



EST REPORT

Product Trade mark Model/Type reference **Serial Number Report Number** FCC ID Date of Issue **Test Standards** Test result

Pulse Oximeter

Viatom ÷ PO6B, PO6C 2

N/A 1

EED32O80030601 5

2ADXK-1631

Mar. 14, 2022 :

PASS

47 CFR Part 15 Subpart C

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

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Check No.: 5632100122



Hotline:400-6788-333

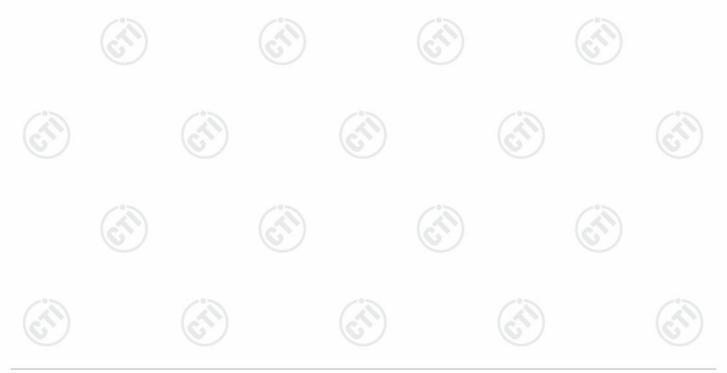






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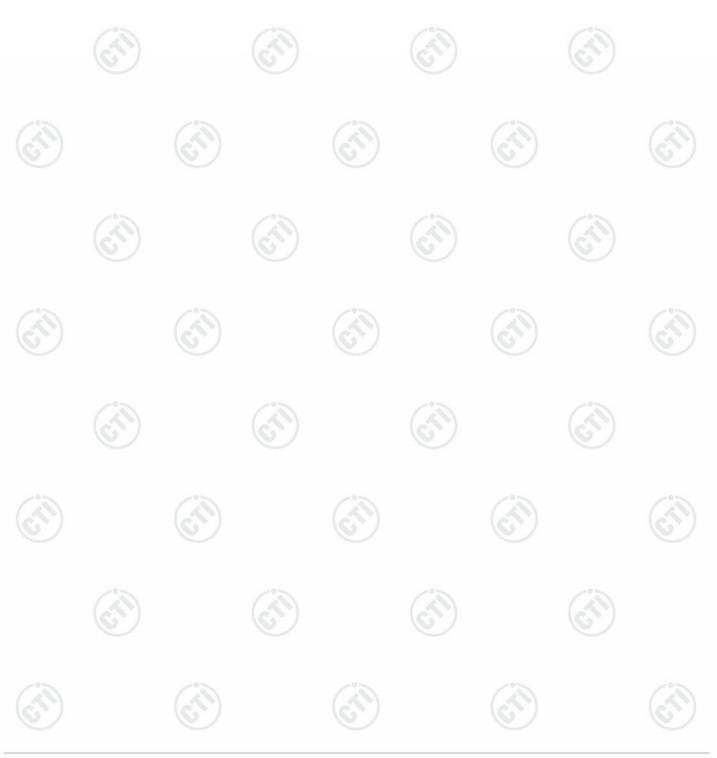
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3 Version

	Version No.	Date	L.	Description	/
	00	Mar. 14, 2022		Original	
2	1	1	1	(°)	100
2	6	S?) (2	25	(25)	65





4 Test Summary



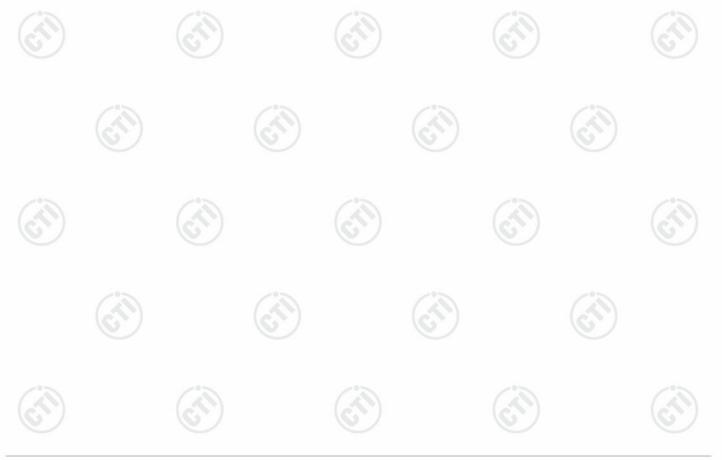
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	Test Item	Test Requirement	Result	
	AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	N/A	
	DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS PASS	
	Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)		
	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			
	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. Model No.: PO6B,PO6C

Only the model PO6B was tested.The appearance structure and key components of PO6B and PO6C are the same. Among them, PO6B has the most complete configuration, so PO6B can cover the PO6C in the test.





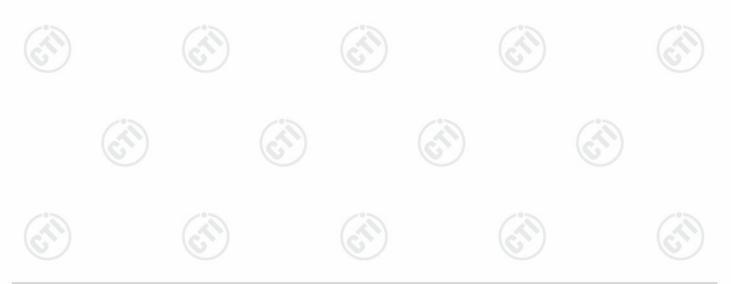
5 General Information

5.1 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

5.2 General Description of EUT

Product Name:	Pulse Oximeter				
Model No.:	PO6B, PO6C		(à)		(3)
Test Model No.:	PO6B		(\mathbf{C})		$\langle \mathcal{O} \rangle$
Trade mark:	Viatom		\smile		
Product Type:	Portable				
Test Software of EUT:	PhyPlusKit	(in)			
Operation Frequency:	2402MHz~2480MHz	67)		(\mathcal{O})	
Modulation Type:	GFSK				
Transfer Rate:	1Mbps, 2Mbps				
Number of Channel:	40		13		10
Antenna Type:	PCB Antenna		(\sim)		(\sim)
Antenna Gain:	0 dBi		U		
Test Voltage:	DC 3V				
Power Supply:	DC 3V				
Sample Received Date:	Jan. 10, 2022				
Sample tested Date:	Jan. 10, 2022 to Jan. 27, 202	22		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:

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

5.3 Test Configuration

EUT Test Software	e Settings:			
Software: PhyF		usKit(manufacturer decla	re)	(25)
EUT Power Grade: Class2 (Po selected)		2 (Power level is built-in s ed)	set parameters and c	annot be changed and
Use test software to transmitting of the I	•	uency, 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	Mode b GFSK		CH19	2440
Mode c	GFSK	1Mbps	СН39	2480
Mode d	GFSK	2Mbps	СН0	2402
Mode e	GFSK	2Mbps	CH19	2440
Mode f	GFSK	2Mbps	CH39	2480





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5.4 Test Environment

Operating Environment	:			
Radiated Spurious Emi	ssions:			
Temperature:	22~25.0 °C	0		(2)
Humidity:	50~55 % RH	9	(e)	()
Atmospheric Pressure:	1010mbar			
RF Conducted:	·			
Temperature:	22~25.0 °C		C	0
Humidity:	50~55 % RH	$\langle \mathcal{O}^* \rangle$	G	
Atmospheric Pressure:	1010mbar			

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacture	model	Supplie d by	Certification
Notebook	DELL	Latitude 3490	CTI	FCC&CE

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



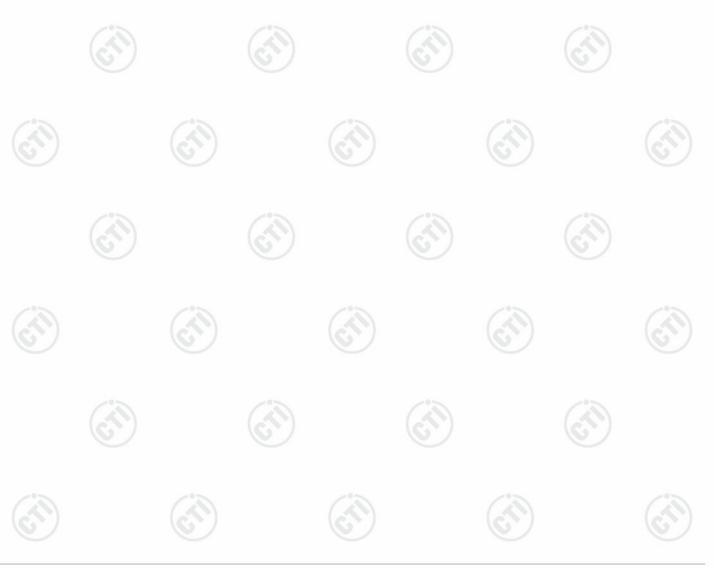




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5.7 Measurement Uncertainty (95% confidence levels, k=2)

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





6 Equipment List

		RF 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
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	06-24-2021	06-23-2022
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	DongGuangQi nZhuo	LK-80GA	QZ20150611 879	12-24-2021	12-23-2022
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3		- 6	- (S)

		3M Semi/full-anec	hoic Chamber			
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
3M Chamber & Accessory Equipment	ток	SAC-3		05-24-2019	05-23-2022	
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	05-16-2021	05-15-2022	
Receiver	R&S	ESCI7	100938-003	10-14-2021	10-13-2022	
Multi device Controller	maturo	NCD/070/10711 112	(<u>~</u>)	(5)	
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	06-23-202	06-22-2022	









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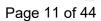
		3M full-anecho	Serial	Cal. date	Cal. Due date
Equipment	Manufacturer	Model No.	Number	(mm-dd-yyyy)	(mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166		
Receiver	Keysight	N9038A	MY57290136	03-04-2021	03-03-2022
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-04-2021	03-03-2022
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-04-2021	03-03-2022
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS- LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980597	05-20-2021	05-19-2022
Preamplifier	EMCI	EMC001330	980563	04-15-2021	04-14-2022
Preamplifier	JS Tonscend	980380	EMC051845 SE	12-24-2021	12-23-2022
Communication test set	R&S	CMW500	102898	12-24-2021	12-23-2022
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-16-2021	04-15-2022
Fully Anechoic Chamber	трк 🕓	FAC-3	$(\underline{\mathbf{G}})$	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	(- (ć
Cable line	Times	SFT205-NMSM- 2.50M	393495-0001		
Cable line	Times	EMC104-NMNM- 1000	SN160710		
Cable line	Times	SFT205-NMSM- 3.00M	394813-0001	(<u>s)</u>
Cable line	Times	SFT205-NMNM- 1.50M	381964-0001		<u> </u>
Cable line	Times	SFT205-NMSM- 7.00M	394815-0001		
Cable line	Times	HF160-KMKM- 3.00M	393493-0001	(.	(











7 Test results and Measurement Data

7.1 Antenna Requirement

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

15.203 requirement:

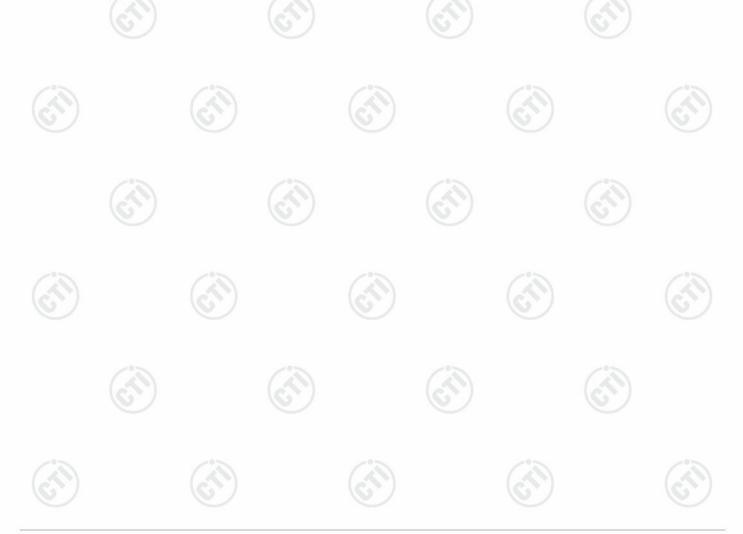
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 0 dBi	

The antenna is PCB Antenna. The best case gain of the antenna is 0 dBi.

