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TEST REPORT

For RF

Report No..... : CHTW26075022

Project No : SHT2606068402W

FCC ID : 2BCYW11

Applicant's name : Shenzhen H&T Intelligent Control Co.,Ltd

Address..... : H&T Industrial Park, No 18 BaoShan Road, Tianliao Community,
Guangming New District, Shenzhen, Guangdong, China

Product Name..... : Remote control

Trade Mark..... : -

Model No..... : THT3321

Listed Model(s) : THT3322

Standard : **FCC CFR Title 47 Part 15 Subpart C § 15.231**

Date of receipt of test sample..... : 2026/6/30

Date of testing..... : 2026/6/30- 2026/7/20

Date of issue..... : 2026/7/22

Result..... : **Pass**



Compiled by
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Testing Laboratory Name : **Shenzhen Huatongwei International Inspection Co., Ltd.**

Address..... : Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China

Test Report Form No. : R0054

Test Report Form(s) Originator : Shenzhen Huatongwei International Inspection Co., Ltd.

Master TRF : Dated 2025-04

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- [FCC CFR Title 47 Part 15 Subpart C § 15.231](#): Periodic operation in the band 40.66-40.70 MHz and above 70 MHz
- [ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to c63.10a-2024](#) American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices Amendment 1

1.2. Report version

Revision No.	Date of issue	Description
N/A	2026-07-22	Original

2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result	Test Engineer
5.1	Antenna Requirement	15.203	PASS	Kiki kong
5.2	AC Conducted Emission	15.207	N/A	N/A
5.3	20dB Bandwidth	15.231(c)	PASS	Kiki kong
5.4	99% Occupied Bandwidth	-	PASS ^{*1}	Kiki kong
5.5	Transmission time	15.231(a)(1)	PASS	Kiki kong
5.6	Duty cycle corrected factor	-	PASS ^{*1}	Kiki kong
5.7	Field strength of the Fundamental signal	15.231(b)	PASS	Junxu Lin
5.8	Radiated Spurious Emission	15.231(b)/15.205/15.209	PASS	Junxu Lin ZIWEN.WANG

Note:

- The measurement uncertainty is not included in the test result.
- ^{*1}: No requirement on standard, only report these test data.
- N/A: This product is battery-powered

3. SUMMARY

3.1. Client Information

Applicant:	Shenzhen H&T Intelligent Control Co.,Ltd
Address:	H&T Industrial Park, No 18 BaoShan Road, Tianliao Community, Guangming New District, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen H&T Intelligent Control Company, Ltd.
Address:	H&T Industrial Park, No.18 BaoShan Road, Tianliao Community, Guangming new district, Shenzhen, Guangdong, 518132
Factor:	H&T Intelligent Control (Vietnam) Co, Ltd
Address:	Steel structure workshop No. 35, Plot CN8 and C-24 belong to land lot CN10, An Duong Industrial Park, Hong Phong Commune, An Duong District, Hai Phong City

3.2. Product Description

Main unit information:	
Product Name:	Remote control
Trade Mark:	-
Model No.:	THT3321
Listed Model(s):	THT3322
Power supply:	DC 12.0V
Hardware version:	V01
Software version:	V01

NOTE: Select the THT3321 for the testing model, and the only difference between the THT3321 and the THT3322 is the appearance, with consistent internal boards

3.3. Radio Specification Description

Operation frequency:	303.875MHz
Modulation:	OOK
Channel number:	1
Antenna type:	PCB Antenna

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China	
Contact information:	Phone: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC Registration Number	762235
	FCC Designation Number	CN1181

4. TEST CONFIGURATION

4.1. Test frequency list

According to section ANSI C63.10 section 5.6.1,

Measurements of unlicensed wireless devices shall be performed and, if required, reported for each band in which the EUT can be operated with the device operating at the number of frequencies in each band specified in Table 4

Table 4—Number of frequencies to be tested

Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
1 MHz or less	1	Middle
1 MHz to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

So test frequency as follow:

Channel	Frequency (MHz)
CH_M	303.875

4.2. Descriptions of Test mode

For RF test items
The engineering test program was provided and enabled to make EUT continuous transmit.
For Radiated spurious emissions test item:
The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.

4.3. Test sample information

Test item	HTW sample no.
RF Conducted test items	Please refer to the description in the appendix report
RF Radiated test items	YPHT26060684001
EMI test items	-

Note:

RF Conducted test items: 20dB Bandwidth ,99% Occupied Bandwidth, Transmission time, Duty cycle corrected factor

RF Radiated test items: Field strength of the Fundamental signal

4.4. Test software name and power settings

Test software	power settings
EUT burning 303.875MHz for continuous modulation wave transmission mode	Default

4.5. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?			
✓ Yes			
Item	Equipment	Trade Name	Other
1	Battery		

4.6. Testing environmental condition

Type	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.7. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	AC Conducted Emission	3.21dB
2	20dB Bandwidth	0.002%
3	99% Occupied Bandwidth	0.002%
4	Transmission time	2.3ns
5	Duty cycle corrected factor	-
6	Field strength of the Fundamental signal	4.54dB for 30MHz-1GHz 5.10dB for above 1GHz
7	Radiated Spurious Emission	4.54dB for 30MHz-1GHz 5.10dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.8. Equipment Used during the Test

● EMC Test Software					
Used	Test Item	Software Name	Manufacturer	Equipment No.	Version
●	Radiated Emission	EMC32	R&S	HTWER012	V10.60.20
●	Radiated Emission	TS+	Tonscend	/	V5.0.0

● RF Conducted test item							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Signal and spectrum Analyzer	R&S	HTWE0242	FSV40	100048	2025/8/19	2026/8/18
●	Vector signal generator	R&S	HTWE0244	SMBV100A	260790	2026/3/13	2027/3/12
●	OSP	R&S	HTWE0243	OSP120	101317	2025/8/19	2026/8/18
●	10dB Attenuator	R&S	HTWE0250-01	10dB Attenuator-1	N/A	2025/8/22	2026/8/21
●	10dB Attenuator	R&S	HTWE0250-02	10dB Attenuator-2	N/A	2025/8/22	2026/8/21
●	10dB Attenuator	R&S	HTWE0250-03	10dB Attenuator-3	N/A	2025/8/22	2026/8/21
●	10dB Attenuator	R&S	HTWE0250-04	10dB Attenuator-4	N/A	2025/8/22	2026/8/21
●	30dB Attenuator	R&S	HTWE0250-05	30dB Attenuator-5	N/A	2025/8/22	2026/8/21

● Auxiliary Equipment							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Climate chamber	ESPEC	HTWS0715	GPL-2	N/A	2026/6/5	2027/6/4
●	Walk-in Constant Temperature And Humidity Cabinet	重庆银河	HTWS0383	SDJ610A	201800463	2026/6/5	2027/6/4
○	DC Power Supply	Gwinstek	HTWE0274	SPS-2415	GER835793	N/A	N/A
○	DC Power Supply	MESTEK	HTWE0705	DP6010	00230820197	N/A	N/A

● Radiated emission- 9kHz~30MHz							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2026/3/24	2029/3/23
●	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2025/8/6	2026/8/5
●	Loop Antenna	R&S	HTWE0546	HFH2-Z2E	101073	2024/4/8	2027/4/7

● Radiated emission- 30MHz~1GHz

Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2026/3/24	2029/3/23
●	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2025/8/6	2026/8/5
●	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0119	VULB9163	546	2025/12/16	2028/12/15
●	Pre-Amplifier	SCHWARZBECK	HTWE0295	BBV 9742	/	2026/5/12	2027/5/11
●	CMAD	SCHWARZBECK	HTWE0537	CMAD1614	1614-530	2025/8/4	2026/8/3

● Radiated emission- Above 1GHz

Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Full-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11122	2026/3/19	2029/3/18
●	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2025/8/6	2026/8/5
●	Horn Antenna	SCHWARZBECK	HTWE0126	BBHA 9120D	1011	2026/1/23	2029/1/22
●	Broadband Pre-amplifier	SCHWARZBECK	HTWE0551	SCU18F	100855	2026/5/12	2027/5/11

● Auxiliary Equipment

Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
○	DC Power Supply	Gwinstek	HTWE0274	SPS-2415	GER835793	N/A	N/A
○	DC Power Supply	MESTEK	HTWE0705	DP6010	00230820197	N/A	N/A

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

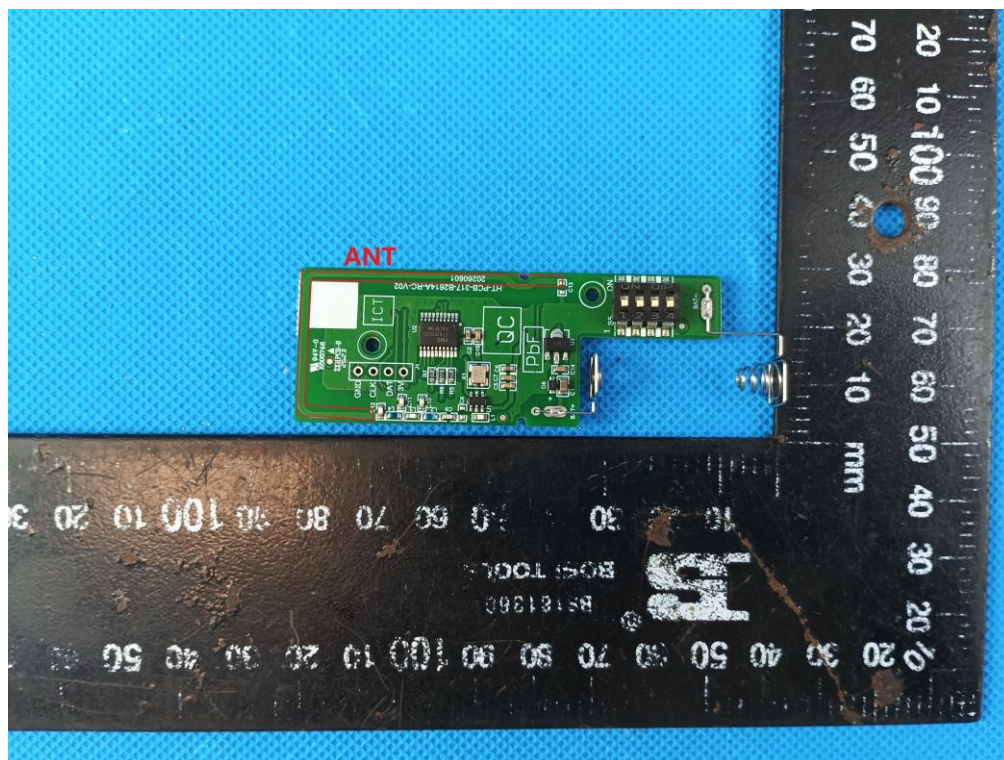
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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

TEST RESULT

☒ Passed ☐ Not Applicable

The antenna type is a PCB antenna, the directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.

|



5.2. AC Conducted Emission

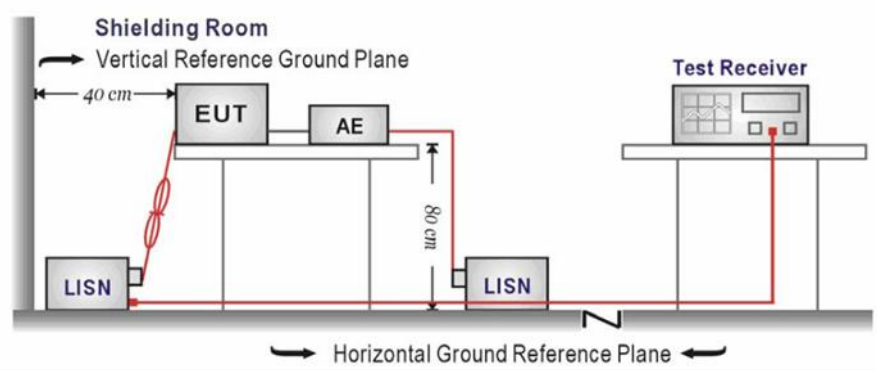
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was setup according to ANSI C63.10 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☐ Passed ☒ Not Applicable

NOTE: This product is battery-powered

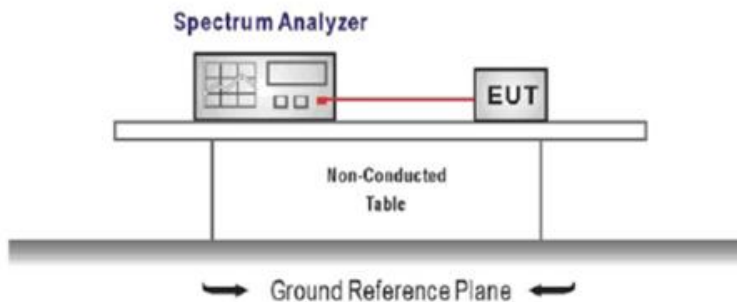
5.3. 20dB bandwidth

LIMIT

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900 MHz.

