





TEST REPORT

- Product Trade mark Model/Type reference Serial Number Report Number FCC ID Date of Issue Test Standards Test result
- : Remote control
 - N/A
- : Q5
- : N/A
- : EED32Q80665601
- : 2AS78-Q5
- : Jul. 04, 2024
- : 47 CFR Part 15 Subpart C
- PASS

Prepared for:

SHENZHEN TIANZUN TECHNOLOGY CO., LIMITED 6th Floor, Building 65, Baotian Industrial Park, Chentian Community, Baoan District, Shenzhen, 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

Firazer. Lo Zhenxia Wen Compiled by: Reviewed by: Zhenxia Wen Frazer Li Lavon Ma Date: Jul. 04, 2024 proved b Aaron Ma Check No.: 4750200524 eport Sea

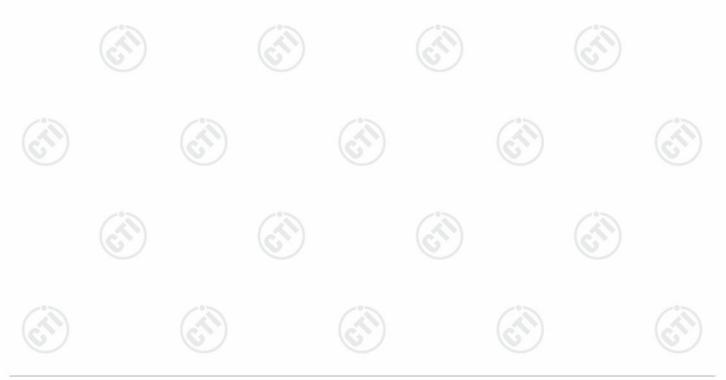




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2 Content

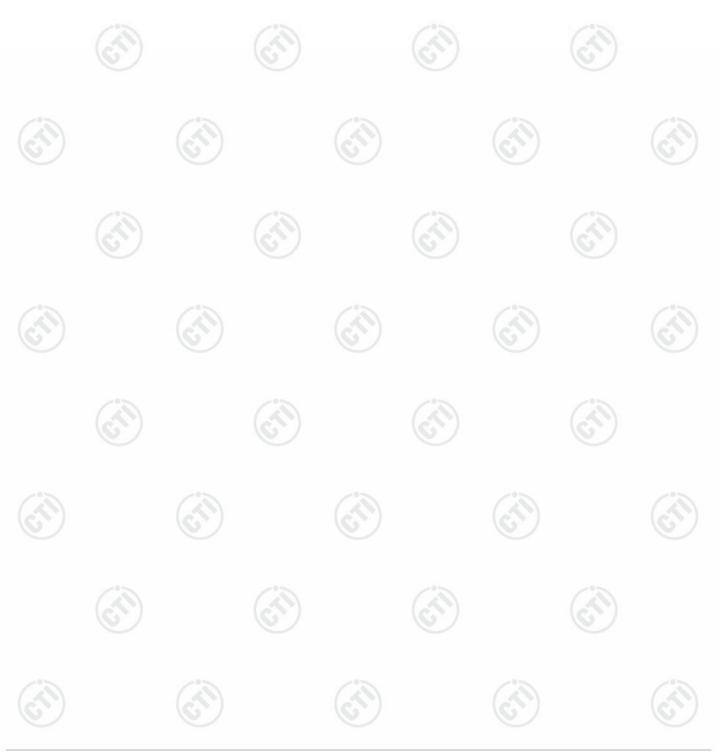
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Version No.	Date	Description	
00	Jul. 04, 2024	Original	
6	(0)	(A)	(1)





et Summary



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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

N/A:

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.





General Information 5

5.1 Client Information

Applicant:	SHENZHEN TIANZUN TECHNOLOGY CO., LIMITED	
Address of Applicant:	6th Floor, Building 65, Baotian Industrial Park, Chentian Community, Baoan District, Shenzhen, China	9
Manufacturer:	SHENZHEN TIANZUN TECHNOLOGY CO., LIMITED	2
Address of Manufacturer:	6th Floor, Building 65, Baotian Industrial Park, Chentian Community, Baoan District, Shenzhen, China	
Factory:	SHENZHEN TIANZUN TECHNOLOGY CO., LIMITED	
Address of Factory:	6th Floor, Building 65, Baotian Industrial Park, Chentian Community, Baoan District, Shenzhen, China	

