



Test report No:  
22C0153R-RF-US-P06V01

# FCC TEST REPORT

Product Name	SENSOR ASM-TIRE PRESS IND
Trademark	SGMW
Model and /or type reference	TPMS-00-01
FCC ID	2AVYX-TMSS6A4
Applicant's name / address	SAIC GM WULING AUTOMOBILE COMPANY LIMITED 18th,Hexi Road,Liuzhou City, Guangxi Zhuang Autonomous Region, China
Test method requested, standard	CFR 47, FCC Part 15 C ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Testedby (name / position & signature)	Tim Cao/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2023-04-04
Report Version	V1.1
Report template No	Template_FCC 15.231-RF-V1.0

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## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:**No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Dec. 08, 2022
Date (start test)	Dec. 20, 2022
Date (finish test)	Feb. 03, 2023

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
$U_N$	: Nominal voltage
$T_x$	: Transmitter
$R_x$	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

## DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
22C0153R-RF-US-P06V01	V1.0	Initial issue of report.	2023-03-14
22C0153R-RF-US-P06V01	V1.1	Modified Page 7 page calibration date, as well as all setup images, and Bandwidth and Duration Time test results, V1.0 is out of date.	2023-04-04

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with CFR 47, FCC Part 15 C, ANSI C63.10:2013.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1.1 General Description of the Item(s);
  - Chapter 1.2 Antenna Information
  - Chapter 1.3 Channel List.

## USED EQUIPMENT

### Radiated Emission(30MHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2022.09.17	2023.09.16
Loop Antenna	R&S	HFH2-Z2	833799/003	2022.04.15	2023.04.14
Bilog Antenna	Teseq GmbH	CBL6112D	27613	2022.08.28	2023.08.27
Temperature/Humidity Meter	RTS	RTS-8S	AC3-TH	2022.07.07	2023.07.06
Coaxial Cable	Huber+Suhner	RG 214	AC3-C	2022.03.21	2023.03.20
Dekra test software	Dekra	-	-	-	-

### Radiated Emission(1GHz-40GHz) / AC5

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EXA Spectrum Analyzer	Keysight	N9010A	MY48030494	2022.12.08	2023.12.07
Pre-Amplifier	SKET	LNPA_0118G-45	SK2021090101	2022.07.15	2023.07.14
Preamplifier	CHENGYI	EMC184045SE	980263	2022.05.21	2023.05.20
DRG Horn	ETS-Lindgren	3117	00167055	2022.08.29	2023.08.28
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2022.05.19	2023.05.18
Loop Antenna	R&S	HFH2-Z2	833799/003	2022.04.15	2023.04.14
Temperature/Humidity Meter	RTS	RTS-8S	AC5-TH	2022.07.07	2023.07.06
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2022.03.21	2023.03.20
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2022.03.21	2023.03.20
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2022.03.21	2023.03.20
Dekra test software	Dekra	-	-	-	-

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%. The Uncertainties is comply with standard required as below.

Test item	Uncertainty
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.50 dB 300MHz~1GHz: 3.60 dB Vertical: 30MHz~200MHz: 3.60 dB 300MHz~1GHz: 3.50 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB
Occupied Bandwidth	$\pm 1$ kHz
Time	N/A



# 1 GENERAL INFORMATION

## 1.1 General Description of the Item(s)

Product Name..... :	SENSOR ASM-TIRE PRESS IND
Model No. .... :	TPMS-00-01
FCC ID ..... :	2AVYX-TMSS6A4
Software Version..... :	V1.3
Hardware Version ..... :	V1.0
Manufacturer..... :	SAIC GM WULING AUTOMOBILE COMPANY LIMITED
Manufacturer Address..... :	18 <sup>th</sup> ,Hexi Road,Liuzhou City, Guangxi Zhuang Autonomous Region, China
Factory ..... :	SHANGHAI BAOLONG SALES CO.,LTD
Factory Address..... :	5500,Shenzhuan Road,Songjiang,Shanghai201619,China

Wireless specification..... :	N/A
Operating frequency range(s)..... :	433.92MHz
Type of Modulation..... :	FSK
Number of channel..... :	1

Rated power supply .....	Voltage and Frequency	
	<input type="checkbox"/>	AC: 220 - 240 V, 50/60 Hz
	<input type="checkbox"/>	AC: 100 - 240 V, 50/60 Hz
	<input type="checkbox"/>	DC: 3 Vdc
	<input checked="" type="checkbox"/>	Battery: 3 V
	<input type="checkbox"/>	Adapter: .....
Brand of adapter .....	N/A	
Adapter model .....	N/A	
Mounting position..... :	<input type="checkbox"/>	Table top equipment
	<input type="checkbox"/>	Wall/Ceiling mounted equipment
	<input type="checkbox"/>	Floor standing equipment
	<input type="checkbox"/>	Hand-held equipment
	<input checked="" type="checkbox"/>	Other:Vehicle-Munted quipent

## 1.2 Antenna Information

Antenna Delivery .....	<input checked="" type="checkbox"/>	1TX + 1RX	
	<input type="checkbox"/>	2TX + 2RX	
	<input type="checkbox"/>	Others:.....	
Antenna technology .....	<input checked="" type="checkbox"/>	SISO	
	<input type="checkbox"/>	MIMO	<input type="checkbox"/> CDD
			<input type="checkbox"/> Beam-forming
Antenna Type .....	<input type="checkbox"/>	External	<input type="checkbox"/> Dipole
			<input type="checkbox"/> Sectorized
	<input checked="" type="checkbox"/>	Internal	<input type="checkbox"/> FPC
			<input type="checkbox"/> PCB
			<input type="checkbox"/> Metal Monopole Antenna
			<input type="checkbox"/> Ceramic chip
			<input checked="" type="checkbox"/>
Antenna Gain.....	-17.85 dBi		

### 1.3 Channel List

SRD Working Frequency							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	433.92 MHz	--	--	--	--	--	--

Note: The general description of the Item(s) and channel list in clause 1 are provided and confirmed by the client.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

