



Product Tablet PC

Trade mark N/A

Model/Type reference **MD-100N** 

Serial Number : N/A

: EED32R80995702 **Report Number** 

FCC ID : 2AUX7-MD100

Date of Issue : Aug. 04, 2025

**Test Standards** 47 CFR Part 15 Subpart C

Test result **PASS** 

## Prepared for:

**Estone Technology LTD** 2F, Building No.1, Jia'an Industrial Park, No.2 Long Chang Road, Bao'an, Shenzhen 518101, China

Prepared by:

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Aug. 04, 2025

Check No.:5729170625





















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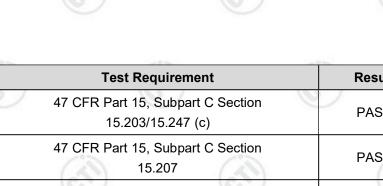












Test Item	Test Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	PASS	
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	PASS	
Maximum Conducted Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(1)	PASS	
20dB Emission Bandwidth	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	







































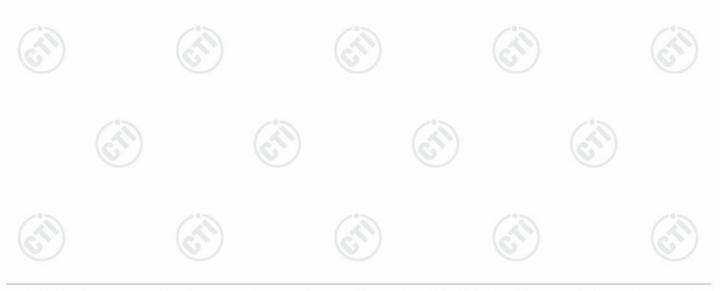


## 3.1 Client Information

Applicant:	Estone Technology LTD
Address of Applicant:	2F, Building No.1, Jia'an Industrial Park, No.2 Long Chang Road, Bao'an, Shenzhen 518101, China
Manufacturer:	Estone Technology LTD
Address of Manufacturer:	2F, Building No.1, Jia'an Industrial Park, No.2 Long Chang Road, Bao'an, Shenzhen 518101, China
Factory:	Estone Technology LTD
Address of Factory:	2F, Building No.1, Jia'an Industrial Park, No.2 Long Chang Road, Bao'an, Shenzhen 518101, China

# 3.2 General Description of EUT

Product Name:	Tablet PC				
Model No.:	MD-100N	(*)	('5		
Trade Mark:	N/A	(25)	(27)		
Product Type:	☐ Mobile ☐ Portable	☐ Fixed Location			
Operation Frequency:	2402MHz-2480MHz				
Modulation Technique:	Frequency Hopping Spread	Spectrum(FHSS)			
Modulation Type:	GFSK, π/4DQPSK, 8DPSK				
Number of Channel:	79	5)	0		
Hopping Channel Type:	Adaptive Frequency Hoppin	g systems			
Antenna Type:	PCB Antenna				
Antenna Gain:	-0.12dBi				
D	Adapter: DC19V	(6)	(67)		
Power Supply:	Battery: DC 7.4V				
Test Voltage:	DC 19V				
Sample Received Date:	Jul. 01, 2025		/°>		
Sample tested Date:	Jul. 01, 2025 to Jul. 17, 202	5	(27)		





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

## Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency(MHz)
The lowest channel (CH0)	2402
The middle channel (CH39)	2441
The highest channel (CH78)	2480







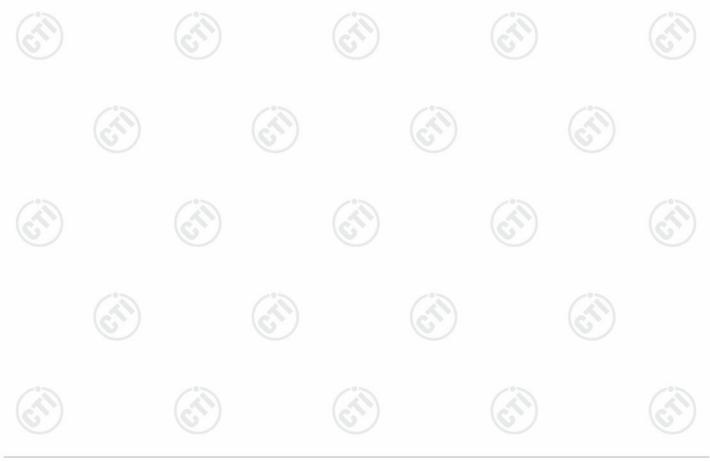






#### **Test Configuration** 3.3

EUT Test Software Settings	s:	
Test Software:	N/A	
EUT Power Grade:	Default (Power level is built-in set selected)	parameters and cannot be changed and
Use test software to set the I transmitting of the EUT.	owest frequency, the middle frequency	and the highest frequency keep
Mode	Channel	Frequency(MHz)
	CH0	2402
DH1/DH3/DH5	CH39	2441
	CH78	2480
	CH0	2402
2DH1/2DH3/2DH5	CH39	2441
	CH78	2480
	CH0	2402
3DH1/3DH3/3DH5	CH39	2441
(3)	CH78	2480







Operating Environment	:			
Radiated Spurious Emi	ssions:			
Temperature:	22~25.0 °C			
Humidity:	50~55 % RH			
Atmospheric Pressure:	1010mbar		(1)	13
Conducted Emissions:				
Temperature:	22~25.0 °C			
Humidity:	50~55 % RH			
Atmospheric Pressure:	1010mbar	-05		
RF Conducted:				
Temperature:	22~25.0 °C			
Humidity:	50~55 % RH			
Atmospheric Pressure:	1010mbar			
200	200		455	

#### 3.5 **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	P77F	FCC&CE	СТІ

#### 3.6 **Test Location**

All tests were performed at:

Centre Testing International Group Co., Ltd

Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

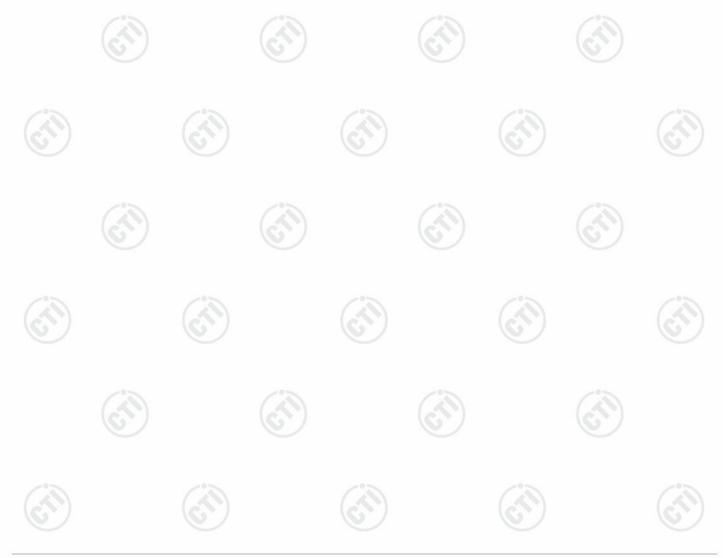
No tests were sub-contracted. FCC Designation No.: CN1164





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

Item	Measurement Uncertainty	
Radio Frequency	7.9 x 10 <sup>-8</sup>	
DE novembro de desta d	0.46dB (30MHz-1GHz)	
RF power, conducted	0.55dB (1GHz-40GHz)	
	3.3dB (9kHz-30MHz)	
Redicted Country aminging test	4.3dB (30MHz-1GHz)	
Radiated Spurious emission test	4.5dB (1GHz-18GHz)	
	3.4dB (18GHz-40GHz)	
Conduction emission	3.5dB (9kHz-150kHz)	
Conduction emission	3.1dB (150kHz-30MHz)	
Temperature test	0.64°C	
Humidity test	3.8%	
DC power voltages	0.026%	
	Radio Frequency  RF power, conducted  Radiated Spurious emission test  Conduction emission  Temperature test  Humidity test	