5.2 General Description of EUT

Product Name:	Remote cor	ntrol			
Model No.:	Q5				1
Trade mark:	N/A	(\mathcal{C})	(\mathcal{C}^{*})		6
Product Type:	Mobile	⊠ Portable	Fix Location		
Operation Frequency:	2402MHz~2	2480MHz			
Modulation Type:	GFSK		13	13	
Transfer Rate:	⊠ 1Mbps	⊠ 2Mbps	(25)	(\mathcal{S})	
Number of Channel:	40		U		
Antenna Type:	PCB Anten	าล			
Antenna Gain:	2.47dBi	~~~	~		25
Power Supply:	Battery:	DC 3V			
Test Voltage:	DC 3.3V	Ś	V		V
Sample Received Date:	May 31, 202	24			
Sample tested Date:	Jun. 04, 20	24 to Jun. 13, 2	024	- 10	

















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

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:

(\mathcal{S})	Channel	Frequency	
The	lowest channel (CH0)	2402MHz	
The	middle channel (CH19)	2440MHz	
The	highest channel (CH39)	2480MHz	(2)

5.3 Test Configuration

EUT Test Software	e Settings:			
Test Software:	FCC To	ool V1.08	<u>(</u>)	(25)
EUT Power Grade:	Default selecte		n set parameters and c	annot be changed and
Use test software to transmitting of the I	•	ency, the middle frequ	uency and the highest f	requency keep
Test Mode	Modulation	Rate	Channel	Frequency(MHz)
Mode a	GFSK	1Mbps	СН0	2402
Mode b	GFSK	1Mbps	CH19	2440
Mode c	GFSK	1Mbps	CH39	2480
Mode d	GFSK	2Mbps	СНО	2402
Mode e	GFSK	2Mbps	CH19	2440
Mode f	GFSK	2Mbps	CH39	2480







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5.4 Test Environment

	Operating Environment	t:				
167	Radiated Spurious Emi	ssions:				
10	Temperature:	22~25.0 °C		(2)		(2)
2	Humidity:	50~55 % RH		C		C
	Atmospheric Pressure:	1010mbar				
	Conducted Emissions:	·				
	Temperature:	22~25.0 °C				
	Humidity:	50~55 % RH	(\mathcal{G}^{*})		(\mathcal{O})	
	Atmospheric Pressure:	1010mbar				
	RF Conducted:	·				
1	Temperature:	22~25.0 °C		(:D)		13
$\langle \cdot \rangle$	Humidity:	50~55 % RH		(2)		(3)
	Atmospheric Pressure:	1010mbar		U		U

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

1)	support	equipment
• •		

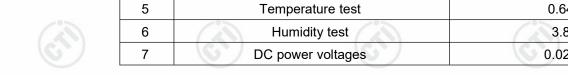
Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	HP	14-ce0061TX	FCC&CE	СТІ
	(3)			1

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







Conduction omission	3.5dB (9kHz to 150kHz)
Conduction emission	3.1dB (150kHz to 30MHz)
Temperature test	0.64°C
Humidity test	3.8%
DC power voltages	0.026%
	Humidity test

Measurement Uncertainty (95% confidence levels, k=2) 5.7 No. **Measurement Uncertainty** Item

Radio Frequency

RF power, conducted

Radiated Spurious emission test

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1

2

3

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7.9 x 10⁻⁸

0.46dB (30MHz-1GHz)

0.55dB (1GHz-40GHz) 3.3dB (9kHz-30MHz) 4.3dB (30MHz-1GHz)

4.5dB (1GHz-18GHz) 3.4dB (18GHz-40GHz)





6 Equipment List

1

	· · · · · · · · · · · · · · · · · · ·	RF te	st system			
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Communication test set	R&S	CMW500	107929	06-28-2023	06-27-2024	
Signal R&S Generator		SMBV100A	1407.6004K02- 262149-CV	09-05-2023	09-04-2024	
Spectrum Analyzer	R&S	FSV40	101200	07-25-2023	07-24-2024	
RF control nit(power unit) MWRF-test		MW100-RFCB	MW220620CTI-42	06-28-2023	06-27-2024	
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-12-2023	12-10-2024	
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025	
BT&WI-FI Automatic test software		MTS 8310	V2.0.0.0	(5)	
Spectrum Analyzer	R&S	FSV3044	101509	01-17-2024	01-16-2025	

















