





- Product Trade mark Model/Type reference Serial Number Report Number FCC ID Date of Issue Test Standards Test result
- 2.4G Wireless Silent Click Mouse
- MINISO
- : M09
- : N/A
- EED32N81434801
- : 2ART4-M09
- : Feb. 11, 2022
- : 47 CFR Part 15 Subpart C



Prepared for:

MINISO Corporation Room 2501, No. 486 Heye Square, Kangwang Middle Road, Liwan District, Guangzhou, Guangdong, China

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Smill mark Compiled by: Reviewed by: Smile Zhong Mark Chen David Wang Feb. 11, 2022 Date: **David Wang** Check No.::6454241221 Report Sea





Page 2 of 35

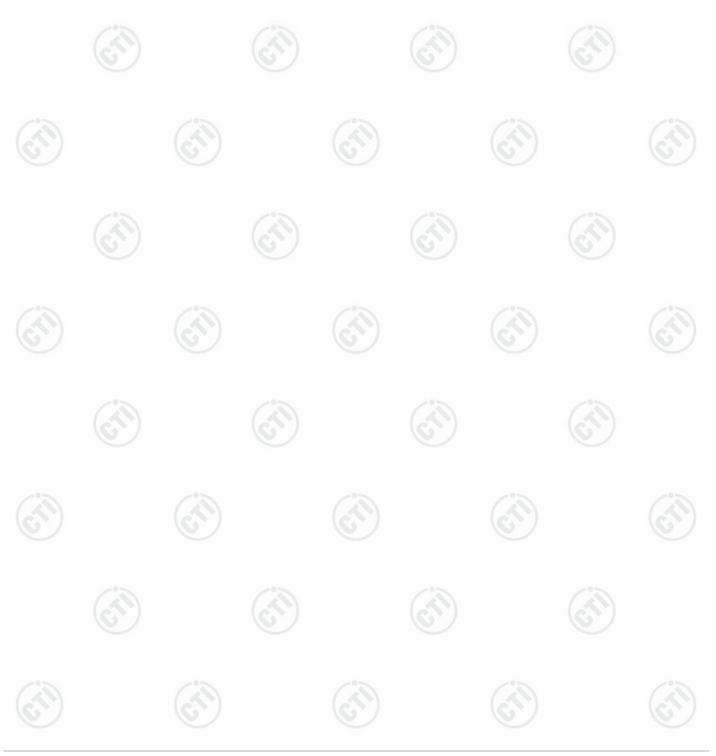
1 COVER PAGE		••••••	
2 CONTENT			
3 VERSION			
4 TEST SUMMARY	<u> </u>		
5 GENERAL INFORMATION			
 5.1 CLIENT INFORMATION 5.2 GENERAL DESCRIPTION OF EUT 5.3 TEST CONFIGURATION 5.4 TEST ENVIRONMENT 5.5 DESCRIPTION OF SUPPORT UNIT 5.6 TEST LOCATION 5.7 MEASUREMENT UNCERTAINTY (5) 	- rs 95% confidence levels, k	=2)	
6 EQUIPMENT LIST 7 TEST RESULTS AND MEASURE			
 7.1 ANTENNA REQUIREMENT 7.2 MAXIMUM CONDUCTED OUTPUT 7.3 DTS BANDWIDTH 7.4 MAXIMUM POWER SPECTRAL DI 7.5 BAND EDGE MEASUREMENTS AN 7.6 RADIATED SPURIOUS EMISSION 	POWER ENSITY ID CONDUCTED SPURIOUS EI	MISSION	
8 APPENDIX A			





3 Version

	Version No.	Date	Description	
	00	Feb. 11, 2022	Original	
-		1		12
$\langle \cdot \rangle$				67)





4 Test Summary



Page 4 of 35

Test Item	Test Requirement	Result	
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS	
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	N/A	
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS	
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	PASS	
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	PASS	
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
Radiated Spurious Emission & Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS	

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.