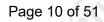






		RF test	system		
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-05-2024	12-04-2025
Signal Generator	Keysight	N5182B	MY53051549	11-30-2024	11-29-2025
DC Power	Keysight	E3642A	MY56376072	11-30-2024	11-29-2025
Communication test	R&S	CMW500	169004	03-03-2025	03-02-2026
RF control unit(power unit)	JS Tonscend	JS0806-2	22G8060592	07-22-2024	07-21-2025
Wi-Fi 7GHz Band Extendder	JS Tonscend	TS-WF7U2	2206200002	05-12-2025	05-11-2026
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-30-2024	11-29-2025
Temperature/	biaozhi	HM10	1804186	05-26-2025	05-25-2026
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	V3.3.20		(6)
Spectrum Analyzer	R&S	FSV3044	101509	02-14-2025	02-13-2026

Conducted disturbance Test							
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)		
Receiver	R&S	ESCI	100435	04-08-2025	04-07-2026		
Temperature/ Humidity Indicator	Defu	TH128		03-31-2025	03-30-2026		
LISN	R&S	ENV216	100098	09-19-2024	09-18-2025		
Barometer	changchun	DYM3	1188				
Test software	Fara	EZ-EMC	EMC-CON 3A1.1	(FS)	(2		
Capacitive voltage probe	Schwarzbeck	CVP 9222C	00124	06-18-2024	06-17-2025		





				06-07-2025	06-06-2026
ISN	TESEQ	ISN T800	30297	12-05-2024	12-04-2025

			Serial	Cal. date	Cal. Due date	
Equipment	Manufacturer	Model No.	Number	(mm-dd-yyyy)	(mm-dd-yyyy)	
3M Chamber & Accessory  Equipment	TDK	SAC-3		01/13/2024	01/12/2027	
Receiver	R&S	ESCI7	100938- 003	09/07/2024	09/06/2025	
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/14/2025	05/13/2026	
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/07/2025	04/06/2026	
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/05/2024	12/04/2025	
Horn Antenna	A.H.SYSTEMS	SAS-574	374	07/02/2023	07/01/2026	
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D- 1869	04/07/2025	04/06/2026	
Preamplifier	Agilent	11909A	12-1	03/03/2025	03/02/2026	
Preamplifier	CD	PAP-1840-60	6041.6042	05/26/2025	05/25/2026	
Test software	Fara	EZ-EMC	EMEC- 3A1-Pre			
Cable line	Fulai(7M)	SF106	5219/6A	01/13/2024	01/12/2027	
Cable line	Fulai(6M)	SF106	5220/6A	01/13/2024	01/12/2027	
Cable line	Fulai(3M)	SF106	5216/6A	01/13/2024	01/12/2027	
Cable line	Fulai(3M)	SF106	5217/6A	01/13/2024	01/12/2027	













3M full-anechoic Chamber							
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)		
Fully Anechoic Chamber	TDK	FAC-3		01-09-2024	01-08-2027		
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026		
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026		
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026		
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-12-2025	04-11-2026		
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-12-2025	04-11-2026		
Horn Antenna	ETS-LINDGREN	3117	57407	06-29-2025	06-28-2026		
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026		
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024 07-07-2025	07-17-2025 07-06-2026		
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025		
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026		
Temperature/	biaozhi	GM1360	EE1186631	03-31-2025	03-30-2026		
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	<u> </u>			
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2024	01-08-2027		
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2024	01-08-2027		
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2024	01-08-2027		
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2024	01-08-2027		
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2024	01-08-2027		
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2024	01-08-2027		
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2024	01-08-2027		
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2024	01-08-2027		
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2024	01-08-2027		







## 4.1 Antenna Requirement

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

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**EUT Antenna:** Please see Internal photos

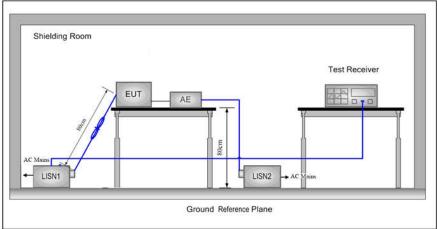
The antenna is PCB antenna. The best case gain of the antenna is -0.12dBi.







Test Requirement:	47 CFR Part 15C Section 15.20	07	(3)				
Test Method:	ANSI C63.10: 2013	(1)	(6,2)				
Test Frequency Range:							
Receiver setup:							
Limit:			Limit (dBuV)				
	Frequency range (MHz)	Quasi-peak	Average	1			
	0.15-0.5	66 to 56*	56 to 46*	8			
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithm of the frequency.						



### Test Procedure:

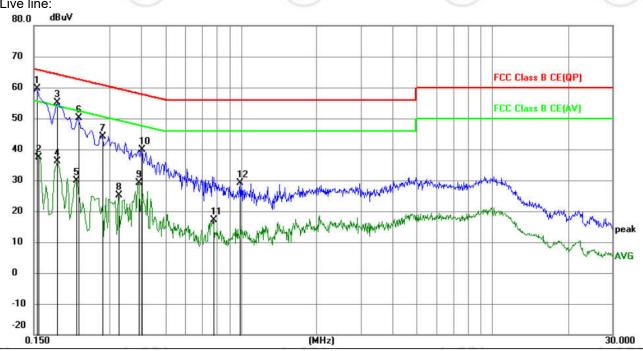
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.



Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type at the lowest, middle, high channel.
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation at the lowest channel is the worst case.
	Only the worst case is recorded in the report.
Test Results:	Pass

### **Measurement Data**





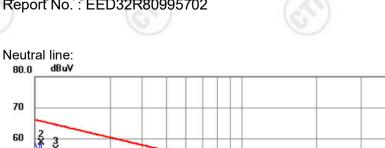
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1545	49.38	10.28	59.66	65.75	-6.09	QP	
2		0.1565	27.14	10.28	37.42	55.65	-18.23	AVG	
3		0.1860	44.85	10.23	55.08	64.21	-9.13	QP	
4		0.1860	25.87	10.23	36.10	54.21	-18.11	AVG	
5		0.2220	19.60	10.19	29.79	52.74	-22.95	AVG	
6		0.2265	40.01	10.19	50.20	62.58	-12.38	QP	
7		0.2805	34.02	10.15	44.17	60.80	-16.63	QP	
8		0.3255	14.99	10.12	25.11	49.57	-24.46	AVG	
9		0.3930	18.92	10.09	29.01	48.00	-18.99	AVG	
10		0.4020	29.82	10.09	39.91	57.81	-17.90	QP	
11		0.7755	6.95	10.17	17.12	46.00	-28.88	AVG	
12		0.9915	18.98	10.18	29.16	56.00	-26.84	QP	

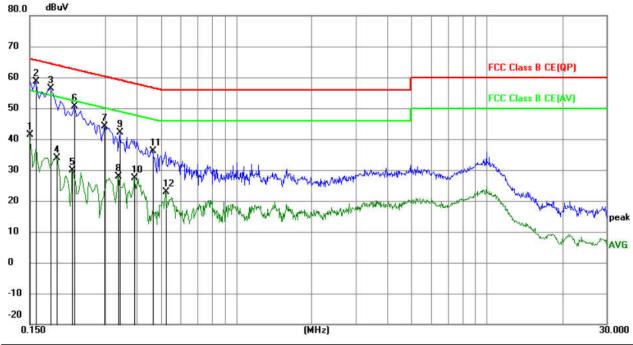
## Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.









No	٥.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
	1		0.1500	31.20	10.28	41.48	56.00	-14.52	AVG	
	2	*	0.1590	48.25	10.27	58.52	65.52	-7.00	QP	
	3		0.1815	46.17	10.24	56.41	64.42	-8.01	QP	
-	4		0.1914	23.77	10.22	33.99	53.98	-19.99	AVG	
-	5		0.2220	19.59	10.19	29.78	52.74	-22.96	AVG	Let
-	ô		0.2265	40.46	10.19	50.65	62.58	-11.93	QP	
	7		0.2985	34.03	10.13	44.16	60.28	-16.12	QP	
	8		0.3390	17.79	10.11	27.90	49.23	-21.33	AVG	
- (	9		0.3435	32.12	10.11	42.23	59.12	-16.89	QP	
10	0		0.3930	17.23	10.09	27.32	48.00	-20.68	AVG	
1	1		0.4650	26.03	10.08	36.11	56.60	-20.49	QP	
12	2		0.5235	12.68	10.08	22.76	46.00	-23.24	AVG	

## Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.







