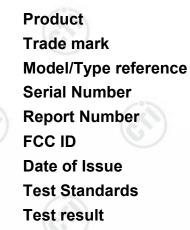




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- : Pulse Oximeter
- : N/A
- : PO5, PO5-1, PO5-2, PO5-3
- : N/A
- : EED32N81294701
- : 2ADXK-4728
- : Mar. 17, 2022
- : 47 CFR Part 15 Subpart C
- : PASS

Prepared for:

Shenzhen Viatom Technology Co., Ltd. 4E, 3#, Tingwei Industrial Park, Honglang North 2nd Road, 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

Ì	INTERNATION .	Martin Lee David Wang	Reviewed by: Date:	Aaron Ma Aaron Ma Mar. 17, 2022	(I)
	Report Seal	David Wang	(A)	Check No.: 823102	21221
	(A)				





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1 Conten	t						
1 CONTENT	••••••				••••••		
2 VERSION						••••••	
3 TEST SUMMA	RY					••••••	
4 GENERAL INF	ORMATION	••••••				••••••	
4.1 CLIENT INF 4.2 GENERAL I 4.3 TEST CONI 4.4 TEST ENVI 4.5 DESCRIPTI 4.6 TEST LOCA 4.7 MEASUREN	Description of Figuration Ronment DN of Suppor Ition	F EUT		0		$\odot$	
5 EQUIPMENT L		· ·					
6 TEST RESULT							
6.1 ANTENNA F 6.2 MAXIMUM ( 6.3 DTS BAND 6.4 MAXIMUM F 6.5 BAND EDG 6.6 RADIATED	Conducted O width Power Specti e measuremei	UTPUT POWER RAL DENSITY NTS AND CONI	R	OUS EMISSION	N		
7 APPENDIX A	•••••						
PHOTOGRAPH	S OF TEST SI	ETUP	•••••	•••••		•••••	
PHOTOGRAPHS	S OF EUT CO	NSTRUCTIO	NAL DETAIL	.S			

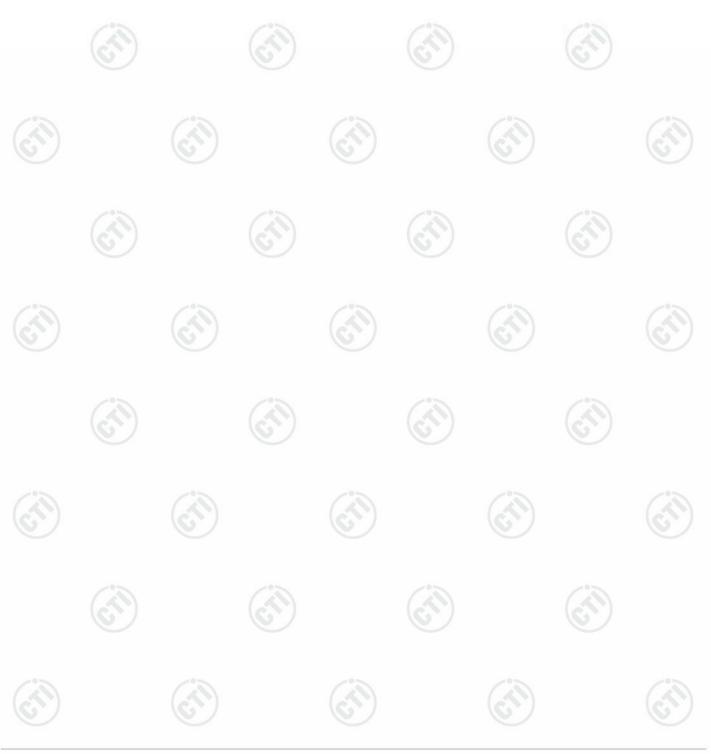
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#### 2 Version



<b>∠</b>			- 6		
	Version No.	Date		Description	/
	00	Mar. 17, 2022		Original	
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#### ost 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	

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.







