



FCC TEST REPORT

FCC ID: 2BQG6-PW-5

Product	:	tracker wheel
Model Name	:	PW-5, PW-5T, PW-5H, PW-4, PW-6, PW-6H, PW-4T, PW-4H
Brand	:	N/A
Report No.	:	PTC25061619601E-FC02
Prepared for		
QUZHOU SANMAX HARDWARE TECHNOLOGY CO., LTD		
Room 36, No. 2 Juhai Rd., Qujiang District, Quzhou City, Zhejiang Province, China		
Prepared by		
Precise Testing & Certification Co., Ltd.		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



1 TEST RESULT CERTIFICATION

Applicant's name : QUZHOU SANMAX HARDWARE TECHNOLOGY CO., LTD
Address : Room 36, No. 2 Juhai Rd., Qujiang District, Quzhou City, Zhejiang Province, China
Manufacture's name : QUZHOU SANMAX HARDWARE TECHNOLOGY CO., LTD
Address : Room 36, No. 2 Juhai Rd., Qujiang District, Quzhou City, Zhejiang Province, China
Product name : tracker wheel
Model name : PW-5, PW-5T, PW-5H, PW-4, PW-6, PW-6H, PW-4T, PW-4H
Standards : FCC Part15 Subpart C, Paragraph 15.249
Test procedure : ANSI C63.10-2020
Test Date : Nov. 26, 2025 to Dec. 14, 2025
Date of Issue : Dec. 14, 2025
Test Result : Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



Contents

Page

1 TEST RESULT CERTIFICATION	2
2 TEST SUMMARY	5
3 TEST FACILITY	6
4 GENERAL INFORMATION	7
4.1 GENERAL DESCRIPTION OF E.U.T.	7
4.2 TEST MODE	8
4.3 LIST OF CHANNELS	9
5 EQUIPMENT DURING TEST	10
5.1 EQUIPMENTS LIST	10
5.2 MEASUREMENT UNCERTAINTY	13
5.3 DESCRIPTION OF SUPPORT UNITS	14
6.CONDUCTED EMISSION	15
6.1TEST STANDARD AND LIMIT	15
6.2. TEST SETUP	15
6.3. TEST PROCEDURE	15
6.4. CONDUCTED EMISSION TEST RESULT	16
7 . RADIATED EMISSION AND BAND EDGE	17
7.1. TEST STANDARD AND LIMIT	17
7.2. TEST SETUP	18
7.3. TEST PROCEDURE	19
7.4. TEST DATA	20
8. 20DB BANDWIDTH TEST	27
8.1. TEST STANDARD AND LIMIT	27
8.2. TEST SETUP	27
8.3. TEST PROCEDURE	27
8.4. TEST DATA	27
9. ANTENNA REQUIREMENT	29
9.1. TEST STANDARD AND REQUIREMENT	29
9.2. ANTENNA CONNECTED CONSTRUCTION	29



Report No.: PTC25112101701E-FC02

10. TEST SETUP	30
11. EUT PHOTOS	31



2 Test Summary

Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	Conducted Emission	N/A
15.249	Radiated Emission	PASS
15.215(c)	20dB Bandwidth	PASS
Remark: "N/A" is an abbreviation for Not Applicable.		



Report No.: PTC25112101701E-FC02

3 TEST FACILITY

Precise Testing & Certification Co., Ltd.

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

FCC Registration Number: 790290

A2LA Certificate No.: 4408.01

IC Registration Number: 12191A



4 General Information

4.1 General Description of E.U.T.

Product Name	:	tracker wheel
Model Name	:	PW-5
Additional Model	:	PW-5T, PW-5H, PW-4, PW-6, PW-6H, PW-4T, PW-4H
Differences Description	:	Only the model name is different.
Operating frequency	:	902.3-914.9MHz
Numbers of Channels	:	64 Channels
Antenna Type	:	FPC Antenna
Antenna Gain	:	1.34 dBi
Type of Modulation	:	FSK
Power supply	:	Battery: Li-ion Battery: ER18505M Rated Voltage: 3.6V Rated Capacity: 3500mAh 12.6Wh
Hardware Version	:	N/A
Software Version	:	N/A
Test sample No.	:	PTC25112101701E-1/2, PTC25112101701E-2/2.



4.2 Test Mode

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Channel	Frequency (MHz)	Modulation
Mode 1	CH0	902.3	FSK
Mode 2	CH32	908.7	FSK
Mode 3	CH63	914.9	FSK

For Conducted Emission	
Final Test Mode	Description
Mode 1	CH0
Mode 2	CH32
Mode 3	CH63

For Radiated Emission	
Final Test Mode	Description
Mode 1	CH0
Mode 2	CH32
Mode 3	CH63

Note:

1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.



4.3 List of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	902.3	1	902.5	2	902.7	3	902.9
4	903.1	5	903.3	6	903.5	7	903.7
8	903.9	9	904.1	10	904.3	11	904.5
12	904.7	13	904.9	14	905.1	15	905.3
16	905.5	17	905.7	18	905.9	19	906.1
20	906.3	21	906.5	22	906.7	23	906.9
24	907.1	25	907.3	26	907.5	27	907.7
28	907.9	29	908.1	30	908.3	31	908.5
32	908.7	33	908.9	34	909.1	35	909.3
36	909.5	37	909.7	38	909.9	39	910.1
40	910.3	41	910.5	42	910.7	43	910.9
44	911.1	45	911.3	46	911.5	47	911.7
48	911.9	49	912.1	50	912.3	51	912.5
52	912.7	53	912.9	54	913.1	55	913.3
56	913.5	57	913.7	58	913.9	59	914.1
60	914.3	61	914.5	62	914.7	63	914.9



5 Equipment During Test

5.1 Equipments List

RF Conducted Test

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
MXG Signal Analyzer	Agilent	N9020A	SER MY5111038	10Hz-26.5GHz	Aug. 14, 2025	1 Year
Coaxial Cable	CDS	79254	46107086	10Hz-30GHz	Aug. 14, 2025	1 Year
Power Meter	Anritsu	ML2495A	0949003	300MHz-40GHz	Aug. 14, 2025	1 Year
Power Sensor	Anritsu	MA2411B	0917017	300MHz-40GHz	Aug. 14, 2025	1 Year
DC power Supply	Agilent	E3642A	MY52420017	0-8V,5A/0-20 ,2.5A	Aug. 14, 2025	1 Year
Humidity Chamber	AISRY	ASR-HW2-1000	20230926003	-40°C-150°C	Feb.23 ,2025	1year
Test S/W	Tonscend	JS1120-3	/	/	/	/