For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).
 Center Frequency = channel center frequency
 Span $\geq 1.5 \times \text{OBW}$
 RBW = 1%~5%OBW
 VBW $\geq 3 \times \text{RBW}$
 Sweep time= auto couple
 Detector = Peak
 Trace mode = max hold
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☒ Passed ☐ Not Applicable

TEST DATA:

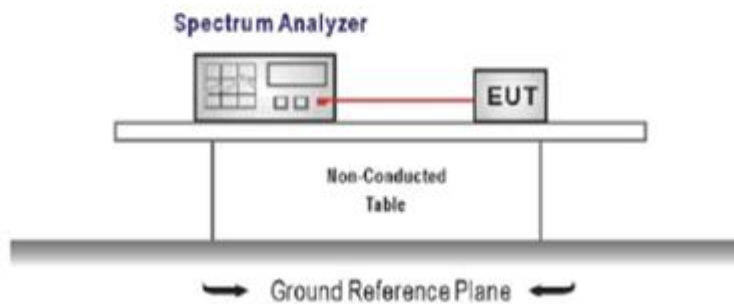
Refer to the appendix report on the section 8

5.4. 99% Occupied Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.
2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).
Center Frequency = channel center frequency
Span $\geq 1.5 \times \text{OBW}$
RBW = 1%~5%OBW
VBW $\geq 3 \times \text{RBW}$
Sweep time = auto couple
Detector = Peak
Trace mode = max hold
3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☒ Passed ☐ Not Applicable

TEST DATA

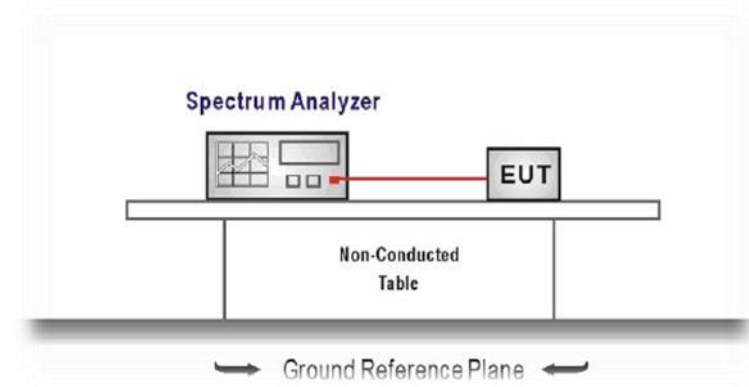
Refer to the appendix report on the section 8

5.5. Transmission Time

LIMIT

A manually operated transmitter shall employ a switch that will auto-matically deactivate the transmitter within not more than 5 seconds of being released.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an 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:
Frequency=Center carrier frequency
RBW=100kHz, VBW=300kHz, Span= zero,
Sweep time= 10second, Detector function = peak, Trace = single
4. Measure and record the results in the test report.

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

☒ Passed ☐ Not Applicable

TEST DATA

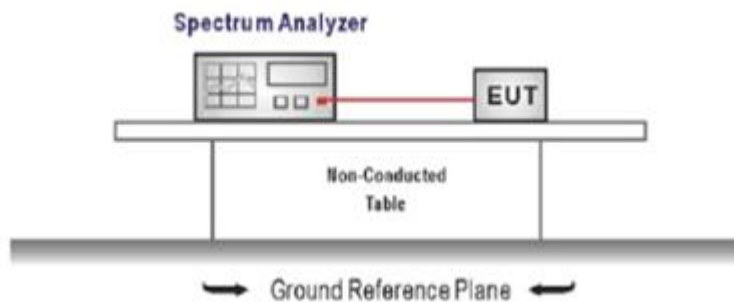
Refer to the appendix report on the section 8

5.6. Duty Cycle Corrected Factor

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer through an 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:
Span=zero span, Frequency=centered channel, RBW= 100KHz, VBW $\geq$ RBW
Sweep time=as necessary to capture the entire dwell time,
Detector function = peak, Trigger mode
4. Measure and record the duty cycle data

TEST MODE:

Please refer to the clause 4.2

TEST DATA

Refer to the appendix report on the section 8

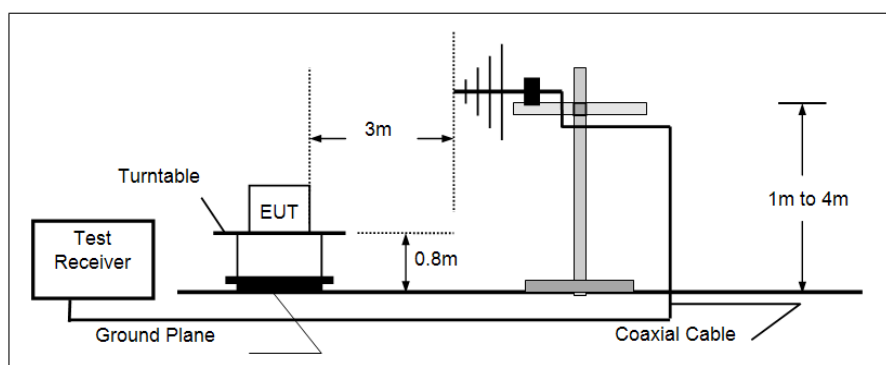
5.7. Radiated field strength of the fundamental signal

LIMIT

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66-40.70	2,250	225
70-130	1,250	125
130-174	¹ 1,250 to 3,750	¹ 125 to 375
174-260	3,750	375
260-470	¹ 3,750 to 12,500	¹ 375 to 1,250
Above 470	12,500	1,250

¹Linear interpolations.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1GHz, The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

TEST MODE:

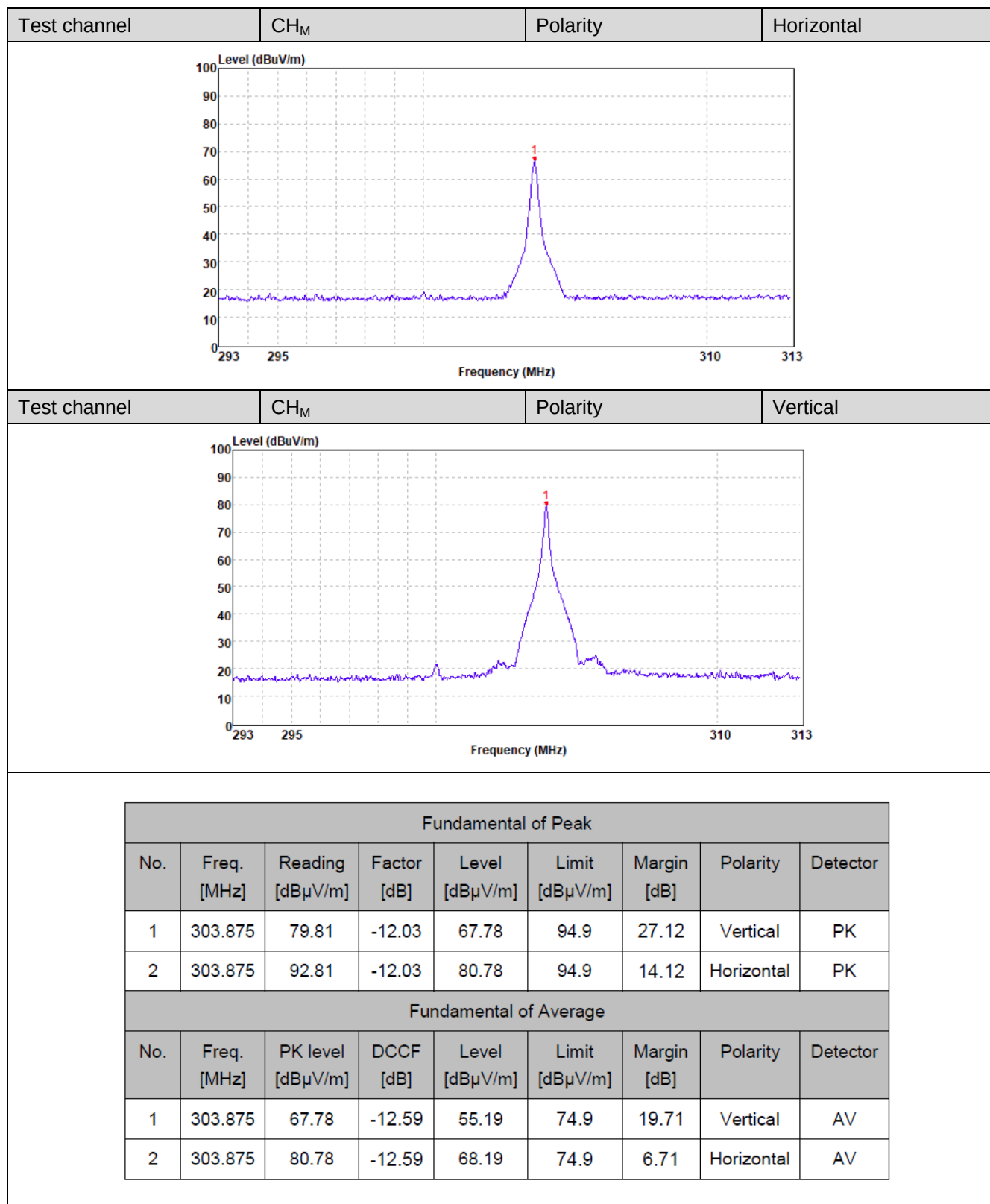
Please refer to the clause 4.2

TEST RESULTS

☒ Passed ☐ Not Applicable

Note:

- 1) Level= Reading + Factor; Factor =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit - Level



5.8. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.231(b)

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66-40.70	2,250	225
70-130	1,250	125
130-174	¹ 1,250 to 3,750	¹ 125 to 375
174-260	3,750	375
260-470	¹ 3,750 to 12,500	¹ 375 to 1,250
Above 470	12,500	1,250

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

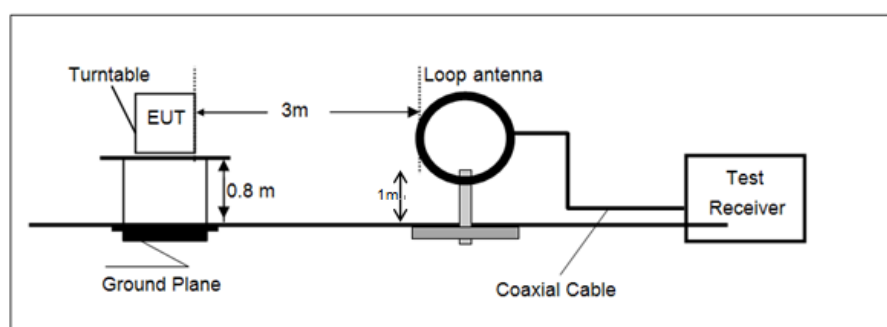
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)= Limit dBuV/m @30m + 40.