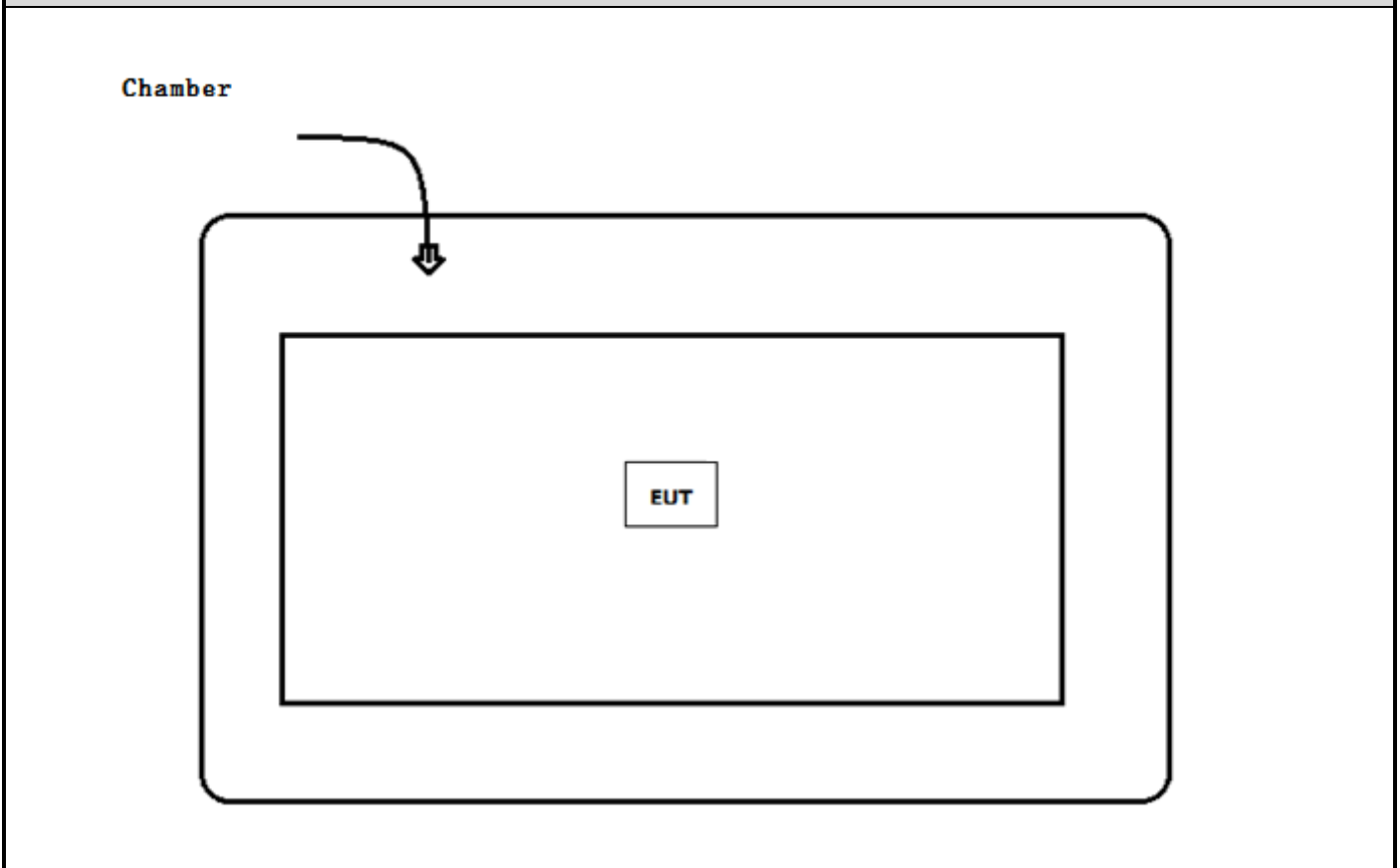
Test Mode	Mode1: Transmit
-----------	-----------------

### 2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
Smar Tool	N/A	SGMW	N/A
Software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

## 2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Radiated Emission



## 2.4 Testing process

1	Setup the EUT shown in Section 2.3.
2	Execute the [Smar Tool] on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart C Section 15.231	2021	Periodic operation in the band 40.66-40.70 MHz and above 70 MHz.
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

#### 3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

### 3.3 Overview of results

Requirement – Test case	Basic standard(s)	Verdict	Remark
Field strength of fundamental	FCC 15.231(b)(1)	PASS	Test data please refer to <b>Appendix A</b>
Field strength of spurious emissions	FCC 15.231(b)(1)(2),FCC 15.209	PASS	Test data please refer to <b>Appendix B</b>
20dB Bandwidth	FCC 15.231(c)	PASS	Test data please refer to <b>Appendix C</b>
Duration Time	FCC 15.231(a)(1)	PASS	Test data please refer to <b>Appendix D</b>

---

### 3.4 Test Facility

USA : FCC Designation Number: CN1199



## 4 TEST RESULTS

### 4.1 Field strength of fundamental

**VERDICT: PASS**

#### 4.1.1 Limit

<b>Standard</b>	FCC Part 15 Subpart C Paragraph 15.231
-----------------	--

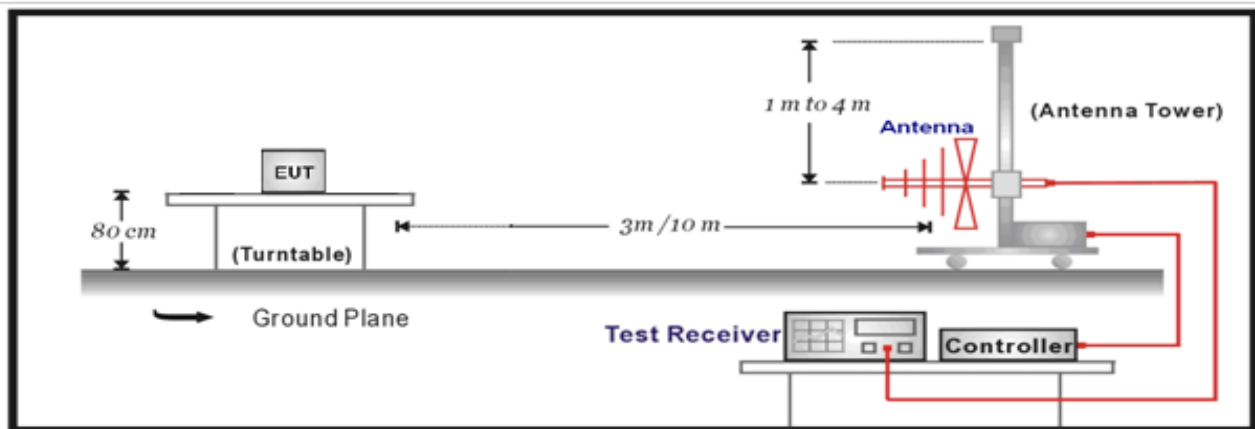
Restricted Bands of operation for FCC

Fundamental frequency (MHz)	Field strength of fundamental ( $\mu$ V/m)	Field strength of fundamental (dB $\mu$ V/m)
40.66-40.70	2250	67.04
70-130	1250	61.93
130-174	1250-3750	61.93-71.48 <sup>1)</sup>
174-260	3750	71.48
260-470	3750-12500	71.48-81.93 <sup>1)</sup>
Above 470	12500	81.93