Remark: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

Radiated Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESPI7	101671	9KHz-7GHz	Aug. 14, 2025	1 Year
Loop Antenna	Schwarzbeck	FMZB 1519	192	9 KHz -30MHz	Nov.28, 2024	1 Year
Loop Antenna	Schwarzbeck	FMZB 1519	192	9 KHz -30MHz	Nov.28, 2025	1 Year
Bilog Antenna	SCHWARZBECK	VULB9160	9160-3355	25MHz-2GHz	Sep.10, 2025	1 Year
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	9KHz-1GHz	Mar.21, 2025	1 Year



Cable	IMRO	AK-9515E(9m)	Cable-L	9KHz-3GHz	Aug. 14, 2025	1 Year
Spectrum Analyzer	Rohde&Schwarz	FSV40	6625-01-588-5515	9KHz-40GHz	Aug. 14, 2025	1 Year
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1246	1GHz-18GHz	Dec.12, 2024	1 Year
Power Amplifier	ZHINAN	ZN3380C	15002	1GHz-26.5GHz	Aug. 14, 2025	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	9170-1066	15GHz-40GHz	Jul. 24, 2025	1 Year
Amplifier	SCHWARZBECK	BBV 9721	9721-205	18GHz-40GHz	Jul. 25, 2025	1 Year
Cable	H+S	CBL-26	N/A	1GHz-26.5GHz	Aug. 14, 2025	1 Year
RF Cable	R&S	R204	R21X	1GHz-40GHz	Aug. 14, 2025	1 Year
Test S/W	Tonscend	TS+	/	/	/	/

Conducted Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Date	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESCI3	101417	9KHz-3GHz	Aug. 14, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	102453	9KHz-300MHz	Oct.30, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	101342	9KHz-300MHz	Oct.30, 2025	1 Year
Limiter	R&S	ESH3-Z2	0357.8810.54-102808-NB	0Hz-30MHz	Aug. 14, 2025	1 Year
RF Switch	DIAMOND ANTENNA	CX-210	/	0.09MHz-6GHz	Mar. 21,2025	1 Year



Report No.: PTC25112101701E-FC02

Test S/W	Tonscend	JS32-CE	/	/	/	/
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5.2 Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	$\pm 1.0\text{dB}$
Power Spectral Density, conducted	$\pm 2.2\text{dB}$
Radio Frequency	$\pm 1 \times 10^{-6}$
Bandwidth	$\pm 1.5 \times 10^{-6}$
Time	$\pm 2\%$
Duty Cycle	$\pm 2\%$
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 3\%$
Conducted Emissions (150kHz~30MHz)	$\pm 3.64\text{dB}$
Radiated Emission(30MHz~1GHz)	$\pm 5.03\text{dB}$
Radiated Emission(1GHz~25GHz)	$\pm 4.74\text{dB}$
Radiated Emission(9KHz~30MHz)	$\pm 3.15\text{dB}$



Report No.: PTC25112101701E-FC02

5.3 Description of Support Units

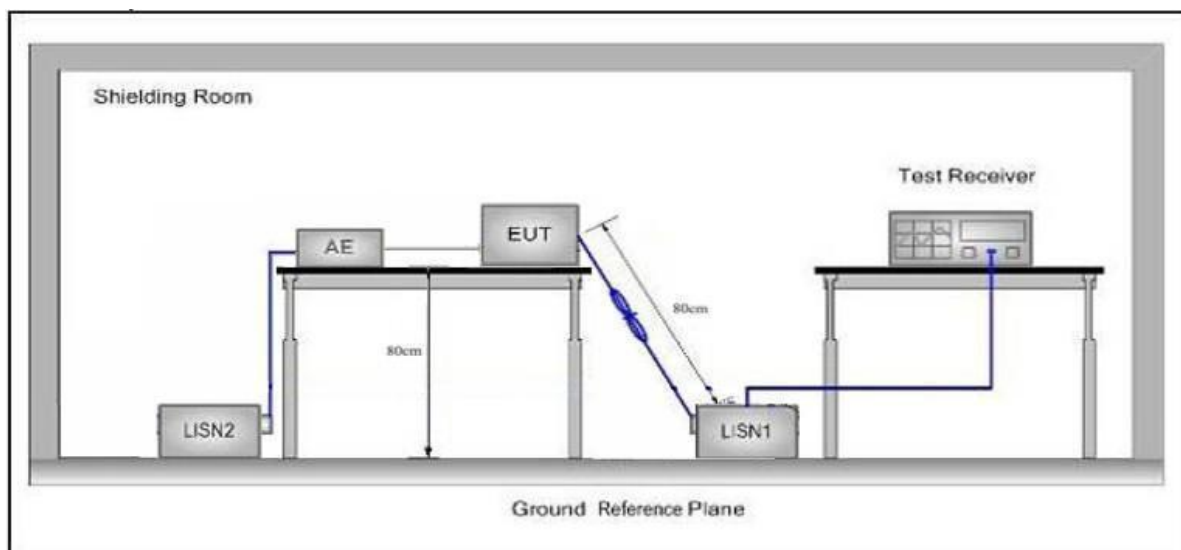
Equipment	Model No.	Series No.
N/A	N/A	N/A

6. Conducted Emission

6.1 Test Standard and Limit

Test Standard	FCC Part15 Section 15.207		
Test Limit	Frequency	Maximum RF Line Voltage (dBuV)	
		Quasi-peak Level	Average Level
	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
	500kHz~5MHz	56	46
	5MHz~30MHz	60	50
Remark: (1) *Decreasing linearly with logarithm of the frequency. (2) The lower limit shall apply at the transition frequency.			

6.2. Test Setup



6.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10-2020 on Conducted Emission Measurement.



The bandwidth of test iSurpass Smart Gateway (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

6.4. Conducted Emission Test Result

N/A.

Remark: Powered only by the battery.

7 . Radiated Emission and Band Edge

7.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	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	-	-	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~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 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.

Test Standard	FCC Part15 C Section 15.249					
Test Limit	Frequency (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	902~928	50	-	94.0	Quasi-peak	3
		-	-	-	-	-

Remark:

(1) 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.

