

Report No.: KSCR220100004601

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TEST REPORT

Application No.: KSCR2201000046AT

FCC ID: 2AOK9-MDT04 **Applicant:** 70mai Co.,Ltd.

Address of Applicant: Room 2220, building 2, No.588, Zixing road, MinHang District, Shanghai

CHINA

Manufacturer: 70mai Co.,Ltd.

Address of Manufacturer: Room 2220, building 2, No.588, Zixing road, MinHang District, Shanghai

CHINA

Equipment Under Test (EUT):

EUT Name: TPMS SENSOR
Model No.: Midrive T04
Trade mark: 70 Mai

Standard(s): 47 CFR Part 15, Subpart C 15.249

Date of Receipt: 2022-01-05

Date of Test: 2022-01-13 to 2022-01-26

Date of Issue: 2022-01-27

Test Result: Pass*

Eric Lin Laboratory Manager



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^{*} In the configuration tested, the EUT complied with the standards specified above.



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Revision Record					
Version Description Date Remark					
00	Original	2022-01-27	/		

Authorized for issue by:			
	Damon zhou		
	Damon Zhou / Project Engineer		
	Era Li		
	Eric Lin / Reviewer	_	



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2 Test Summary

Radio Spectrum Technical Requirement						
Item	Standard	Method	Requirement	Result		
Antenna Requirement	47 CFR Part 15, Subpart C 15.249	N/A	47 CFR Part 15, Subpart C 15.203	Pass		

N/A: Not applicable

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
20dB Bandwidth	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass		
Field Strength of the Fundamental Signal (15.249(a))	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.5&6.6	47 CFR Part 15, Subpart C 15.249(a)	Pass		
Restricted Band Around Fundamental Frequency	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.4&6.5&6.6	47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209	Pass		
Radiated Emissions	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.4&6.5&6.6	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass		

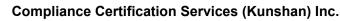
N/A: Not applicable



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 3V by Battery

Test voltage: DC 3V

Antenna Gain: -10dBi (Provided by manufacturer)

Channel Spacing: Integral Antenna

Modulation Type: GFSK

Operation Frequency: 2402-2480MHz

Channel Number: 3

Channel Position	Frequency (MHz)
Low	2402
Middle	2440
High	2480

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	DE Redicted Dewer	5.2dB (Below 1GHz)
0	RF Radiated Power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dadiated Spurious Emission Test	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

4.5 Test Facility

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

• CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172.ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324EVCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date		
RF R	RF Radiated Test							
1	Spectrum Analyzer	R&S	FSV40	101493	10/11/2021	10/10/2022		
2	Signal Generator	Agilent	E8257C	MY43321570	10/18/2021	10/17/2022		
3	Loop Antenna	Schwarzbeck	HXYZ9170	9170-108	02/22/2021	02/21/2022		
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023		
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023		
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020	10/25/2022		
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023		
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/22/2021	02/21/2022		
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2021	04/14/2022		
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022		
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R		
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R		
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R		
14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R		
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R		
16	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R		
17	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R		
18	Filter (1745 MHz \sim 1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R		
19	Filter (1922 MHz \sim 1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R		
20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R		
21	Filter (1532 MHz \sim 1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R		
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R		
23	RE test cable	1	RE01-RE04	1	04/15/2021	04/14/2022		
24	Software	Faratronic	EZ_EMC-v 3A1	N/A	N/A	N/A		



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 Limit:

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.

6.1.2 Conclusion

Standard 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.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -10dBi.

Antenna location: Refer to Appendix(internal photo)



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7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215 Test Method: ANSI C63.10 (2013) Section 6.9

Limit: N/A

7.1.1 E.U.T. Operation

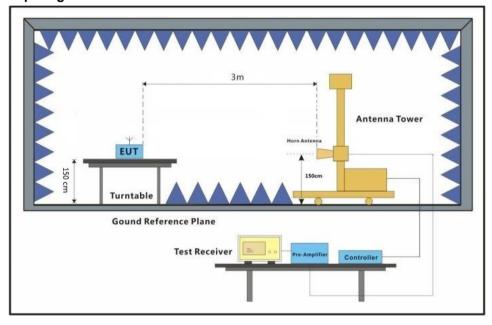
Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode a: TX mode Keep the EUT in continuously transmitting mode with GFSK

modulation.