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Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date	
BM Chamber & Accessory Equipment	ток	SAC-3		05/22/2022	05/21/2025	
Receiver	R&S	ESCI7	100938-003	09/22/2023	09/21/2024	
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025	
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/16/2024	04/15/2025	
Multi device Controller	maturo	NCD/070/10711112		J.	(
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024	04/15/2025	
Microwave Preamplifier	Agilent	8449B	3008A02425	06/20/2023 06/13/2024	06/19/2024 06/12/2025	
Test software	Fara	EZ-EMC	EMEC-3A1-Pre		U	





















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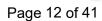




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		60		/	a	
		3M full-anechoi	c Chamber			
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
RSE Automatic test software	JS Tonscend	JS36-RSE	10166 MY57290136 MY57111112	(A)	6	
Receiver	Keysight	N9038A		01-09-2024	01-08-2025	
Spectrum Analyzer	Keysight	N9020B		01-19-2024	01-18-2025	
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-13-2024	01-12-2025	
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025 04-15-2025	
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024		
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024	
Preamplifier EMCI		EMC184055SE	980597	04-12-2024	04-11-2025	
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025	
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-25-2023	07-24-2024	
Communication test set	R&S	CMW500	102898	12-14-2023	12-13-2024	
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024	04-06-2025	
Fully Anechoic Chamber	TDK	FAC-3		01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	(
Cable line	Times	SFT205-NMSM-2.50M	394812-0002			
Cable line	Times	SFT205-NMSM-2.50M	394812-0003		0	
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	\odot	(0	
Cable line	Times	EMC104-NMNM-1000	SN160710			
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	(- <i>(</i>	
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	(IJ	
Cable line	Times	SFT205-NMSM-7.00M	394815-0001			
Cable line	Times	HF160-KMKM-3.00M	393493-0001		0	
)	6.	67		(C)	C	





7 Test results and Measurement Data

7.1 Antenna Requirement

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

15.203 requirement:

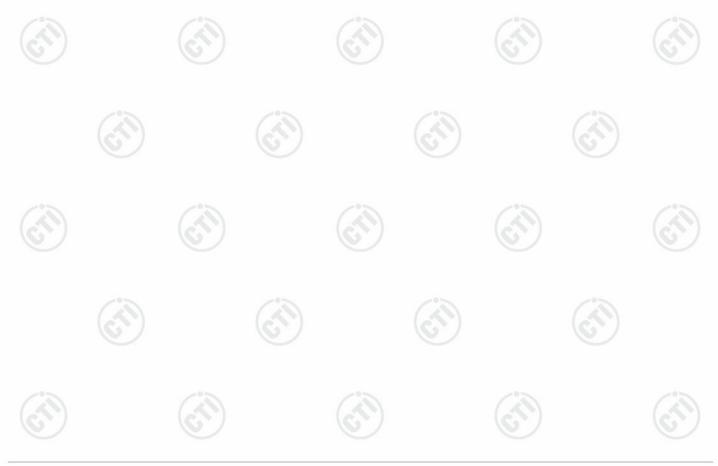
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 antenna is PCB antenn	a. The best case gain of the antenna is 2.47dBi

The antenna is PCB antenna. The best case gain of the antenna is 2.47dBi.

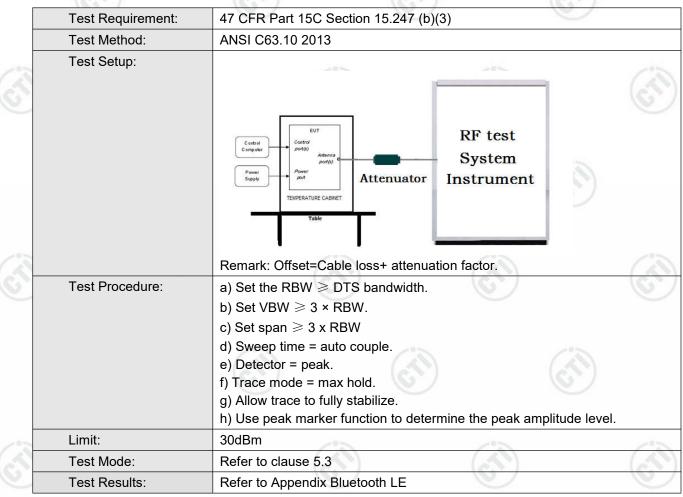






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7.2 Maximum Conducted Output Power









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 Supply Former TemPERATURE CABNET Table
Test Procedure:	Remark: Offset=Cable loss+ attenuation factor. 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
Limit:	measured in the fundamental emission. ≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix Bluetooth LE







