FCC TEST REPORT

FCC ID: 2AY3H-AM3MAX

Report No. : SSP24090122-2E

Applicant: Shenzhen Ajazz Tongchuang Electronic Technology Co., Ltd.

Product Name : Mouse

Model Name : AM3 MAX

Test Standard: FCC Part 15.249

Date of Issue : 2024-09-23



Shenzhen CCUT Quality Technology Co., Ltd.

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China; (Tel.:+86-755-23406590 website: www.ccuttest.com)

This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

FCC Test Report Page 1 of 26

Test Report Basic Information

Applicant..... Shenzhen Ajazz Tongchuang Electronic Technology Co., Ltd. 2104-1, Block A, CIMC Low Orbit Satellite Internet of Things Industrial Park, Dongkeng Community, Fenghuang Street, Guangming District, Shenzhen, Address of Applicant..... Guangdong, China Shenzhen Ajazz Tongchuang Electronic Technology Co., Ltd. Manufacturer..... 2104-1, Block A, CIMC Low Orbit Satellite Internet of Things Industrial Park, Dongkeng Community, Fenghuang Street, Guangming District, Shenzhen, Address of Manufacturer.....: Guangdong, China Product Name..... Mouse Brand Name..... AIAZZ Main Model..... AM3 MAX, Series Models..... AM3, AM3 PRO, AM3 PRO M FCC Part 15 Subpart C ANSI C63.4-2014 Test Standard..... ANSI C63.10-2013 Date of Test: 2024-09-12 to 2024-09-18 Test Result...... PASS

(Walker Wu)

(Lieber Ouyang)

Authorized Signatory..... (Lahm Peng)

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.. All test data presented in this test report is only applicable to presented test sample.

FCC Test Report Page 2 of 26

CONTENTS

1. General Information	5
1.1 Product Information	5
1.2 Test Setup Information	
1.3 Compliance Standards	7
1.4 Test Facilities	7
1.5 List of Measurement Instruments	8
1.6 Measurement Uncertainty	9
2. Summary of Test Results	10
3. Antenna Requirement	11
3.1 Standard and Limit	
3.2 Test Result	
4. Conducted Emissions	
4.1 Standard and Limit	12
4.2 Test Procedure	
4.3 Test Data and Results	13
5. Radiated Emissions	16
5.1 Standard and Limit	16
5.2 Test Procedure	16
5.3 Test Data and Results	18
6. Band-edge Emissions	23
6.1 Standard and Limit	23
6.2 Test Procedure	23
6.3 Test Data and Results	23
7. Occupied Bandwidth	25
7.1 Standard and Limit	
7.2 Test Procedure	
7.3 Test Data and Results	

Revision History

Revision	Issue Date	Description	Revised By
V1.0	2024-09-23	Initial Release	Lahm Peng

FCC Test Report Page 4 of 26

1. General Information

1.1 Product Information

Product Name:	Mouse
Trade Name:	AJAZZ
Main Model:	AM3 MAX
Series Models:	AM3, AM3 PRO, AM3 PRO M
Rated Voltage:	DC 3.7V by battery, USB 5V charging
Battery:	DC 3.7V, 350mAh
Test Sample No:	SSP24090122-1
Hardware Version:	1.0
Software Version:	1.0

Report No: SSP24090122-2E

Note 1: The test data is gathered from a production sample, provided by the manufacturer.

Note 2: The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.

Wireless Specification	
Wireless Standard:	2.4GHz RF
Operating Frequency:	2402MHz ~2480MHz
Max. Field Strength:	93.19dBuV/m
Quantity of Channel:	40
Channel Separation:	2MHz
Modulation:	GFSK
Antenna Gain:	2.34dBi
Type of Antenna:	PCB Antenna
Type of Device:	☑ Portable Device ☐ Mobile Device ☐ Modular Device

