

Report No.: EED32R80351901 Page 1 of 36

TEST REPORT

Product: Underwater External Shutter

Trade mark : DIVEVOLK

Model/Type reference : DAFUES

Serial Number : N/A

Report Number : EED32R80351901 FCC ID : 2BOFDDAFUES

Date of Issue : May 08, 2025

Test Standards : 47 CFR Part 15 Subpart C

Test result : PASS

Prepared for:

Divevolk (Zhuhai) Intelligent Technology Co., Ltd.
17th Floor, Room 229, No. 91, Qinlang Road, Hengqin New District,
Zhuhai City

Prepared by:

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May 08, 2025



Report No.: EED32R80351901 Page 2 of 36

Content

CONTENT	
2 VERSION	3
3 TEST SUMMARY	
GENERAL INFORMATION	5
4.1 CLIENT INFORMATION 4.2 GENERAL DESCRIPTION OF EUT 4.3 TEST CONFIGURATION 4.4 TEST ENVIRONMENT 4.5 DESCRIPTION OF SUPPORT UNITS 4.6 TEST LOCATION 4.7 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	
EQUIPMENT LIST	9
TEST RESULTS AND MEASUREMENT DATA	
6.1 Antenna Requirement	
APPENDIX A	28
PHOTOGRAPHS OF TEST SETUP	29
PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	31





















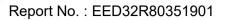














2 Version

Version No.	Date	Description		
00	May 08, 2025	Original		
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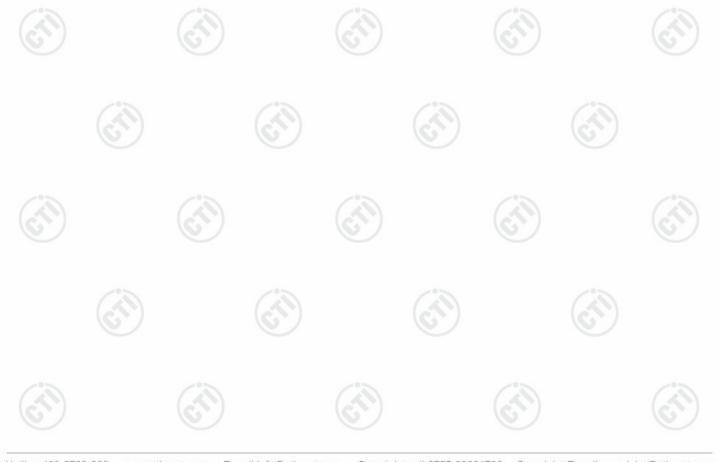


Report No. : EED32R80351901 Page 4 of 36

3 Test Summary

A B 1	1881	
Test Requirement	Result	
47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS	
47 CFR Part 15 Subpart C Section 15.207	N/A	
47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS	
47 CFR Part 15 Subpart C Section 15.247 (b)(3)	PASS	
47 CFR Part 15 Subpart C Section 15.247 (e)	PASS	
47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
47 CFR Part 15 Subpart C Section 15.247(d)	PASS	
47 CFR Part 15 Subpart C Section 15.205/15.209	PASS	
	47 CFR Part 15 Subpart C Section 15.203/15.247 (c) 47 CFR Part 15 Subpart C Section 15.207 47 CFR Part 15 Subpart C Section 15.247 (a)(2) 47 CFR Part 15 Subpart C Section 15.247 (b)(3) 47 CFR Part 15 Subpart C Section 15.247 (e) 47 CFR Part 15 Subpart C Section 15.247(d) 47 CFR Part 15 Subpart C Section 15.247(d) 47 CFR Part 15 Subpart C Section 15.247(d) 47 CFR Part 15 Subpart C Section	

N/A: The product is powered by battery.





