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			REPORT		
	Product	: 1	HYBRID ANC TWS	SPORT EARBU	D
	Trade mark	: `	VOKALEN		
	Model/Type reference	(3	Reflex Pro		
	Serial Number	6	N/A		
	Report Number	: 1	EED32Q81209201		
	FCC ID	: 1	MV3-TWSBT015		
	Date of Issue	: :	Sep. 09, 2024		
	Test Standards	: 4	47 CFR Part 15 Sub	opart C	
	Test result	: 1	PASS		
		Dror	pared for:		
	Countr		e Technology Lt		
	5/F, Blk E, Hing Yip C	-			a
			Hong Kong		9,
			ineng rieng		
		Pren	ared by:		
		g Inter	national Group Zone, Bao'an 70		
	Hongwei Indus Shenzh TEL	g Intern strial Z nen, Gu : +86-7	national Group	District,	
	Hongwei Indus Shenzh TEL FAX	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668	District,	
C	Hongwei Indus Shenzh TEL FAX	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668	District,	(A)
C	Hongwei Indus Shenzh TEL FAX	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668 755-3368 3385	District,	(Sta
C C C C C C C C C C C C C C C C C C C	Hongwei Indus Shenzh TEL FAX	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668 755-3368 3385	District, a Jurazer. Lo	4
RETESTING	Hongwei Indus Shenzh TEL FAX	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668 755-3368 3385 Reviewed by:	District, a Jirazer. Lo Frazer Li	
CENTRE	Hongwei Indus Shenzh TEL FAX ompiled by: ERNATION ERNATION FRATION Reven Tan Keven Tan Keven Ma	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668 755-3368 3385 Reviewed by:	District, a Jirazer. Lo Frazer Li Sep. 09, 2024	4 2947120824
CENTRE	Hongwei Indus Shenzh TEL FAX	g Intern strial Z nen, Gu : +86-7	national Group Zone, Bao'an 70 uangdong, Chin 755-3368 3668 755-3368 3385 Reviewed by:	District, a Jirazer. Lo Frazer Li Sep. 09, 2024	(ST)





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6 TEST RESULTS AND MEASURE			
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7 APPENDIX BLUETOOTH LE		<u></u>	
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9 PHOTOGRAPHS OF EUT CONS	TRUCTIONAL DETAILS	Ø	Ì



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	(A)

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3 Test Summary



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Test Requirement	Result
nna Requirement 47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	
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(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 15.247(d)

Remark:

N/A: The product is powered by battery.

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.





4 General Information

4.1 Client Information

Applicant:	Country Mate Technology Ltd
Address of Applicant:	5/F, Blk E, Hing Yip Center. 31 Hing Yip Street Kwun Tong, Kln N/A Hong Kong
Manufacturer:	Country Mate Technology Ltd
Address of Manufacturer:	5/F, Blk E, Hing Yip Center. 31 Hing Yip Street Kwun Tong, Kln N/A Hong Kong

4.2 General Description of EUT

Product Name:	HYBRID AN	C TWS SPOR	T EARBUD		(in)	
Model No.:	Reflex Pro		(\mathcal{O})		(\mathcal{O})	
Trade mark:	VOKALEN		\smile		\smile	
Product Type:	Mobile	☑ Portable	Fixed Lo	cation		
Operation Frequency:	2402MHz~2	480MHz				13
Modulation Type:	GFSK	(\mathcal{O})		(\mathcal{O})		6
Transfer Rate:	1Mbps	U		S		J
Number of Channel:	40					
Antenna Type:	LDS Antenna	а	12		10	
Antenna Gain:	Right ear: 0. Left ear: 0.5		(\mathcal{S})			
Power Supply:	Battery:	DC 3.85V				
Test Voltage:	DC 3.85V	~~~		~		
Sample Received Date:	Aug. 13, 202	24				
Sample tested Date:	Aug. 20, 202	24 to Aug. 27, 2	2024	S		S



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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)

4.3 Test Configuration

Test Software: BQB.exe					
EUT Power Grade:	Default (Po selected)	Default (Power level is built-in set parameters and cannot be changed selected)			
Use test software to transmitting of the E	set the lowest frequency UT.	/, the middle freque	ncy and the highest t	frequency keep	
Test Mode	Modulation	Rate	Channel	Frequency(MHz)	
Mode a	GFSK	1Mbps	CH0	2402	
Mode b	GFSK	1Mbps	CH19	2440	
	GFSK	1Mbps	CH39	2480	