FCC Test Report Page 5 of 26

1.2 Test Setup Information

List of Test Modes							
Test Mode	De	escription		Remark			
TM1	Tra	nsmitting		2402/2440/24	80MHz		
TM2	C	Charging		AC 120V/60	OHz		
-		-		-			
List and Detail	ls of Auxiliary	Cable					
Descrip	otion	Length (cm)		Shielded/Unshielded	With/Without Ferrite		
-		-		-	-		
-		-		-	-		
List and Detail	List and Details of Auxiliary Equipment						
Descrip	otion	Manufacturer		Manufacturer		Model	Serial Number
Adap	ter	UGREEN		UGREEN		CD226	10375
-		-		-	-		

List of Chann	nels						
No. of	Frequency	No. of	Frequency	No. of	Frequency	No. of	Frequency
Channel	(MHz)	Channel	(MHz)	Channel	(MHz)	Channel	(MHz)
01	2402	21	2422	41	2442	61	2462
02	2403	22	2423	42	2443	62	2463
03	2404	23	2424	43	2444	63	2464
04	2405	24	2425	44	2445	64	2465
05	2406	25	2426	45	2446	65	2466
~	~	~	~	~	~	~	~
16	2417	36	2437	56	2457	76	2477
17	2418	37	2438	57	2458	77	2478
18	2419	38	2439	58	2459	78	2479
19	2420	39	2440	59	2460	79	2480
20	2421	40	2441	60	2461		

FCC Test Report Page 6 of 26

1.3 Compliance Standards

Compliance Standards		
ECC Don't 15 Colon out C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,	
FCC Part 15 Subpart C	Intentional Radiators	
All measurements contained in	this report were conducted with all above standards	
According to standards for te	st methodology	
ECC Dout 15 Culmout C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,	
FCC Part 15 Subpart C	Intentional Radiators	
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions	
ANSI C05.4-2014	from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.	
ANCI CC2 10 2012	American National Standard of Procedures for Compliance Testing of Unlicensed	
ANSI C63.10-2013	Wireless Devices	
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which		
result is lowering the emission, should be checked to ensure compliance has been maintained.		

Report No: SSP24090122-2E

1.4 Test Facilities

	Shenzhen CCUT Quality Technology Co., Ltd.
Laboratory Name:	1F, Building 35, Changxing Technology Industrial Park, Yutang Street,
	Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6893.01
FCC Registration No:	583813
ISED Registration No.:	CN0164
All massurament facilities i	used to collect the measurement data are located at 1F Ruilding 35 Changying

All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.

FCC Test Report Page 7 of 26

1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
	Conducted Emissions				
AMN	ROHDE&SCHWARZ	ENV216	101097	2024-08-07	2025-08-06
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2024-08-07	2025-08-06
Test Cable	N/A	Cable 5	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A
		Radiated Emission	is		
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2024-08-07	2025-08-06
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2024-08-07	2025-08-06
Amplifier	SCHWARZBECK	BBV 9743B	00251	2024-08-07	2025-08-06
Amplifier	HUABO	YXL0518-2.5-45		2024-08-07	2025-08-06
Amplifier	COM-MW	DLAN-18G-4G-02	10229104	2024-08-07	2025-08-06
Loop Antenna	DAZE	ZN30900C	21104	2024-08-03	2025-08-02
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2024-08-03	2025-08-02
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2024-08-03	2025-08-02
Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2024-08-03	2025-08-02
Attenuator	QUANJUDA	6dB	220731	2024-08-07	2025-08-06
Test Cable	N/A	Cable 1	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 2	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 3	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 4	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 8	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 9	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A
Conducted RF Testing					
RF Test System	MWRFTest	MW100-RFCB	220418SQS-37	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2024-08-07	2025-08-06
RF Test Software	MWRFTest	MTS 8310	N/A	N/A	N/A
Laptop	Lenovo	ThlnkPad E15 Gen 3	SPPOZ22485	N/A	N/A
DUT Test Software	JL Software	FCC_assist_1.0.4	N/A	N/A	N/A

Report No: SSP24090122-2E

FCC Test Report Page 8 of 26

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
Radiated Emissions	9kHz ~ 30MHz	±2.88 dB
	30MHz ~ 1GHz	±3.32 dB
	1GHz ~ 18GHz	±3.50 dB
	18GHz ~ 40GHz	±3.66 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %