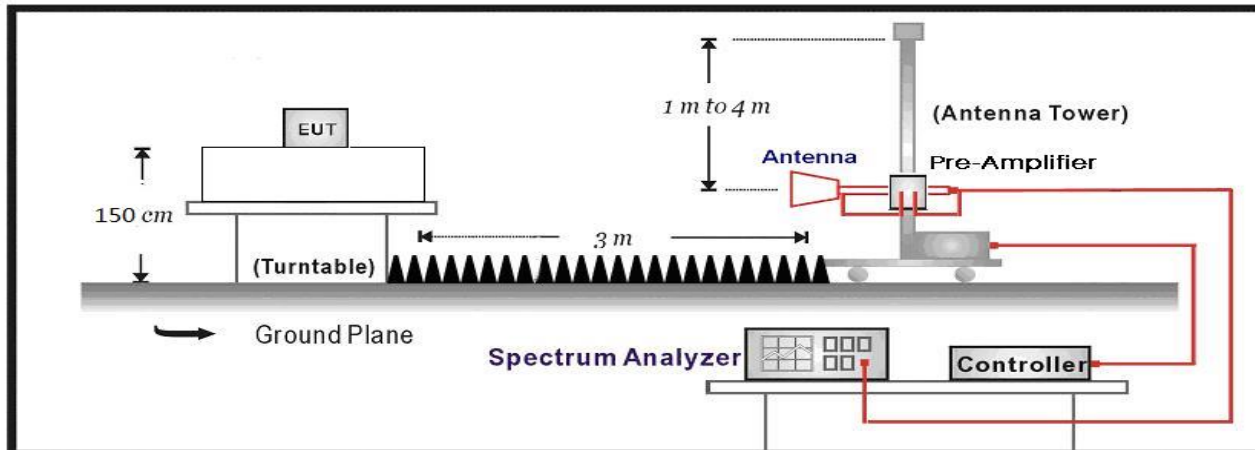
 Note<sup>1)</sup>: Linear interpolations

### 4.1.2 Test Setup

30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



### 4.1.3 Test Procedure

	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.12	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.1	Radiated emission measurements
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.2.7	Radiated spurious emission test
	<input checked="" type="checkbox"/> ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

**4.2 Field strength of spurious emissions****VERDICT: PASS****4.2.1 Limit**

Standard	FCC 15.231(b)(1)(2), FCC 15.209	
FCC 15.231		
Fundamental frequency (MHz)	Field strength of spurious emission ( $\mu$ V/m)	Field strength of spurious emission (dB $\mu$ V/m)
40.66-40.70	225	47.04
70-130	125	41.93
130-174	125-375	41.93-51.48 <sup>(Note 1)</sup>
174-260	375	51.48
260-470	375-1250	51.48-61.93 <sup>(Note 1)</sup>
Above 470	1250	61.93

**Note 1: Linear interpolations**

The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.

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. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in §15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

The limits on the field strength of the spurious emissions in the above table are 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 §15.209, whichever limit permits a higher field strength.

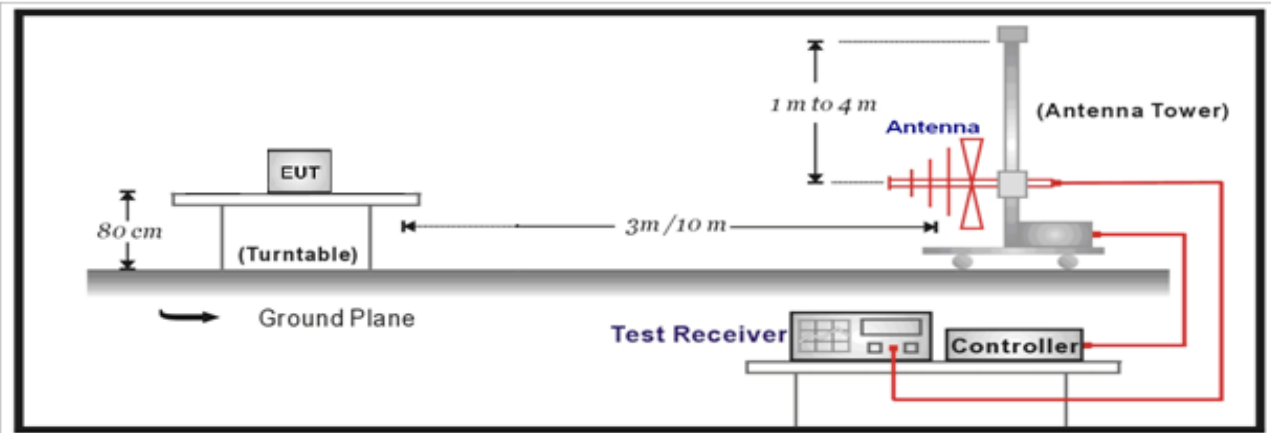
FCC 15.209			
Frequency (MHz)	Field strength ( $\mu$ V/m)	Field strength (dB $\mu$ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 <sub>(Note 1)</sub>
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 <sub>(Note 1)</sub>
1.705 - 30	30	29.5	30 <sub>(Note 1)</sub>
30 -88	100	40	3 <sub>(Note 2)</sub>
88-216	150	43.5	3 <sub>(Note 2)</sub>
216 - 960	200	46	3 <sub>(Note 2)</sub>
Above 960	500	54	3 <sub>(Note 2)</sub>

