



**Product** Tablet PC

Trade mark N/A

MW-100 Model/Type reference

: N/A Serial Number

: EED32R80934502 **Report Number** 

FCC ID 2AUX7-MW100 Date of Issue Jul. 09, 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:

Centre Testing International Group Co., Ltd. Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

> TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Firever. Li even Jan. Compiled by: Reviewed by: Keven Tan Frazer Li Jul. 09, 2025 aron Ma Date: Aaron Ma

Check No.: 5436090625



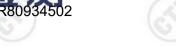
Report Seal



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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	9
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

Tablet PC					
MW-100	· .		0		
N/A	(27)	(6			
☐ Mobile	⊠ Portable	☐ Fixed Loc	ation		
2402MHz-2	2480MHz				
Frequency	Hopping Spread	d Spectrum(FH	SS)		
GFSK, π/4[	DQPSK, 8DPSK			(1)	
79	(	67)	6	5	
Adaptive Fr	equency Hoppir	ng systems			
FPC Anteni	na				
-0.01dBi			in a		(3)
Adapter:	Input: 100-2	240V, 50-60Hz	, 1.4A		
Battery:	DC 7.6V	-07			
DC 12V		(1)		4D)	
Jun. 23, 2025					
Jun. 23, 20	25 to Jun. 30, 20	025			
	MW-100 N/A  Mobile 2402MHz-2 Frequency GFSK, π/4I 79 Adaptive Fr FPC Anteni -0.01dBi  Adapter:  Battery: DC 12V Jun. 23, 20	MW-100  N/A  Mobile Portable  2402MHz-2480MHz  Frequency Hopping Spread  GFSK, π/4DQPSK, 8DPSK  79  Adaptive Frequency Hoppin  FPC Antenna  -0.01dBi  Model: MX  Input: 100-2  Ouptut: 120  Battery: DC 7.6V  DC 12V  Jun. 23, 2025	MW-100  N/A  □ Mobile □ Portable □ Fixed Loc  2402MHz-2480MHz  Frequency Hopping Spread Spectrum(FHS)  GFSK, π/4DQPSK, 8DPSK  79  Adaptive Frequency Hopping systems  FPC Antenna  -0.01dBi  Model: MX36C1-1203000  Input: 100-240V, 50-60Hz  Ouptut: 12V, 3A  Battery: DC 7.6V  DC 12V	MW-100  N/A  □ Mobile □ Portable □ Fixed Location  2402MHz-2480MHz  Frequency Hopping Spread Spectrum(FHSS)  GFSK, π/4DQPSK, 8DPSK  79  Adaptive Frequency Hopping systems  FPC Antenna  -0.01dBi  Model: MX36C1-1203000  Input: 100-240V, 50-60Hz, 1.4A  Ouptut: 12V, 3A  Battery: DC 7.6V  DC 12V  Jun. 23, 2025	MW-100  N/A  ☐ Mobile ☐ Portable ☐ Fixed Location  2402MHz-2480MHz  Frequency Hopping Spread Spectrum(FHSS)  GFSK, π/4DQPSK, 8DPSK  79  Adaptive Frequency Hopping systems  FPC Antenna  -0.01dBi  Model: MX36C1-1203000  Adapter: Input: 100-240V, 50-60Hz, 1.4A  Ouptut: 12V, 3A  Battery: DC 7.6V  DC 12V  Jun. 23, 2025





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















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







<b>Operating Environment</b>	:		
Radiated Spurious Emi	ssions:		
Temperature:	22~25.0 °C		
Humidity:	50~55 % RH		
Atmospheric Pressure:	1010mbar	(3)	/30
Conducted Emissions:			
Temperature:	22~25.0 °C		
Humidity:	50~55 % RH		
Atmospheric Pressure:	1010mbar		
RF Conducted:			
Temperature:	22~25.0 °C		
Humidity:	50~55 % RH		
Atmospheric Pressure:	1010mbar		

#### 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

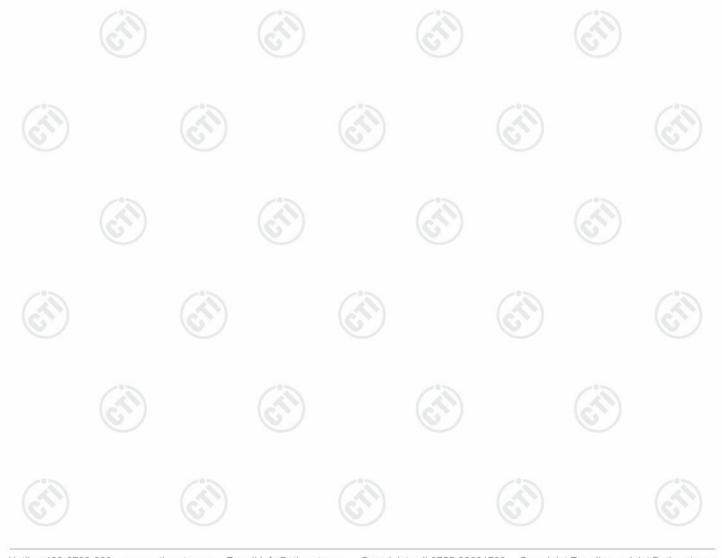
No tests were sub-contracted. FCC Designation No.: CN1164





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

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



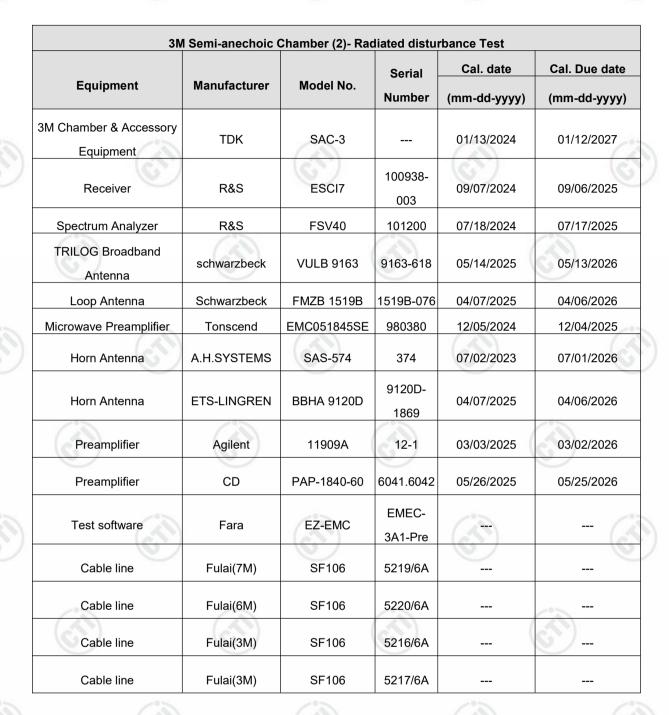




RF test system							
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)		
Communication test set	R&S	CMW500	107929	06-16-2025	06-15-2026		
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-02-2024	09-01-2025		
Spectrum Analyzer	R&S	FSV40	101200	07-18-2024	07-17-2025		
RF control unit(power unit)	MWRF-test	MW100-RFCB	MW220620CTI-42	06-16-2025	06-15-2026		
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-30-2024	11-29-2025		
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-26-2025	05-25-2026		
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	V2.0.0.0	<u> </u>	-		
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	1	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		<u></u>			
Capacitive voltage probe	Schwarzbeck	CVP 9222C	00124	06-18-2024 06-07-2025	06-17-2025 06-06-2026			
ISN	TESEQ	ISN T800	30297	12-05-2024	12-04-2025			































## 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

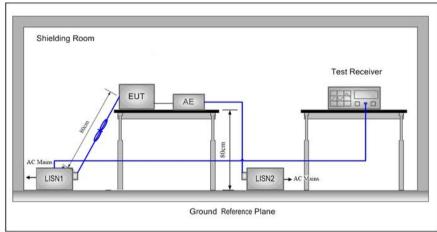
The antenna is FPC antenna. The best case gain of the antenna is -0.01dBi.







