-26.56	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 1 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1152.481	67.58	-29.82	37.76	74.00	-36.24	peak	Р
2	2107.950	67.77	-30.81	36.96	74.00	-37.04	peak	Р
3	3342.537	63.43	-29.20	34.23	74.00	-39.77	peak	Р
4	5852.590	64.55	-25.80	38.75	74.00	-35.25	peak	Р
5	9607.874	67.88	-23.43	44.45	74.00	-29.55	peak	Р
6 *	14181.185	71.07	-21.13	49.94	74.00	-24.06	peak	Р





TM1 / Polarization: Horizontal / Band: 2.4G / BW: 1 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1152.481	67.58	-29.82	37.76	74.00	-36.24	peak	Р
2	2107.950	70.27	-30.81	39.46	74.00	-34.54	peak	Р
3	3894.755	68.64	-29.01	39.63	74.00	-34.37	peak	Р
4	6686.766	69.47	-25.21	44.26	74.00	-29.74	peak	Р
5 *	9555.255	69.80	-23.32	46.48	74.00	-27.52	peak	Р
6	16452.562	64.27	-19.41	44.86	74.00	-29.14	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 1 / CH: H

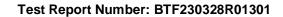
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1131.358	68.08	-29.70	38.38	74.00	-35.62	peak	Р
2	1912.860	66.86	-31.06	35.80	74.00	-38.20	peak	Р
3	3335.781	69.36	-29.20	40.16	74.00	-33.84	peak	Р
4	6327.621	67.52	-25.36	42.16	74.00	-31.84	peak	Р
5	8146.128	70.54	-25.47	45.07	74.00	-28.93	peak	Р
6 *	11871.710	71.06	-22.41	48.65	74.00	-25.35	peak	Р

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 2 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1305.000	64.11	-30.64	33.47	74.00	-40.53	peak	Р
2	2107.950	65.77	-30.81	34.96	74.00	-39.04	peak	Р
3	3589.893	62.73	-29.04	33.69	74.00	-40.31	peak	Р
4	6092.511	66.71	-25.34	41.37	74.00	-32.63	peak	Р
5 *	7934.659	72.56	-25.43	47.13	74.00	-26.87	peak	Р
6	12618.261	66.81	-21.55	45.26	74.00	-28.74	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 2 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1204.939	66.05	-30.10	35.95	74.00	-38.05	peak	Р
2	2107.950	70.27	-30.81	39.46	74.00	-34.54	peak	Р
3	3335.781	65.36	-29.20	36.16	74.00	-37.84	peak	Р
4	5369.588	65.64	-27.06	38.58	74.00	-35.42	peak	Р
5	8411.719	70.83	-25.36	45.47	74.00	-28.53	peak	Р
6 *	14366.840	70.78	-21.17	49.61	74.00	-24.39	peak	Р





TM1 / Polarization: Horizontal / Band: 2.4G / BW: 2 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1185.936	67.17	-29.99	37.18	74.00	-36.82	peak	P
2	1954.214	67.17	-31.00	36.17	74.00	-37.83	peak	P
3	3102.346	67.11	-29.42	37.69	74.00	-36.31	peak	Р
4	4955.008	63.79	-27.50	36.29	74.00	-37.71	peak	Р
5	7519.348	68.19	-24.80	43.39	74.00	-30.61	peak	Р
6 *	10983.644	72.98	-23.48	49.50	74.00	-24.50	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 2 / CH: M

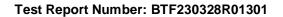
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1194.536	65.65	-30.04	35.61	74.00	-38.39	peak	Р
2	2107.950	67.77	-30.81	36.96	74.00	-37.04	peak	Р
3	3128.459	65.51	-29.39	36.12	74.00	-37.88	peak	Р
4	5171.570	67.95	-27.23	40.72	74.00	-33.28	peak	Р
5	7633.217	72.03	-24.98	47.05	74.00	-26.95	peak	Р
6 *	11460.378	72.99	-23.10	49.89	74.00	-24.11	peak	Р

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 2 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1170.948	68.15	-29.91	38.24	74.00	-35.76	peak	Р
2	2044.937	68.32	-30.88	37.44	74.00	-36.56	peak	Р
3	2910.373	70.71	-29.66	41.05	74.00	-32.95	peak	Р
4	5317.078	68.93	-27.11	41.82	74.00	-32.18	peak	Р
5	9555.255	72.08	-23.32	48.76	74.00	-25.24	peak	Р
6 *	12319.150	73.82	-21.82	52.00	74.00	-22.00	peak	Р

TM1 / Polarization: Vertical / Band: 2.4G / BW: 2 / CH: H

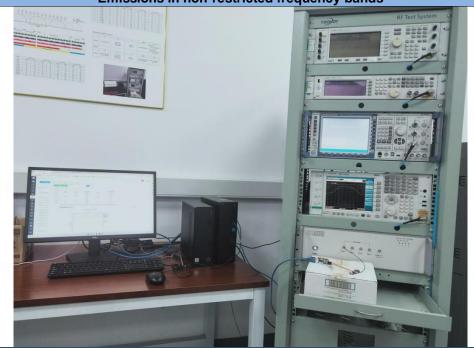
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1170.948	69.15	-29.91	39.24	74.00	-34.76	peak	Р
2	2044.937	67.32	-30.88	36.44	74.00	-37.56	peak	Р
3	3729.504	64.62	-29.03	35.59	74.00	-38.41	peak	Р
4	5825.586	67.14	-25.89	41.25	74.00	-32.75	peak	Р
5	9610.652	69.73	-23.44	46.29	74.00	-27.71	peak	Р
6 *	13435.039	70.43	-21.01	49.42	74.00	-24.58	peak	Р





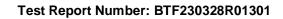
7 Test Setup Photos

Occupied Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in non-restricted frequency bands

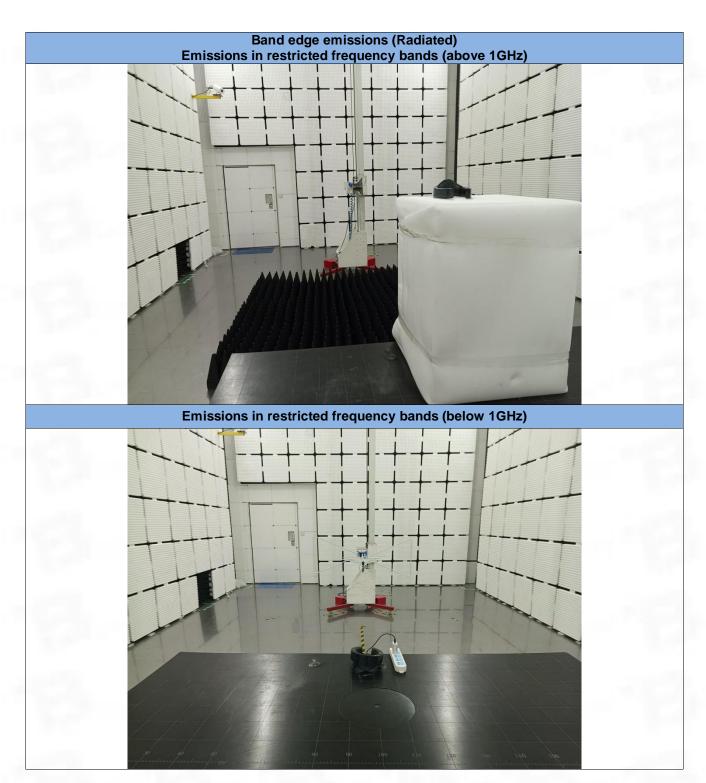


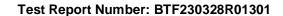
Conducted Emission at AC power line









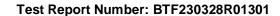




EUT Constructional Details (EUT Photos)