Note 2: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

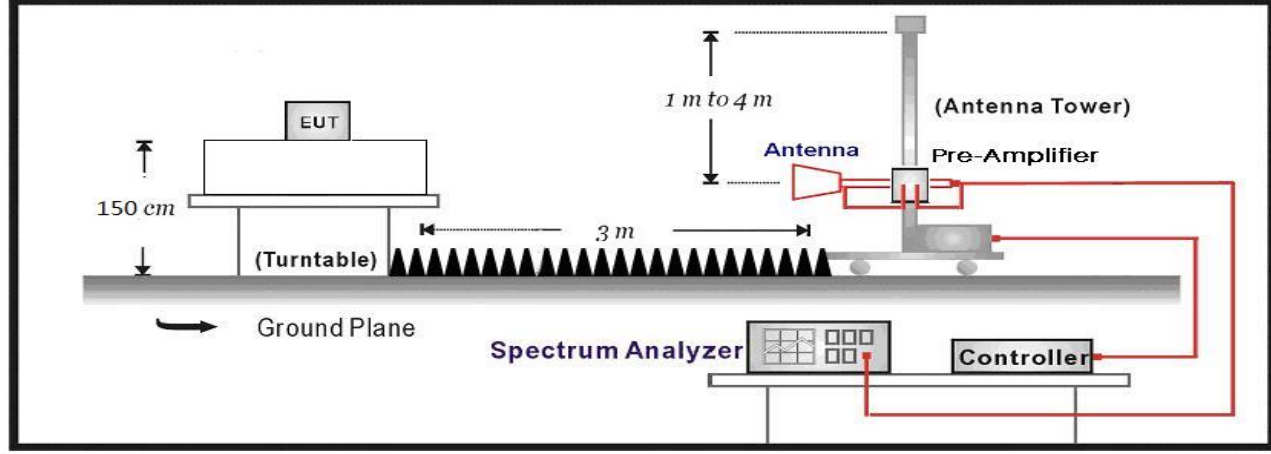
Note 3: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

### 4.2.2 Test Setup

30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



### 4.2.3 Test Procedure

	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.12	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.1	Radiated emission measurements
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.2.7	Radiated spurious emission test
	<input checked="" type="checkbox"/> ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

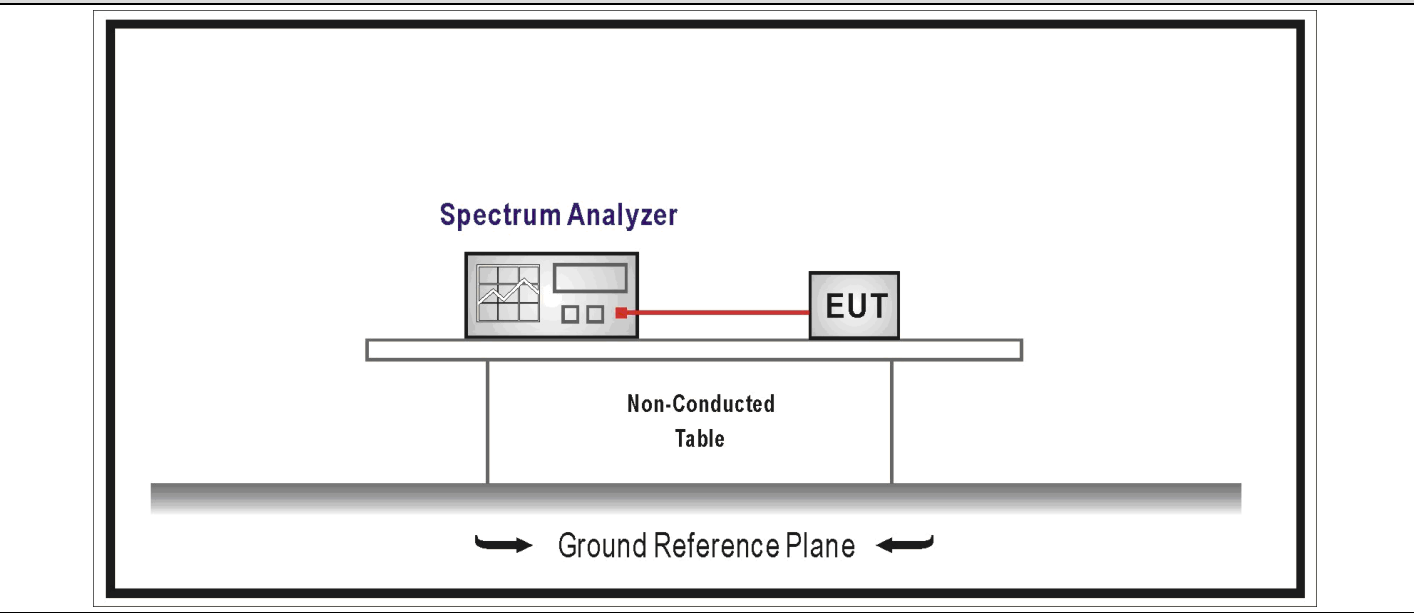
<b>4.3 DTS Bandwidth</b>	<b>VERDICT: PASS</b>
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**4.3.1 Limit**

<b>Standard</b>	FCC 15.231(c)
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The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

**4.3.2 Test Setup**



**4.3.3 Test Procedure**

	Reference Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	6.9	Occupied bandwidth tests
<input checked="" type="checkbox"/>	ANSI C63.10	6.9.2	Occupied bandwidth—relative measurement procedure
<input type="checkbox"/>	ANSI C63.10	6.9.3	Occupied bandwidth—power bandwidth (99%) measurement procedure