Test Requirement:	47 CFR Part 15C Section 15.20	07	(3)			
Test Method:	ANSI C63.10: 2013	NSI C63.10: 2013				
Test Frequency Range:	150kHz to 30MHz	50kHz to 30MHz				
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sw	RBW=9 kHz, VBW=30 kHz, Sweep time=auto				
Limit:	[ (MILE)	Limit (dE	Limit (dBuV)			
	Frequency range (MHz)	Quasi-peak	Average	4/1		
	0.15-0.5	66 to 56*	56 to 46*	9		
	0.5-5	56	46			
	5-30 60					
	* Decreases with the logarithm	of the frequency.	(20)			
Test Setup:						



Test Procedure:

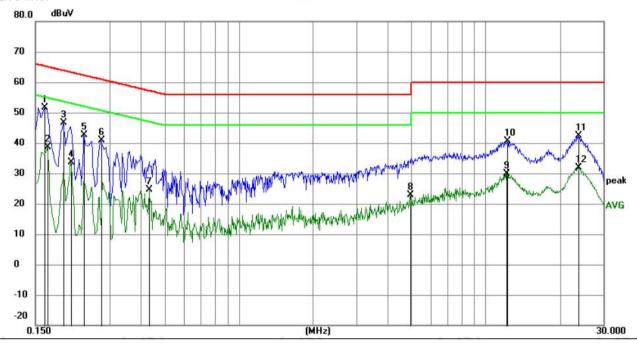
- 1) The mains terminal disturbance voltage test was conducted in a shielded
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a  $50\Omega/50\mu\text{H} + 5\Omega$  linear impedance. The power cables of all other units of the EUT were 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**

#### Live line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1635	41.41	10.26	51.67	65.28	-13.61	QP	
2		0.1680	28.25	10.26	38.51	55.06	-16.55	AVG	
3		0.1949	36.46	10.22	46.68	63.83	-17.15	QP	
4		0.2085	23.32	10.20	33.52	53.26	-19.74	AVG	
5		0.2355	32.52	10.18	42.70	62.25	-19.55	QP	
6		0.2760	30.71	10.15	40.86	60.94	-20.08	QP	
7		0.4335	14.61	10.09	24.70	47.19	-22.49	AVG	
8		4.9335	12.71	10.06	22.77	46.00	-23.23	AVG	
9		12.1650	19.91	9.91	29.82	50.00	-20.18	AVG	
10		12.2504	30.77	9.91	40.68	60.00	-19.32	QP	- 3
11		23.7300	32.54	9.81	42.35	60.00	-17.65	QP	
12		23.7300	21.99	9.81	31.80	50.00	-18.20	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.





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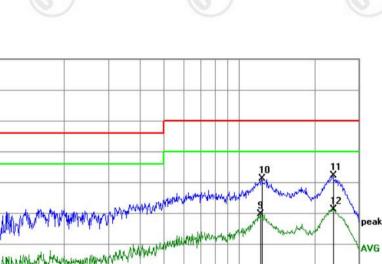
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1680	39.93	10.26	50.19	65.06	-14.87	QP	
2		0.1680	26.43	10.26	36.69	55.06	-18.37	AVG	
3		0.1949	35.09	10.22	45.31	63.83	-18.52	QP	
4		0.2040	34.57	10.21	44.78	63.45	-18.67	QP	
5		0.2085	19.84	10.20	30.04	53.26	-23.22	AVG	
6		0.2535	30.63	10.17	40.80	61.64	-20.84	QP	
7		0.2805	19.19	10.15	29.34	50.80	-21.46	AVG	
8		0.4335	14.59	10.09	24.68	47.19	-22.51	AVG	
9		12.1694	19.67	9.91	29.58	50.00	-20.42	AVG	
10		12.2910	31.18	9.91	41.09	60.00	-18.91	QP	
11		23.6445	32.23	9.81	42.04	60.00	-17.96	QP	
12		23.6445	21.32	9.81	31.13	50.00	-18.87	AVG	

(MHz)

### 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.





















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Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)		
Test Method:	ANSI C63.10:2013		
Test Setup:	Control Control Power Supply  Power Supply  Table  RF test System  Instrument  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: Test Procedure:	RF test System Instrument  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		

















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 = 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;     </li> <li>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.</li> <li>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.
	Refer to Appendix A







4.6	Number	of Hopping	Channel
-----	--------	------------	---------

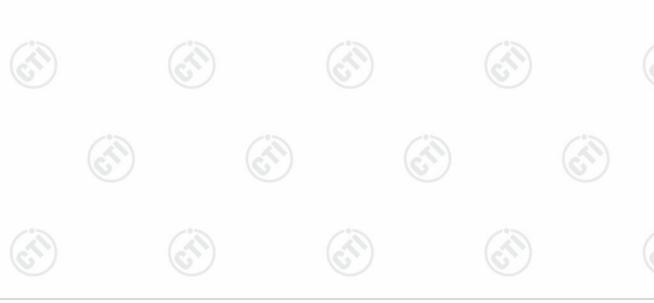
	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
	Test Method:	ANSI C63.10:2013
270072	Test Setup:	Control Computer Supply  Power Supply  Table  RF test System System Instrument
		Remark: Offset=Cable loss+ attenuation factor.
: " " "	Test Procedure:	<ol> <li>The RF output of EUT was connected 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</li> </ol>
		or the 20 dB bandwidth, whichever is smaller; VBW≥RBW; Sweep= auto; Detector function = peak; Trace = max hold.  5. The number of hopping frequency used is defined as the number of total channel.
1		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:	RF test System Fromer Supply  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 = 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 Attenuator Table  RF test System System Instrument
	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
Test Setup:	Control Control Control Power Power Power Power Table  RF test System 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>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.
	275-







### 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.

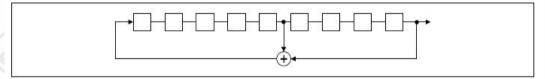
The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of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

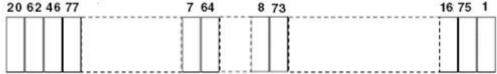
outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- 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: 20 62 46 77 7 64 8 73



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)