Report No. : EED32R80351901 Page 5 of 36

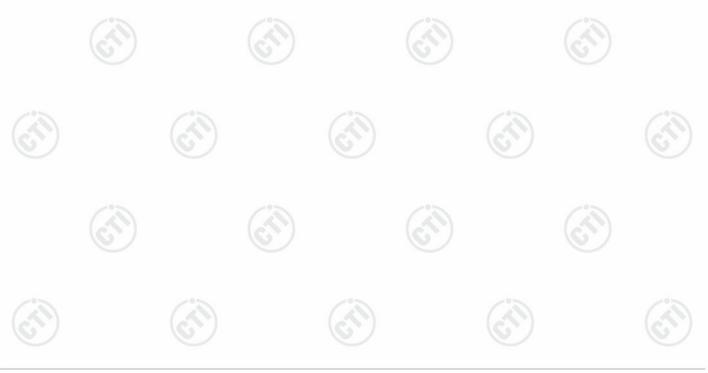
4 General Information

4.1 Client Information

Applicant:	Divevolk (Zhuhai) Intelligence Tech Co., Ltd
Address of Applicant:	17th Floor, Room 229, No. 91, Qinlang Road, Hengqin New District, Zhuhai City
Manufacturer:	Divevolk (Zhuhai) Intelligence Tech Co., Ltd
Address of Manufacturer:	17th Floor, Room 229, No. 91, Qinlang Road, Hengqin New District, Zhuhai City
Factory:	Zhongshan Haichu Intelligence Technology Co., Ltd.
Address of Factory:	4th Floor, Area B, Building 3, Jinwan Industrial Park, Shengye Road, Xinxu Village, Sanxiang Town, Zhongshan City

4.2 General Description of EUT

Product Name:	Underwater External Shutter	(6,
Model No.:	DAFUES	
Trade mark:	DIVEVOLK	
Product Type:	☐ Mobile ☐ Portable ☐ Fixed Location	
Operation Frequency:	2402MHz~2480MHz	(67.)
Modulation Type:	GFSK	
Transfer Rate:	⊠ 1Mbps	
Number of Channel:	40	
Antenna Type:	PCB Antenna	241)
Antenna Gain:	-0.58dBi	
Power Supply:	DC 3V	
Test Voltage:	DC 5V	-15
Sample Received Date:	Mar. 19, 2025	
Sample tested Date:	Mar. 19, 2025 to Apr. 03, 2025	





Page 6 of 36 Report No.: EED32R80351901

100						-0-	
Operation F	requency eac	h of channe	I				
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

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:

Channel	Frequency(MHz)
The lowest channel (CH0)	2402
The middle channel (CH19)	2440
The highest channel (CH39)	2480

4.3 Test Configuration

EUT Test Software Settings:							
Test Software:		fcc_test_tool					
EUT Power Grade:		Default (Power level is built-in set parameters and cannot be changed and selected)					
Use test software to transmitting of the El		est frequency	y, the middle frequ	ency and the highest f	requency keep		
Test Mode	Modu	ılation	Frequency(MHz)				
Mode a	GF	SK	1Mbps	CH0	2402		
Mode b	GFSK		1Mbps	CH19	2440		
Mode c	GF	SK	1Mbps	CH39	2480		













Report No. : EED32R80351901 Page 7 of 36

4.4 Test Environment

O	perating Environment	:					
Ra	adiated Spurious Emis	ssions:					
Te	emperature:	22~25.0 °C	(2)		(41)		(41)
/ Hu	umidity:	50~55 % RH	0		(0)		6
At	mospheric Pressure:	1010mbar					
C	onducted Emissions:						
Te	emperature:	22~25.0 °C		(2)		(20)	
Hu	umidity:	50~55 % RH		(0,)		(0,	
At	mospheric Pressure:	1010mbar					
RI	F Conducted:						
Te	emperature:	22~25.0 °C	(3)				
Hu	umidity:	50~55 % RH	(6,2,2)		(6,7,2)		(6,7)
At	mospheric Pressure:	1010mbar					

