

APPLICATION CERTIFICATION
On Behalf of
GUANGDONG OML TECHNOLOGYCO.,LTD

Mini RF remote controller
Model No.: SP104R

FCC ID: 2AVBD-SP104R

Prepared for : GUANGDONG OML TECHNOLOGYCO.,LTD
Address : No.38 HETONG ROAD, DONGFENG TOWN,
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Prepared by : Shenzhen Accurate Technology Co., Ltd.
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Report Number : ATE20191668
Date of Test : November 26-27, 2019
Date of Report : December 6, 2019

TABLE OF CONTENTS

Description	Page
Test Report Certification	
1. GENERAL INFORMATION	4
1.1. Description of Device (EUT).....	4
1.2. Description of Test Facility	5
1.3. Measurement Uncertainty	5
2. MEASURING DEVICE AND TEST EQUIPMENT	6
3. SUMMARY OF TEST RESULTS.....	7
4. THE FIELD STRENGTH OF RADIATION EMISSION	8
4.1. Block Diagram of Test Setup.....	8
4.2. The Field Strength of Radiation Emission Measurement Limits.....	9
4.3. Configuration of EUT on Measurement	10
4.4. Operating Condition of EUT	10
4.5. Test Procedure	10
4.6. The Field Strength of Radiation Emission Measurement Results	11
5. 20DB OCCUPIED BANDWIDTH	13
5.1. Block Diagram of Test Setup.....	13
5.2. The Bandwidth of Emission Limit According To FCC Part 15 Section 15.231(c)	13
5.3. EUT Configuration on Measurement	14
5.4. Operating Condition of EUT	14
5.5. Test Procedure	14
5.6. Measurement Result	14
6. RELEASE TIME MEASUREMENT.....	15
6.1. Block Diagram of Test Setup.....	15
6.2. Release Time Measurement According To FCC Part 15 Section 15.231(a)	15
6.3. EUT Configuration on Measurement	16
6.4. Operating Condition of EUT	16
6.5. Test Procedure	16
6.6. Measurement Result	16
7. AVERAGE FACTOR MEASUREMENT	17
7.1. Block Diagram of Test Setup.....	17
7.2. Average factor Measurement according to ANSI C63.10-2013.....	17
7.3. EUT Configuration on Measurement	18
7.4. Operating Condition of EUT	18
7.5. Test Procedure	18
7.6. Measurement Result	18
8. ANTENNA REQUIREMENT.....	19
8.1. The Requirement	19
8.2. Antenna Construction	19

Test Report Certification

Applicant : GUANGDONG OML TECHNOLOGYCO.,LTD
Manufacturer : GUANGDONG OML TECHNOLOGYCO.,LTD
Product : Mini RF remote controller
Model No. : SP104R
Trade name : N/A

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.231a
ANSI C63.10-2013**

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.231a. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd..

Date of Test :

November 26-27, 2019

Date of Report :

December 6, 2019

Prepared by :

Bob Wang
(Bob Wang, Engineer)


Approved & Authorized Signer :

Sean Liu
(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Mini RF remote controller

Model Number : SP104R

Power Supply : DC 3V(Powered by battery)

Modulation: : OOK

antenna gain : 2dBi

TX Frequency : 434MHz

Type of Antenna : PCB antenna

Applicant : GUANGDONG OML TECHNOLOGYCO.,LTD

Address : No.38 HETONG ROAD, DONGFENG TOWN,
ZHONGSHAN, Guangdong, China

Manufacturer : GUANGDONG OML TECHNOLOGYCO.,LTD

Address : No.38 HETONG ROAD, DONGFENG TOWN,
ZHONGSHAN, Guangdong, China

Date of sample received : November 20, 2019

Date of Test : November 26-27, 2019

Sample No. : 1901431

1.2. Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications Commission (FCC)
The Designation Number is CN1189
The Registration Number is 708358

Listed by Innovation, Science and Economic Development Canada (ISED)
The Registration Number is 5077A-2

Accredited by China National Accreditation Service for Conformity Assessment (CNAS)
The Registration Number is CNAS L3193

Accredited by American Association for Laboratory Accreditation (A2LA)
The Certificate Number is 4297.01

Name of Firm : Shenzhen Accurate Technology Co., Ltd.

Site Location : 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

1.3. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 05, 2019	One Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 05, 2019	One Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 05, 2019	One Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 05, 2019	One Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 05, 2019	One Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 05, 2019	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 05, 2019	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 05, 2019	One Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 05, 2019	One Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 05, 2019	One Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 05, 2019	One Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 05, 2019	One Year

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
Section 15.231(b)	Radiated Emission	Compliant
Section 15.231(c)	20dB Bandwidth	Compliant
Section 15.231(a)(1)	Release Time Measurement	Compliant
Section 15.203	Antenna Requirement	Compliant

The product is a manually operated transmitter.

Section 15.231 (a) (2), (3), (4) and (5) are not applicable.

Note: The power supply mode of the EUT is DC 3V, According to the FCC standard requirements, conducted emission is not applicable

All normal using modes of the normal function were tested but only the worst test data of the worst mode is recorded by this report.

4. THE FIELD STRENGTH OF RADIATION EMISSION

4.1. Block Diagram of Test Setup

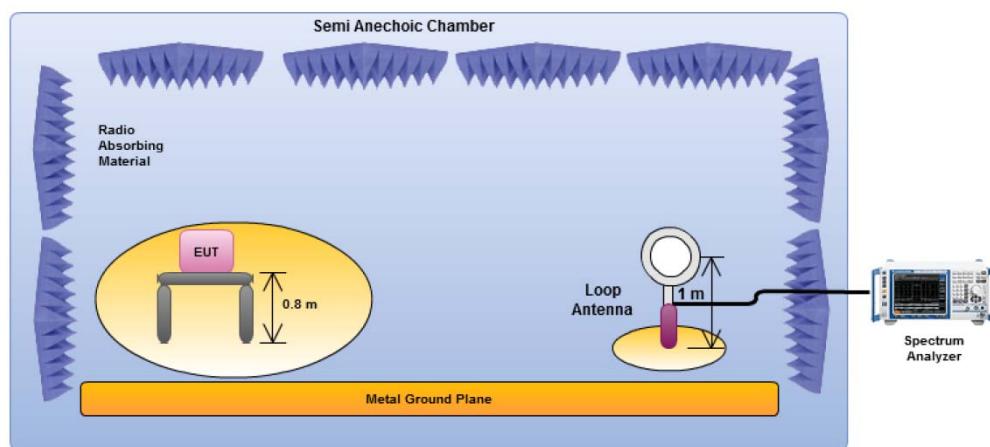
4.1.1. Block diagram of connection between the EUT and simulators