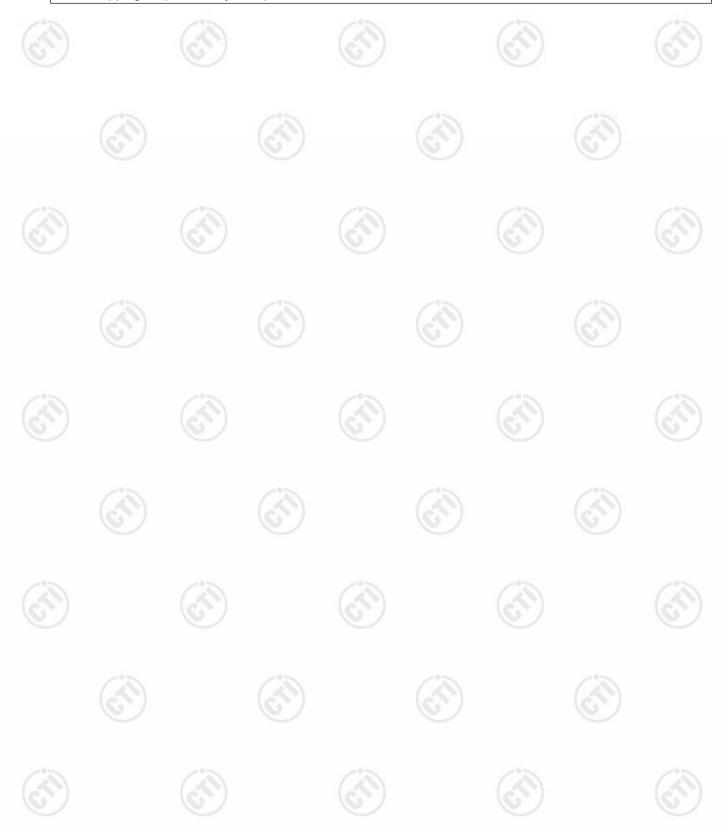
According to Bluetooth Core Specification, the Bluetooth system transmits the packet with the pseudorandom hopping frequency with a continuous data and the short burst transmission from the Bluetooth system is also transmitted under the frequency hopping system with the pseudorandom hopping frequency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



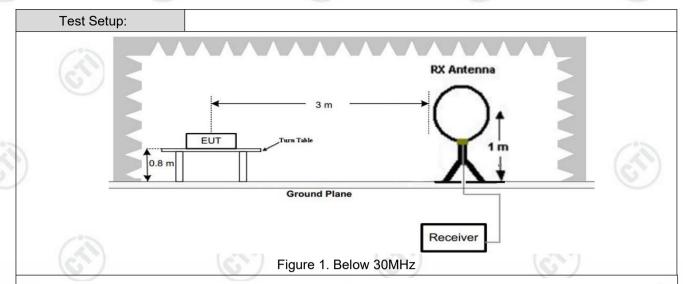


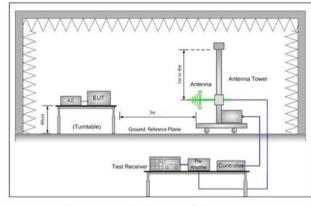


Test Requirement:	47 CFR Part 15C Section	on 15.209 and 15	.205	13			
Test Method:	ANSI C63.10: 2013	(32)		(6)	)		
Test Site:	Measurement Distance	: 3m (Semi-Anecl	hoic Cham	ber)			
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark		
	0.009MHz-0.090MH	z Peak	10kHz	30kHz	Peak		
	0.009MHz-0.090MH	z Average	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	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	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)		
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300		
	0.490MHz-1.705MHz	24000/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	Above 1GHz 500		Average	3		
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.						









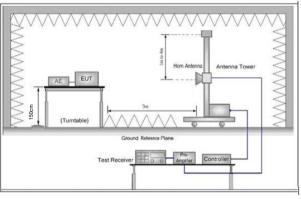


Figure 2. 30MHz to 1GHz

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.

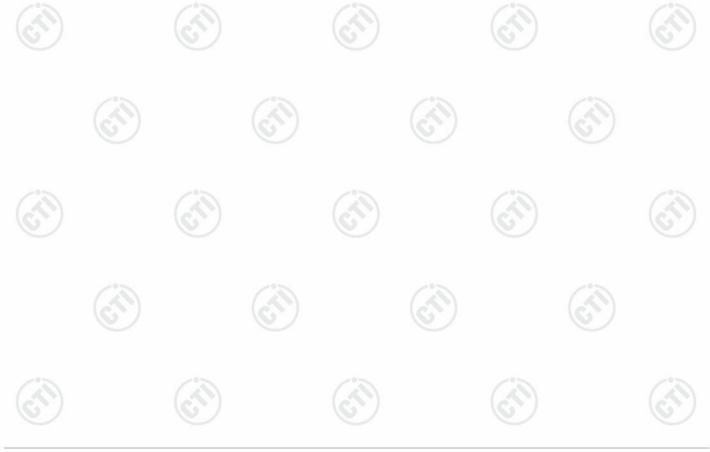
Note: For the radiated emission test above 1GHz:

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 Bandwidth with Maximum Hold Mode.</li> <li>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.</li> <li>g. Test the EUT in the lowest channel (2402MHz),the middle channel (2441MHz),the Highest channel (2480MHz)</li> <li>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.</li> <li>i. Repeat above procedures until all frequencies measured was complete.</li> </ul>
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 prescan, the worst case is the lowest channel.
	Only the worst case is recorded in the report.
Test Results:	Pass

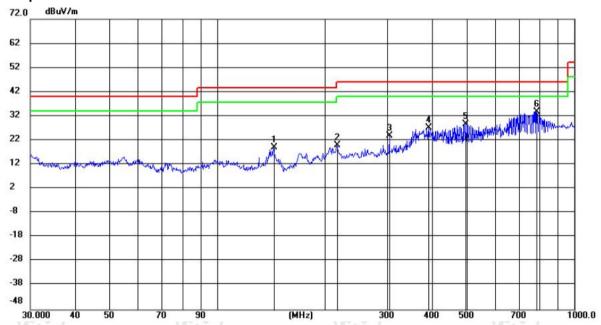




### Radiated Spurious Emission below 1GHz:

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:

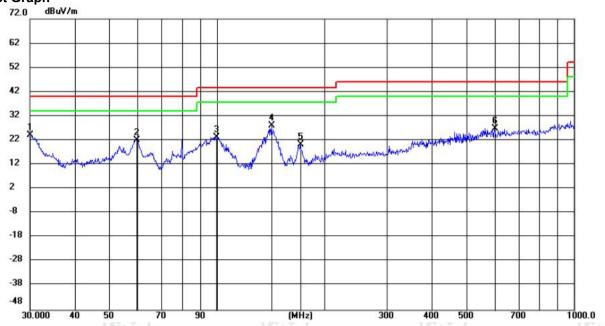


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		143.9808	8.53	10.41	18.94	43.50	-24.56	QP	199	111	
2		216.0997	6.63	13.39	20.02	46.00	-25.98	QP	100	250	
3		304.2363	7.14	16.70	23.84	46.00	-22.16	QP	100	106	
4		391.1338	7.86	19.32	27.18	46.00	-18.82	QP	100	199	
5		497.6764	7.99	20.78	28.77	46.00	-17.23	QP	199	215	
6	*	784.4055	8.98	24.83	33.81	46.00	-12.19	QP	199	7	









