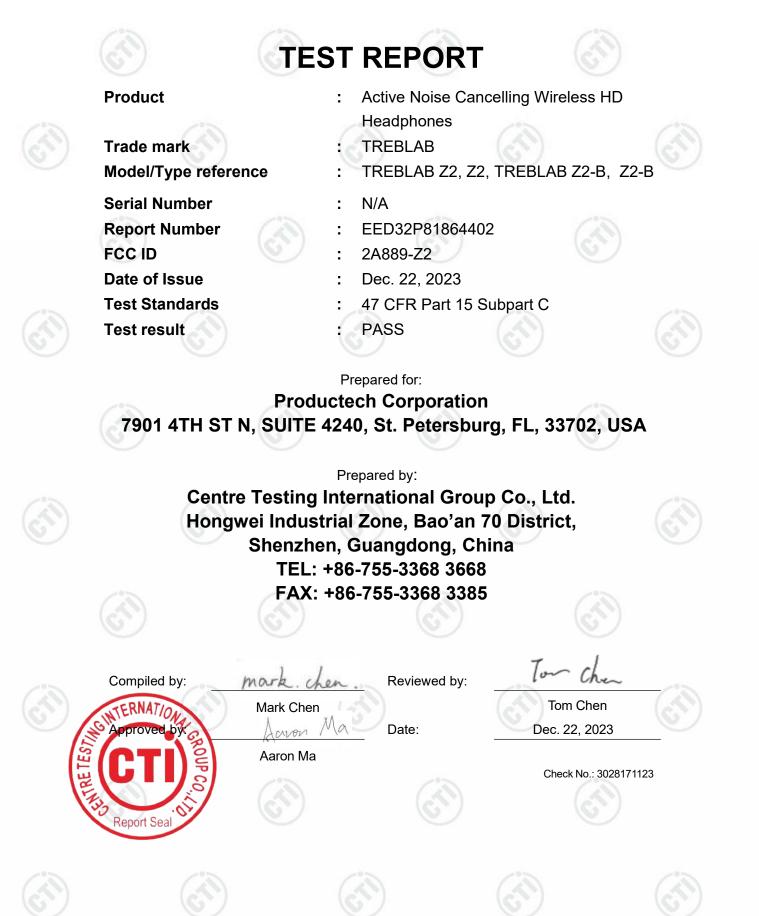




Page 1 of 48



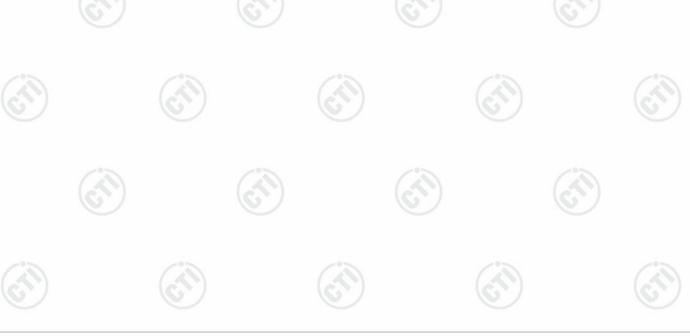




### 1 Contents

#### Page

1 CONTENTS			2
2 VERSION			
3 TEST SUMMARY			
4 GENERAL INFORMATION			
4 GENERAL INFORMATION			
4.1 CLIENT INFORMATION			
4.2 GENERAL DESCRIPTION OF EUT			
4.3 TEST CONFIGURATION			
4.4 TEST ENVIRONMENT			
4.5 DESCRIPTION OF SUPPORT UNITS		<u></u>	
TEST RESULTS AND MEASUREMENT DATA			
4.9 ANTENNA REQUIREMENT			13
4.10 MAXIMUM CONDUCTED OUTPUT POWER			
4.11 20DB EMISSION BANDWIDTH			
4.12 CARRIER FREQUENCY SEPARATION			
4.13 NUMBER OF HOPPING CHANNEL			
4.14 TIME OF OCCUPANCY 4.15 BAND EDGE MEASUREMENTS			
4.15 BAND EDGE MEASUREMENTS 4.16 CONDUCTED SPURIOUS EMISSIONS			
4.17 PSEUDORANDOM FREQUENCY HOPPING SE			
4.18 RADIATED SPURIOUS EMISSION & RESTRIC			
5 APPENDIX BT CLASSIC			45
6 PHOTOGRAPHS OF TEST SETUP			
7 PHOTOGRAPHS OF EUT CONSTRUCTION	AL DETAILS		







## 2 Version





	Version No.		Date			Descriptio	on	(2)
G	00	De	ec. 22, 2023	$(\mathcal{O})$		Original		$(\mathbf{c}^{\mathbf{v}})$
					(K)		Ì	





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
Maximum Conducted Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(1)	PASS
20dB Emission Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Carrier Frequency Separation	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Number of Hopping Channels	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Time of Occupancy	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Pseudorandom Frequency Hopping Sequence	47 CFR Part 15, Subpart C Section 15.247(b)(4)	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 emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	PASS
Restricted bands around fundamental frequency	47 CFR Part 15, Subpart C Section 15.205/15.209	PASS

N/A: When the EUT charging, BT will not work , So Not Applicable. 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.: TREBLAB Z2, Z2, TREBLAB Z2-B, Z2-B

Only the model TREBLAB Z2 was tested. Their electrical circuit design, layout, components used and internal wiring are identical, only the color of the appearance, bluetooth pairing name, logo are different.





## 4 General Information

#### 4.1 Client Information

	Applicant:	Productech Corporation
	Address of Applicant:	7901 4TH ST N, SUITE 4240, St. Petersburg, FL, 33702, USA
2	Manufacturer:	Productech Corporation
ع	Address of Manufacturer:	7901 4TH ST N, SUITE 4240, St. Petersburg, FL, 33702, USA
	Factory:	Shen Zhen Lighkeep Co., Limited
	Address of Factory:	No 19, Baotong South Road, Xikeng Community, Longgang Zone, Shenzhen City, Guangdong Province, China

#### 4.2 General Description of EUT

	Product Name:	Active Noise Cancelling Wireless HD Headphones
- 01	Model No.:	TREBLAB Z2, Z2, TREBLAB Z2-B, Z2-B
4	Test Model No.:	TREBLAB Z2
2	Trade Mark:	TREBLAB
	Product Type:	☐ Mobile
	Operation Frequency:	2402MHz~2480MHz
	Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
	Modulation Type:	GFSK, π/4DQPSK, 8DPSK
	Number of Channel:	79
	Hopping Channel Type:	Adaptive Frequency Hopping systems
	Antenna Type:	PCB Antenna
3	Antenna Gain:	0.8dBi
	Power Supply:	Battery DC 3.7V
	Test Voltage:	DC 3.7V
	Sample Received Date:	Mar. 14, 2023
	Sample tested Date:	Mar. 14, 2023 to Mar. 29, 2023





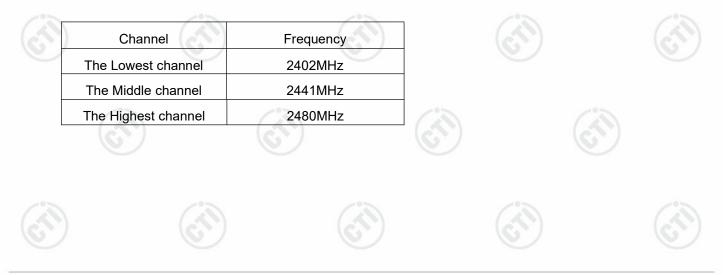


Page 6 of 48

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		

#### 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:

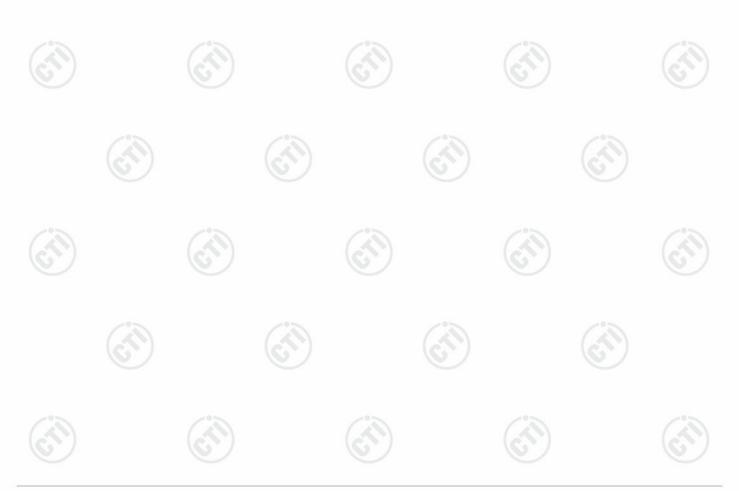






### 4.3 Test Configuration

EUT Test Software Settings	s:						
Test Software of EUT:	BT FCC Tool						
EUT Power Grade:	Class2 (Power leve selected)	Class2 (Power level is built-in set parameters and cannot be changed and selected)					
Use test software to set the le transmitting of the EUT.	owest frequency, the mi	ddle frequency and the	highest frequency keep				
Mode	Cha	nnel	Frequency(MHz)				
	Cł	но	2402				
DH1/DH3/DH5	СН	39	2441				
	СН	78	2480				
	Cł	НО	2402				
2DH1/2DH3/2DH5	СН	39	2441				
	СН	178	2480				
	Cł	10	2402				
3DH1/3DH3/3DH5	СН	39	2441				
(c <sup>5</sup> )	СН	78	2480				