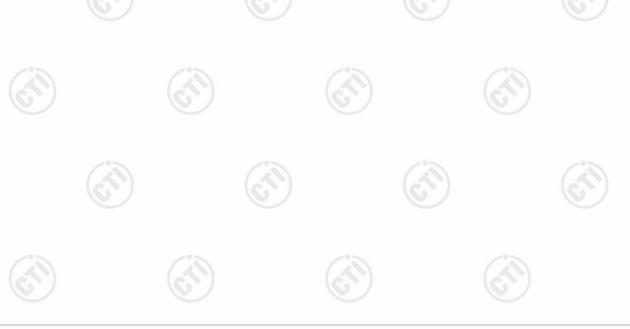








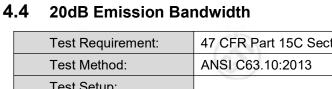
Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)					
Test Method:	ANSI C63.10:2013					
Test Setup:	RF test Control Control Power Supply RF test System Instrument  Remark: Offset=Cable loss+ attenuation factor.					
Test Procedure:	Use the following spectrum analyzer settings:  Span = approximately 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 A					

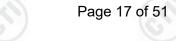








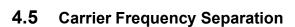




Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)					
Test Method:	ANSI C63.10:2013					
Test Setup:	Control Composition Power Power Power Power Table  RF test System System Instrument Table					
Test Procedure:	Remark: Offset=Cable loss+ attenuation factor.  1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.  2. Set to the maximum power setting and enable the EUT transmit continuously.  3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.  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.  4. Measure and record the results in the test report.					
Limit:	NA					
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 A					
777 March 177						





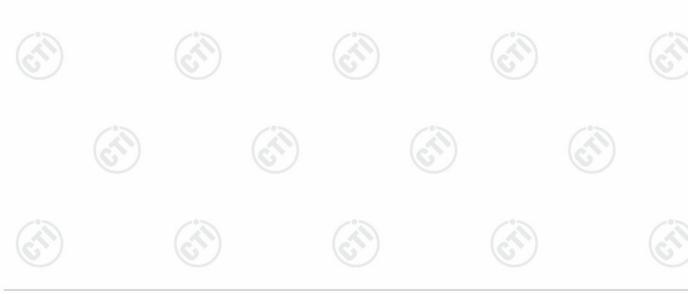


Test Requirement:	47 CFR Part 15C Sectio	n 15.247 (a)	(1)	(3)	
Test Method:	ANSI C63.10:2013	(0,)		(0,)	
Test Setup:	Control Computer Power Supply TEMPERATURE CABRIET Table	Attenuator	RF test System Instrument		
	Remark: Offset=Cable Id				
Test Procedure:	<ol> <li>The RF output of EUT was connected 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;         Detector function = peak; Trace = max hold.         Use the marker-delta function to determine the separation between the peaks of the adjacent channels.     </li> </ol>				
Limit:	Record the value in report.  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 wit	h all kind of r	modulation and all	kind of data type	
Final Test Mode:	Through Pre-scan, find modulation type, 2-DHs modulation type, 3-DH5 type.	5 of data t	ype is the worst	case of $\pi/4DQPSK$	
Test Results:	Refer to Appendix A		<b>(:)</b>	(3)	





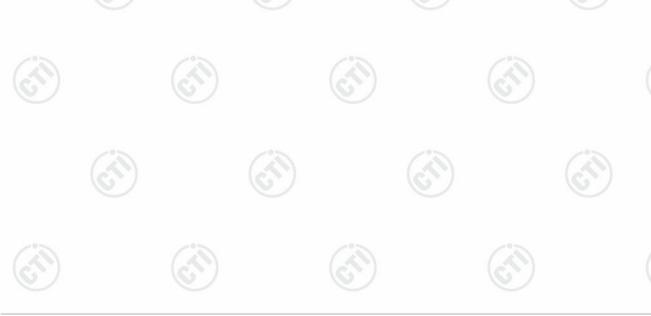
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	Control Control Control Power Power Poor Attenuator Table  RF test System Instrument
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	<ol> <li>The RF output of EUT was connected to the spectrum 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 = 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;</li> </ol>
	Detector function = peak; Trace = max hold.
	5. The number of hopping frequency used is defined as the number of total channel.
	6. Record the measurement data in report.
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 A







Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)				
Test Method:	ANSI C63.10:2013				
Test Setup:	Control Control Control Power Supply  Power Supply  Table  RF test  System  Instrument  Instrument				
	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 = 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 dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.</li> <li>Measure and record the results in the test report.</li> </ol>				
Limit:	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.				
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.				
Test Results:	Refer to Appendix A				









Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Test Setup:	Control Computer Power Supply Power Foot Table  RF test System  System  Instrument  Table
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	<ol> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Set RBW = 100 kHz, VBW = 300 kHz (≥RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.</li> <li>Enable hopping function of the EUT and then repeat step 2 and 3.</li> <li>Measure and record the results in the test report.</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:	Hopping and 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 A

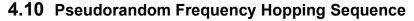






Test Requirement:	47 CFR Part 15C Section 15.247 (d)	
Test Method:	ANSI C63.10:2013	(67)
Test Setup:	Control Computer  Power Supply  TEMPERATURE CABNET  Table	RF test System Instrument
	Remark: Offset=Cable loss+ attenuate	tion factor.
Test Procedure:	cable and attenuator. The path loss we measurement.  2. Set to the maximum power secontinuously.  3. Set RBW = 100 kHz, VBW = 300k harmonics / spurs must be at least level within the authorized band as measure and record the results in the second	
Limit:	spectrum intentional radiator is operaproduced by the intentional radiator s 100 kHz bandwidth within the band	he frequency band in which the spread ating, the radio frequency power that is shall be at least 20 dB below that in the I that contains the highest level of the an RF conducted or a radiated
Exploratory Test Mode:	Non-hopping transmitting with all kind	d of modulation and all kind of data type
Final Test Mode:	modulation type, 2-DH5 of data ty	data type is the worst case of GFSK ype is the worst case of $\pi/4DQPSK$ is the worst case of 8DPSK modulation
Test Results:	Refer to Appendix A	





## 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.

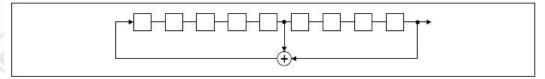
The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of 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 nine-stage shift register whose 5th and 9th stage

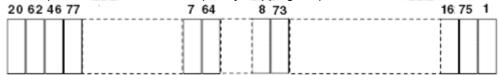
outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- 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

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

According to Bluetooth Core Specification, Bluetooth receivers are designed to have input and IF bandwidths that match the hopping channel bandwidths of any Bluetooth transmitters and shift frequencies in synchronization with the transmitted signals.

## Compliance for section 15.247(g)

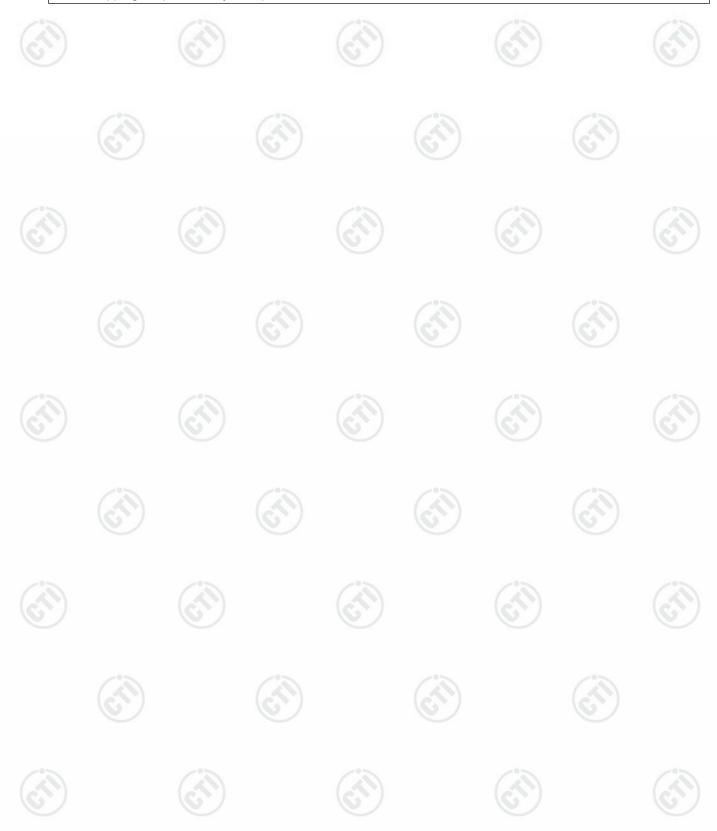
According to Bluetooth Core Specification, the Bluetooth system transmits the packet with the pseudorandom hopping frequency with a continuous data and the short burst transmission from the Bluetooth system is also transmitted under the frequency hopping system with the pseudorandom hopping frequency 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.