7.1.2 Test Setup Diagram





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7.1.3 Measurement Procedure and Data

- 1. Place the EUT on the table and set it in Engineering mode.
- 2. Set the spectrum analyzer as RBW = approximately 1 % to 5 % of the OBW (set 30 kHz), VBW =3* RBW, Span=3MHz, Sweep=auto
- 3. Mark the peak frequency and -20dB (upper and lower) frequency.
- 4. Repeat above procedures until all frequency measured was complete.



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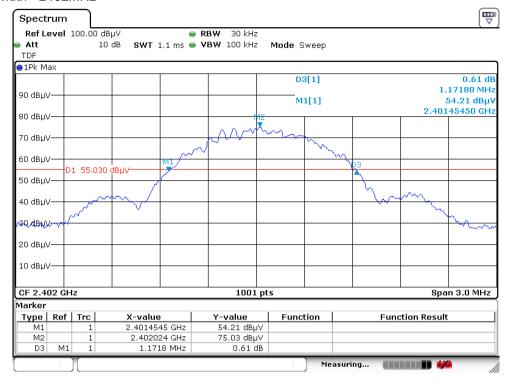
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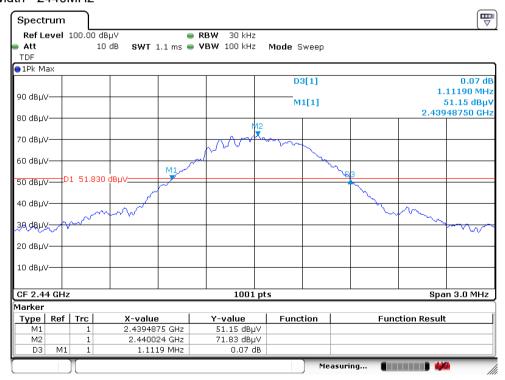
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20dB Bandwidth - 2402MHz



20dB Bandwidth - 2440MHz





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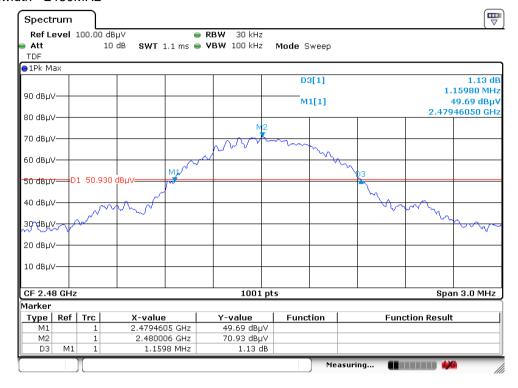
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20dB Bandwidth - 2480MHz



Mode	Frequency (MHz)	20dB Bandwidth (MHz)	Test Result
	2402	1.172	Pass
GFSK	2440	1.112	Pass
	2480	1.160	Pass



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7.2 Field Strength of the Fundamental Signal (15.249(a))

Test Requirement 47 CFR Part 15, Subpart C 15.249(a)
Test Method: ANSI C63.10 (2013) Section 6.5&6.6

Limit:

Fundamental frequency (MHz)	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

Remark: The frequencies above 1000MHz are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.2.1 E.U.T. Operation

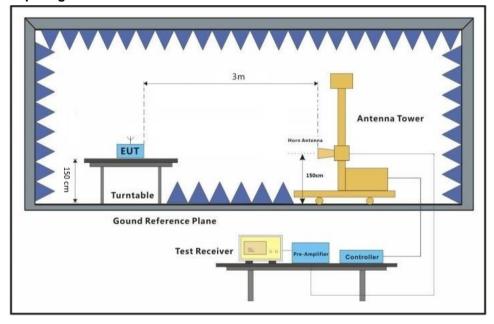
Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with GFSK

modulation.