No. N	νk.	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		30.0790	11.76	12.35	24.11	40.00	-15.89	QP	100	197	
2		59.6075	8.60	13.38	21.98	40.00	-18.02	QP	100	123	
3		99.8602	10.21	13.19	23.40	43.50	-20.10	QP	100	60	
4 *	* .	142.5491	17.69	10.43	28.12	43.50	-15.38	QP	100	102	
5	8	171.5128	8.88	11.38	20.26	43.50	-23.24	QP	100	123	
6	(	600.0573	3.56	23.35	26.91	46.00	-19.09	QP	100	123	

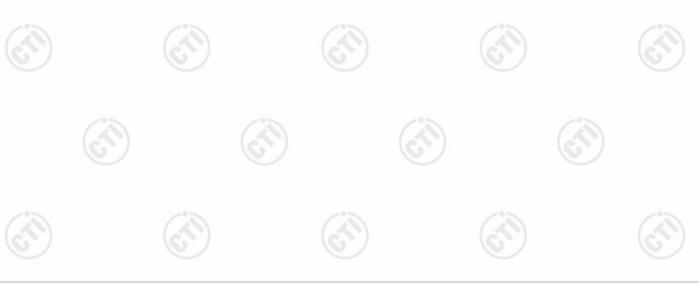


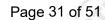


# Radiated Spurious Emission above 1GHz:

Mode	:	(	GFSK Transmit	ting		Channel:		2402 MHz	2
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1165.4777	11.46	36.73	48.19	74.00	25.81	Pass	Н	PK
2	1752.1835	14.10	37.36	51.46	74.00	22.54	Pass	Н	PK
3	3730.6487	-12.83	53.57	40.74	74.00	33.26	Pass	Н	PK
4	5560.5207	-6.28	47.90	41.62	74.00	32.38	Pass	Н	PK
5	7726.4651	-1.55	46.73	45.18	74.00	28.82	Pass	Н	PK
6	11631.2754	2.50	44.20	46.70	74.00	27.30	Pass	Н	PK
7	1084.4056	11.28	37.89	49.17	74.00	24.83	Pass	V	PK
8	1644.0429	14.04	37.09	51.13	74.00	22.87	Pass	V	PK
9	3832.0555	-12.21	52.21	40.00	74.00	34.00	Pass	V	PK
10	5308.9539	-7.05	49.09	42.04	74.00	31.96	Pass	V	PK
11	7727.7652	-1.54	46.60	45.06	74.00	28.94	Pass	V	PK
12	12359.974	4.11	44.60	48.71	74.00	25.29	Pass	V	PK

Mode	:	G	SFSK Transmit	ting		Channel:		2441 MHz	<u>z</u>
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1162.2775	11.48	37.22	48.70	74.00	25.30	Pass	Н	PK
2	1671.9115	14.03	36.61	50.64	74.00	23.36	Pass	Н	PK
3	3517.4345	-13.86	53.37	39.51	74.00	34.49	Pass	Н	PK
4	4703.7636	-8.84	49.86	41.02	74.00	32.98	Pass	Н	PK
5	6714.3476	-3.33	46.41	43.08	74.00	30.92	Pass	Н	PK
6	10788.8193	1.99	44.30	46.29	74.00	27.71	Pass	Н	PK
7	1135.4757	11.43	37.56	48.99	74.00	25.01	Pass	V	PK
8	1621.3748	13.72	37.25	50.97	74.00	23.03	Pass	V	PK
9	3505.0837	-13.89	52.96	39.07	74.00	34.93	Pass	V	PK
10	5532.5688	-6.36	48.48	42.12	74.00	31.88	Pass	V	PK
11	8355.057	-1.07	46.11	45.04	74.00	28.96	Pass	V	PK
12	11236.6991	2.35	44.66	47.01	74.00	26.99	Pass	V	PK

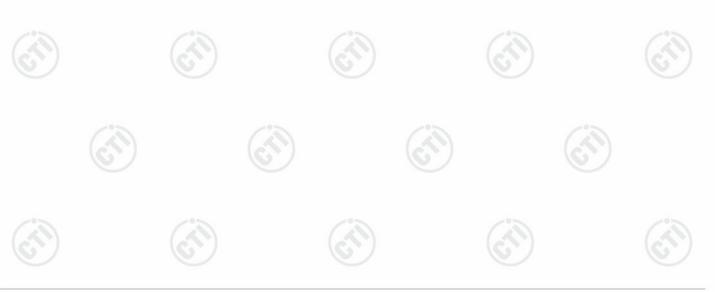


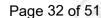




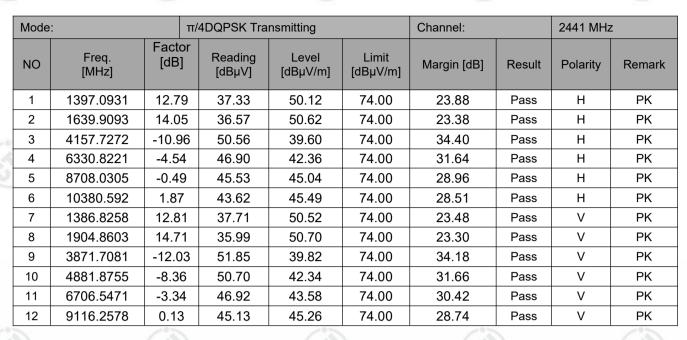
Mode	:		GFSK Transmi	tting		Channel:		2480 MHz	2
NO	Freq. [MHz]	Facto [dB]	Dandina	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1144.4096	11.46	37.07	48.53	74.00	25.47	Pass	Н	PK
2	1796.7198	14.19	36.75	50.94	74.00	23.06	Pass	Н	PK
3	3729.3486	-12.8	3 52.54	39.71	74.00	34.29	Pass	Н	PK
4	5437.6625	-6.50	47.74	41.24	74.00	32.76	Pass	Н	PK
5	7857.7739	-1.58	46.84	45.26	74.00	28.74	Pass	Н	PK
6	10580.8054	2.02	43.58	45.60	74.00	28.40	Pass	Н	PK
7	1190.6794	11.54	37.34	48.88	74.00	25.12	Pass	V	PK
8	1728.5819	14.18	36.17	50.35	74.00	23.65	Pass	V	PK
9	3720.8981	-12.8	1 53.26	40.45	74.00	33.55	Pass	V	PK
10	5343.4062	-6.96	48.28	41.32	74.00	32.68	Pass	V	PK
11	7931.2287	-1.38	45.41	44.03	74.00	29.97	Pass	V	PK
12	11216.5478	2.27	43.85	46.12	74.00	27.88	Pass	V	PK