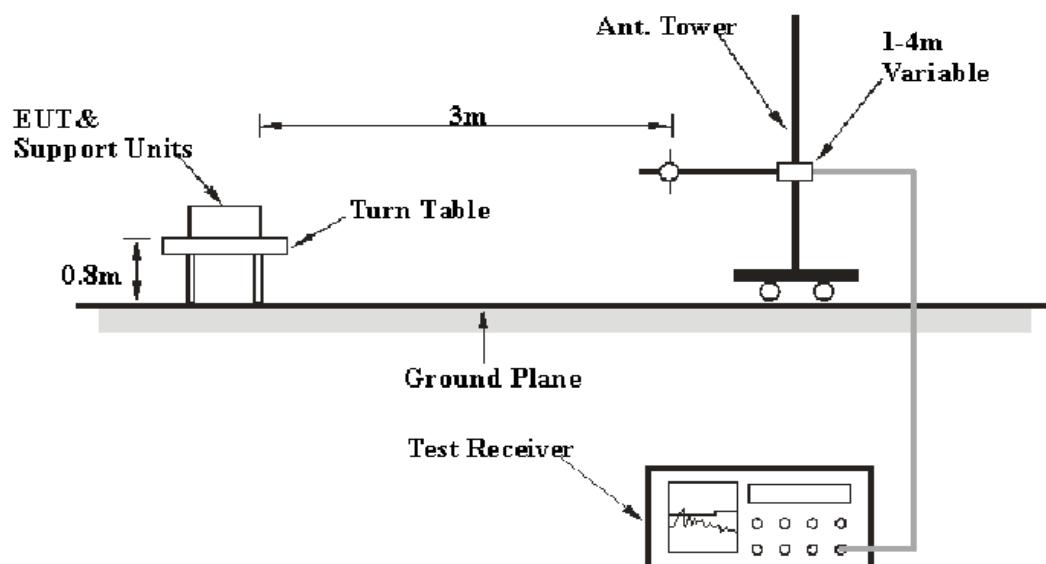
(EUT: Mini RF remote controller)

4.1.2. Semi-Anechoic Chamber Test Setup Diagram

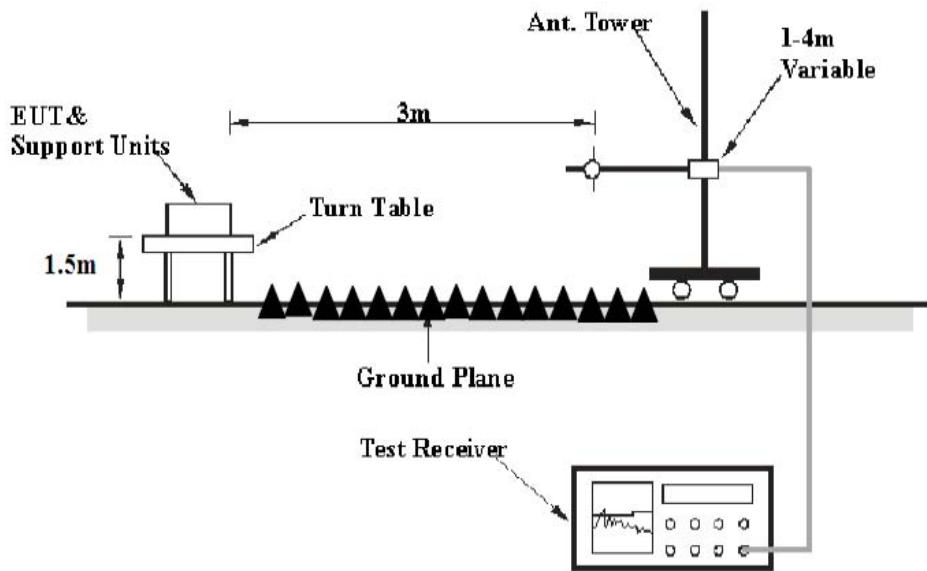
Below 30MHz



Below 1GHz:



Above 1GHz:



(EUT: Mini RF remote controller)

4.2. The Field Strength of Radiation Emission Measurement Limits

4.2.1. Radiation Emission Measurement Limits According to FCC Part 15 Section 15.231(b)

Frequency Range of Fundamental [MHz]	Field Strength of Fundamental Emission [Average] [μ V/m]	Field Strength of Spurious Emission [Average] [μ V/m]
40.66-40.70	2250	225
70-130	1250	125
130-174	1250-3750	125-375
174-260	3750	375
260-470	3750-12500	375-1250
Above 470	12500	1250

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, μ V/m at 3 meters = $56.81818(F) - 6136.3636$; for the band 260-470 MHz, μ 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.

4.2.2. Restricted Band Radiation Emission Measurement Limits According to FCC part 15 Section 15.205 and Section15.209.

4.3. Configuration of EUT on Measurement

The following equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.3.1. Mini RF remote controller (EUT)

Model Number : SP104R
Serial Number : N/A
Manufacturer : GUANGDONG OML TECHNOLOGYCO.,LTD

4.4. Operating Condition of EUT

4.4.1. Setup the EUT and simulator as shown as Section 4.1.

4.4.2. Turn on the power of all equipment.

4.4.3. Let the EUT work in TX mode measure it.

4.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 120 kHz in 30-1000 MHz, and 1 MHz in 1000-5000 MHz.

The frequency range from 30 MHz to 5000 MHz is checked.

4.6.The Field Strength of Radiation Emission Measurement Results

PASS.

The frequency range 30MHz to 5000MHz is investigated.

EUT:	<u>Mini RF remote controller</u>		Power Supply:	<u>DC 3V</u>	
Model No.:	<u>SP104R</u>		Test Engineer:	<u>Frank</u>	
Test Mode:	<u>TX</u>				

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr.	Average Factor	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
31.5121	35.63	-20.57	-	-	15.06	-	40.00	-	-24.94 (QP)	Vertical
46.8721	35.43	-25.08	-	-	10.35	-	40.00	-	-29.65 (QP)	
222.2803	36.45	-23.98	-	-	12.47	-	46.00	-	-33.53 (QP)	
655.9764	34.71	-12.52	-	-	22.19	-	46.00	-	-23.81 (QP)	
434.0000	97.32	-17.78	-7.91	71.63	79.54	80.83	100.83	-9.20	-21.29	
868.0000	58.97	-7.98	-7.91	43.08	50.99	60.83	80.83	-17.75	-29.84	
2604.0000	55.57	-5.46	-7.91	42.20	50.11	60.83	80.83	-18.63	-30.72	
3038.0000	54.27	-3.13	-7.91	43.23	51.14	60.83	80.83	-17.60	-29.69	
3472.0000	52.47	-1.98	-7.91	42.58	50.49	60.83	80.83	-18.25	-30.34	
3906.0000	50.69	-1.05	-7.91	41.73	49.64	60.83	80.83	-19.10	-31.19	
4340.0000	50.03	-0.48	-7.91	41.61	49.55	60.83	80.83	-19.19	-31.28	
5642.0000	47.22	2.58	-7.91	41.89	49.80	60.83	80.83	-18.94	-31.03	
31.8460	35.38	-20.66	-	-	14.72	-	40.00	-	-25.28 (QP)	Horizontal
64.7590	35.11	-27.29	-	-	7.82	-	40.00	-	-32.18 (QP)	
140.7767	36.02	-27.96	-	-	8.06	-	43.50	-	-35.44 (QP)	
609.3174	34.62	-13.49	-	-	21.13	-	46.00	-	-24.87 (QP)	
434.0000	107.92	-17.78	-7.91	80.22	88.13	80.83	100.83	-0.61	-12.70	
868.0000	64.72	-7.98	-7.91	48.83	56.74	60.83	80.83	-12.00	-24.09	
1302.0000	62.25	-10.43	-7.91	43.91	51.82	60.83	80.83	-16.92	-29.01	
2604.0000	56.82	-5.46	-7.91	43.45	51.36	60.83	80.83	-17.38	-29.47	
3038.0000	54.51	-3.13	-7.91	43.47	51.38	60.83	80.83	-17.36	-29.45	