**4.4 Duration Time**

**VERDICT: PASS**

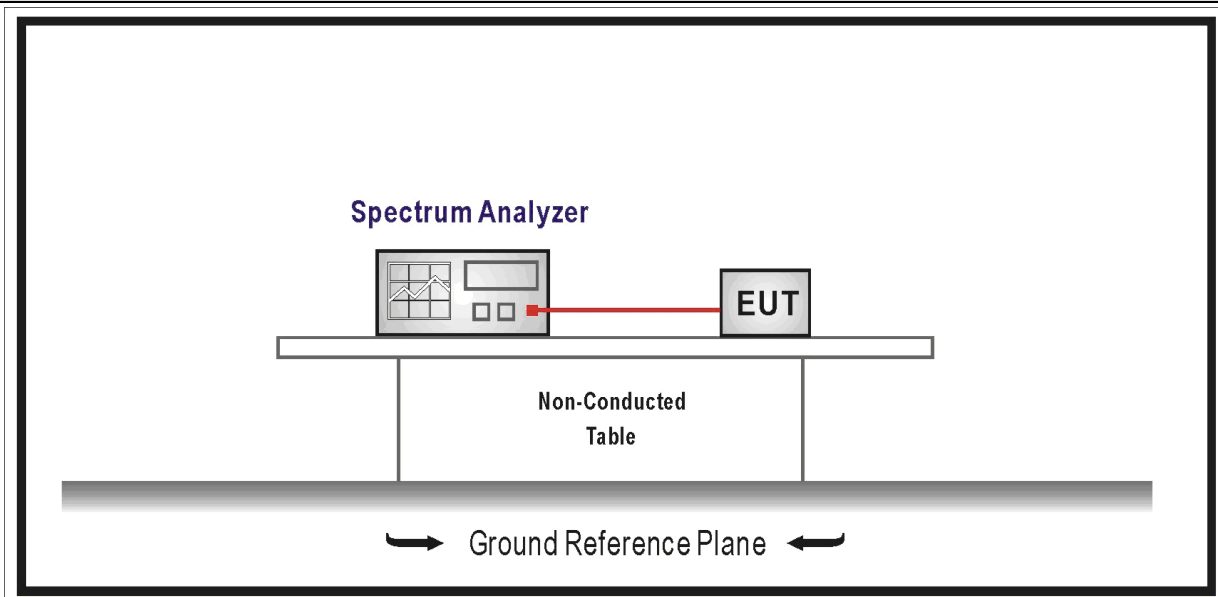
**4.4.1 Limit**

**Standard**

FCC Part 15 Subpart C Paragraph 15.247 (b)(3)

(1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

**4.4.2 Test Setup**



**4.4.3 Test Procedure**

1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT.
2. Set the EUT to proper test channel.
3. Single scan the transmission, and read the transmission time.

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## 5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.



## 6 APPENDIX A-TEST DATA: FIELD STRENGTH OF FUNDAMENTAL

Frequency (MHz)	Measure Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Type
433.92(X Axis)	84.38	100.83	-16.45	Horizontal	PK
433.92(X Axis)	71.44	100.83	-29.39	Vertical	PK

Frequency (MHz)	Measure Level (dBuV/m)	Duty cycle Factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
433.92(X Axis)	84.38	-17.99	66.39	80.83	-14.44	Horizontal
433.92(X Axis)	71.44	-17.99	53.45	80.83	-27.38	Vertical

Note 1:

Average value=Peak value + Duty Cycle Factor

Duty cycle factor = 20log(Duty cycle)

Duty cycle = on time/100 milliseconds or period, whichever is less

T on time =12.6\*1=12.6(ms)

T on time+T off time=100ms

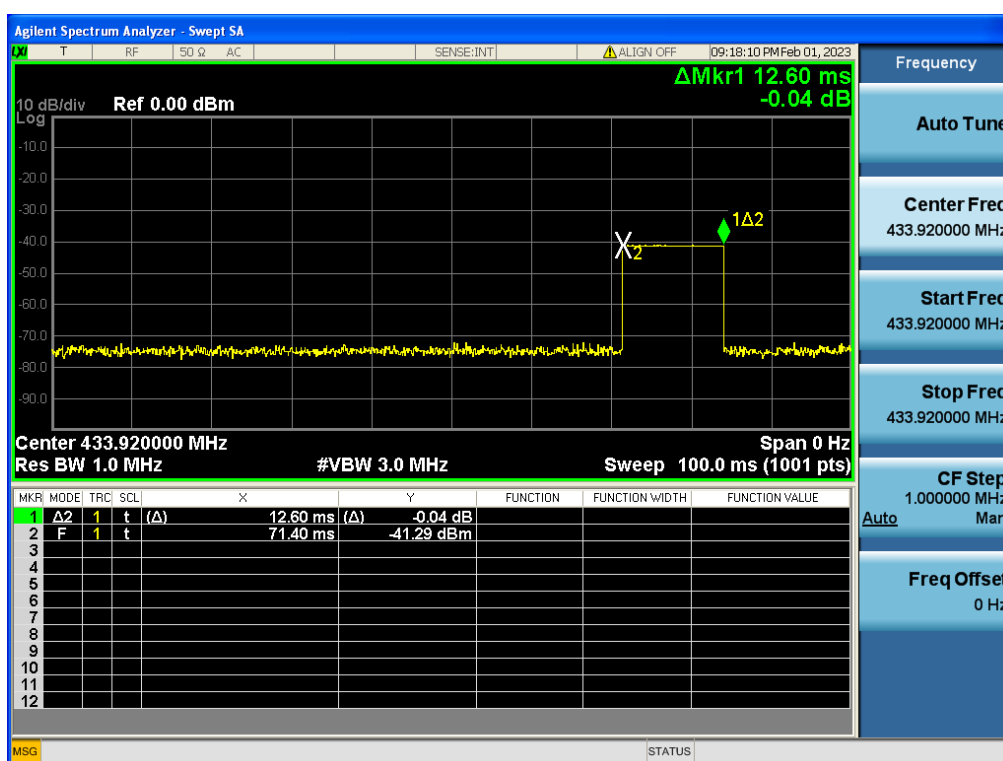
Duty cycle =12.6%

Duty cycle factor = 20log(Duty cycle) = -17.99

Note 2:

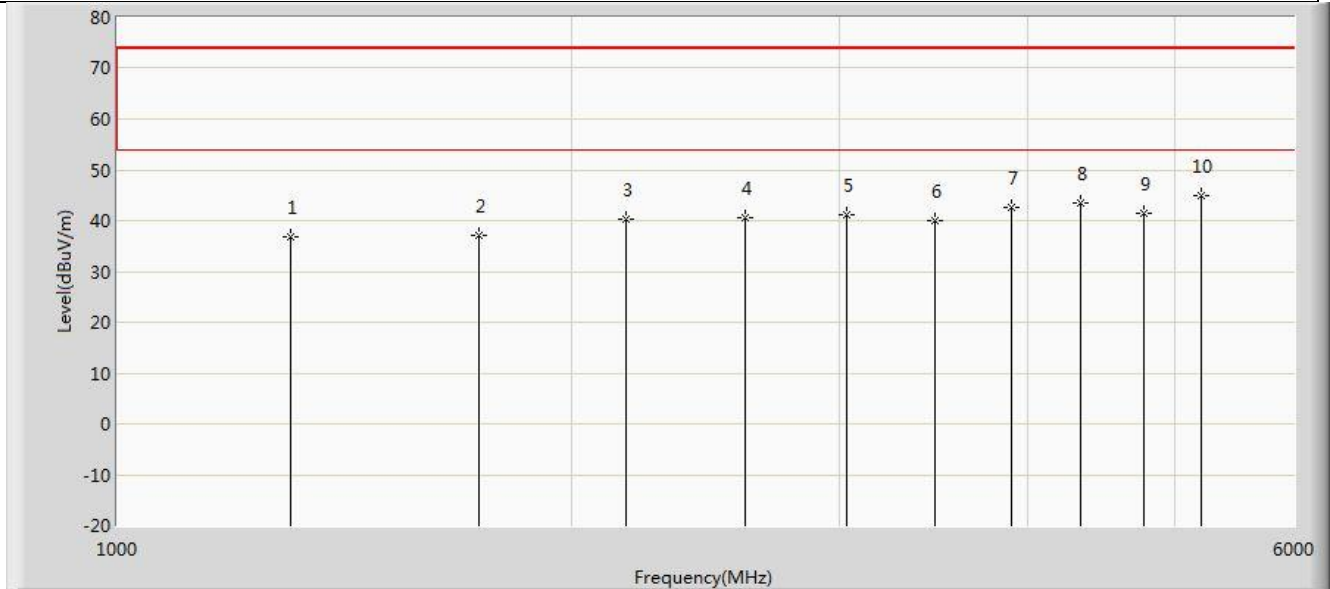
We have evaluated three orthogonal positions (X , Y , Z ) and the position with the highest emission level(X Axis) was recorded and shown in the report.