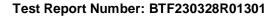
















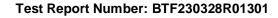




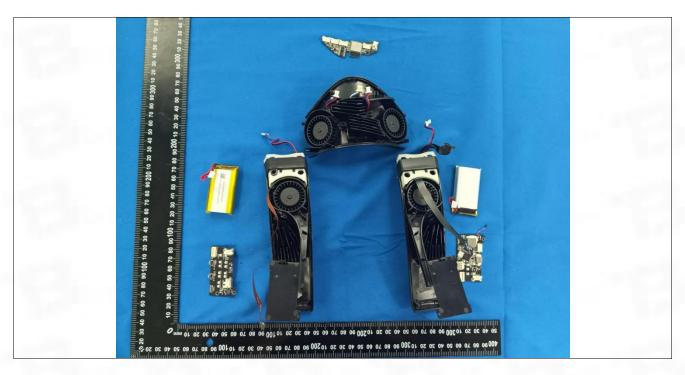


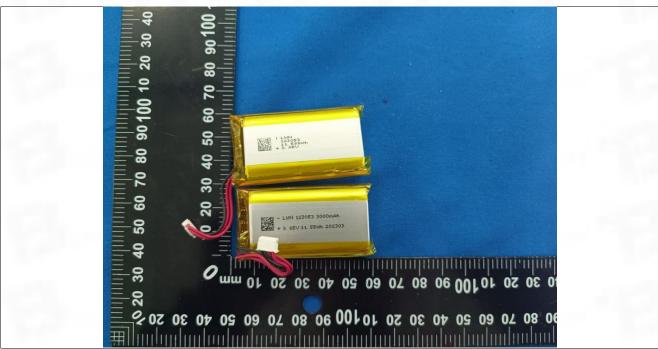


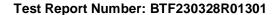




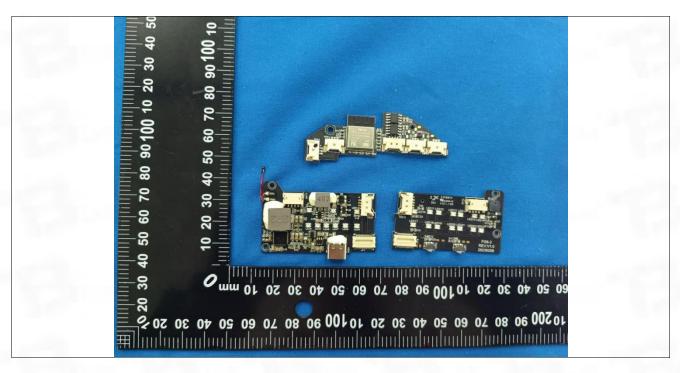


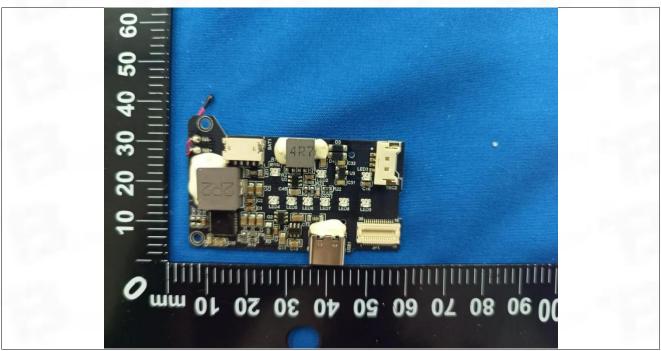






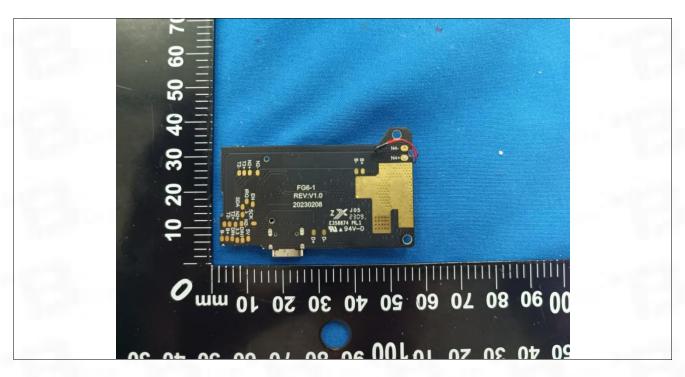


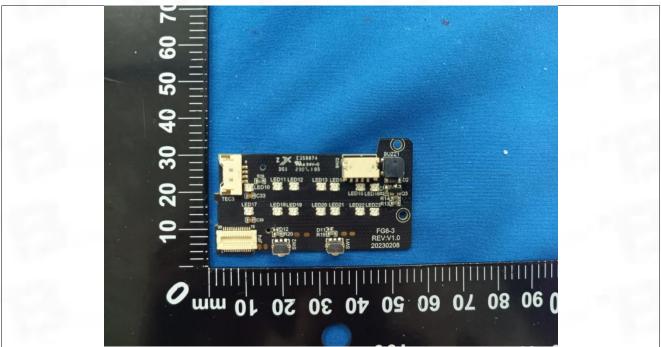


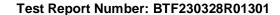




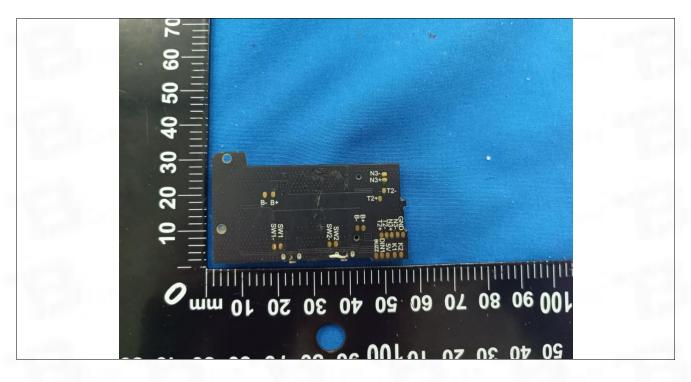


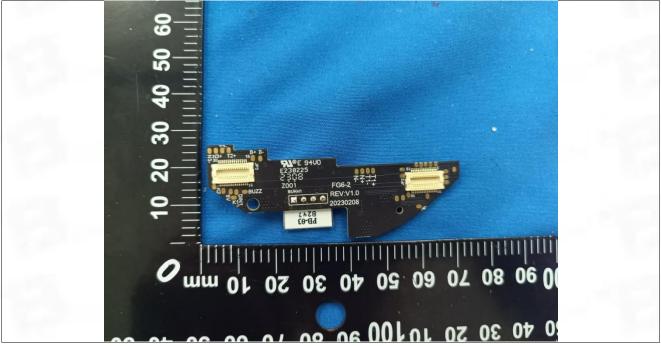


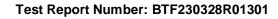




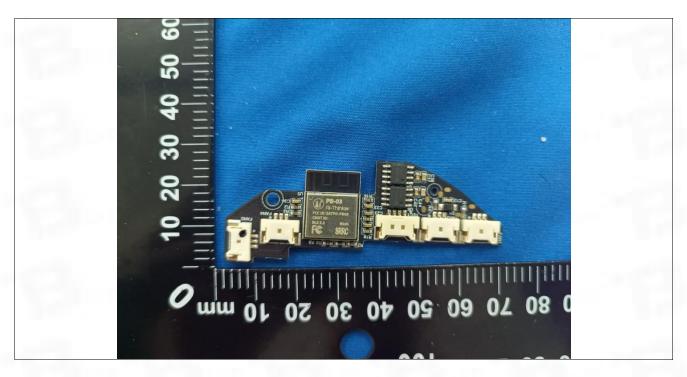


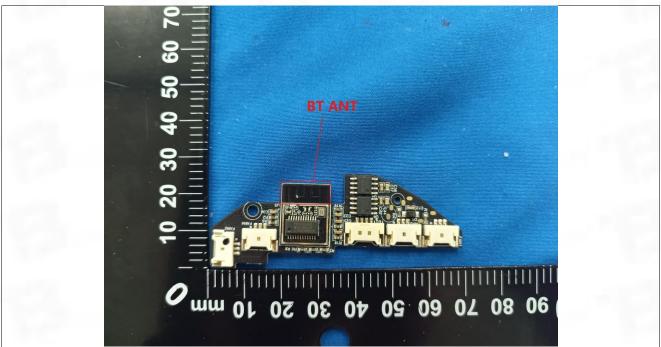








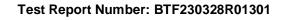








Appendix

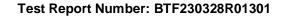




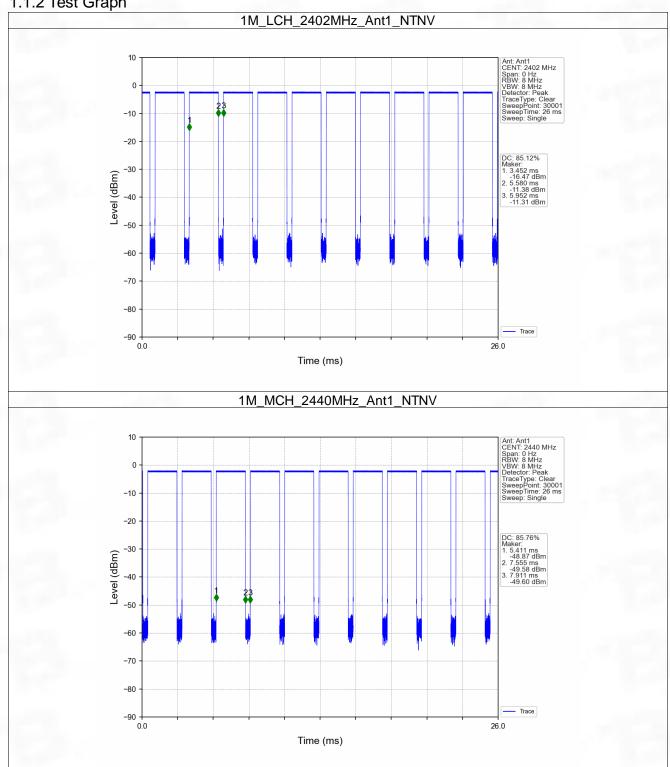
1. Duty Cycle

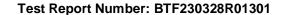
1.1 Ant1

Ant1							