#### 4.4 Test Environment

	Operating Environmen	t:				
	Radiated Spurious Emi	ssions:				
	Temperature:	22~25.0 °C				
1	Humidity:	50~55 % RH		(in)		13
0	Atmospheric Pressure:	1010mbar		$(\mathcal{O})$		6
	RF Conducted:	·				
	Temperature:	22~25.0 °C				
	Humidity:	50~55 % RH	195		12	
	Atmospheric Pressure:	1010mbar	(A)		$(\mathcal{A})$	

#### 4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	DELL	Latitude 3490	FCC&CE	СТІ

## 4.6 Test Location

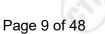
All tests were performed at:

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

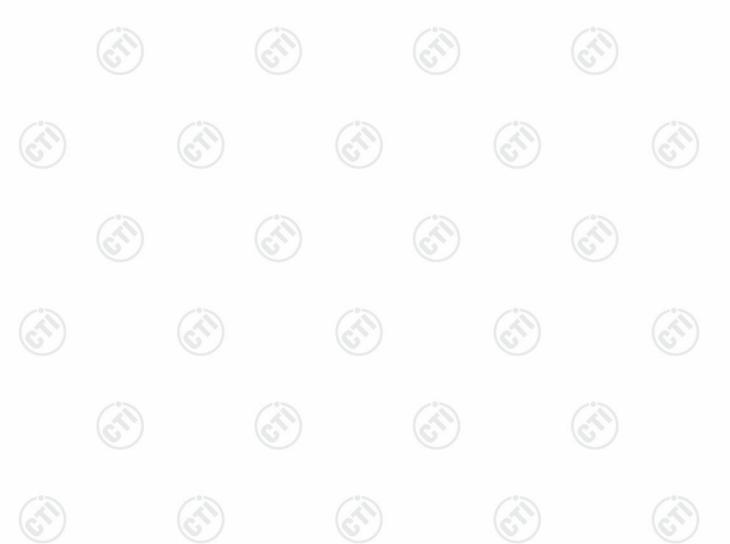






## 4.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty	
1	Radio Frequency	7.9 x 10 <sup>-8</sup>	
2	PE nower conducted	0.46dB (30MHz-1GHz)	
2	RF power, conducted	0.55dB (1GHz-40GHz)	
3	(Sr) (Sr)	3.3dB (9kHz-30MHz)	
	Dedicted Sourieus omission tost	4.3dB (30MHz-1GHz)	
	Radiated Spurious emission test	4.5dB (1GHz-18GHz)	
		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%	







## 4.8 Equipment List

		RF te	st system		
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Communication tset set	R&S	CMW500	107929	07-06-2022	07-05-2023
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-09-2022	09-08-2023
Spectrum Analyzer	R&S	FSV40	101200	08-01-2022	07-31-2023
RF control unit(power unit)	MWRF-test	MW100-RFCB	MW220620CTI-42	07-06-2022	07-05-2023
high-low temperature	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-19-2022	12-18-2023
Temperature/ Humidity Indicator	biaozhi	НМ10	1804186	06-16-2022	06-15-2023
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	2.0.0.0		



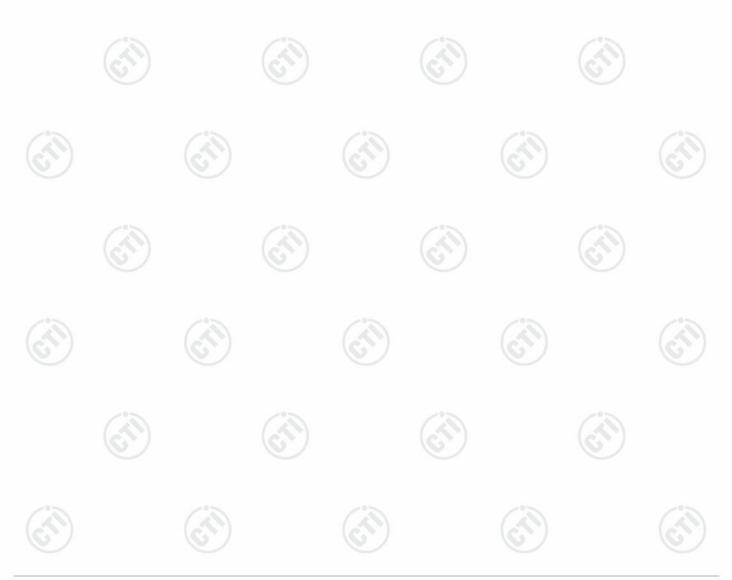






## Page 11 of 48

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	3M Semi-and	echoic Chamber (2)	- Radiated distu	Irbance Test	
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date
3M Chamber & Accessory Equipment	TDK	SAC-3		05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/28/2022	09/27/2023
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2023
Multi device Controller	maturo	NCD/070/10711112			
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/17/2021	04/16/2024
Microwave Preamplifier	Agilent	8449B	3008A02425	06/20/2022	06/19/2023
					6



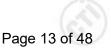






				Cal. Date	Cal. Due date	
Equipment	Manufacturer	Model No. Serial Numbe		(mm-dd-yyyy)	(mm-dd-yyyy)	
RSE Automatic test software	JS Tonscend	JS36-RSE	10166		(2	
Receiver	Keysight	N9038A	MY57290136	02-27-2023	02-26-2024	
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-21-2023	02-20-2024	
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-21-2023	02-20-2024	
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024	
Horn Antenna Schwarzbeck BBH		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	04-20-2022	04-19-2023	
Preamplifier	EMCI	EMC001330	980563	04-13-2022	04-12-2023	
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023	
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023	
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2022	04-10-2023	
Fully Anechoic Chamber	TDK	FAC-3		01-09-2021	01-08-2024	
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	(6	<u>()</u>	
Cable line	Times	SFT205-NMSM-2.50M	394812-0002			
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	~15		
Cable line	Times	SFT205-NMSM-2.50M	393495-0001		(ć	
Cable line	Times	EMC104-NMNM-1000	SN160710	<u> </u>		
Cable line	Times	SFT205-NMSM-3.00M	394813-0001			
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	(6	s)	
Cable line	Times	SFT205-NMSM-7.00M	394815-0001			
Cable line	Times	HF160-KMKM-3.00M	393493-0001	<'>		
)	$(\mathcal{A})$	$(\mathcal{P}_{3})$	·	$(\mathcal{A})$	(6	