Duty Cycle:



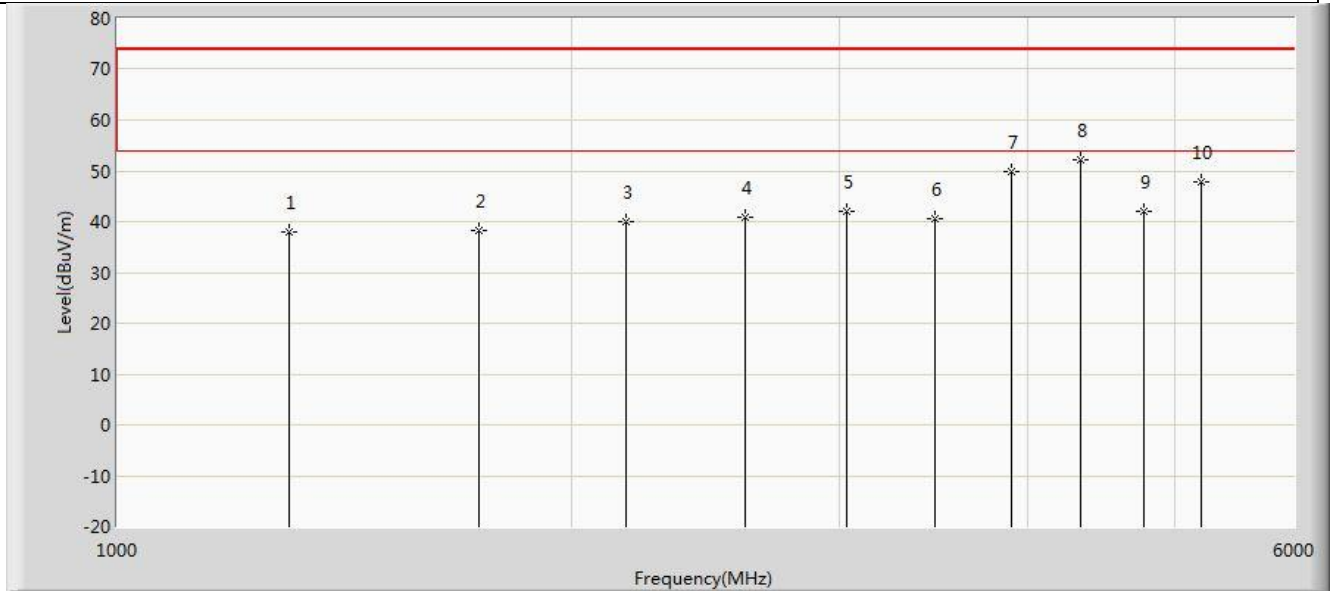
## 7 APPENDIX B-TEST DATA: FIELD STRENGTH OF SPURIOUS EMISSIONS

Profile: 22C0153R	Page No.: 3
Engineer: Yuliu	
Site: AC5	Time: 2023/02/01 - 20:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: SENSOR ASM-TIRE PRESS IND	Power: Battery 3V
Note: Mode 1 : Transmit at 433.92MHz	



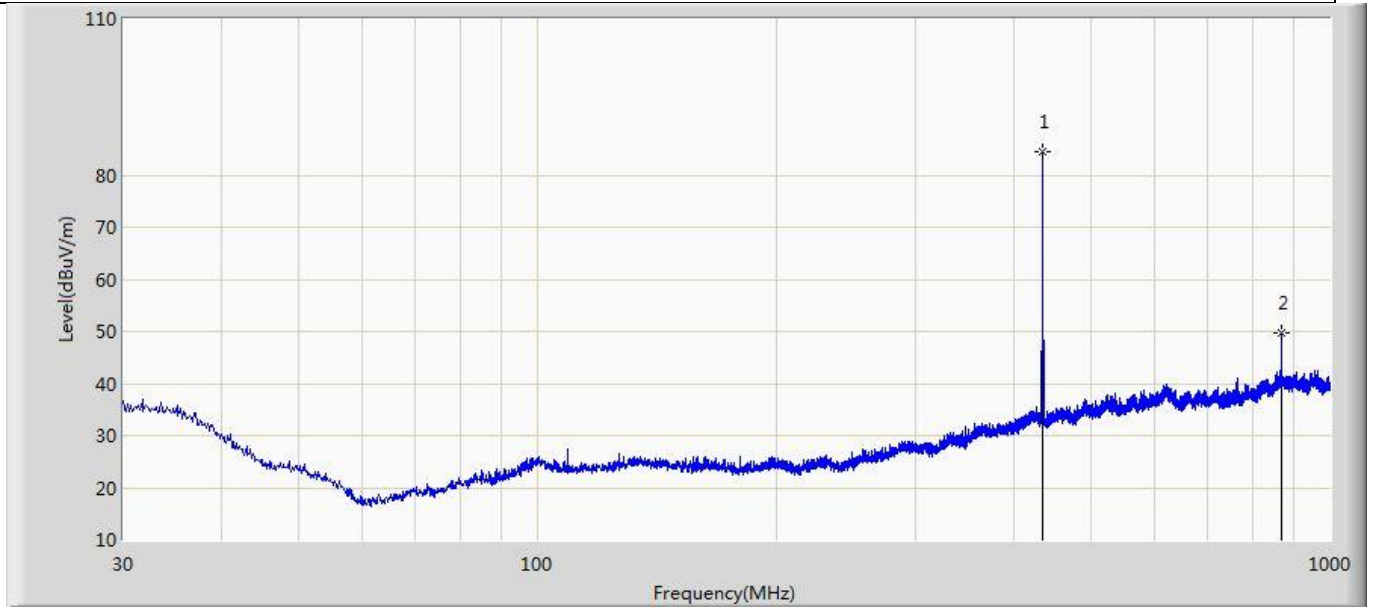
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1301.760	36.779	57.947	-37.221	74.000	-21.167	PK
2		1735.680	37.226	57.411	-36.774	74.000	-20.185	PK
3		2169.600	40.368	58.910	-33.632	74.000	-18.542	PK
4		2603.520	40.562	57.876	-33.438	74.000	-17.314	PK
5		3037.440	41.225	58.166	-32.775	74.000	-16.942	PK
6		3471.360	40.064	57.121	-33.936	74.000	-17.057	PK
7		3905.000	42.661	59.192	-31.339	74.000	-16.531	PK
8		4340.000	43.345	59.160	-30.655	74.000	-15.815	PK
9		4773.120	41.437	56.518	-32.563	74.000	-15.081	PK
10	*	5210.000	44.899	58.850	-29.101	74.000	-13.951	PK

