

# TEST REPORT

<b>FCC ID.</b> .....	2AIGY-C10G
<b>Test Report No.</b> .....	TCT240902E016
<b>Date of issue</b> .....	Sep. 05, 2024
<b>Testing laboratory</b> .....	SHENZHEN TONGCE TESTING LAB
<b>Testing location/ address:</b>	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China
<b>Applicant's name</b> .....	Dongguan Saftire Auto Safety Technology Co., Ltd
<b>Address</b> .....	1, 3rd Floor, Small technology companies Pioneer Park, Songshan Lake, DongGuan, China
<b>Manufacturer's name</b> .....	Dongguan Saftire Auto Safety Technology Co., Ltd
<b>Address</b> .....	1, 3rd Floor, Small technology companies Pioneer Park, Songshan Lake, DongGuan, China
<b>Standard(s)</b> .....	FCC CFR Title 47 Part 15 Subpart C Section 15.231
<b>Product Name</b> .....	Tire pressure sensor
<b>Trade Mark</b> .....	N/A
<b>Model/Type reference</b> .....	C10G, T02W, T03W, T05F, T07W, T08W, T10W, T10W-B, T03G, T09-A, T09-B, T09-C, T09-D, T04Z, T12S, T12A, T12B, T12C, T06E-J, T06E-B, Z01, C05WB, C10G-B, C15W, C15, C15-B, C16-A, C16-B, M01-A, M01-B, M01-C
<b>Rating(s)</b> .....	DC 3V
<b>Date of receipt of test item</b> .....	Sep. 02, 2024
<b>Date (s) of performance of test</b> .....	Sep. 02, 2024 ~ Sep. 05, 2024
<b>Tested by (+signature)</b> .....	Ronaldo LUO
<b>Check by (+signature)</b> .....	Beryl ZHAO
<b>Approved by (+signature)</b> :	Tomsin

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### Appendix A: Photographs of Test Setup

### Appendix B: Photographs of EUT

## 1. General Product Information

### 1.1. EUT description

Product Name.....	Tire pressure sensor
Model/Type reference.....	C10G
Sample Number.....	TCT240902E0016-0101
Operation Frequency .....	433.92MHz
Modulation Technology .....	FSK
Antenna Type.....	Sheet Metal Antenna
Antenna Gain.....	1dBi
Rating(s).....	DC 3V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

No.	Model No.	Tested with
1	C10G	<input checked="" type="checkbox"/>
Other models	T02W, T03W, T05F, T07W, T08W, T10W, T10W-B, T03G, T09-A, T09-B, T09-C, T09-D, T04Z, T12S, T12A, T12B, T12C, T06E-J, T06E-B, Z01, C05WB, C10G-B, C15W, C15, C15-B, C16-A, C16-B, M01-A, M01-B, M01-C	<input type="checkbox"/>

Note: C10G is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of C10G can represent the remaining models.

## 2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna Requirement	§15.203/§15.247 (c)	PASS
Conduction Emission, 0.15MHz to 30MHz	§15.207	N/A
Manually Activated Transmitter	§15.231(a)	PASS
Radiation Emission	§15.231(b), §15.205, §15.209, §15.35	PASS
Occupied Bandwidth	§15.231(c)	PASS

**Note:**

1. PASS: *Test item meets the requirement.*
2. Fail: *Test item does not meet the requirement.*
3. N/A: *Test case does not apply to the test object.*
4. *The test result judgment is decided by the limit of test standard.*

### 3. General Information

#### 3.1. Test Environment and Mode

Operating Environment:	
Condition	Radiated Emission
Temperature:	25.1 °C
Humidity:	54 % RH
Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation
The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case (Y axis) are shown in Test Results of the following pages.	

#### Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	X	Y	Z
Field Strength(dBuV/m)	52.47	55.31	52.59

#### Final Test Mode:

According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup": Y axis (see the test setup photo)

### 3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

**Note:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

## 4. Facilities and Accreditations

### 4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098  
SHENZHEN TONGCE TESTING LAB.  
Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A  
SHENZHEN TONGCE TESTING LAB  
CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