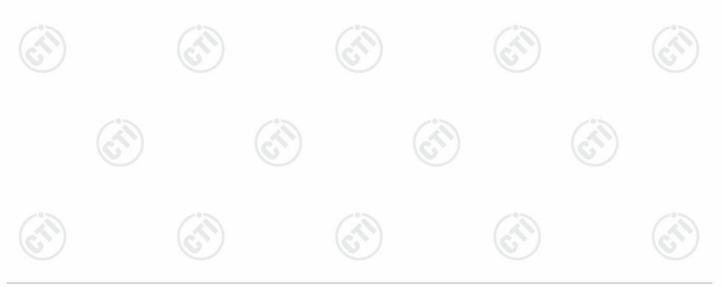
## 4 General Information

## 4.1 Client Information

Applicant:	Shenzhen Viatom Technology Co., Ltd.
Address of Applicant:	4E, 3#, Tingwei Industrial Park, Honglang North 2nd Road, Baoan District, Shenzhen, China
Manufacturer:	Shenzhen Viatom Technology Co., Ltd.
Address of Manufacturer:	501, Building B, Ganghongji High-tech Intelligent Industrial Park, No.1008 Songbai Road, Xili Street, Nanshan District, 518055 Shenzhen, China
Factory:	Shenzhen Viatom Technology Co., Ltd.
Address of Factory:	501, Building B, Ganghongji High-tech Intelligent Industrial Park, No.1008 Songbai Road, Xili Street, Nanshan District, 518055 Shenzhen, China

# 4.2 General Description of EUT

Product Name:	Pulse Oximeter
Model No.:	PO5, PO5-1, PO5-2, PO5-3
Test Model No.:	PO5
Trade mark:	N/A
Bluetooth Version:	V4.2
Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	⊠ 1Mbps □ 2Mbps
Number of Channel:	40
Product Type:	☐ Mobile
Antenna Type:	Ceramic antenna
Antenna Gain:	3.45dBi
Power Supply:	Lithium battery: DC 3.7V, Charge by DC 5.0V
Test Voltage:	DC 3.7V
Sample Received Date:	Dec. 08, 2021
Sample tested Date:	Dec. 25, 2021 to Mar. 16, 2022



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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:

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













# 4.3 Test Configuration

EUT Test Software	Settings:			
Software:	Direct Test	Mode Tool (manufa	cturer declare)	-5%
EUT Power Grade:	Class2 (Por selected)	wer level is built-in s	set parameters and c	annot be changed and
Use test software to transmitting of the EU	set the lowest frequency JT.	/, the middle freque	ncy and the highest f	frequency 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

## 4.4 Test Environment

: 5.0 °C 5 % RH			~>	
			~>	
5 % RH			1°2	
mbar	$(\mathcal{C}^{*})$		$(\mathcal{O})$	
5.0 °C				
5 % RH		13		1
mbar		$(\mathcal{S})$		6
	5.0 °C 5 % RH	5.0 °C 5 % RH	5.0 °C 5 % RH	5.0 °C 5 % RH

## 4.5 Description of Support Units

The EUT has been tested with associated equipment below.

	ociated nent name	Manufacture	model	S/N serial number	Supplied by	Certification
AE1	Notebook	DELL	DELL 3490	D245DX2	1	FCC ID







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 <sup>-8</sup>
2		0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-18GHz)
		3.3dB (9kHz-30MHz)
3 Ra	Dedicted Couvieurs emission test	4.3dB (30MHz-1GHz)
	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
	Quarter	3.5dB (9kHz to 150kHz)
•)	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%







# 5 Equipment List

		RF test	system		
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-24-2021	12-23-2022
Signal Generator	Keysight	N5182B	MY53051549	12-24-2021	12-23-2022
Signal Generator	Agilent	N5181A	MY46240094	12-24-2021	12-23-2022
DC Power	Keysight	E3642A	MY56376072	12-24-2021	12-23-2022
Power unit	R&S	OSP120	101374	12-24-2021	12-23-2022
RF control unit	JS Tonscend	JS0806-2	158060006	12-24-2021	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	12-24-2021	12-23-2022
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	06-23-2021	06-22-2022
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	2.6.77.0518		

				1			
		3M Sem	i/full-anechoic Cham	ber			
	Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy) 05-23-2022 05-15-2022	
3	M Chamber & Accessory Equipment	TDK	SAC-3	-	05-24-2019		
TR	RILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	05-16-2021		
	Receiver	R&S	ESCI7	100938-003	10-15-2021	10-14-2022	
	Multi device Controller	maturo	NCD/070/10711112				
	Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04-15-2021	04/14/2024	
	Spectrum Analyzer	R&S	FSP40	100416	04-29-2021	04-28-2022	
	Microwave Preamplifier	Agilent	8449B	3008A02425	06-23-2021	06-22-2022	



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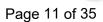