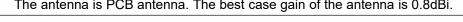


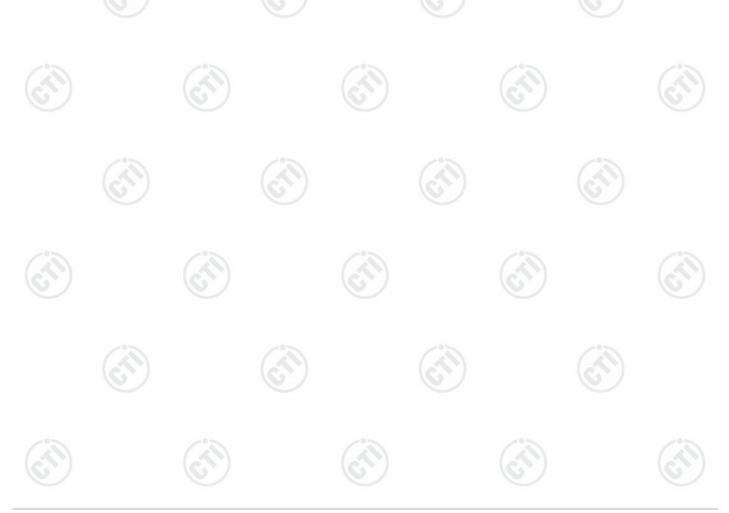


## **Test results and Measurement Data**

#### 4.9 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)							
15.203 requirement:								
responsible party shall be antenna that uses a uniqu	all be designed to ensure that no antenna other than that furnished by the used with the device. The use of a permanently attached antenna or of an ue coupling to the intentional radiator, the manufacturer may design the unit can be replaced by the user, but the use of a standard antenna jack or hibited.							
15.247(b) (4) requirement								
antennas with directional section, if transmitting and power from the intentional	wer limit specified in paragraph (b) of this section is based on the use of gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this tennas of directional gain greater than 6 dBi are used, the conducted output I radiator shall be reduced below the stated values in paragraphs (b)(1), ection, as appropriate, by the amount in dB that the directional gain of the							
EUT Antenna:	Please see Internal photos							
The antenna is PCB ante	The antenna is PCB antenna. The best case gain of the antenna is 0.8dBi							











#### 4.10 Maximum Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)							
Test Method:	ANSI C63.10:2013							
Test Setup:	RF test Computer Computer Poort Supply TeleFRATURE CASHET Table RF test System Instrument							
	Remark: Offset=Cable loss+ attenuation factor.							
Test Procedure:	Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel RBW > the 20 dB bandwidth of the emission being measured VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.							
Limit:	21dBm							
Exploratory Test Mode	Non-hopping transmitting with all kind of modulation and all kind of data type							
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.							
Test Results:	Refer to Appendix BT Classic							
(S)								



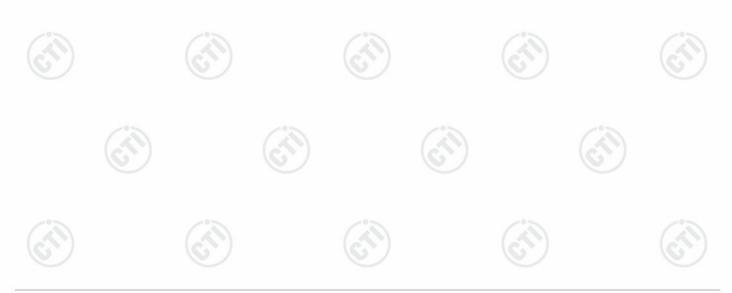






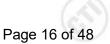
#### 4.11 20dB Emission Bandwidth

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
	Test Method:	ANSI C63.10:2013
	Test Setup:	Correction Correc
(دری) (	Test Procedure:	<ul> <li>Remark: Offset=Cable loss+ attenuation factor.</li> <li>1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.</li> <li>Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; 1%≤RBW ≤5% of the 20 dB bandwidth; VBW≥3RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> <li>4. Measure and record the results in the test report.</li> </ul>
	Limit:	NA
1	Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
<u>i</u>	Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSI modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSI modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
	Test Results:	Refer to Appendix BT Classic
	G	



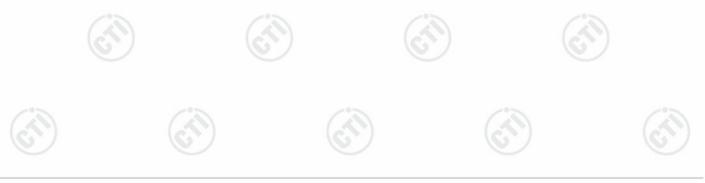






## 4.12 Carrier Frequency Separation

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
	Test Method:	ANSI C63.10:2013
2 X X J	Test Setup:	Control Contro
		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	<ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Enable the EUT hopping function.</li> <li>Use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels; RBW is set to approximately 30% of the channel spacing, adjust as necessary to best identify the center of each individual channel; VBW≥RBW; Sweep = auto;</li> <li>Detector function = peak; Trace = max hold.</li> <li>Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Record the value in report.</li> </ol>
	Limit:	Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.
	Exploratory Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type
	Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation
		type.

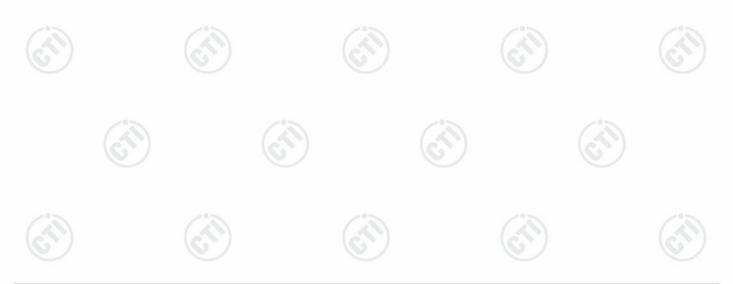






### 4.13 Number of Hopping Channel

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)							
	Test Method:	ANSI C63.10:2013							
<b>S</b>	Test Setup:	Const Const							
		Remark: Offset=Cable loss+ attenuation factor.							
Ś	Test Procedure:	<ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Enable the EUT hopping function.</li> <li>Use the following spectrum analyzer settings: Span = the frequency band of operation; set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller; VBW≥RBW; Sweep= auto Detector function = peak; Trace = max hold.</li> </ol>							
6		<ul><li>5. The number of hopping frequency used is defined as the number of total channel.</li><li>6. Record the measurement data in report.</li></ul>							
	Limit:	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.							
	Test Mode:	Hopping transmitting with all kind of modulation							
	Test Results:	Refer to Appendix BT Classic							









#### 4.14 Time of Occupancy

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
	Test Method:	ANSI C63.10:2013
	Test Setup:	RF test System Foret Supple TelsfERATURE CABRET Table
		Remark: Offset=Cable loss+ attenuation factor.
() ()	Test Procedure:	<ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Enable the EUT hopping function.</li> </ol>
		<ul> <li>4. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be ≤ channel spacing and where possible RBW should be set &gt;&gt; 1 / T, where T is the expected</li> </ul>
		dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.
3	Limit:	<ul> <li>5. Measure and record the results in the test report.</li> <li>The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.</li> </ul>
	Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
	Test Results:	Refer to Appendix BT Classic
	(C)	

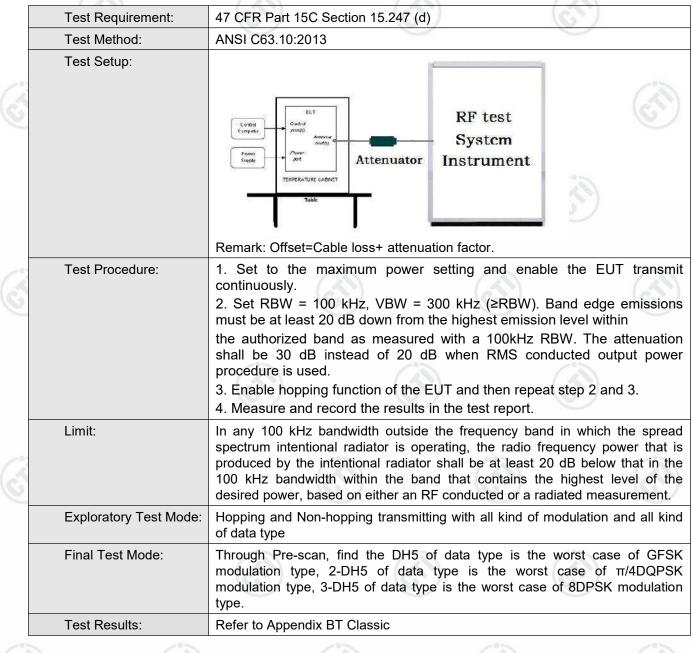








#### 4.15 Band edge Measurements













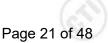
### 4.16 Conducted Spurious Emissions

Conductod Opanice	
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	RF test Sugar Fourse Sugar Teste Teste
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	<ol> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW.</li> <li>Measure and record the results in the test report.</li> <li>The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> </ol>
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.
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of $\pi$ /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
	Test Method: Test Setup: Test Procedure: Limit:









#### 4.17 Pseudorandom Frequency Hopping Sequence

#### **Test Requirement:**

#### 47 CFR Part 15C Section 15.247 (a)(1), (h) requirement:

The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

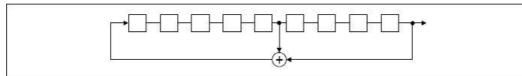
The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

#### Compliance for section 15.247(a)(1)

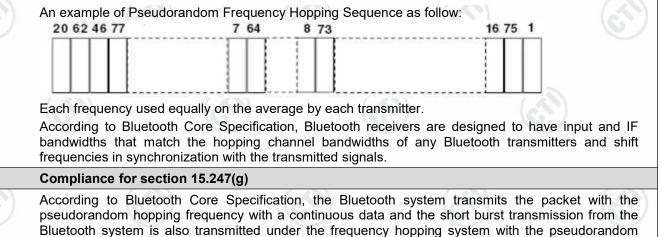
According to Bluetooth Core Specification, the pseudorandom sequence may be generated in a ninestage shift register whose 5th and 9th stage

outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29 -1 = 511 bits
- · Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence





Report No. : EED32P81864402



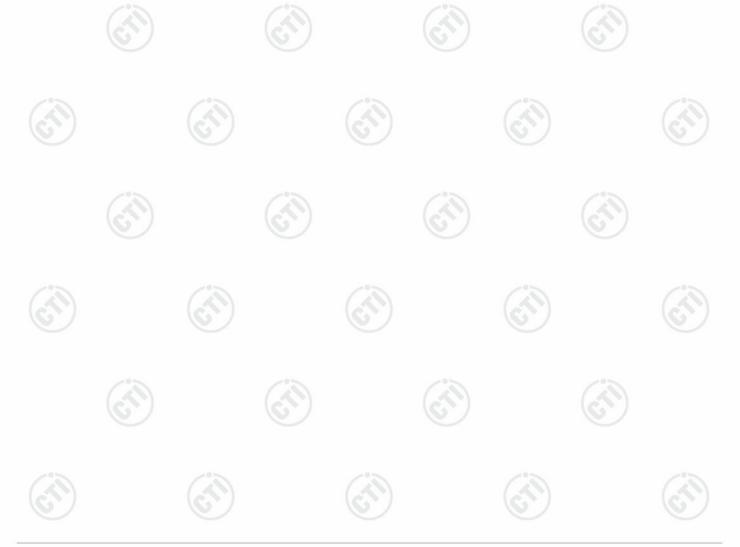


#### hopping frequency system.

#### Compliance for section 15.247(h)

According to Bluetooth Core specification, the Bluetooth system incorporates with an adaptive system to detect other user within the spectrum band so that it individually and independently to avoid hopping on the occupied channels.

According to the Bluetooth Core specification, the Bluetooth system is designed not have the ability to coordinated with other FHSS System in an effort to avoid the simultaneous occupancy of individual hopping frequencies by multiple transmitter.









#### 4.18 Radiated Spurious Emission & Restricted bands

	Test Requirement:	47 CFR Part 15C Secti	on 1	5.209 and 15	.205					
	Test Method:	ANSI C63.10: 2013								
	Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)								
2	Receiver Setup:	Frequency		Detector	RBW	VBW	Remark			
		0.009MHz-0.090MH	lz	Peak	10kHz	: 30kHz	Peak			
-		0.009MHz-0.090MH	z	Average	10kHz	30kHz	Average			
		0.090MHz-0.110MH	z	Quasi-peak	10kHz	: 30kHz	Quasi-peak			
		0.110MHz-0.490MH	z	Peak	10kHz	30kHz	Peak			
		0.110MHz-0.490MH	z	Average	10kHz	30kHz	Average			
		0.490MHz -30MHz	<u>.</u>	Quasi-peak	10kHz	: 30kHz	Quasi-peak			
		30MHz-1GHz		Peak	100 kH	z 300kHz	Peak			
		Above 1GHz		Peak	1MHz	3MHz	Peak			
				Peak	1MHz	10kHz	Average			
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	Remark	Measuremen distance (m)			
		0.009MHz-0.490MHz	24	400/F(kHz)	-	-	300			
		0.490MHz-1.705MHz	. ,		-	-/3	30			
		1.705MHz-30MHz 30		30	-	0	30			
		30MHz-88MHz		100	40.0	Quasi-peak	3			
		88MHz-216MHz		150	43.5	Quasi-peak	3			
5		216MHz-960MHz	2	200	46.0	Quasi-peak	3			
		960MHz-1GHz	P)	500	54.0	Quasi-peak	3			
-		Above 1GHz	/	500	54.0	Average	3			
		Note: 15.35(b), Unless emissions is 20df applicable to the peak emission lev	3 ab equi	num permi est. This p	tted average	emission limit				

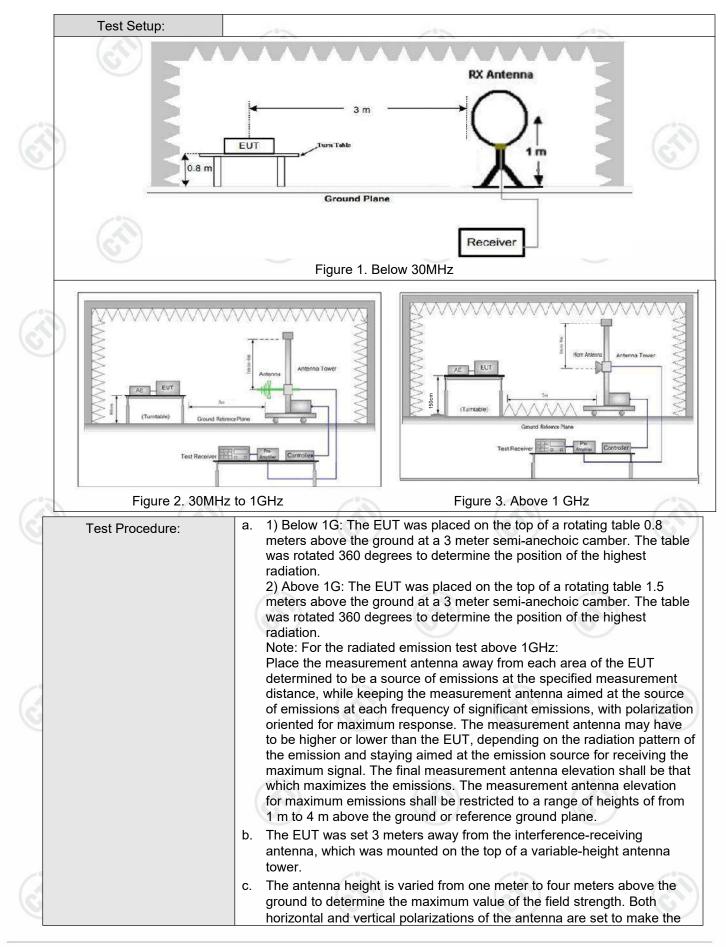








## Page 24 of 48

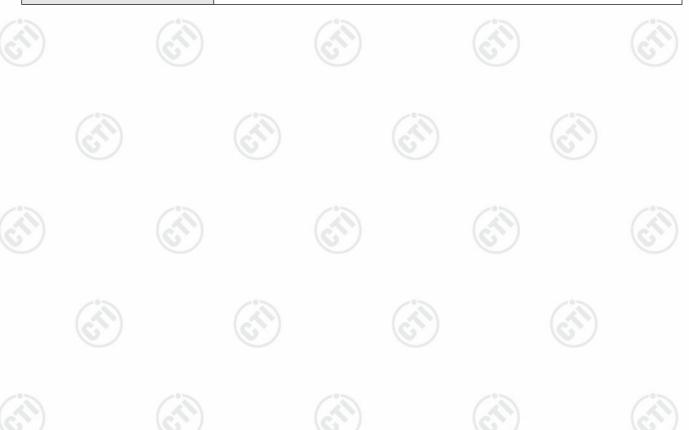




Report No. : EED32P81864402



	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.
	<ul> <li>g. Test the EUT in the lowest channel (2402MHz), the middle channel (2441MHz), the Highest channel (2480MHz)</li> </ul>
	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.
	i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation is the worst case.
	Pretest the EUT at Transmitting mode, For below 1GHz part, through pre- scan, the worst case is the lowest channel.
	Only the worst case is recorded in the report.
Test Results:	Pass



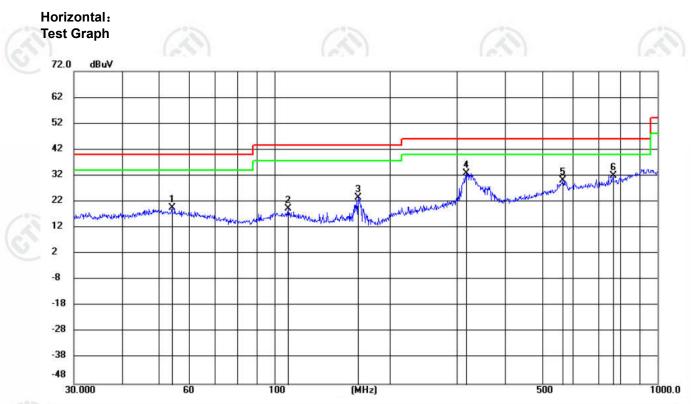






#### **Radiated Spurious Emission below 1GHz:**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of DH5 for GFSK was recorded in the report.