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4.4 Test Environment

	Operating Environment	t:				
260	Radiated Spurious Emi	ssions:				
192	Temperature:	22~25.0 °C		(A)		(2)
2	Humidity:	50~55 % RH		C		C
	Atmospheric Pressure:	1010mbar				
	Conducted Emissions:					
	Temperature:	22~25.0 °C				
	Humidity:	50~55 % RH	(\mathcal{O})		(C)	
	Atmospheric Pressure:	1010mbar				
	RF Conducted:	·				
	Temperature:	22~25.0 °C		(3)		13
	Humidity:	50~55 % RH		(23)		(\mathcal{O})
~	Atmospheric Pressure:	1010mbar		J		U

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

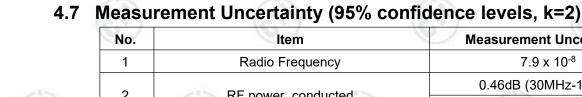
1)	support equipment
• /	ouppoir oquipinoni

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	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



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2	RF power, conducted	0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-40GHz)
		3.3dB (9kHz-30MHz)
3	Padiated Spurious opiasion test	4.3dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
(A)		3.4dB (18GHz-40GHz)
	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%

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Measurement Uncertainty

7.9 x 10⁻⁸



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5 Equipment List

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		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	06-26-2024	06-25-2025	
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-05-2023	09-04-2024	
Spectrum R&S Analyzer RWRF-test unit(power unit) MWRF-test		FSV40	101200	07-18-2024	07-17-2025	
		MW100-RFCB	MW220620CTI-42	06-25-2024	06-24-2025	
High-low temperature test chamber	ature Dong Guang LK-80GA		QZ20150611879	11-12-2023	12-10-2024	
Temperature/ Humidity Indicator	biaozhi	НМ10	1804186	05-29-2024	05-28-2025	
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	V2.0.0.0	(A)	6	
Spectrum Analyzer	R&S	FSV3044	101509	01-17-2024	01-16-2025	















	/				
	3M Semi-an	echoic Chamber (2)·	- Radiated disturba	ance Test	
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date
BM Chamber & Accessory Equipment	ТDК	SAC-3)	05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/22/2023	09/21/2024
ectrum 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	12/14/2023	12/13/2024
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	03/22/2024	03/21/2025
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		
Cable line	Fulai(6M)	SF106	5220/6A		
Cable line	Fulai(3M)	SF106	5216/6A		
Cable line	Fulai(3M)	SF106	5217/6A	S	













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		60		/	a	
		3M full-anechoi	c Chamber		1	
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	(A)	6	
Receiver			MY57290136	01-09-2024	01-08-2025	
Spectrum Analyzer	Keysight	N9020B	MY57111112	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	
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	Tonscend	EMC051845SE	980380	12-14-2023	12-13-2024	
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025	
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025	
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		2	
Cable line	Times	SFT205-NMSM-2.50M	394812-0002			
Cable line	Times	SFT205-NMSM-2.50M	394812-0003		(
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	(9	
Cable line	Times	SFT205-NMSM-7.00M	394815-0001			
Cable line	Times	HF160-KMKM-3.00M	393493-0001		(
)	67	6		(C)	C	





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:

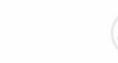
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output 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

Right ear: The antenna is LDS antenna. The best case gain of the antenna is 0.6dBi. Left ear: The antenna is LDS antenna. The best case gain of the antenna is 0.5dBi.









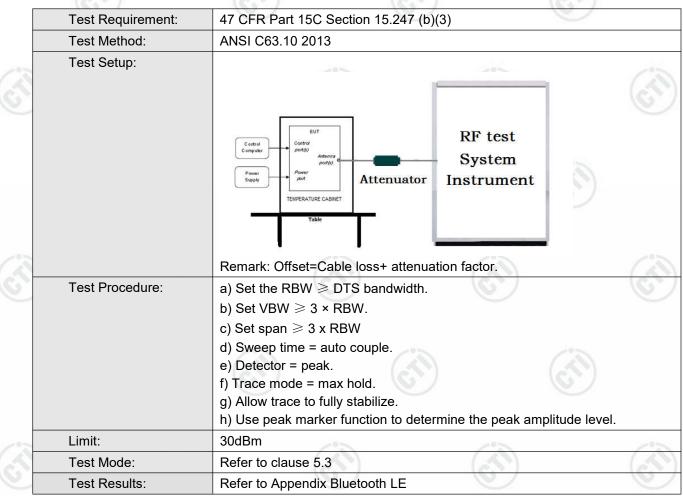






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6.2 Maximum Conducted Output Power