7.2. Test Setup

Figure 1. Below 30MHz

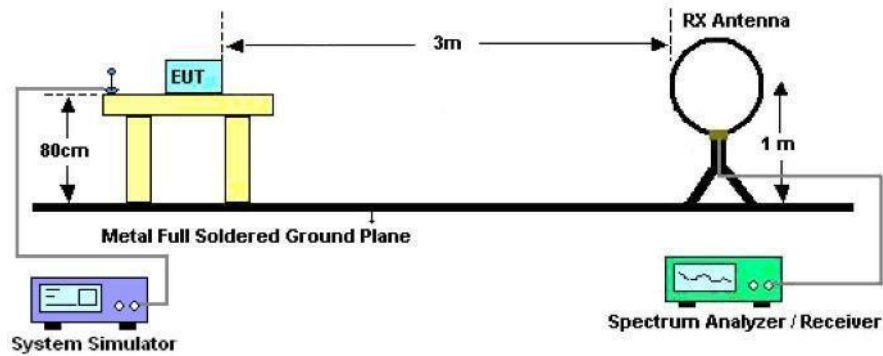


Figure 2. 30MHz to 1GHz

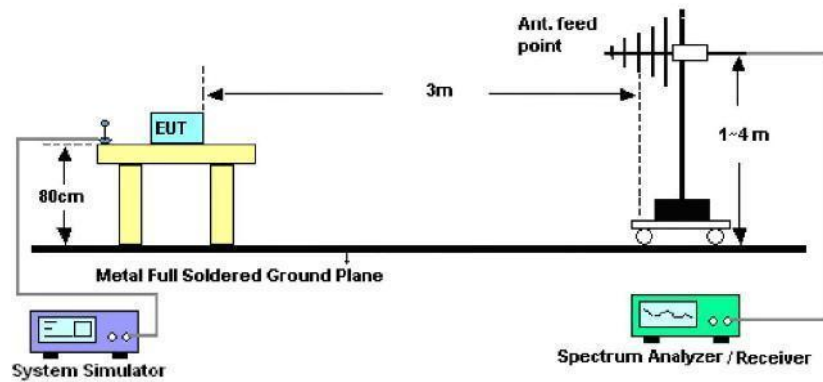
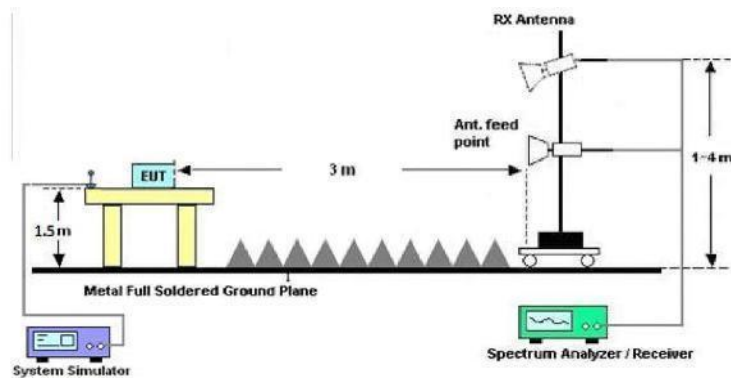


Figure 3. Above 1 GHz





7.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

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.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

.

For above 1GHz,Set the spectrum analyzer as:

RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

RBW =1MHz, VBW =10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.



7.4. Test Data

PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

During the test, pre-scan all the modes, and found the CH 0 channel which is the worst case, only the worst case is recorded in the report



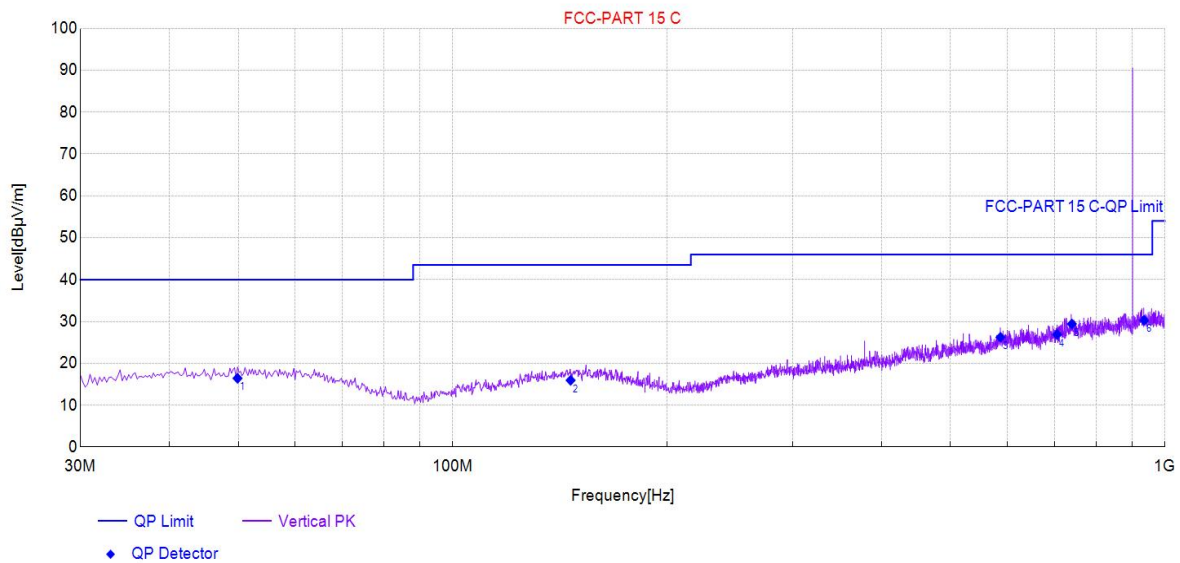
Test Results (30~1000MHz)