7.2.2 Test Setup Diagram





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7.2.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
2402	101.03	-13.97	87.06	94.00	-6.94	Peak	Horizontal
2402	88.61	-13.97	74.64	94.00	-19.36	Peak	Vertical
0440	100.09	-13.84	86.25	94.00	-7.75	Peak	Horizontal
2440	89.15	-13.84	75.31	94.00	-18.69	Peak	Vertical
2400	99.35	-13.71	85.64	94.00	-8.36	Peak	Horizontal
2480	90.31	-13.71	76.60	94.00	-17.40	Peak	Vertical

Remark:

1) The basic equation with a sample calculation is as follows: Level = Read Level + Factor.

(The Factor is calculated by adding the Antenna Factor, Cable Loss and Preamp Factor)

2) The peak value of the Fundamental Frequency is below the average limit value, so we haven't read the AV value.



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7.3 Restricted Band Around Fundamental Frequency

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4&6.5&6.6

Limit:

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

7.3.1 E.U.T. Operation

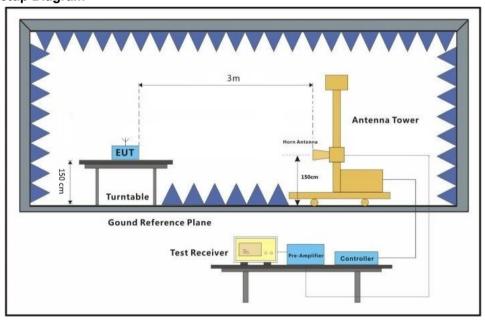
Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode a: TX mode_Keep the EUT in continuously transmitting mode with GFSK

modulation.

7.3.2 Test Setup Diagram





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7.3.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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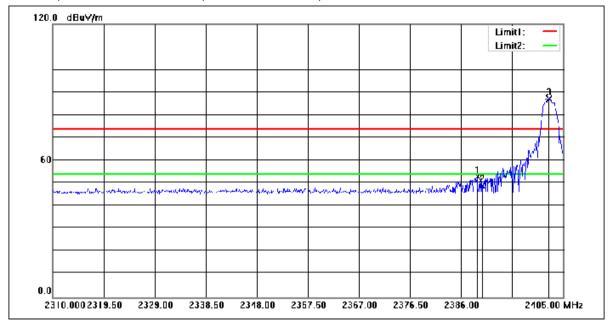
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Mode: a; Polarization: Horizontal; Modulation: GFSK; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.040	66.85	-14.01	52.84	74.00	-21.16	peak
2	2390.000	63.07	-14.01	49.06	74.00	-24.94	peak
3	2402.435	101.03	-13.97	87.06	74.00	13.06	peak



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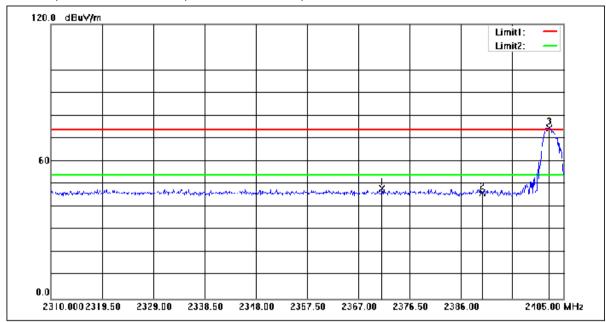
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Mode: a; Polarization: Vertical; Modulation: GFSK; Channel: Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2371.370	62.08	-14.07	48.01	74.00	-25.99	peak
2	2390.000	60.28	-14.01	46.27	74.00	-27.73	peak
3	2402.340	88.61	-13.97	74.64	74.00	0.64	peak