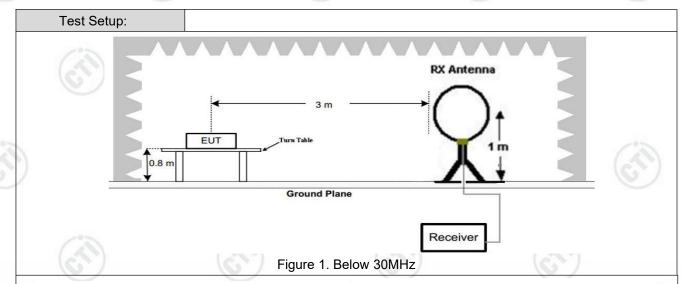


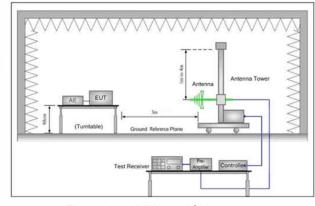


Test Requirement:	47 CFR Part 15C Section	on 1	5.209 and 15	.205	13	\					
Test Method:	ANSI C63.10: 2013		(0)		(6)	)					
Test Site:	Measurement Distance	Measurement Distance: 3m (Semi-Anechoic Chamber)  Frequency Detector RBW VBW									
Receiver Setup:	Frequency		Detector	RBW	VBW	Remark					
	0.009MHz-0.090MH	0.009MHz-0.090MHz Peak 0.009MHz-0.090MHz Average		10kHz	30kHz	Peak					
	0.009MHz-0.090MH			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		Quasi-peak	10kHz	30kHz	Quasi-peak					
	30MHz-1GHz		Peak	100 kH	z 300kHz	Peak					
	Above 4011=	Peak		1MHz	3MHz	Peak					
	Above 1GHz		Peak	1MHz	10kHz	Average					
Limit:	Frequency		ld strength rovolt/meter)	Limit (dBuV/m)	Remark	Measuremen distance (m)					
	0.009MHz-0.490MHz	24	00/F(kHz)	-	-	300					
	0.490MHz-1.705MHz	24	000/F(kHz)	-	-	30					
	1.705MHz-30MHz		30	-	-/3	30					
	30MHz-88MHz		100	40.0	Quasi-peak	3					
	88MHz-216MHz		150	43.5	Quasi-peak	3					
	216MHz-960MHz		200	46.0	Quasi-peak	3					
	960MHz-1GHz		500	54.0	Quasi-peak	3					
	Above 1GHz	. (	500	54.0	Average	3					
	Note: 15.35(b), Unless emissions is 20dE applicable to the epeak emission lev	3 abo equip	ove the maxinoment under t	num permi test. This p	tted average	emission limit					









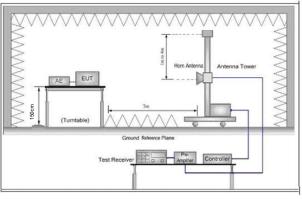


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

## Test Procedure:

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

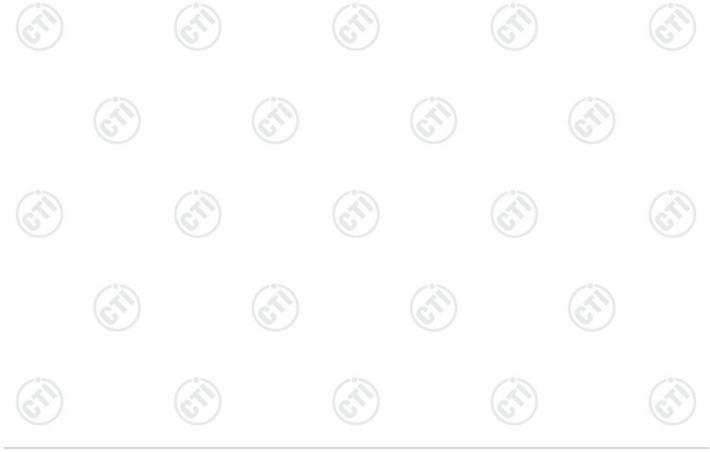
Note: For the radiated emission test above 1GHz:

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

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



	<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> <li>e. The test-receiver system was set to Peak Detect Function and Specified</li> </ul>
	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 (2441MHz),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.
	i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test N	lode: 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 prescan, the worst case is the lowest channel.
	Only the worst case is recorded in the report.
Test Results:	Pass



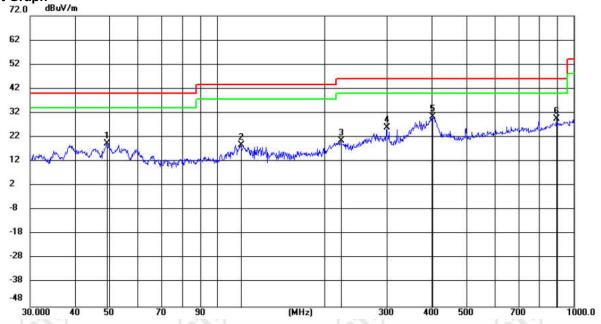


## Radiated Spurious Emission below 1GHz:

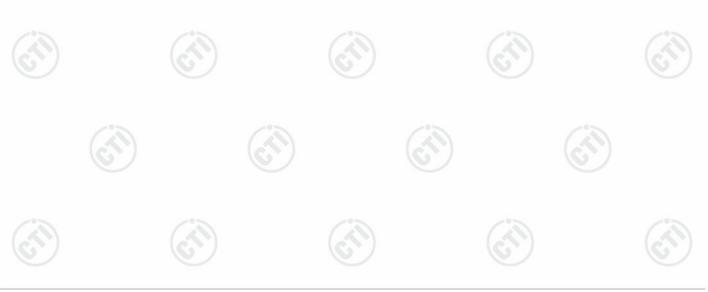
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of DH5 for GFSK was recorded in the report.

### Horizontal:





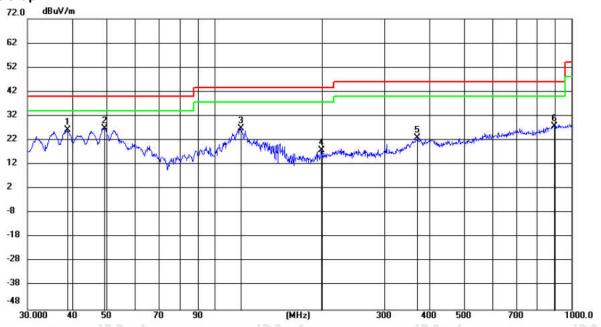
No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		49.2643	4.80	14.45	19.25	40.00	-20.75	QP	199	345	
2		116.6218	6.34	12.48	18.82	43.50	-24.68	QP	199	202	
3	9	222.4816	7.06	13.63	20.69	46.00	-25.31	QP	100	122	
4	9	299.8936	9.25	16.58	25.83	46.00	-20.17	QP	100	114	
5	* 9	401.2752	10.73	19.61	30.34	46.00	-15.66	QP	100	5	
6	19	896.2105	2.20	27.22	29.42	46.00	-16.58	QP	100	114	



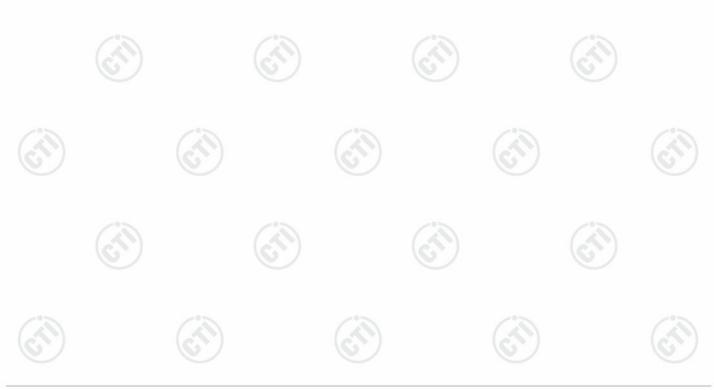




## **Test Graph**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Ŷ	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		38.8266	13.41	12.87	26.28	40.00	-13.72	QP	100	167	
2	*	49.3335	12.51	14.46	26.97	40.00	-13.03	QP	100	175	
3		118.2277	14.66	12.06	26.72	43.50	-16.78	QP	100	90	
4		198.7273	5.10	12.78	17.88	43.50	-25.62	QP	100	90	
5		370.7023	4.29	18.71	23.00	46.00	-23.00	QP	200	140	
6		895.8963	0.69	27.21	27.90	46.00	-18.10	QP	100	320	