Mode	TX	Frequency	T_on	Period	Duty Cycle	Duty Cycle	Max. DC
Mode	Type	(MHz)	(ms)	(ms)	(%)	Correction Factor (dB)	Variation (%)
		2402	2.128	2.500	85.12	0.70	0.03
1M	SISO	2440	2.144	2.500	85.76	0.67	0.00
		2480		0.67	0.06		
		2402	1.071	1.875	57.12	2.43	0.01
2M	SISO	2440	1.089	1.875	58.08	2.36	0.05
		2480	1.071	1.874	57.15	2.43	0.03

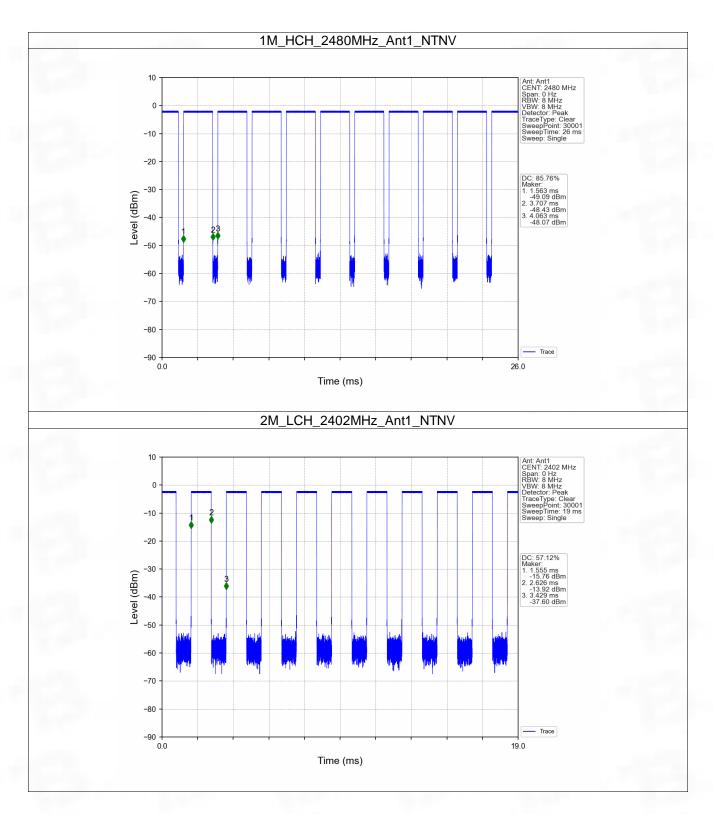


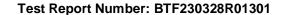




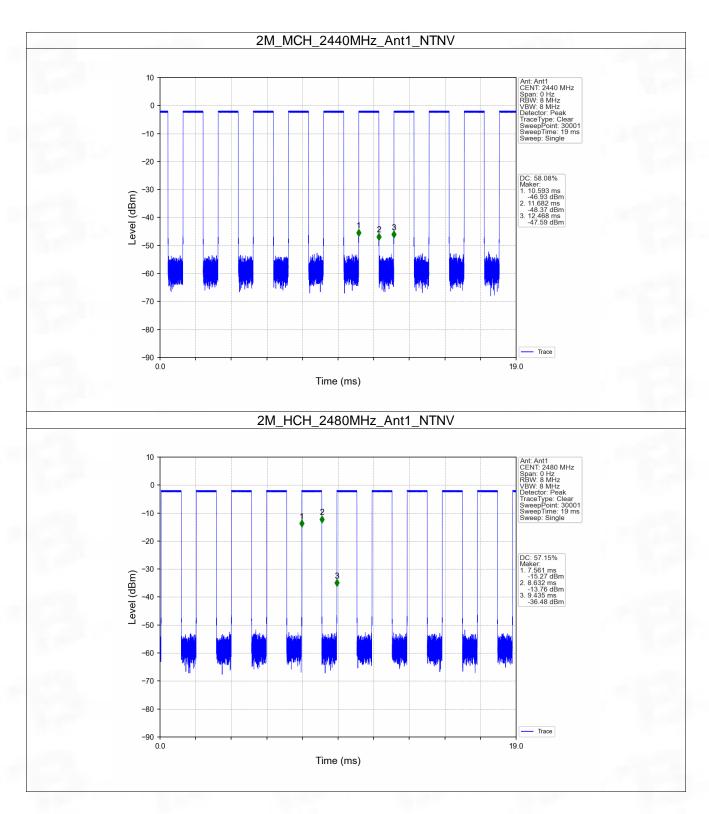


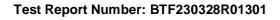










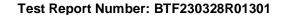




2. Bandwidth

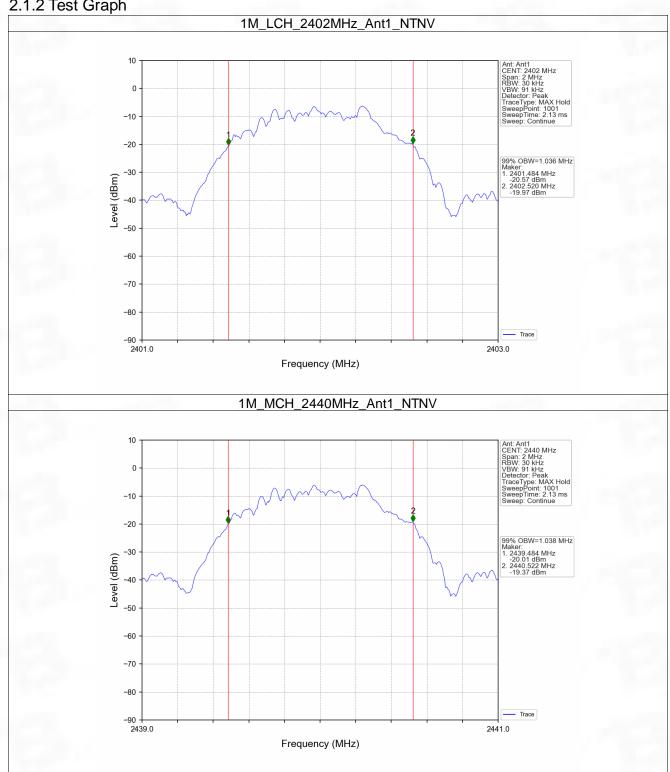
2.1 OBW

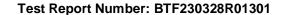
Mode	TX	Frequency	ANT	99% Occupied Bandwidth (MHz)	Verdict
Mode	Туре	(MHz)	AINT	Result	
		2402	1	1.036	Pass
1M	SISO	2440	1	1.038	Pass
		2480	1 1.038	1.038	Pass
		2402	1	2.072	Pass
2M	SISO	2440	1	2.067	Pass
		2480	1	2.067	Pass