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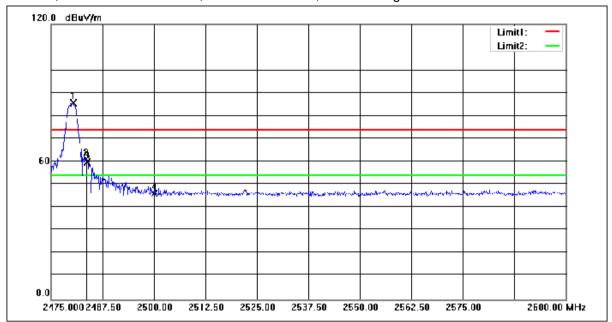
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Mode: a; Polarization: Horizontal; Modulation: GFSK; Channel: High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.375	99.35	-13.71	85.64	74.00	11.64	peak
2	2483.500	74.90	-13.71	61.19	74.00	-12.81	peak
3	2483.750	73.57	-13.70	59.87	74.00	-14.13	peak
4	2500.000	59.65	-13.64	46.01	74.00	-27.99	peak



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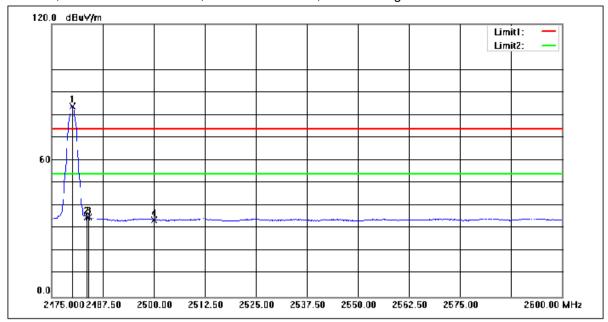
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Mode: a; Polarization: Horizontal; Modulation: GFSK; Channel: High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	97.69	-13.71	83.98	54.00	29.98	AVG
2	2483.500	48.71	-13.71	35.00	54.00	-19.00	AVG
3	2484.125	48.52	-13.70	34.82	54.00	-19.18	AVG
4	2500.000	47.51	-13.64	33.87	54.00	-20.13	AVG



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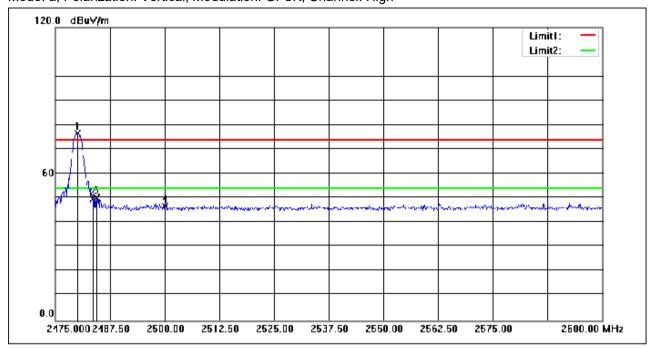
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Mode: a; Polarization: Vertical; Modulation: GFSK; Channel: High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2480.000	90.31	-13.71	76.60	74.00	2.60	peak
2	2483.500	63.28	-13.71	49.57	74.00	-24.43	peak
3	2484.375	64.02	-13.70	50.32	74.00	-23.68	peak
4	2500.000	60.32	-13.64	46.68	74.00	-27.32	peak



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7.4 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)

Test Method: ANSI C63.10 (2013) Section 6.4&6.5&6.6

Limit:

Frequency (MHz)	Field strength	Limit	Detector	Measurement Distance
riequelicy (MHZ)	(microvolts/meter)	(dBuV/m)	Detector	(meters)
0.009-0.490	2400/F(kHz)	-	-	300
0.490-1.705	24000/F(kHz)	-	-	30
1.705-30	30	-	-	30
30-88	100	40.0	QP	3
88-216	150	43.5	QP	3
216-960	200	46.0	QP	3
960-1000	500	54.0	QP	3
Above 1000	500	54.0	AV	3