5 General Information

5.1 Client Information

Applicant:	MINISO Corporation
Address of Applicant:	Room 2501, No. 486 Heye Square, Kangwang Middle Road, Liwan District, Guangzhou, Guangdong, China
Manufacturer:	Dongguan Eranode electronics limited
Address of Manufacturer:	building 2, No.17 DAHUAN Road, Dalingshan Town, Dongguan City, Guangdong Province
Factory:	Dongguan Eranode electronics limited
Address of Factory:	building 2, No.17 DAHUAN Road, Dalingshan Town, Dongguan City, Guangdong Province

5.2 General Description of EUT

Product Na	me:	2.4G Wir	eless Silent C	lick Mouse					
Model No.:		M09							
Trade mark	13	MINISO	MINISO						
Product Typ	be:	🗌 Mobil	☐ Mobile						
Test Softwa	are of EUT:	662x_FC	C_Rev1.4d		U		e		
Operation F	requency:	2402MH	z~2480MHz						
Modulation	Туре:	GFSK		-07		~~~			
Transfer Ra	ate:	🛛 1Mbps	s 🗌 2Mbps						
Number of	Channel:	40		e	/	e	/		
Antenna Ty	pe:	PCB Ant	enna						
Antenna Ga	ain:	-1.52 dB	Bi						
Power Supp	oly:	Battery 1	xAA 1.5V						
Test Voltag		DC 1.5V	DC 1.5V						
Sample Re	ceived Date:	Dec. 27, 2021							
Sample tes	ted Date:	Dec. 27,	2021 to Jan. ′	10, 2022					
Operation F	requency eac	h of channe					<u></u>		
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency		
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz		
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz		
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz		
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz		
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz		
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz		
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz		
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz		
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz		
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz		
				Y			(3		





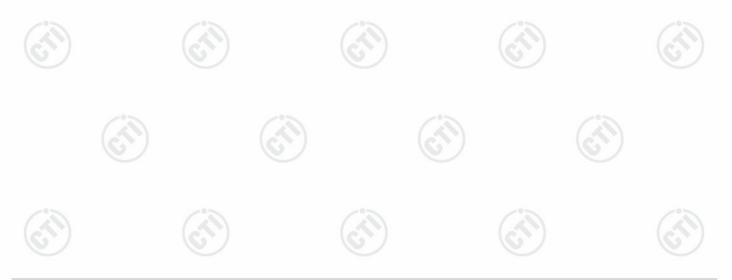


Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

	Chan	nel		Frequ	ency		
	The lowest ch	annel (CH0)		2402	MHz		
	The middle cha	annel (CH19) 2440		24401	MHz		
Т	The highest channel (CH39)			2480MHz			
5.3 Test Co	nfiguratio	n	1		12		
EUT Test Softwa	re Settings:						
Software:		662x_FCC_	662x_FCC_Rev1.4d (manufacturer declare)				
EUT Power Grade	; :	Class2 (Pov selected)	Class2 (Power level is built-in set parameters and cannot be changed an selected)				
Use test software	to set the low	oot froguopov	. الما مع الما الما الم الما مع الم				
transmitting of the		est inequency	, the middle frequei	ncy and the highest i	frequency keep		
	EUT.	ulation	Rate	Channel			
transmitting of the	EUT. Modu		-(3)				
transmitting of the Test Mode	EUT. Modu GF	ulation	Rate	Channel	Frequency(MHz		
transmitting of the Test Mode Mode a	EUT. Modu GF	ulation FSK	Rate 1Mbps	Channel CH0	Frequency(MHz 2402		
transmitting of the Test Mode Mode a Mode b	EUT. Modu GF GF	ulation =SK =SK =SK	Rate 1Mbps 1Mbps	Channel CH0 CH19	Frequency(MHz 2402 2440		
transmitting of the Test Mode Mode a Mode b Mode c 5.4 Test En	EUT. Modu GF GF	ulation =SK =SK =SK t	Rate 1Mbps 1Mbps	Channel CH0 CH19	Frequency(MHz 2402 2440		

	Radiated Spurious Emissions:					
(2)	Temperature:	22~25.0 °C				
2	Humidity:	50~55 % RH				
	Atmospheric Pressure:	1010mbar				
	RF Conducted:					
	Temperature:	22~25.0 °C		2		
	Humidity:	50~55 % RH)		
	Atmospheric Pressure:	1010mbar				





5.5 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	DELL	Latitude 3490	FCC&CE	СТІ
	<">>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10	10

5.6 Test Location

All tests were performed at:

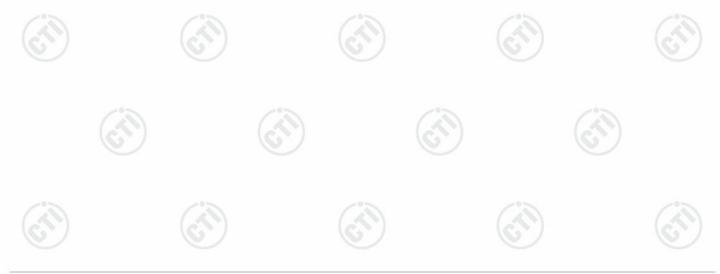
Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385 No tests were sub-contracted.