Report No: SSP24090122-2E

FCC Test Report Page 9 of 26

2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.203	Antenna Requirement	Passed
FCC Part 15.207	Conducted Emissions	Passed
FCC Part 15.209, 15.249(a)&(d)	Radiated Emissions	Passed
FCC Part 15.249(d)	Band-edge Emissions	Passed
FCC Part 15.215(c)	Occupied Bandwidth	Passed

Passed: The EUT complies with the essential requirements in the standard

Failed: The EUT does not comply with the essential requirements in the standard

N/A: Not applicable

FCC Test Report Page 10 of 26

3. Antenna Requirement

3.1 Standard and Limit

According to FCC 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.

Report No: SSP24090122-2E

3.2 Test Result

This product has an PCB antenna, fulfill the requirement of this section.

FCC Test Report Page 11 of 26

4. Conducted Emissions

4.1 Standard and Limit

According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

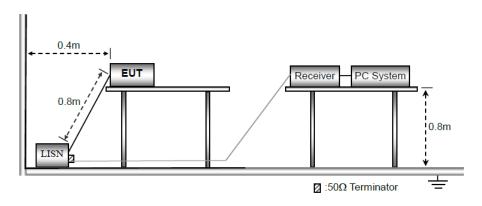
Frequency of Emission	Conducted emissions (dBuV)		
(MHz)	Quasi-peak	Average	
0.15-0.5	66 to 56	56 to 46	
0.5-5	56	46	
5-30	60	50	

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz

Note 2: The lower limit applies at the band edges

4.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.2.



Test Setup Block Diagram

- a) The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
- b) The following is the setting of the receiver

Attenuation: 10dB

Start Frequency: 0.15MHz Stop Frequency: 30MHz IF Bandwidth: 9kHz

c) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

FCC Test Report Page 12 of 26

d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

Report No: SSP24090122-2E

- e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- f) LISN is at least 80 cm from nearest part of EUT chassis.
- g) For the actual test configuration, please refer to the related Item photographs of the test setup.

4.3 Test Data and Results

All of the modes have been tested, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

FCC Test Report Page 13 of 26

Test F	Plot	s and Data	of Cor	nduc	ted I	Emi	ssi	ons	S																
Teste	d N	Mode: TM2																							
Test \	Volt	age:		AC	C 120V/60Hz																				
Test F	Pov	ver Line:		Neu	Neutral																				
Rema	ırk																								
90.0		dBu∀		1																					
							Τ																		7
80	_						+	H																	-
70	L						_																		_
	-																	FC	C Pa	nt15	CE-CI	lass B	QP		
60	L			-			+									Г									1
50	H	Ž				+	+	\mathbb{H}										FC	C Pa	nt15	CE-C	lass B	_AV	;	-
40	L		3				5 X																		
	ĮΛ	/14/ _{WY} /1	W	ا ۱۰۰۱		J,	١X		1.3	, K					q									11	
30	u_	3	4	₩₩	, \ \\	4,A	/	e Ma	JANA, AN	W	WHA!	white the state of	tall	ntl			l II.		\perp	†.		ملالا		Markey	
20	⊭	M	~~~ *	 Λ.,	~~d	du	↓		Andrew !	k U	Ma	A ANIMA	MUU	W	Mann	W	₩				Hidde	phylligh.	Minda.	12	4 .
10											***Video	mylmyn	may	hadan da	10					'		لادا	المالية والمالية		peak
															and referred	m"WAT	Ակվե	end de sono	K/ML	ul-dele _{st} ijk	and the second	ANNI PIN	la de se la	ATTIVE THIRT	™AVG
0							+	H							+										1
-10 0	 .150				F00							(MHz)			Ш_	000	<u> </u>							30.0	 100
U.	130			U.	500							(MIZ)			5	.000								30.0	JUU
No.		Frequency (MHz)		ding		act (dB)			Leve dBu\			mit BuV)	Mar (dl		Detecto	or P	P/F	F	Rem	ark					
1 *		0.1815	40	.03	(9.23	3		49.26	3	64	.42	-15	.16	QP		Р								
2	\perp	0.1815		.36	-	9.23		-	24.59		_	.42	-29		AVG	_	Р								
3	_	0.3930		.91		9.38			39.29			3.00	-18		QP		Р								
5	+	0.3930 0.8520	_	.71	_	9.38 9.39		-	23.09 37.53			3.00 5.00	-24		AVG QP	_	P P								
6	+	0.8520		.14 .59	-	9.39		-	37.58 21.98			5.00	-18 -24	\rightarrow	AVG	_	P								
7	+	1.2750		.40	_	9.44		-	33.84			5.00	-22		QP	_	Р								
8	\dagger	1.2750		.97	_	9.44		-	21.4		_	5.00	-24	.59	AVG		Р								
9		4.1010	19	.47	9	9.54	1		29.0 <i>°</i>	1	56	5.00	-26	.99	QP		Р								
10		4.1010		93	_	9.54		-	10.47			00.	-35	_	AVG	-	Р								
11	4	22.4070		.09		0.0		-	31.1			0.00	-28		QP	_	Р								
12		22.4070	4.	20	1	0.0	2		14.22	2	50	0.00	-35	.78	AVG		Р								