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
1	1	1	1	1

4.6 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

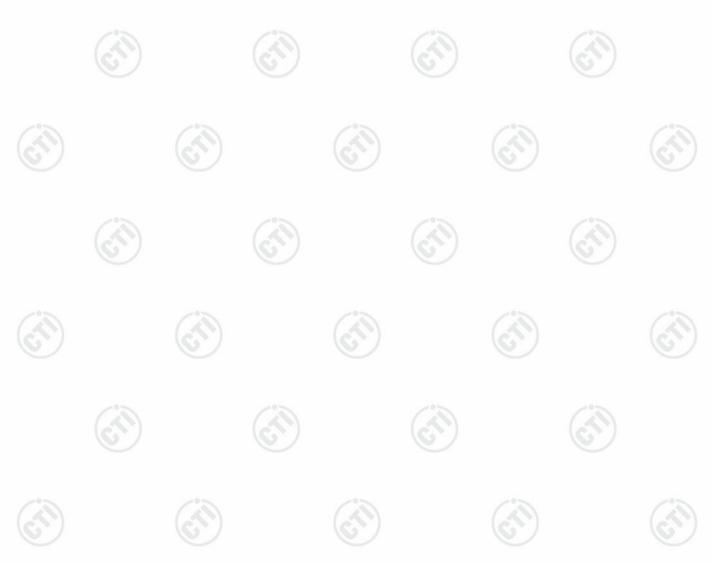






4.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty		
1	Radio Frequency	7.9 x 10 ⁻⁸		
0	DE novem conducted	0.46dB (30MHz-1GHz)		
2	RF power, conducted	0.55dB (1GHz-40GHz)		
		3.3dB (9kHz-30MHz)		
0	Dedicted Country and size to t	4.3dB (30MHz-1GHz)		
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)		
47		3.4dB (18GHz-40GHz)		
4	October Atom consists in a	3.5dB (9kHz-150kHz)		
4	Conduction emission	3.1dB (150kHz-30MHz)		
5	Temperature test	0.64°C		
6	Humidity test	3.8%		
7	DC power voltages	0.026%		

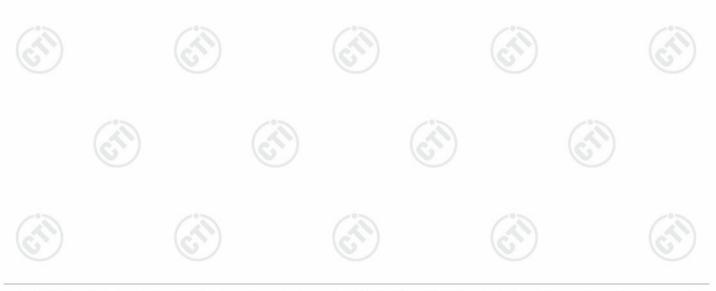




Report No. : EED32R80351901 Page 9 of 36

5 Equipment List

RF test 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	06-26-2024	06-25-2025	
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-02-2024	09-01-2025	
Spectrum Analyzer	R&S	FSV40	101200	07-18-2024	07-17-2025	
RF control unit(power unit)	MWRF-test	MW100-RFCB	MW220620CTI-42	06-25-2024	06-24-2025	
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-30-2024	11-29-2025	
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025	
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	V2.0.0.0	(ii)	- (3	
Spectrum Analyzer	R&S	FSV3044	101509	02-14-2025	02-13-2026	





Report No.: EED32R80351901 Page 10 of 36

3N	Semi-anechoic	Chamber (2)- Rad	diated distur	bance Test		
			Serial	Cal. date	Cal. Due date (mm-dd-yyyy)	
Equipment	Manufacturer	Model No.	Number	(mm-dd-yyyy)		
3M Chamber & Accessory Equipment	TDK	SAC-3		05/22/2022	05/21/2025	
Receiver	R&S	ESCI7	100938- 003	09/07/2024	09/06/2025	
Spectrum Analyzer	R&S	FSV40	101200	07/18/2024	07/17/2025	
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	
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/05/2024	12/04/2025	
Horn Antenna	A.H.SYSTEMS	SAS-574	374	07/02/2023	07/01/2026	
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D- 1869	04/16/2024	04/15/2025	
Preamplifier	Agilent	11909A	12-1	03/03/2025	03/02/2026	
Preamplifier	CD	PAP-1840-60	6041.6042	06/19/2024	06/18/2025	
Test software	Fara	EZ-EMC	EMEC- 3A1-Pre			
Cable line	Fulai(7M)	SF106	5219/6A	05/22/2022	05/21/2025	
Cable line	Fulai(6M)	SF106	5220/6A	05/22/2022	05/21/2025	
Cable line	Fulai(3M)	SF106	5216/6A	05/22/2022	05/21/2025	
Cable line	Fulai(3M)	SF106	5217/6A	05/22/2022	05/21/2025	















Report No. : EED32R80351901 Page 11 of 36

		The state of the s				
	_	3M full-anechoic	Chamber			
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
Fully Anechoic Chamber	TDK	FAC-3	(01-09-2024	01-08-2027	
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026	
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026	
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026	
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025	
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025	
Horn Antenna	ETS-LINDGREN	3117	57407	07-03-2024	07-02-2025	
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026	
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025	
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025	
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026	
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024	04-06-2025	
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0			
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2024	01-08-2027	
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2024	01-08-2027	
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2024	01-08-2027	
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2024	01-08-2027	

Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com



Report No. : EED32R80351901 Page 12 of 36

6 Test results and Measurement Data

6.1 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 antenna. The best case gain of the antenna is -0.58dBi.