3472.0000	51.65	-1.98	-7.91	41.76	49.67	60.83	80.83	-19.07	-31.16	
3906.0000	50.37	-1.05	-7.91	41.41	49.32	60.83	80.83	-19.42	-31.51	
4340.0000	49.88	-0.48	-7.91	41.91	49.40	60.83	80.83	-19.34	-31.43	

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. FCC Limit for Average Measurement = $41.6667(433.92)-7083.3333 = 11000.0145 \mu\text{V/m} = 80.83 \mu\text{V/m}$
4. The spectral diagrams in appendix I display the measurement of peak values.
5. Average value= PK value + Average Factor (duty factor)
6. If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.
7. The EUT is tested radiation emission in three axes(X,Y,Z). The worst emissions are reported in three axes.

8. Pulse Desensitization Correction Factor

Pulse Width (PW) = 1.38ms

$2/\text{PW} = 2/1.38\text{ms} = 1.45\text{kHz}$

RBW (100 kHz) > 2/PW (1.45 kHz)

Therefore PDCF is not needed

5. 20DB OCCUPIED BANDWIDTH

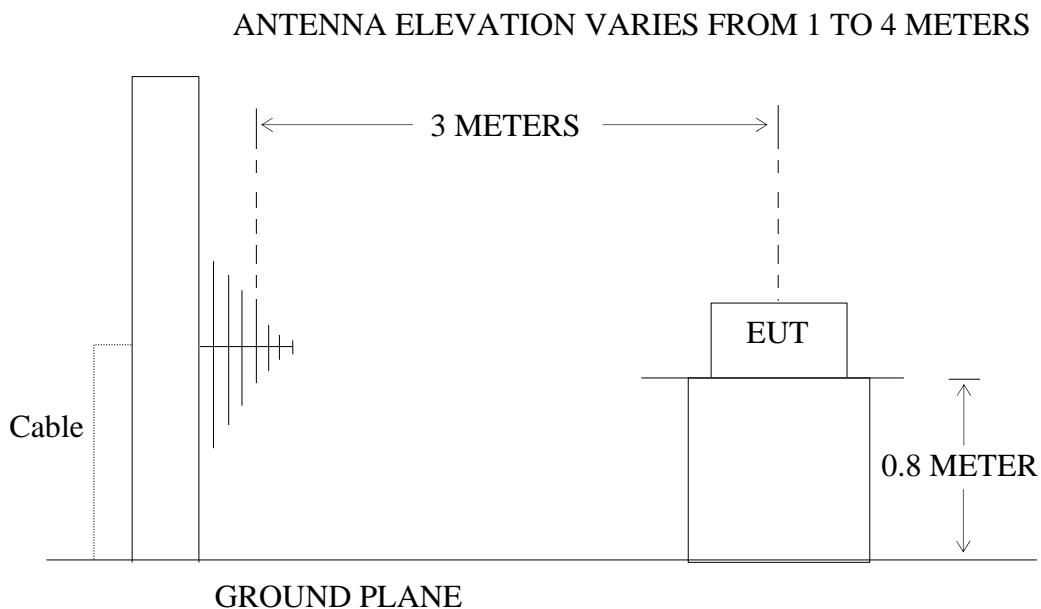
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: Mini RF remote controller)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Mini RF remote controller)

5.2. The Bandwidth of Emission Limit According To FCC Part 15 Section

15.231(c)

The bandwidth of emission shall be no wider than 0.25% of the center frequency. Therefore, the bandwidth of the emission limit is $433.92 \text{ MHz} \times 0.25\% = 1084.8 \text{ kHz}$. Bandwidth is determined at the two points 20 dB down from the top of modulated carrier.

5.3.EUT Configuration on Measurement

The following equipment are installed on the bandwidth of emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.Mini RF remote controller (EUT)

Model Number : SP104R
Serial Number : N/A
Manufacturer : GUANGDONG OML TECHNOLOGYCO.,LTD

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in TX mode measure it.

5.5.Test Procedure

5.5.1.Set SPA Center Frequency = Fundamental frequency, RBW = 10 kHz, VBW = 30 kHz, Span = 1.0MHz.

5.5.2.Set SPA Max hold, Mark peak, -20 dB.

5.6.Measurement Result

The EUT does meet the FCC requirement.

-20 dB bandwidth = 49 kHz < 1084.8 kHz.

The spectral diagrams in appendix I.

6. RELEASE TIME MEASUREMENT

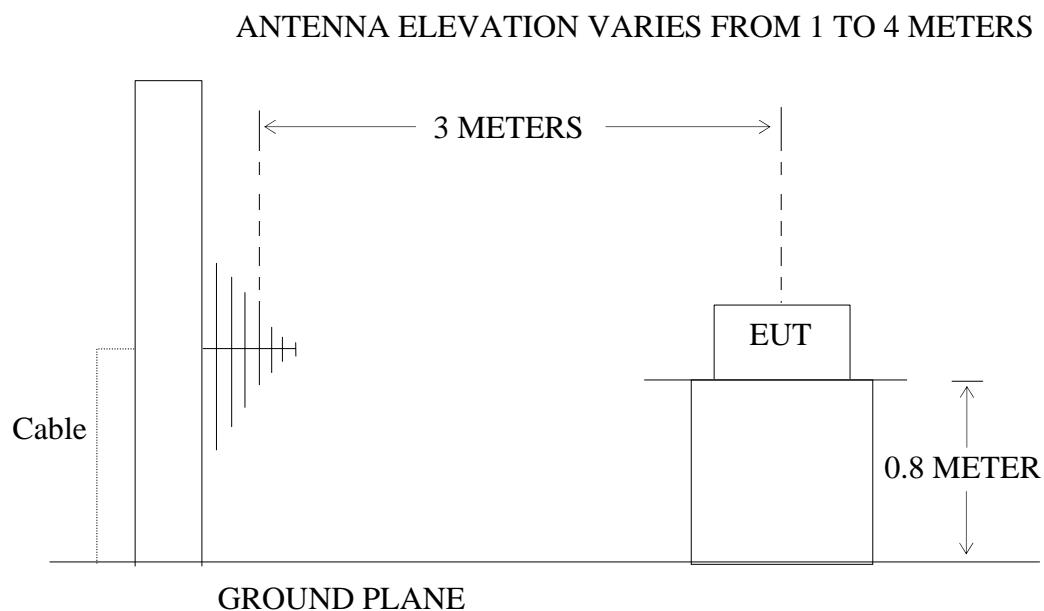
6.1. Block Diagram of Test Setup

6.1.1. Block diagram of connection between the EUT and simulators



(EUT: Mini RF remote controller)