6.3 DTS Bandwidth

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
	Test Method:	ANSI C63.10 2013
8	Test Setup:	
		Control Congruer Power Supply TemPERATURE CABINET Table
8		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 Bluetooth LE







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6.4 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 Power Supply Temperature CABINET Table
2	Test Procedure:	Remark: Offset=Cable loss+ attenuation factor. 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 \leq RBW \leq 100 kHz. d) Set the VBW \geq [3 \times RBW].
		 e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold.
3		 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 2 kHz) and repeat
	Limit:	than 3 kHz) and repeat. ≤8.00dBm/3kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix Bluetooth LE
	(0)	

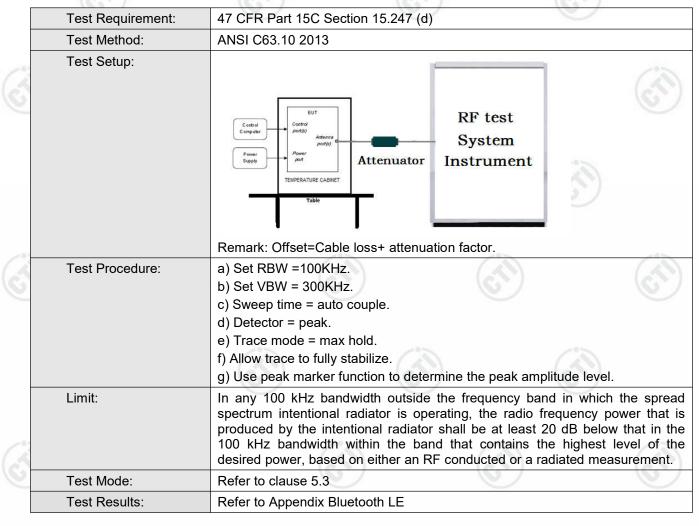






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6.5 Band Edge measurements and Conducted Spurious Emission











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6.6 Radiated Spurious Emission & Restricted bands

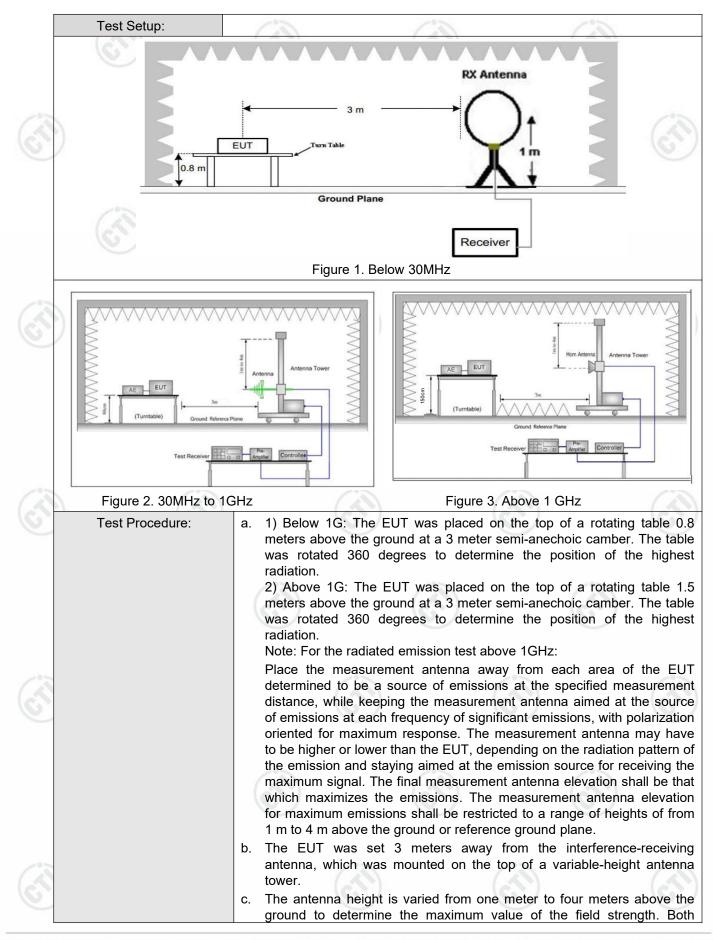
	Test Requirement:	47 CFR Part 15C Secti	on 15.209 and 15	5.205	C	/				
	Test Method:	ANSI C63.10 2013								
	Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)								
	Receiver Setup:	Frequency	Detector	RBW	VBW	Remark				
<u>S</u>		0.009MHz-0.090MH	z Peak	10kHz	z 30kHz	Peak				
		0.009MHz-0.090MH	z Average	10kHz	z 30kHz	Average				
		0.090MHz-0.110MH	z Quasi-peal	(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-peal	10kHz	z 30kHz	Quasi-peak				
		30MHz-1GHz	Quasi-peal	< 100 kH	z 300kHz	Quasi-peak				
13			Peak	1MHz	3MHz	Peak				
6		Above 1GHz	Peak	1MHz	10kHz	Average				
	Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measuremer distance (m				
		0.009MHz-0.490MHz	2400/F(kHz)	-	- / 5	300				
		0.490MHz-1.705MHz	24000/F(kHz)	-		30				
		1.705MHz-30MHz	30	-		30				
		30MHz-88MHz	100	40.0	Quasi-peak	3				
		88MHz-216MHz	150	43.5	Quasi-peak	3				
		216MHz-960MHz	200	46.0	Quasi-peak	3				
0		960MHz-1GHz	500	54.0	Quasi-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	20dB above the equipment under	maximum test. This p	permitted ave	erage emission				