7.4.1 E.U.T. Operation

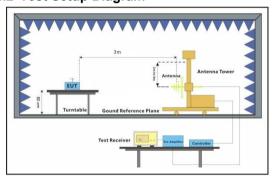
Operating Environment:

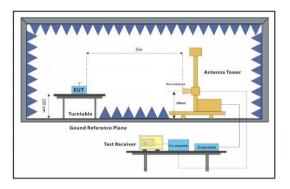
Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

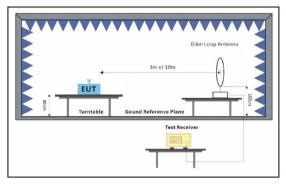
Test mode a: TX mode Keep the EUT in continuously transmitting mode with GFSK

modulation.

7.4.2 Test Setup Diagram









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7.4.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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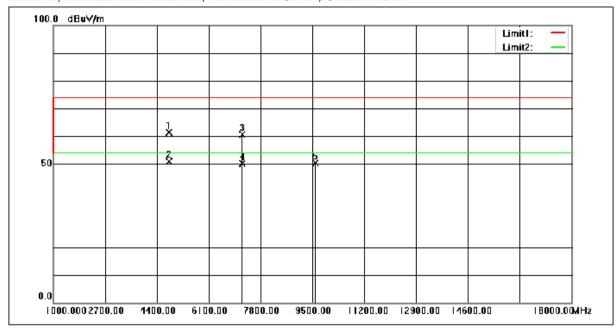
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Mode: a; Polarization: Horizontal; Modulation: GFSK; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
	\ /	(ubuv)	lactor(ub/iii)	(ubu v/III)	(ubuv/III)	(ub)	
1	4804.000	70.20	-8.86	61.34	74.00	-12.66	peak
2	4804.000	59.67	-8.86	50.81	54.00	-3.19	AVG
3	7206.000	66.47	-5.89	60.58	74.00	-13.42	peak
4	7206.000	56.06	-5.89	50.17	54.00	-3.83	AVG
5	9608.000	51.71	-1.26	50.45	74.00	-23.55	peak



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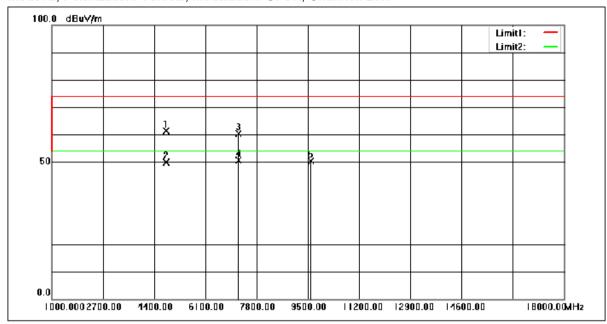
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Mode: a; Polarization: Vertical; Modulation: GFSK; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	70.18	-8.86	61.32	74.00	-12.68	peak
2	4804.000	58.64	-8.86	49.78	54.00	-4.22	AVG
3	7206.000	66.38	-5.89	60.49	74.00	-13.51	peak
4	7206.000	56.46	-5.89	50.57	54.00	-3.43	AVG
5	9608.000	51.72	-1.26	50.46	74.00	-23.54	peak



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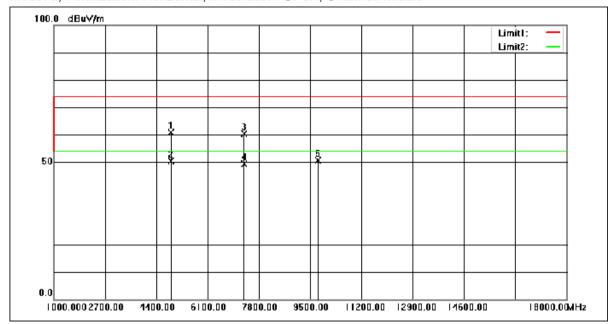
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Mode: a; Polarization: Horizontal; Modulation: GFSK; Channel: middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4880.000	69.54	-8.60	60.94	74.00	-13.06	peak
2	4880.000	58.97	-8.60	50.37	54.00	-3.63	AVG
3	7320.000	66.03	-5.77	60.26	74.00	-13.74	peak
4	7320.000	55.25	-5.77	49.48	54.00	-4.52	AVG
5	9760.000	52.09	-1.45	50.64	74.00	-23.36	peak