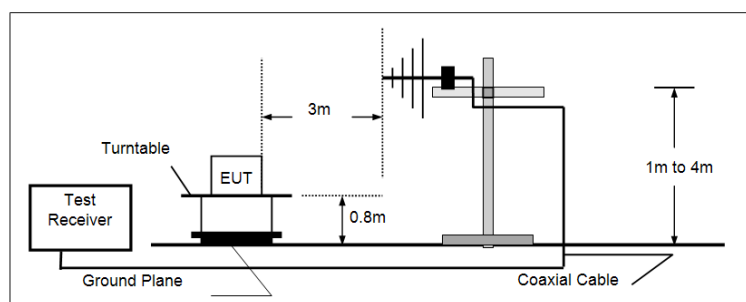
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

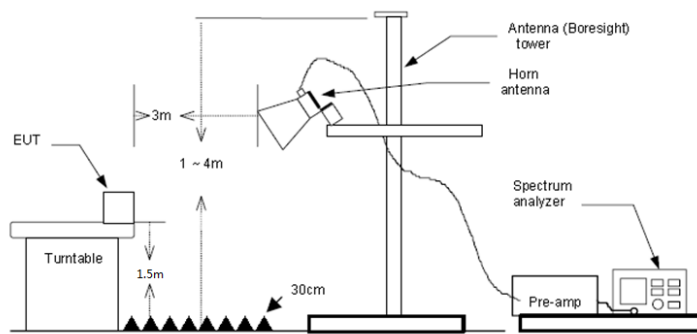
- 9 kHz ~ 30 MHz



- 30 MHz ~ 1 GHz



- Above 1 GHz



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

Average level = Peak level – DCCF

TEST MODE:

Please refer to the clause 4.2

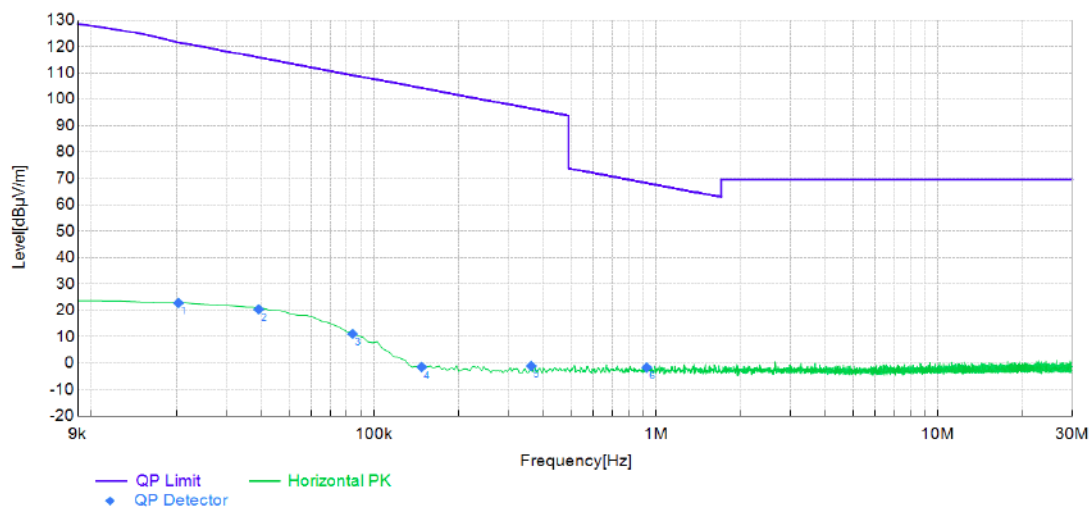
TEST RESULT

☒ Passed ☐ Not Applicable

FOR 9 kHz ~ 30 MHz

Polarization:

X

**Final Data List**

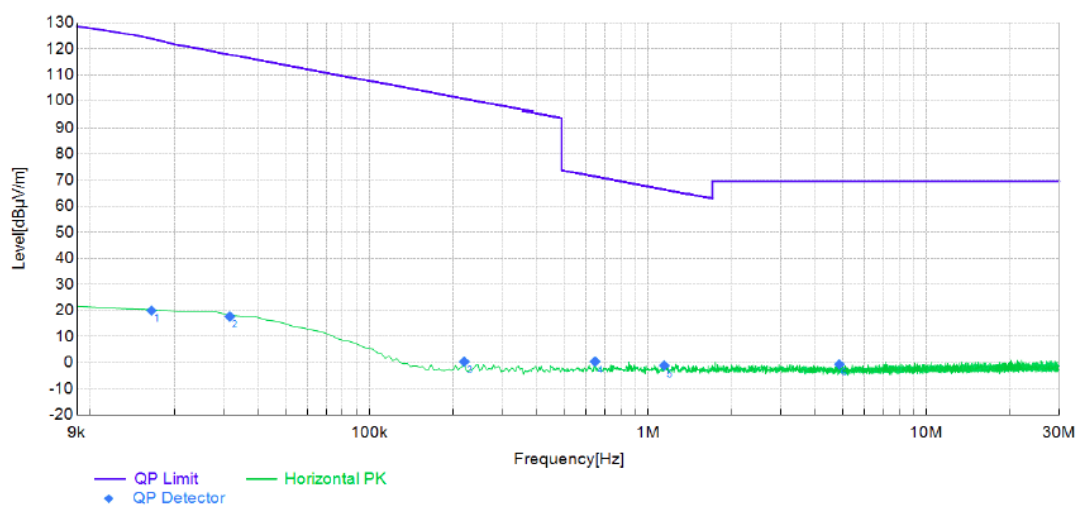
NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pol
1	0.0202	-30.35	53.2	22.85	121.49	98.64	100	11	X
2	0.0390	-30.72	51.14	20.42	115.81	95.39	100	11	X
3	0.0840	-31.24	42.37	11.13	109.13	98.00	100	11	X
4	0.1477	-31.31	29.87	-1.44	104.26	105.70	100	4	X
5	0.3614	-31.42	30.36	-1.06	96.46	97.52	100	44	X
6	0.9275	-31.16	29.52	-1.64	68.26	69.90	100	77	X

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Polarization:

Y



Final Data List

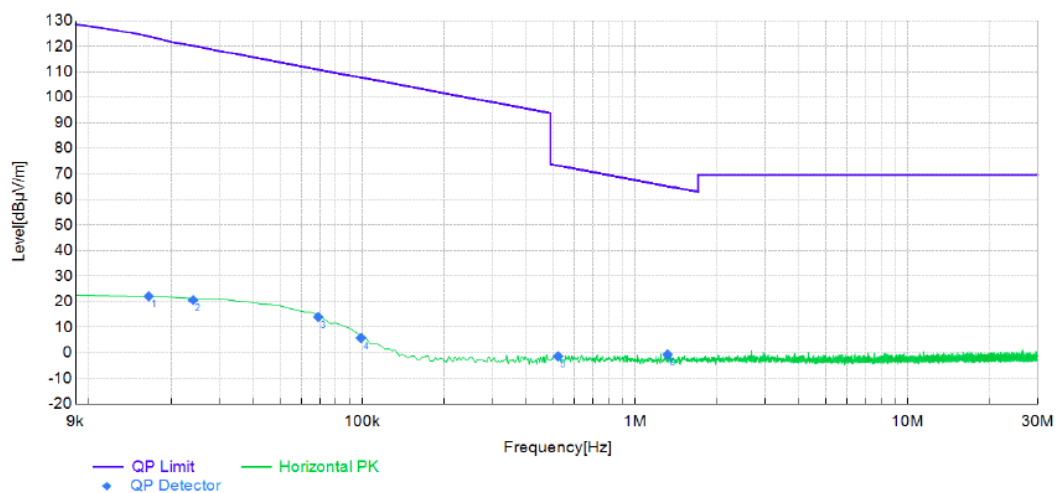
NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pol
1	0.0165	-30.28	50.27	19.99	123.79	103.80	100	318	Y
2	0.0315	-30.57	48.23	17.66	117.69	100.03	100	318	Y
3	0.2189	-31.42	31.78	0.36	100.82	100.46	100	213	Y
4	0.6463	-31.08	31.47	0.39	71.40	71.01	100	166	Y
5	1.1449	-31.21	30.1	-1.11	66.45	67.56	100	65	Y
6	4.8713	-31.44	30.74	-0.70	69.54	70.24	100	65	Y

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Polarization:

Z



Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBμV/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pol
1	0.0165	-30.28	52.45	22.17	123.79	101.62	100	352	Z
2	0.0240	-30.43	51.08	20.65	120.17	99.52	100	352	Z
3	0.0690	-31.13	45.2	14.07	110.84	96.77	100	352	Z
4	0.0990	-31.24	37.09	5.85	107.69	101.84	100	352	Z
5	0.5226	-31.12	29.74	-1.38	73.24	74.62	100	357	Z
6	1.3174	-31.20	30.51	-0.69	65.22	65.91	100	222	Z

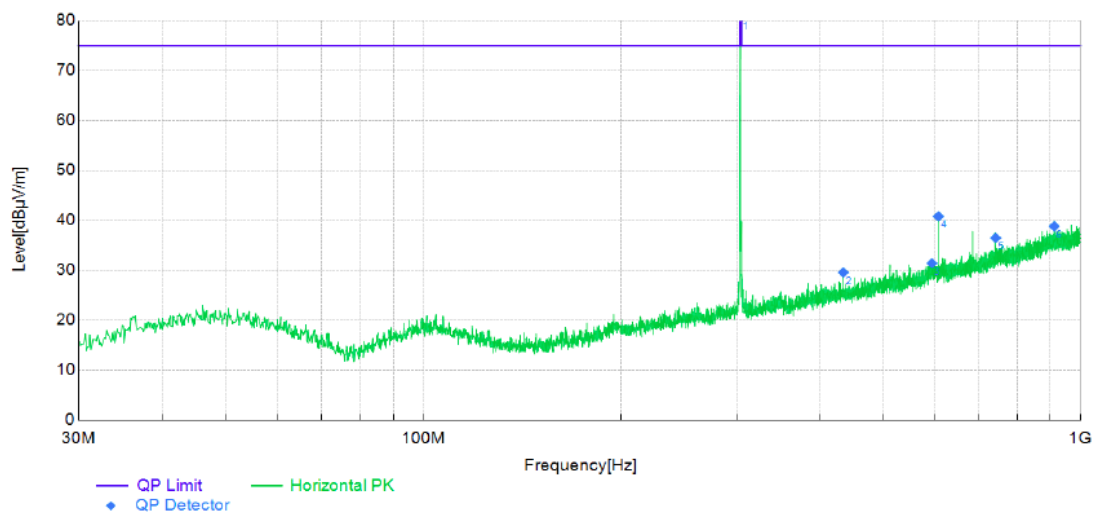
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

FOR 30 MHz ~ 1000 MHz

Polarization:

Horizontal

**Final Data List**

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Pol
1	303.9038	-7.32	87.86	80.54	94.90	14.36	100	116	Horizontal
2	435.4600	-3.44	32.96	29.52	74.90	45.38	100	116	Horizontal
3	594.0550	0.56	30.83	31.39	74.90	43.51	100	134	Horizontal
4	607.7563	0.82	39.97	40.79	74.90	34.11	100	116	Horizontal
5	742.5863	3.62	32.86	36.48	74.90	38.42	100	152	Horizontal
6	911.7300	6.69	32.08	38.77	74.90	36.13	100	128	Horizontal

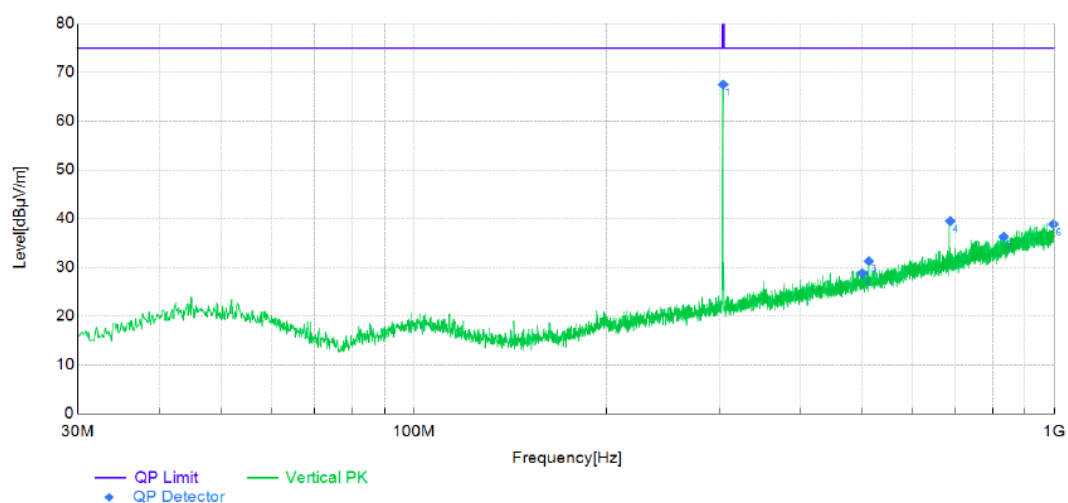
Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Spurious Emission of Average

No.	Freq. [MHz]	PK level [dBμV/m]	DCCF [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	303.9038	80.54	-12.59	67.95	74.90	6.95	Horizontal	AV
2	435.4600	29.52	-12.59	16.93	54.90	37.97	Horizontal	AV
3	594.0550	31.39	-12.59	18.8	54.90	36.10	Horizontal	AV
4	607.7563	40.79	-12.59	28.2	54.90	26.70	Horizontal	AV
5	742.5863	36.48	-12.59	23.89	54.90	31.01	Horizontal	AV
6	911.7300	38.77	-12.59	26.18	54.90	28.72	Horizontal	AV

Polarization: Vertical



Final Data List

NO.	Frequency [MHz]	Factor [dB/m]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Pol
1	303.9038	-7.32	74.75	67.43	94.90	27.47	100	20	Vertical
2	501.1775	-1.94	30.68	28.74	74.90	46.16	100	114	Vertical
3	513.0600	-1.71	32.98	31.27	74.90	43.63	100	170	Vertical
4	687.5388	2.16	37.31	39.47	74.90	35.43	100	64	Vertical
5	833.0388	4.80	31.47	36.27	74.90	38.63	100	127	Vertical
6	996.1200	7.60	31.21	38.81	74.90	36.09	100	89	Vertical

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

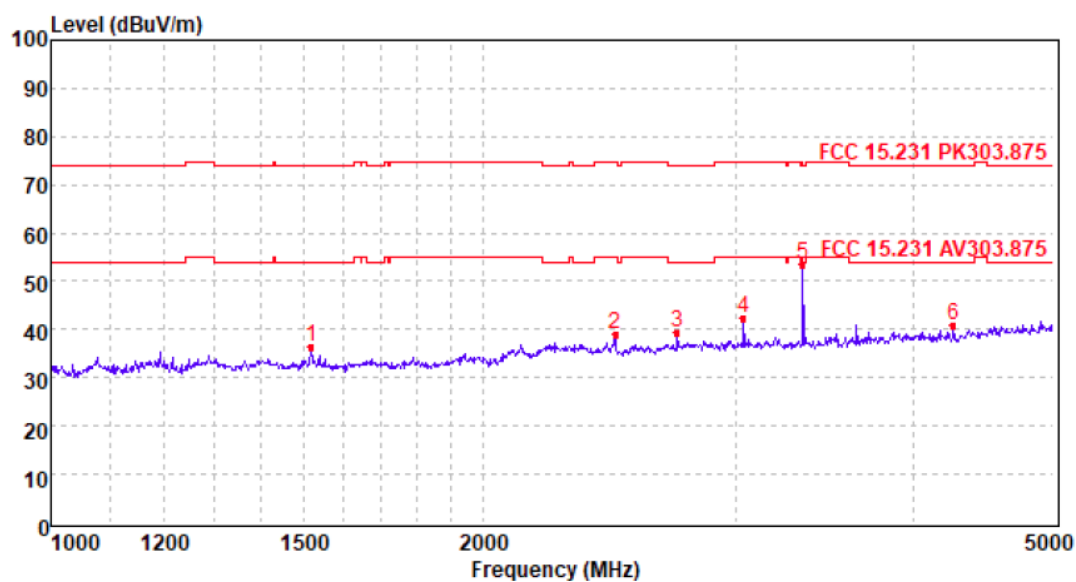
Spurious Emission of Average

No.	Freq. [MHz]	PK level [dBμV/m]	DCCF [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	303.9038	67.43	-12.59	54.84	74.90	20.06	Vertical	AV
2	501.1775	28.74	-12.59	16.15	54.90	38.75	Vertical	AV
3	513.0600	31.27	-12.59	18.68	54.90	36.22	Vertical	AV
4	687.5388	39.47	-12.59	26.88	54.90	28.02	Vertical	AV
5	833.0388	36.27	-12.59	23.68	54.90	31.22	Vertical	AV
6	996.1200	38.81	-12.59	26.22	54.90	28.68	Vertical	AV

FOR 1 GHz ~ 5 GHz

Polarization:

Horizontal



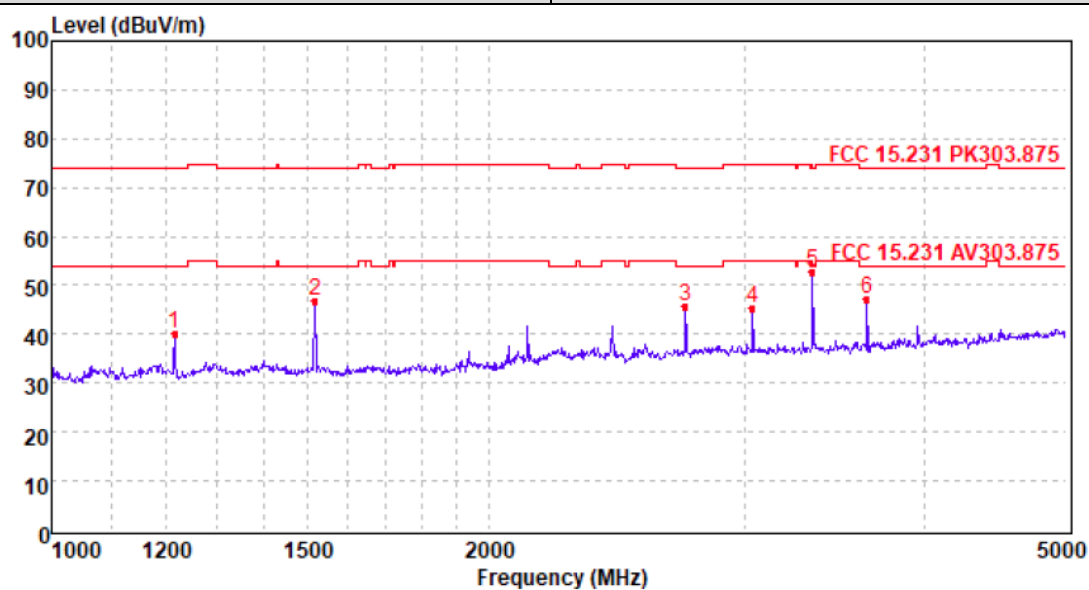
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1519.61	48.91	25.76	3.25	41.50	36.42	74.00	-37.58	Peak
2	2474.69	47.46	28.20	4.26	41.00	38.92	74.90	-35.98	Peak
3	2734.36	47.27	28.74	4.47	40.94	39.54	74.00	-34.46	Peak
4	3040.80	49.37	29.18	4.71	40.80	42.46	74.90	-32.44	Peak
5	3343.70	60.26	29.00	4.92	40.80	53.38	74.90	-21.52	Peak
6	4256.70	44.38	30.90	5.84	40.37	40.75	74.00	-33.25	Peak

Spurious Emission of Average

No.	Freq. [MHz]	PK level [dBuV/m]	DCCF [dB]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Polarity	Detector
1	1519.61	36.42	-12.59	23.83	54.00	30.17	Horizontal	AV
2	2474.69	38.9	-12.59	26.31	54.90	28.59	Horizontal	AV
3	2734.36	39.54	-12.59	26.95	54.00	27.05	Horizontal	AV
4	3040.80	42.46	-12.59	29.87	54.90	25.03	Horizontal	AV
5	3343.70	53.38	-12.59	40.79	54.90	14.11	Horizontal	AV
6	4256.70	40.75	-12.59	28.16	54.00	25.84	Horizontal	AV

Polarization:

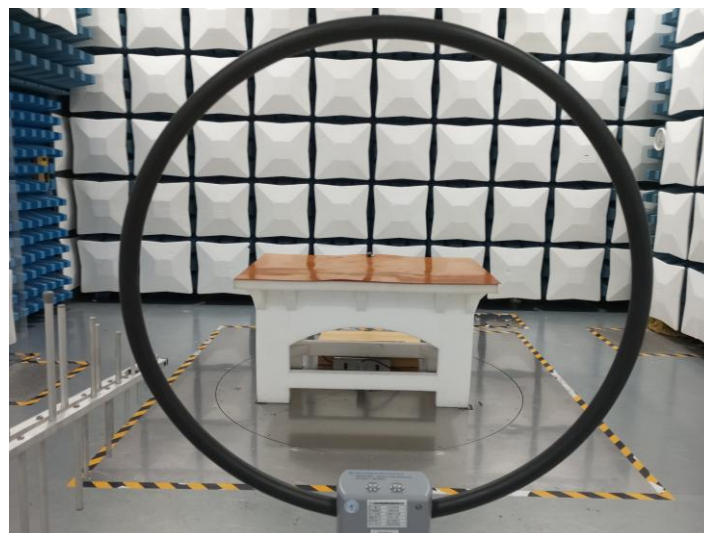
Vertical

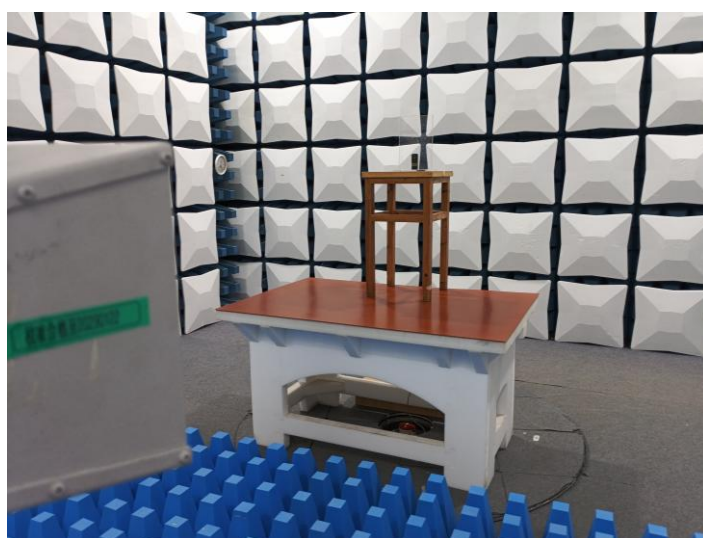
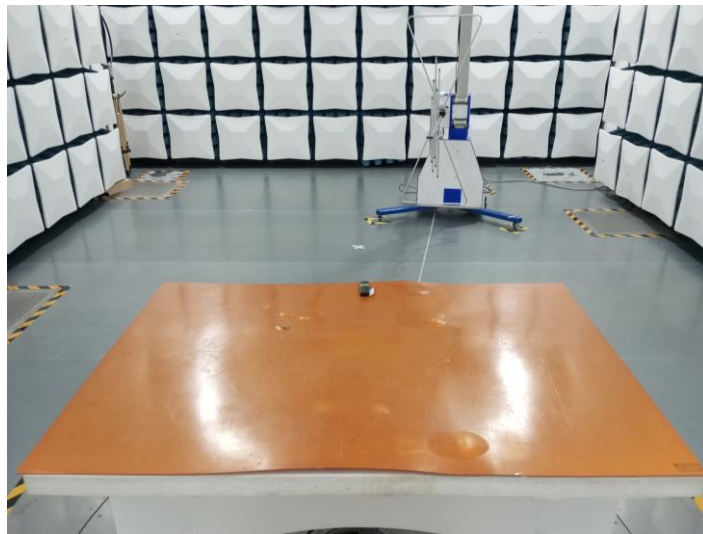


Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1215.00	53.36	25.66	2.93	41.62	40.33	74.00	-33.67	Peak
2	1519.61	59.23	25.76	3.25	41.50	46.74	74.00	-27.26	Peak
3	2734.36	53.41	28.74	4.47	40.94	45.68	74.00	-28.32	Peak
4	3040.80	52.41	29.18	4.71	40.80	45.50	74.90	-29.40	Peak
5	3343.70	59.76	29.00	4.92	40.80	52.88	74.90	-22.02	Peak
6	3647.30	52.93	29.70	5.26	40.69	47.20	74.00	-26.80	Peak

Spurious Emission of Average								
No.	Freq. [MHz]	PK level [dBμV/m]	DCCF [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1215.00	40.33	-12.59	27.74	54.00	26.26	Vertical	AV
2	1519.61	46.74	-12.59	34.15	54.00	19.85	Vertical	AV
3	2734.36	45.68	-12.59	33.09	54.00	20.91	Vertical	AV
4	3040.80	45.50	-12.59	32.91	54.90	21.99	Vertical	AV
5	3343.70	52.88	-12.59	40.29	54.90	14.61	Vertical	AV
6	3647.30	47.20	-12.59	34.61	54.90	20.29	Vertical	AV

6. TEST SETUP PHOTOS



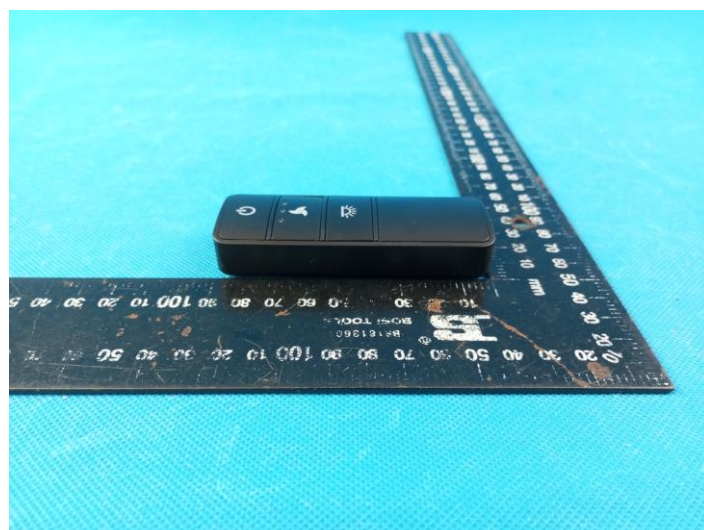
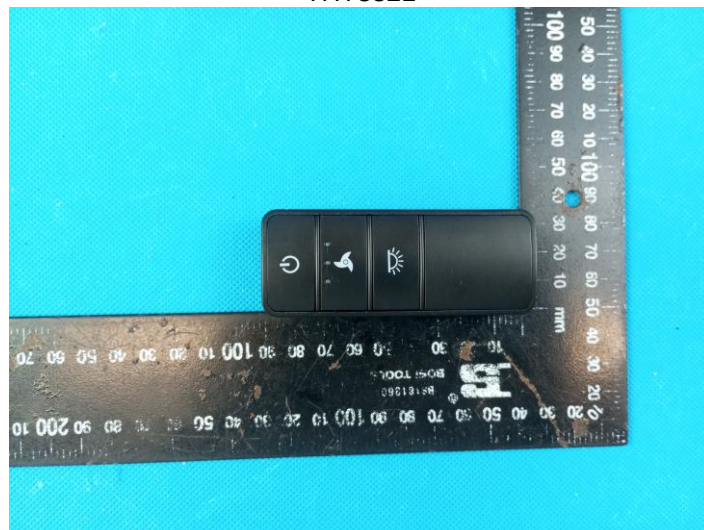


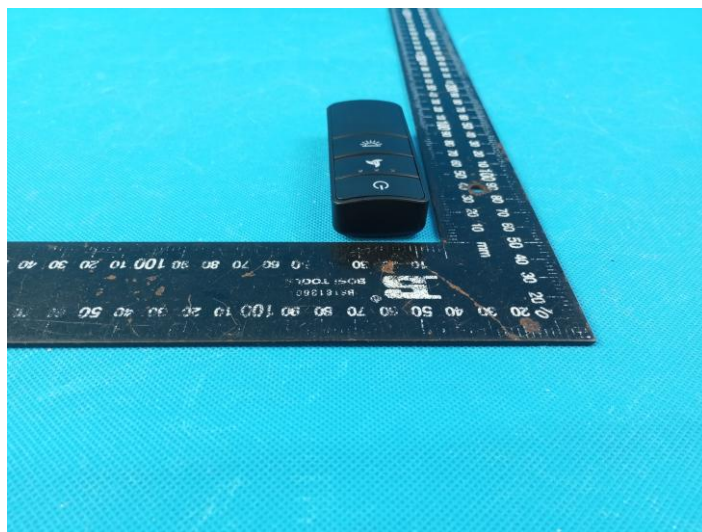
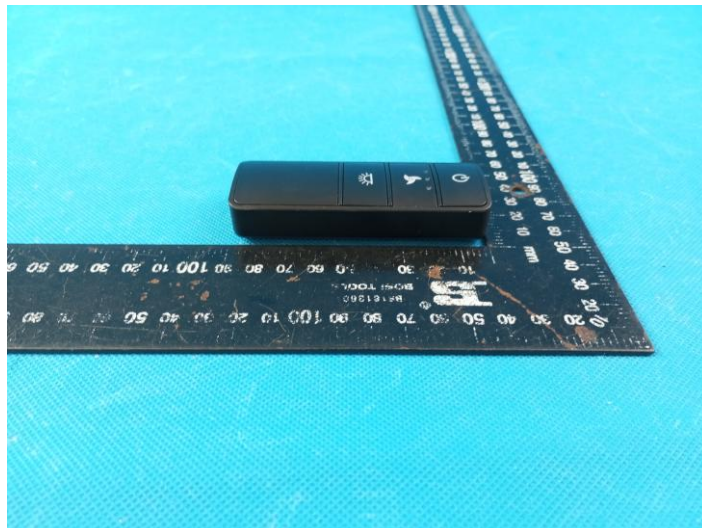
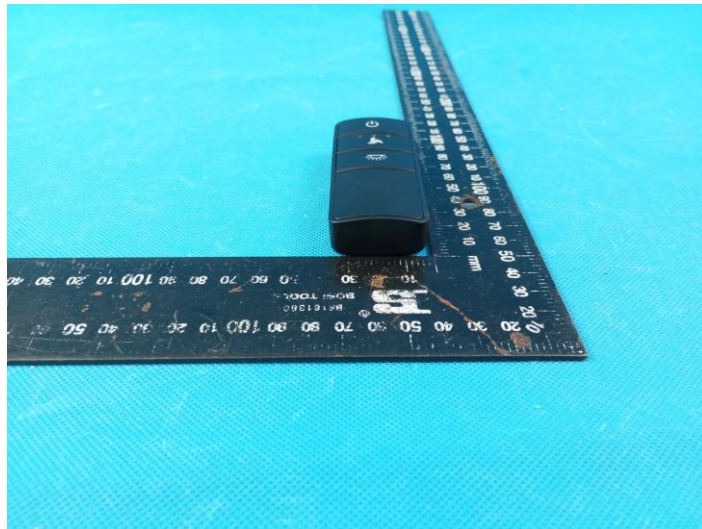
7. EXTERNAL AND INTERNAL PHOTOS

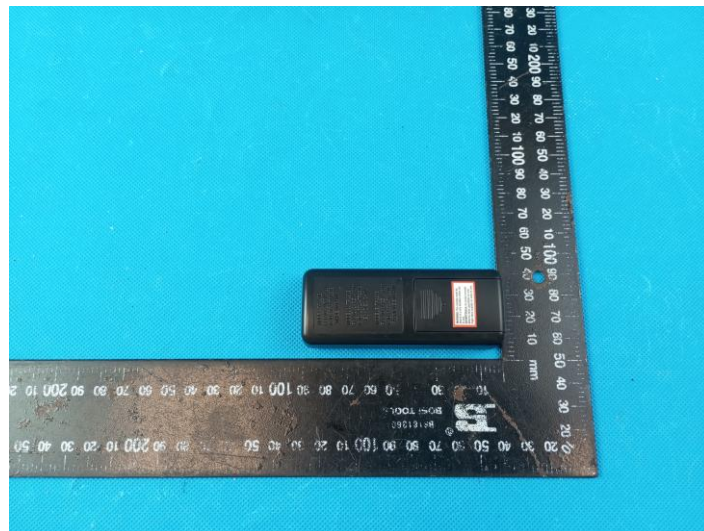
7.1. External Photos



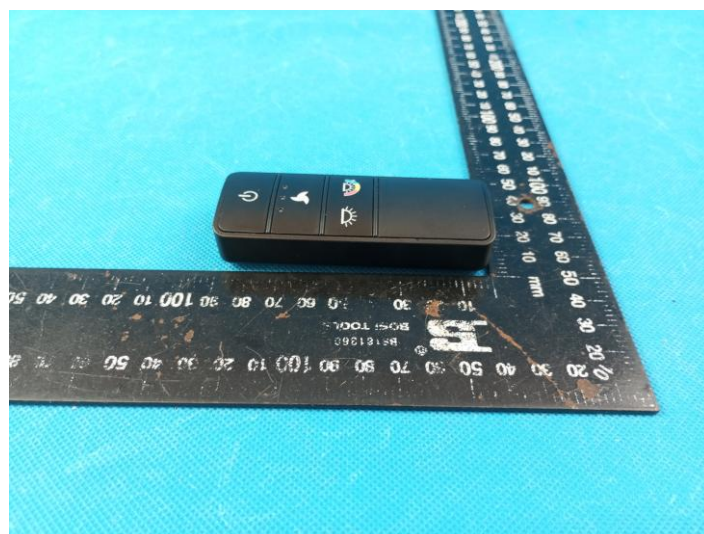
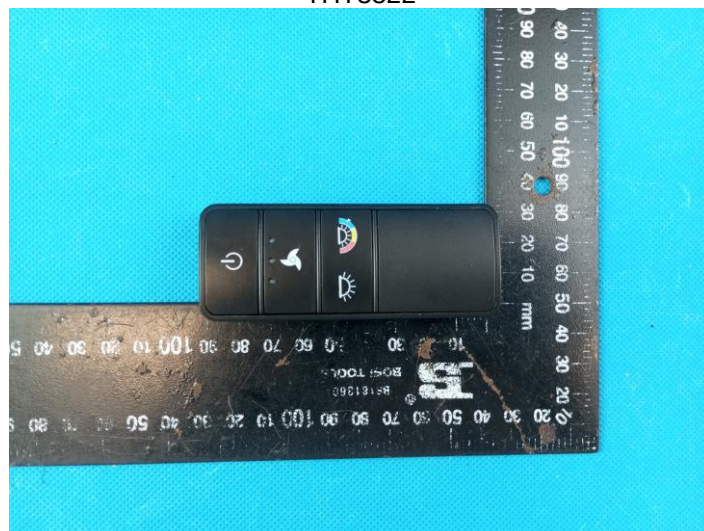
THT3321