Test Mode: CH0

Power Source: DC 3.6V

Polarization: Vertical

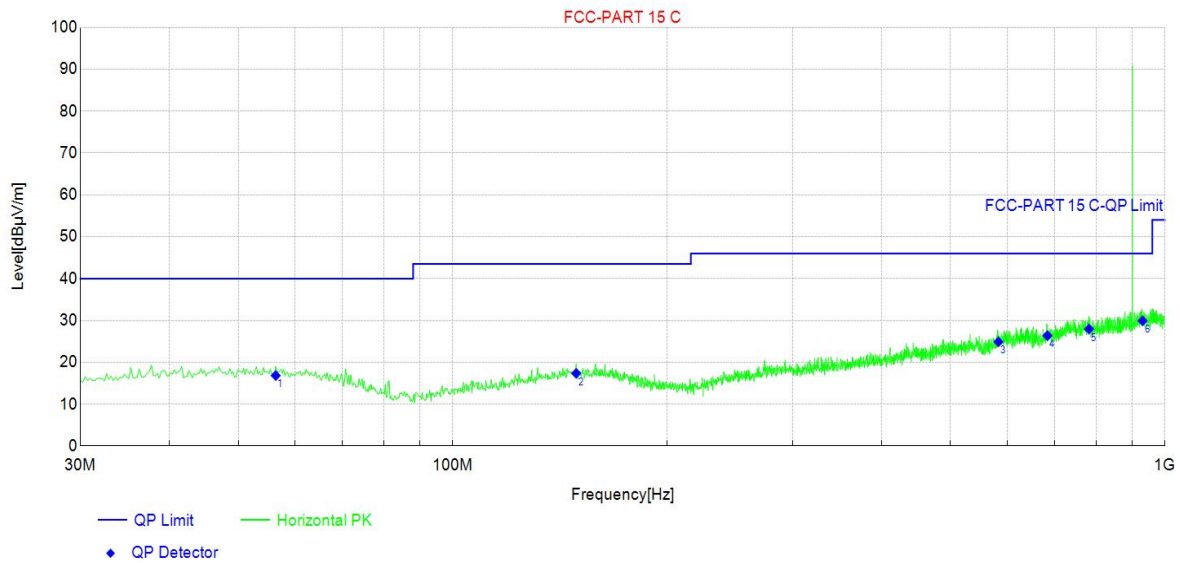
Temp.(°C)/Hum.(%RH): 24.5°C/52%RH



Final Data List[QP]								
NO.	Freq. [MHz]	QP Reading [dBμV]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity	Verdict
1	49.89	26.38	-9.94	16.44	40.00	23.56	Vertical	PASS
2	146.40	25.62	-9.66	15.96	43.50	27.54	Vertical	PASS
3	587.51	27.76	-1.53	26.23	46.00	19.77	Vertical	PASS
4	705.61	27.27	-0.37	26.90	46.00	19.10	Vertical	PASS
5	740.04	28.19	1.23	29.42	46.00	16.58	Vertical	PASS
6	935.01	26.96	3.33	30.29	46.00	15.71	Vertical	PASS

Test Results (30~1000MHz)

Test Mode: CH0
Power Source: DC 3.6V
Polarization: Horizontal
Temp.(°C)/Hum.(%RH): 24.5°C/52%RH



Final Data List[QP]								
NO.	Freq. [MHz]	QP Reading [dBμV]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity	Verdict
1	56.43	26.97	-10.11	16.86	40.00	23.14	Horizontal	PASS
2	149.07	26.98	-9.59	17.39	43.50	26.11	Horizontal	PASS
3	583.63	26.75	-1.84	24.91	46.00	21.09	Horizontal	PASS
4	683.78	26.83	-0.45	26.38	46.00	19.62	Horizontal	PASS
5	782.24	26.88	1.09	27.97	46.00	18.03	Horizontal	PASS
6	929.92	26.69	3.22	29.91	46.00	16.09	Horizontal	PASS

Note: 1. All test mode have been tested. Only the worst case have been recorded in the report.

2. QP Margin[dB]= QP Limit[dBμV/m]- QP Value[dBμV/m], QP Value[dBμV/m]= QP Reading[dBμV]+ Factor[dB/m].



Test Frequency 1GHz-10GHz

CH0:

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
(MHz)	Pol.	(dBuV)	(dB)	(dB/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1804.6	H	48.29	6.58	34.04	34.09	54.82	74	19.18	PK
1804.6	H	30.82	6.58	34.04	34.09	37.35	54	16.65	AV
2706.9	H	40.02	7.73	37.11	34.79	50.07	74	23.93	PK
2706.9	H	34.64	7.73	37.11	34.79	44.69	54	9.31	AV
1804.6	V	42.81	6.58	35.28	34.09	50.58	74	23.42	PK
1804.6	V	25.56	6.58	35.28	34.09	33.33	54	20.67	AV
2706.9	V	38.04	7.73	39.31	34.79	50.29	74	23.71	PK
2706.9	V	22.35	7.73	39.31	34.79	34.60	54	19.40	AV

Fundamental

Frequency	Antenna	Reading	Factor	Results	Limits	Det.
(MHz)	Pol.	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	Mode
902.3	H	86.67	3.01	89.68	94	QP
902.3	V	86.21	3.01	89.22	94	QP

Note: 1. The testing has been conformed to $10 \times 902.30\text{MHz} = 9023\text{MHz}$.

- All other emissions more than 30dB below the limit.
- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor
Margin=Limit-Emission Level



CH32:

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
(MHz)	Pol.	(dBuV)	(dB)	(dB/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1817.4	H	47.64	6.58	34.04	34.09	54.17	74	19.83	PK
1817.4	H	32.24	6.58	34.04	34.09	38.77	54	15.23	AV
2726.1	H	40.43	7.73	37.11	34.79	50.48	74	23.52	PK
2726.1	H	34.32	7.73	37.11	34.79	44.37	54	9.63	AV
1817.4	V	41.45	6.58	35.28	34.09	49.22	74	24.78	PK
1817.4	V	26.62	6.58	35.28	34.09	34.39	54	19.61	AV
2726.1	V	37.05	7.73	39.31	34.79	49.30	74	24.70	PK
2726.1	V	24.07	7.73	39.31	34.79	36.32	54	17.68	AV

Fundamental

Frequency	Antenna	Reading	Factor	Results	Limits	Det.
(MHz)	Pol.	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	Mode
908.7	H	86.78	3.01	89.79	94	QP
908.7	V	86.27	3.01	89.28	94	QP

Note: 1. The testing has been conformed to 10*908.7MHz=9087MHz.