FCC Designation No.: CN1164

5.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	ltem	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2		0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-26.5GHz)
57)	(C [*])	3.3dB (9kHz-30MHz)
3	Padiated Spurious amission test	4.3dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%





6 Equipment List

		RF tes	st system		
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-28-2020 12-24-2021	12-27-2021 12-23-2022
Signal Generator	Keysight	N5182B	MY53051549	12-28-2020 12-24-2021	12-27-2021 12-23-2022
Signal Generator	Agilent	N5181A	MY46240094	12-28-2020 12-24-2021	12-27-2021 12-23-2022
DC Power	Keysight	E3642A	MY56376072	12-28-2020 12-24-2021	12-27-2021 12-23-2022
Power unit	R&S	OSP120	101374	12-28-2020 12-24-2021	12-27-2021 12-23-2022
RF control unit	JS Tonscend	JS0806-2	158060006	12-28-2020 12-24-2021	12-27-2021 12-23-2022
Communication test set	R&S	CMW500	120765	08-04-2021	08-03-2022
high-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-28-2020 12-24-2021	12-27-2021 12-23-2022
Temperature/	biaozhi	HM10	1804186	06-23-2021	06-22-2022
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	2.6.77.0518	-	<u>-</u>













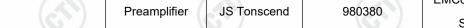




Page 9 of 35

3M Semi/full-anechoic Chamber						
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
3M Chamber &					0	
Accessory	TDK	SAC-3		05/24/2019	05/23/2022	
Equipment	0	13	<u>.</u>	(i)	0	
Receiver	R&S	ESCI7	100938-003	10/14/2021	10/13/2022	
TRILOG		\sim				
Broadband	schwarzbeck	VULB 9163	9163-618	05/23/2022	05/22/2022	
Antenna	12			/	10	
Multi device	G	NCD/070/1	G			
Controller	maturo	0711112				
		BBHA		0.4.4.5.100.0.4	0.4.4.4/0.00.4	
Horn Antenna	ETS-LINGREN	9120D	9120D-1869	04/15/2021	04/14/2024	
Spectrum Analyzer	R&S	FSP40	100416	04/29/2021	04/28/2022	
Microwave	A	04400	2000400405	00/00/0004	00/00/0000	
Preamplifier	Agilent	8449B	3008A02425	06/23/2021	06/22/2022	

		3M full-anechoi	c Chamber		
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	I IIII	@
Receiver	Keysight	N9038A	MY57290136	03-04-2021	03-03-2022
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-04-2021	03-03-2022
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-04-2021	03-03-2022
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS- LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980597	05-20-2021	05-19-2022
Preamplifier	EMCI	EMC001330	980563	04-15-2021	04-14-2022
Preamplifier	JS Tonscend	980380	EMC051845 SE	12-31-2020 12-24-2021	12-30-2021 12-23-2022









Page 10 of 35

Communication test set	R&S	CMW500	102898	12-31-2020 12-24-2021	12-30-2021 12-23-2022
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-16-2021	04-15-2022
Fully Anechoic Chamber	ток	FAC-3		01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM- 2.50M	394812-0001	- /	- 65
Cable line	Times	SFT205-NMSM- 2.50M	394812-0002		<u> </u>
Cable line	Times	SFT205-NMSM- 2.50M	394812-0003		- 6
Cable line	Times	SFT205-NMSM- 2.50M	393495-0001		
Cable line	Times	EMC104-NMNM- 1000	SN160710	(<u>-</u>
Cable line	Times	SFT205-NMSM- 3.00M	394813-0001		-
Cable line	Times	SFT205-NMNM- 1.50M	381964-0001	(A)	- 6
Cable line	Times	SFT205-NMSM- 7.00M	394815-0001		
Cable line	Times	HF160-KMKM- 3.00M	393493-0001	(<u>- (S</u>







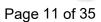






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7 Test results and Measurement Data

7.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 requirement:

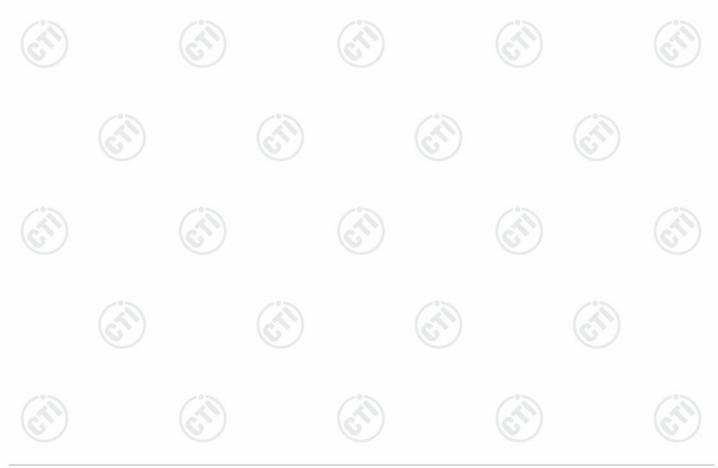
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:	Please see Internal photos
The enterna is DCP Antenn	a. The heat ages goin of the entenne is 1.52 dPi

The antenna is PCB Antenna. The best case gain of the antenna is -1.52 dBi.





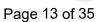


7.2 Maximum Conducted Output Power

	Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)	
	Test Method:	ANSI C63.10 2013	
S	Test Setup:		(S)
		Control Control Computer Power Supply TemPERATURE CABNET Table	
		Remark: Offset=Cable loss+ attenuation factor.	
	Test Procedure:	 a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level. 	
	Limit:	30dBm	
U	Test Mode:	Refer to clause 5.3	6
	Test Results:	Refer to Appendix A	







7.3 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Computer Computer Computer Power Supply TeMPERATURE CABINET Table
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	 a) Set RBW = 100 kHz. b) Set the VBW ≥[3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
Limit:	≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix A







Page 14 of 35

7.4 Maximum Power Spectral Density

	Test Requirement:	47 CFR Part 15C Section 15.247 (e)
	Test Method:	ANSI C63.10 2013
3	Test Setup:	
		Control Computer Computer Suppr Power Suppr TemPerature cabnet Table
		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	 a) Set analyzer center frequency to DTS channel center frequency. b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to 3 kHz < RBW < 100 kHz. d) Set the VBW > [3 × RBW]. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum amplitude level within the RBW. j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
	Limit:	≤8.00dBm/3kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix A