Mode	:	π	/4DQPSK Tra	nsmitting		Channel:		2402 MHz	2	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	1445.4964	13.12	36.97	50.09	74.00	23.91	Pass	Н	PK	
2	1768.5846	14.37	36.60	50.97	74.00	23.03	Pass	Н	PK	
3	3865.8577	-12.05	54.16	42.11	74.00	31.89	Pass	Н	PK	
4	5698.9799	-6.09	48.65	42.56	74.00	31.44	Pass	Н	PK	
5	8164.5943	-1.26	46.09	44.83	74.00	29.17	Pass	Н	PK	
6	10773.8683	2.11	44.81	46.92	74.00	27.08	Pass	Н	PK	
7	1381.8921	12.77	38.19	50.96	74.00	23.04	Pass	V	PK	
8	1950.5967	14.82	36.02	50.84	74.00	23.16	Pass	V	PK	
9	3826.2051	-12.25	53.07	40.82	74.00	33.18	Pass	V	PK	
10	5426.6118	-6.57	50.06	43.49	74.00	30.51	Pass	V	PK	
11	7767.4178	-1.66	46.62	44.96	74.00	29.04	Pass	V	PK	
12	10723.8149	2.41	44.15	46.56	74.00	27.44	Pass	V	PK	

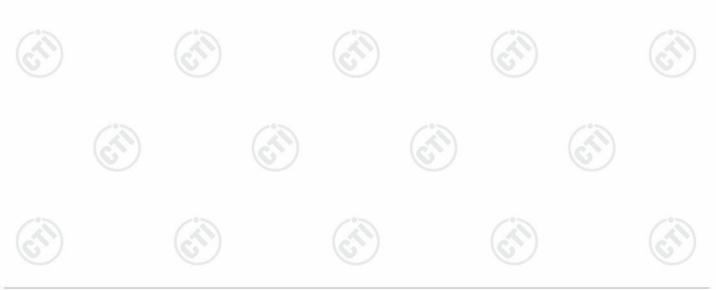


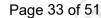




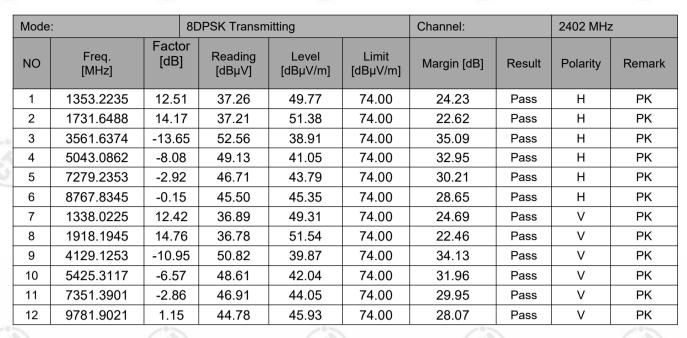


Mode	:		π/4DQPSK Tra	nsmitting		Channel:		2480 MHz	Z
NO	Freq. [MHz]	Factor [dB]	r Reading [dΒμV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1379.892	12.74	36.92	49.66	74.00	24.34	Pass	Н	PK
2	1850.9901	14.46	37.13	51.59	74.00	22.41	Pass	Н	PK
3	3453.0802	-13.87	7 53.48	39.61	74.00	34.39	Pass	Н	PK
4	4724.565	-8.75	50.26	41.51	74.00	32.49	Pass	Н	PK
5	6021.4014	-5.23	47.62	42.39	74.00	31.61	Pass	Н	PK
6	7697.2131	-1.72	45.64	43.92	74.00	30.08	Pass	Н	PK
7	1386.1591	12.81	36.86	49.67	74.00	24.33	Pass	V	PK
8	1958.5972	14.64	36.90	51.54	74.00	22.46	Pass	V	PK
9	4107.0238	-10.94	50.44	39.50	74.00	34.50	Pass	V	PK
10	6300.9201	-4.83	47.80	42.97	74.00	31.03	Pass	V	PK
11	8216.5978	-1.25	45.78	44.53	74.00	29.47	Pass	V	PK
12	10329.8887	1.86	44.08	45.94	74.00	28.06	Pass	V	PK

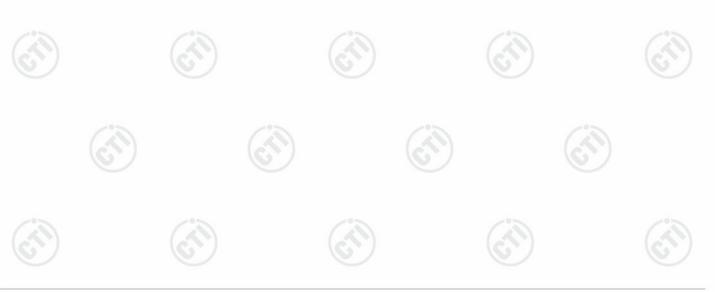








Mode	:		8DPSK Transm	itting		Channel:		2441 MHz	
NO	Freq. [MHz]	Facto [dB]	or December of	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1433.0955	12.9	9 37.38	50.37	74.00	23.63	Pass	Н	PK
2	1831.3888	14.3	5 36.83	51.18	74.00	22.82	Pass	Н	PK
3	3835.9557	-12.1	8 52.19	40.01	74.00	33.99	Pass	Н	PK
4	5056.7371	-7.92	2 49.05	41.13	74.00	32.87	Pass	Н	PK
5	6696.7965	-3.38	3 46.55	43.17	74.00	30.83	Pass	Н	PK
6	9090.9061	0.16	44.83	44.99	74.00	29.01	Pass	Н	PK
7	1306.4204	12.1	4 37.11	49.25	74.00	24.75	Pass	V	PK
8	1696.3131	14.0	6 37.12	51.18	74.00	22.82	Pass	V	PK
9	3532.3855	-13.8	2 53.47	39.65	74.00	34.35	Pass	V	PK
10	5072.9882	-7.92	2 49.33	41.41	74.00	32.59	Pass	V	PK
11	7084.8723	-3.24	4 47.39	44.15	74.00	29.85	Pass	V	PK
12	9718.8479	1.28	3 45.23	46.51	74.00	27.49	Pass	V	PK

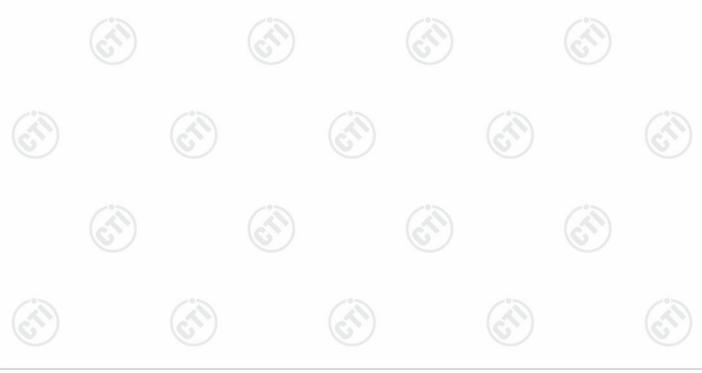




Mode	:		8DPSK Transm	itting		Channel:		2480 MHz	Z
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1570.038	13.47	36.70	50.17	74.00	23.83	Pass	Н	PK
2	1793.3862	14.19	37.23	51.42	74.00	22.58	Pass	Н	PK
3	4143.4262	-10.94	50.77	39.83	74.00	34.17	Pass	Н	PK
4	5975.2484	-5.44	47.40	41.96	74.00	32.04	Pass	Н	PK
5	8245.1997	-1.00	46.36	45.36	74.00	28.64	Pass	Н	PK
6	10231.0821	1.81	44.61	46.42	74.00	27.58	Pass	Н	PK
7	1296.6864	12.06	37.19	49.25	74.00	24.75	Pass	V	PK
8	2164.7443	15.29	37.39	52.68	74.00	21.32	Pass	V	PK
9	4141.4761	-10.95	5 50.65	39.70	74.00	34.30	Pass	V	PK
10	6748.1499	-3.33	46.32	42.99	74.00	31.01	Pass	V	PK
11	8321.9048	-1.05	45.77	44.72	74.00	29.28	Pass	V	PK
12	10238.8826	1.88	45.54	47.42	74.00	26.58	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.