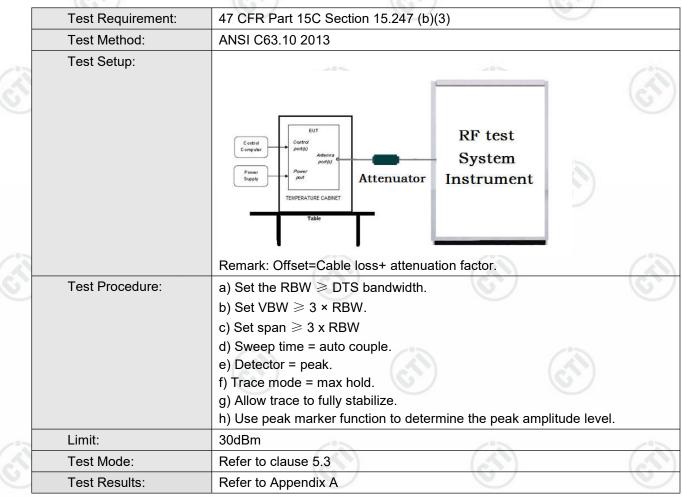






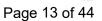
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7.2 Maximum Conducted Output Power









7.3 DTS Bandwidth

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
	Test Method:	ANSI C63.10 2013
8	Test Setup:	
		Control Computer Computer Power Power Supply TeMPERATURE CABRIET Table
3		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.
S	Limit:	≥ 500 kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix A



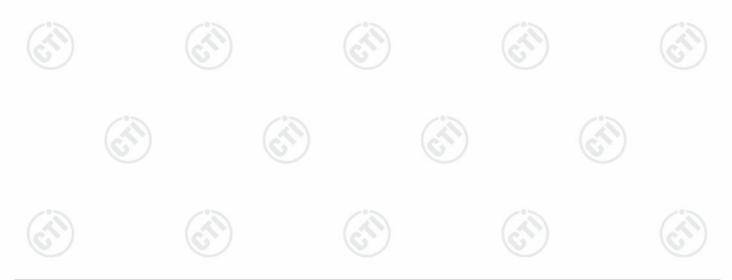




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7.4 Maximum Power Spectral Density

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



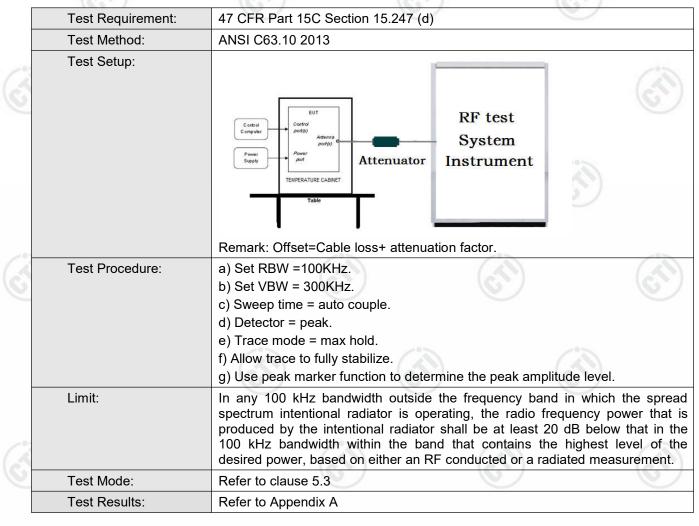






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7.5 Band Edge measurements and Conducted Spurious Emission









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7.6 Radiated Spurious Emission & Restricted bands

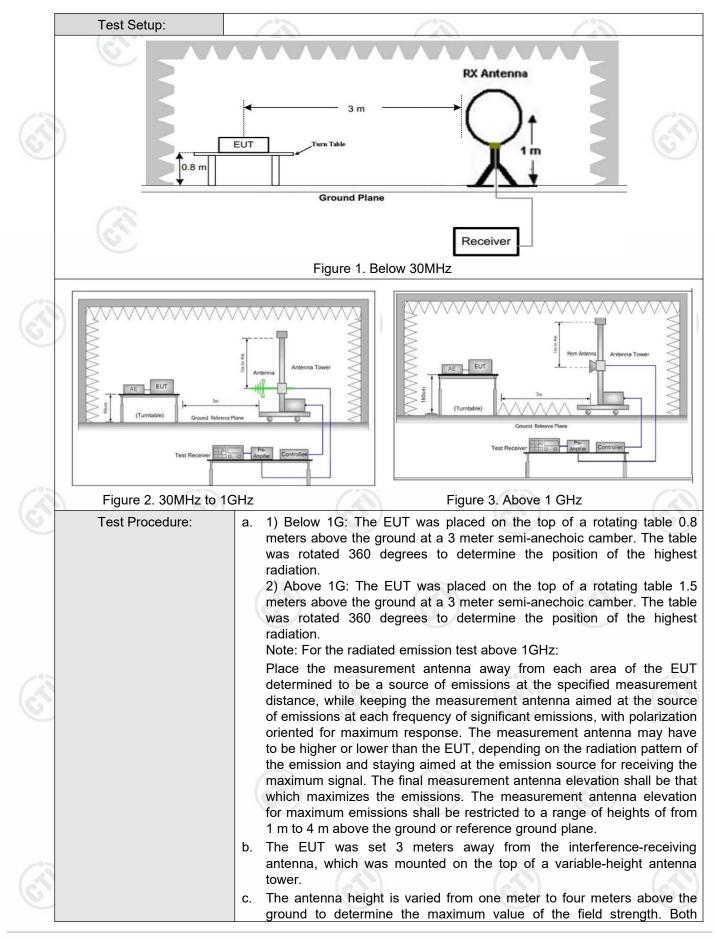
	Test Requirement:	47 CFR Part 15C Secti	on 1	15.209 and 15	.205		C	/			
	Test Method:	ANSI C63.10 2013	ANSI C63.10 2013								
	Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)									
	Receiver Setup:	Frequency	1	Detector	RBW	1	VBW	Remark			
S.		0.009MHz-0.090MH	z	Peak	10kHz	2	30kHz	Peak			
		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	lz	300kHz	Quasi-peak			
25			2	Peak	1MHz		3MHz	Peak			
S I		Above 1GHz		Peak	1MHz)	10kHz	Average			
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)		Remark	Measureme distance (m			
		0.009MHz-0.490MHz	2	400/F(kHz)	-		- /22	300			
		0.490MHz-1.705MHz	24	4000/F(kHz)	-		- 8	30			
		1.705MHz-30MHz		30	-		<u>e</u>	30			
		30MHz-88MHz		100	40.0	Q	uasi-peak	3			
-0-		88MHz-216MHz		150	43.5	Q	uasi-peak	3			
		216MHz-960MHz	9	200	46.0	Q	uasi-peak	3			
U)		960MHz-1GHz)	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 qui	dB above the pment under t	maximum est. This p	pe	rmitted av	erage emissio			