### 4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China  
TEL: +86-755-27673339

### 4.3. Measurement Uncertainty

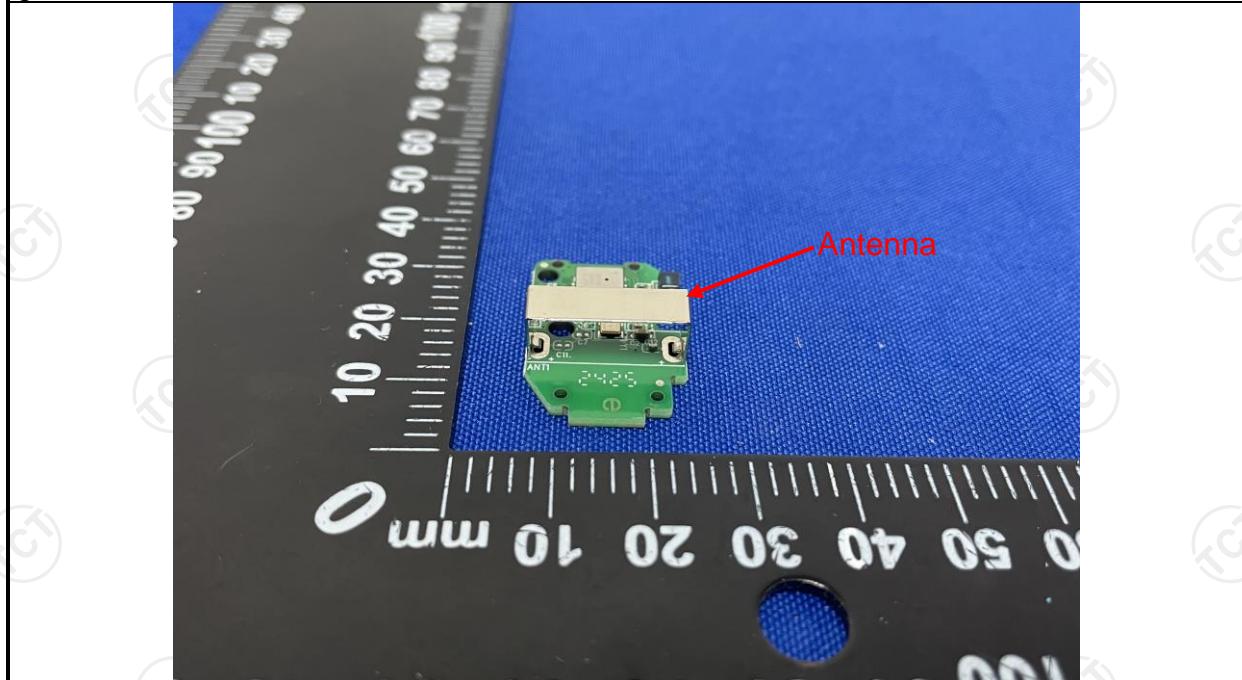
The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	$\pm 3.10$ dB
2	RF power, conducted	$\pm 0.12$ dB
3	Spurious emissions, conducted	$\pm 0.11$ dB
4	All emissions, radiated(<1 GHz)	$\pm 4.56$ dB
5	All emissions, radiated(1 GHz - 18 GHz)	$\pm 4.22$ dB
6	All emissions, radiated(18 GHz- 40 GHz)	$\pm 4.36$ dB
7	Temperature	$\pm 0.1^\circ\text{C}$
8	Humidity	$\pm 1.0\%$

## 5. Test Results and Measurement Data

### 5.1. Antenna Requirement

<b>Standard requirement:</b>	FCC Part15 C 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(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.	
<b>E.U.T Antenna:</b>	
The antenna is sheet metal antenna which permanently attached, and the best case gain of the antenna is 1dBi.	



## 5.2. Conducted Emission

### 5.2.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.207														
<b>Test Method:</b>	ANSI C63.4:2014														
<b>Frequency Range:</b>	150 kHz to 30 MHz														
<b>Receiver setup:</b>	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
<b>Limits:</b>	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	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
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													
<b>Test Setup:</b>	<p>Reference Plane</p> <p>Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
<b>Test Mode:</b>	Transmitting Mode														
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.</li> </ol>														
<b>Test Result:</b>	N/A; Because the EUT is powered by the battery, so the item is not applicable.														

### 5.3. Radiated Emission Measurement

#### 5.3.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.231(a) and 15.209				
<b>Test Method:</b>	ANSI C63.4: 2014 and ANSI C63.10:2013				
<b>Frequency Range:</b>	9 kHz to 5 GHz				
<b>Measurement Distance:</b>	3 m				
<b>Antenna Polarization:</b>	Horizontal & Vertical				
<b>Receiver Setup:</b>	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber in below 1GHz, 1.5m above the ground in above 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>3. 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.</li> <li>4. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>6. 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> </ol>				

<b>Test setup:</b>	<p>For radiated emissions below 30MHz</p>
	<p>30MHz to 1GHz</p>
	<p>Above 1GHz</p>
	<p><b>Test Mode:</b> Refer to Item 3.1</p> <p><b>Test results:</b> PASS</p>

### 5.3.2. Limit

Fundamental Frequency (MHz)	Filed Strength of Fundamental (microvolts/meter)	Filed Strength of Spurious Emission (microvolts/meter)
40.66-40.70	2250	225
70-130	1250	125
130-174	1250 to 3750*	125 to 375*
174-260	3750	375
260-470	3750 to 12500*	375 to 1250*
Above 470	12500	1250
Horn Antenna	Schwarzbeck	BBHA 9120D

\*Linear interpolations

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows:  
For the band 130-174 MHz,  $\mu\text{V/m}$  at 3 meters =  $56.81818(F) - 6136.3636$ ;  
for the band 260-470 MHz,  $\mu\text{V/m}$  at 3 meters =  $41.6667(F) - 7083.3333$ . The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.]

### For EUT

Fundamental Frequency (MHz)	Filed Strength of Fundamental (dB $\mu\text{V/m}$ )	Filed Strength of Spurious Emission(dB $\mu\text{V/m}$ )
433.92	80.83	60.83

**Note:**

1. Intentional radiators operating under the provisions of this Section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions.
2. According to 15.35, on any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function and related measurement bandwidths, 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.
3. According to 15.231(b), The limits on the field strength of the spurious emissions in the above table is based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in Section 15.209, whichever limit permits one higher field strength.

**Frequencies in restricted band are complied to limit on Paragraph 15.209**

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
0.009-0.490	3	20log 2400/F (kHz) + 80
0.490-1.705	3	20log 24000/F (kHz) + 40
1.705-30	3	20log 30 + 40
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

**Note:**

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
4. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
5. If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula  $Ld1 = Ld2 * (d2/d1)$

### 5.3.3. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESCI7	100529	Jan. 31, 2025
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 31, 2025
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Jan. 31, 2025
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025
Coaxial cable	SKET	RE-03-D	/	Jun. 26, 2025
Coaxial cable	SKET	RE-03-M	/	Jun. 26, 2025
Coaxial cable	SKET	RE-03-L	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-D	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-M	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025
Antenna Mast	Keleto	RE-AM	/	/
EMI Test Software	EZ EMC	FA-03A2 RE+	1.1.4.2	/

### 5.3.4. Test Data

#### Duty Cycle Test Data:

433.92MHz:

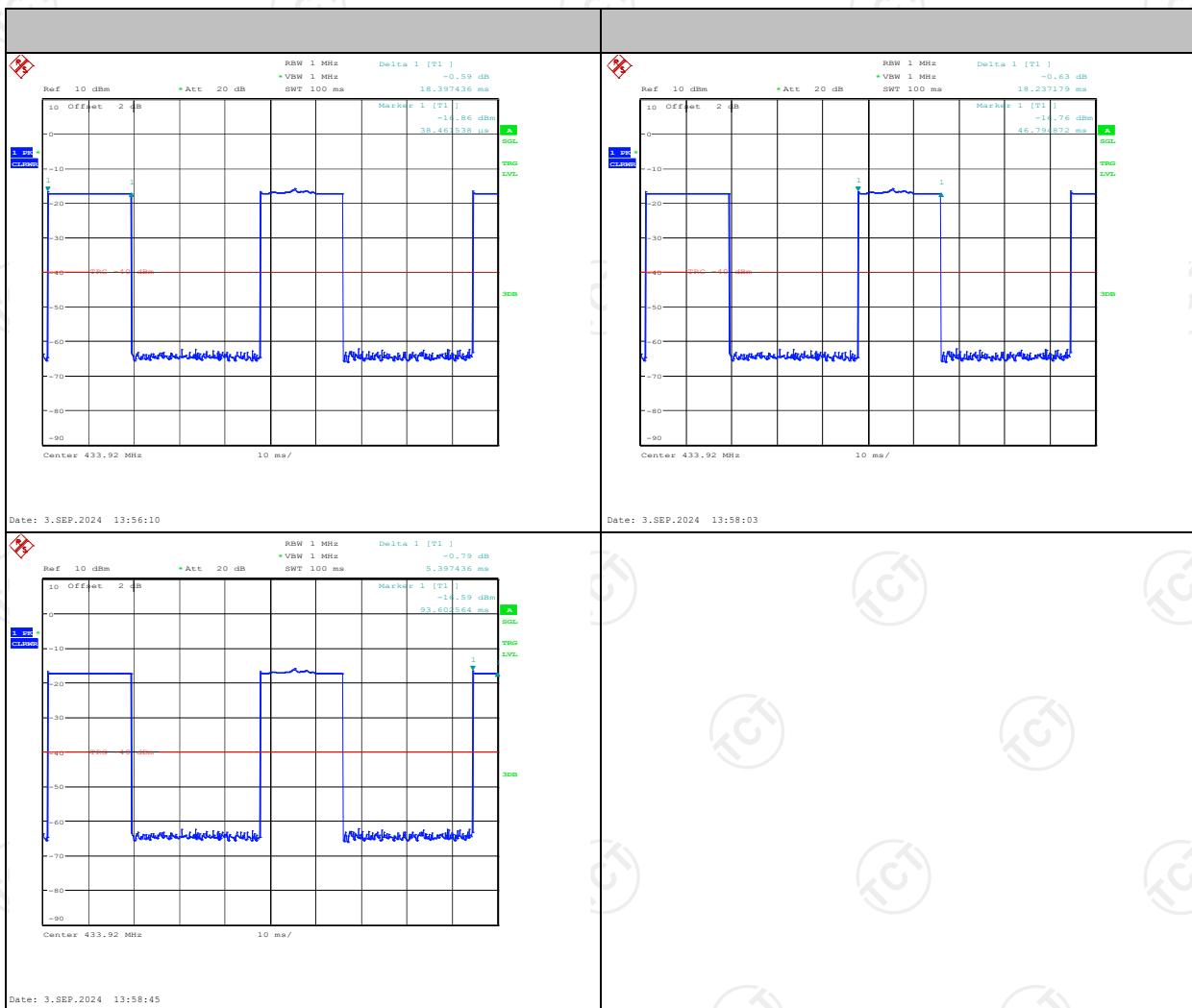
Total time(ms)	Effective time(ms)	Duty Cycle	AV Factor(dB)
100	42.04	0.42	-7.53

#### Note:

$$\text{Effective time} = 18.40 * 1 + 18.24 * 1 + 5.40 * 1 = 42.04 \text{ms}$$

$$\text{Duty Cycle} = \text{Effective time} / \text{Total time} = 0.42$$

$$\text{AV Factor} = 20 \log(\text{Duty Cycle}) = -7.53$$



**Field Strength of Fundamental**

Frequency (MHz)	Emission PK (dBuV/m)	Horizontal /Vertical	Limits PK (dBuV/m)	Margin (dB)
433.92	71.39	H	100.83	-29.44
433.92	70.18	V	100.83	-30.65

Frequency (MHz)	Emission PK (dBuV/m)	AV Factor(dB)	Horizontal /Vertical	Emission AVG (dBuV/m)	Limits AV (dBuV/m)	Margin (dB)
433.92	71.39	-7.53	H	63.86	80.83	-16.97
433.92	70.18	-7.53	V	62.65	80.83	-18.18