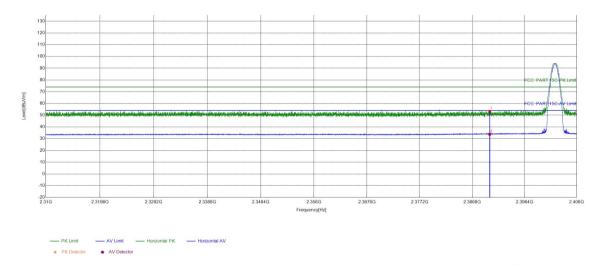






### Test plot as follows:

EUT_Name		Test_Model	
Test_Mode	GFSK Transmitting	Test_Frequency	2402MHz
Tset_Engineer	chenjun	Test_Date	2025/06/25
Remark	6	(1)	(ii)



	Suspected List										
1	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	2390	15.96	37.29	53.25	74.00	20.75	PASS	Horizontal	PK	
	2	2390	15.96	17.86	33.82	54.00	20.18	PASS	Horizontal	AV	



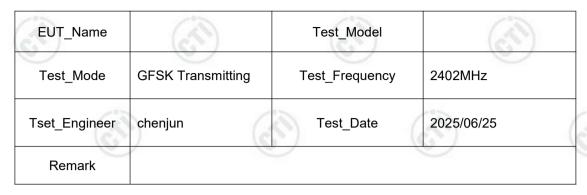


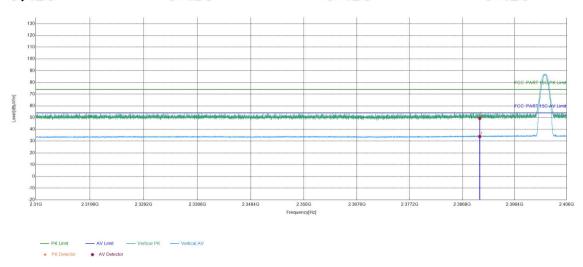




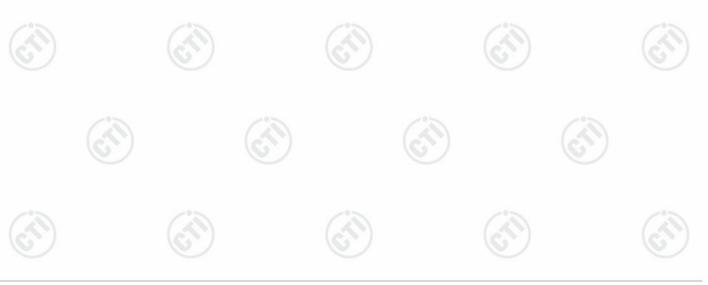




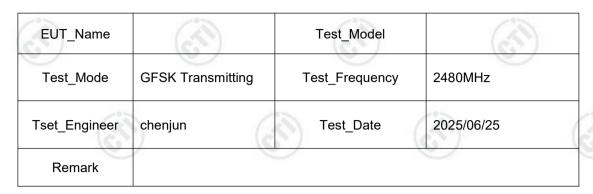


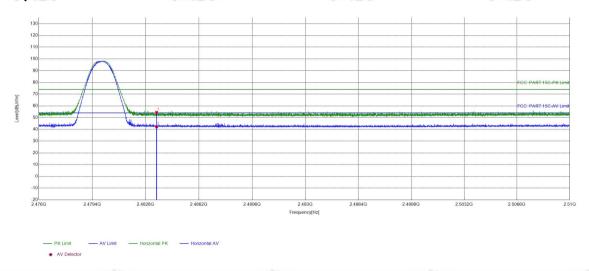


Suspecte	Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
1	2390	15.96	33.39	49.35	74.00	24.65	PASS	Vertical	PK	
2	2390	15.96	17.98	33.94	54.00	20.06	PASS	Vertical	AV	

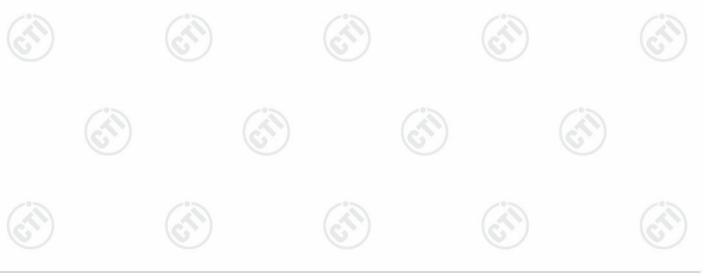




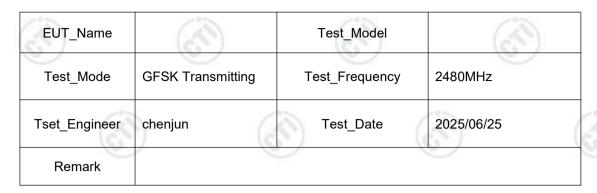


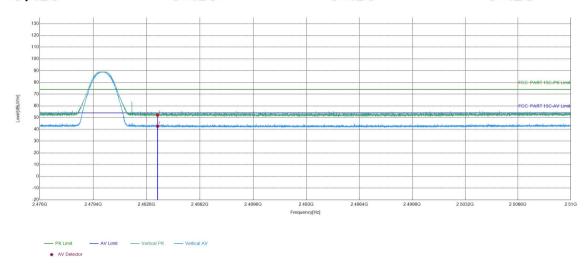


Suspect	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	38.17	54.46	74.00	19.54	PASS	Horizontal	PK
2	2483.5	16.29	25.87	42.16	54.00	11.84	PASS	Horizontal	AV