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horizontal and vertical polarizations of the antenna are set to make the measurement. 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. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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. g. Test the EUT in the lowest channel (2402MHz), the middle channel (2440MHz), the Highest channel (2480MHz) 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. Repeat above procedures until all frequencies measured was complete. i. Refer to clause 5.3 Test Mode: Pass Test Results:





Hotline:400-6788-333







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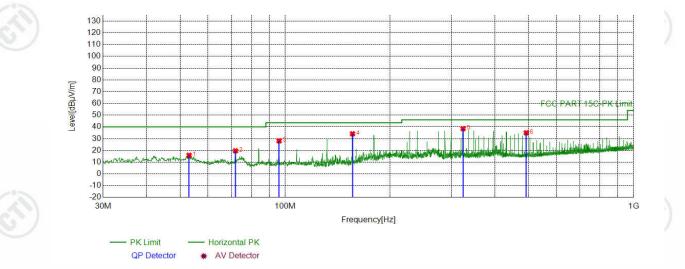
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Report No. : EED32O80030601

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.

Test Graph



	Suspec	cted List					_			
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	52.9913	-17.61	33.49	15.88	40.00	24.12	PASS	Horizontal	PK
1	2	72.0052	-21.18	40.85	19.67	40.00	20.33	PASS	Horizontal	PK
3	3	96.0636	-19.11	47.24	28.13	43.50	15.37	PASS	Horizontal	PK
~	4	156.0156	-21.36	55.51	34.15	43.50	9.35	PASS	Horizontal	PK
	5	324.0364	-14.85	53.39	38.54	46.00	7.46	PASS	Horizontal	PK
	6	492.0572	-11.02	45.98	34.96	46.00	11.04	PASS	Horizontal	PK













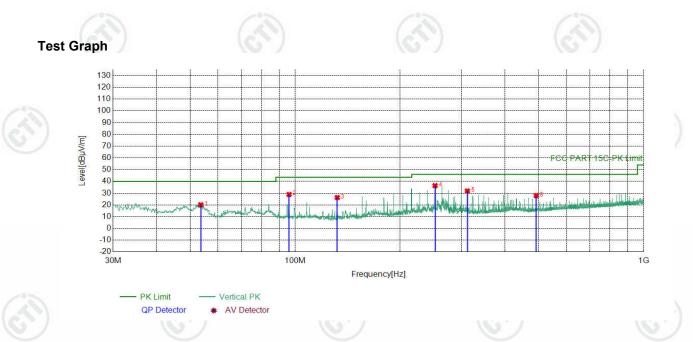
Hotline:400-6788-333



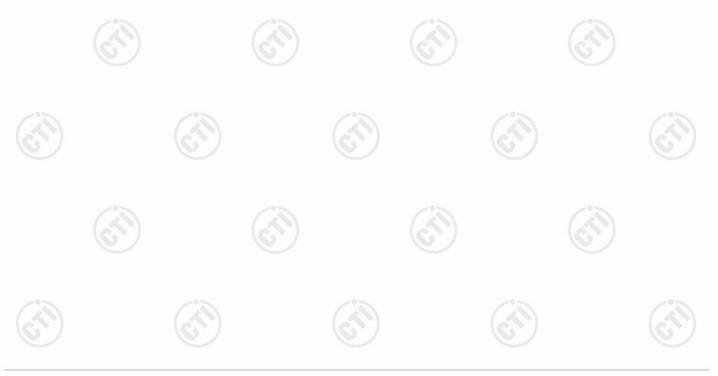




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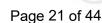


	Suspe	cted List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	53.5734	-17.69	37.81	20.12	40.00	19.88	PASS	Vertical	PK
	2	96.0636	-19.11	47.98	28.87	43.50	14.63	PASS	Vertical	PK
	3	132.0542	-21.69	47.99	26.30	43.50	17.20	PASS	Vertical	PK
1	4	252.0552	-16.53	52.93	36.40	46.00	9.60	PASS	Vertical	PK
	5	312.0072	-15.10	47.02	31.92	46.00	14.08	PASS	Vertical	PK
1	6	492.0572	-11.02	38.92	27.90	46.00	18.10	PASS	Vertical	PK



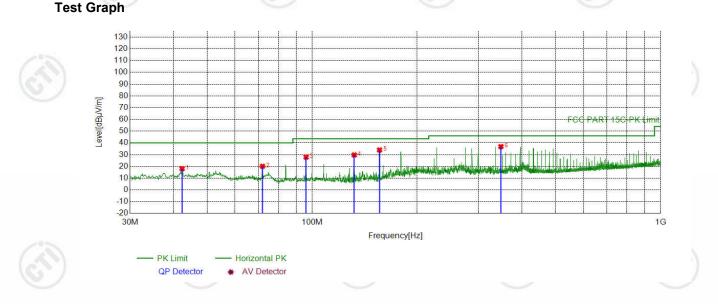
CTI华测检测





Report No. : EED32O80030601

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case highest channel of GFSK 2M was recorded in the report.