**Harmonics and Spurious Emissions**

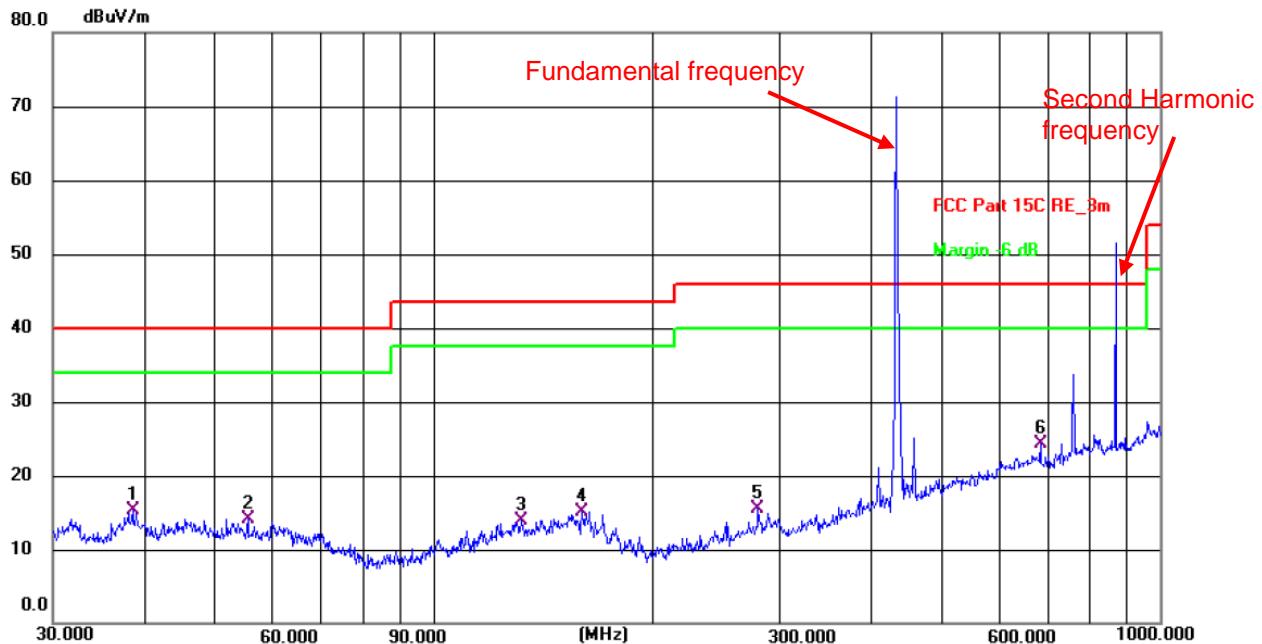
**Frequency Range (9 kHz-30MHz)**

Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Limit@3m (dB $\mu$ V/m)
--	--	--
--	--	--
--	--	--
--	--	--

**Note:** 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement

**Below 1GHz**



Site 3m Anechoic Chamber2

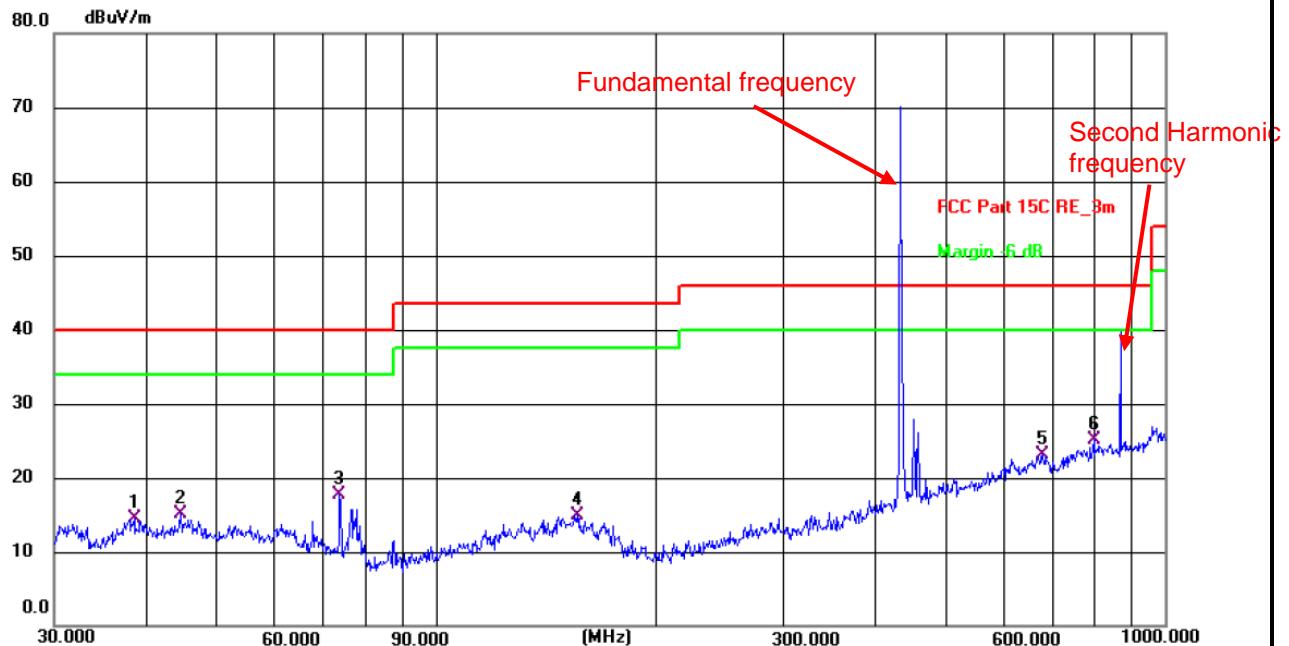
Polarization: **Horizontal**

Temperature: 25.1(C) Humidity: 54 %

Limit: FCC Part 15C RE\_3m

Power: DC 3V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	38.6160	33.88	-18.56	15.32	40.00	-24.68	QP	P	
2	55.6092	33.01	-18.88	14.13	40.00	-25.87	QP	P	
3	132.2204	32.16	-18.35	13.81	43.50	-29.69	QP	P	
4	160.3454	32.37	-17.17	15.20	43.50	-28.30	QP	P	
5	280.0237	33.31	-17.83	15.48	46.00	-30.52	QP	P	
6 *	684.7453	32.84	-8.50	24.34	46.00	-21.66	QP	P	