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		54.0710	5.48	14.32	19.80	40.00	-20.20	QP	200	105	
2		108.6470	5.67	13.54	19.21	43.50	-24.29	QP	200	4	
3		165.4866	13.14	10.48	23.62	43.50	-19.88	QP	200	189	
4	*	316.5889	15.67	17.09	32.76	46.00	-13.24	QP	100	265	
5		566.6221	8.14	22.00	30.14	46.00	-15.86	QP	200	4	
6		766.0571	7.37	24.56	31.93	46.00	-14.07	QP	100	307	











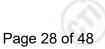












#### Radiated Spurious Emission above 1GHz:

Mode:	•		GFSK Transmit	tina	Channel:		2402 MHz		
NO	Freq. [MHz]	Facto [dB]		Reading Level Li		Margin [dB]	Result	Polarity	Remark
1	1291.6292	1.04	39.31	40.35	74.00	33.65	Pass	н	PK
2	1966.0966	4.38	38.97	43.35	74.00	30.65	Pass	н	PK
3	4804.1203	-16.23	61.13	44.90	74.00	29.10	Pass	Н	PK
4	7206.2804	-11.83	64.90	53.07	74.00	20.93	Pass	Н	PK
5	9608.4406	-7.37	58.19	50.82	74.00	23.18	Pass	Н	PK
6	13675.7117	-1.73	47.52	45.79	74.00	28.21	Pass	Н	PK
7	1357.8358	1.25	39.01	40.26	74.00	33.74	Pass	V	PK
8	2038.1038	4.67	38.16	42.83	74.00	31.17	Pass	V	PK
9	4804.1203	-16.23	3 54.63	38.40	74.00	35.60	Pass	V	PK
10	7206.2804	-11.83	3 58.28	46.45	74.00	27.55	Pass	V	PK
11	9608.4406	-7.37	50.06	42.69	74.00	31.31	Pass	V	PK
12	13676.7118	-1.73	46.97	45.24	74.00	28.76	Pass	V	PK
	1 2 3 4 5 6 7 8 9 10 11	Image: NO         [MHz]           1         1291.6292           2         1966.0966           3         4804.1203           4         7206.2804           5         9608.4406           6         13675.7117           7         1357.8358           8         2038.1038           9         4804.1203           10         7206.2804           11         9608.4406	NO         Freq. [MHz]         [dB]           1         1291.6292         1.04           2         1966.0966         4.38           3         4804.1203         -16.23           4         7206.2804         -11.83           5         9608.4406         -7.37           6         13675.7117         -1.73           7         1357.8358         1.25           8         2038.1038         4.67           9         4804.1203         -16.23           10         7206.2804         -11.83           11         9608.4406         -7.37	Image: NO [MHz]         [dB]         [dBμV]           1         1291.6292         1.04         39.31           2         1966.0966         4.38         38.97           3         4804.1203         -16.23         61.13           4         7206.2804         -11.83         64.90           5         9608.4406         -7.37         58.19           6         13675.7117         -1.73         47.52           7         1357.8358         1.25         39.01           8         2038.1038         4.67         38.16           9         4804.1203         -16.23         54.63           10         7206.2804         -11.83         58.28           11         9608.4406         -7.37         50.06	NOFreq. [MHz][dB]Reading [dBµV]Level [dBµV]11291.62921.0439.3140.3521966.09664.3838.9743.3534804.1203-16.2361.1344.9047206.2804-11.8364.9053.0759608.4406-7.3758.1950.82613675.7117-1.7347.5245.7971357.83581.2539.0140.2682038.10384.6738.1642.8394804.1203-16.2354.6338.40107206.2804-11.8358.2846.45119608.4406-7.3750.0642.69	NOFreq. [MHz][dB]Reading [dBµV]Level [dBµV]Limit [dBµV/m]11291.62921.0439.3140.3574.0021966.09664.3838.9743.3574.0034804.1203-16.2361.1344.9074.0047206.2804-11.8364.9053.0774.0059608.4406-7.3758.1950.8274.00613675.7117-1.7347.5245.7974.0071357.83581.2539.0140.2674.0082038.10384.6738.1642.8374.0094804.1203-16.2354.6338.4074.00107206.2804-11.8358.2846.4574.00119608.4406-7.3750.0642.6974.00	NOFreq. [MHz][dB]Reading [dBμV]Level [dBμV]Limit [dBμV/m]Margin [dB]11291.62921.0439.3140.3574.0033.6521966.09664.3838.9743.3574.0030.6534804.1203-16.2361.1344.9074.0029.1047206.2804-11.8364.9053.0774.0020.9359608.4406-7.3758.1950.8274.0023.18613675.7117-1.7347.5245.7974.0028.2171357.83581.2539.0140.2674.0033.7482038.10384.6738.1642.8374.0031.1794804.1203-16.2354.6338.4074.0035.60107206.2804-11.8358.2846.4574.0027.55119608.4406-7.3750.0642.6974.0031.31	NOFreq. [MHz][dB]Reading [dBμV]Level [dBμV/m]Limit [dBμV/m]Margin [dB]Result11291.62921.0439.3140.3574.0033.65Pass21966.09664.3838.9743.3574.0030.65Pass34804.1203-16.2361.1344.9074.0029.10Pass47206.2804-11.8364.9053.0774.0020.93Pass59608.4406-7.3758.1950.8274.0023.18Pass613675.7117-1.7347.5245.7974.0028.21Pass71357.83581.2539.0140.2674.0033.74Pass82038.10384.6738.1642.8374.0031.17Pass94804.1203-16.2354.6338.4074.0035.60Pass107206.2804-11.8358.2846.4574.0027.55Pass119608.4406-7.3750.0642.6974.0031.31Pass	NOFreq. [MHz][dB]Reading [dBµV]Level [dBµV/m]Limit [dBµV/m]Margin [dB]ResultPolarity11291.62921.0439.3140.3574.0033.65PassH21966.09664.3838.9743.3574.0030.65PassH34804.1203-16.2361.1344.9074.0029.10PassH47206.2804-11.8364.9053.0774.0020.93PassH59608.4406-7.3758.1950.8274.0023.18PassH613675.7117-1.7347.5245.7974.0028.21PassH71357.83581.2539.0140.2674.0033.74PassV82038.10384.6738.1642.8374.0031.17PassV94804.1203-16.2354.6338.4074.0035.60PassV107206.2804-11.8358.2846.4574.0031.31PassV

Mode:			G	FSK Transmit	tting		Channel: 2441 MHz			2
1	10	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1269.2269	0.98	39.47	40.45	74.00	33.55	Pass	Н	PK
	2	1781.0781	3.22	39.09	42.31	74.00	31.69	Pass	н	PK
	3	4882.1255	-16.21	62.88	46.67	74.00	27.33	Pass	Н	PK
2	4	7323.2882	-11.65	61.81	50.16	74.00	23.84	Pass	Н	PK
5	5	9764.451	-7.49	56.13	48.64	74.00	25.36	Pass	Н	PK
-	6	13095.673	-3.69	48.43	44.74	74.00	29.26	Pass	Н	PK
	7	1307.6308	1.09	39.39	40.48	74.00	33.52	Pass	V	PK
	8	1766.0766	3.17	39.26	42.43	74.00	31.57	Pass	V	PK
	9	5040.136	-15.76	52.29	36.53	74.00	37.47	Pass	V	PK
	10	7323.2882	-11.65	55.62	43.97	74.00	30.03	Pass	V	PK
	11	9764.451	-7.49	49.52	42.03	74.00	31.97	Pass	V	PK
	12	14381.7588	0.92	45.95	46.87	74.00	27.13	Pass	V	PK