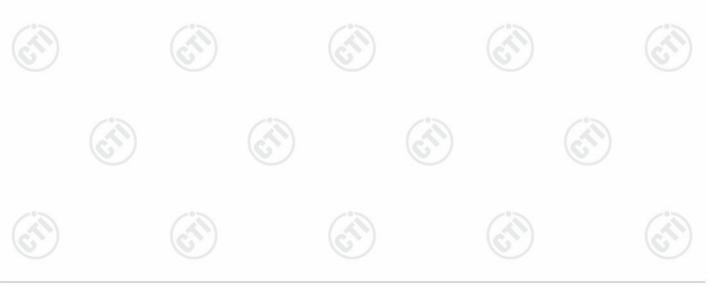




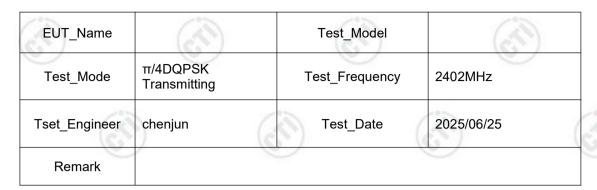


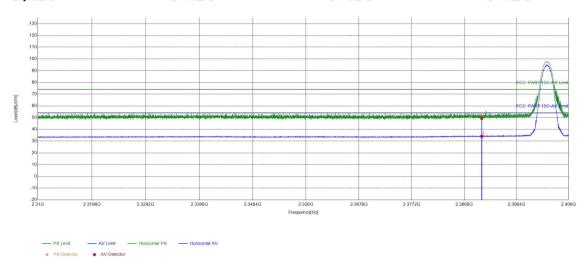


Suspec	ted List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	35.84	52.13	74.00	21.87	PASS	Vertical	PK
2	2483.5	16.29	26.41	42.70	54.00	11.30	PASS	Vertical	AV

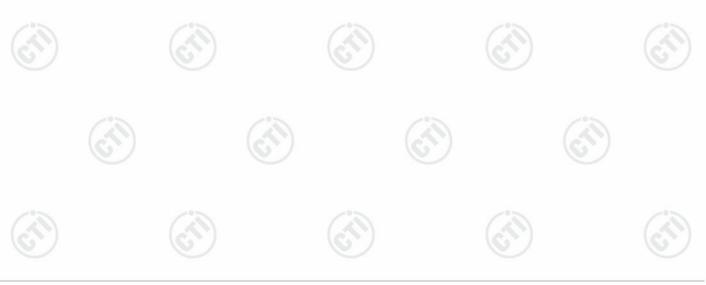




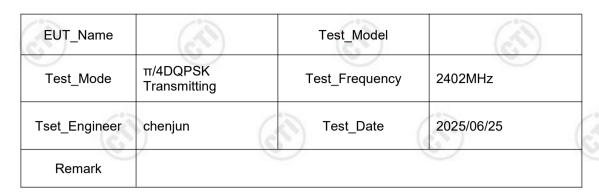


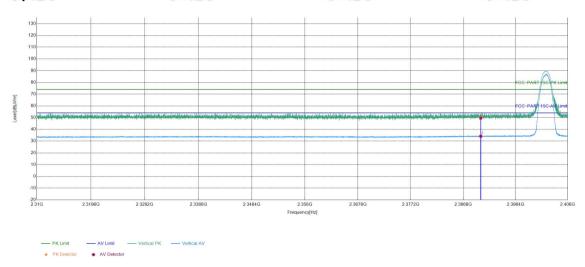


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	33.38	49.34	74.00	24.66	PASS	Horizontal	PK
2	2390	15.96	18.10	34.06	54.00	19.94	PASS	Horizontal	AV

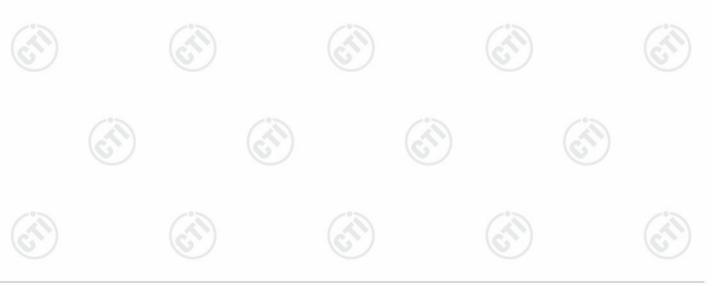




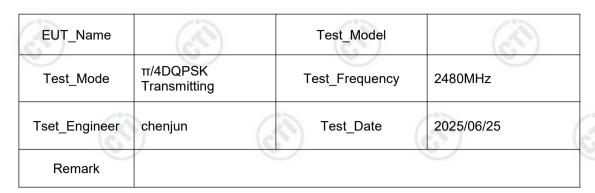


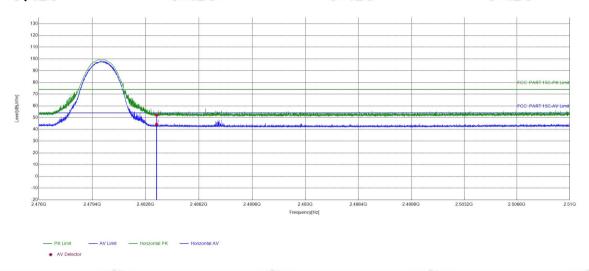


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	33.60	49.56	74.00	24.44	PASS	Vertical	PK
2	2390	15.96	18.19	34.15	54.00	19.85	PASS	Vertical	AV

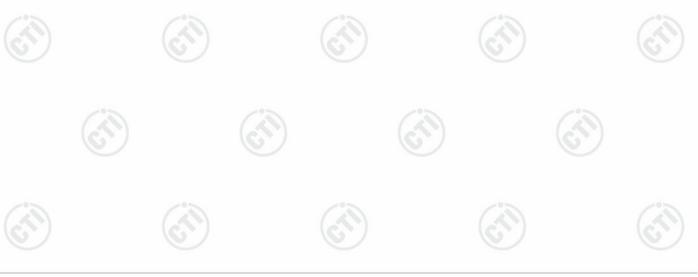




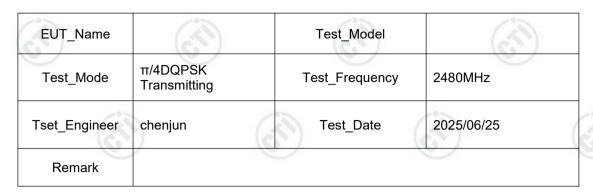


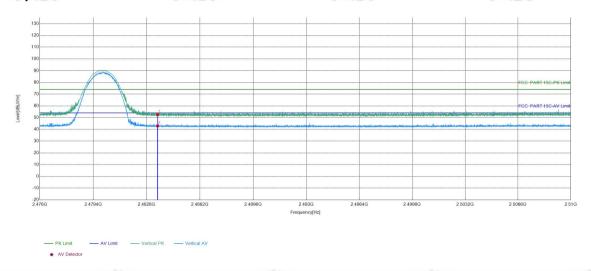


Suspecte	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	35.84	52.13	74.00	21.87	PASS	Horizontal	PK
2	2483.5	16.29	27.90	44.19	54.00	9.81	PASS	Horizontal	AV