6.2 Maximum Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)	
Test Method:	ANSI C63.10 2013	
Test Setup:		
	Control Computer Power Supply Attenuator Table EUT RF test System System Instrument	
	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. 	(C)
Limit:	30dBm	/°>
Test Mode:	Refer to clause 5.3	
Test Results:	Refer to Appendix A	





Report No. : EED32R80351901 Page 14 of 36

6.3 DTS Bandwidth

10.0	
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Computer Power Supply Adenna Attenuator Instrument Table RF test System Instrument
	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







6.4 Maximum Power Spectral Density

47 CFR Part 15C Section 15.247 (e)	
ANSI C63.10 2013	
- 10 m	
Control Computer Power Supply TEMPERATURE CABRIET Table	RF test - System Instrument
Remark: Offset=Cable loss+ attenua	ation factor.
within the RBW.	S bandwidth.
≤8.00dBm/3kHz	
Refer to clause 5.3	-05
Refer to Appendix A	
	ANSI C63.10 2013 Control Power Supply Attenuator Remark: Offset=Cable loss+ attenuator Remark: Offset=Cable loss+ attenuator a) Set analyzer center frequency to b) Set the span to 1.5 times the DTS c) Set the RBW to 3 kHz ≤ RBW ≤ 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 within the RBW. j) If measured value exceeds required than 3 kHz) and repeat. ≤8.00dBm/3kHz Refer to clause 5.3







6.5 Band Edge measurements and Conducted Spurious Emission

1000	
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10 2013
Test Setup:	Control Computer Power Pool Actenia Pool Power Pool Table RF test System System Instrument Table
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	a) Set RBW =100KHz. b) Set VBW = 300KHz. c) Sweep time = auto couple. d) Detector = peak. e) Trace mode = max hold. f) Allow trace to fully stabilize. g) Use peak marker function to determine the peak amplitude level.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix A

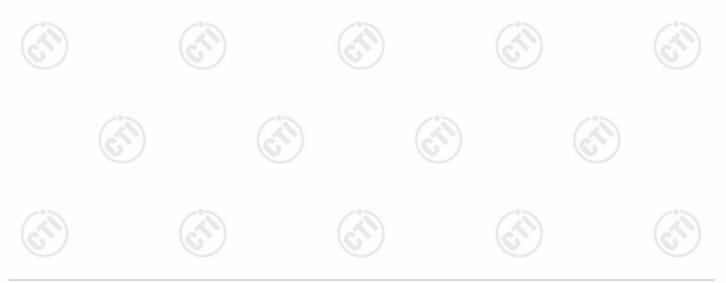






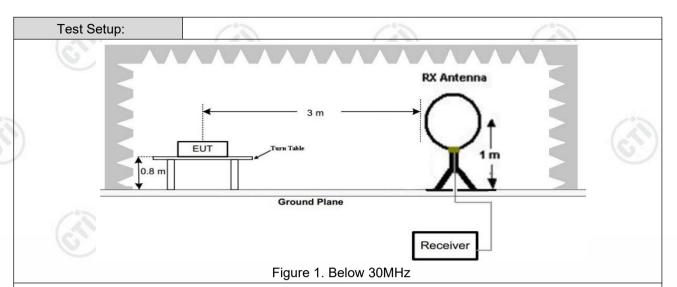
6.6 Radiated Spurious Emission & Restricted bands