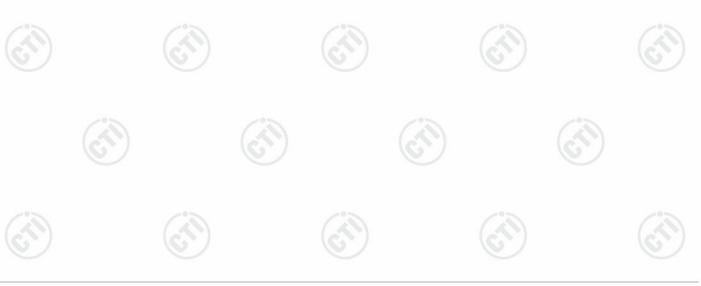


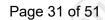


## Radiated Spurious Emission above 1GHz:

Mode	:		GFSK Transmit	ting		Channel:		2402 MHz	<u>z</u>
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1277.2185	11.80	37.48	49.28	74.00	24.72	Pass	Н	PK
2	1726.9818	14.19	36.49	50.68	74.00	23.32	Pass	Н	PK
3	3353.6236	-14.01	53.79	39.78	74.00	34.22	Pass	Н	PK
4	4471.0481	-9.83	49.73	39.90	74.00	34.10	Pass	Н	PK
5	6234.6156	-4.73	46.87	42.14	74.00	31.86	Pass	Н	PK
6	8743.7829	-0.24	45.71	45.47	74.00	28.53	Pass	Н	PK
7	1326.6884	12.27	36.62	48.89	74.00	25.11	Pass	V	PK
8	1718.9813	14.21	36.92	51.13	74.00	22.87	Pass	V	PK
9	3352.3235	-14.01	53.39	39.38	74.00	34.62	Pass	V	PK
10	4793.4696	-8.62	52.18	43.56	74.00	30.44	Pass	V	PK
11	6660.394	-3.84	47.61	43.77	74.00	30.23	Pass	V	PK
12	9952.2135	1.54	43.83	45.37	74.00	28.63	Pass	V	PK

Mode	:		GFSK Transmit	ting		Channel:		2441 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1285.619	11.90	37.19	49.09	74.00	24.91	Pass	Н	PK
2	1868.0579	14.52	36.47	50.99	74.00	23.01	Pass	Н	PK
3	3321.1214	-14.06	54.45	40.39	74.00	33.61	Pass	Н	PK
4	5022.9349	-8.07	49.84	41.77	74.00	32.23	Pass	Н	PK
5	7756.3671	-1.51	46.74	45.23	74.00	28.77	Pass	Н	PK
6	10671.1614	2.36	43.28	45.64	74.00	28.36	Pass	Н	PK
7	1315.221	12.24	36.94	49.18	74.00	24.82	Pass	V	PK
8	1968.0645	14.63	37.37	52.00	74.00	22.00	Pass	V	PK
9	3402.3768	-13.97	53.31	39.34	74.00	34.66	Pass	V	PK
10	4781.1187	-8.62	52.29	43.67	74.00	30.33	Pass	V	PK
11	6946.4131	-2.90	46.72	43.82	74.00	30.18	Pass	V	PK
12	10995.533	1.96	44.86	46.82	74.00	27.18	Pass	V	PK

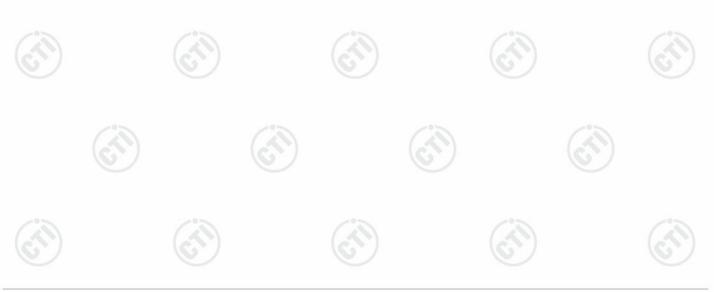


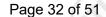




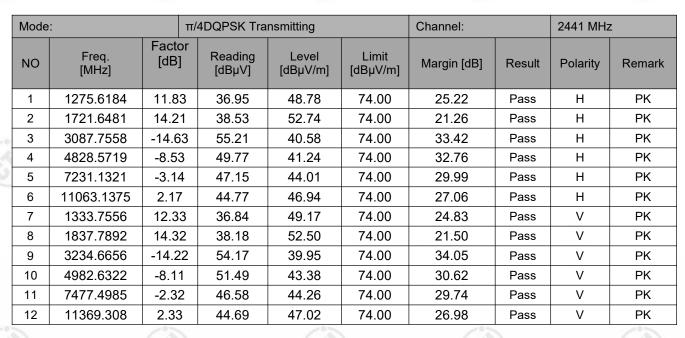
Mode	:		GFSK Transmit	ting		Channel:		2480 MHz	2
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1202.4135	11.67	37.31	48.98	74.00	25.02	Pass	Н	PK
2	1671.6448	14.03	37.11	51.14	74.00	22.86	Pass	Н	PK
3	3381.5754	-13.99	53.49	39.50	74.00	34.50	Pass	Н	PK
4	5409.7106	-6.66	48.80	42.14	74.00	31.86	Pass	Н	PK
5	7729.7153	-1.54	46.44	44.90	74.00	29.10	Pass	Н	PK
6	10768.0179	2.16	45.55	47.71	74.00	26.29	Pass	Н	PK
7	1302.1535	12.11	36.89	49.00	74.00	25.00	Pass	V	PK
8	1652.7102	13.94	37.18	51.12	74.00	22.88	Pass	V	PK
9	3296.4198	-14.09	53.44	39.35	74.00	34.65	Pass	V	PK
10	4788.2692	-8.62	52.09	43.47	74.00	30.53	Pass	V	PK
11	7146.6264	-3.16	47.15	43.99	74.00	30.01	Pass	V	PK
12	11154.1436	2.03	44.52	46.55	74.00	27.45	Pass	V	PK

10.0		/ 4/4/								
Mode	:	п	/4DQPSK Tra	nsmitting		Channel:		2402 MHz	Z	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	1206.8138	11.64	37.49	49.13	74.00	24.87	Pass	Н	PK	
2	1894.1929	14.46	36.38	50.84	74.00	23.16	Pass	Н	PK	
3	3434.879	-13.90	53.72	39.82	74.00	34.18	Pass	Н	PK	
4	5927.7952	-5.58	47.88	42.30	74.00	31.70	Pass	Н	PK	
5	8429.1619	-0.66	45.64	44.98	74.00	29.02	Pass	Н	PK	
6	10778.4186	2.07	44.11	46.18	74.00	27.82	Pass	Н	PK	
7	1344.423	12.46	38.23	50.69	74.00	23.31	Pass	V	PK	
8	1854.857	14.47	37.67	52.14	74.00	21.86	Pass	V	PK	
9	3186.5624	-14.50	54.77	40.27	74.00	33.73	Pass	V	PK	
10	4999.5333	-8.15	50.91	42.76	74.00	31.24	Pass	V	PK	
11	7773.9183	-1.75	46.23	44.48	74.00	29.52	Pass	V	PK	
12	11021.5348	2.04	44.67	46.71	74.00	27.29	Pass	V	PK	