Profile: 22C0153R	Page No.: 4
Engineer: Yuliu	
Site: AC5	Time: 2023/02/01 - 20:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: SENSOR ASM-TIRE PRESS IND	Power: Battery 3V
Note: Mode 1 : Transmit at 433.92MHz	



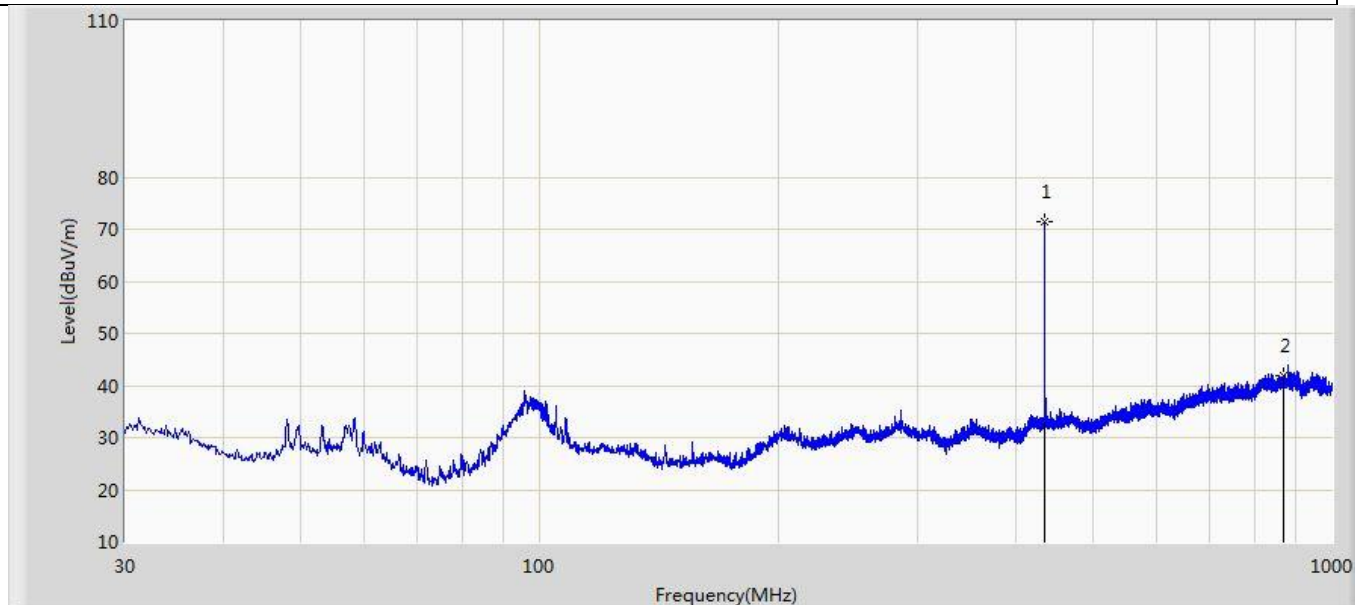
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		1300.000	37.904	59.055	-36.096	74.000	-21.151	PK
2		1735.680	38.313	58.498	-35.687	74.000	-20.185	PK
3		2169.600	39.866	58.408	-34.134	74.000	-18.542	PK
4		2603.520	40.944	58.258	-33.056	74.000	-17.314	PK
5		3037.440	42.042	58.983	-31.958	74.000	-16.942	PK
6		3471.360	40.621	57.678	-33.379	74.000	-17.057	PK
7		3905.000	49.867	66.398	-24.133	74.000	-16.531	PK
8	*	4340.000	52.233	68.048	-21.767	74.000	-15.815	PK
9		4773.120	42.009	57.090	-31.991	74.000	-15.081	PK
10		5210.000	47.685	61.636	-26.315	74.000	-13.951	PK

Profile: 22C0153R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2022/10/27 - 00:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Horizontal
EUT: SENSOR ASM-TIRE PRESS IND	Power: Battery 3V
Note: Mode 1 : Transmit at 433.92MHz	



No	Frequency (MHz)	Measure Level (dBuV/m)	Average value (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	433.884	84.384	66.39	58.073	-14.44	80.83	26.310	QP
2	868.080	49.599	31.61	16.646	-29.22	60.83	32.953	QP

Profile: 22C0153R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2022/10/27 - 20:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Vertical
EUT: SENSOR ASM-TIRE PRESS IND	Power: Battery 3V
Note: Mode 1 : Transmit at 433.92MHz	