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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 Congular Cong					
		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 les than 3 kHz) and repeat. 					
	Limit:	≤8.00dBm/3kHz					
	Test Mode:	Refer to clause 5.3					
	Test Results:	Refer to Appendix Bluetooth LE					



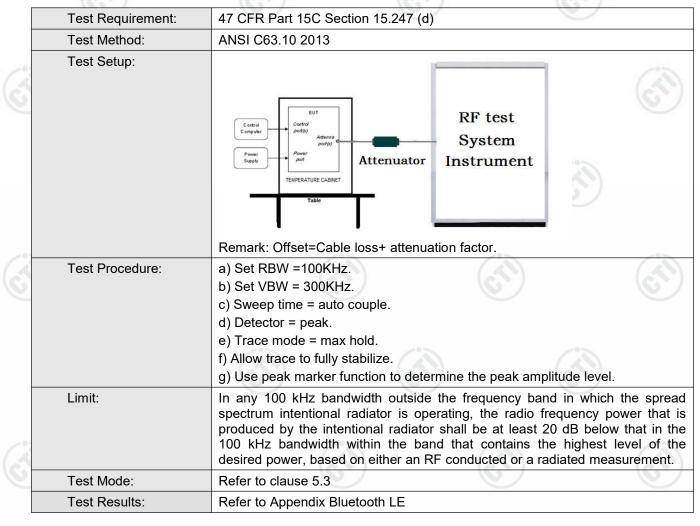






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7.5 Band Edge measurements and Conducted Spurious Emission









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7.6 Radiated Spurious Emission & Restricted bands

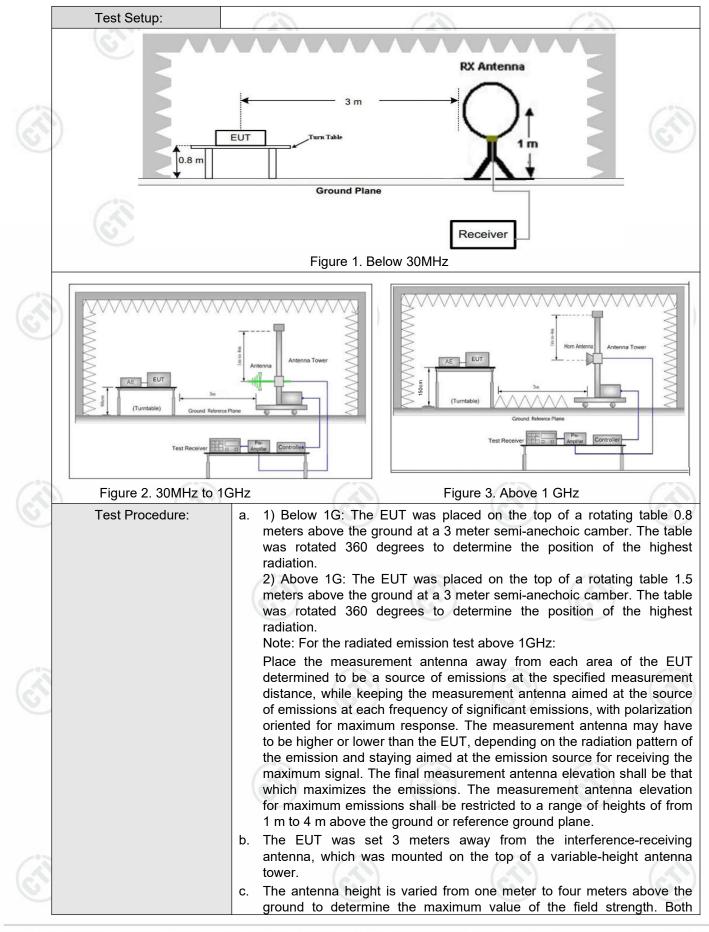
	Test Requirement:	47 CFR Part 15C Secti	on 1	15.209 and 15	.205		C	/	
	Test Method:	ANSI C63.10 2013							
	Test Site:	Measurement Distance	: 3n	n (Semi-Anecł	noic Cham	bei	r)		
	Receiver Setup:	Frequency	0	Detector	RBW	1	VBW	Remark	
(U)		0.009MHz-0.090MH	z	Peak	10kHz	z	30kHz	Peak	
		0.009MHz-0.090MH	z	Average	10kHz	z	30kHz	Average	
		0.090MHz-0.110MH	z	Quasi-peak	10kHz	z	30kHz	Quasi-peak	
		0.110MHz-0.490MH	z	Peak	10kHz	z	30kHz	Peak	
		0.110MHz-0.490MH	z	Average	10kHz	z	30kHz	Average	
		0.490MHz -30MHz		Quasi-peak	10kHz	z	30kHz	Quasi-peak	
		30MHz-1GHz		Quasi-peak	100 kH	łz	300kHz	Quasi-peak	
13			2	Peak	1MHz		3MHz	Peak	
6		Above 1GHz		Peak	1MHz		10kHz	Average	
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	Remark		Measuremer distance (m	
		0.009MHz-0.490MHz	2400/F(kHz)		-	- ~~~~		300	
		0.490MHz-1.705MHz		4000/F(kHz)	-			30	
		1.705MHz-30MHz		30	-	<u> </u>		30	
		30MHz-88MHz	100		40.0	Q	uasi-peak	3	
		88MHz-216MHz		150	43.5	Quasi-peak		3	
		216MHz-960MHz	2	200	46.0	Quasi-peak		3	
0		960MHz-1GHz	1	500	54.0	Q	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 quip	dB above the pment under t	maximum est. This p	pei	rmitted ave	erage emission	