FCC Test Report Page 14 of 26

Test Plots and Data of Conducted Emissions											
Teste	Mode: TM2										
Test \	/oltage:	AC 12	C 120V/60Hz								
Test I	Power Line:	Live									
Rema	mark:										
90.0	dBuV	I									
80											
70											
60									FCC Part15 CE-Class B_0	ĮP.	
		_							FCC Part15 CE-Class B_/	w _e	
50	1									1	
40	MALA	ที่		\$					11		
30	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Manager		HALL MARKET	 	7		11.11.			
20	2	/st		, ,,,	MONTH MAN					Milkowsky	
20			recording agreement to the best benefit	market and a	and hand hand the delice	8	k-twillt-A4-AIA-III			peak	
10						Andrew Property				AVG	
0											
-10											
0.	150	0.50	10		(MHz)	-	5.0	000		30.000	
No.		eading dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark		
1		35.43	9.43	44.86	62.91	-18.05	QP	Р			
2		13.37	9.43	22.80	52.91	-30.11	AVG	Р			
3		32.04	9.57	41.61	58.00	-16.39	QP	Р			
5 *		12.81 31.03	9.57 9.62	22.38 40.65	48.00 56.00	-25.62 -15.35	AVG QP	P			
6		16.47	9.62	26.09	46.00	-19.91	AVG	P			
7		20.86	9.68	30.54	56.00	-25.46	QP	Р			
8	2.7060	3.09	9.68	12.77	46.00	-33.23	AVG	Р			
9	10.2615	23.03	9.75	32.78	60.00	-27.22	QP	Р			
10	10.2615	4.48	9.75	14.23	50.00	-35.77	AVG	Р			
11	14.3880	31.22	9.72	40.94	60.00	-19.06	QP	Р			

FCC Test Report Page 15 of 26

5. Radiated Emissions

5.1 Standard and Limit

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Report No: SSP24090122-2E

Fundamental fraguency	Field strength of fundamental	Field strength of Harmonics (micro-volts/meter)		
Fundamental frequency	(milli-volts/meter)			
902-928 MHz	50	500		
2400-2483.5 MHz	50	500		
5725-5875 MHz	50	500		
24.0-24.25 GHz	250	2500		

According to §15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Engage are of omiggion (MHz)	Radiated emissions (3m)					
Frequency of emission (MHz)	Quasi-peak (dBuV/m)					
30-88	40					
88-216	43.5					
216-960	46					
Above 960	54					
Note: The more stringent limit applies at transition frequencies.						

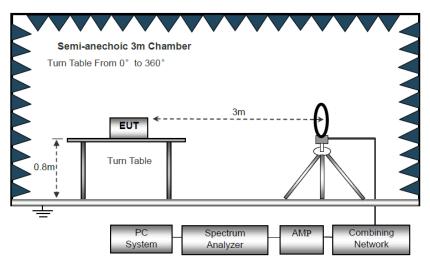
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

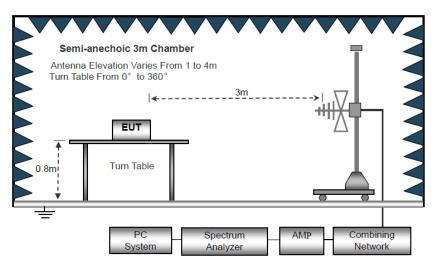
5.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.