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		3M full-anech		0.1.5.4	
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166		
Receiver	Keysight	N9038A	MY57290136	03-04-2021 03-03-2022	03-03-2022 03-02-2023
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-04-2021 03-03-2022	03-03-2022 03-02-2023
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-04-2021 03-03-2022	03-03-2022 03-02-2023
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
Communication test set	R&S	CMW500	102898	12-24-2021	12-23-2022
Preamplifier	EMCI	EMC001330	980563	04-15-2021	04-14-2022
Preamplifier	JS Tonscend	980380	EMC051845SE	12-24-2021	12-23-2022
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-16-2021	04-15-2022
Fully Anechoic Chamber	TDK	FAC-3	(J)	01-09-2021	01-08-2024
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	$\odot$	(6
Cable line	ne Times SFT205-NMSM- 2.50M		393495-0001		
Cable line	Times	EMC104-NMNM- 1000	SN160710		<u> - (S)</u>
Cable line	Times	SFT205-NMSM- 3.00M	394813-0001		9
Cable line	Times	SFT205-NMNM- 1.50M	381964-0001		
Cable line	Times	SFT205-NMSM- 7.00M	394815-0001		(2
Cable line	Times	HF160-KMKM- 3.00M	393493-0001		







### 6 Test results and Measurement Data

#### 6.1 Antenna Requirement

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

#### 15.203 requirement:

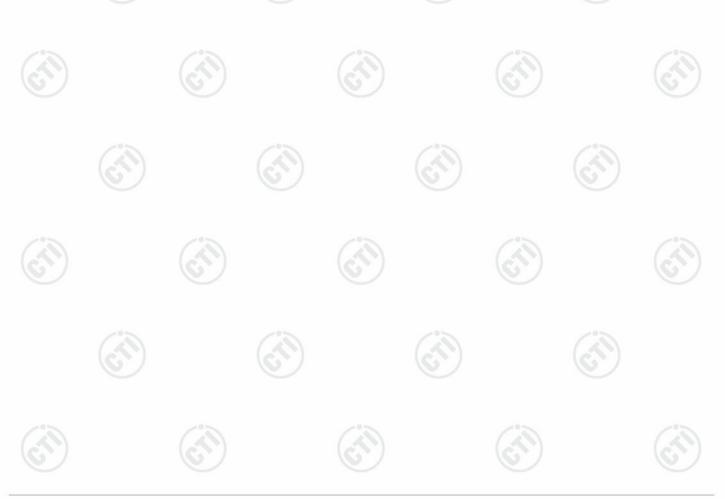
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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
<b>T</b> I	

The antenna is Ceramic antenna. The best case gain of the antenna is 3.45dBi.

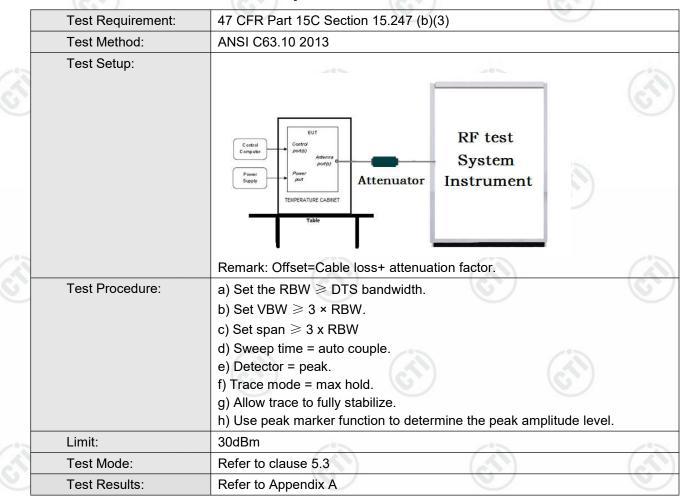


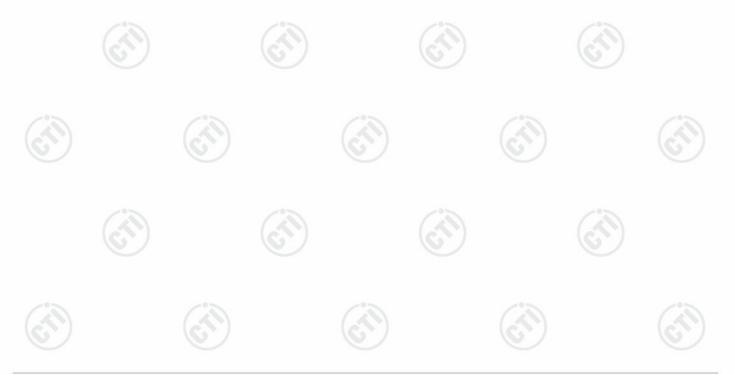




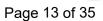
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## 6.2 Maximum Conducted Output Power









#### 6.3 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Computer Dont(b) Power Supply TeMPERATURE CABNET Table
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	<ul> <li>a) Set RBW = 100 kHz.</li> <li>b) Set the VBW ≥[3 × RBW].</li> <li>c) Detector = peak.</li> <li>d) Trace mode = max hold.</li> <li>e) Sweep = auto couple.</li> <li>f) Allow the trace to stabilize.</li> <li>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.</li> </ul>
Limit:	≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix A



