

Report No.: KSCR220500068801

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# Test Report

Application No.: KSCR2205000688AT

**FCC ID:** 2A5U7-RR114

Applicant: 1320 International, LLC

Address of Applicant: 66 Main Street Suite 2457 Farmingdale NEW JERSEY 07727

Manufacturer:ShangHai HaoWei Precision mold & Injection Co., Ltd.Address of Manufacturer:No.333,6 Building,Changta rd,litahu Town,shanghai city.Factory:ShangHai HaoWei Precision mold & Injection Co., Ltd.Address of Factory:No.333,6 Building,Changta rd,litahu Town,shanghai city.

**Equipment Under Test (EUT):** 

**EUT Name:** Remote Control **Model No.:** RR114-4BT

Standard(s): 47 CFR Part 15, Subpart C 15.231

**Date of Receipt:** 2022-05-10

**Date of Test:** 2022-07-19 to 2022-07-22

**Date of Issue:** 2022-07-23

Test Result: Pass\*

Eric Lin Laboratory Manager

Jose fri



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<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



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	Revision Record					
Version	Chapter	Date	Modifier	Remark		
01		2022-07-23		Original		

Authorized for issue by:		
	Tonnie Tang	
	Tommie_Tang/Project Engineer	
	Eric fr	
	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 15.231	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.231(c)	Pass
Radiated Emissions below 1GHz	47 CFR Part 15, Subpart C 15.231	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15C Section 15.231(b) and 15.209	Pass
Dwell Time (15.231(a))		ANSI C63.10 (2013) Section 7.5	47 CFR Part 15, Subpart C 15.231(a)	Pass
Field Strength of the Fundamental Signal (15.231(b))	Caspair 0 10.201	ANSI C63.10 (2013) Section 6.5	47 CFR Part 15, Subpart C 15.231(b)	Pass
Radiated Emissions above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15C Section 15.231(b) and 15.209	Pass



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# SGS

# Compliance Certification Services (Kunshan) Inc.

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### **General Information**

### Details of E.U.T.

Power supply:	DC 3V by battery
Operation Frequency	315MHz
Channel Numbers:	1
Modulation Type:	FSK
Antenna Type:	PCB Antenna

### **Description of Support Units**

Description	Manufacturer	Model No.	Serial No.	
The EUT has been tested as an independent unit.				

### **Measurement Uncertainty**

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 <sup>-8</sup>
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	RF Radiated Power	5.2dB (Below 1GHz)
0	KF Kadialed Fower	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Radiated Spurious Emission Test	4.5dB (30MHz-1GHz)
9		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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### **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.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

### **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: 2324E
• VCCI (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.

### **Deviation from Standards**

None



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### **Abnormalities from Standard Conditions**

None



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# 5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Ra	RF Radiated Test					
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	10/11/2021	10/10/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
3	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
4	Signal Generator	Agilent	E8257C	KS301066	10/18/2021	10/17/2022
5	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
6	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
7	Bilog Antenna	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
8	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	10/26/2020	10/25/2022
9	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/22/2021	02/21/2023
10	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/22/2022	03/21/2023
11	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/22/2022	01/21/2023
12	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/22/2022	01/21/2023
13	RE Test Cable	REBES MICROWAVE	/	CZ301097	11/14/2021	11/13/2022
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	31/03/2023
15	Software	Faratronic	EZ_EMC-v 3A1	/	N/A	N/A



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# 6 Radio Spectrum Technical Requirement

### **Antenna Requirement**

### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

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.

### **EUT Antenna:**

There is PCB antenna and no consideration of replacement.

Antenna location: Refer to Internal photos



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# **Radio Spectrum Matter Test Results**

### 20dB Bandwidth

**Test Requirement** 47 CFR Part 15, Subpart C 15.231(c) ANSI C63.10 (2013) Section 6.9 Test Method:

### Limit:

Frequency range(MHz)	Limit
70-900	No wider than 0.25% of the center frequency
Above 900	No wider than 0.5% of the center frequency

### 7.1.1 E.U.T. Operation

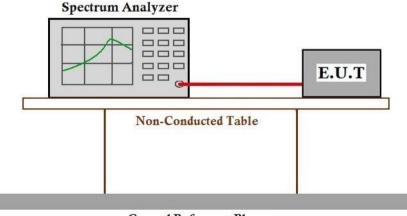
Operating Environment:

Temperature: 22.8 °C Atmospheric Pressure: 1010 mbar Humidity: 53.4 % RH

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with FSK modulation

### 7.1.3 Test Setup Diagram



Ground Reference Plane

### 7.1.4 Measurement Procedure and Data

The detailed test data see: Appendix A for KSCR220500068801



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### Radiated Emissions below 1GHz

Test Requirement 47 CFR Part 15C Section 15.231(b) and 15.209

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

### Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.