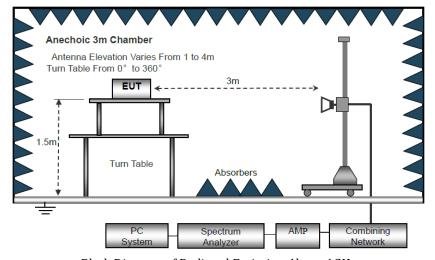
FCC Test Report Page 16 of 26



Block Diagram of Radiated Emission Below 30MHz



Block Diagram of Radiated Emission From 30MHz to 1GHz



Block Diagram of Radiated Emission Above 1GHz

FCC Test Report Page 17 of 26

a) The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range blew 1GHz, and

Report No: SSP24090122-2E

- 1.5m above ground plane for test frequency range above 1GHz.
- b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- c) Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \ge 1$ GHz, 100 kHz for f < 1 GHz, 10kHz for f < 30MHz

VBW ≥ RBW, Sweep = auto

Detector function = peak

Trace = max hold

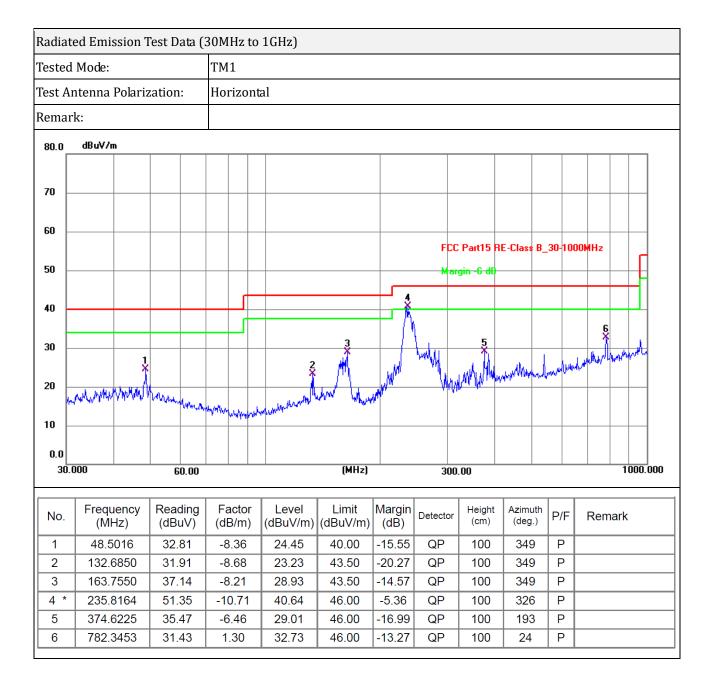
- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.
- f) For the actual test configuration, please refer to the related item EUT test photos.

5.3 Test Data and Results

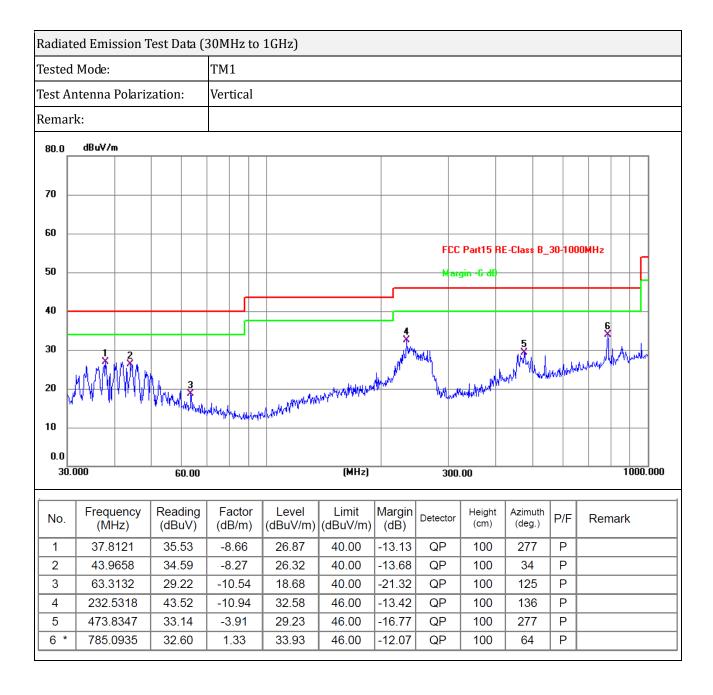
Based on all tested data, the EUT complied with the FCC Part 15.249 standard limit for a wireless device, and with the worst case GFSK_2402MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