- All other emissions more than 30dB below the limit.
- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor
Margin=Limit-Emission Level


CH63:

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Level	Limits	Margin	Det.
(MHz)	Pol.	(dBuV)	(dB)	(dB/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
1829.8	H	45.96	6.58	34.04	34.09	52.49	74	21.51	PK
1829.8	H	29.85	6.58	34.04	34.09	36.38	54	17.62	AV
2744.7	H	40.01	7.73	37.11	34.79	50.06	74	23.94	PK
2744.7	H	33.34	7.73	37.11	34.79	43.39	54	10.61	AV
1829.8	V	40.59	6.58	35.28	34.09	48.36	74	25.64	PK
1829.8	V	25.87	6.58	35.28	34.09	33.64	54	20.36	AV
2744.7	V	38.27	7.73	39.31	34.79	50.52	74	23.48	PK
2744.7	V	23.33	7.73	39.31	34.79	35.58	54	18.42	AV

Fundamental

Frequency	Antenna	Reading	Factor	Results	Limits	Det.
(MHz)	Pol.	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	Mode
914.9	H	86.36	3.01	89.37	94	QP
914.9	V	86.46	3.01	89.47	94	QP

Note: 1. The testing has been conformed to 10*914.90MHz=9149MHz.

2. All other emissions more than 30dB below the limit.
3. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor
Margin=Limit-Emission Level

**Radiated Restricted Band:**

Test Mode: Channel 902.3MHz							
Frequency (MHz)	Read Level (dBuV)	Corr. Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarity H/V	Detector
902	24.77	-2.97	21.8	46	24.2	H	Peak
928	23.47	-2.51	20.96	46	25.04	H	Peak
902	23.83	-2.97	20.86	46	25.14	V	Peak
928	24.67	-2.51	22.16	46	23.84	V	Peak

Test Mode: Channel 914.9MHz							
Frequency (MHz)	Read Level (dBuV)	Corr. Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarity H/V	Detector
902	24.91	-2.97	21.94	46	24.06	H	Peak
928	23.25	-2.51	20.74	46	25.26	H	Peak
902	23.47	-2.97	20.5	46	25.5	V	Peak
928	24.53	-2.51	22.02	46	23.98	V	Peak

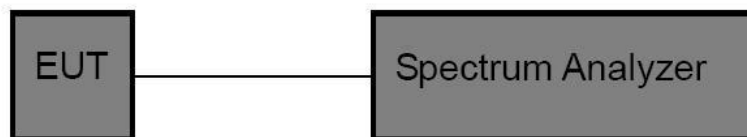


8. 20dB Bandwidth Test

8.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.215
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8.2. Test Setup



8.3. Test Procedure

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as:
RBW = 1% to 5% of the OBW, $VBW \geq 3 \times RBW$,
Detector= Average
Trace mode= Max hold.
Sweep- auto couple.
4. Mark the peak frequency and -20dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

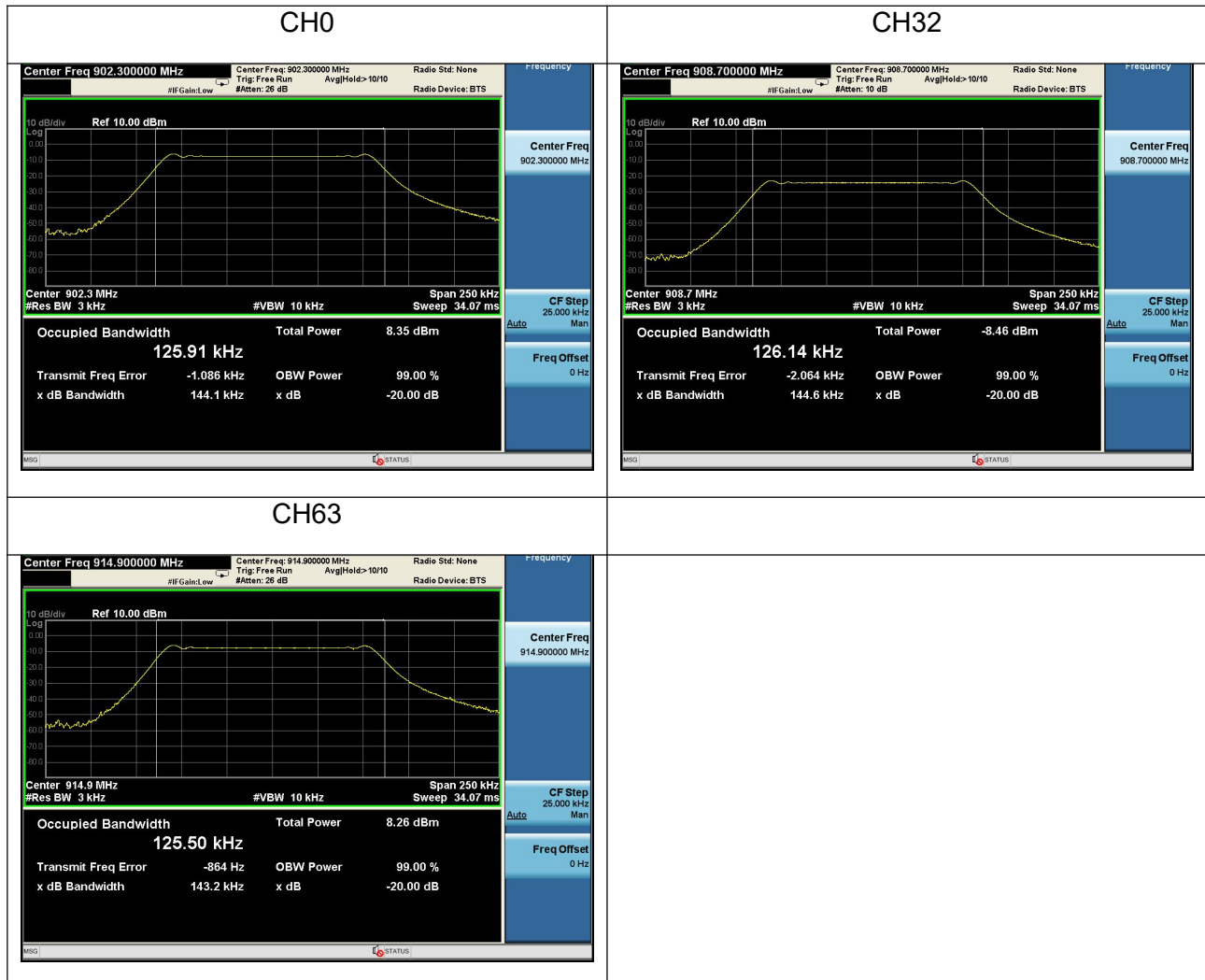
8.4. Test Data

Test Item	:	20dB Bandwidth	Test Mode	:	Mode 1/2/3
Test Voltage	:	DC3.6V	Temperature	:	22.4℃
Test Result	:	PASS	Humidity	:	55%RH



Channel	Frequency (MHz)	20dB Bandwidth(kHz)	Modulation	Result
CH0	902.3	144.1	FSK	PASS
CH32	908.7	144.6	FSK	PASS
CH63	914.9	143.2	FSK	PASS

Test Graphs:





9. Antenna Requirement

9.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	1) 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.