### 7.1.5 E.U.T. Operation

Operating Environment:

22.8 °C Temperature: Humidity: 53.3 % RH Atmospheric Pressure: 1010 mbar

### 7.1.6 Test Mode Description

Pre-scan Final test		Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with FSK modulation

### 7.1.7 Test Setup Diagram



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#### 7.1.8 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. 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.
- c. 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.
- d. 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.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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.
- g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

#### Remark:

- 1) 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
- 2) Scan from 9kHz to 1GHz, 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.

The detailed test data see: Appendix A for KSCR220500068801



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### **Dwell Time (15.231(a))**

Test Requirement 47 CFR Part 15, Subpart C 15.231(a)
Test Method: ANSI C63.10 (2013) Section 7.5

### Limit:

Device type	Limit		
Manually operated transmitter	The switch automatically deactivate the transmitter within not more than 5 seconds of being released		
Automatically actived transmitter	Cease transmission within 5 seconds after activation		
Periodic transmissions to determine system integrity of transmitters used in security or safety applications	The total transmission time does not exceed 2 seconds per hour		

### 7.1.9 E.U.T. Operation

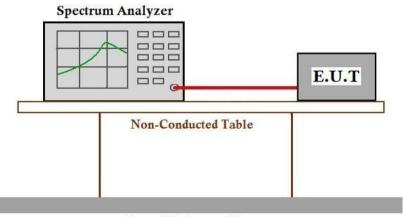
Operating Environment:

Temperature: 22.8 °C Humidity: 53.3 % RH Atmospheric Pressure: 1010 mbar

7.1.10 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with FSK modulation

### 7.1.11 Test Setup Diagram



**Ground Reference Plane** 



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### 7.1.12 Measurement Procedure and Data

The detailed test data see: Appendix A for KSCR220500068801



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### Field Strength of the Fundamental Signal (15.231(b))

Test Requirement 47 CFR Part 15, Subpart C 15.231(b)
Test Method: ANSI C63.10 (2013) Section 6.5

### Limit:

Fundamental frequency(MHz)	Field strength of fundamental(microvolts/meter)	Field strength of spurious emissions(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	

Remark: the emission limit is based on measurement instrumentation employing an average detector at a distance of 3 meters. 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.

### 7.1.13 E.U.T. Operation

Operating Environment:

Temperature: 22.8 °C Humidity: 53.3 % RH Atmospheric Pressure: 1010 mbar

### 7.1.14 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with FSK modulation



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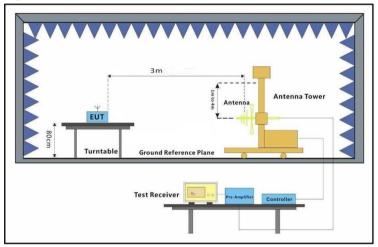
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### 7.1.15 Test Setup Diagram



#### 7.1.16 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. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

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

The detailed test data see: Appendix A for KSCR220500068801



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### Radiated Emissions above 1GHz

Test Requirement 47 CFR Part 15C Section 15.231(b) and 15.209

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

Measurement Distance: 3m

Limit:

For Restricted bands

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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 Other bands

Fundamental Frequency MHz	Field Strength of Fundamental (dBµV/m @ 3 m)	Field Strength of Hasrmonics and Spurious Emissions (dBµV/m @ 3 m)		
40.66 to 40.70	67.04	47.04		
70 to 130	61.94	41.94		
130 to 174	**61.94 to 71.48	41.94 to 51.48		
174 to 260	71.48	51.48		
260 to 470	**71.48 to 81.94	51.48 to 61.94		
Above 470	81.94	61.94		
Detector:	Peak for pre-scan			
	QP for 30MHz to1000 MHz:120 kHz resolution bandwidth			
	Peak for Above 1 GHz: 1 MHz resolution bandwidth			

<sup>\*\*</sup> 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, uV/m at 3 meters = 56.81818(F) - 6136.3636;

for the band 260-470 MHz, uV/m at 3 meters = 41.6667(F) - 7083.3333.

The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental



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### level.]