FCC Test Report Page 18 of 26



FCC Test Report Page 19 of 26



FCC Test Report Page 20 of 26

Radiated Emi	ission Test Dat	a (Above 1GH	z)								
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector				
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV				
Lowest Channel (2402MHz)											
2402	111.74	-20.89	90.85	114	-23.15	Н	PK				
2402	88.18	-20.89	67.29	94	-26.71	Н	AV				
4804	77.62	-14.72	62.9	74	-11.1	Н	PK				
4804	60.42	-14.72	45.7	54	-8.3	Н	AV				
7206	65.53	-8.41	57.12	74	-16.88	Н	PK				
7206	47.98	-8.41	39.57	54	-14.43	Н	AV				
2402	114.08	-20.89	93.19	114	-20.81	V	PK				
2402	92.15	-20.89	71.26	94	-22.74	V	AV				
4804	78.32	-14.72	63.6	74	-10.4	V	PK				
4804	59.64	-14.72	44.92	54	-9.08	V	AV				
7206	65.04	-8.41	56.63	74	-17.37	V	PK				
7206	45.85	-8.41	37.44	54	-16.56	V	AV				
			Middle Chann	el (2440MHz)							
2440	112	-20.7	91.3	114	-22.7	Н	PK				
2440	97.81	-20.7	77.11	94	-16.89	Н	AV				
4880	76.42	-14.64	61.78	74	-12.22	Н	PK				
4880	60.76	-14.64	46.12	54	-7.88	Н	AV				
7320	64.33	-8.28	56.05	74	-17.95	Н	PK				
7320	50.79	-8.28	42.51	54	-11.49	Н	AV				
2440	113.85	-20.7	93.15	114	-20.85	V	PK				
2440	95.51	-20.7	74.81	94	-19.19	V	AV				
4880	75.2	-14.64	60.56	74	-13.44	V	PK				
4880	57.84	-14.64	43.2	54	-10.8	V	AV				
7320	64.64	-8.28	56.36	74	-17.64	V	PK				
7320	50.78	-8.28	42.5	54	-11.5	V	AV				

FCC Test Report Page 21 of 26

Radiated Emission Test Data (Above 1GHz)											
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector				
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV				
Highest Channel (2480MHz)											
2480	100.6	-20.55	80.05	114	-33.95	Н	PK				
2480	94.64	-20.55	74.09	94	-19.91	Н	AV				
4960	79.86	-14.53	65.33	74	-8.67	Н	PK				
4960	60.78	-14.53	46.25	54	-7.75	Н	AV				
7440	63.75	-8.13	55.62	74	-18.38	Н	PK				
7440	49.43	-8.13	41.3	54	-12.7	Н	AV				
2480	102.23	-20.55	81.68	114	-32.32	V	PK				
2480	100.39	-20.55	79.84	94	-14.16	V	AV				
4960	74.71	-14.53	60.18	74	-13.82	V	PK				
4960	59.19	-14.53	44.66	54	-9.34	V	AV				
7440	64.65	-8.13	56.52	74	-17.48	V	PK				
7440	50.67	-8.13	42.54	54	-11.46	V	AV				

Note 1: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

Note 2: Testing is carried out with frequency rang 9kHz to the tenth harmonics. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

Note 3: Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded report, 18GHz-26GHz not recorded for no spurious point have a margin of less than 6 dB with respect to the limits.