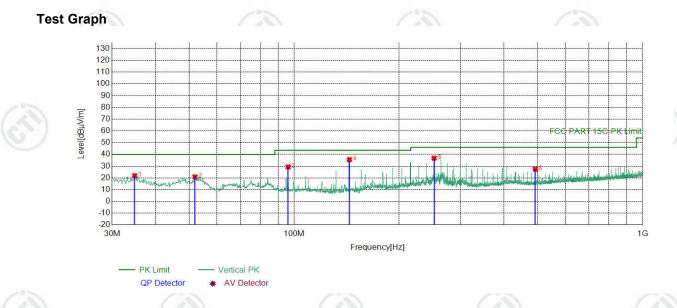
[Suspe	ected List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	42.3202	-17.66	35.67	18.01	40.00	21.99	PASS	Horizontal	PK
	2	72.0052	-21.18	41.31	20.13	40.00	19.87	PASS	Horizontal	PK
	3	96.0636	-19.11	47.05	27.94	43.50	15.56	PASS	Horizontal	PK
	4	132.0542	-21.69	51.45	29.76	43.50	13.74	PASS	Horizontal	PK
5	5	156.0156	-21.36	55.34	33.98	43.50	9.52	PASS	Horizontal	PK
_	6	347.9978	-14.14	50.98	36.84	46.00	9.16	PASS	Horizontal	PK







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Suspe	ected List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	34.8505	-19.65	41.56	21.91	40.00	18.09	PASS	Vertical	PK
2	51.9242	-17.47	38.41	20.94	40.00	19.06	PASS	Vertical	PK
3	96.0636	-19.11	48.48	29.37	43.50	14.13	PASS	Vertical	PK
4	143.9864	-21.89	57.47	35.58	43.50	7.92	PASS	Vertical	PK
5	252.0552	-16.53	53.33	36.80	46.00	9.20	PASS	Vertical	PK
6	492.0572	-11.02	38.49	27.47	46.00	18.53	PASS	Vertical	PK
		ST		67		C C			WY





Radiated Spurious Emission above 1GHz:

BLE 1M:

Mode	:		BLE GFSK Trai	nsmitting		Channel:		2402 MHz	Z
Enc. a		Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1327.2327	1.15	41.30	42.45	74.00	31.55	Pass	Н	PK
2	2039.9040	4.68	40.75	45.43	74.00	28.57	Pass	Н	PK
3	4804.1203	-16.2	3 65.67	49.44	74.00	24.56	Pass	Н	PK
4	7206.2804	-11.8	3 59.52	47.69	74.00	26.31	Pass	Н	PK
5	11352.5568	-6.37	51.41	45.04	74.00	28.96	Pass	Н	PK
6	16275.8851	1.53	49.78	51.31	74.00	22.69	Pass	Н	PK
7	1225.0225	0.87	41.81	42.68	74.00	31.32	Pass	Н	PK
8	1847.2847	3.63	40.94	44.57	74.00	29.43	Pass	V	PK
9	4804.1203	-16.23	3 65.01	48.78	74.00	25.22	Pass	V	PK
10	7206.2804	-11.8	3 59.74	47.91	74.00	26.09	Pass	V	PK
11	9829.4553	-7.29	51.67	44.38	74.00	29.62	Pass	V	PK
12	14396.7598	1.17	48.28	49.45	74.00	24.55	Pass	V	PK

Ι	Mode			RIEGE	SK Tra	nemitting		Channel:		2440 MHz		
			BLE GFSK Transmitting				Channel.					
	NO	Freq. [MHz]	Facto [dB]	Re	ading BµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	1229.6230	0.88	4	1.83	42.71	74.00	31.29	Pass	Н	PK	
	2	1763.0763	3.15	4	1.00	44.15	74.00	29.85	Pass	Н	PK	
_	3	2086.1086	4.83	40).47	45.30	74.00	28.70	Pass	Н	PK	
	4	4880.1253	-16.2	1 64	4.68	48.47	74.00	25.53	Pass	Н	PK	
	5	7320.2880	-11.6	5 56	5.90	45.25	74.00	28.75	Pass	Н	PK	
	6	14408.7606	1.09	48	3.48	49.57	74.00	24.43	Pass	Н	PK	
	7	1205.8206	0.82	42	2.11	42.93	74.00	31.07	Pass	Н	PK	
	8	1781.8782	3.22	40	0.60	43.82	74.00	30.18	Pass	V	PK	
	9	4880.1253	-16.2	1 66	6.88	50.67	74.00	23.33	Pass	V	PK	
22	10	7318.2879	-11.6	6 58	3.85	47.19	74.00	26.81	Pass	V	PK	
	11	10256.4838	-6.75	5 5 ⁻	1.27	44.52	74.00	29.48	Pass	V	PK	
2	12	14399.7600	1.22	47	7.88	49.10	74.00	24.90	Pass	V	PK	