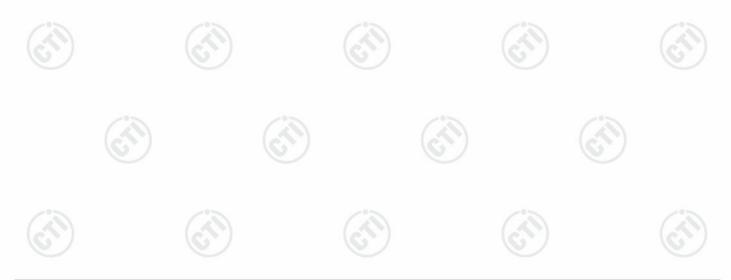




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## 6.4 Maximum Power Spectral Density

	Test Requirement:	47 CFR Part 15C Section 15.247 (e)
	Test Method:	ANSI C63.10 2013
C > 2	Test Setup:	
		Control Computer Power Suppy TehnPERATURE CABNET Table
2		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	<ul> <li>a) Set analyzer center frequency to DTS channel center frequency.</li> <li>b) Set the span to 1.5 times the DTS bandwidth.</li> <li>c) Set the RBW to 3 kHz &lt; RBW &lt; 100 kHz.</li> <li>d) Set the VBW &gt; [3 × RBW].</li> <li>e) Detector = peak.</li> <li>f) Sweep time = auto couple.</li> <li>g) Trace mode = max hold.</li> <li>h) Allow trace to fully stabilize.</li> <li>i) Use the peak marker function to determine the maximum amplitude level within the RBW.</li> <li>j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.</li> </ul>
	Limit:	≤8.00dBm/3kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix A







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## 6.5 Band Edge measurements and Conducted Spurious Emission

	Test Requirement:	47 CFR Part 15C Section 15.247 (d)
	Test Method:	ANSI C63.10 2013
3	Test Setup:	Control Control Power Supply TemPERATURE CABNET Table
		Remark: Offset=Cable loss+ attenuation factor.
NO	Test Procedure:	<ul> <li>a) Set RBW =100KHz.</li> <li>b) Set VBW = 300KHz.</li> <li>c) Sweep time = auto couple.</li> <li>d) Detector = peak.</li> <li>e) Trace mode = max hold.</li> <li>f) Allow trace to fully stabilize.</li> <li>g) Use peak marker function to determine the peak amplitude level.</li> </ul>
	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.
2	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix A









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## 6.6 Radiated Spurious Emission & Restricted bands