A Section 1	165		16.5		16.	<i>)</i>					
Test Requirement:	47 CFR Part 15C Section	ion 1	5.209 and 15	.205							
Test Method:	ANSI C63.10 2013										
Test Site:	Measurement Distance	Measurement Distance: 3m (Semi-Anechoic Chamber)									
Receiver Setup:	Frequency	10	Detector	RBW	VBW	Remark					
	0.009MHz-0.090MH	łz	Peak	10kHz	30kHz	Peak					
	0.009MHz-0.090MH	łz	Average	10kHz	30kHz	Average					
	0.090MHz-0.110MH	łz	Quasi-peak	10kHz	30kHz	Quasi-peak					
	0.110MHz-0.490MH	łz	Peak	10kHz	30kHz	Peak					
	0.110MHz-0.490MH	łz	Average	10kHz	30kHz	Average					
	0.490MHz -30MHz	<u>, </u>	Quasi-peak	10kHz	30kHz	Quasi-peak					
	30MHz-1GHz		Quasi-peak	100 kH	z 300kHz	Quasi-peak					
	Above 1015	Above 1GHz		1MHz	3MHz	Peak					
	Above IGHZ			1MHz	10kHz	Average					
Limit:	Frequency	Frequency Fig. (mic		Limit (dBuV/m)	Remark	Measuremer distance (m)					
	0.009MHz-0.490MHz	24	400/F(kHz)	-	-/*>	300					
	0.490MHz-1.705MHz	24	1000/F(kHz)	-	(A)	30					
	1.705MHz-30MHz		30	-		30					
	30MHz-88MHz		100	40.0	Quasi-peak	3					
	88MHz-216MHz		150	43.5	Quasi-peak	3					
	216MHz-960MHz	19	200	46.0	Quasi-peak	3					
	960MHz-1GHz	\mathcal{I}	500	54.0	Quasi-peak	3					
	Above 1GHz		500	54.0	Average	3					
	Note: 15.35(b), frequency emissions is limit applicable to the epeak emission level radius	s 20d equip	IB above the i	maximum est. This p	permitted ave	erage emission					





Report No. : EED32R80351901 Page 18 of 36



Antenna Antenna Tower

Antenna Free Controlles

Test Receiver

Ground Reference Plane

Test Receiver

Test Receiver

Test Receiver

Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

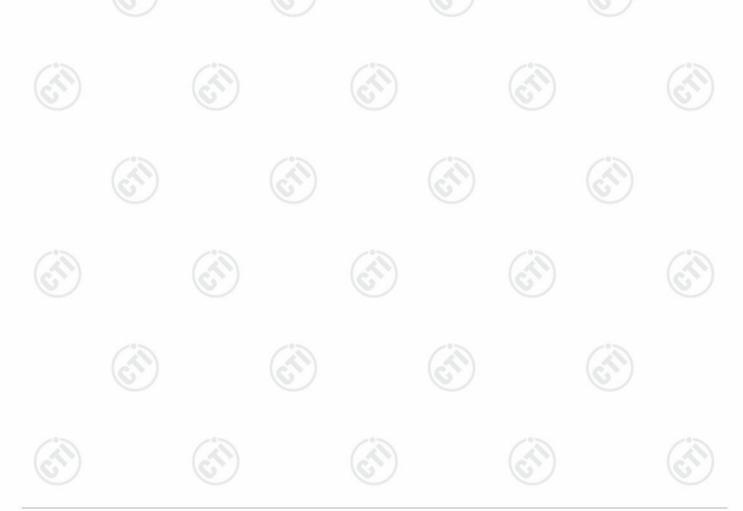
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both



Report No. : EED32R80351901 Page 19 of 36

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 channel (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 10dB margin would be re-tested one by one using peak, quasi-peak or 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.



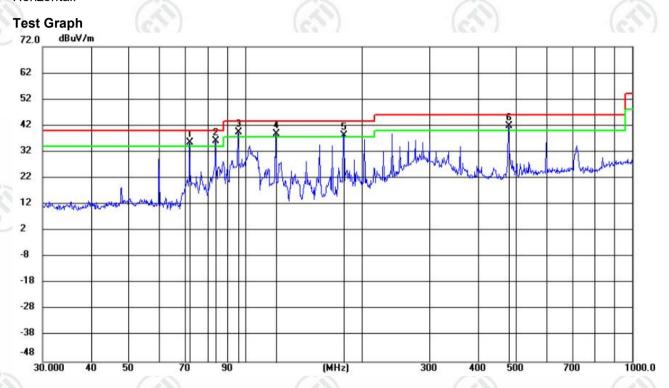


Report No.: EED32R80351901 Page 20 of 36

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.

Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	3.
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	!	71.9831	25.19	10.44	35.63	40.00	-4.37	QP	100	12	
2	*	83.9920	25.90	10.32	36.22	40.00	-3.78	QP	200	146	
3	!	95.9975	26.87	12.51	39.38	43.50	-4.12	QP	100	321	
4	1	120.0027	27.20	11.60	38.80	43.50	-4.70	QP	100	8	
5	!	180.0164	27.13	11.16	38.29	43.50	-5.21	QP	200	12	
6	!	480.0221	21.20	20.57	41.77	46.00	-4.23	QP	100	142	







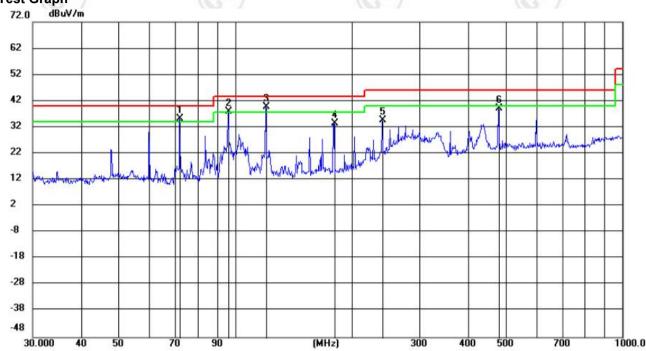






Page 21 of 36 Report No.: EED32R80351901

Vertical:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	!	71.9959	24.90	10.44	35.34	40.00	-4.66	QP	100	45	
2	!	95.9975	25.40	12.51	37.91	43.50	-5.59	QP	100	123	
3	*	120.0027	28.04	11.60	39.64	43.50	-3.86	QP	100	352	
4		180.0165	22.34	11.16	33.50	43.50	-10.00	QP	200	296	
5		239.9874	20.33	14.30	34.63	46.00	-11.37	QP	200	17	
6		480.0224	18.50	20.57	39.07	46.00	-6.93	QP	100	6	





Report No.: EED32R80351901 Page 22 of 36

Radiated Spurious Emission above 1GHz:

					1				
Mode:			Bluetooth LE G	FSK Transmit	ting	Channel:		2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1154.9437	10.24	38.22	48.46	74.00	25.54	Pass	Н	PK
2	1421.0947	10.62	37.69	48.31	74.00	25.69	Pass	Н	PK
3	3384.8257	-13.19	54.05	40.86	74.00	33.14	Pass	Н	PK
4	4804.5203	-10.45	56.88	46.43	74.00	27.57	Pass	Н	PK
5	7207.0805	-5.15	57.73	52.58	74.00	21.42	Pass	Н	PK
6	9608.9906	2.55	46.52	49.07	74.00	24.93	Pass	Н	PK
7	7207.0805	-5.15	53.49	48.34	54.00	5.66	Pass	Н	AV
8	1148.5432	10.36	37.50	47.86	74.00	26.14	Pass	V	PK
9	1556.7038	11.04	37.05	48.09	74.00	25.91	Pass	V	PK
10	3333.4722	-12.82	53.72	40.90	74.00	33.10	Pass	V	PK
11	4804.5203	-10.45	56.91	46.46	74.00	27.54	Pass	V	PK
12	7207.0805	-5.15	57.72	52.57	74.00	21.43	Pass	V	PK
13	9608.9906	2.55	46.45	49.00	74.00	25.00	Pass	V	PK
14	7207.0805	-5.15	54.20	49.05	54.00	4.95	Pass	V	AV