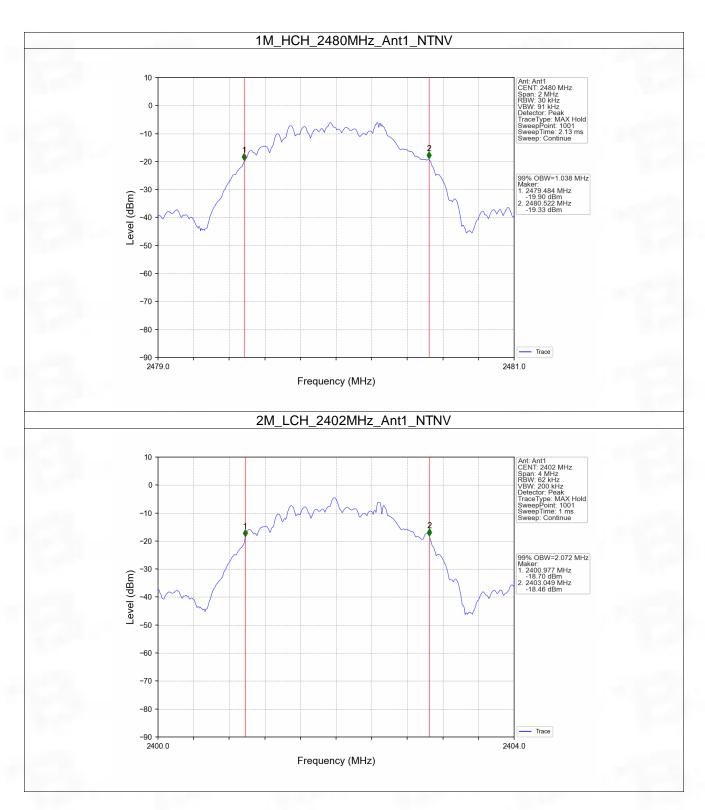


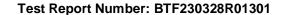




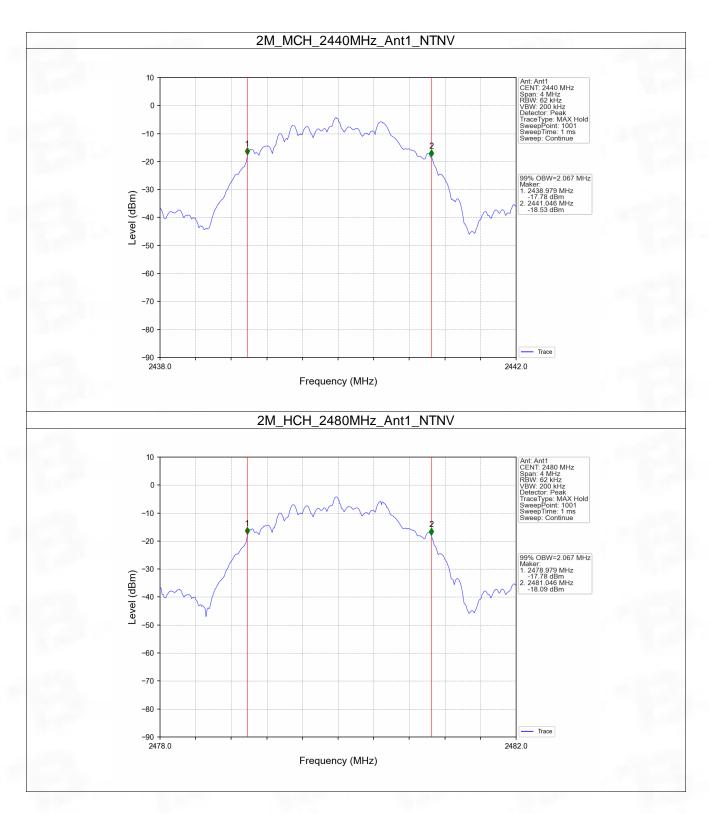


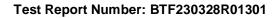








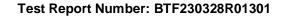




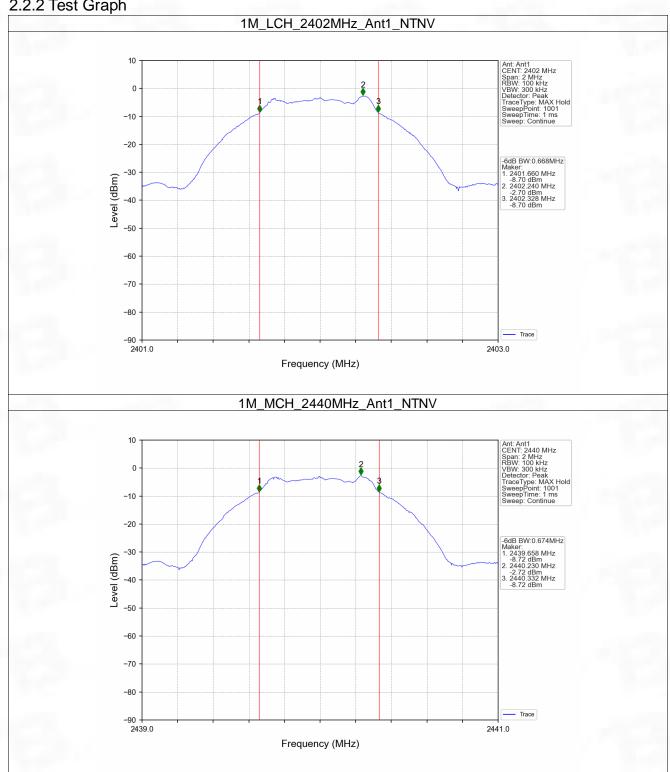


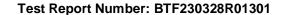
2.2 6dB BW

Mode	TX	Frequency	ANT	6dB Bandwidth (MHz)		Verdict
Mode	Type	(MHz)		Result	Result Limit	
	SISO	2402	1	0.668	>=0.5	Pass
1M		2440	1	0.674	>=0.5	Pass
		2480	1	0.690	>=0.5	Pass
	SISO	2402	1	1.170	>=0.5	Pass
2M		2440	1	1.179	>=0.5	Pass
		2480	1	1.181	>=0.5	Pass