9.2. Antenna Connected Construction

The antenna is FPC antenna which permanently attached, and the best case gain of the antenna is 1.34 dBi. It complies with the standard requirement.

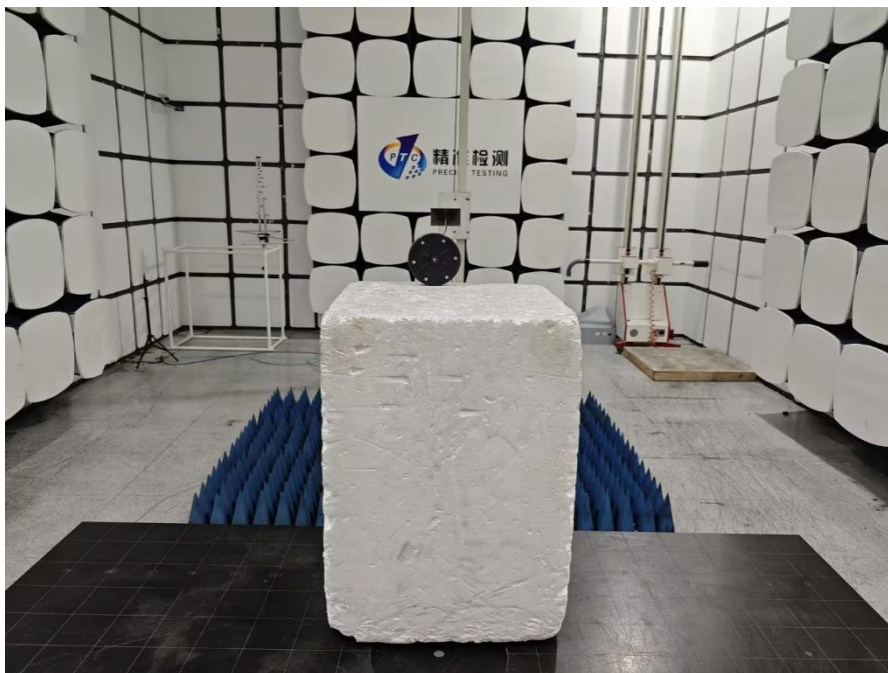
10. Test Setup

Radiated Spurious Emissions

Test Frequency From 30MHz to 1GHz