# CTI华测检测 Report No. : EED32P81864402





## Page 29 of 48

Mode	e:		GFSK Transmitting			Channel:		2480 MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	1306.6307	1.09	39.13	40.22	74.00	33.78	Pass	Н	PK	
2	1940.294	4.24	38.23	42.47	74.00	31.53	Pass	Н	PK	
3	4960.1307	-15.97	63.48	47.51	74.00	26.49	Pass	Н	PK	
4	7440.296	-11.34	60.12	48.78	74.00	25.22	Pass	Н	PK	
5	9920.4614	-7.10	53.63	46.53	74.00	27.47	Pass	Н	PK	
6	13740.716	-1.72	47.56	45.84	74.00	28.16	Pass	Н	PK	
7	1324.8325	1.14	39.34	40.48	74.00	33.52	Pass	V	PK	
8	1924.2924	4.16	37.91	42.07	74.00	31.93	Pass	V	PK	
9	4960.1307	-15.97	53.30	37.33	74.00	36.67	Pass	V	PK	
10	7440.296	-11.34	55.59	44.25	74.00	29.75	Pass	V	PK	
11	9920.4614	-7.10	49.22	42.12	74.00	31.88	Pass	V	PK	
12	13722.7148	-1.74	46.93	45.19	74.00	28.81	Pass	V	PK	
57		100	/	- (G-*	7	[G-"	1		1657	
Mode	ə:		π/4DQPSK Tra	nsmitting		Channel:		2402 MHz	2402 MHz	
NO	Freq.	Factor	r Reading	Level	Limit					
	[MHz]		[dBµV]	[dBµV/m]	[dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	[MHz] 1353.8354	1.23				Margin [dB] 33.34	Result Pass	Polarity H	Remark PK	
1			[dBµV]	[dBµV/m]	[dBµV/m]					
	1353.8354	1.23	[dBµV] 39.43 38.39	[dBµV/m] 40.66	[dBµV/m] 74.00	33.34	Pass	H	PK	
2	1353.8354 1833.2833	1.23 3.53	[dBµV] 39.43 38.39 58.38	[dBµV/m] 40.66 41.92	[dBµV/m] 74.00 74.00	33.34 32.08	Pass Pass	H H	PK PK	
2	1353.8354 1833.2833 4804.1203	1.23 3.53 -16.23	[dBµV] 39.43 38.39 58.38	[dBµV/m] 40.66 41.92 42.15	[dBµV/m] 74.00 74.00 74.00	33.34 32.08 31.85	Pass Pass Pass	H H H	PK PK PK	
2 3 4	1353.8354 1833.2833 4804.1203 7206.2804	1.23 3.53 -16.23 -11.83	[dBµV] 39.43 38.39 58.38 63.02	[dBµV/m] 40.66 41.92 42.15 51.19	[dBµV/m] 74.00 74.00 74.00 74.00	33.34 32.08 31.85 22.81	Pass Pass Pass Pass	H H H H	РК РК РК РК	
2 3 4 5	1353.8354 1833.2833 4804.1203 7206.2804 9608.4406	1.23 3.53 -16.23 -11.83 -7.37	[dBµV] 39.43 38.39 58.38 63.02 58.86	[dBµV/m] 40.66 41.92 42.15 51.19 51.49	[dBµV/m] 74.00 74.00 74.00 74.00 74.00	33.34 32.08 31.85 22.81 22.51	Pass Pass Pass Pass Pass	H H H H	РК РК РК РК РК	
2 3 4 5 6	1353.8354 1833.2833 4804.1203 7206.2804 9608.4406 14381.7588	1.23 3.53 -16.23 -11.83 -7.37 0.92	[dBµV] 39.43 38.39 58.38 63.02 58.86 44.39	[dBµV/m] 40.66 41.92 42.15 51.19 51.49 45.31	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00	33.34 32.08 31.85 22.81 22.51 28.69	Pass Pass Pass Pass Pass Pass	H H H H H	РК РК РК РК РК РК	
2 3 4 5 6 7	1353.8354           1833.2833           4804.1203           7206.2804           9608.4406           14381.7588           1339.4339	1.23 3.53 -16.23 -11.83 -7.37 0.92 1.19	[dBµV] 39.43 38.39 58.38 63.02 58.86 44.39 39.49 38.62	[dBµV/m] 40.66 41.92 42.15 51.19 51.49 45.31 40.68	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00	33.34 32.08 31.85 22.81 22.51 28.69 33.32	Pass Pass Pass Pass Pass Pass Pass	H H H H H V	РК РК РК РК РК РК РК	
2 3 4 5 6 7 8	1353.8354 1833.2833 4804.1203 7206.2804 9608.4406 14381.7588 1339.4339 1753.8754	1.23 3.53 -16.23 -11.83 -7.37 0.92 1.19 3.13	[dBµV] 39.43 38.39 58.38 63.02 58.86 44.39 39.49 38.62 52.46	[dBµV/m] 40.66 41.92 42.15 51.19 51.49 45.31 40.68 41.75	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	33.34 32.08 31.85 22.81 22.51 28.69 33.32 32.25	Pass Pass Pass Pass Pass Pass Pass Pass	H H H H H V V	РК РК РК РК РК РК РК	
2 3 4 5 6 7 8 9	1353.8354           1833.2833           4804.1203           7206.2804           9608.4406           14381.7588           1339.4339           1753.8754           4804.1203	1.23 3.53 -16.23 -11.83 -7.37 0.92 1.19 3.13 -16.23	[dBµV] 39.43 38.39 58.38 63.02 58.86 44.39 39.49 38.62 52.46	[dBµV/m] 40.66 41.92 42.15 51.19 51.49 45.31 40.68 41.75 36.23	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	33.34 32.08 31.85 22.81 22.51 28.69 33.32 32.25 37.77	Pass Pass Pass Pass Pass Pass Pass Pass	H H H H H V V V V	РК РК РК РК РК РК РК РК	