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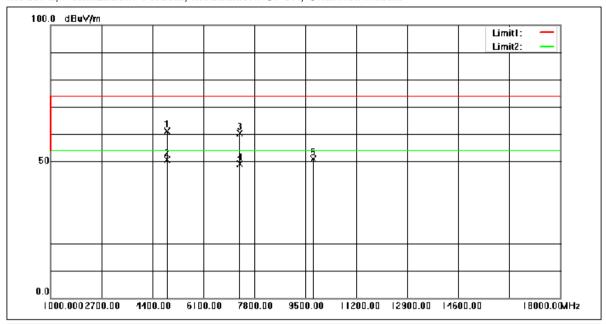
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Mode: a; Polarization: Vertical; Modulation: GFSK; Channel: middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4880.000	69.62	-8.60	61.02	74.00	-12.98	peak
2	4880.000	59.16	-8.60	50.56	54.00	-3.44	AVG
3	7320.000	66.18	-5.77	60.41	74.00	-13.59	peak
4	7320.000	54.92	-5.77	49.15	54.00	-4.85	AVG
5	9760.000	52.36	-1.45	50.91	74.00	-23.09	peak



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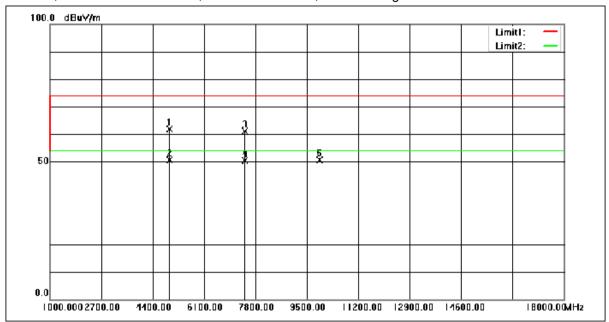
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Mode: a; Polarization: Horizontal; Modulation: GFSK; Channel: High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	70.28	-8.32	61.96	74.00	-12.04	peak
2	4960.000	59.07	-8.32	50.75	54.00	-3.25	AVG
3	7440.000	66.85	-5.63	61.22	74.00	-12.78	peak
4	7440.000	55.90	-5.63	50.27	54.00	-3.73	AVG
5	9920.000	51.65	-0.94	50.71	74.00	-23.29	peak



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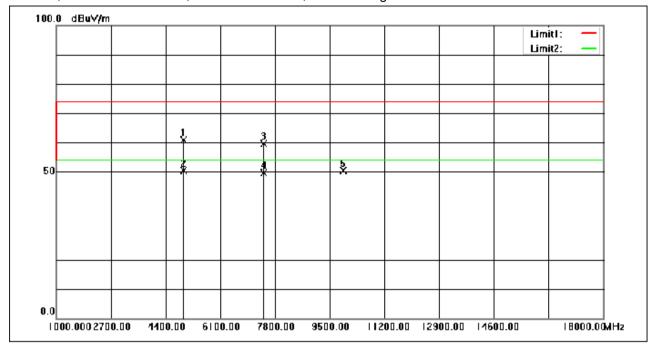
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Mode: a; Polarization: Vertical; Modulation: GFSK; Channel: High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4960.000	69.17	-8.32	60.85	74.00	-13.15	peak
2	4960.000	58.60	-8.32	50.28	54.00	-3.72	AVG
3	7440.000	65.30	-5.63	59.67	74.00	-14.33	peak
4	7440.000	55.18	-5.63	49.55	54.00	-4.45	AVG
5	9920.000	51.29	-0.94	50.35	74.00	-23.65	peak



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8 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

9 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -



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