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Test Results:	Pass
Test Mode:	Refer to clause 5.3
	i. Repeat above procedures until all frequencies measured was complete.
3	 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.
2	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
3	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.









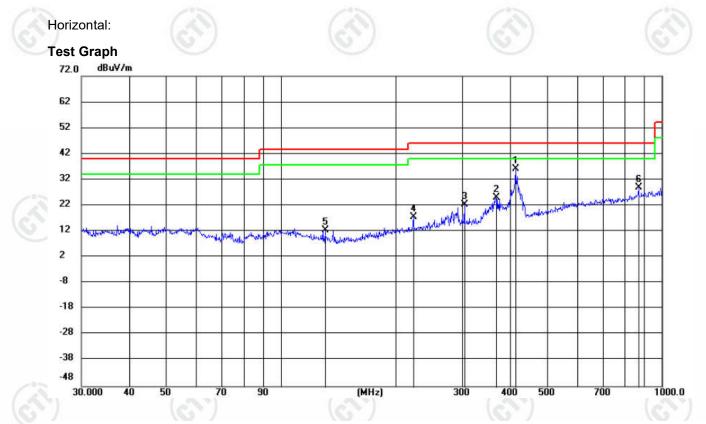


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Radiated Spurious Emission below 1GHz:

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

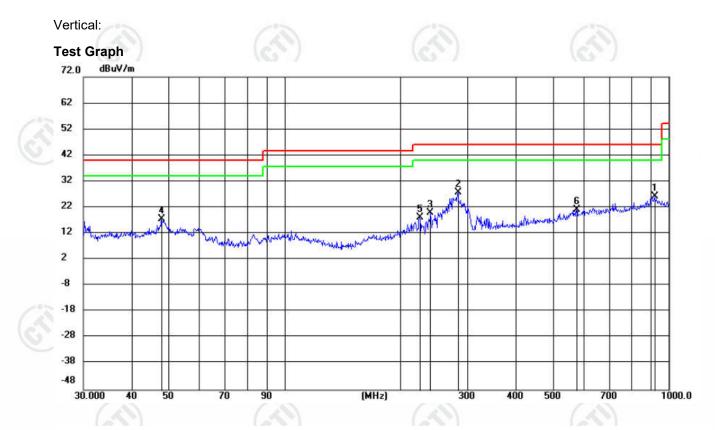


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	414.2136	17.71	18.30	36.01	46.00	-9.99	QP	100	202	
2		366.9517	7.68	17.41	25.09	46.00	-20.91	QP	200	286	
3		304.2363	6.21	16.23	22.44	46.00	-23.56	QP	100	110	
4		223.0284	4.44	13.25	17.69	46.00	-28.31	QP	100	58	
5		131.2504	2.57	9.80	12.37	43.50	-31.13	QP	100	286	
6		869.4350	3.48	25.49	28.97	46.00	-17.03	QP	100	223	