The fundamental frequency of the EUT is 315.00 MHz

The limit for average or QP field strength dBuv/m for the fundamental emission= 75.62 dBµV/m

No fundamental is allowed in the restricted bands.

The limit for average field strength dBuv/m for the spurious emission=55.62 dBuV/m. Spurious in the restricted bands must be less than 55.62 dBuV/m or 15.209, whichever limit permits a higher field strength.

### 7.1.17 E.U.T. Operation

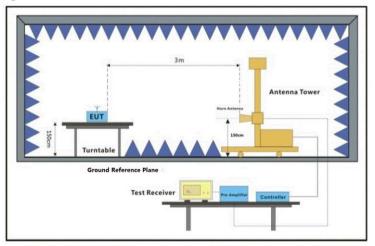
**Operating Environment:** 

Temperature: 25.1 °C Humidity: 53.1 % RH Atmospheric Pressure: 1010 mbar

### 7.1.18 Test Mode Description

	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with FSK modulation

### 7.1.19 Test Setup Diagram





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#### 7.1.20 Measurement Procedure and Data

- a. 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.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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.
- g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report. Remark:
- 1) 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
- 2) 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.

The detailed test data see: Appendix A for KSCR220500068801



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#### 8 **Test Setup Photo**

Refer to Appendix - Test Setup Photo for KSCR2205000688AT

#### 9 **EUT Constructional Details (EUT Photos)**

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2205000688AT



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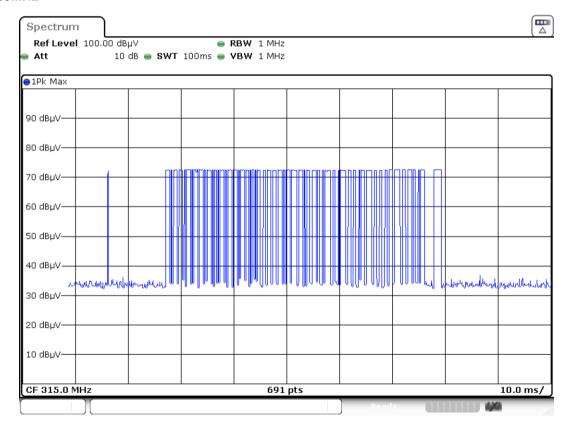
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# Appendix A for KSCR220500068801

- 1. Spurious Emissions
- 1.1 Field Strength of the Fundamental Signal

Test channel	Freq. (MHz)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization	
	315.00	73.19	95.62	-22.43	Peak	Vertical	
Observat 4		245.00	85.76	95.62	-9.86	Peak	Horizontal
Channel 1		61.19	75.62	-14.43	Average	Vertical	
		73.76	75.62	-1.86	Average	Horizontal	