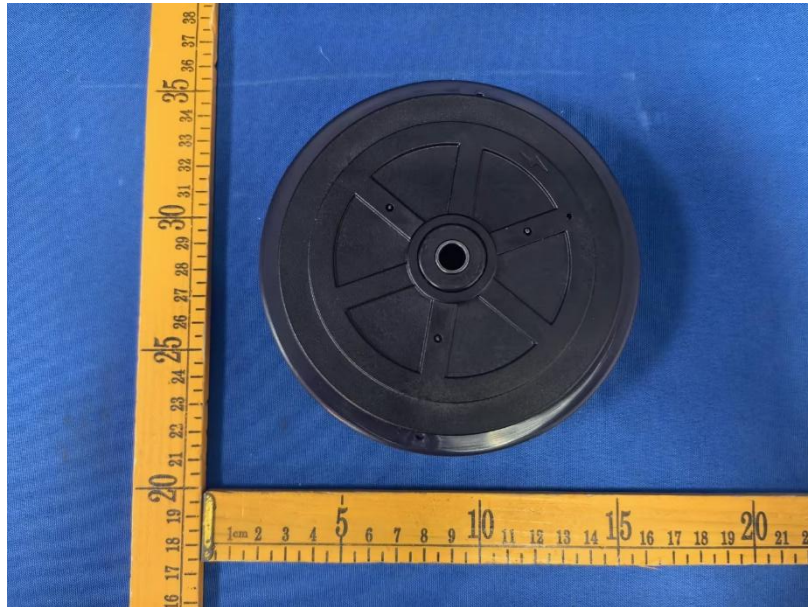
Test frequency from Above 1GHz

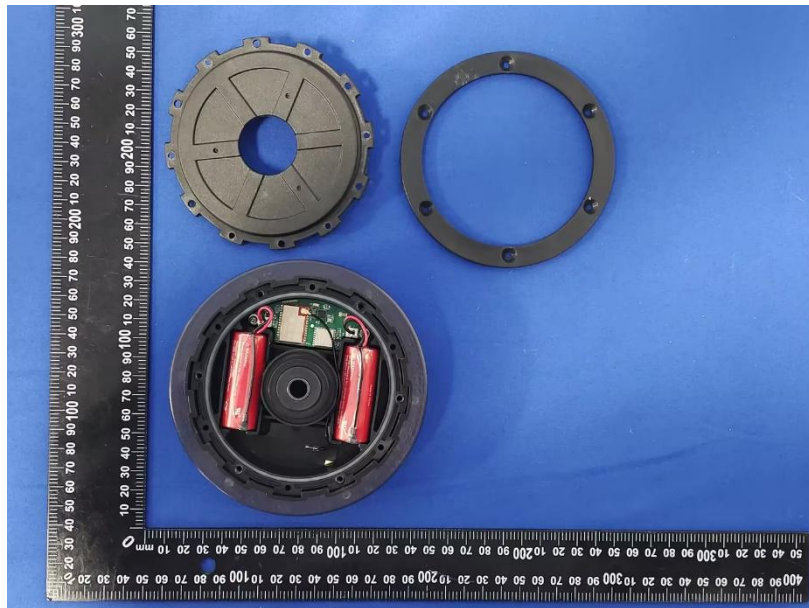


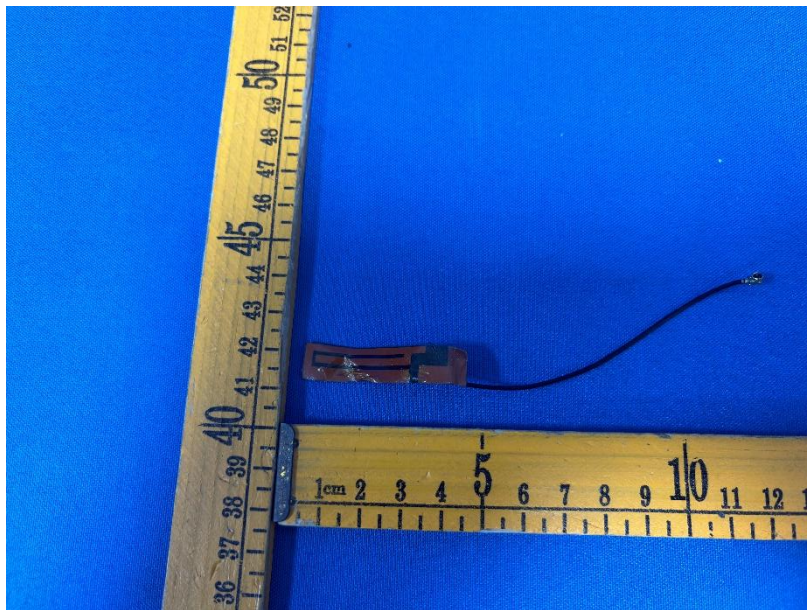
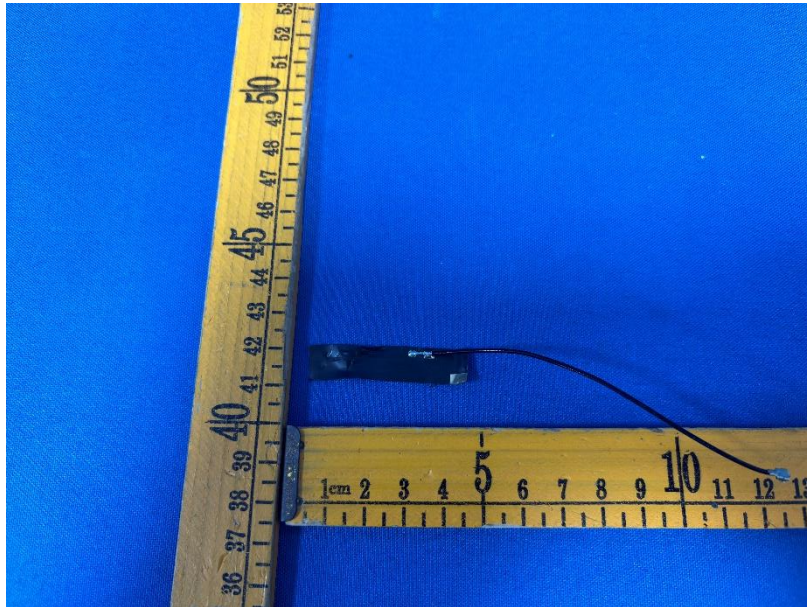
11. EUT Photos

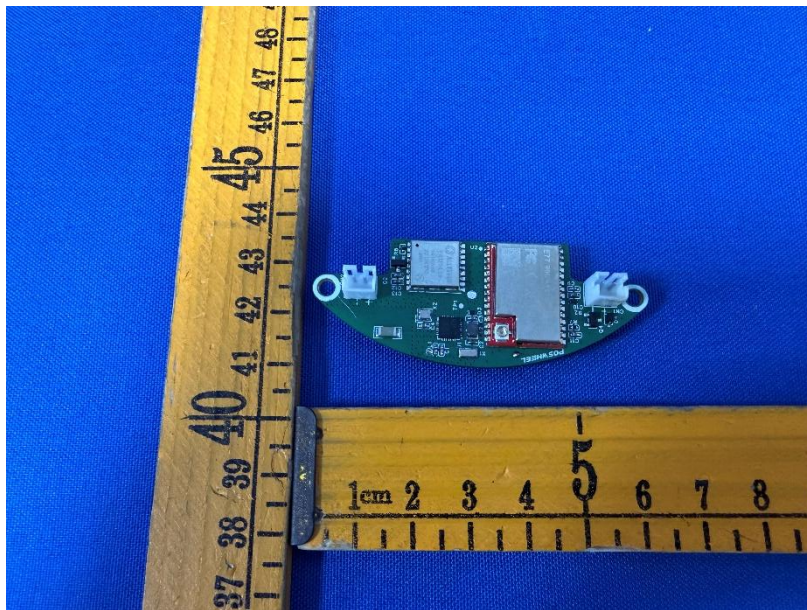


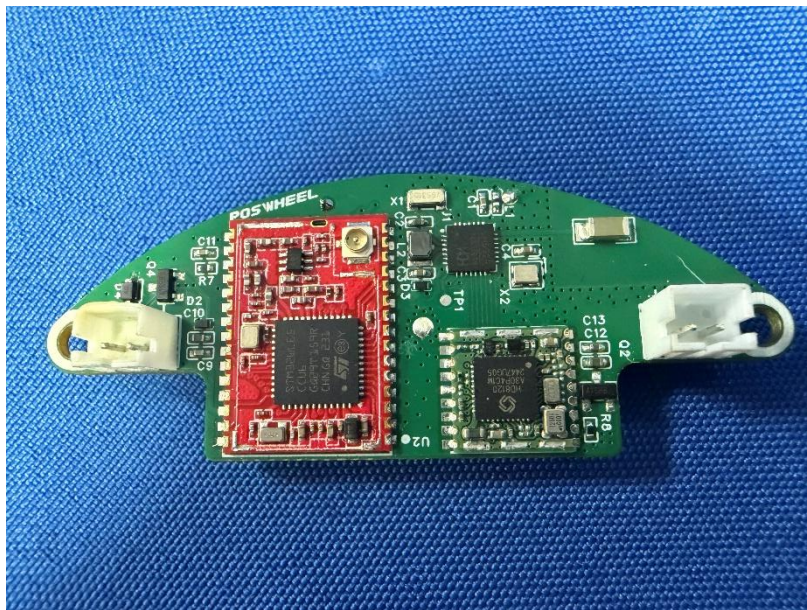
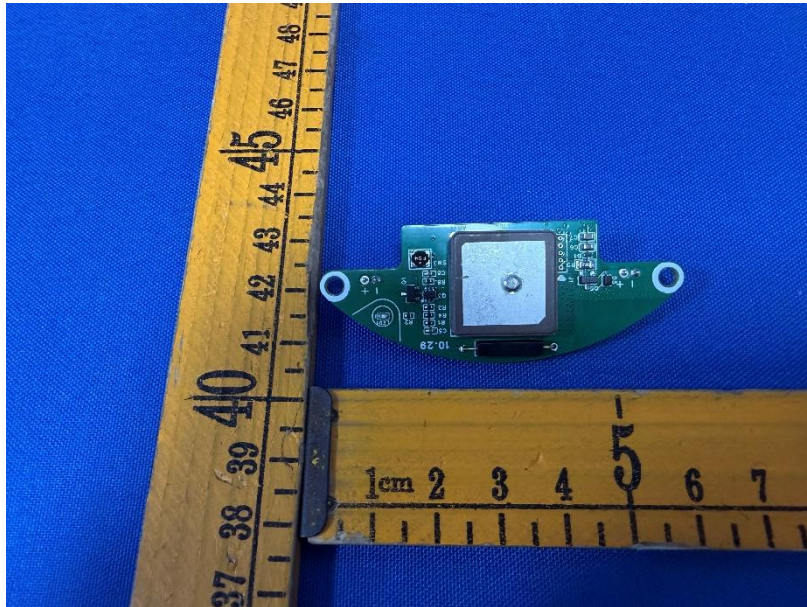