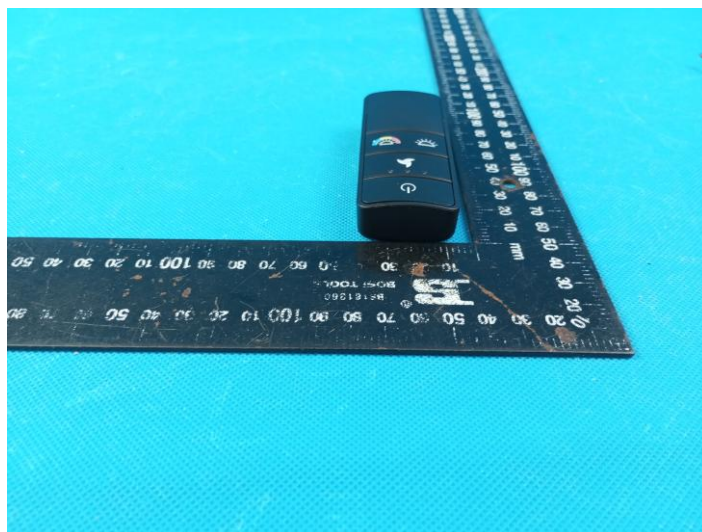
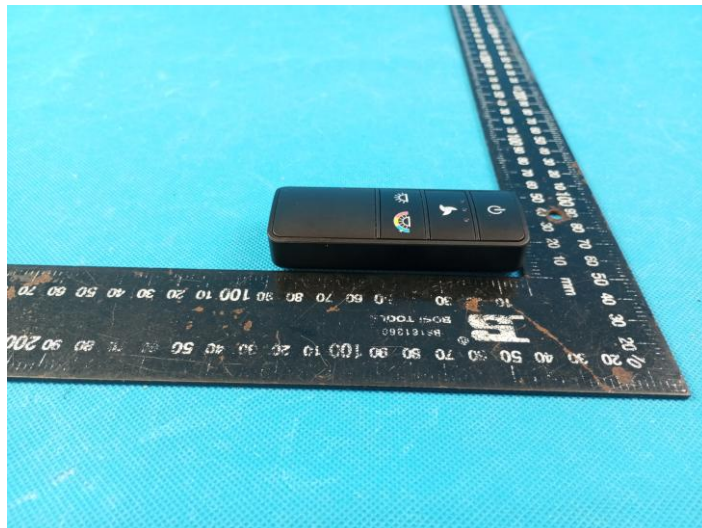
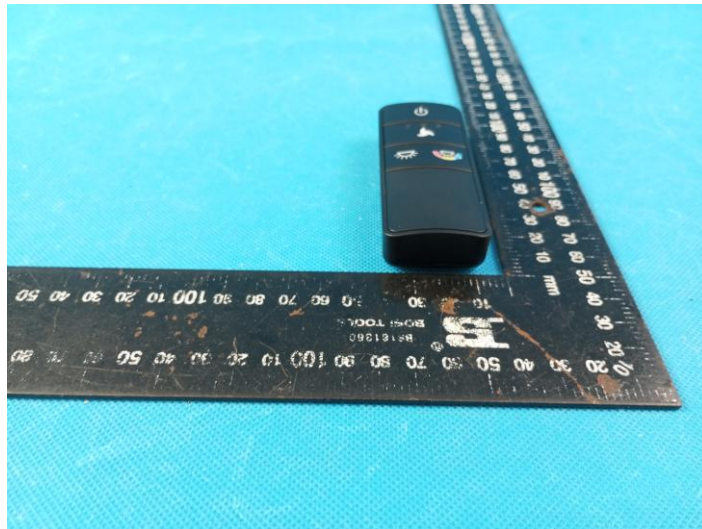






THT3322

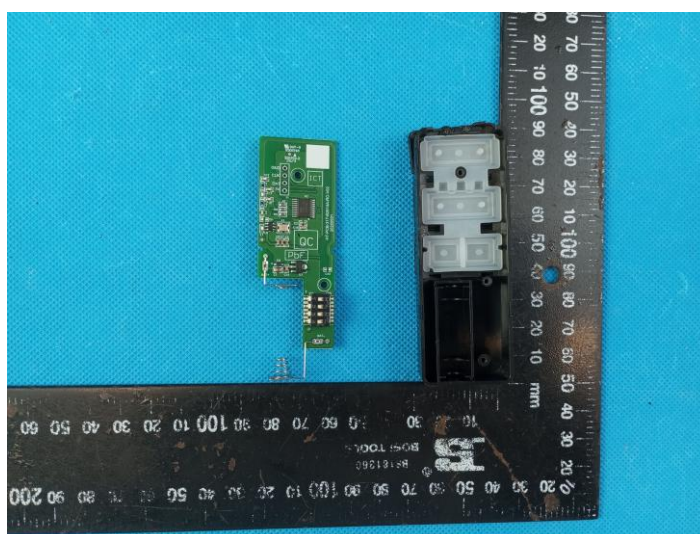


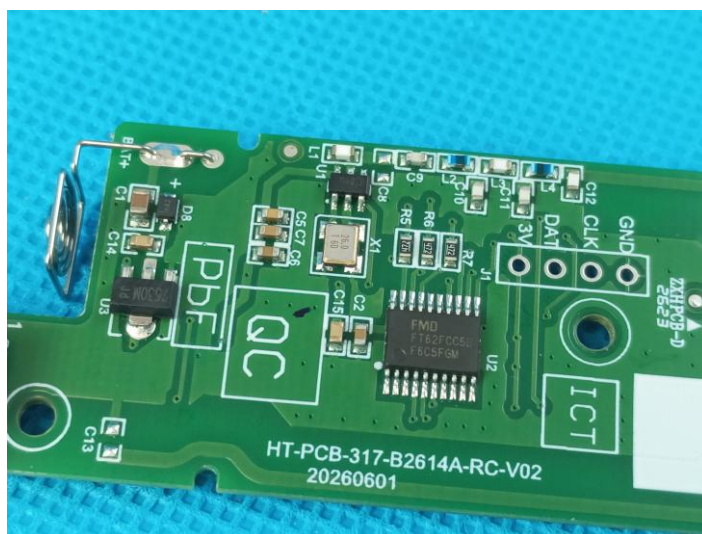
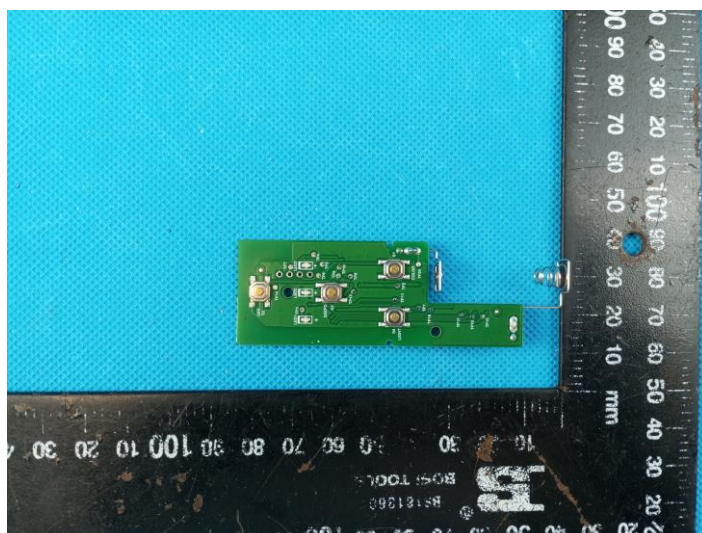
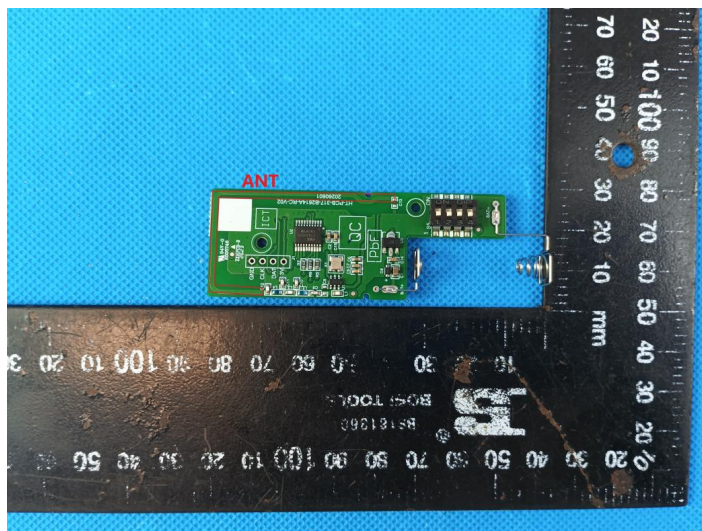