### 315.00MHz





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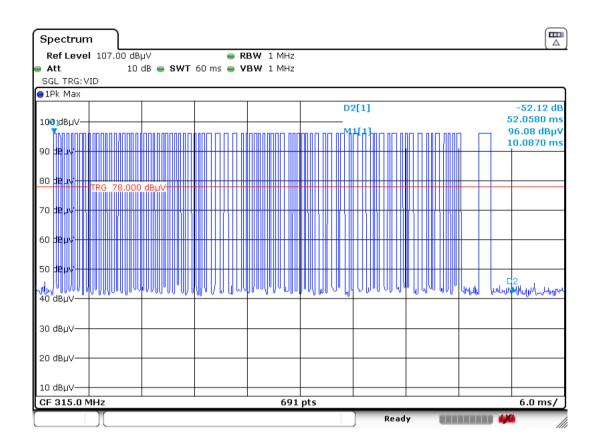
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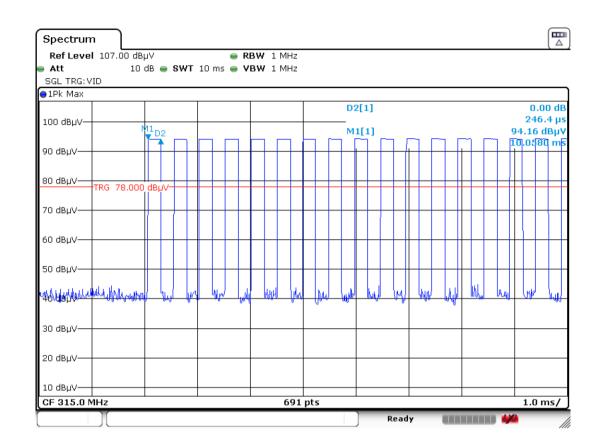
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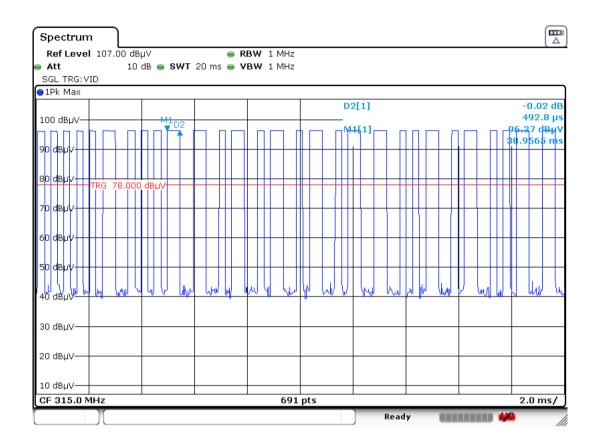
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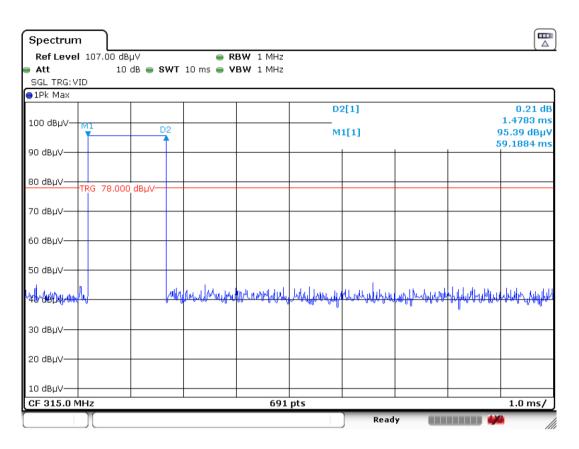
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#### Remark:

- 1. If the Peak value below the AV Limit, the AV test doesn't perform for this submission.
- 2. Average level=Peak level-Duty Cycle Factor
- 3. Duty Cycle Factor= 20log(Duty Cycle)= 20lg((0.2464\*62+0.4928\*17+1.4783)/100)= 12.00dB



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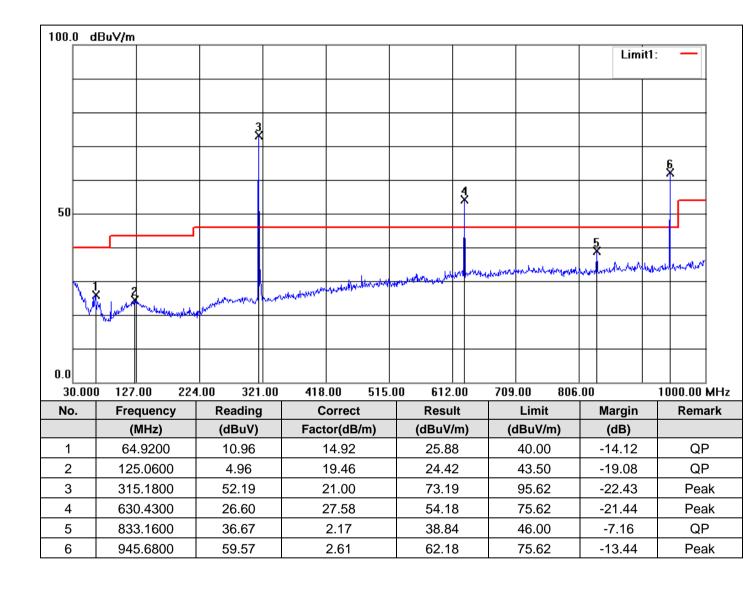
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### 2. Spurious Emissions

**Below 1GHz** 

Vertical:





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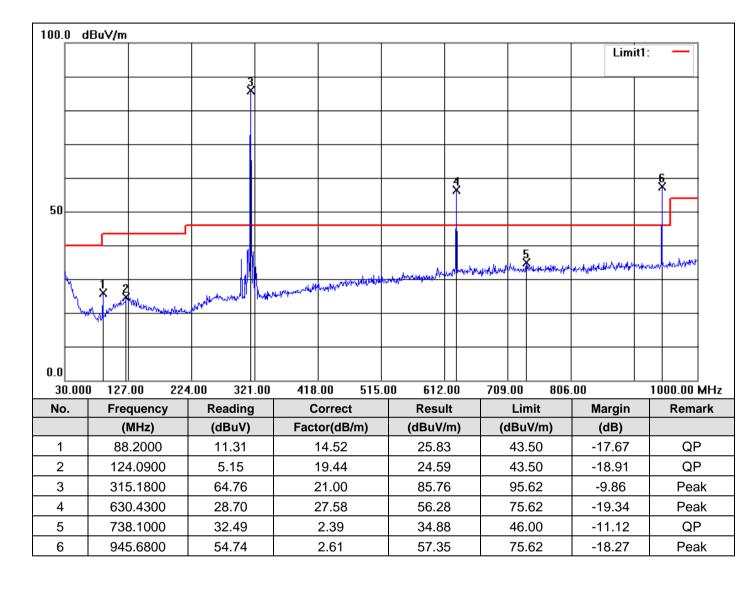
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### Horizontal:





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Peak value:							
Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
315.1800	85.76	95.62	-9.86	Horizontal			
630.4300	56.28	75.62	-19.34	Horizontal			
945.6800	57.35	75.62	-18.27	Horizontal			
315.1800	73.19	95.62	-22.43	Vertical			
630.4300	54.18	75.62	-21.44	Vertical			
945.6800	62.18	75.62	-13.44	Vertical			

Average value:							
Frequency (MHz)	Average correction factor	Peak Level (dBuV/m)	Average Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
315.1800	-12.00	85.76	73.76	75.62	-1.86	Horizontal	
630.4300	-12.00	56.28	44.28	55.62	-11.34	Horizontal	
945.6800	-12.00	57.35	45.35	55.62	-10.27	Horizontal	
315.1800	-12.00	73.19	61.19	75.62	-14.43	Vertical	
630.4300	-12.00	54.18	42.18	55.62	-13.44	Vertical	
945.6800	-12.00	62.18	50.18	55.62	-5.44	Vertical	

#### 1GHz~6GHz

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1252.220	57.36	-17.93	39.43	54.00	-14.57	peak	Vertical
2	1684.180	60.61	-18.17	42.44	54.00	-11.56	peak	Vertical
3	2287.380	51.51	-9.08	42.43	54.00	-11.57	peak	Vertical
4	1324.920	58.45	-17.26	41.19	54.00	-12.81	peak	Horizontal
5	1831.550	60.44	-15.75	44.69	54.00	-19.31	peak	Horizontal
6	2788.230	51.58	-7.26	44.32	54.00	-19.68	peak	Horizontal



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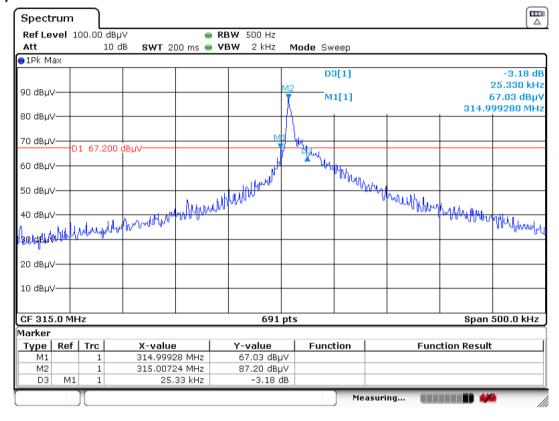
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### 3.20dB Bandwidth

#### **Measurement Data:**

Frequency (MHz)	20dB bandwidth (kHz)	Limit (kHz)	Results
315.00	25.33	787.5	Pass

### Test plot as follows:





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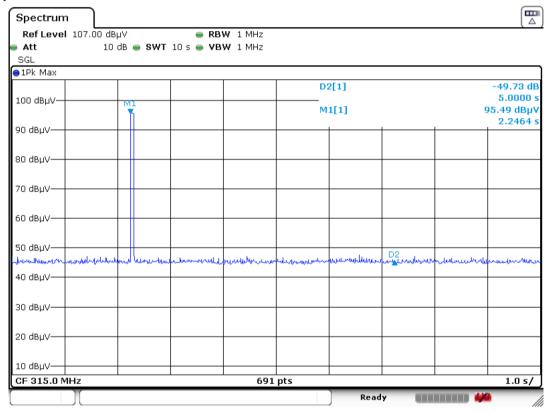
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### 4.Dwell Time

#### **Measurement Data:**

Test item	Limit (s)	Results	
Transmission Duration	<b>≤</b> 5s	Pass	

### Test plot as follows:



- End of the Report -



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