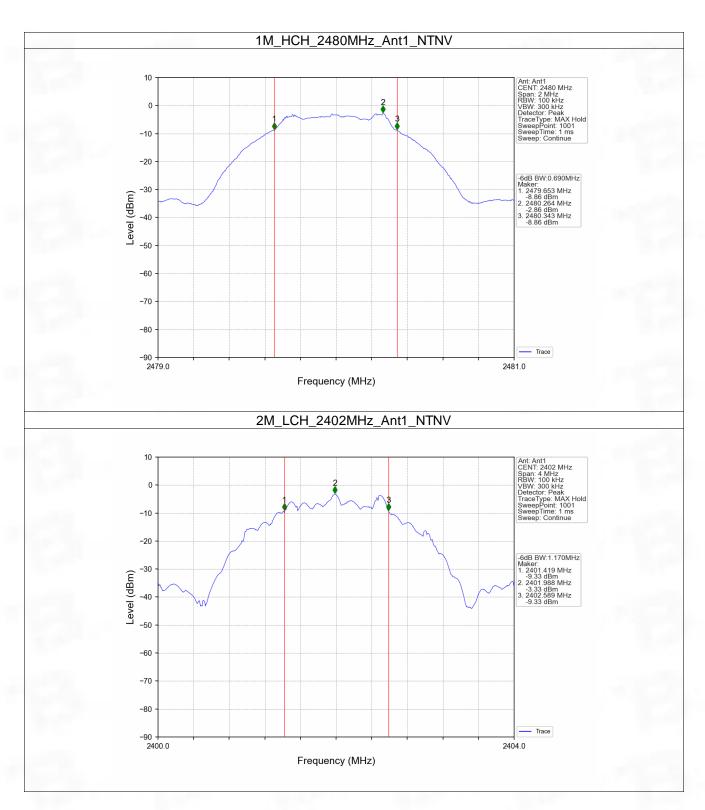


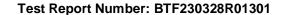




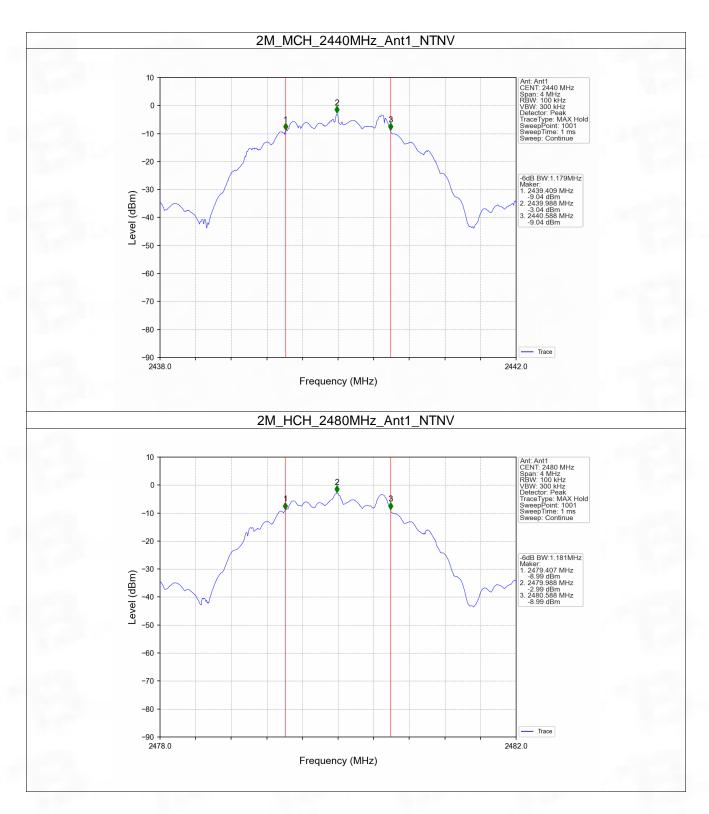


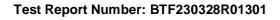










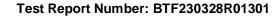




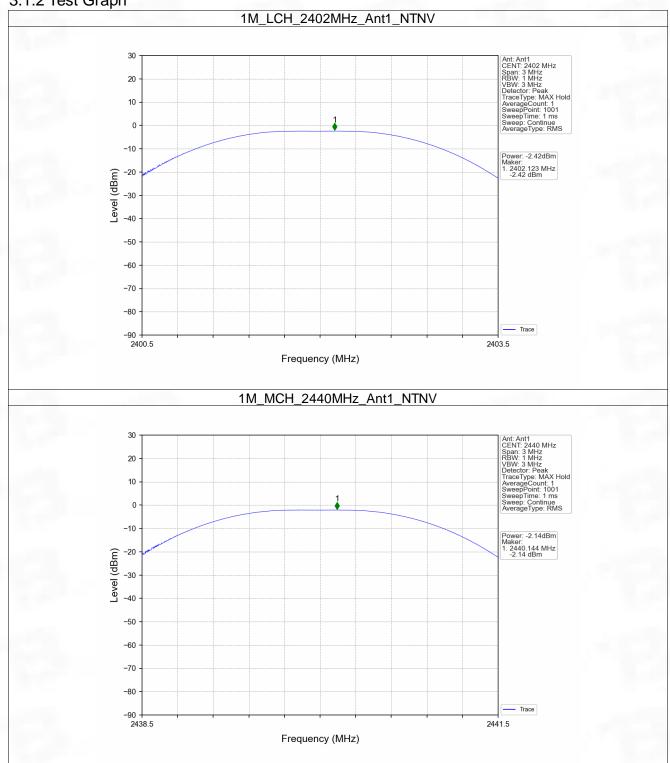
3. Maximum Conducted Output Power

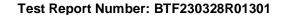
3.1 Power

Mode	TX	Frequency Maximum Peak Condu		ed Output Power (dBm)	Verdict
Mode	Type	(MHz)	ANT1	Limit	verdict
		2402	-2.42	<=30	Pass
1M	SISO	2440	-2.14	<=30	Pass
		2480	-2.09	<=30	Pass
		2402	-2.38	<=30	Pass
2M	SISO	2440	-2.08	<=30	Pass
		2480	-2.03	<=30	Pass
Note1: Ante	enna Gain: A	Ant1: 2.56dBi;			