# CTI华测检测 Report No. : EED32P81864402





## Page 30 of 48

	Mode	:		π/4DQPSK Transmitting			Channel:		2441 MHz	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1426.8427	1.41	39.14	40.55	74.00	33.45	Pass	Н	PK
10	2	1965.0965	4.37	38.30	42.67	74.00	31.33	Pass	Н	PK
5	3	4882.1255	-16.21	58.54	42.33	74.00	31.67	Pass	Н	PK
2	4	7323.2882	-11.65	59.47	47.82	74.00	26.18	Pass	Н	PK
	5	9764.451	-7.49	56.69	49.20	74.00	24.80	Pass	Н	PK
	6	13770.718	-1.67	47.48	45.81	74.00	28.19	Pass	Н	PK
	7	1408.6409	1.40	38.96	40.36	74.00	33.64	Pass	V	PK
	8	1928.0928	4.18	37.68	41.86	74.00	32.14	Pass	V	PK
	9	4882.1255	-16.21	52.67	36.46	74.00	37.54	Pass	V	PK
	10	7323.2882	-11.65	53.86	42.21	74.00	31.79	Pass	V	PK
	11	9764.451	-7.49	49.89	42.40	74.00	31.60	Pass	V	PK
2	12	13720.7147	-1.74	46.33	44.59	74.00	29.41	Pass	V	PK
	· /		6	/	107	)	105			657
Ш I										
4	Mode	:		π/4DQPSK Tra	insmitting		Channel:		2480 MHz	Z
~	Mode NO	: Freq. [MHz]	Factor [dB]		Level [dBµV/m]	Limit [dBµV/m]	Channel: Margin [dB]	Result	2480 MHz Polarity	z Remark
		Freq.	Factor	Reading	Level			Result		
	NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBµV/m]	[dBµV/m]	Margin [dB]		Polarity	Remark
	NO 1	Freq. [MHz] 1400.8401	Factor [dB]	Reading [dBμV] 38.97 38.57	Level [dBµV/m] 40.36	[dBµV/m] 74.00	Margin [dB] 33.64	Pass	Polarity H	Remark PK
	NO 1 2	Freq. [MHz] 1400.8401 1835.2835	Factor [dB] 1.39 3.54	Reading [dBμV] 38.97 38.57 60.05	Level [dBµV/m] 40.36 42.11	[dBµV/m] 74.00 74.00	Margin [dB] 33.64 31.89	Pass Pass	Polarity H H	Remark PK PK
	NO 1 2 3	Freq. [MHz] 1400.8401 1835.2835 4961.1307	Factor [dB] 1.39 3.54 -15.97	Reading [dBμV] 38.97 38.57 60.05	Level [dBµV/m] 40.36 42.11 44.08	[dBµV/m] 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92	Pass Pass Pass	Polarity H H H	Remark PK PK PK
C.N.	NO 1 2 3 4	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296	Factor [dB] 1.39 3.54 -15.97 -11.34	Reading [dBμV]           38.97           38.57           60.05           56.76	Level [dBµV/m] 40.36 42.11 44.08 45.42	[dBµV/m] 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58	Pass Pass Pass Pass	Polarity H H H H	Remark PK PK PK PK
CN:	NO 1 2 3 4 5	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296 9920.4614	Factor [dB] 1.39 3.54 -15.97 -11.34 -7.10	Reading [dBμV]           38.97           38.57           60.05           56.76           53.55	Level [dBµV/m] 40.36 42.11 44.08 45.42 46.45	[dBµV/m] 74.00 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58 27.55	Pass Pass Pass Pass Pass	Polarity H H H H H	Remark PK PK PK PK PK
C.N.	NO 1 2 3 4 5 6	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296 9920.4614 14361.7574	Factor [dB] 1.39 3.54 -15.97 -11.34 -7.10 0.58	Reading [dBμV]           38.97           38.57           60.05           56.76           53.55           44.46	Level [dBµV/m] 40.36 42.11 44.08 45.42 46.45 45.04	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58 27.55 28.96	Pass Pass Pass Pass Pass Pass	Polarity H H H H H H	Remark PK PK PK PK PK PK
CN:	NO 1 2 3 4 5 6 7	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296 9920.4614 14361.7574 1356.4356	Factor [dB] 1.39 3.54 -15.97 -11.34 -7.10 0.58 1.25	Reading [dBμV]           38.97           38.57           60.05           56.76           53.55           44.46           39.41           37.73	Level [dBµV/m] 40.36 42.11 44.08 45.42 46.45 45.04 40.66	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58 27.55 28.96 33.34	Pass Pass Pass Pass Pass Pass Pass	Polarity H H H H H H V	Remark PK PK PK PK PK PK PK
C.N.	NO 1 2 3 4 5 6 7 8	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296 9920.4614 14361.7574 1356.4356 1874.6875	Factor [dB] 1.39 3.54 -15.97 -11.34 -7.10 0.58 1.25 3.84	Reading [dBμV]           38.97           38.57           60.05           56.76           53.55           44.46           39.41           37.73           55.16	Level [dBµV/m] 40.36 42.11 44.08 45.42 46.45 45.04 40.66 41.57	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58 27.55 28.96 33.34 32.43	Pass Pass Pass Pass Pass Pass Pass Pass	Polarity H H H H H H V V	Remark PK PK PK PK PK PK PK PK
C.N.	NO 1 2 3 4 5 6 7 8 9	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296 9920.4614 14361.7574 1356.4356 1874.6875 4960.1307	Factor [dB] 1.39 3.54 -15.97 -11.34 -7.10 0.58 1.25 3.84 -15.97	Reading [dBμV]           38.97           38.57           60.05           56.76           53.55           44.46           39.41           37.73           55.16	Level [dBµV/m] 40.36 42.11 44.08 45.42 46.45 45.04 40.66 41.57 39.19	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58 27.55 28.96 33.34 32.43 34.81	Pass Pass Pass Pass Pass Pass Pass Pass	Polarity H H H H H V V V V	Remark PK PK PK PK PK PK PK PK
C.N.S	NO 1 2 3 4 5 6 7 8 9 10	Freq. [MHz] 1400.8401 1835.2835 4961.1307 7440.296 9920.4614 14361.7574 1356.4356 1874.6875 4960.1307 7440.296	Factor [dB] 1.39 3.54 -15.97 -11.34 -7.10 0.58 1.25 3.84 -15.97 -11.34	Reading [dBμV]           38.97           38.57           60.05           56.76           53.55           44.46           39.41           37.73           55.16           53.64	Level [dBµV/m] 40.36 42.11 44.08 45.42 46.45 45.04 40.66 41.57 39.19 42.30	[dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	Margin [dB] 33.64 31.89 29.92 28.58 27.55 28.96 33.34 32.43 34.81 31.70	Pass Pass Pass Pass Pass Pass Pass Pass	Polarity H H H H H H V V V V V	Remark PK PK PK PK PK PK PK PK PK













# CTI华测检测 Report No. : EED32P81864402





	Mode:			8DPSK Transmitting			Channel:		2402 MHz		
	NO	Freq. [MHz]	Factor [dB]	- Reading [dBμV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	1306.4306	1.08	39.10	40.18	74.00	33.82	Pass	Н	PK	
10	2	1790.279	3.25	38.28	41.53	74.00	32.47	Pass	Н	PK	
1	3	4804.1203	-16.23	58.79	42.56	74.00	31.44	Pass	Н	PK	
Ľ	4	7206.2804	-11.83	62.48	50.65	74.00	23.35	Pass	Н	PK	
	5	9608.4406	-7.37	58.61	51.24	74.00	22.76	Pass	Н	PK	
	6	13731.7154	-1.72	47.64	45.92	74.00	28.08	Pass	н	PK	
	7	1344.6345	1.20	39.08	40.28	74.00	33.72	Pass	V	PK	
	8	1845.8846	3.62	38.00	41.62	74.00	32.38	Pass	V	PK	
Ī	9	5230.1487	-14.59	52.00	37.41	74.00	36.59	Pass	V	PK	
Ī	10	7206.2804	-11.83	55.45	43.62	74.00	30.38	Pass	V	PK	
	11	9608.4406	-7.37	49.81	42.44	74.00	31.56	Pass	V	PK	
2	12	13723.7149	-1.74	46.08	44.34	74.00	29.66	Pass	V	PK	
5	1	16.		7 (657)			(G)*			(G) /	
-	Mode:			8DPSK Transm	itting		Channel:		2441 MHz	2	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	1396.0396	1.38	38.86	40.24	74.00	33.76	Pass	Н	PK	
	2	2050.305	4.72	37.69	42.41	74.00	31.59	Pass	Н	PK	
	3	4882.1255	-16.21	62.37	46.16	74.00	27.84	Pass	Н	PK	
	4	7323.2882	-11.65	59.37	47.72	74.00	26.28	Pass	Н	PK	
2	5	9764.451	-7.49	56.49	49.00	74.00	25.00	Pass	Н	PK	
3	6	13826.7218	-1.72	46.93	45.21	74.00	28.79	Pass	Н	PK	
-	7	1392.0392	1.36	39.64	41.00	74.00	33.00	Pass	V	PK	
	8	1973.4974	4.42	38.94	43.36	74.00	30.64	Pass	V	PK	

4782.1188 -16.29 74.00 V ΡK 9 56.89 40.60 33.40 Pass 10 42.41 74.00 31.59 V ΡK 7323.2882 -11.65 54.06 Pass 9764.451 -7.49 49.84 42.35 74.00 31.65 V ΡK 11 Pass 12 13697.7132 -1.77 46.70 44.93 74.00 29.07 V ΡK Pass







Hotline:400-6788-333







# CTI 华测检测 Report No.: EED32P81864402





### Page 32 of 48

Mod	le:	8DPSK Transm	nitting	Channel:			2480 MHz		
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.8332	1.16	38.70	39.86	74.00	34.14	Pass	н	PK
2	1880.288	3.88	38.83	42.71	74.00	31.29	Pass	н	PK
3	4960.1307	-15.97	60.32	44.35	74.00	29.65	Pass	н	PK
4	7440.296	-11.34	57.44	46.10	74.00	27.90	Pass	Н	PK
5	9920.4614	-7.10	53.24	46.14	74.00	27.86	Pass	Н	PK
6	14387.7592	1.02	44.19	45.21	74.00	28.79	Pass	Н	PK
7	1414.6415	1.40	38.88	40.28	74.00	33.72	Pass	V	PK
8	1900.29	4.03	37.93	41.96	74.00	32.04	Pass	V	PK
9	4960.1307	-15.97	51.70	35.73	74.00	38.27	Pass	V	PK
10	7440.296	-11.34	51.79	40.45	74.00	33.55	Pass	V	PK
11	9920.4614	-7.10	49.09	41.99	74.00	32.01	Pass	V	PK
12	13728.7152	-1.73	46.40	44.67	74.00	29.33	Pass	V	PK
5 J.	•	0		6	)	6	)	•	67