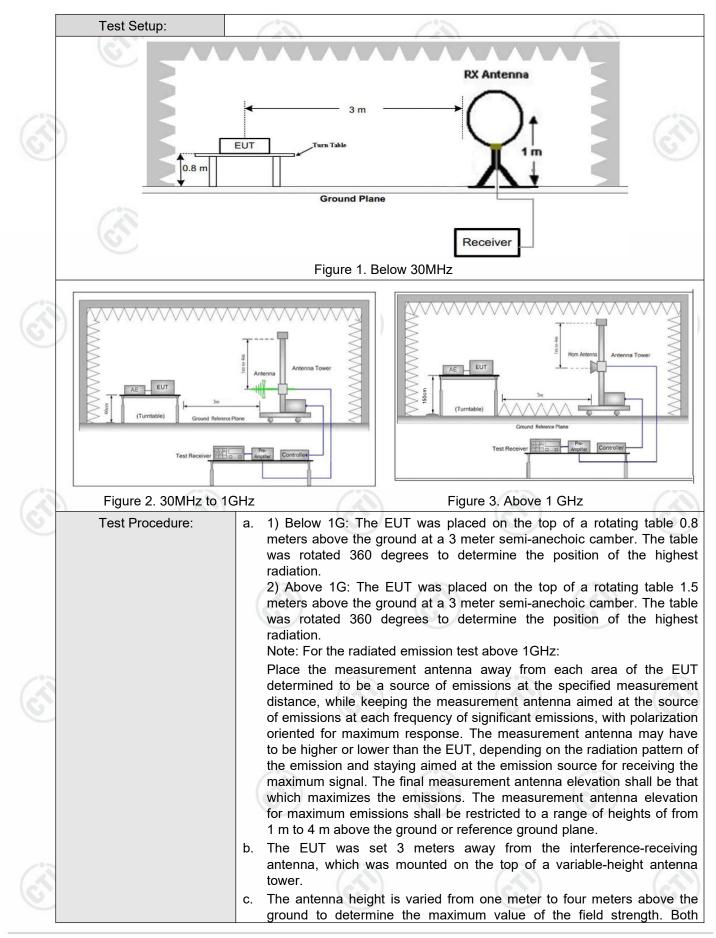
	Test Requirement:	47 CFR Part 15C Secti	ion 15	.209 and 15	.205			C	/
	Test Method:	ANSI C63.10 2013							
	Test Site:	Measurement Distance	e: 3m	Semi-Anech	hoic	Chamb	per)		
	Receiver Setup:	Frequency	1	Detector		RBW	V	BW	Remark
<u>S</u>		0.009MHz-0.090MH	lz	Peak		10kHz	30	)kHz	Peak
		0.009MHz-0.090MH	lz	Average		10kHz	30	)kHz	Average
		0.090MHz-0.110MH	lz	Quasi-peak		10kHz	30	)kHz	Quasi-peak
		0.110MHz-0.490MH	lz	Peak		10kHz	30	kHz	Peak
		0.110MHz-0.490MH	lz	Average		10kHz	30	kHz	Average
		0.490MHz -30MHz	<u>z</u>	Quasi-peak		10kHz	30	)kHz	Quasi-peak
		30MHz-1GHz		Quasi-peak	: 1	00 kHz	z 30	0kHz	Quasi-peak
13				Peak		1MHz	31	ИНz	Peak
6		Above 1GHz	P) [	Peak		1MHz	10	)kHz	Average
	Limit:	Frequency		Field strength (microvolt/meter)		imit uV/m)	Remark		Measuremer distance (m
		0.009MHz-0.490MHz	24	00/F(kHz)		-			300
		0.490MHz-1.705MHz	240	00/F(kHz)		-	1	$(\mathcal{S})$	30
		1.705MHz-30MHz		30		-		C	30
		30MHz-88MHz		100		0.0	Quasi	i-peak	3
- 10-		88MHz-216MHz		150	43	3.5	Quasi	-peak	3
		216MHz-960MHz	6	200	46	5.0	Quasi	-peak	3
(U)		960MHz-1GHz		500	54	1.0	Quasi	-peak	3
		Above 1GHz		500	54	4.0	Ave	rage	3
		Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rac	s 20dE equipn	above the nent under t	max test.	imum p	bermit	ted av	erage emission







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# CTI华测检测

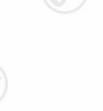
Report No.: EED32N81294701

	100011000000	1 400
	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 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.
x		<ul> <li>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.</li> </ul>
		horizontal and vertical polarizations of the antenna are set to make the measurement.

















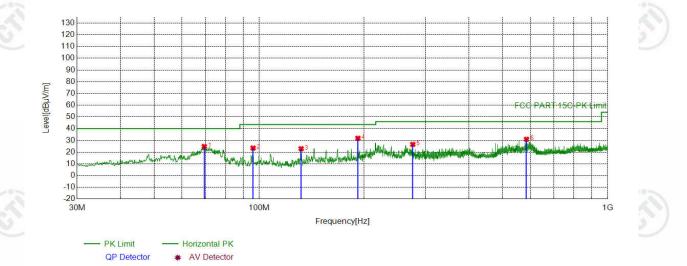
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#### Report No.: EED32N81294701

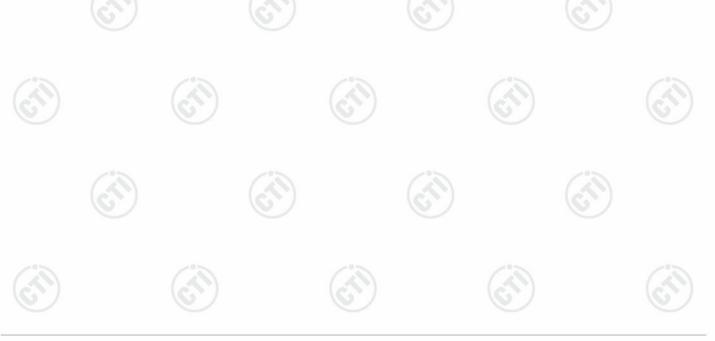
#### **Radiated Spurious Emission below 1GHz:**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case mode c was recorded in the report.