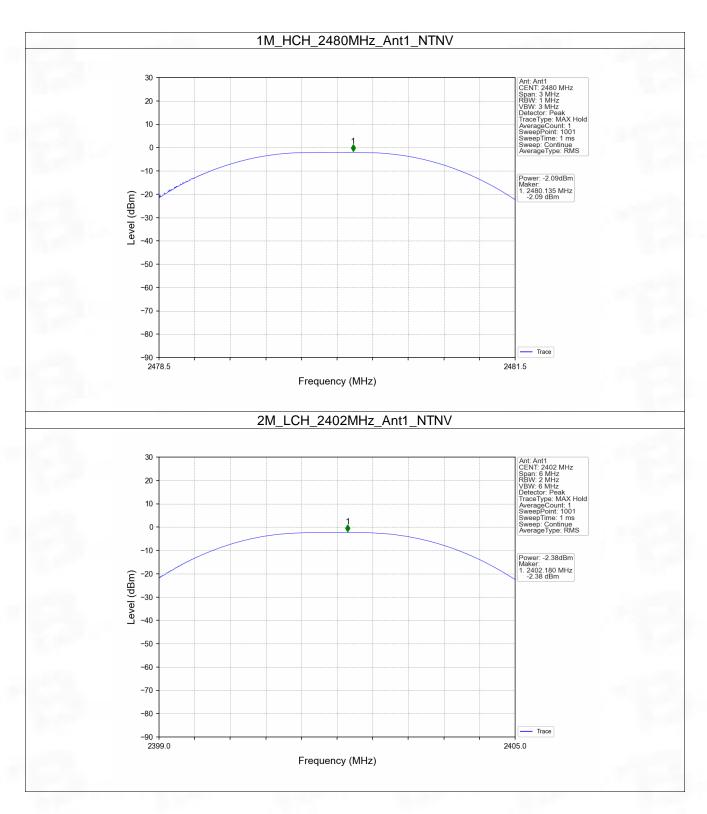


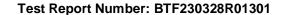




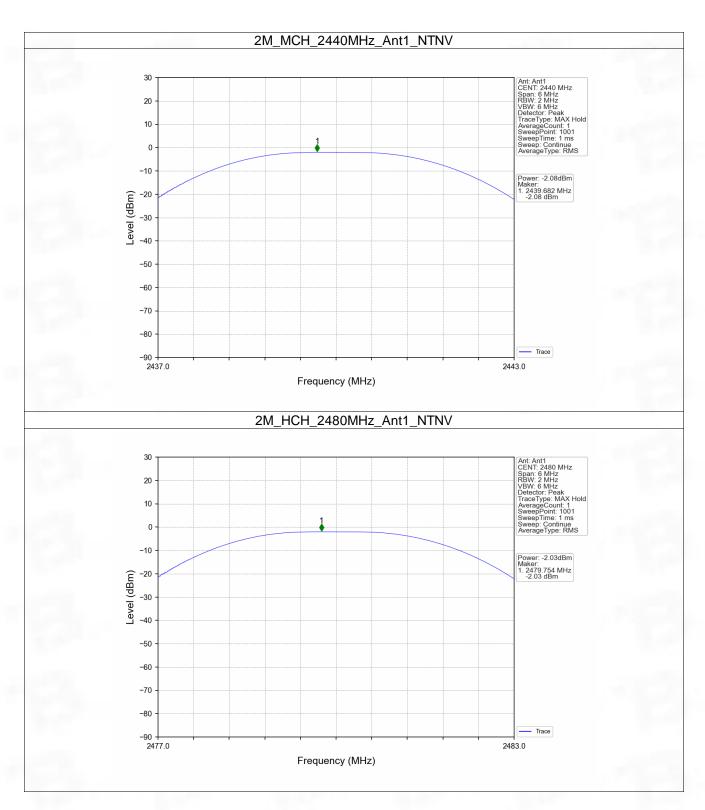


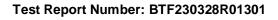










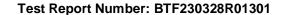




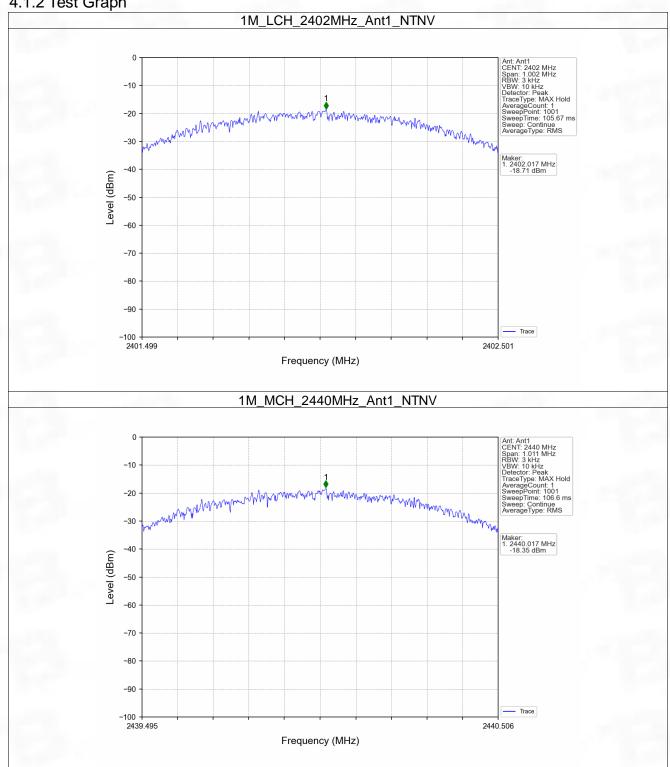
4. Maximum Power Spectral Density

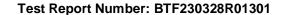
4.1 PSD

Mada	TX	Frequency	Maximum PSI	Vardiet	
Mode	Туре	(MHz)	ANT1	Limit	Verdict
1M		2402	-18.71	<=8	Pass
	SISO	2440	-18.35	<=8	Pass
		2480	-18.33	<=8	Pass
2M	SISO	2402	-21.25	<=8	Pass
		2440	-21.37	<=8	Pass
		2480	-22.18	<=8	Pass

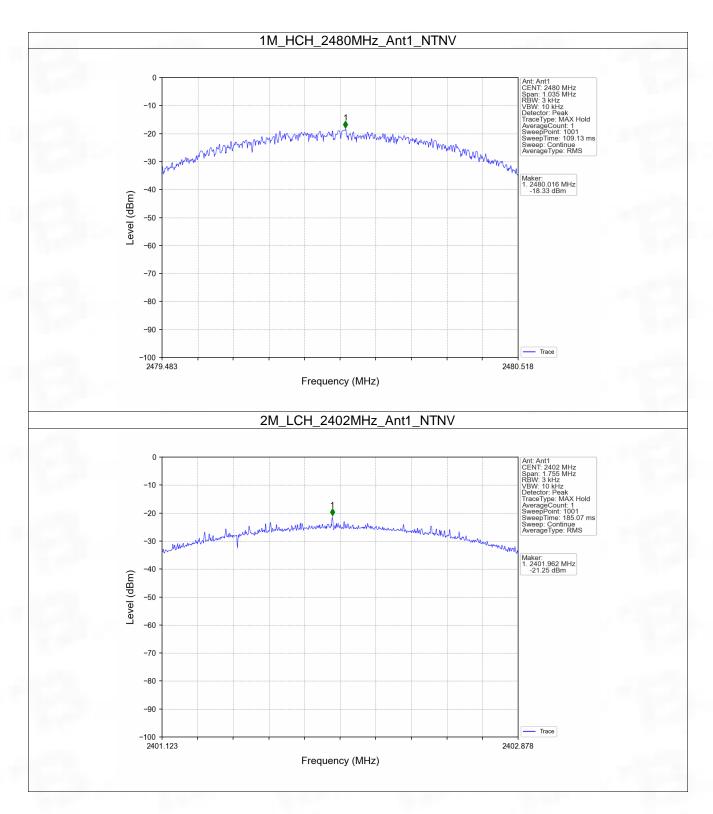


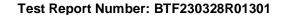




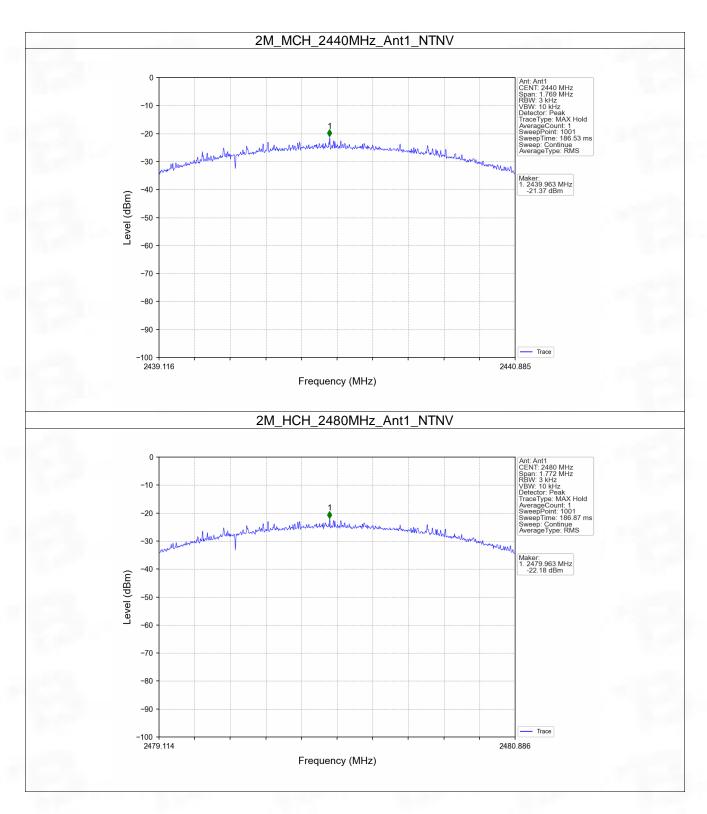


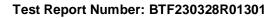














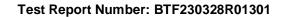
5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