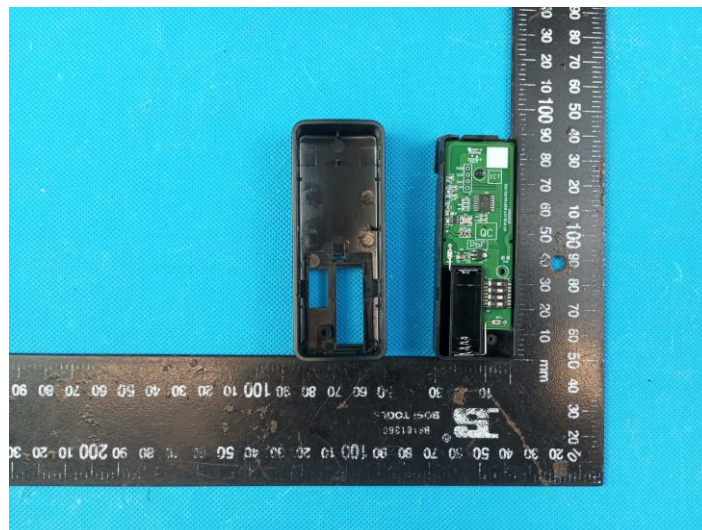
7.2. Internal Photos

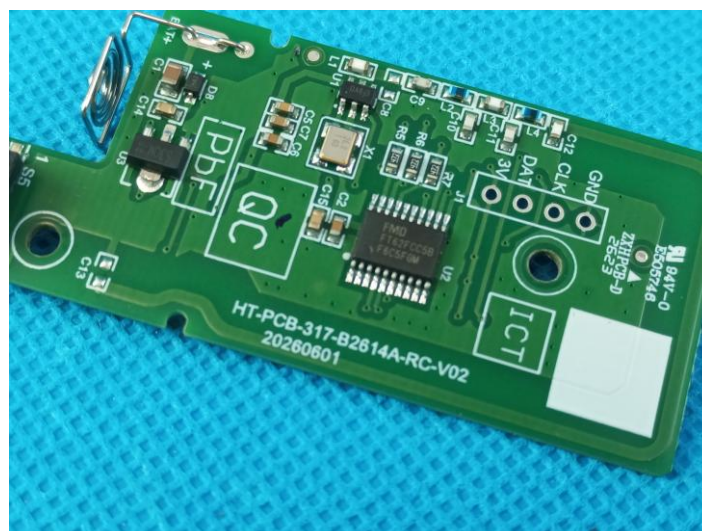
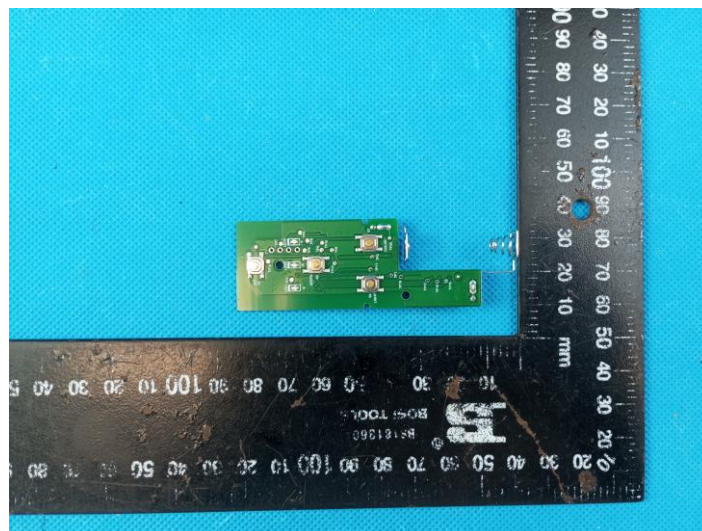
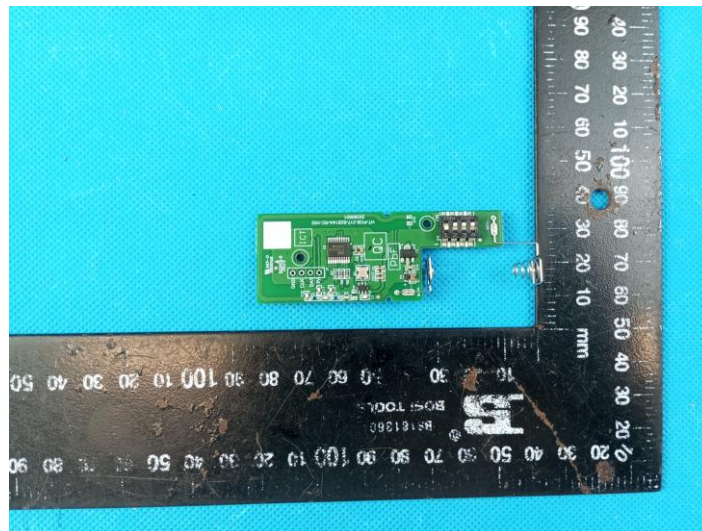
THT3321





THT3322





8. APPENDIX REPORT

APPENDIX REPORT

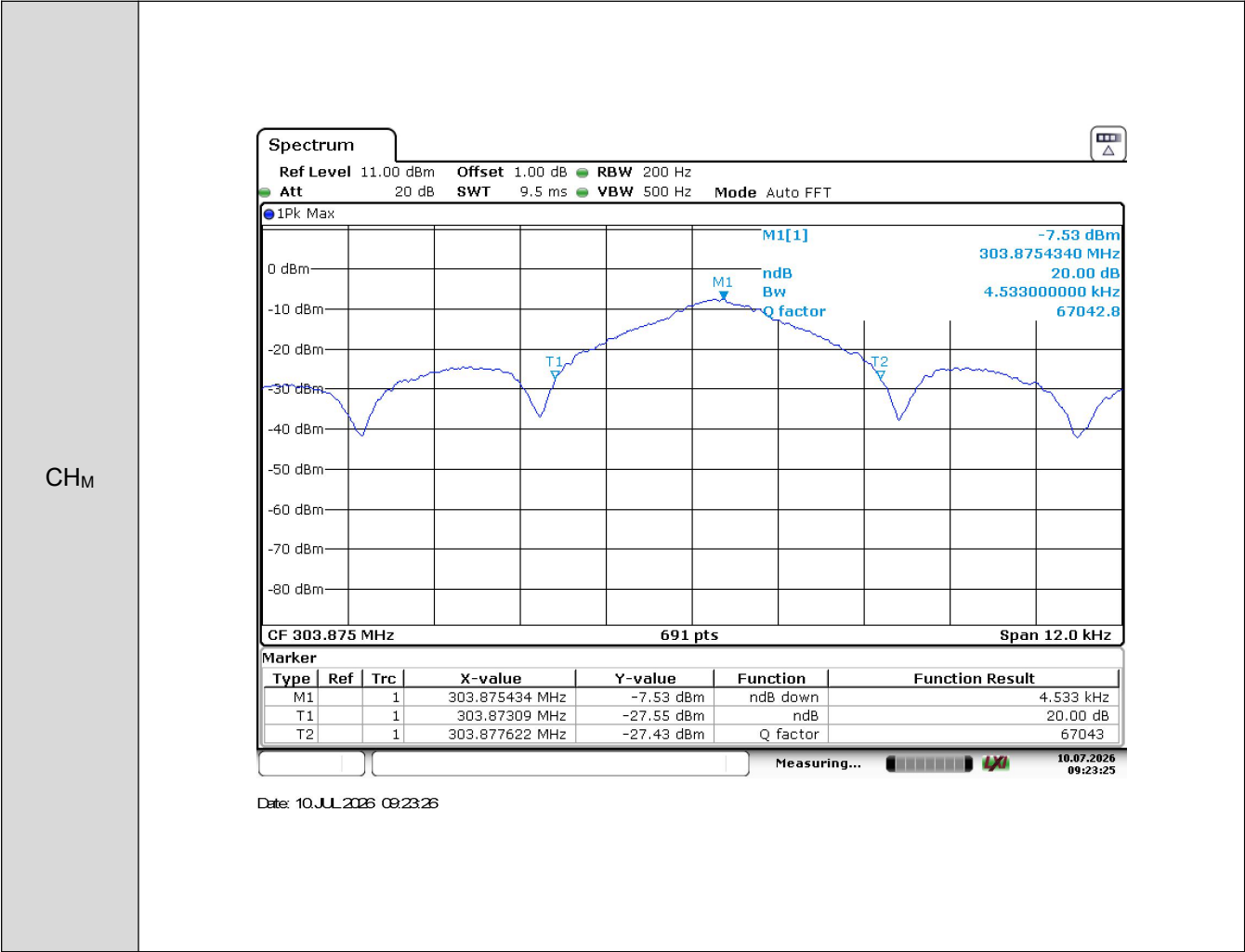
Project No.	SHT2606068402W		
Test sample No.	YPHT26060684001	Model No.	THT3321
Start test date	2026/7/10	Finish date	2026/7/10
Temperature	21.0℃	Humidity	51%
Test Engineer		Auditor	

Appendix clause	Test item	Result
A	20dB Bandwidth	PASS
B	99% Occupied Bandwidth	PASS
C	Deactivation Time	PASS
D	Duty Cycle Corrected Factor	PASS

Appendix A: 20dB bandwidth

Test Channel	20dB Bandwidth (kHz)	Limit (kHz)	Result
CH _M	4.533	759.69	Pass

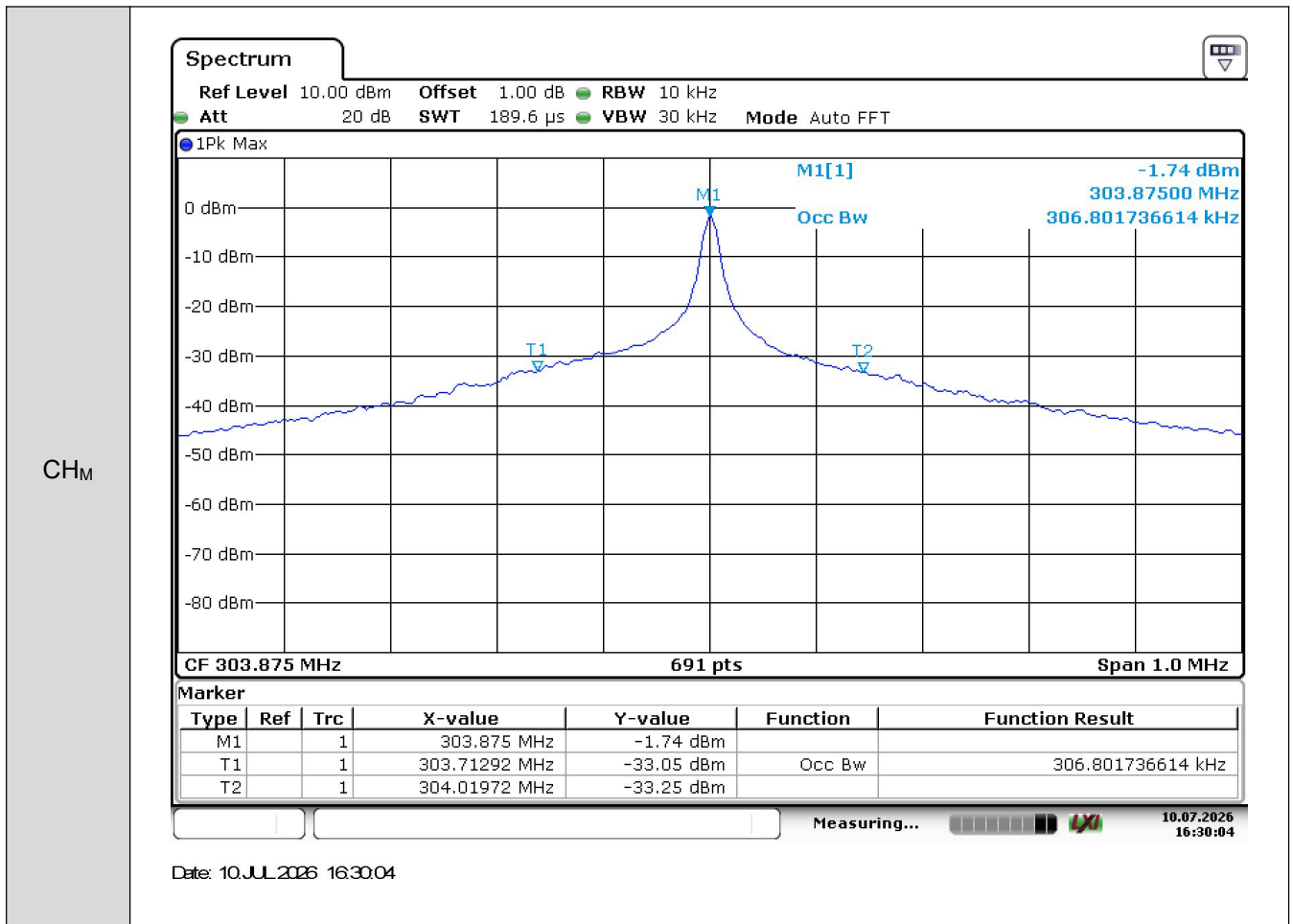
NOTE:Limit=0.25%*Center Frequency=759.69 kHz