CTI华测检测

Report No. : EED32Q80665601

Test Results:	Pass
Test Mode:	Refer to clause 5.3
	i. Repeat above procedures until all frequencies measured was complete.
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
	g. Test the EUT in the lowest channel (2402MHz),the middle channe (2440MHz),the Highest channel (2480MHz)
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dE margin would be re-tested one by one using peak, quasi-peak of average method as specified and then reported in a data sheet.
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	horizontal and vertical polarizations of the antenna are set to make the measurement.











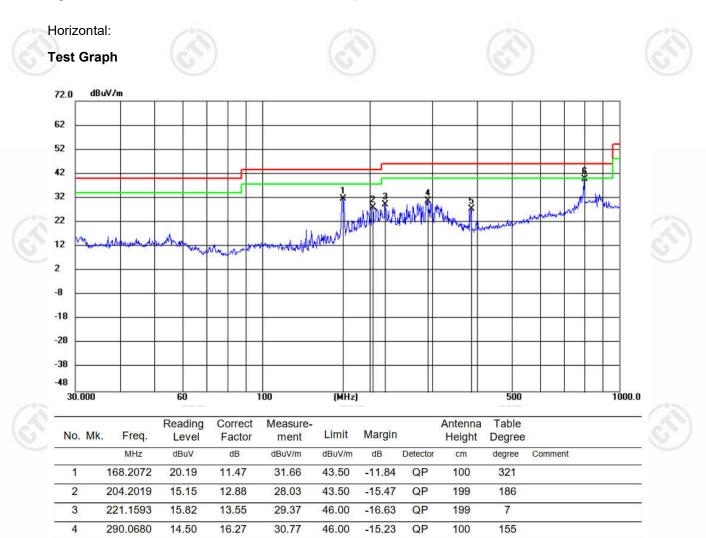


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Radiated Spurious Emission below 1GHz:

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





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5

6



9.16

14.11

18.34

25.78

27.50

39.89



46.00

46.00

-18.50

-6.11



QP

QP

100

100

20

332



384.1338

797.3004

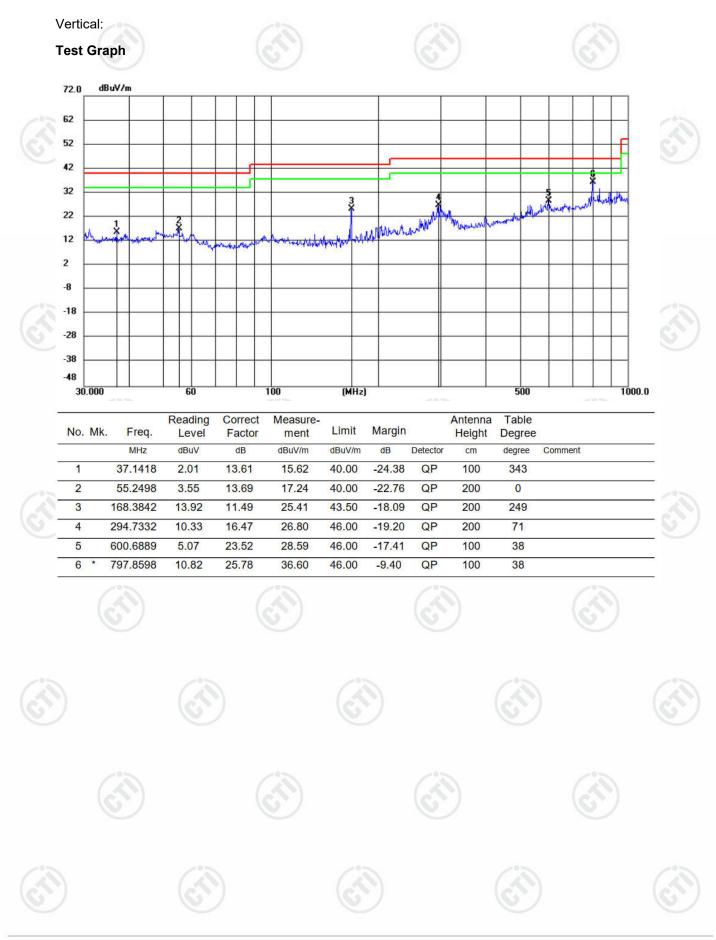








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Radiated Spurious Emission above 1GHz:

During the test, the Radiated Spurious Emission from above 1GHz was performed in all modes, only the worst case BLE 1M was recorded in the report.

Mode:				Bluetooth LE G	FSK Transmit	ting	Channel:		2402 MHz	
2	NO	Freq. [MHz]	Facto [dB]	[dBu\/]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1341.4341	7.94	37.84	45.78	74.00	28.22	Pass	Н	PK
	2	1995.4996	8.99	44.61	53.60	74.00	20.40	Pass	Н	PK
	3	4804.1203	-13.44	4 56.64	43.20	74.00	30.80	Pass	Н	PK
	4	7205.2804	-7.82	2 55.44	47.62	74.00	26.38	Pass	Н	PK
	5	8995.3997	-2.84	49.10	46.26	74.00	27.74	Pass	Н	PK
	6	12011.6008	-0.20	49.08	48.88	74.00	25.12	Pass	Н	PK
3	7	1199.2199	7.99	37.85	45.84	74.00	28.16	Pass	V	PK
	8	1666.4666	8.34	37.64	45.98	74.00	28.02	Pass	V	PK
1	9	4804.1203	-13.44	4 54.90	41.46	74.00	32.54	Pass	V	PK
	10	7205.2804	-7.82	2 55.98	48.16	74.00	25.84	Pass	V	PK
	11	10277.4852	-1.44	43.85	42.41	74.00	31.59	Pass	V	PK
	12	13695.713	5.13	42.40	47.53	74.00	26.47	Pass	V	PK
67				67		6		6	5)	

	Mode:		B	Bluetooth LE GFSK Transmitting			Channel:		2440 MHz	
3	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1220.6221	7.94	38.33	46.27	74.00	27.73	Pass	н	PK
	2	1998.4998	8.99	43.79	52.78	74.00	21.22	Pass	н	PK
	3	3999.0666	-16.51	57.40	40.89	74.00	33.11	Pass	н	PK
	4	4880.1253	-13.46	59.71	46.25	74.00	27.75	Pass	Н	PK
	5	7320.288	-6.72	59.49	52.77	74.00	21.23	Pass	Н	PK
	6	12199.6133	0.81	48.58	49.39	74.00	24.61	Pass	Н	PK
	7	7321.2881	-6.72	55.65	48.93	54.00	5.07	Pass	Н	AV
	8	1203.2203	7.99	38.28	46.27	74.00	27.73	Pass	V	PK
	9	1998.4998	8.99	37.77	46.76	74.00	27.24	Pass	V	PK
	10	3329.0219	-18.10	54.10	36.00	74.00	38.00	Pass	V	PK
4	11	4880.1253	-13.46	58.39	44.93	74.00	29.07	Pass	V	PK
	12	7320.288	-6.72	58.09	51.37	74.00	22.63	Pass	V	PK
	13	12199.6133	0.81	48.86	49.67	74.00	24.33	Pass	V	PK
	14	7321.2881	-6.72	53.84	47.12	54.00	6.88	Pass	V	AV