						/	10		
Мс	de:		Bluetooth LE G	FSK Transmi	tting	Channel:		2440 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1140.8094	10.11	38.05	48.16	74.00	25.84	Pass	Н	PK
2	1510.5674	10.54	37.02	47.56	74.00	26.44	Pass	Н	PK
3	3358.1739	-12.70	53.61	40.91	74.00	33.09	Pass	Н	PK
4	4879.9253	-9.83	56.99	47.16	74.00	26.84	Pass	Н	PK
5	7320.188	-4.44	56.15	51.71	74.00	22.29	Pass	Н	PK
6	9759.8007	2.16	50.24	52.40	74.00	21.60	Pass	Н	PK
7	7320.8381	-4.43	54.00	49.57	54.00	4.43	Pass	Н	AV
8	9760.4507	2.18	46.31	48.49	54.00	5.51	Pass	Н	AV
9	1155.6104	10.23	36.62	46.85	74.00	27.15	Pass	V	PK
10	1402.4268	10.63	37.31	47.94	74.00	26.06	Pass	V	PK
1	3456.9805	-12.92	53.45	40.53	74.00	33.47	Pass	V	PK
12	4879.9253	-9.83	57.18	47.35	74.00	26.65	Pass	V	PK
13	3 7320.188	-4.44	56.24	51.80	74.00	22.20	Pass	V	PK
14	9759.8007	2.16	51.28	53.44	74.00	20.56	Pass	V	PK
1	7320.8381	-4.43	53.97	49.54	54.00	4.46	Pass	V	AV
16	9760.4507	2.18	46.07	48.25	54.00	5.75	Pass	V	AV











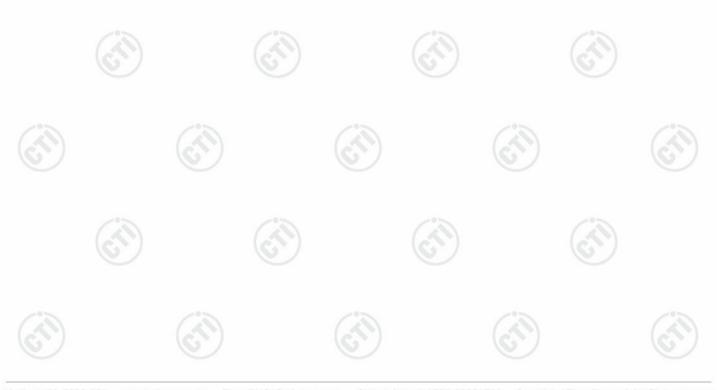


Report No.: EED32R80351901 Page 23 of 36

_	20%			200		20%	50~				
	Mode:		В	luetooth LE G	SFSK Transmi	tting	Channel:		2480 MHz	2480 MHz	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	1137.2091	9.99	37.33	47.32	74.00	26.68	Pass	Н	PK	
9	2	1463.6309	10.56	37.07	47.63	74.00	26.37	Pass	Н	PK	
	3	3353.6236	-12.62	53.12	40.50	74.00	33.50	Pass	Н	PK	
	4	4959.8807	-13.20	58.10	44.90	74.00	29.10	Pass	Н	PK	
	5	7439.796	-4.56	55.28	50.72	74.00	23.28	Pass	Н	PK	
	6	9920.3614	0.89	49.68	50.57	74.00	23.43	Pass	Н	PK	
	7	1163.4776	9.96	37.49	47.45	74.00	26.55	Pass	V	PK	
	8	1433.4956	10.62	37.87	48.49	74.00	25.51	Pass	V	PK	
	9	3553.8369	-13.05	52.56	39.51	74.00	34.49	Pass	V	PK	
	10	4959.8807	-13.20	58.11	44.91	74.00	29.09	Pass	V	PK	
	11	7439.796	-4.56	55.25	50.69	74.00	23.31	Pass	V	PK	
6	12	9920.3614	0.89	49.94	50.83	74.00	23.17	Pass	V	PK	

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.

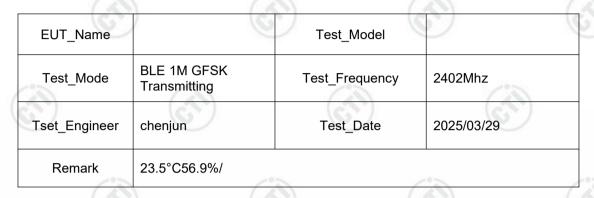


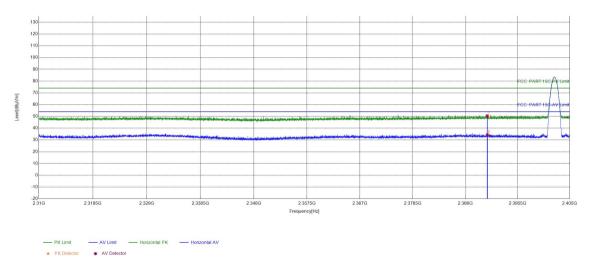




Restricted bands:

Test plot as follows:





	Suspected List									
10	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
6	1	2390	15.31	35.20	50.51	74.00	23.49	PASS	Horizontal	PK
	2	2390	15.31	19.01	34.32	54.00	19.68	PASS	Horizontal	AV







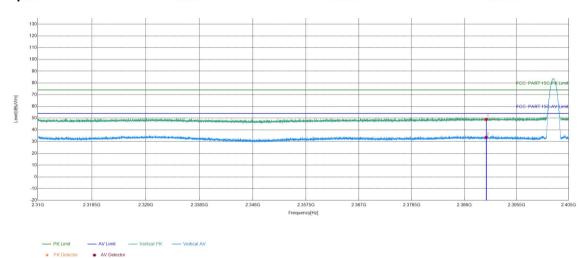






Report No.: EED32R80351901 Page 25 of 36

	(6.5)	(6.4)	16.31
EUT_Name		Test_Model	
Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2402Mhz
Tset_Engineer	chenjun	Test_Date	2025/03/29
Remark	23.5°C56.9%/		(3)



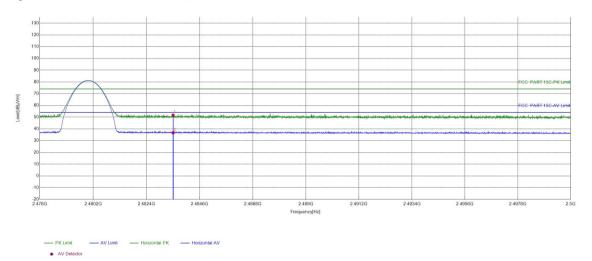
Suspected List										
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	2390	15.31	33.76	49.07	74.00	24.93	PASS	Vertical	PK	
2	2390	15.31	18.33	33.64	54.00	20.36	PASS	Vertical	AV	



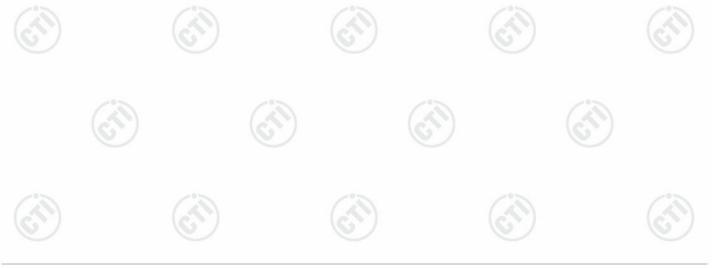


Report No.: EED32R80351901 Page 26 of 36

	(0.7)	(6.7)	16.31
EUT_Name		Test_Model	
Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2480Mhz
Tset_Engineer	chenjun	Test_Date	2025/03/29
Remark	23.5°C56.9%/		(3)



Suspecte	Suspected List										
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark		
1	2483.5	15.16	36.62	51.78	74.00	22.22	PASS	Horizontal	PK		
2	2483.5	15.16	21.53	36.69	54.00	17.31	PASS	Horizontal	AV		

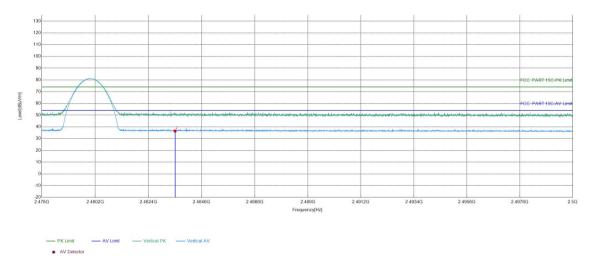




Report No.: EED32R80351901 Page 27 of 36

(****)	102	16.7	162
EUT_Name		Test_Model	
Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2480Mhz
Tset_Engineer	chenjun	Test_Date	2025/03/29
Remark	23.5°C56.9%/	CO	

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.16	35.61	50.77	74.00	23.23	PASS	Vertical	PK
2	2483.5	15.16	21.36	36.52	54.00	17.48	PASS	Vertical	AV

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



























Refer to Appendix: Bluetooth LE of EED32R80351901























































