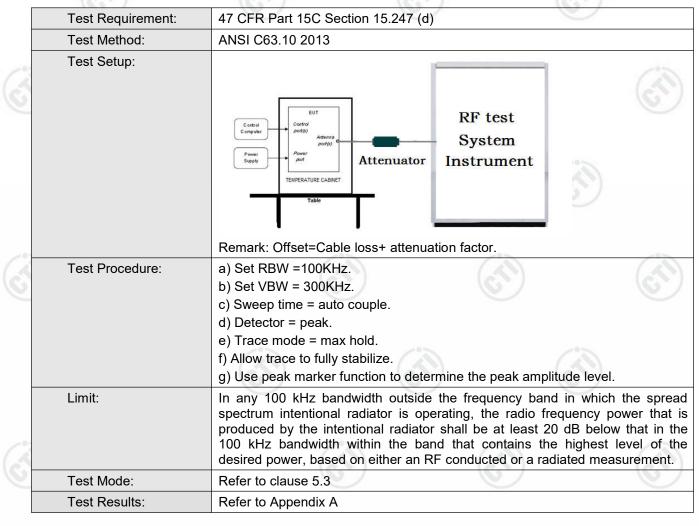






Page 15 of 35

7.5 Band Edge measurements and Conducted Spurious Emission









Page 16 of 35

7.6 Radiated Spurious Emission & Restricted bands

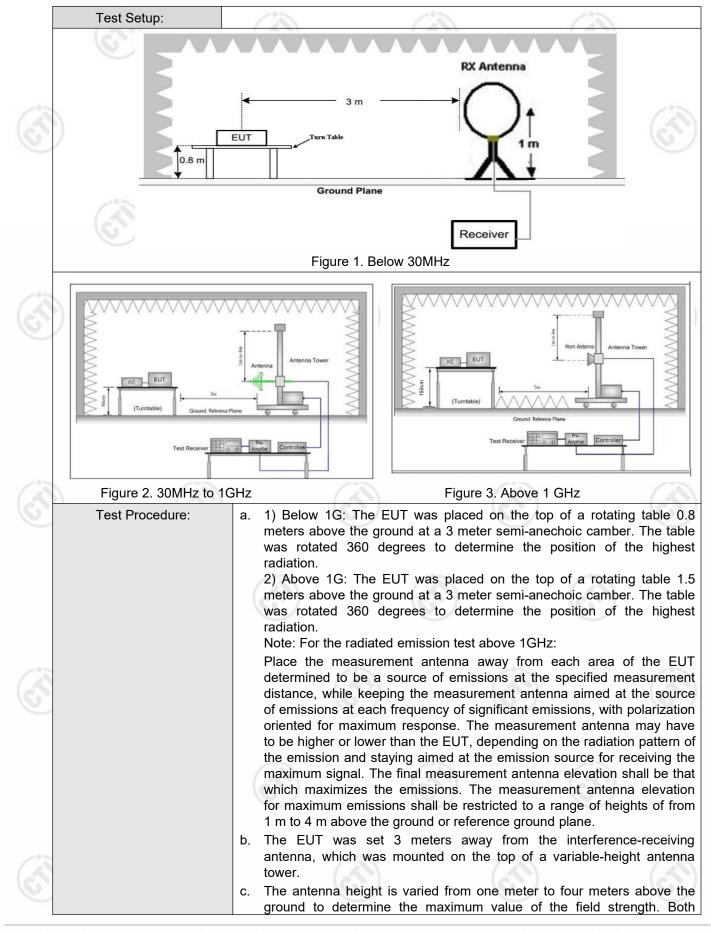
	Test Requirement:	47 CFR Part 15C Secti	on 1	15.209 and 15	.205		e		
	Test Method:	ANSI C63.10 2013							
-	Test Site:	Measurement Distance	: 3n	: 3m (Semi-Anechoic Chamber)					
	Receiver Setup:	Frequency	2	Detector	RBW	6	VBW	Remark	
9		0.009MHz-0.090MH	z	Peak	10kH:	z	30kHz	Peak	
		0.009MHz-0.090MH	z	Average	10kH	z	30kHz	Average	
		0.090MHz-0.110MH	z	Quasi-peak	10kH	z	30kHz	Quasi-peak	
		0.110MHz-0.490MH	z	Peak	10kH	z	30kHz	Peak	
		0.110MHz-0.490MH	z	Average	10kH:	z	30kHz	Average	
		0.490MHz -30MHz		Quasi-peak	10kH	z	30kHz	Quasi-peak	
		30MHz-1GHz		Quasi-peak	100 kH	Ιz	300kHz	Quasi-peak	
23			2	Peak	1MHz	z	3MHz	Peak	
3		Above 1GHz		Peak	1MHz	z	10kHz	Average	
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)		Remark	Measureme distance (n	
		0.009MHz-0.490MHz	2	400/F(kHz)	-		- 202	300	
		0.490MHz-1.705MHz	24	4000/F(kHz)	-		- (8)	30	
		1.705MHz-30MHz		30	-		<u>e</u>	30	
		30MHz-88MHz		100	40.0	G)uasi-peak	3	
-		88MHz-216MHz		150	43.5	G)uasi-peak	3	
		216MHz-960MHz	2	200	46.0	G)uasi-peak	3	
2		960MHz-1GHz	1	500	54.0	G)uasi-peak	3	
		Above 1GHz		500	54.0		Average	3	
		Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rac	20c equip	dB above the pment under t	maximum est. This p	pe	ermitted av	erage emissio	