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100							285			
	Mode:			Bluetooth LE GFSK Transmitting			Channel:		2480 MHz	z
	NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1370.437	8.08	37.71	45.79	74.00	28.21	Pass	н	PK
0	2	1996.8997	8.99	44.39	53.38	74.00	20.62	Pass	Н	PK
	3	3991.0661	-16.54	4 59.20	42.66	74.00	31.34	Pass	Н	PK
	4	4960.1307	-13.35	5 59.03	45.68	74.00	28.32	Pass	Н	PK
	5	6644.243	-8.29	59.49	51.20	74.00	22.80	Pass	Н	PK
	6	12398.6266	0.13	47.61	47.74	74.00	26.26	Pass	Н	PK
	7	1435.6436	8.09	37.83	45.92	74.00	28.08	Pass	V	PK
	8	1993.0993	8.99	38.49	47.48	74.00	26.52	Pass	V	PK
	9	4960.1307	-13.35	5 55.35	42.00	74.00	32.00	Pass	V	PK
	10	7440.296	-6.29	56.22	49.93	74.00	24.07	Pass	V	PK
3	11	10915.5277	0.43	43.63	44.06	74.00	29.94	Pass	V	PK
	12	13688.7126	5.21	42.61	47.82	74.00	26.18	Pass	V	PK
	1		~~~							

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.









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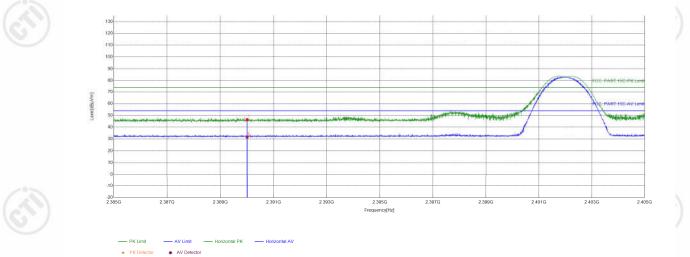




Test plot as follows:

Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2402
Tset_Engineer	BAN HUANG	Test_Date	2024/06/05
Remark	, ©	(C)	(C)

Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	9.96	36.48	46.44	74.00	27.56	PASS	Horizontal	PK
2	2390	9.96	21.74	31.70	54.00	22.30	PASS	Horizontal	AV



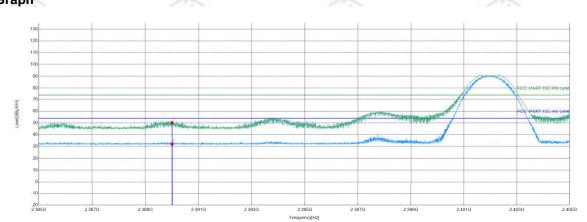




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Test_Mode	BLE 1M GFSK Transmitting	Те	est_Frequency	2402	
Tset_Engineer	BAN HUANG		Test_Date	2024/06/05	

Test Graph



PK Limit — AV Limit — Vertical PK — Vertical AV PK Detector AV Detector

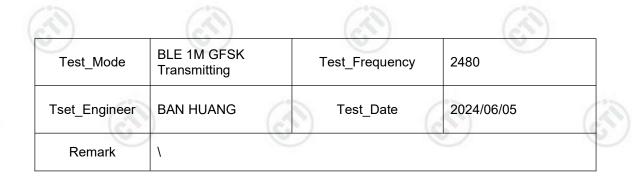
	S		1°2		12		1	-		12
X	Suspecte	d List								
S.	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390	9.96	40.33	50.29	74.00	23.71	PASS	Vertical	PK
	2	2390	9.96	22.15	32.11	54.00	21.89	PASS	Vertical	AV
	G			67		6			S)	



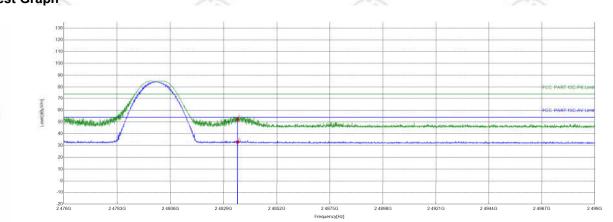




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Test Graph



PK Limit AV Limit Horizontal PK Horizontal AV AV Detector

**>	(1°2		12		1	2		2°2
<u>S</u>	Suspecte	d List								
9	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Γ	1	2483.5	10.38	41.86	52.24	74.00	21.76	PASS	Horizontal	PK
	2	2483.5	10.38	22.53	32.91	54.00	21.09	PASS	Horizontal	AV
-	G			(0)		6			67)	