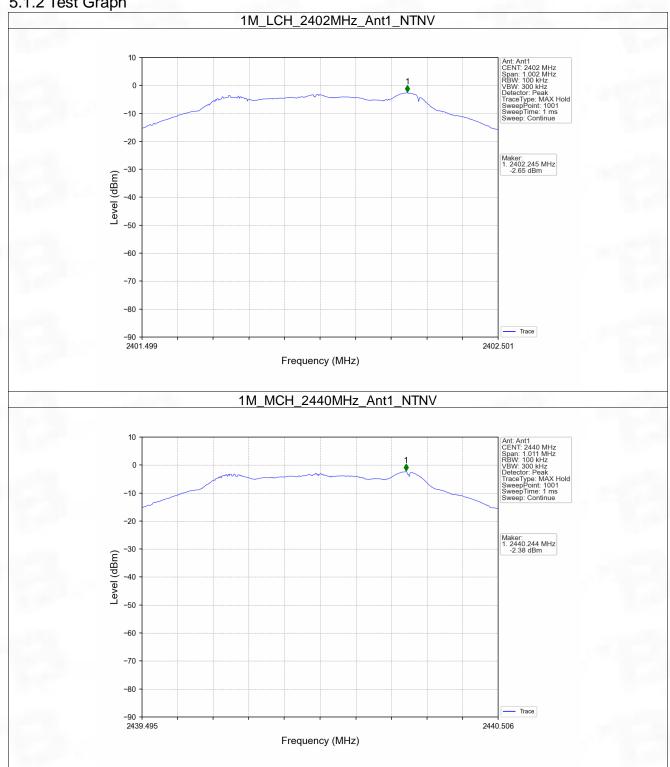
5.1.1 Test Result

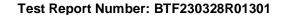
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
		2402	1	-2.65
1M	SISO	2440	1	-2.38
		2480	1	-2.33
		2402	1	-3.37
2M	SISO	2440	1	-3.18
		2480	1	-3.02

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.

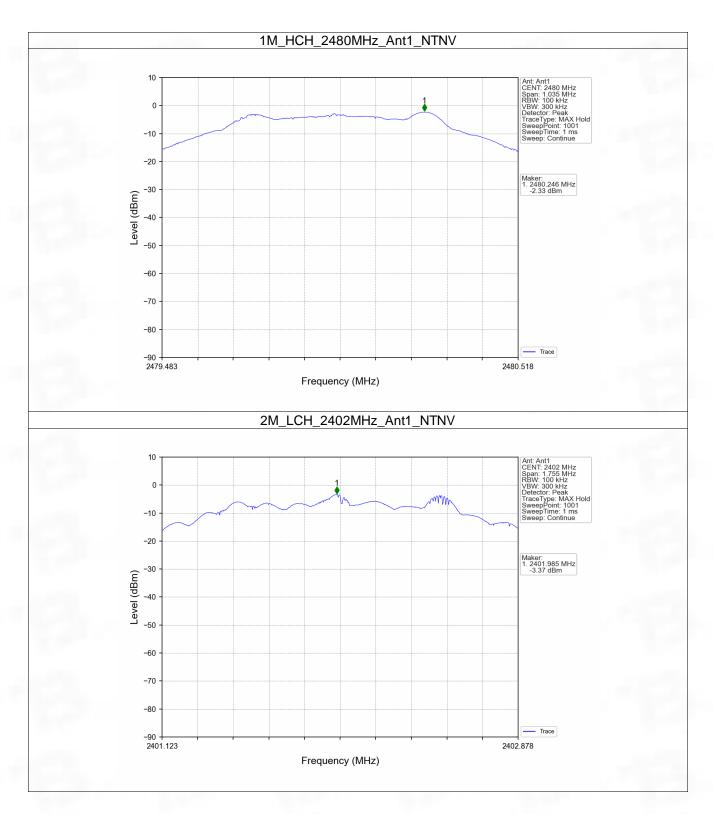


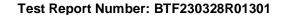




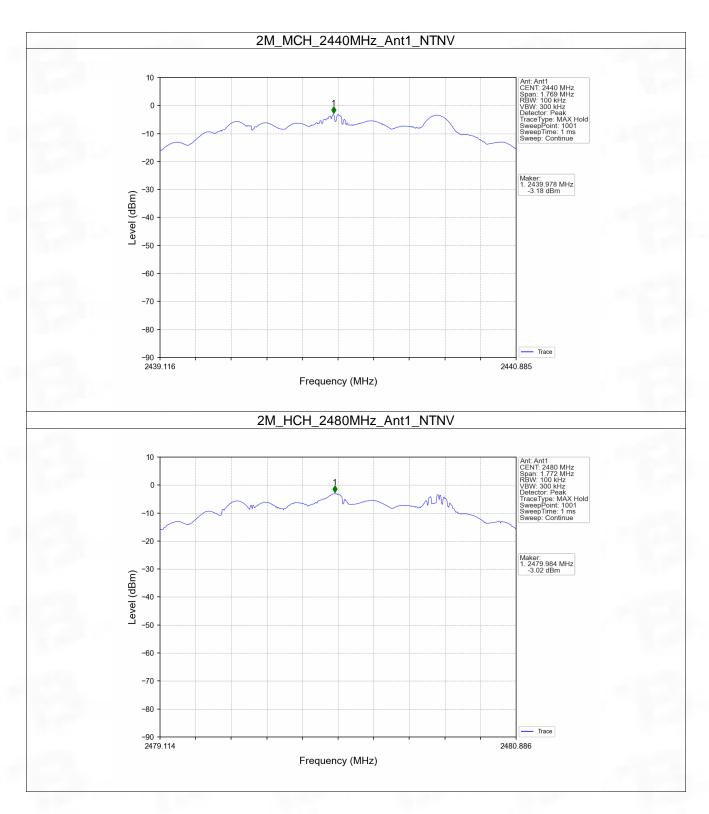


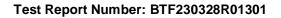












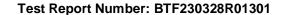


5.2 CSE

5.2.1 Test Result

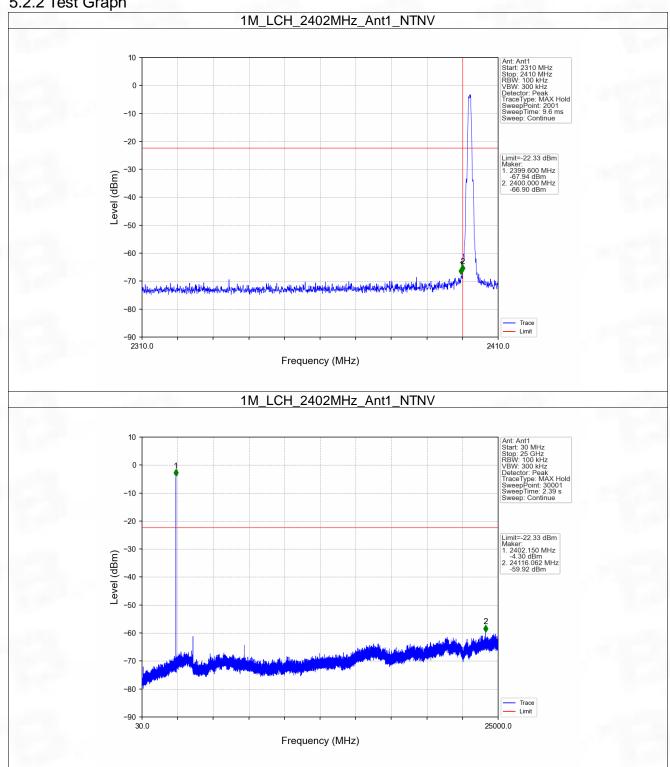
Mada	TX	TX Frequency		Level of Reference	Limit	\/ordiot
Mode	Type	(MHz)	ANT	(dBm)	n) (dBm) Verd	Verdict
		2402	1	-2.33	-22.33	Pass
1M	SISO	2440	1	-2.33	-22.33	Pass
	2480 1	2480 1 -2.33	-2.33	-22.33	Pass	
		2402	1	-3.02	-23.02	Pass
2M	SISO	2440	1	-3.02	-23.02	Pass
		2480	1	-3.02	-23.02	Pass

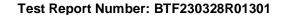
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