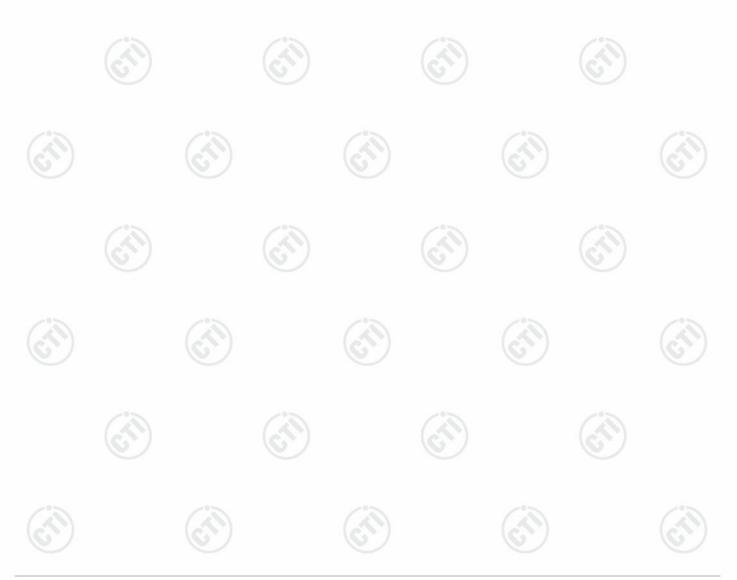




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-		100		1000		10%		100	0	
	Mode	:		BLE GFSK Tra	nsmitting		Channel:		2480 MHz	2
	NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1295.4295	1.05	41.91	42.96	74.00	31.04	Pass	н	PK
0	2	1841.8842	3.59	40.40	43.99	74.00	30.01	Pass	Н	PK
	3	3447.0298	-20.12	2 56.71	36.59	74.00	37.41	Pass	Н	PK
	4	4960.1307	-15.97	7 63.31	47.34	74.00	26.66	Pass	Н	PK
	5	7440.2960	-11.34	53.76	42.42	74.00	31.58	Pass	Н	PK
	6	13680.7120	-1.74	48.98	47.24	74.00	26.76	Pass	Н	PK
	7	1686.0686	2.85	40.73	43.58	74.00	30.42	Pass	Н	PK
Γ	8	3190.0127	-20.38	60.16	39.78	74.00	34.22	Pass	V	PK
Γ	9	4959.1306	-15.98	3 66.40	50.42	74.00	23.58	Pass	V	PK
	10	7440.2960	-11.34	\$ 55.72	44.38	74.00	29.62	Pass	V	PK
3	11	10263.4842	-6.70	51.31	44.61	74.00	29.39	Pass	V	PK
	12	14401.7601	1.19	47.47	48.66	74.00	25.34	Pass	V	PK
5				·						







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	BLE 2	2M:		100		107		~	0	
	Mode	:	BL	E GFSK Tra	nsmitting		Channel:		2402 MHz	2
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1187.8188	0.81	42.13	42.94	74.00	31.06	Pass	н	PK
	2	1573.0573	2.07	40.75	42.82	74.00	31.18	Pass	Н	PK
	3	4804.1203	-16.23	65.26	49.03	74.00	24.97	Pass	Н	PK
	4	7206.2804	-11.83	59.38	47.55	74.00	26.45	Pass	Н	PK
Ī	5	11832.5888	-6.02	51.99	45.97	74.00	28.03	Pass	Н	PK
Ī	6	15358.8239	0.05	49.18	49.23	74.00	24.77	Pass	Н	PK
Ī	7	1387.4387	1.35	41.49	42.84	74.00	31.16	Pass	V	PK
Ī	8	1935.8936	4.22	40.98	45.20	74.00	28.80	Pass	V	PK
	9	3267.0178	-19.98	59.24	39.26	74.00	34.74	Pass	V	PK
Ī	10	4804.1203	-16.23	65.07	48.84	74.00	25.16	Pass	V	PK
3	11	7206.2804	-11.83	59.14	47.31	74.00	26.69	Pass	V	PK
	12	13754.7170	-1.69	49.60	47.91	74.00	26.09	Pass	V	PK
_									•	

Mode	:		BLE GFSK Trar	nsmitting		Channel:		2440 MHz	2
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1251.8252	0.93	41.84	42.77	74.00	31.23	Pass	н	PK
2	1766.8767	3.17	40.92	44.09	74.00	29.91	Pass	Н	PK
3	4880.1253	-16.21	64.55	48.34	74.00	25.66	Pass	Н	PK
4	7320.2880	-11.65	55.78	44.13	74.00	29.87	Pass	Н	PK
5	10335.4890	-6.40	51.10	44.70	74.00	29.30	Pass	Н	PK
6	12548.6366	-4.48	51.57	47.09	74.00	26.91	Pass	Н	PK
7	1133.2133	0.83	42.15	42.98	74.00	31.02	Pass	Н	PK
8	1582.0582	2.14	40.68	42.82	74.00	31.18	Pass	V	PK
9	4879.1253	-16.21	66.54	50.33	74.00	23.67	Pass	V	PK
10	7320.2880	-11.65	58.51	46.86	74.00	27.14	Pass	V	PK
11	9876.4584	-7.14	51.53	44.39	74.00	29.61	Pass	V	PK
12	13691.7128	-1.76	49.65	47.89	74.00	26.11	Pass	V	PK





















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	10-		10-		20 %			0.000	
Мо	de:		BLE GFSK Tra	nsmitting		Channel:		2480 MHz	Z
NC	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1354.2354	1.24	41.50	42.74	74.00	31.26	Pass	н	PK
2	1894.4894	3.99	41.74	45.73	74.00	28.27	Pass	Н	PK
3	4959.1306	-15.98	3 63.13	47.15	74.00	26.85	Pass	Н	PK
4	7440.2960	-11.34	4 53.37	42.03	74.00	31.97	Pass	Н	PK
5	10794.5196	-6.24	51.50	45.26	74.00	28.74	Pass	Н	PK
6	14319.7547	-0.11	48.35	48.24	74.00	25.76	Pass	Н	PK
7	1574.6575	2.08	41.66	43.74	74.00	30.26	Pass	Н	PK
8	1968.4969	4.39	40.21	44.60	74.00	29.40	Pass	V	PK
9	3744.0496	-19.62	2 57.00	37.38	74.00	36.62	Pass	V	PK
10	4960.1307	-15.97	7 66.44	50.47	74.00	23.53	Pass	V	PK
11	7440.2960	-11.34	4 56.33	44.99	74.00	29.01	Pass	V	PK
12	2 14370.7581	0.73	48.73	49.46	74.00	24.54	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.