#### **Test Graph**



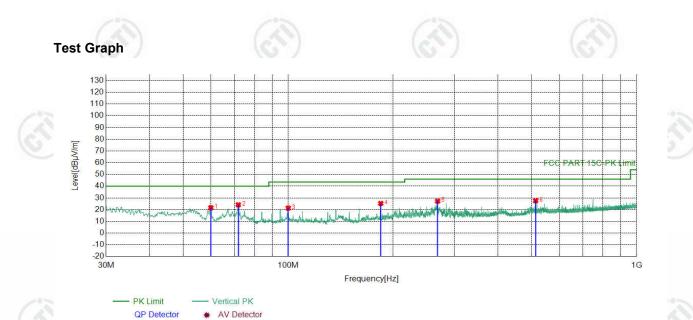
N	10	Freq.	Factor	Reading	Level	Limit	Margin [dB]	Result	Polarity	Remark
		[MHz]	[dB]	[dBµV]	[dBµV/m]	[dBµV/m]	Margin [db]	Result	Tolanty	Remark
	1	69.5800	-20.70	45.54	24.84	40.00	15.16	PASS	Horizontal	Peak
	2	96.0636	-19.08	42.56	23.48	43.50	20.02	PASS	Horizontal	Peak
1	3	131.9572	-21.66	44.59	22.93	43.50	20.57	PASS	Horizontal	Peak
	4	192.0062	-18.58	50.42	31.84	43.50	11.66	PASS	Horizontal	Peak
	5	275.9196	-16.02	42.64	26.62	46.00	19.38	PASS	Horizontal	Peak
	6	584.8955	-8.99	39.97	30.98	46.00	15.02	PASS	Horizontal	Peak



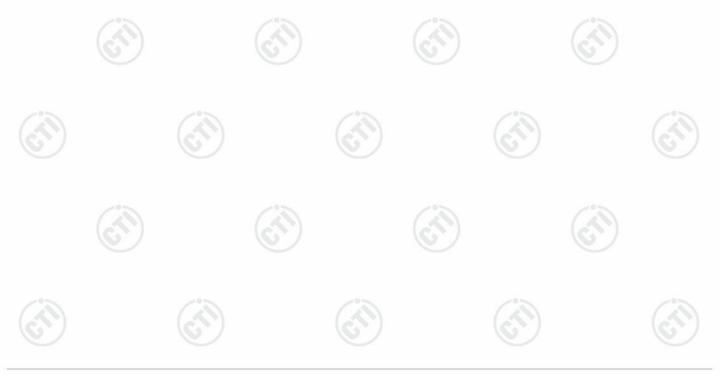




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NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	59.9760	-18.49	40.07	21.58	40.00	18.42	PASS	Vertical	Peak
2	71.9082	-21.14	45.25	24.11	40.00	15.89	PASS	Vertical	Peak
3	100.0410	-18.40	39.71	21.31	43.50	22.19	PASS	Vertical	Peak
4	184.3424	-19.36	44.65	25.29	43.50	18.21	PASS	Vertical	Peak
5	268.4498	-16.18	43.41	27.23	46.00	18.77	PASS	Vertical	Peak
6	513.1083	-10.59	38.16	27.57	46.00	18.43	PASS	Vertical	Peak
wy		6	)	6		6		0	9

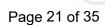




#### Radiated Spurious Emission above 1GHz:

	Mode:				ode: BLE GFSK Transmitting(1Mbps) Ch					2402 MHz	
2	NO	Freq. [MHz]	Facto [dB]	r	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1296.0296	1.05		41.63	42.68	74.00	31.32	Pass	Н	PK
Ī	2	1768.6769	3.17		40.47	43.64	74.00	30.36	Pass	Н	PK
Ī	3	4803.1202	-16.23	3	73.78	57.55	74.00	16.45	Pass	Н	PK
Ī	4	4805.1203	-16.23	3	65.26	49.03	54.00	4.97	Pass	Н	AV
Ī	5	7205.2804	-11.83	}	78.82	66.99	74.00	7.01	Pass	Н	PK
Ī	6	7207.2805	-11.83	3	56.99	45.16	54.00	8.84	Pass	Н	AV
Ī	7	9334.4223	-7.96		51.80	43.84	74.00	30.16	Pass	Н	PK
3	8	12528.6352	-4.62		51.06	46.44	74.00	27.56	Pass	Н	PK
	9	1221.4221	0.86		41.34	42.20	74.00	31.80	Pass	Н	PK
-	10	1663.2663	2.70		40.15	42.85	74.00	31.15	Pass	V	PK
Ī	11	4803.1202	-16.23	3	72.35	56.12	74.00	17.88	Pass	V	PK
Ī	12	4805.1203	-16.23	3	65.11	48.88	54.00	5.12	Pass	V	AV
Ī	13	7205.2804	-11.83	}	77.20	65.37	74.00	8.63	Pass	V	PK
Ī	14	7206.2804	-11.83	}	59.00	47.17	54.00	6.83	Pass	V	AV
Ī	15	9792.4528	-7.40		50.61	43.21	74.00	30.79	Pass	V	PK
Ī	16	12943.6629	-4.28		50.26	45.98	74.00	28.02	Pass	V	PK