6.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Mini RF remote controller)

6.2. Release Time Measurement According To FCC Part 15 Section 15.231(a)

Section 15.231(a) (1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

6.3.EUT Configuration on Measurement

The following equipment are installed on Release Time Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1. Mini RF remote controller (EUT)

Model Number : SP104R
Serial Number : N/A
Manufacturer : GUANGDONG OML TECHNOLOGYCO.,LTD

6.4.Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX mode measure it.

6.5.Test Procedure

6.5.1. Set SPA Center Frequency = Fundamental frequency, RBW = 100 kHz, VBW = 300 kHz, Span = 0 Hz. Sweep time = 10 s.

6.5.2. Set EUT as normal operation and press Transmitter button.

6.5.3. Set SPA View. Delta Mark time.

6.6. Measurement Result

The release time less than 5 seconds.

Release Time = 0.67ms

The spectral diagrams in appendix I.

7. AVERAGE FACTOR MEASUREMENT

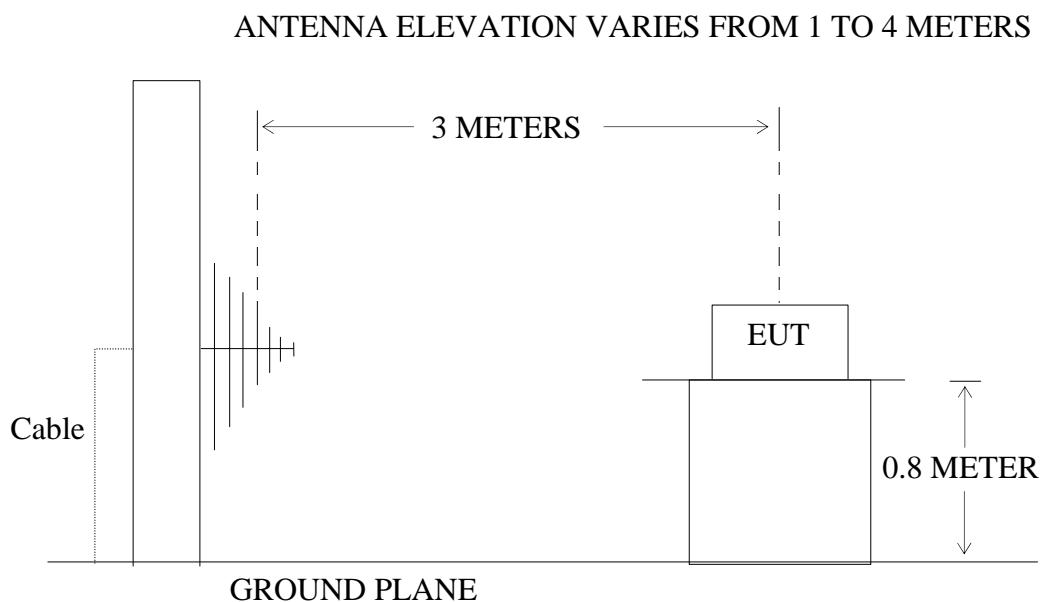
7.1. Block Diagram of Test Setup

7.1.1. Block diagram of connection between the EUT and simulators



(EUT: Mini RF remote controller)

7.1.2. Semi-Anechoic Chamber Test Setup Diagram



7.2. Average factor Measurement according to ANSI C63.10-2013

ANSI C63.10-2013 Section 7.5 Unless otherwise specified, when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 s (100 ms). In cases where the pulse train exceeds 0.1 s, the measured field strength shall be determined during a 0.1 s interval.⁶⁴ The following procedure is an example of how the average value may be determined. The average field strength may be found by measuring the peak pulse amplitude (in log equivalent units) and determining the duty cycle correction factor (in dB) associated with the pulse modulation as shown in Equation (10):

$$\text{Average factor in dB} = 20 \log (\text{duty cycle})$$

7.3.EUT Configuration on Measurement

The following equipment are installed on average factor Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.3.1. Mini RF remote controller (EUT)

Model Number : SP104R
Serial Number : N/A
Manufacturer : GUANGDONG OML TECHNOLOGYCO.,LTD

7.4.Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX mode measure it.

7.5.Test Procedure

7.5.1. The time period over which the duty cycle is measured is 100 milliseconds, or the repetition cycle, whichever is a shorter time frame. The worst case (highest percentage on) duty cycle is used for the calculation.

7.5.2. Set SPA Center Frequency = Fundamental frequency, RBW = 100 kHz, VBW = 300 kHz, Span = 0 Hz.

7.5.3. Set EUT as normal operation.

7.5.4. Set SPA View. Delta Mark time.

7.6. Measurement Result

The duty cycle is simply the on time divided by the period:
The duration of one cycle = 57.30ms

Effective period of the cycle = $(5.10 \times 1) + (1.38 \times 13)$ ms = 23.04 ms

DC = 23.04ms/57.30ms = 0.402

Therefore, the average factor is found by $20\log 0.402 = -7.91$ dB

The spectral diagrams in appendix I.