Appendix B: 99% Occupied Bandwidth

Test Channel	99% Occupied Bandwidth (kHz)	Limit (kHz)	Result
CH _M	306.80	759.69	Pass

NOTE: Limit = $0.25\% \times \text{Center Frequency} = 759.69 \text{ kHz}$



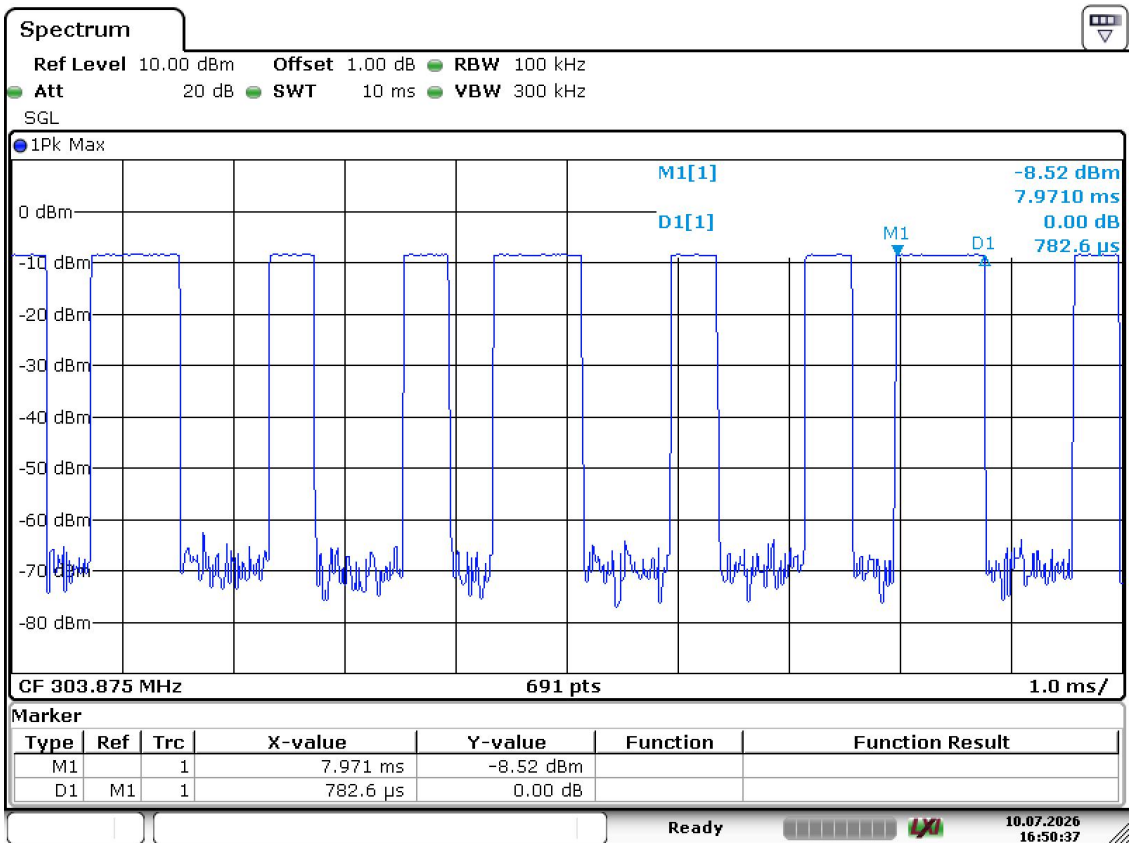
Appendix D: Duty Cycle Corrected Factor

T _{ON1} (ms) :	0.783
T _{ON1} number	7
T _{ON2} (ms) :	0.391
T _{ON2} number	46
Period (ms) :	100
Duty Cycle :	$= (0.783 \times 7 + 0.391 \times 46) / 100 = 0.2347$
Duty Cycle Corrected Factor:	$= 20 \times \log(0.2347) = -12.59$

Note:

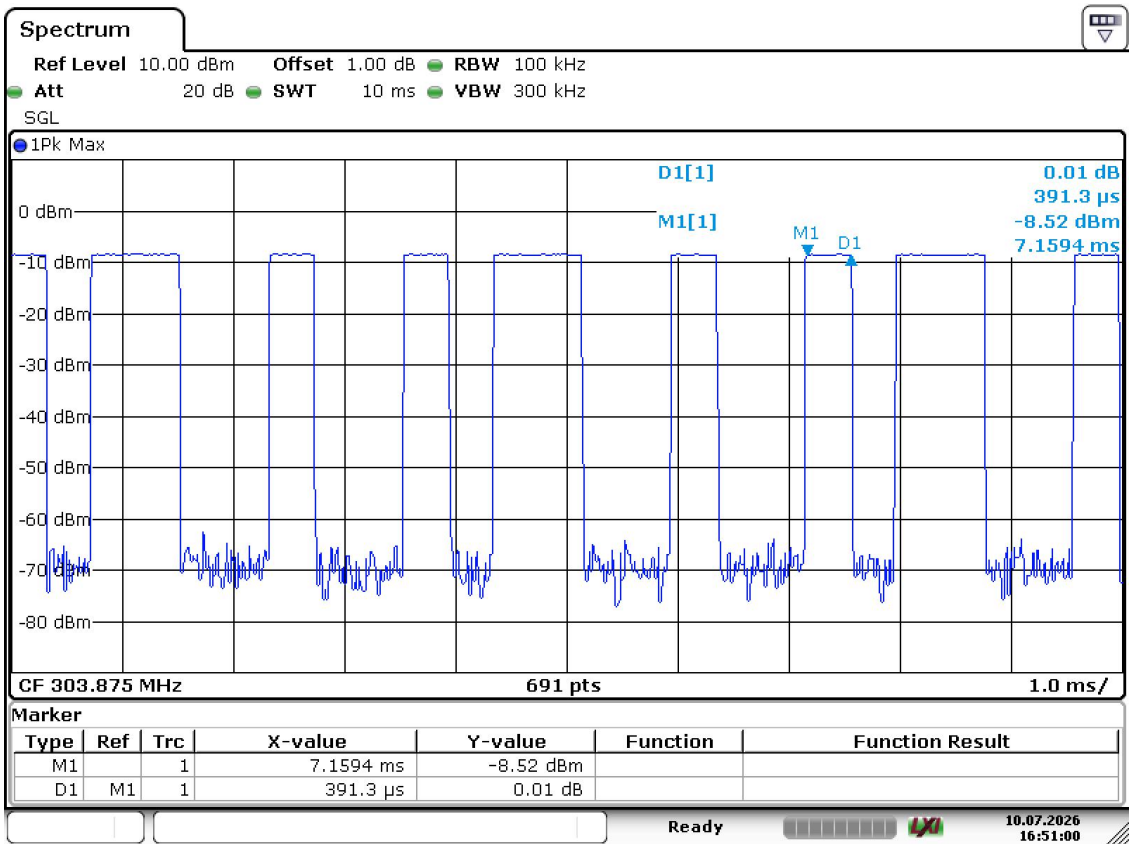
- 1) Duty cycle= $T_{ON1} \times T_{ON1 \text{ number}} + T_{ON2} \times T_{ON2 \text{ number}} / T_{period}$
- 2) Duty Cycle Corrected Factor/DCCF= $20 \times \log (\text{Duty Cycle})$

T_{ON1} (ms) :

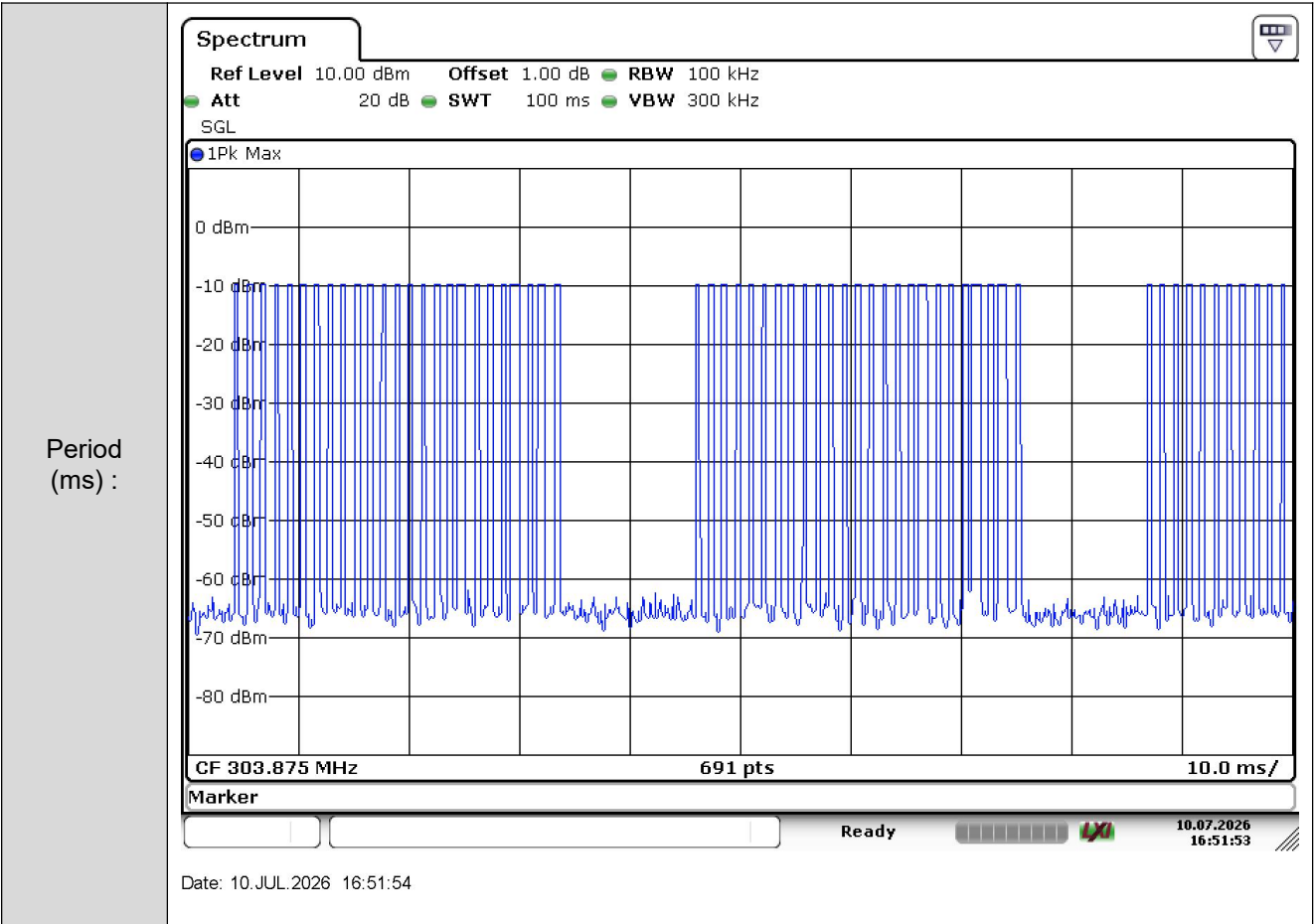


Date: 10.JUL.2026 16:50:37

T_{ON2} (ms) :



Date: 10.JUL.2026 16:51:00



-----End of Report-----