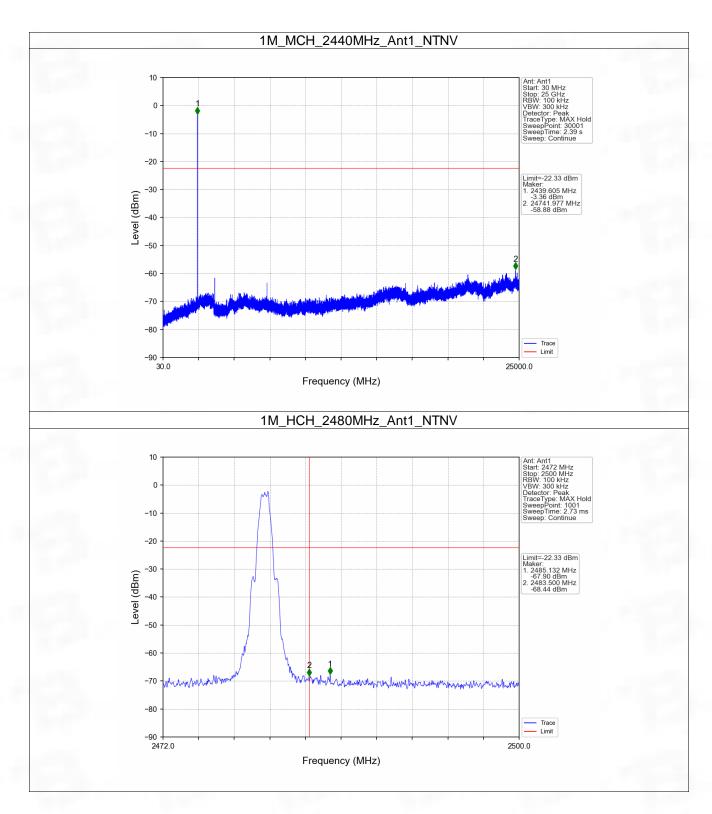


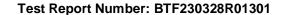




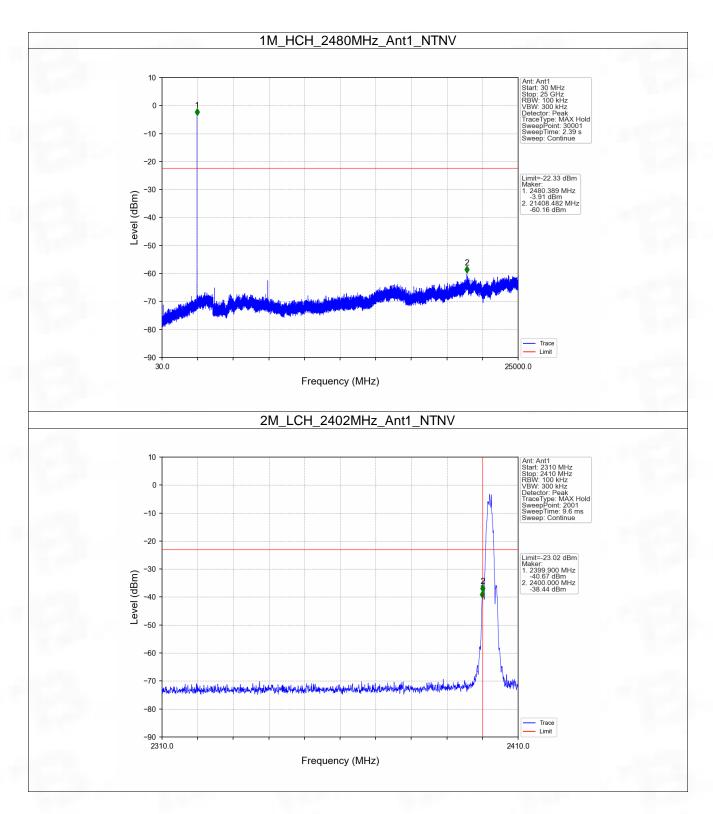


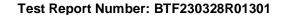




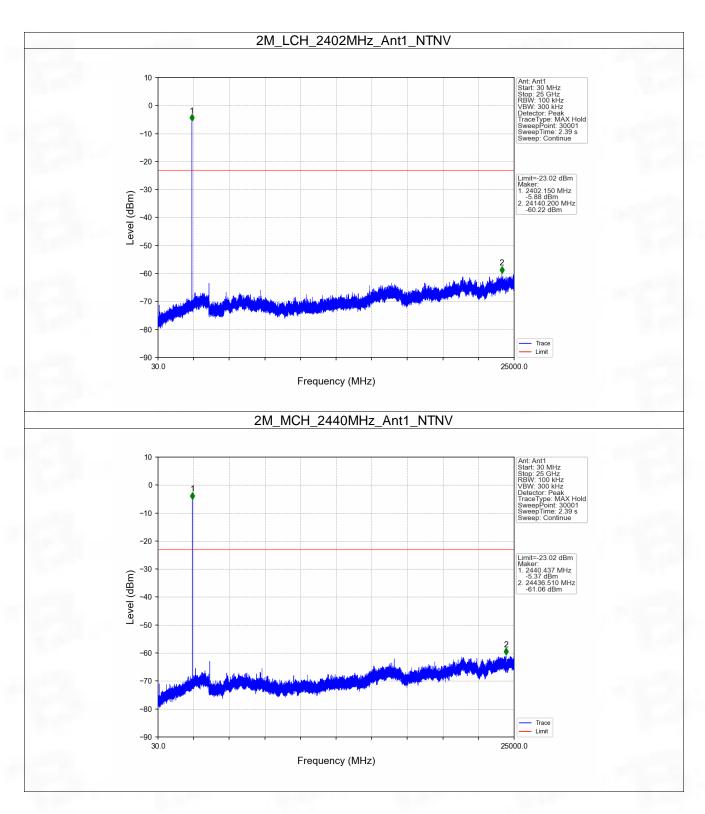


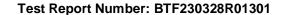




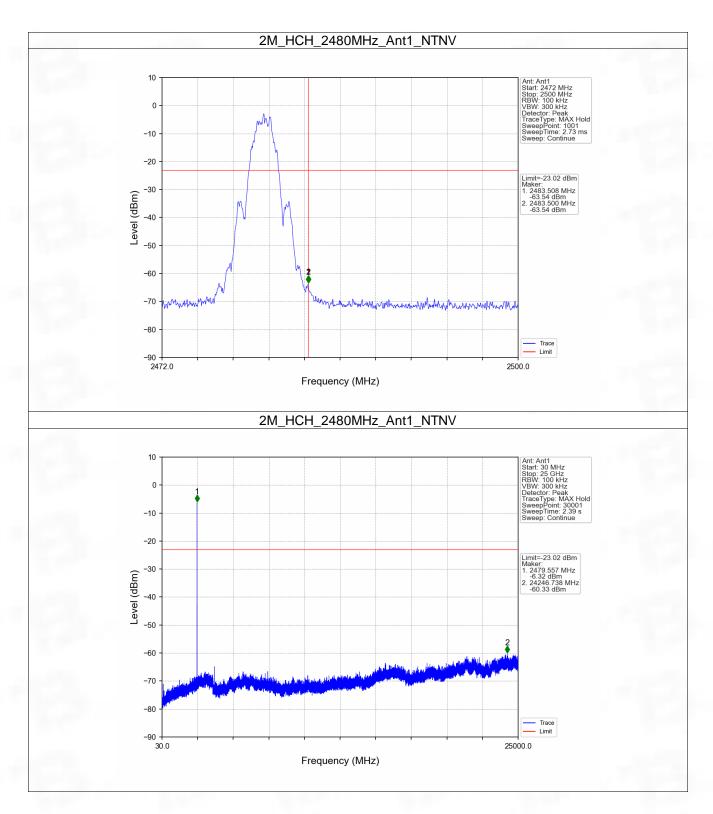


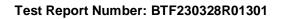










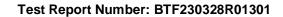




6. Form731

6.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0006	-2.03







BTF Testing Lab (Shenzhen) Co., Ltd.

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

www.btf-lab.com

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