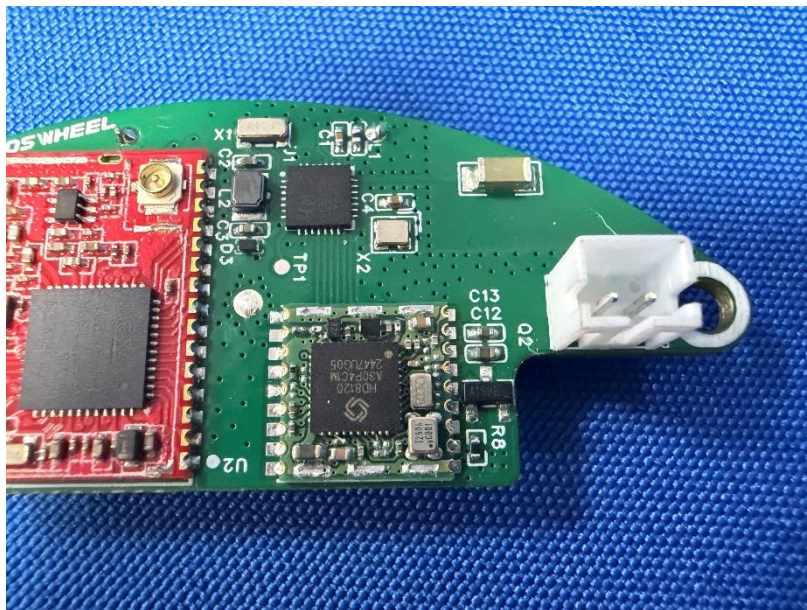
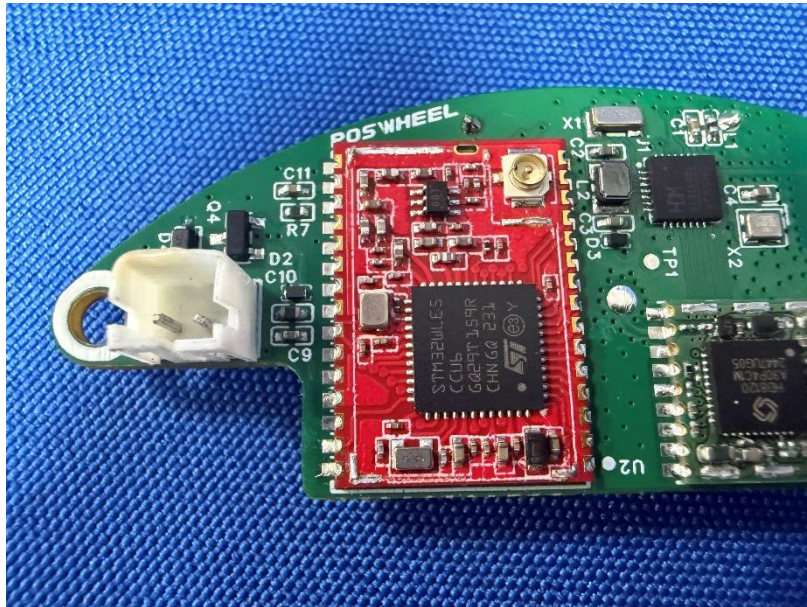


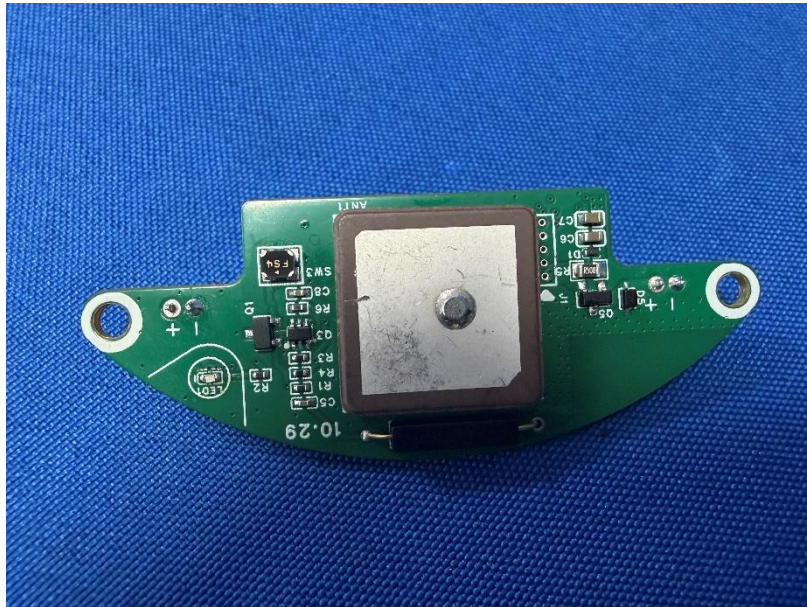












*******THE END REPORT*******