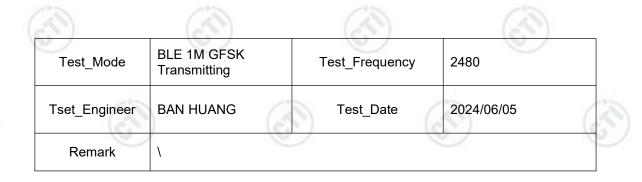




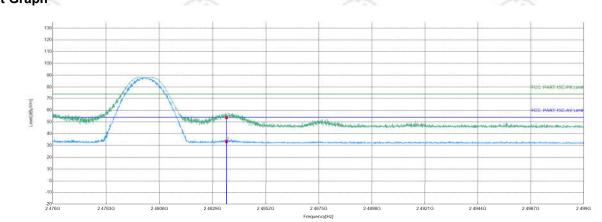




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Test Graph



PK Limit AV Limit Vertical PK Vertical AV AV Detector

<" >>			1°2		12		1	2		12
<u> </u>	Suspecte	d List								
9	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5	10.38	43.31	53.69	74.00	20.31	PASS	Vertical	PK
	2	2483.5	10.38	22.84	33.22	54.00	20.78	PASS	Vertical	AV
-	(C			67		6			ST)	

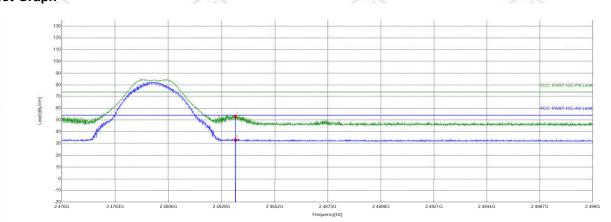






				-
Test_Mode	BLE 2M GFSK Transmitting	Test_Frequency	2480	
Tset_Engineer	BAN HUANG	Test_Date	2024/06/05	3
Remark	1			

Test Graph



- PK Limit - AV Limit tal PK - Horizontal Al * AV Detector

Suspecte	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	10.38	42.66	53.04	74.00	20.96	PASS	Horizontal	PK
2	2483.5	10.38	22.42	32.80	54.00	21.20	PASS	Horizontal	AV



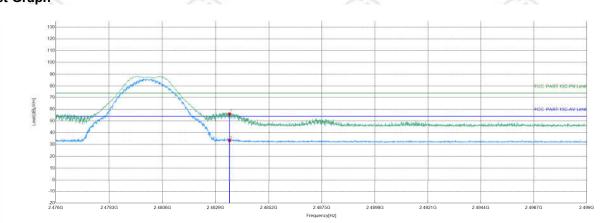




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Test_Mode	BLE 2M GFSK Transmitting	Test_Frequency	2480
Tset_Engineer	BAN HUANG	Test_Date	2024/06/05

Test Graph



PK Limit AV Limit Vertical PK Vertical AV * AV Detector

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	10.38	45.61	55.99	74.00	18.01	PASS	Vertical	PK
2	2483.5	10.38	23.01	33.39	54.00	20.61	PASS	Vertical	AV



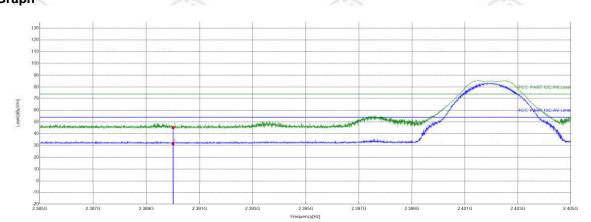




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Test_Mode	BLE 2M GFSK Transmitting	Test_Frequency	2402
Tset_Engineer	BAN HUANG	Test_Date	2024/06/05

Test Graph



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

2	Suspecte	d l ist	~~~		2°		~			22	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
Γ	1	2390	9.96	35.30	45.26	74.00	28.74	PASS	Horizontal	PK	
	2	2390	9.96	21.74	31.70	54.00	22.30	PASS	Horizontal	AV	
-	G		•	(\mathbf{G})		S)		2	ST.		



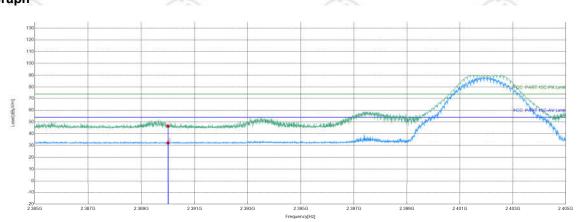




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Tset_Engineer BAN HUANG Test_Date 2024/06/05	(

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	9.96	36.40	46.36	74.00	27.64	PASS	Vertical	PK
2	2390	9.96	22.26	32.22	54.00	21.78	PASS	Vertical	AV
10	51		1657		6.			Col /	

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





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