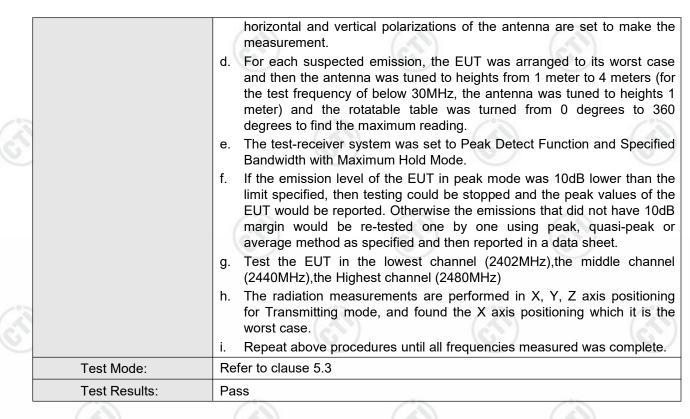




Page 17 of 35



【华测检测

















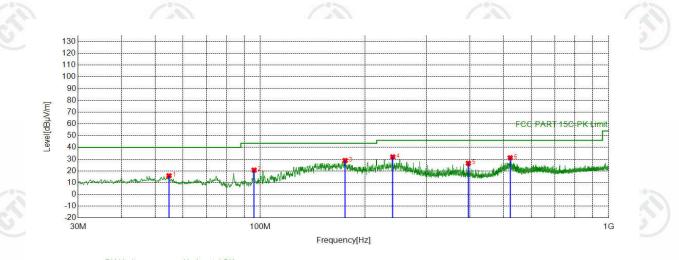
Page 19 of 35

Report No. : EED32N81434801

Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case highest channel of GFSK was recorded in the report.

Test Graph





	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/ m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	54.7375	-17.80	33.71	15.91	40.00	24.09	PASS	Horizontal	PK
3	2	96.0636	-19.08	39.76	20.68	43.50	22.82	PASS	Horizontal	PK
	3	175.3205	-20.12	48.95	28.83	43.50	14.67	PASS	Horizontal	PK
-	4	240.1230	-16.77	48.68	31.91	46.00	14.09	PASS	Horizontal	PK
	5	395.8236	-13.04	39.57	26.53	46.00	19.47	PASS	Horizontal	PK
	6	521.9362	-10.41	41.60	31.19	46.00	14.81	PASS	Horizontal	PK
	1			1						









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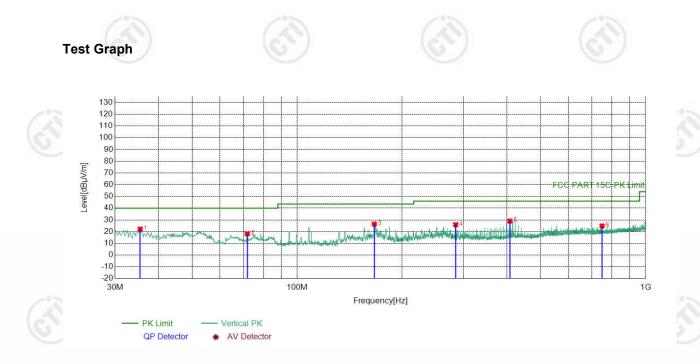


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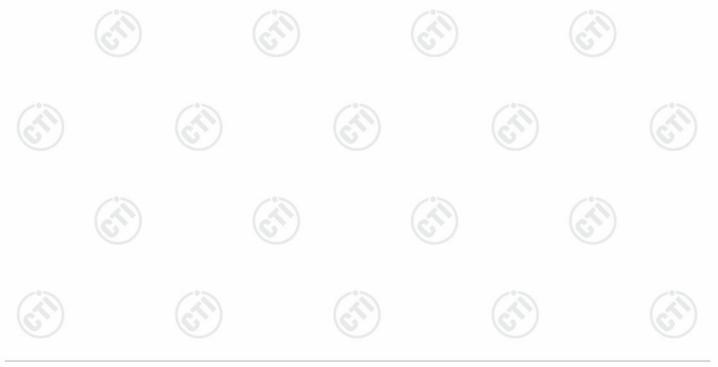


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Page 20 of 35



	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	35.4325	-19.47	41.64	22.17	40.00	17.83	PASS	Vertical	PK
	2	71.9082	-21.14	39.40	18.26	40.00	21.74	PASS	Vertical	PK
1	3	166.4926	-20.70	47.19	26.49	43.50	17.01	PASS	Vertical	PK
	4	285.0385	-15.83	41.73	25.90	46.00	20.10	PASS	Vertical	PK
_	5	407.6588	-12.77	41.82	29.05	46.00	16.95	PASS	Vertical	PK
	6	750.1030	-7.00	31.84	24.84	46.00	21.16	PASS	Vertical	PK





Radiated Spurious Emission above 1GHz:

Mode	:		BLE GFS	<pre>K Transm</pre>	itting	Channe	el:	2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV /m]	Limit [dBµV/m]	Margi n [dB]	Result	Polarity	Remark
1	1207.4207	0.82	42.82	43.64	74.00	30.36	Pass	Н	PK
2	1794.0794	3.26	41.88	45.14	74.00	28.86	Pass	Н	PK
3	4804.1203	-16.23	71.74	55.51	74.00	18.49	Pass	Н	PK
4	4805.1203	-16.23	65.61	49.38	54.00	4.62	Pass	Н	AV
5	7205.2804	-11.83	59.93	48.10	74.00	25.90	Pass	Н	PK
6	9277.4185	-7.93	52.22	44.29	74.00	29.71	Pass	Н	PK
7	12573.6382	-4.30	50.88	46.58	74.00	27.42	Pass	Н	PK
8	1443.2443	1.42	41.77	43.19	74.00	30.81	Pass	V	PK
9	1900.6901	4.03	41.26	45.29	74.00	28.71	Pass	V	PK
10	4804.1203	-16.23	64.84	48.61	74.00	25.39	Pass	V	PK
11	7207.2805	-11.83	56.96	45.13	74.00	28.87	Pass	V	PK
12	10379.4920	-6.32	50.91	44.59	74.00	29.41	Pass	V	PK
13	14411.7608	1.05	47.40	48.45	74.00	25.55	Pass	V	PK
G	•)		577	•	6	1		6	

Page 21 of 35

Mode	:		BLE GFSK Transmit		tting Channel:		:	2440 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/ m]	Limit [dBµV/m]	Margin [dB]	Resul t	Polarity	Remark
1	1146.2146	0.83	42.39	43.22	74.00	30.78	Pass	Н	PK
2	1955.4956	4.32	41.15	45.47	74.00	28.53	Pass	Н	PK
3	4879.1253	-16.21	71.40	55.19	74.00	18.81	Pass	Н	PK
4	4881.1254	-16.21	64.21	48.00	54.00	6.00	Pass	Н	AV
5	7319.2880	-11.66	58.11	46.45	74.00	27.55	Pass	Н	PK
6	9206.4138	-7.88	51.08	43.20	74.00	30.80	Pass	Н	PK
7	12776.6518	-4.34	51.61	47.27	74.00	26.73	Pass	Н	PK
8	1144.6145	0.83	42.98	43.81	74.00	30.19	Pass	V	PK
9	2022.1022	4.62	41.47	46.09	74.00	27.91	Pass	V	PK
10	4880.1253	-16.21	63.09	46.88	74.00	27.12	Pass	V	PK
11	7320.2880	-11.65	56.05	44.40	74.00	29.60	Pass	V	PK
12	9188.4126	-7.97	52.19	44.22	74.00	29.78	Pass	V	PK
13	12575.6384	-4.29	51.15	46.86	74.00	27.14	Pass	V	PK









Page 22 of 35

100 million (1990)	Contract of the second s					and the second se				
Mode	e:		BLE GFSH	K Transmi	tting	Channel:		2480 MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/ m]	Limit [dBµV/ m]	Margin [dB]	Result	Polarity	Remark	
1	1208.8209	0.82	43.51	44.33	74.00	29.67	Pass	Н	PK	1
2	1655.8656	2.65	41.41	44.06	74.00	29.94	Pass	Н	PK	
3	4959.1306	-15.98	72.63	56.65	74.00	17.35	Pass	Н	PK	
4	4961.1307	-15.97	66.26	50.29	54.00	3.71	Pass	Н	AV	
5	7439.2960	-11.34	55.53	44.19	74.00	29.81	Pass	Н	PK	1
6	10283.4856	-6.57	51.00	44.43	74.00	29.57	Pass	Н	PK]
7	12537.6358	-4.56	51.32	46.76	74.00	27.24	Pass	Н	PK]
8	1249.0249	0.93	42.67	43.60	74.00	30.40	Pass	V	PK	1
9	2148.1148	4.36	40.97	45.33	74.00	28.67	Pass	V	PK]
10	4959.1306	-15.98	63.13	47.15	74.00	26.85	Pass	V	PK]
11	7439.2960	-11.34	57.14	45.80	74.00	28.20	Pass	V	PK	
12	10312.4875	-6.44	50.49	44.05	74.00	29.95	Pass	V	PK	
13	13682.7122	-1.75	49.07	47.32	74.00	26.68	Pass	V	PK	Υ

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.