Site 3m Anechoic Chamber2

 Polarization: **Vertical**

Temperature: 25.1(C) Humidity: 54 %

Limit: FCC Part 15C RE\_3m

Power: DC 3V

No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	P/F	Remark
1	38.6160	33.16	-18.56	14.60	40.00	-25.40	QP	P	
2	44.7433	33.62	-18.59	15.03	40.00	-24.97	QP	P	
3	73.8756	38.55	-20.88	17.67	40.00	-22.33	QP	P	
4	156.4576	31.89	-16.97	14.92	43.50	-28.58	QP	P	
5	679.9600	31.56	-8.43	23.13	46.00	-22.87	QP	P	
6 *	798.9796	31.74	-6.68	25.06	46.00	-20.94	QP	P	

**Note:** 1. Freq. = Emission frequency in MHz

 Measurement (dB $\mu$ V/m) = Reading level (dB $\mu$ V) + Corr. Factor (dB)

Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

 Limit (dB $\mu$ V/m) = Limit stated in standard

 Margin (dB) = Measurement (dB $\mu$ V/m) – Limits (dB $\mu$ V/m)

\* is meaning the worst frequency has been tested in the test frequency range second harmonic

 2. The limit value of the fundamental frequency is 100.83dB $\mu$ V/m.

 The limit value of the Second Harmonic frequency is 60.83dB $\mu$ V/m.

**Above 1GHz (PK value)**

Frequency PK Value (MHz)	Read Level PK (dBuV)	Correction Factor (dB/m)	Level PK (dBuV/m)	Limit Line PK (dBuV/m)	Over Limit (dB)	Polarization
1301.76	62.83	-18.59	44.24	80.83	-36.59	Vertical
1735.68	53.12	-18.14	34.98	80.83	-45.85	Vertical
2169.60	52.26	-17.61	34.65	80.83	-46.18	Vertical
2603.52	48.28	-16.45	31.83	80.83	-49.00	Vertical
3037.44	47.75	-14.84	32.91	80.83	-47.92	Vertical
3471.36	46.37	-14.17	32.20	80.83	-48.63	Vertical
1301.76	59.56	-18.59	40.97	80.83	-39.86	Horizontal
1735.68	55.84	-18.14	37.70	80.83	-43.13	Horizontal
2169.60	54.40	-17.61	36.79	80.83	-44.04	Horizontal
2603.52	53.91	-16.45	37.46	80.83	-43.37	Horizontal
3037.44	54.40	-14.84	39.56	80.83	-41.27	Horizontal
3471.36	52.06	-14.17	37.89	80.83	-42.94	Horizontal

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (dB $\mu$ V/m)- limit (dB $\mu$ V/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
5. Data of measurement shown “\*” in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

## 5.4. Manually Activated Transmitter

### 5.4.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.231(a)(1)
<b>Test Method:</b>	ANSI C63.10: 2013
<b>Limit:</b>	According to 15.231(a), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.
<b>Test Procedure:</b>	<ol style="list-style-type: none"><li>1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT.</li><li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li><li>3. Use the following spectrum analyzer settings. VBW = 1MHz, <math>VBW \geq RBW</math>; Span = 0; Sweep Time &gt; <math>T(\text{on}) + 5S</math>; Detector function = peak;</li><li>4. Measure and record the results in the test report.</li></ol>
<b>Test setup:</b>	 <p>The diagram illustrates the test setup. A green Spectrum Analyzer with a blue screen is connected to a yellow EUT (Equipment Under Test) via a cable. A switch is placed on the cable between the two devices. The Spectrum Analyzer is labeled "Spectrum Analyzer" and the EUT is labeled "EUT".</p>
<b>Test Mode:</b>	Refer to Item 3.1
<b>Test results:</b>	PASS

## 5.4.2. Test Instruments

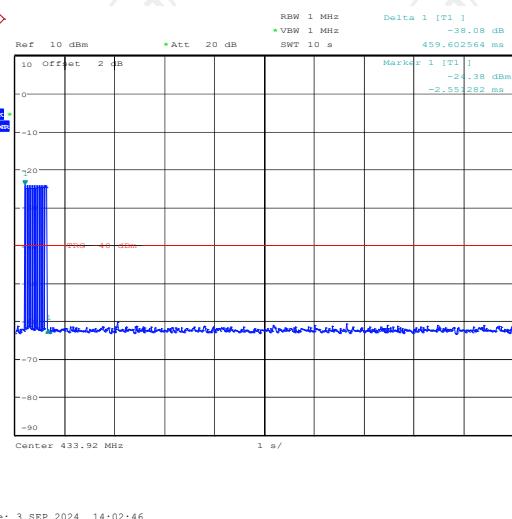
RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025

### 5.4.3. Test data

Test Channel (MHz)	Manually Activated Transmitter (s)	Limit (s)	Conclusion
433.92	0.46	5	PASS

Test plots as follows:

433.92MHz



## 5.5. Occupied Bandwidth

### 5.5.1. Test Specification

## 5.5.2. Test Instruments

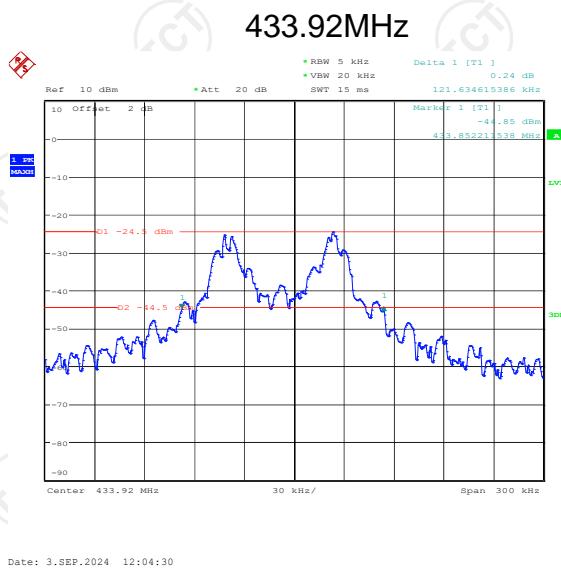
RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025