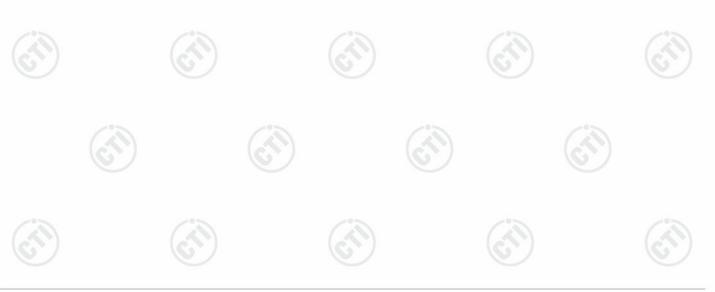


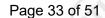




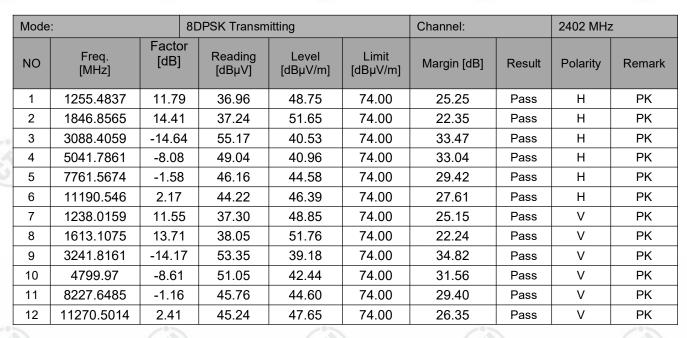


		/ 4/4/								
Mode	:	п	/4DQPSK Tra	nsmitting		Channel:		2480 MHz	Z	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	1217.2145	11.56	36.66	48.22	74.00	25.78	Pass	Н	PK	
2	1632.8422	13.89	37.29	51.18	74.00	22.82	Pass	Н	PK	
3	3093.6062	-14.68	54.36	39.68	74.00	34.32	Pass	Н	PK	
4	4905.9271	-8.25	49.67	41.42	74.00	32.58	Pass	Н	PK	
5	7713.4642	-1.62	45.86	44.24	74.00	29.76	Pass	Н	PK	
6	11455.7637	2.46	44.65	47.11	74.00	26.89	Pass	Н	PK	
7	1254.9503	11.76	37.12	48.88	74.00	25.12	Pass	V	PK	
8	1854.7236	14.47	36.44	50.91	74.00	23.09	Pass	V	PK	
9	3118.9579	-14.68	53.53	38.85	74.00	35.15	Pass	V	PK	
10	4792.1695	-8.62	52.77	44.15	74.00	29.85	Pass	V	PK	
11	6957.4638	-2.96	46.28	43.32	74.00	30.68	Pass	V	PK	
12	10217.4312	1.69	43.99	45.68	74.00	28.32	Pass	V	PK	

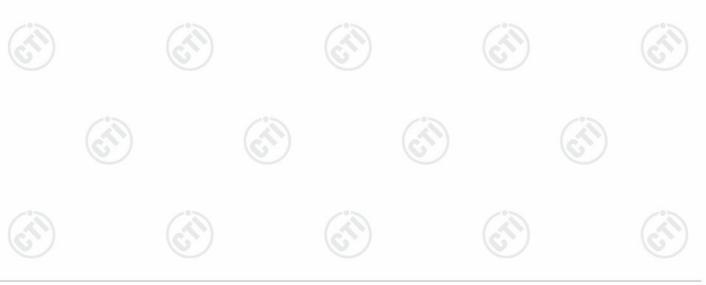




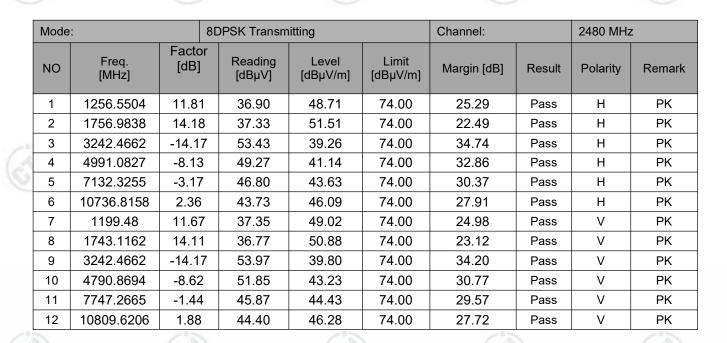




Mode	:		8DPSK Transm	itting		Channel:		2441 MHz		
NO	Freq. [MHz]	Facto [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	1257.2171	11.83	37.27	49.10	74.00	24.90	Pass	Н	PK	
2	1749.9167	14.06	37.38	51.44	74.00	22.56	Pass	Н	PK	
3	3088.4059	-14.64	55.66	41.02	74.00	32.98	Pass	Н	PK	
4	5459.1139	-6.44	48.91	42.47	74.00	31.53	Pass	Н	PK	
5	7764.8177	-1.63	46.81	45.18	74.00	28.82	Pass	Н	PK	
6	10244.733	1.93	43.82	45.75	74.00	28.25	Pass	Н	PK	
7	1138.5426	11.43	37.95	49.38	74.00	24.62	Pass	V	PK	
8	1690.3127	14.02	37.10	51.12	74.00	22.88	Pass	V	PK	
9	3238.5659	-14.19	9 54.40	40.21	74.00	33.79	Pass	V	PK	
10	5099.64	-7.57	48.47	40.90	74.00	33.10	Pass	V	PK	
11	7851.2734	-1.61	46.43	44.82	74.00	29.18	Pass	V	PK	
12	11190.546	2.17	44.99	47.16	74.00	26.84	Pass	V	PK	







### Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
  - Final Test Level = Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.



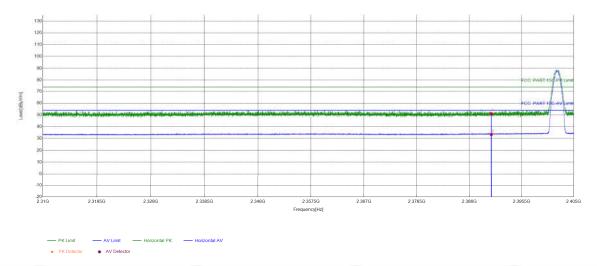




## Test plot as follows:

EUT_Name		Test_Model		
Test_Mode	GFSK Transmitting	Test_Frequency	2402MHz	
Tset_Engineer	chenjun	Test_Date	2025/07/14	
Remark		(1)		

## **Test Graph**



	Suspected List										
0.00	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
-	1	2390	15.96	35.23	51.19	74.00	22.81	PASS	Horizontal	PK	
	2	2390	15.96	17.48	33.44	54.00	20.56	PASS	Horizontal	AV	



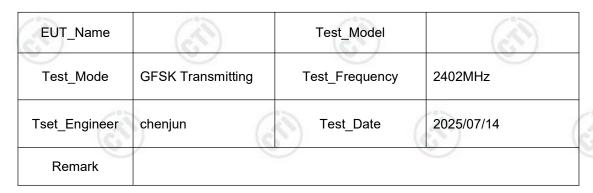




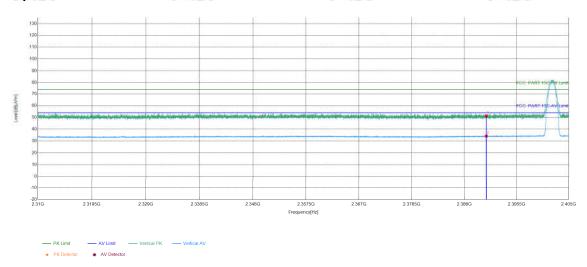




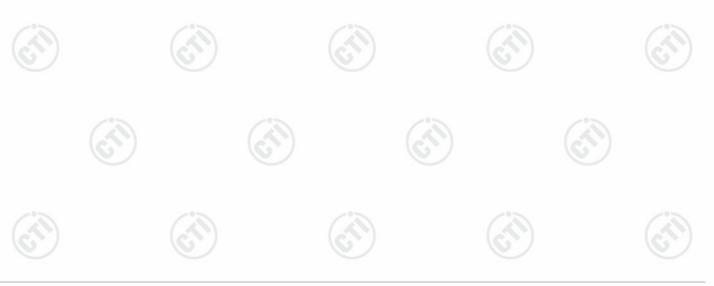




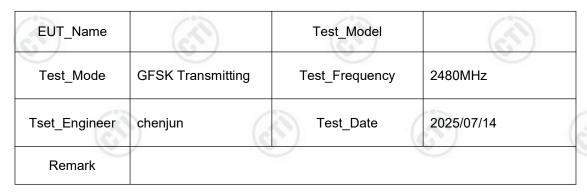
## Test Graph

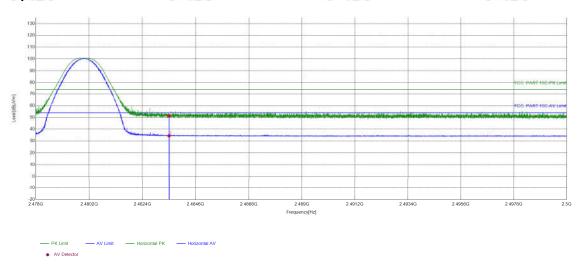


Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	35.36	51.32	74.00	22.68	PASS	Vertical	PK
2	2390	15.96	18.24	34.20	54.00	19.80	PASS	Vertical	AV