Restricted bands:

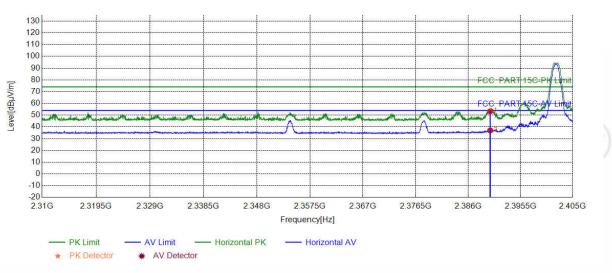




Test plot as follows:

Mode:	BLE GFSK Transmitting	Channel:	2402 MHz
Remark:		6)

Test Graph



	Suspected List												
(Z	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark			
	1	2390.0000	5.77	47.50	53.27	74.00	20.73	PASS	Horizontal	PK			
	2	2390.0000	5.77	31.19	36.96	54.00	17.04	PASS	Horizontal	AV			













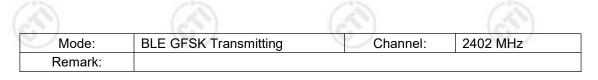


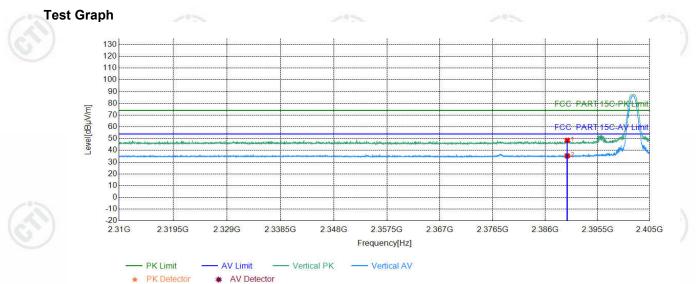


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Page 24 of 35





actor [dB] Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
5.77 42.83	48.60	74.00	25.40	PASS	Vertical	PK
5.77 29.54	35.31	54.00	18.69	PASS	Vertical	AV
5.	77 29.54	77 29.54 35.31	77 29.54 35.31 54.00	77 29.54 35.31 54.00 18.69	77 29.54 35.31 54.00 18.69 PASS	77 29.54 35.31 54.00 18.69 PASS Vertical

















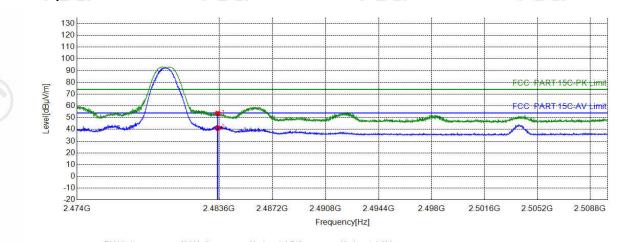






6		(C)		6	
Mode:	BLE GFSK Transmitting	Channel:	2480 MHz		
Remark:					

Test Graph

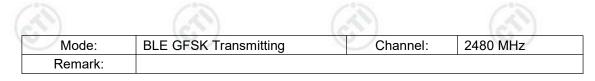


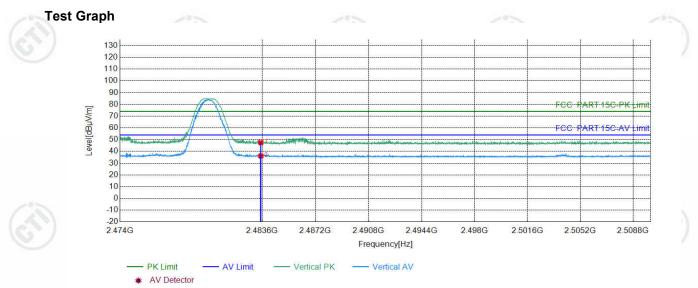
PK Limit — AV Limit — Horizontal PK — Horizontal AV
 * AV Detector

	Suspec	ted List								
_	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Ī	1	2483.5000	6.57	46.96	53.53	74.00	20.47	PASS	Horizontal	PK
	2	2483.5000	6.57	34.61	41.18	54.00	12.82	PASS	Horizontal	AV









Su	Ispec	ted List								
Ν	10	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5000	6.57	40.96	47.53	74.00	26.47	PASS	Vertical	PK
	2	2483.5000	6.57	29.54	36.11	54.00	17.89	PASS	Vertical	AV
)		(67	•	67		0	9		67

Note: The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading -Correct Factor

Correct Factor = Preamplifier Factor-Antenna Factor-Cable Factor







Page 28 of 35

9 PHOTOGRAPHS OF TEST SETUP

Test model No.: M09



Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)













Radiated spurious emission Test Setup-3(Above 1GHz) There are absorbing materials under the ground.







Page 30 of 35

10 PHOTOGRAPHS OF EUT Constructional Details

Test Model No.: M09



















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