### 5.5.3. Test data

Test Channel (MHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
433.92	121.63	1084.80	PASS

**Note:** Limit = 433.92MHz \*0.25% = 1084.80 kHz

Test plots as follows:



## Appendix A: Photographs of Test Setup

Product: Tire pressure sensor

Model: C10G

Radiated Emission



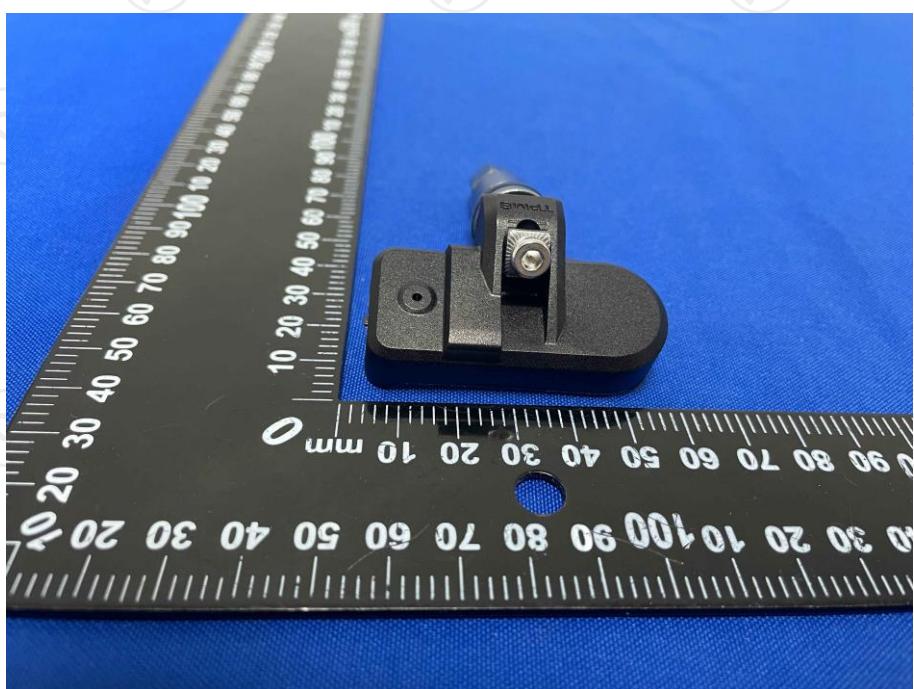
**Appendix B: Photographs of EUT**

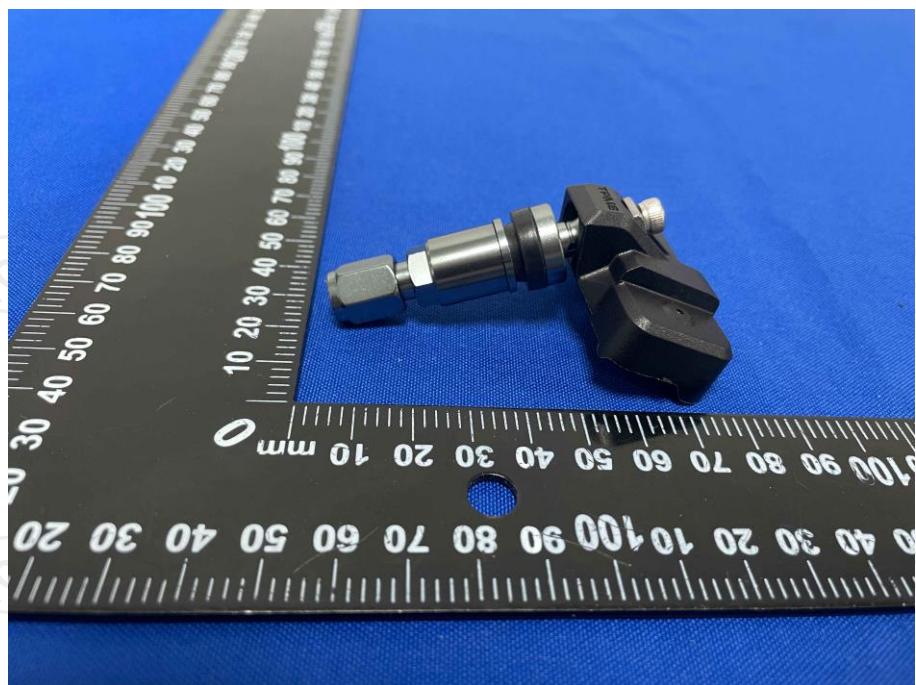
**Product: Tire pressure sensor**

**Model: C10G**

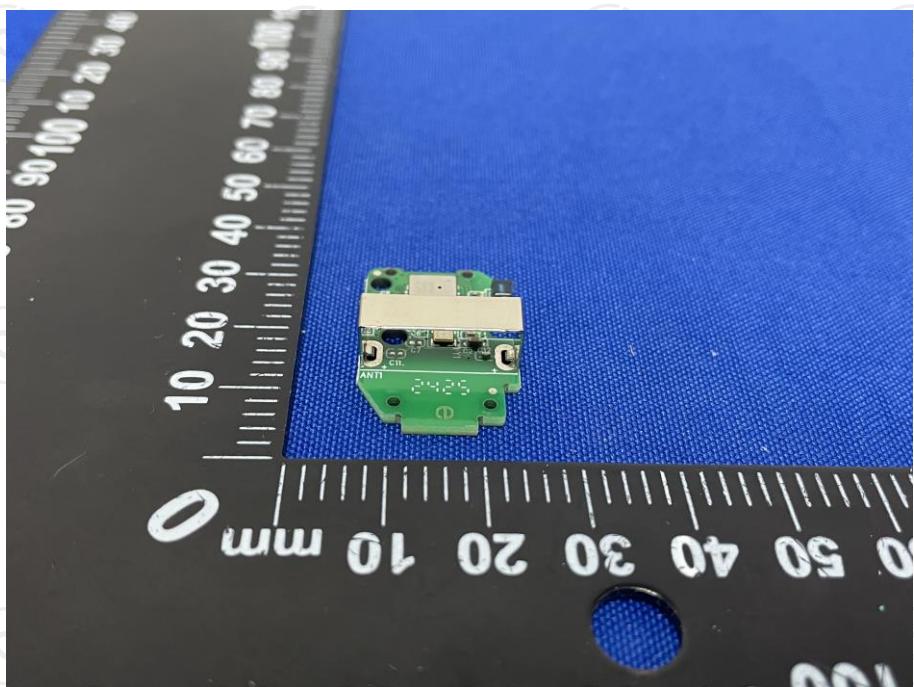
**External Photos**

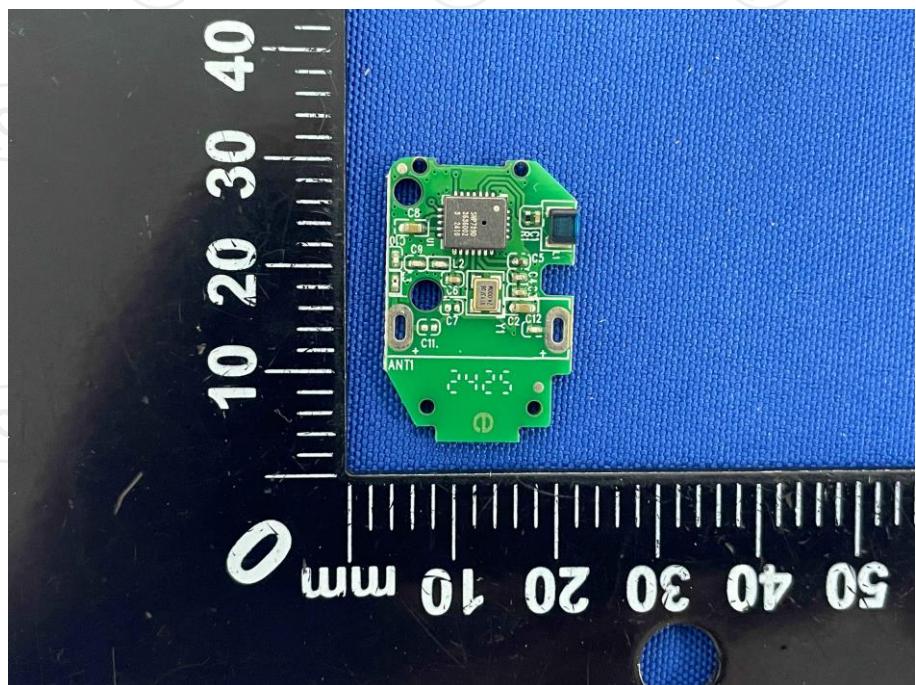
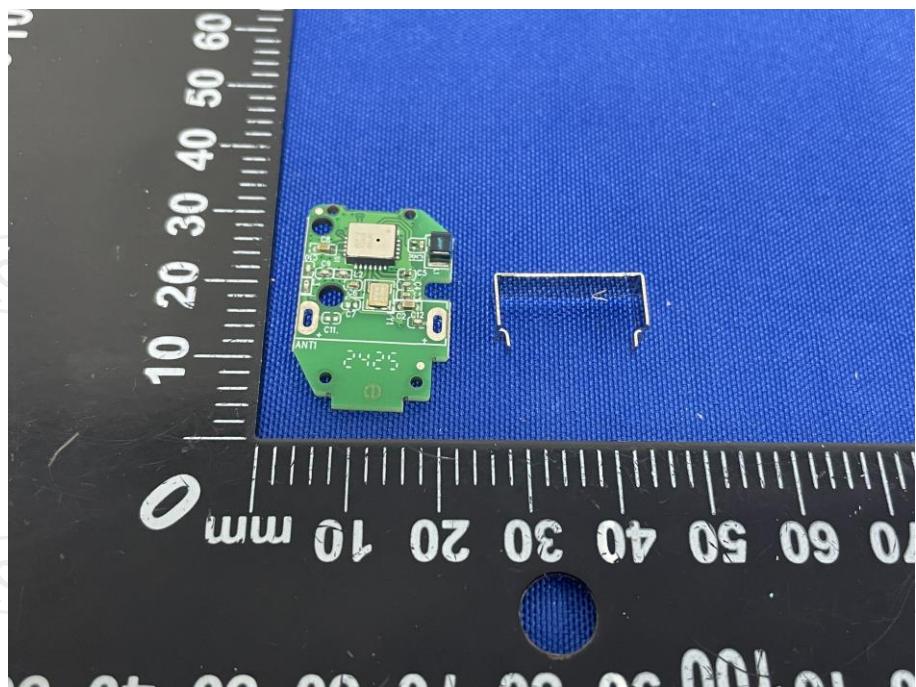