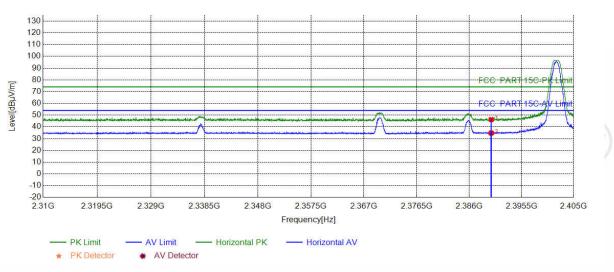




Test plot as follows:

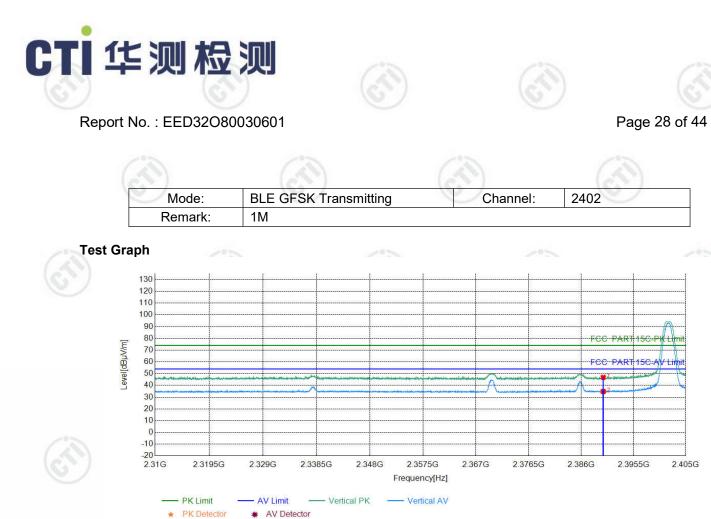
Mode:	BLE GFSK Transmitting	Channel:	2402
Remark:	1M	6)

Test Graph



	Suspe	ected List								
(N	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390.0000	5.77	40.51	46.28	74.00	27.72	PASS	Horizontal	PK
	2	2390.0000	5.77	29.01	34.78	54.00	19.22	PASS	Horizontal	AV





		12		2°2		2°2			12	
	Suspe	cted List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2390.0000	5.77	41.07	46.84	74.00	27.16	PASS	Vertical	PK
~	2	2390.0000	5.77	29.05	34.82	54.00	19.18	PASS	Vertical	AV
3)	(GT /		67)		G			(C)











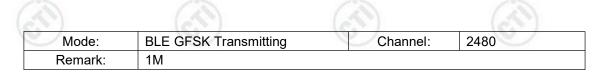


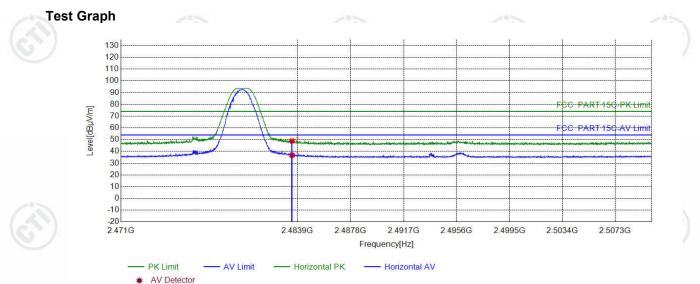






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Suspe	cted List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5000	6.57	30.20	36.77	54.00	17.23	PASS	Horizontal	PK
2	2483.5000	6.57	42.35	48.92	74.00	25.08	PASS	Horizontal	AV
1		Co J		(637)		10	21	<u> </u>	1657









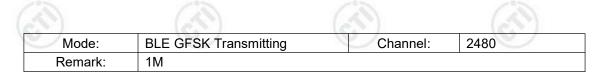


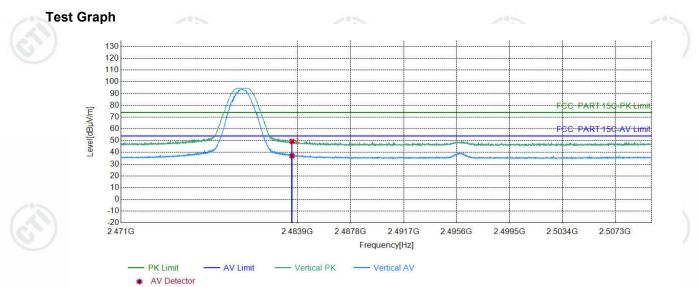




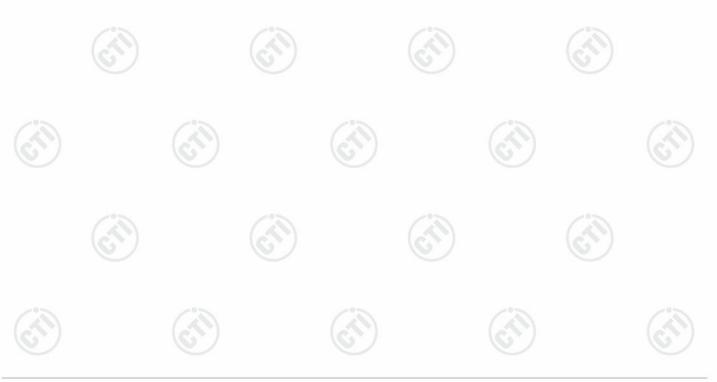






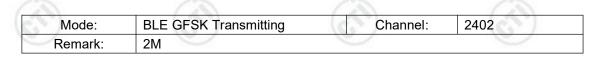


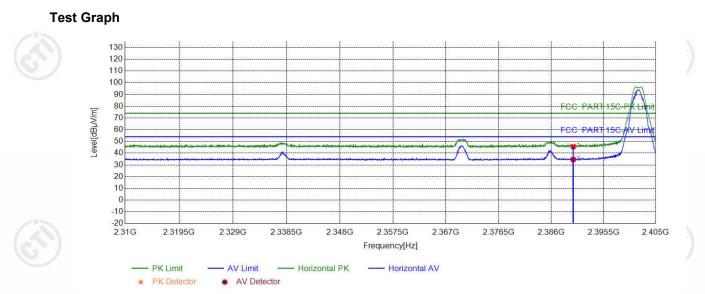
	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Readi ng [dBµ V]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
13	1	2483.5000	6.57	30.56	37.13	54.00	16.87	PASS	Vertical	PK
8	2	2483.5000	6.57	42.80	49.37	74.00	24.63	PASS	Vertical	AV
V	1									