FCC Test Report Page 22 of 26

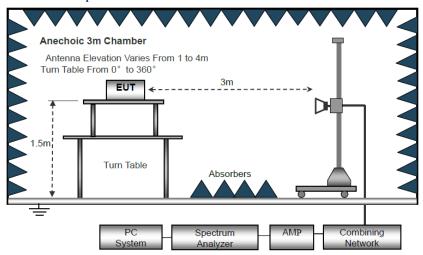
6. Band-edge Emissions

6.1 Standard and Limit

According to §15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

6.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6 and section 6.10.



Test Setup Block Diagram

As the radiated emissions testing, set the Lowest and Highest Transmitting Channel, observed the outside band of 2310MHz to 2400MHz and 2483.5MHz to 2500MHz, than mark the higher-level emission for comparing with the FCC rules.

6.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.249 standard limit, and with the worst case as below:

FCC Test Report Page 23 of 26

Test Mode	Frequency	Limit	Result
rest Mode	MHz	dBuV/dBc	Result
	2310.00	<54 dBuV	Pass
Lowest	2390.00	<54 dBuV	Pass
	2400.00	<54 dBuV	Pass
Highort	2483.50	<54 dBuV	Pass
Highest	2500.00	<54 dBuV	Pass

Radiated Em	ission Test Dat	ta (Band edge o	emissions)								
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector				
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV				
Lowest Channel (2402MHz)											
2310	65.1	-21.34	43.76	74	-30.24	Н	PK				
2310	51.65	-21.34	30.31	54	-23.69	Н	AV				
2390	67.42	-20.96	46.46	74	-27.54	Н	PK				
2390	50.9	-20.96	29.94	54	-24.06	Н	AV				
2400	70.94	-20.91	50.03	74	-23.97	Н	PK				
2400	56.1	-20.91	35.19	54	-18.81	Н	AV				
2310	66.48	-21.34	45.14	74	-28.86	V	PK				
2310	51	-21.34	29.66	54	-24.34	V	AV				
2390	66.91	-20.96	45.95	74	-28.05	V	PK				
2390	49.71	-20.96	28.75	54	-25.25	V	AV				
2400	73.73	-20.91	52.82	74	-21.18	V	PK				
2400	55.46	-20.91	34.55	54	-19.45	V	AV				
			Highest Chanr	nel (2480MHz)							
2483.50	68.4	-20.51	47.89	74	-26.11	Н	PK				
2483.50	56.2	-20.51	35.69	54	-18.31	Н	AV				
2500	68.96	-20.43	48.53	74	-25.47	Н	PK				
2500	51.28	-20.43	30.85	54	-23.15	Н	AV				
2483.50	69.77	-20.51	49.26	74	-24.74	V	PK				
2483.50	55.17	-20.51	34.66	54	-19.34	V	AV				
2500	65.14	-20.43	44.71	74	-29.29	V	PK				
2500	49.97	-20.43	29.54	54	-24.46	V	AV				

Remark: Level = Reading + Factor, Margin = Level - Limit

FCC Test Report Page 24 of 26

7.1 Standard and Limit

According to 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. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

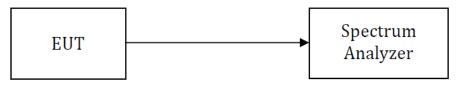
Report No: SSP24090122-2E

7.2 Test Procedure

According to the ANSI 63.10-2013, section 6.9, the emission bandwidth test method as follows.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 30kHz, VBW = 100kHz, Sweep = Auto.
- 4) Set a reference level on the measuring instrument equal to the highest peak value.
- 5) Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- 6) Repeat the above procedures until all frequencies measured were complete.

All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.



Test Setup Block Diagram

7.3 Test Data and Results

Test Channel	Test Frequency	20dB Bandwidth(MHz)	99% Bandwidth(MHz)
Lowest Channel	2402MHz	1.495	1.714
Middle Channel	2440MHz	1.498	1.716
Highest Channel	2480MHz	1.495	1.708

FCC Test Report Page 25 of 26



***** END OF REPORT *****

FCC Test Report Page 26 of 26