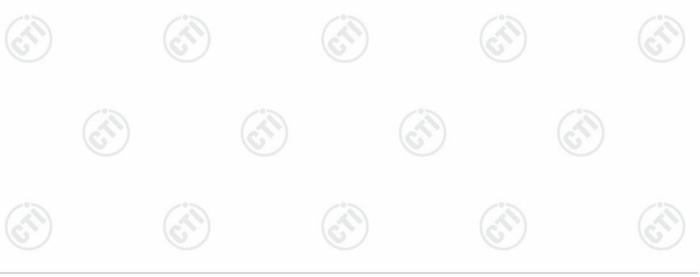




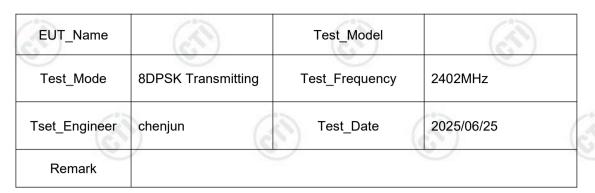


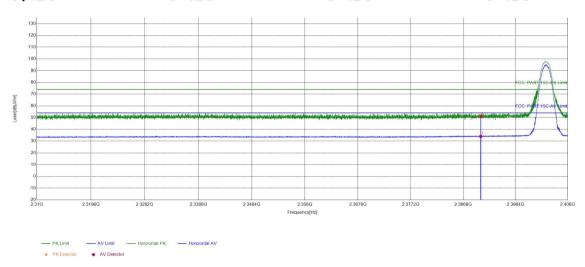


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	36.26	52.55	74.00	21.45	PASS	Vertical	PK
2	2483.5	16.29	26.67	42.96	54.00	11.04	PASS	Vertical	AV

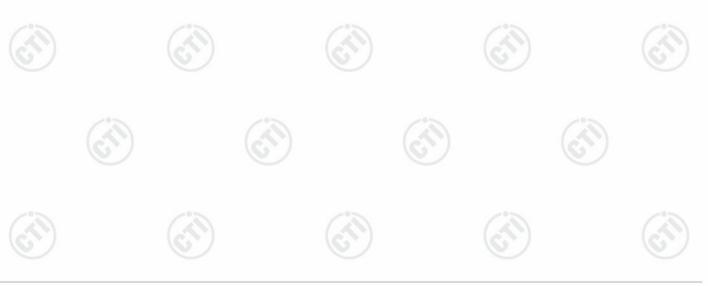




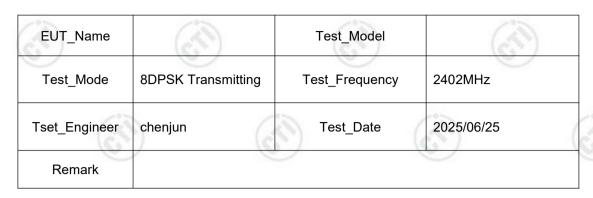


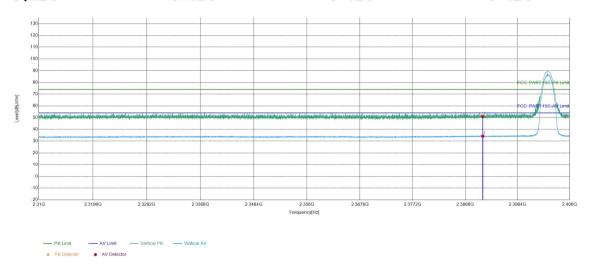


Suspecte	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	34.88	50.84	74.00	23.16	PASS	Horizontal	PK
2	2390	15.96	18.06	34.02	54.00	19.98	PASS	Horizontal	AV

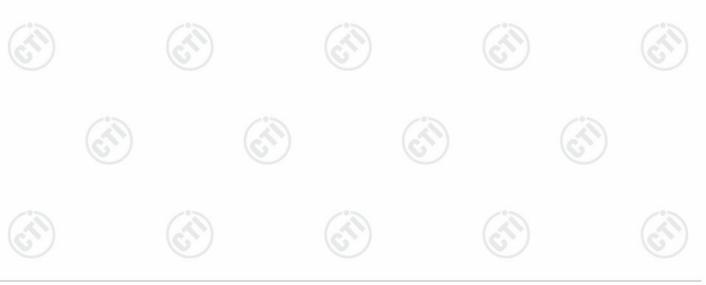




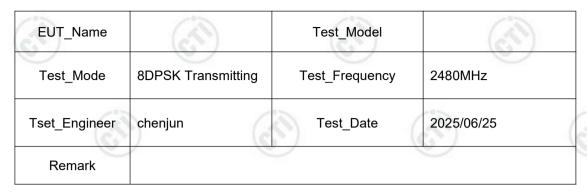


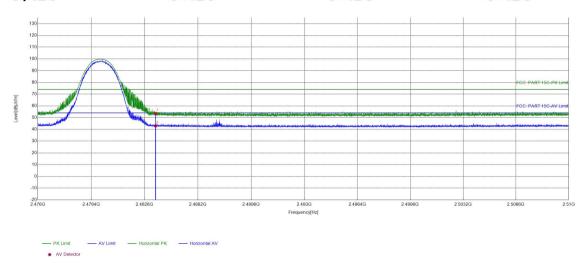


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	15.96	35.04	51.00	74.00	23.00	PASS	Vertical	PK
2	2390	15.96	18.21	34.17	54.00	19.83	PASS	Vertical	AV

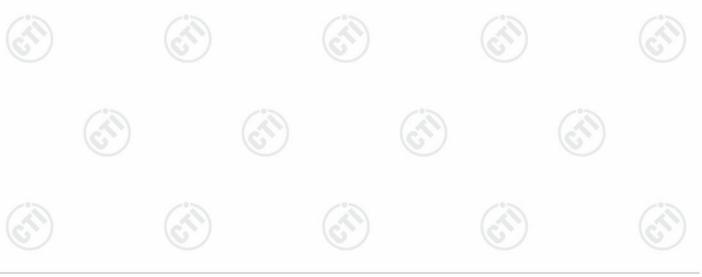




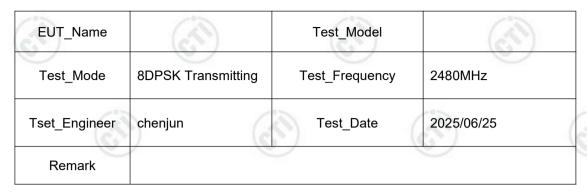


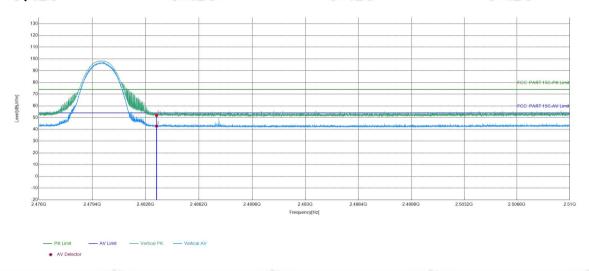


Suspecte	d List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5	16.29	37.41	53.70	74.00	20.30	PASS	Horizontal	PK
2	2483.5	16.29	26.65	42.94	54.00	11.06	PASS	Horizontal	AV









9	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	35.61	51.90	74.00	22.10	PASS	Vertical	PK
	2	2483.5	16.29	26.52	42.81	54.00	11.19	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**

























































































- 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;
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