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Suspe NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	39.79	45.56	74.00	28.44	PASS	Horizontal	PK
2	2390.0000	5.77	28.80	34.57	54.00	19.43	PASS	Horizontal	AV
	((2	(1)		(A)





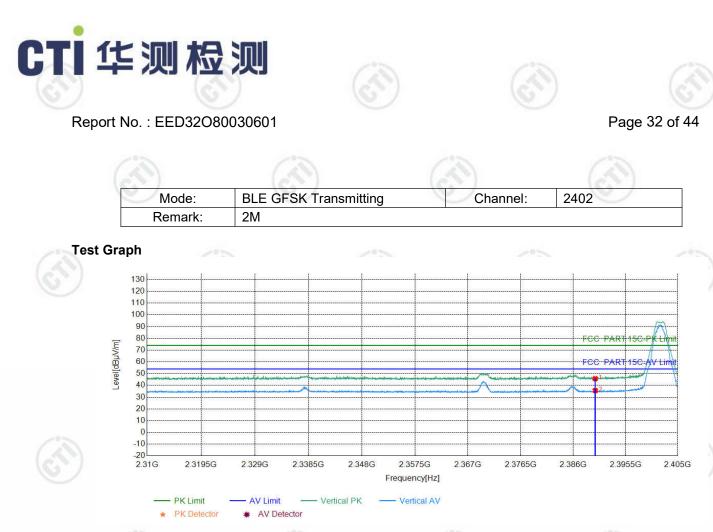




(A)





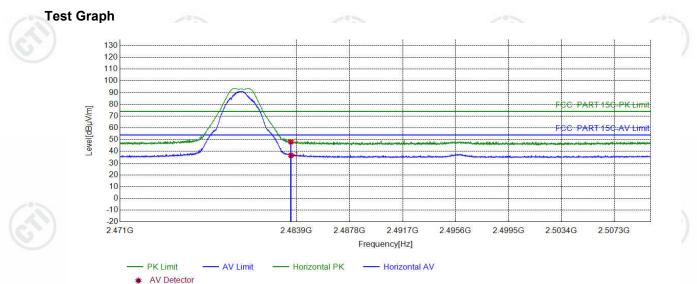


	12								
Suspe	cted List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	39.93	45.70	74.00	28.30	PASS	Vertical	PK
2	2390.0000	5.77	29.83	35.60	54.00	18.40	PASS	Vertical	AV
1		GT /		67)		G			(C)



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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	41.60	48.17	74.00	25.83	PASS	Horizontal	PK
2	2483.5000	6.57	30.04	36.61	54.00	17.39	PASS	Horizontal	AV





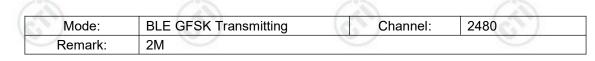




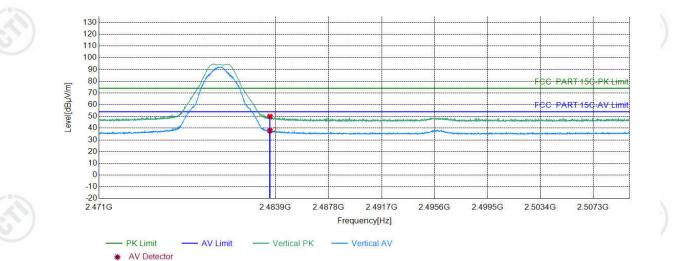




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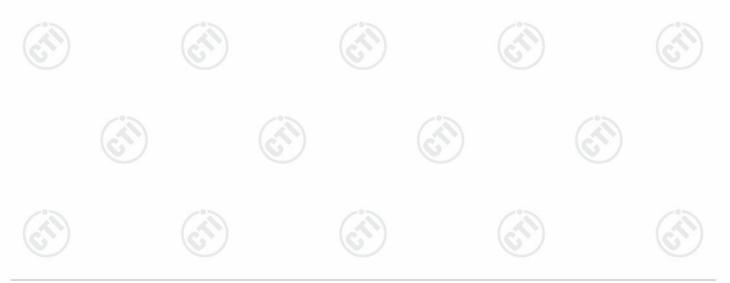
Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5000	6.57	43.41	49.98	74.00	24.02	PASS	Vertical	PK
2	2483.5000	6.57	31.25	37.82	54.00	16.18	PASS	Vertical	AV
0						()	0		

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











9 PHOTOGRAPHS OF TEST SETUP

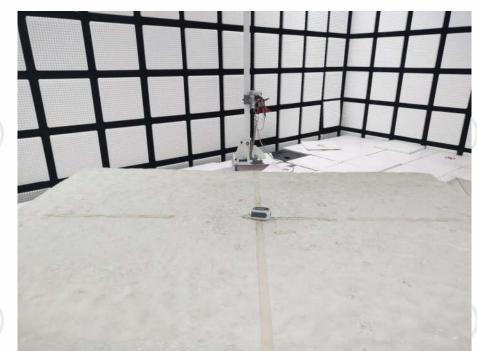


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Test model No.: PO6B



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



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











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10PHOTOGRAPHS OF EUT Constructional Details

Test Model No.:PO6B



View of Product-1