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		921.3842	3.42	22.71	26.13	46.00	-19.87	QP	100	157	
2	*	283.4817	14.21	13.65	27.86	46.00	-18.14	QP	100	146	
3		239.9873	7.59	12.22	19.81	46.00	-26.19	QP	200	22	
4		47.9771	4.55	13.04	17.59	40.00	-22.41	QP	100	167	
5		224.5586	6.43	11.71	18.14	46.00	-27.86	QP	200	2	
6		574.9281	1.97	19.05	21.02	46.00	-24.98	QP	100	22	



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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 of left ear was recorded in the report.

3	Mode	:		Bluetooth LE G	GFSK Transmit	ting	Channel:		2402 MHz	
	NO	Freq. [MHz]	Facto [dB]	Deedine	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Γ	1	1149.615	7.72	2 38.43	46.15	74.00	27.85	Pass	Н	PK
	2	1992.0992	9.87	40.83	50.70	74.00	23.30	Pass	Н	PK
	3	3325.0217	-16.8	8 54.22	37.34	74.00	36.66	Pass	Н	PK
	4	6635.2423	-7.17	7 54.20	47.03	74.00	26.97	Pass	Н	PK
	5	10299.4866	5.15	5 43.12	48.27	74.00	25.73	Pass	Н	PK
	6	14254.7503	14.69	9 38.20	52.89	74.00	21.11	Pass	Н	PK
3	7	1136.8137	7.31	38.10	45.41	74.00	28.59	Pass	V	PK
	8	1913.6914	11.29	9 37.25	48.54	74.00	25.46	Pass	V	PK
-	9	3380.0253	-17.0	2 53.86	36.84	74.00	37.16	Pass	V	PK
	10	5049.1366	-10.7	8 48.94	38.16	74.00	35.84	Pass	V	PK
	11	7960.3307	-1.01	1 45.52	44.51	74.00	29.49	Pass	V	PK
	12	14251.7501	14.9	5 38.47	53.42	74.00	20.58	Pass	V	PK

	Mode	:	Bl	uetooth LE G	FSK Transmi	tting	Channel:	2440 MHz		
3	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1158.6159	7.45	38.49	45.94	74.00	28.06	Pass	н	PK
	2	1997.6998	9.54	39.57	49.11	74.00	24.89	Pass	Н	PK
	3	3318.0212	-17.00	55.71	38.71	74.00	35.29	Pass	Н	PK
	4	5320.1547	-10.98	50.83	39.85	74.00	34.15	Pass	Н	PK
	5	7938.3292	-0.31	45.07	44.76	74.00	29.24	Pass	Н	PK
	6	14249.75	15.07	37.52	52.59	74.00	21.41	Pass	Н	PK
	7	1153.8154	7.61	37.79	45.40	74.00	28.60	Pass	V	PK
	8	1948.6949	12.35	35.03	47.38	74.00	26.62	Pass	V	PK
1	9	3317.0211	-17.01	53.46	36.45	74.00	37.55	Pass	V	PK
	10	5402.1601	-10.41	48.62	38.21	74.00	35.79	Pass	V	PK
_	11	9795.453	4.50	44.22	48.72	74.00	25.28	Pass	V	PK
	12	14252.7502	14.86	38.80	53.66	74.00	20.34	Pass	V	PK









Hotline:400-6788-333









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					19					9 m	
	Mode	:		Blu	etooth LE G	FSK Transmi	tting	Channel:		2480 MHz	2
	NO	Freq. [MHz]	Facto [dB]	r	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1158.0158	7.47		37.40	44.87	74.00	29.13	Pass	н	PK
	2	1994.2994	9.74		40.53	50.27	74.00	23.73	Pass	н	PK
	3	3318.0212	-17.00	2	54.45	37.45	74.00	36.55	Pass	Н	PK
	4	5050.1367	-10.72	2	48.54	37.82	74.00	36.18	Pass	Н	PK
	5	6647.2432	-7.35	,	50.98	43.63	74.00	30.37	Pass	Н	PK
	6	10899.5266	7.37		44.33	51.70	74.00	22.30	Pass	Н	PK
	7	1146.0146	7.60		38.40	46.00	74.00	28.00	Pass	V	PK
	8	1962.0962	11.66	3	36.95	48.61	74.00	25.39	Pass	V	PK
	9	3109.0073	-17.92	2	54.24	36.32	74.00	37.68	Pass	V	PK
	10	5053.1369	-10.77	7	48.02	37.25	74.00	36.75	Pass	V	PK
3	11	9146.4098	1.16		43.83	44.99	74.00	29.01	Pass	V	PK
	12	14247.7498	14.71		37.84	52.55	74.00	21.45	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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Restricted bands:



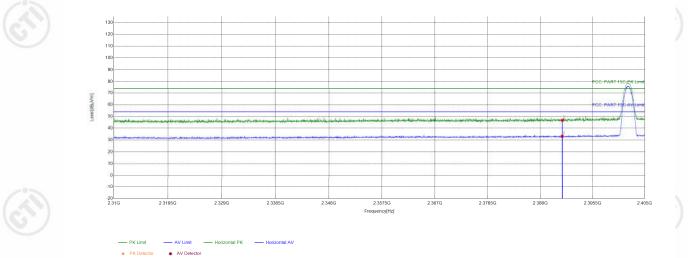


Test plot as follows:

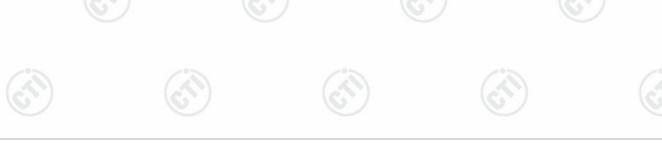
left ear:

Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2402MHz	Q
Tset_Engineer	Aiden.wang	Test_Date	2024\08\21	
Remark	, ©	C)	(C)	

Test Graph



N	С	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1		2390	11.29	35.49	46.78	74.00	27.22	PASS	Horizontal	PK
2	2	2390	11.29	21.78	33.07	54.00	20.93	PASS	Horizontal	AV



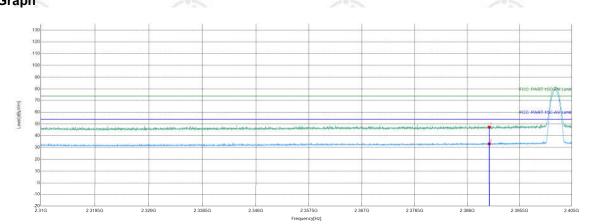




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Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2402MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\08\21

Test Graph



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

d List								
Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
2390	11.29	36.05	47.34	74.00	26.66	PASS	Vertical	PK
2390	11.29	21.80	33.09	54.00	20.91	PASS	Vertical	AV
	Freq. [MHz] 2390	Freq. [MHz]Factor [dB]239011.29	Freq. [MHz]Factor [dB]Reading [dBµV]239011.2936.05	Freq. [MHz] Factor [dB] Reading [dBμV] Level [dBμV/m] 2390 11.29 36.05 47.34	Freq. [MHz]Factor [dB]Reading [dBμV]Level [dBμV/m]Limit [dBμV/m]239011.2936.0547.3474.00	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]239011.2936.0547.3474.0026.66	Freq. [MHz]Factor [dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]Result239011.2936.0547.3474.0026.66PASS	Freq. [MHz]Factor [dB]Reading [dBμV]Level [dBμV/m]Limit [dBμV/m]Margin [dB]ResultPolarity239011.2936.0547.3474.0026.66PASSVertical



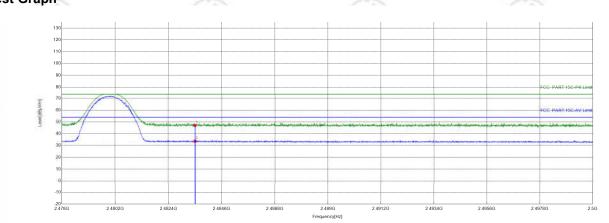






Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2480MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\08\21

Test Graph



- PK Limit - AV Limit - Horizontal PK - Horizontal AV * AV Detector

**>	(1°2		12		1	2		13
<u>S</u>	Suspecte	d List								
긴	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
ſ	1	2483.5	11.32	35.78	47.10	74.00	26.90	PASS	Horizontal	PK
Ī	2	2483.5	11.32	22.34	33.66	54.00	20.34	PASS	Horizontal	AV
-	6			67		6			67)	