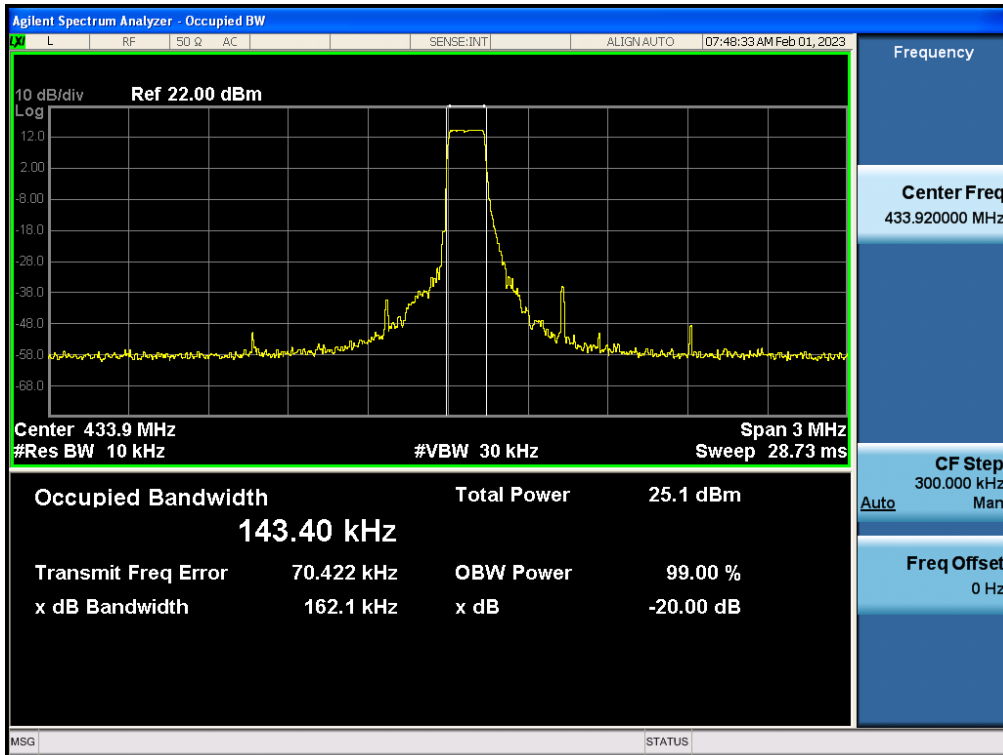
No	Frequency (MHz)	Measure Level (dBuV/m)	Average value (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	433.884	71.440	53.48	45.330	-27.38	80.83	26.109	QP
2	868.080	41.901	23.91	8.924	-36.92	60.83	32.977	QP

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. As the radiated emission was performed, so conducted emission was not tested.
5. We have evluaed three orthogonal positions ( X , Y , Z ) and the position with the highest emission level(X Axis) was recorded and shown in the report.

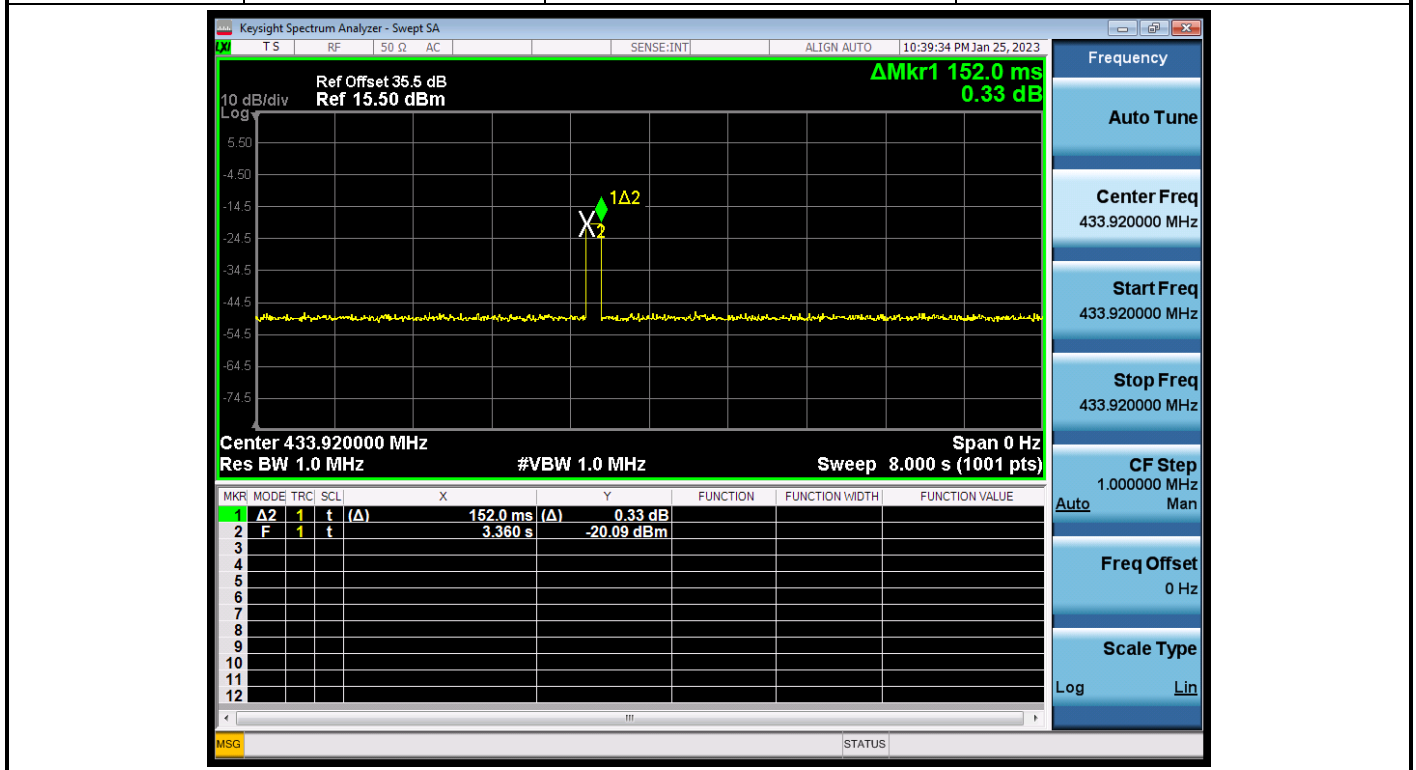
## 8 APPENDIX C-TEST DATA: 20DB BANDWIDTH

Mode	CH.	Test Freq. (MHz)	20dB Occupied Bandwidth (kHz)	Limit (kHz)	Result
1	00	433.92	162.1	Within band	Pass



## 9 APPENDIX D-TEST DATA: DURATION TIME

Frequency (MHz)	Duration Time (S)	Limit (S)	Result
433.92	0.152	< 5.0	Pass



The End