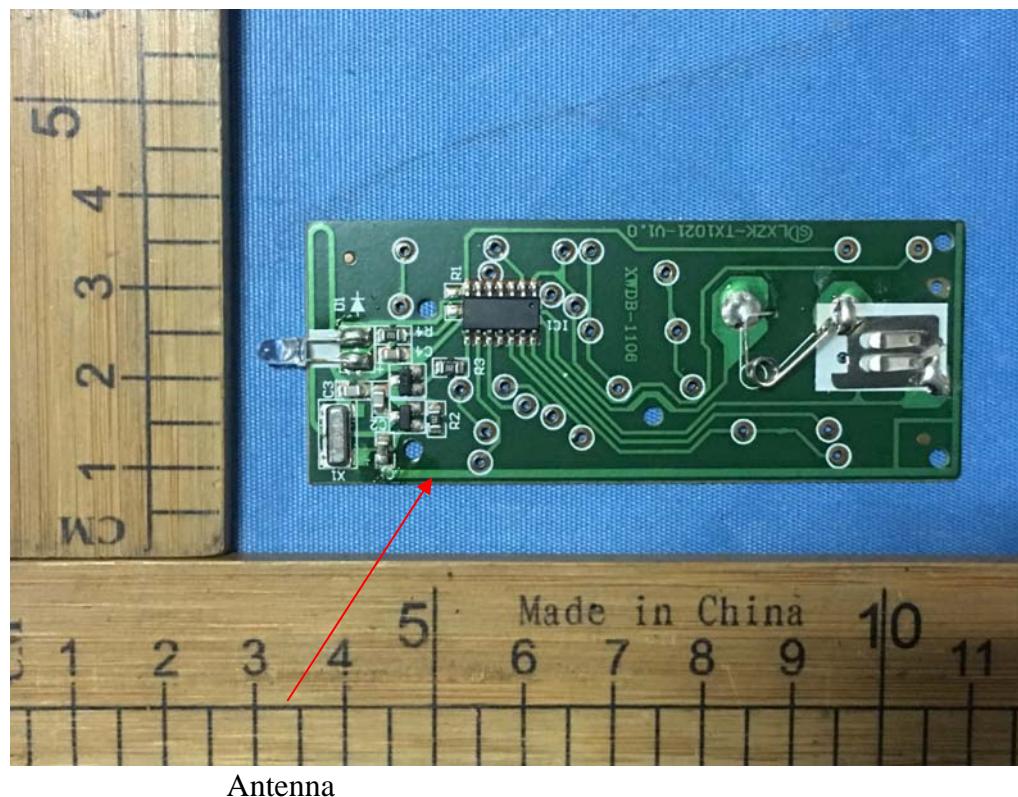
8. ANTENNA REQUIREMENT

8.1. The Requirement

According to Section 15.203, 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.

8.2. Antenna Construction

Device is equipped with PCB antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



APPENDIX I (Test Curves)

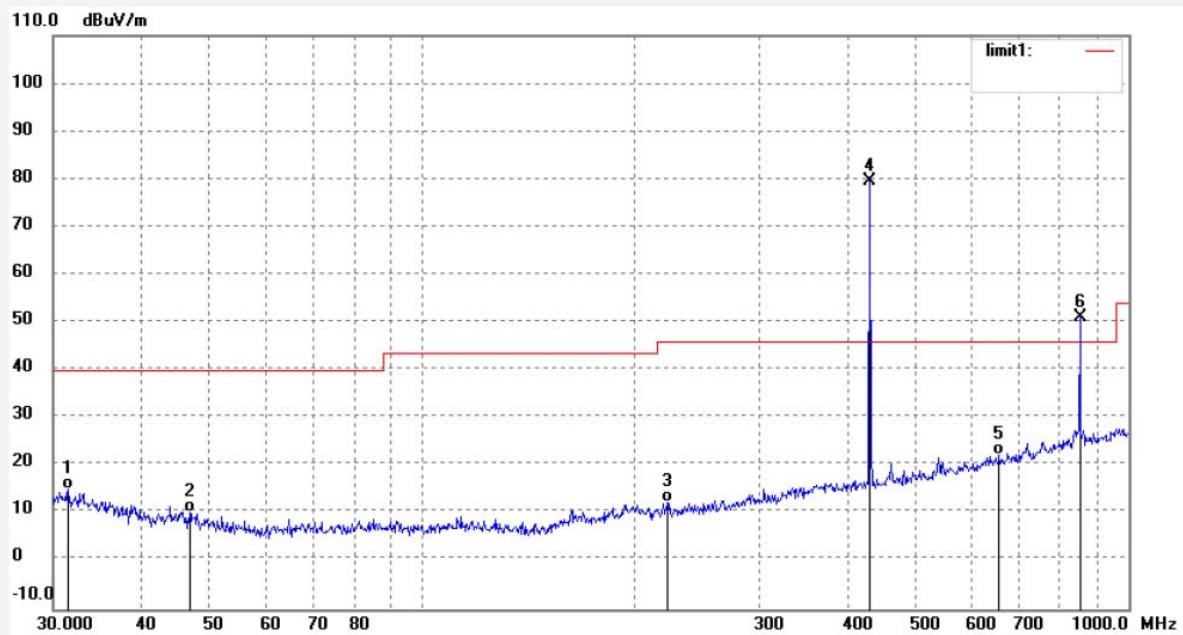


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.:	FRANK2019 #1690	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3V
Test item:	Radiation Test	Date:	2019/11/26
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	17:07:51
EUT:	Mini RF remote controller	Engineer Signature:	
Mode:	TX434MHz	Distance:	3m
Model:	SP104R		
Manufacturer:	GUANGDONG OML TECHNOLOGY CO.,LTD		
Note:	Report NO.:ATE20191668		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.5121	35.63	-20.57	15.06	40.00	-24.94	QP	100	305	
2	46.8721	35.43	-25.08	10.35	40.00	-29.65	QP	100	156	
3	222.2803	36.45	-23.98	12.47	46.00	-33.53	QP	100	62	
4	434.0000	97.32	-17.78	79.54	100.83	-21.29	peak	100	150	
5	655.9764	34.71	-12.52	22.19	46.00	-23.81	QP	100	109	
6	868.0000	58.97	-7.98	50.99	80.83	-29.84	peak	100	201	



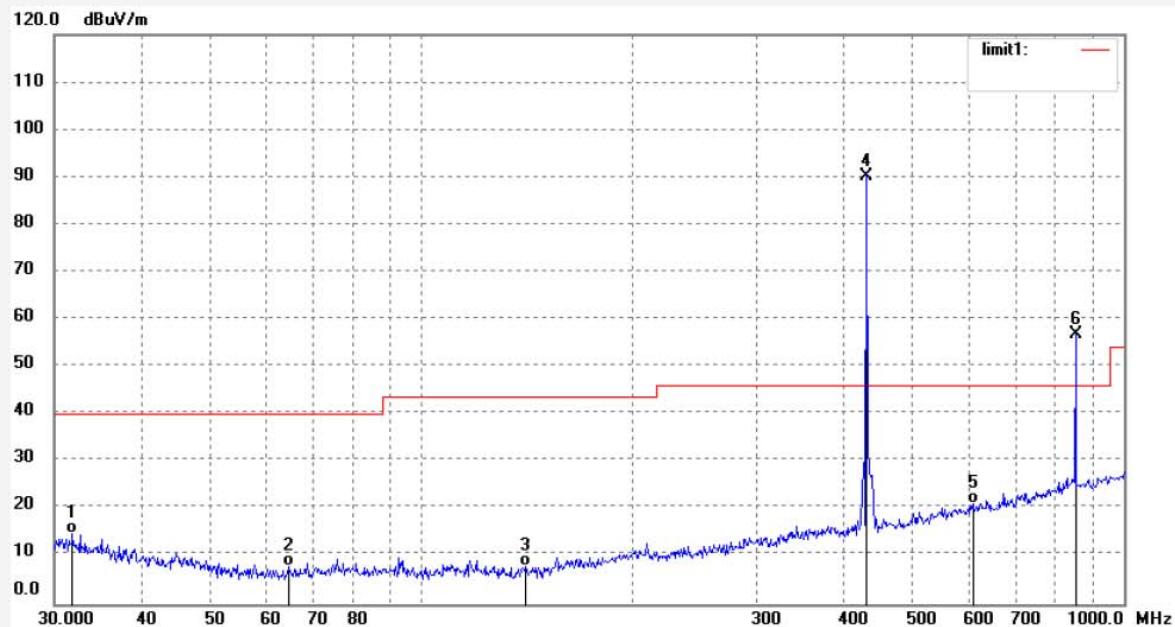
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: FRANK2019 #1691	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 2019/11/26
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17:11:26
EUT: Mini RF remote controller	Engineer Signature:
Mode: TX434MHz	Distance: 3m
Model: SP104R	
Manufacturer: GUANGDONG OML TECHNOLOGY CO.,LTD	