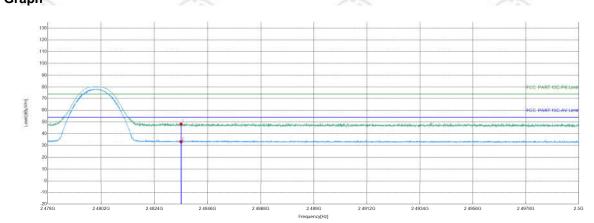




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Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2480MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\08\21

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	11.32	36.92	48.24	74.00	25.76	PASS	Vertical	PK
2	2483.5	11.32	21.85	33.17	54.00	20.83	PASS	Vertical	AV

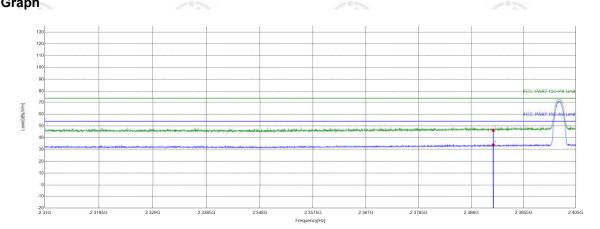






right ear: Test_Mode BLE 1M GFSK Transmitting Test_Frequency 2402MHz Tset_Engineer Aiden.wang Test_Date 2024\08\21 Remark \

Test Graph



S	Suspecte	d List			2°					20
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390	11.29	34.95	46.24	74.00	27.76	PASS	Horizontal	PK
	2	2390	11.29	22.50	33.79	54.00	20.21	PASS	Horizontal	AV
	G			67		(C)		2	S)	



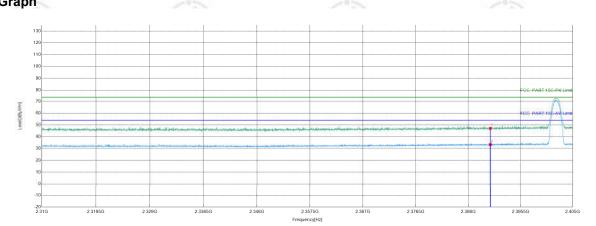




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Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2402MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\08\21

Test Graph



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

Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
				[]			
11.29	35.82	47.11	74.00	26.89	PASS	Vertical	PK
11.29	22.02	33.31	54.00	20.69	PASS	Vertical	AV



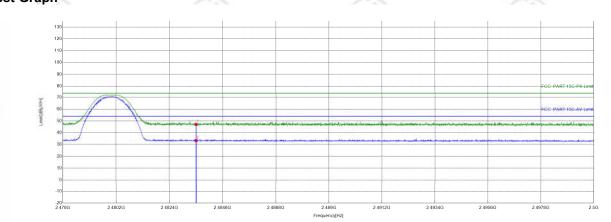






Test_Mode Transmitting	Test_Frequen	icy 2480MHz	
Tset_Engineer Aiden.wang	Test_Date	2024\08\21	(

Test Graph



- PK Limit - AV Limit ----- Horizontal PK ----- Horizontal AV * AV Detector

1° 20			1°2		12		1	2		13
<u> </u>	Suspected List									
2	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
Γ	1	2483.5	11.32	35.75	47.07	74.00	26.93	PASS	Horizontal	PK
	2	2483.5	11.32	22.00	33.32	54.00	20.68	PASS	Horizontal	AV
-	6	C)		67		6			S)	















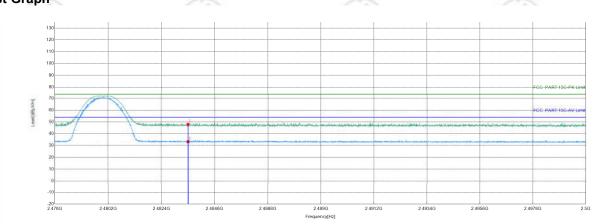




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Test_Mode	BLE 1M GFSK Transmitting	Test_Frequency	2480MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\08\21

Test Graph



PK Limit AV Limit Vertical PK Vertical AV AV Detector

Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	11.32	36.72	48.04	74.00	25.96	PASS	Vertical	PK
2	2483.5	11.32	21.93	33.25	54.00	20.75	PASS	Vertical	AV
10	51		657		6.			GT /	-

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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