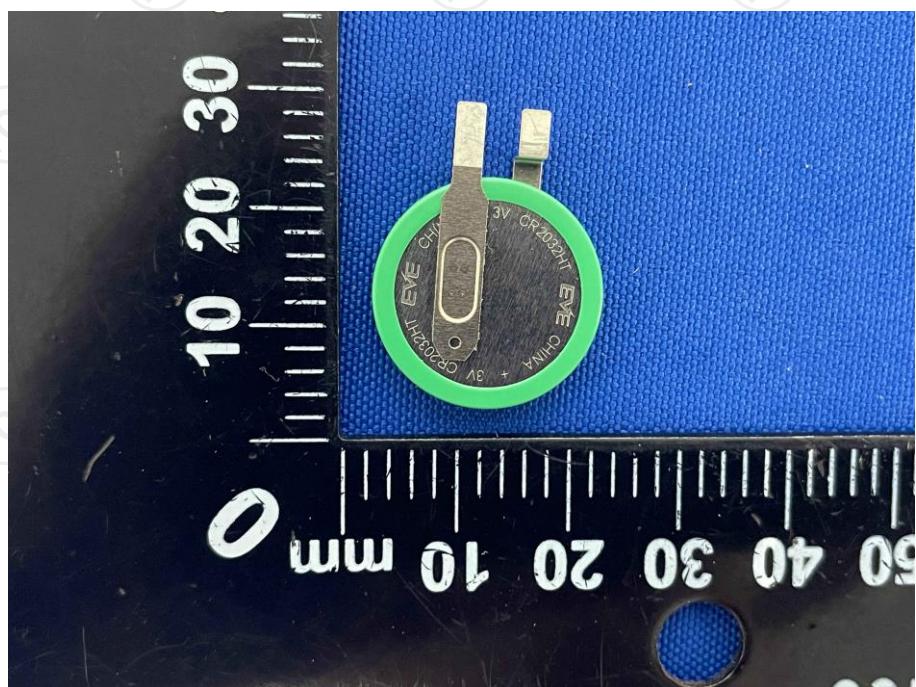
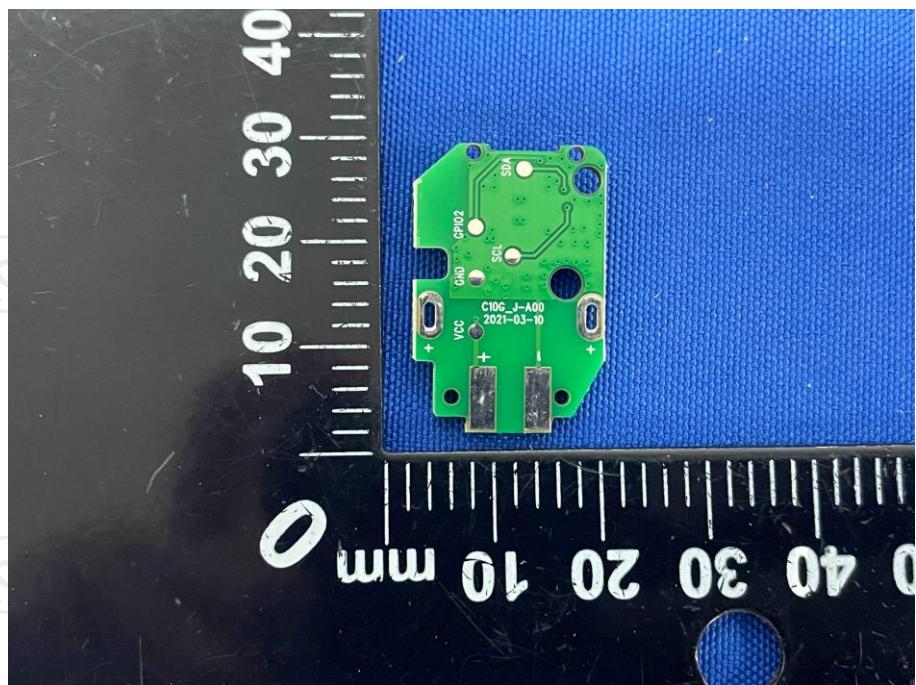


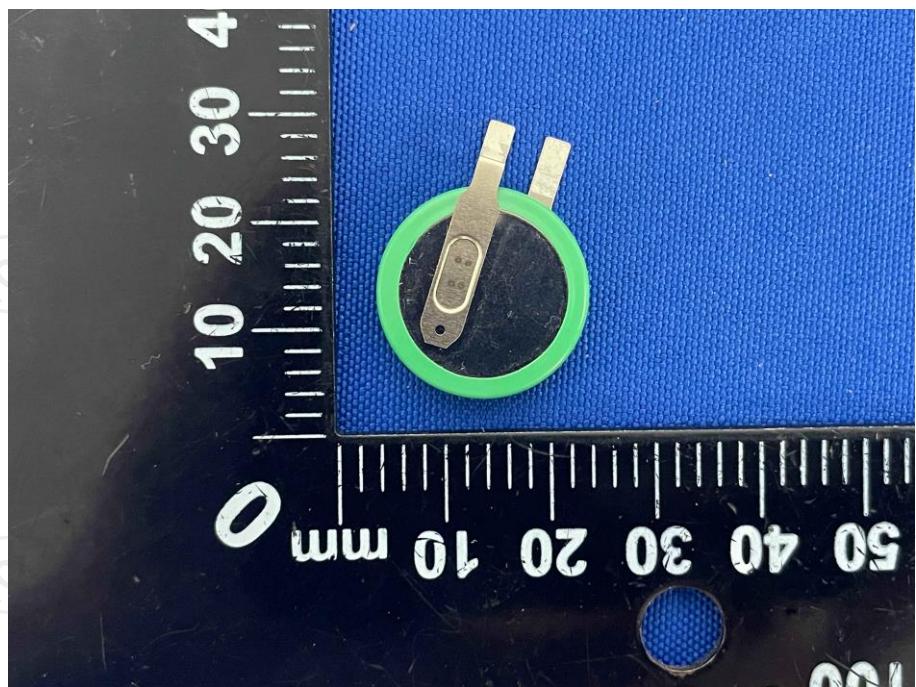


**Product: Tire pressure sensor  
Model: C10G  
Internal Photos**









\*\*\*\*\***END OF REPORT**\*\*\*\*\*