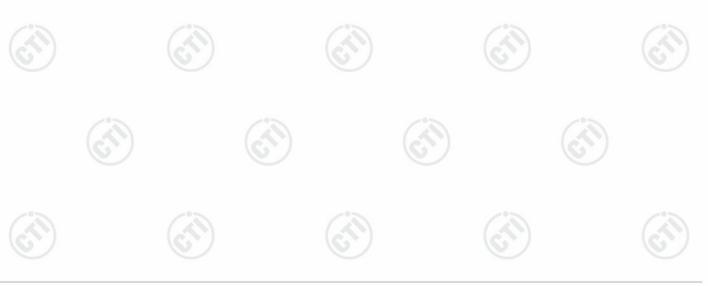




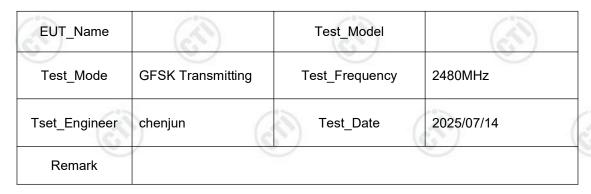


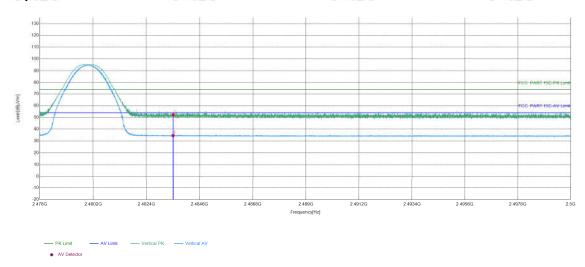


Suspecte	Suspected List											
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark			
1	2483.5	16.29	34.93	51.22	74.00	22.78	PASS	Horizontal	PK			
2	2483.5	16.29	18.16	34.45	54.00	19.55	PASS	Horizontal	AV			

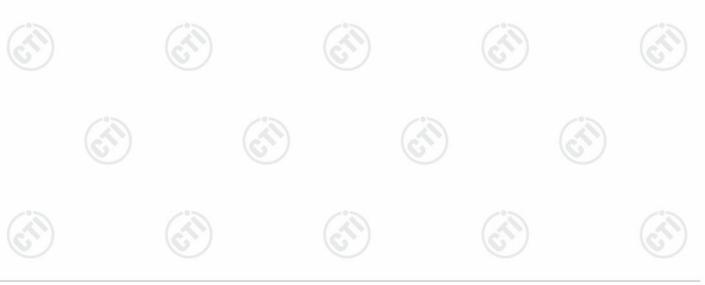




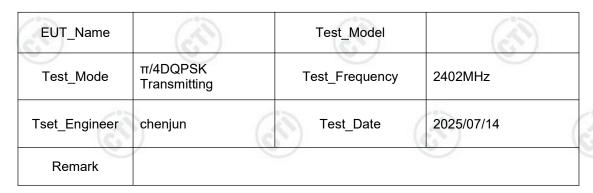


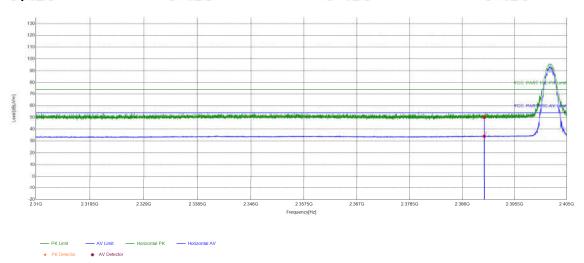


1	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5	16.29	36.07	52.36	74.00	21.64	PASS	Vertical	PK
	2	2483.5	16.29	18.32	34.61	54.00	19.39	PASS	Vertical	AV

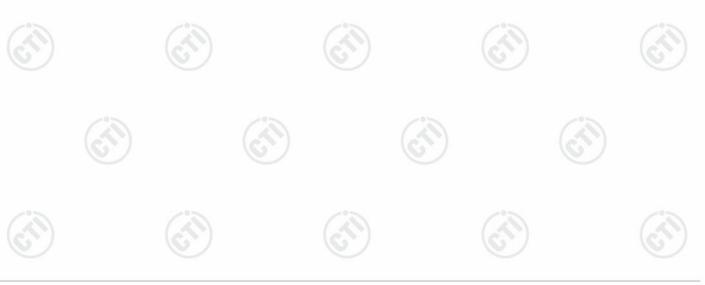




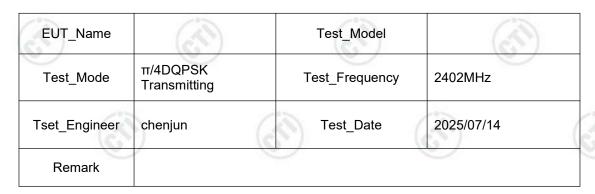


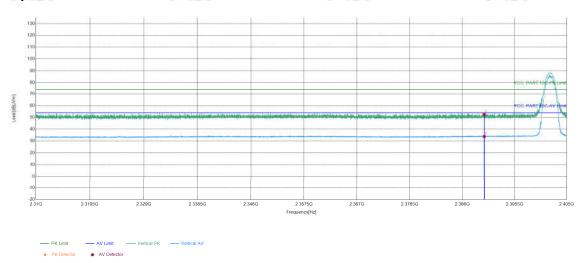


700.7									
Suspecte	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	34.10	50.06	74.00	23.94	PASS	Horizontal	PK
2	2390	15.96	18.08	34.04	54.00	19.96	PASS	Horizontal	AV

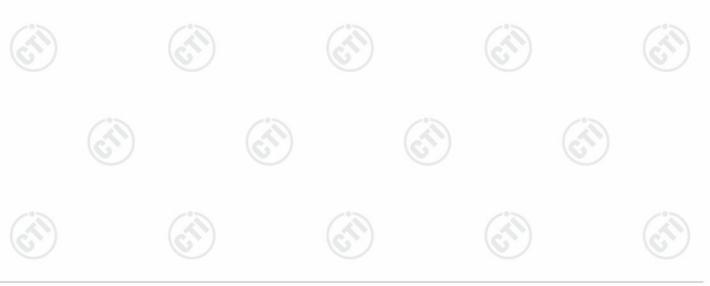




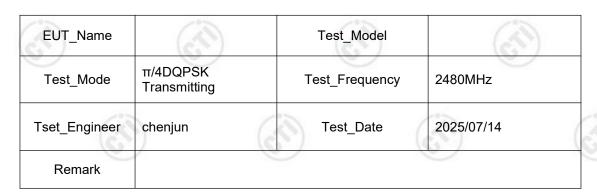


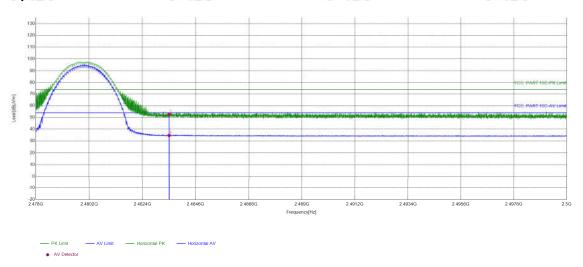


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	36.61	52.57	74.00	21.43	PASS	Vertical	PK
2	2390	15.96	17.86	33.82	54.00	20.18	PASS	Vertical	AV