#### 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

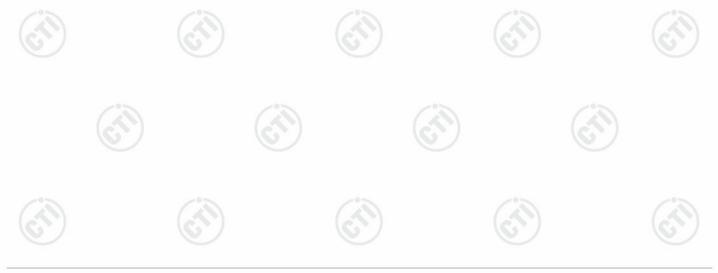
2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

















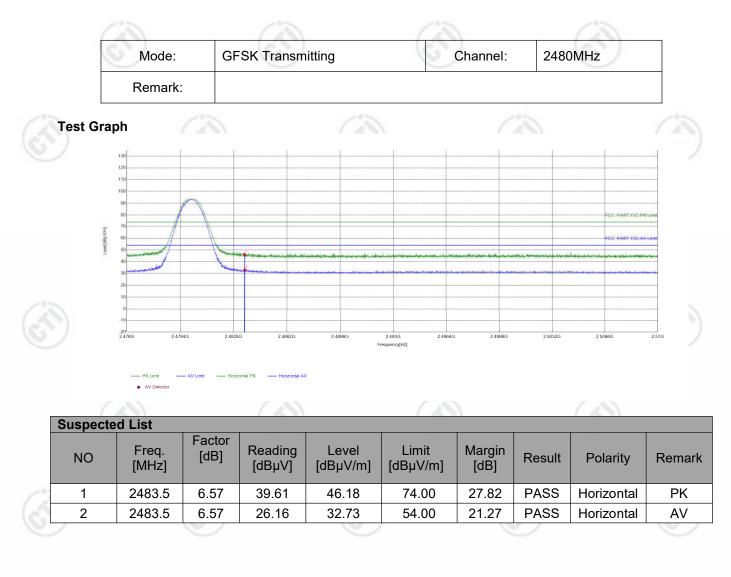










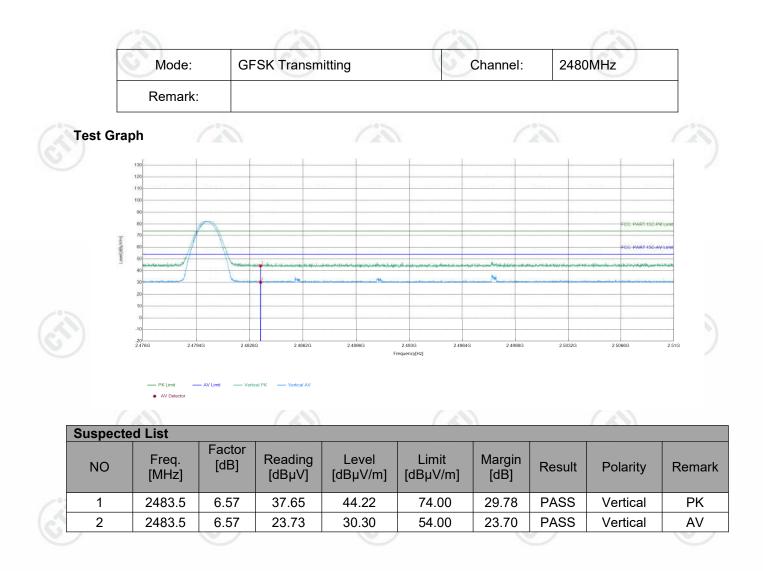


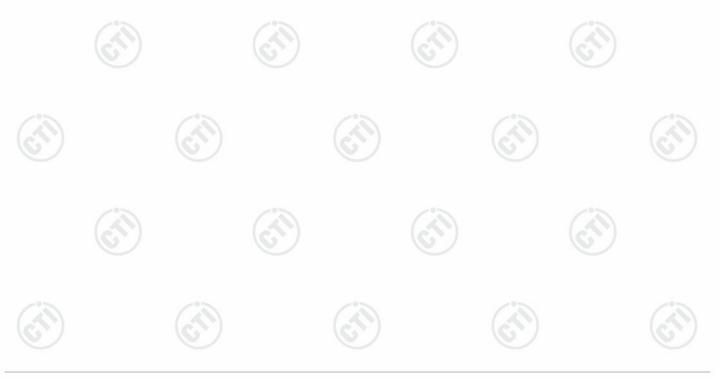








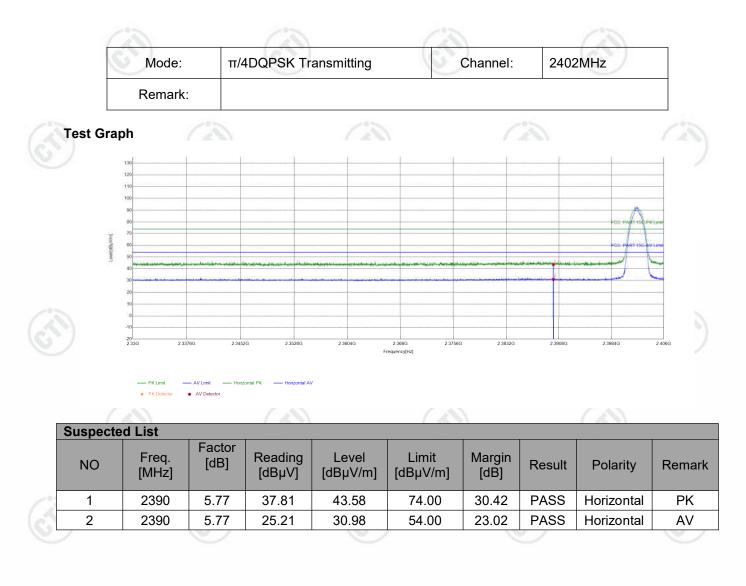












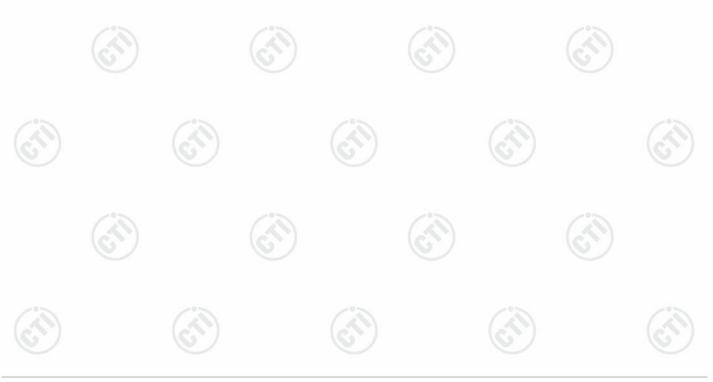
















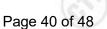
























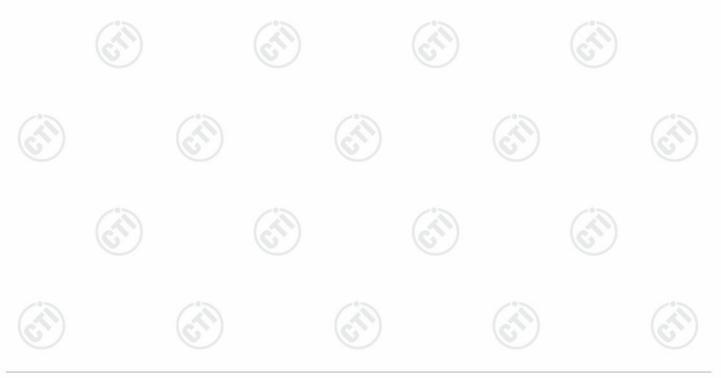






























Note:

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





Page 45 of 48

## 5 Appendix BT Classic

Refer to Appendix: Bluetooth Classic of EED32P81864402