Note: Report NO.:ATE20191668



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	31.8460	35.38	-20.66	14.72	40.00	-25.28	QP	200	215	
2	64.7590	35.11	-27.29	7.82	40.00	-32.18	QP	200	331	
3	140.7767	36.02	-27.96	8.06	43.50	-35.44	QP	200	63	
4	434.0000	107.92	-17.78	88.13	100.83	-12.70	peak	200	210	
5	609.3174	34.62	-13.49	21.13	46.00	-24.87	QP	200	109	
6	868.0000	64.72	-7.98	56.74	80.83	-24.09	peak	200	100	

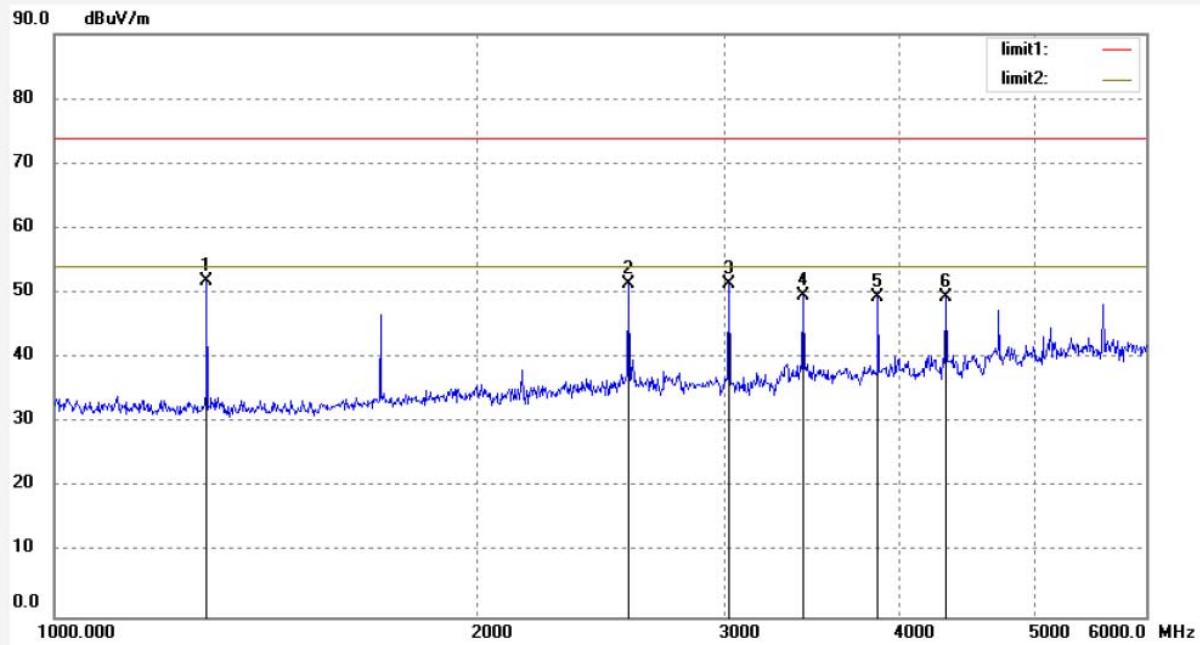


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	FRANK2019 #1692	Polarization:	Horizontal
Standard:	FCC PK	Power Source:	DC 3V
Test item:	Radiation Test	Date:	19/11/27/
Temp.(C)/Hum.(%)	25 C / 55 %	Time:	9/46/21
EUT:	Mini RF remote controller	Engineer Signature:	
Mode:	TX434MHz	Distance:	3m
Model:	SP104R		
Manufacturer:	GUANGDONG OML TECHNOLOGY CO.,LTD		
Note:	Report NO.:ATE20191668		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1302.000	62.25	-10.43	51.82	80.83	-29.01	peak			
2	2604.000	56.82	-5.46	51.36	80.83	-29.47	peak			
3	3038.000	54.51	-3.13	51.38	80.83	-29.45	peak			
4	3472.000	51.65	-1.98	49.67	80.83	-31.16	peak			
5	3906.000	50.37	-1.05	49.32	80.83	-31.51	peak			
6	4340.000	49.88	-0.48	49.40	80.83	-31.43	peak			



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: FRANK2019 #1693

Polarization: Vertical

Standard: FCC PK

Power Source: DC 3V

Test item: Radiation Test

Date: 19/11/27

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 9/52/34

EUT: Mini RF remote controller

Engineer Signature:

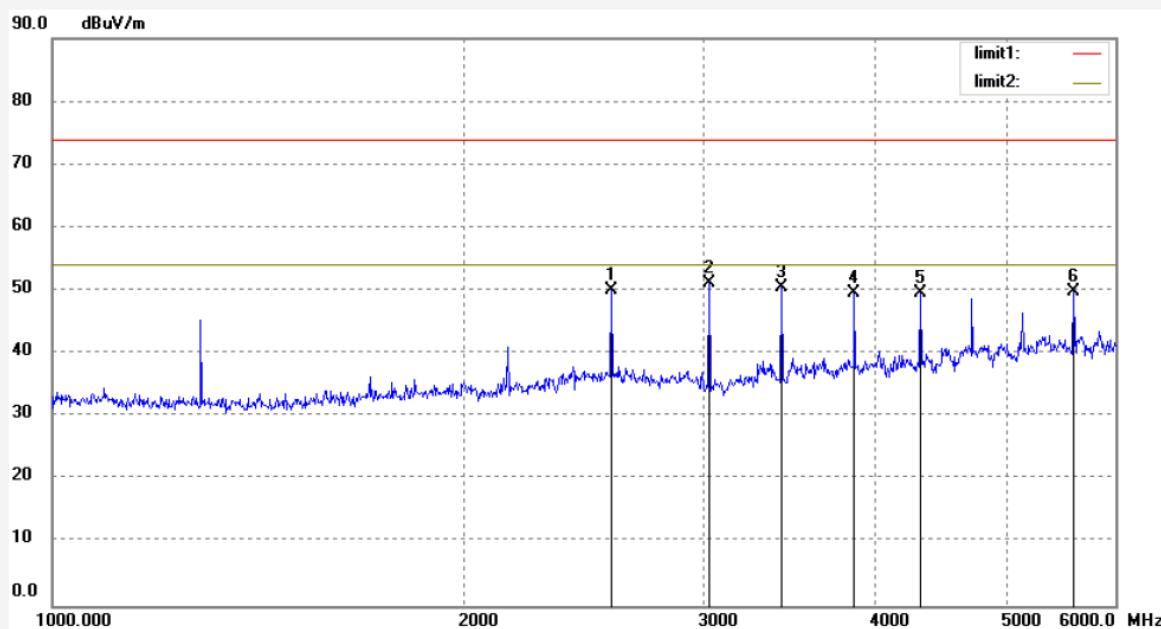
Mode: TX434MHz

Distance: 3m

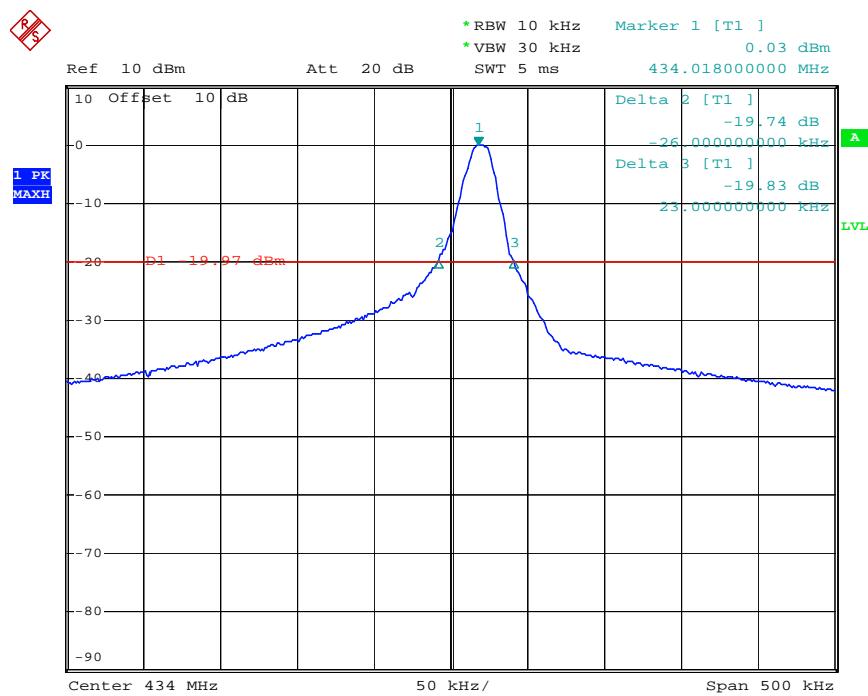
Model: SP104R

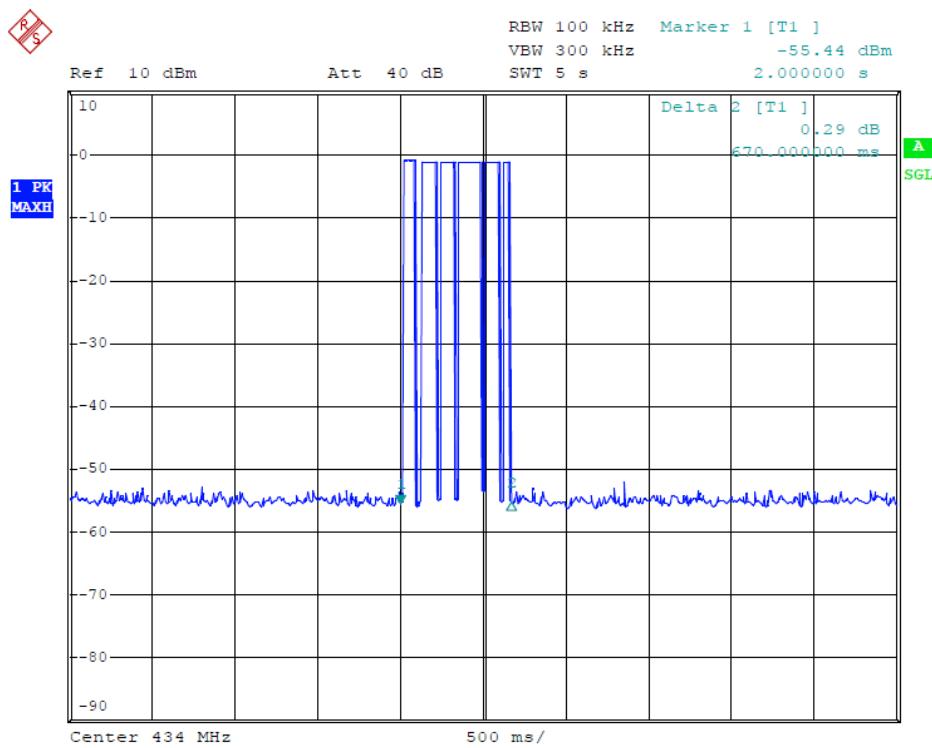
Manufacturer: GUANGDONG OML TECHNOLOGY CO.,LTD