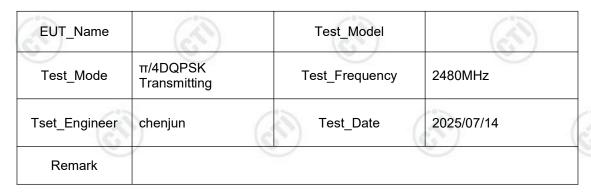


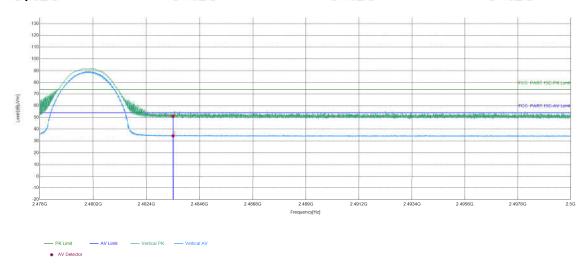


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	36.30	52.59	74.00	21.41	PASS	Horizontal	PK
2	2483.5	16.29	18.41	34.70	54.00	19.30	PASS	Horizontal	AV

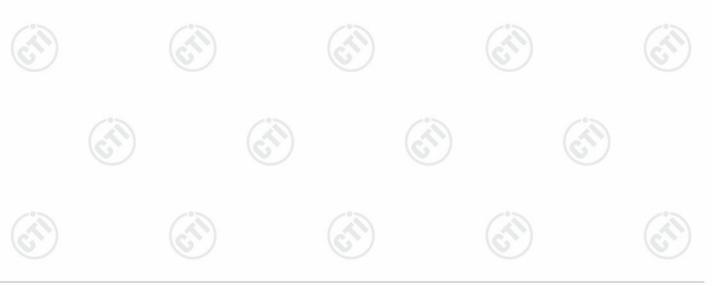




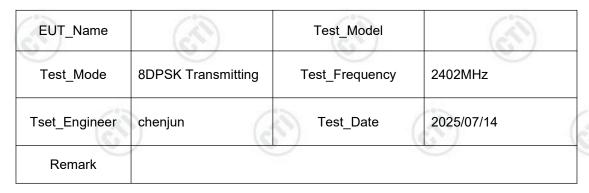


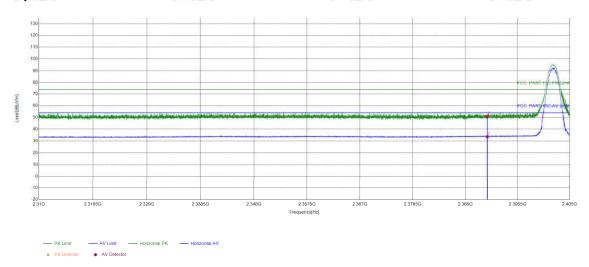


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	34.78	51.07	74.00	22.93	PASS	Vertical	PK
2	2483.5	16.29	18.13	34.42	54.00	19.58	PASS	Vertical	AV

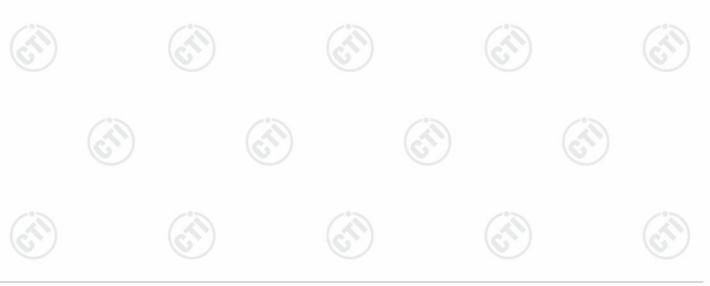




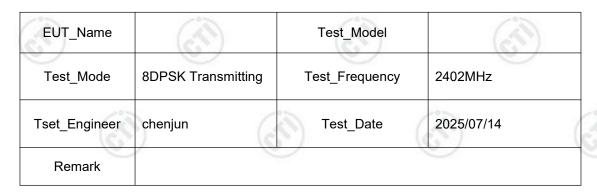


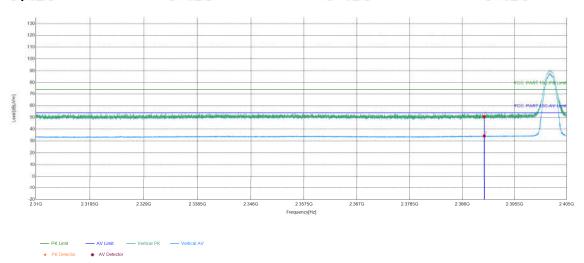


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	34.92	50.88	74.00	23.12	PASS	Horizontal	PK
2	2390	15.96	17.64	33.60	54.00	20.40	PASS	Horizontal	AV

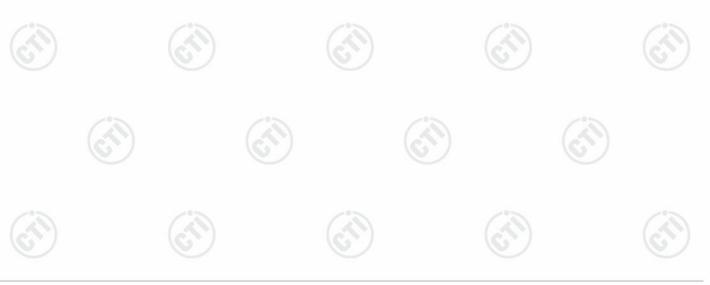




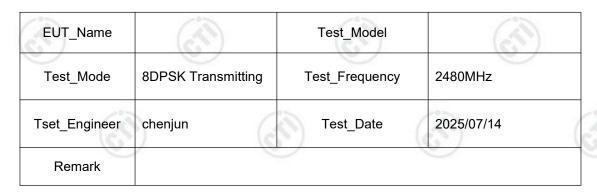


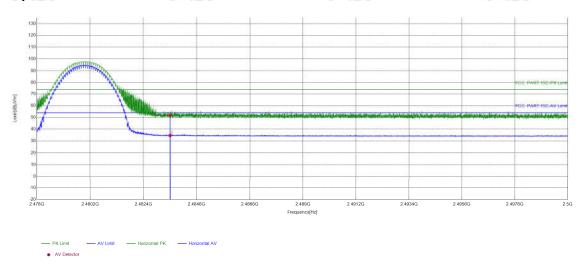


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	34.71	50.67	74.00	23.33	PASS	Vertical	PK
2	2390	15.96	18.35	34.31	54.00	19.69	PASS	Vertical	AV

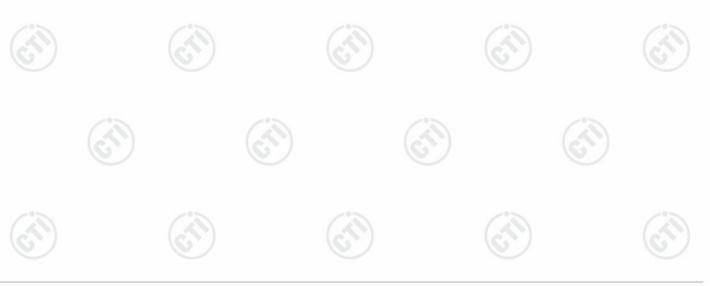




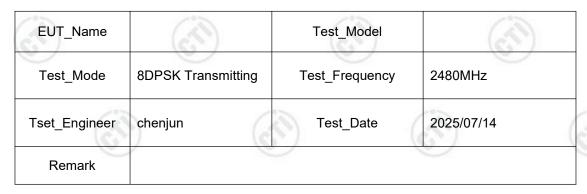


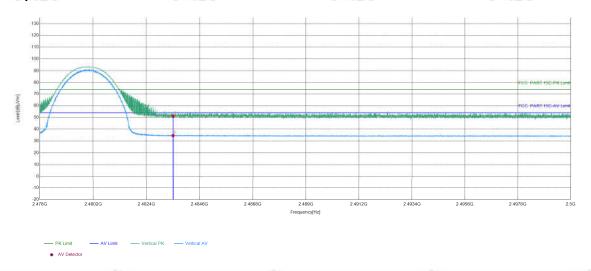


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	35.47	51.76	74.00	22.24	PASS	Horizontal	PK
2	2483.5	16.29	18.38	34.67	54.00	19.33	PASS	Horizontal	AV









١	Suspecte	d List								
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	2483.5	16.29	34.86	51.15	74.00	22.85	PASS	Vertical	PK
	2	2483.5	16.29	18.33	34.62	54.00	19.38	PASS	Vertical	AV

#### 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

















# 5 Appendix A





























































































# **PHOTOGRAPHS OF EUT Constructional Details**



Refer to Report No.EED32R80995701 for EUT external and internal photos.









































































































#### Statement

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
- 5. Without written approval of CTI, this report can't be reproduced except in full;