Mode:			BLE GFSK Tra	nsmitting(1Mb	Channel:		2440 MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1303.2303	1.07	41.86	42.93	74.00	31.07	Pass	Н	PK
2	1986.0986	4.48	40.97	45.45	74.00	28.55	Pass	н	PK
3	4879.1253	-16.21	74.33	58.12	74.00	15.88	Pass	н	PK
4	4881.1254	-16.21	60.62	44.41	54.00	9.59	Pass	н	AV
5	7320.2880	-11.65	75.05	63.40	74.00	10.60	Pass	н	PK
6	7320.2880	-11.65	56.14	44.49	54.00	9.51	Pass	н	AV
7	10087.4725	-7.03	51.75	44.72	74.00	29.28	Pass	Н	PK
8	12598.6399	-4.12	50.54	46.42	74.00	27.58	Pass	н	PK
9	1221.8222	0.86	42.02	42.88	74.00	31.12	Pass	V	PK
10	1722.8723	3.02	40.76	43.78	74.00	30.22	Pass	V	PK
11	4880.1253	-16.21	74.26	58.05	74.00	15.95	Pass	V	PK
12	4880.1253	-16.21	60.27	44.06	54.00	9.94	Pass	V	AV
13	7319.2880	-11.66	73.44	61.78	74.00	12.22	Pass	V	PK
14	7320.2880	-11.65	55.89	44.24	54.00	9.76	Pass	V	AV
15	9809.4540	-7.35	50.58	43.23	74.00	30.77	Pass	V	PK
16	14477.7652	0.11	48.09	48.20	74.00	25.80	Pass	V	PK
)		6	)			6	)		(a)











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		10-		202				100				
	Mode	:		BLE GFSK Transmitting(1Mbps)				Channel:		2480 MHz		
	NO	Freq. [MHz]	Factor [dB]	r Read [dBµ		Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
-	1	1392.2392	1.36	43.3	5	44.71	74.00	29.29	Pass	Н	PK	
	2	1812.0812	3.37	42.0	3	45.40	74.00	28.60	Pass	н	PK	
2	3	4855.1237	-16.21	55.4	0	39.19	74.00	34.81	Pass	Н	PK	
	4	7439.2960	-11.34	67.7	'5	56.41	74.00	17.59	Pass	Н	PK	
	5	7441.2961	-11.34	56.6	51	45.27	54.00	8.73	Pass	Н	AV	
	6	11200.5467	-6.43	53.6	3	47.20	74.00	26.80	Pass	Н	PK	
	7	14329.7553	0.05	49.9	)1	49.96	74.00	24.04	Pass	Н	PK	
	8	1422.2422	1.41	43.1	7	44.58	74.00	29.42	Pass	V	PK	
	9	1862.6863	3.75	41.3	9	45.14	74.00	28.86	Pass	V	PK	
	10	4855.1237	-16.21	55.5	6	39.35	74.00	34.65	Pass	V	PK	
13	11	7440.2960	-11.34	70.2	9	58.95	74.00	15.05	Pass	V	PK	
	12	7441.2961	-11.34	60.0	)5	48.71	54.00	5.29	Pass	V	AV	
_	13	10993.5329	-6.17	52.2	25	46.08	74.00	27.92	Pass	V	PK	
	14	14321.7548	-0.08	50.7	0	50.62	74.00	23.38	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 + Factor

Factor=Antenna Factor + Cable Factor - Preamplifier Factor

2

2) Scan from 9kHz to 25GHz, the disturbance above 18GHz 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.











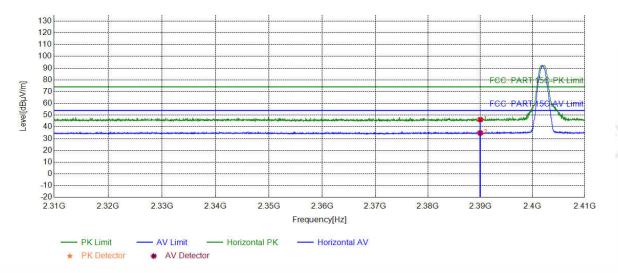
Fage 20



Test plot as follows:

Mode:	BLE GFSK Transmitting(1Mbps)	Channel:	2402 MHz
Remark:		63	)