Note: Report NO.:ATE20191668



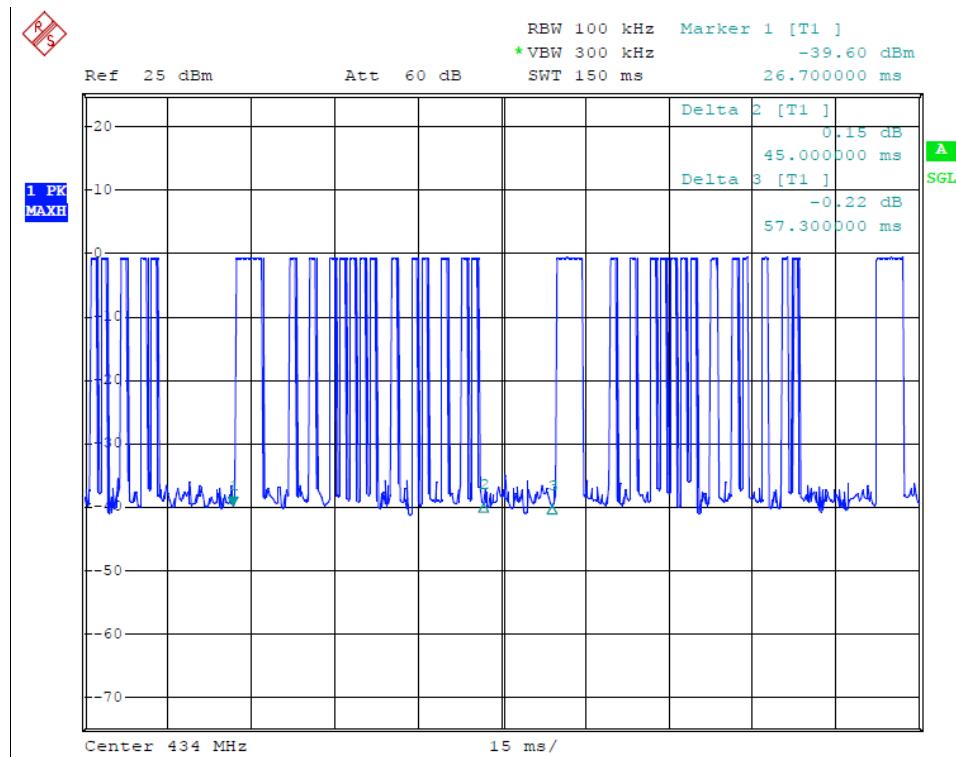
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2604.000	55.57	-5.46	50.11	80.83	-30.72	peak			
2	3038.000	54.27	-3.13	51.14	80.83	-29.69	peak			
3	3472.000	52.47	-1.98	50.49	80.83	-30.34	peak			
4	3906.000	50.69	-1.05	49.64	80.83	-31.19	peak			
5	4340.000	50.03	-0.48	49.55	80.83	-31.28	peak			
6	5642.000	47.22	2.58	49.80	80.83	-31.03	peak			

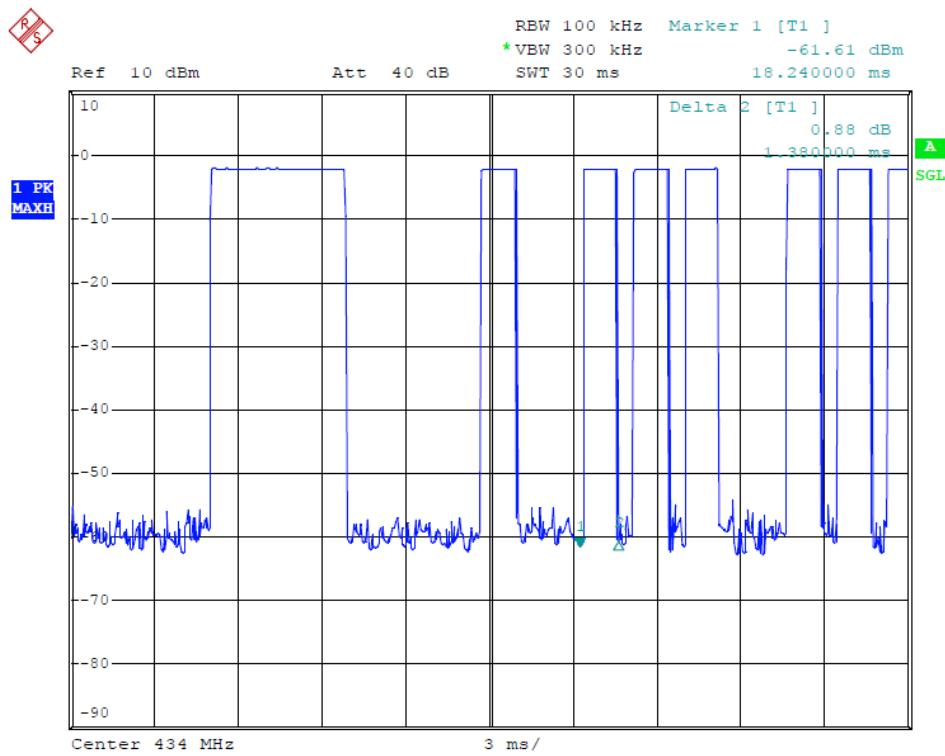




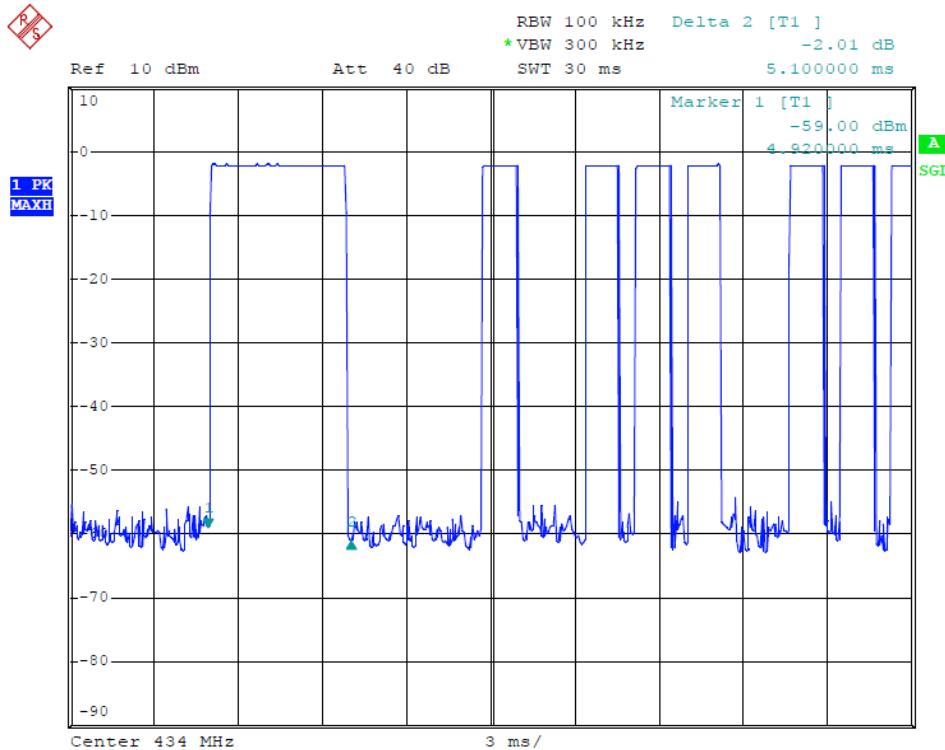
Release Time = 0.67ms

The graph shows the pattern of coding during the signal transmission.
The duration of one cycle = 57.30 ms.





The graph shows the duration of 'on' signal. From marker 1 to marker 1, duration is 1.38ms.



The graph shows the duration of 'on' signal. From marker 1 to marker 1, duration is 5.10ms.