Test Graph

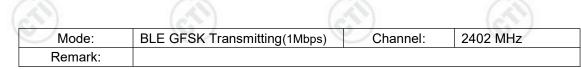


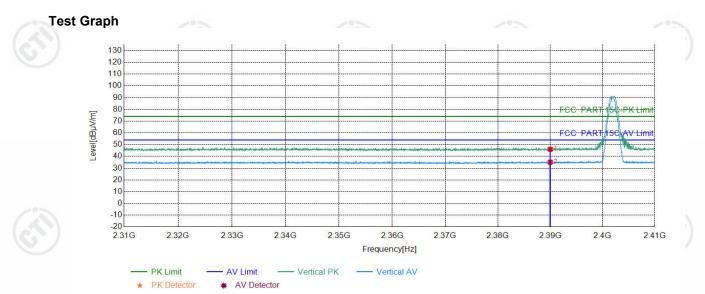
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
6	1	2390.0000	5.77	40.40	46.17	74.00	27.83	PASS	Horizontal	PK
	2	2390.0000	5.77	29.06	34.83	54.00	19.17	PASS	Horizontal	AV





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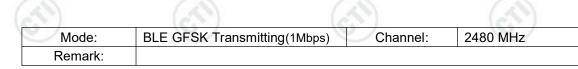
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390.0000	5.77	40.32	46.09	74.00	27.91	PASS	Vertical	PK
10-	2	2390.0000	5.77	29.27	35.04	54.00	18.96	PASS	Vertical	AV
	9	(	2				(2)	(1)		(A)

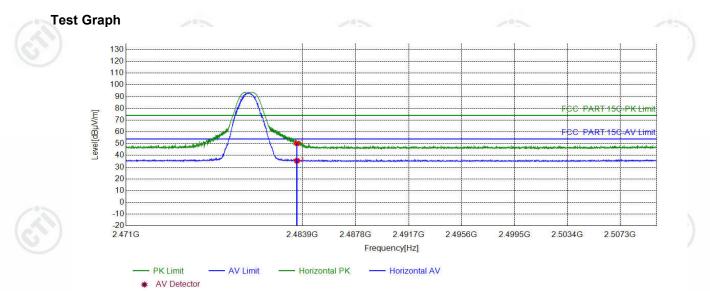




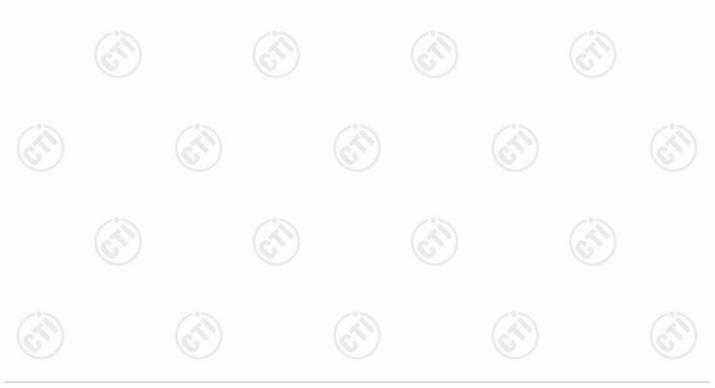


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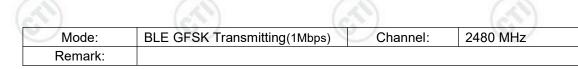


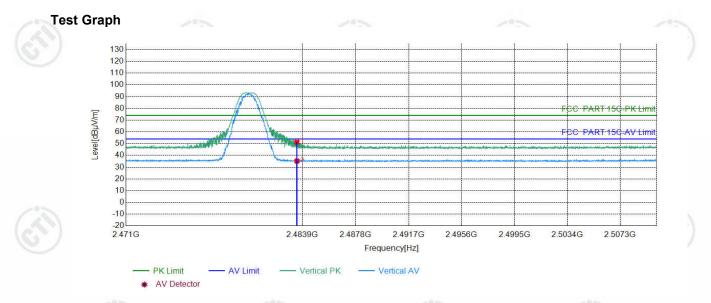
1				A -					7 · A		
	NO	Freq.	Factor	Reading	Level	Limit	Margin	Result	Polarity	Remark	
	NO	[MHz]	[dB]	[dBµV]	[dBµV/m]	[dBµV/m]	[dB]	Result	Result	Foldrity	Rentalk
	1	2483.5000	6.57	43.69	50.26	74.00	23.74	PASS	Horizontal	PK	
	2	2483.5000	6.57	28.88	35.45	54.00	18.55	PASS	Horizontal	AV	
	9	(	20			7		$\mathcal{O}$			





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	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
[	1	2483.5000	6.57	44.70	51.27	74.00	22.73	PASS	Vertical	PK
10-	2	2483.5000	6.57	28.63	35.20	54.00	18.80	PASS	Vertical	AV
3	)	(	( <sup>1</sup> )		(c1)	(	ć	9		(d)

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 + Factor

