# **FCC Test Report**

Report No.: AGC04900161002FE03

FCC ID : 2AANZQDRCELL

**APPLICATION PURPOSE** : Original Equipment

**PRODUCT DESIGNATION**: Remote Control

**BRAND NAME** : N/A

**MODEL NAME** : AW-QDR-CELL

**CLIENT** : DGL Group LTD.

**DATE OF ISSUE** : Nov. 05, 2016

STANDARD(S)

TEST PROCEDURE(S) : FCC Part 15 Rules

**REPORT VERSION** V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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# **Report Revise Record**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Nov. 05, 2016	Valid	Original Report

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# 1. VERIFICATION OF CONFORMITY

Applicant	DGL Group LTD.
Address	195 Raritan Center Parkway Edison, New Jersey United States 08837
Manufacturer	DGL Group LTD.
Address	195 Raritan Center Parkway Edison, New Jersey United States 08837
Product Designation	Remote Control
Brand Name	N/A
Test Model	AW-QDR-CELL
Date of test	Oct.20, 2016 to Oct. 21, 2016
Deviation	None
<b>Condition of Test Sample</b>	Normal
Test Result	Pass
Report Template	AGCRT-US-BR/RF

We hereby certify that:

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.249.

Tested by

Max Zhang(Zhang Yi)

Nov. 05, 2016

Reviewed by

Bart Xie(Xie Xiaobin))

Approved by

Solger Zhang(Zhang Hongyi)

Authorized Officer

Nov. 05, 2016

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#### 2. GENERAL INFORMATION

# 2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

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Operation Frequency	2.405 GHz to 2.475GHz			
Maximum field strength	86.13dBuV/m@3m(AV)			
Modulation	GFSK			
Number of channels	71			
Antenna Gain	3dBi			
Antenna Designation	Wire Antenna (Met 15.203 Antenna requirement)			
Hardware Version	HY-851TX-LG			
Software Version	V1.0			
Power Supply	DC 6V by battery			

# 2.2. TABLE OF CARRIER FREQUENCY

Frequency Band	Channel Number	Frequency
	1	2405MHZ
	2	2406MHZ
2400~2483.5MHZ		
2400~2463.3IVIITZ		
	70	2474MHZ
	71	2475MHZ

Note: The channel spacing is 1MHz.

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#### 3. MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±3.18dB
2	All emissions,radiated	±3.91dB
3	Temperature	±0.5°C
4	Humidity	±2%

# 4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX in GFSK modulation
2	Middle channel TX in GFSK modulation
3	High channel TX in GFSK modulation
Motor	

#### Note:

- 1. All the test modes can be supply by battery, only the result of the worst case was recorded in the report, if no other cases.
- 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

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# 5. SYSTEM TEST CONFIGURATION

# **5.1. CONFIGURATION OF EUT SYSTEM**

Configure 1:

EUT

# **5.2. EQUIPMENT USED IN EUT SYSTEM**

Item	Equipment	Model No.	ID or Specification	Remark
1	Remote Control	AW-QDR-CELL	2AANZQDRCELL	EUT

# **5.3. SUMMARY OF TEST RESULTS**

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249	Radiated Emission	Compliant
§15.249	Band Edges	Compliant
§15.215	20dB bandwidth	Compliant

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# **6. TEST FACILITY**

Site Dongguan Precise Testing Service Co., Ltd.	
Location  Building D, Baoding Technology Park, Guangming Road2, Dongcheng Distric Dongguan, Guangdong, China.	
FCC Registration No.	371540
Description	The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2014.

# **ALL TEST EQUIPMENT LIST**

Radiated Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Test Receiver	Rohde & Schwarz	ESCI	101417	July 3, 2016	July 2, 2017
Trilog Broadband Antenna (25M-1GHz)	SCHWARZBECK	VULB9160	9160-3355	July 3, 2016	July 2, 2017
Signal Amplifier	SCHWARZBECK	BBV 9475	9745-0013	July 3, 2016	July 2, 2017
RF Cable	SCHWARZBECK	AK9515E	96221	July 3, 2016	July 2, 2017
3m Anechoic Chamber	CHENGYU	966	PTS-001	June 3, 2016	June 2, 2017
MULTI-DEVICE Positioning Controller	Max-Full	MF-7802	MF780208339	N/A	N/A
Active loop antenna (9K-30MHz)	Schwarzbeck	FMZB1519	1519-038	June 3, 2016	June 2, 2017
Spectrum analyzer	Agilent	E4407B	MY46185649	June 3, 2016	June 2, 2017
Horn Antenna (1G-18GHz)	SCHWARZBECK	BBHA9120D	9120D-1246	June 3, 2016	June 2, 2017
Horn Ant (18G-40GHz)	Schwarzbeck	BBHA 9170	9170-181	June 3, 2016	June 2, 2017

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# 7. RADIATED EMISSION

# 7.1TEST LIMIT

#### Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental	Field Strength of Harmonics	
	(millivolts/meter)	(microvolts/meter)	
900-928MHz	50	500	
2400-2483.5MHz	50	500	
5725-5875MHz	50	500	
24.0-24.25GHz	250	2500	

#### Standard FCC 15.209

Frequency	Distance	Field Strengths Limit			
(MHz)	Meters	μ V/m	dB(μV)/m		
0.009 ~ 0.490	300	2400/F(kHz)			
0.490 ~ 1.705	30	24000/F(kHz)			
1.705 ~ 30	30	30			
30 ~ 88	3	100	40.0		
88 ~ 216	3	150	43.5		
216 ~ 960	3	200	46.0		
960 ~ 1000	3	500	54.0		
Above 1000	3	Other:74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)			

Remark:

- (1) Emission level dB $\mu$  V = 20 log Emission level  $\mu$  V/m
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

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#### 7.2. MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, 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 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/1MHz for Peak, 1MHz/10Hz for Average

Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

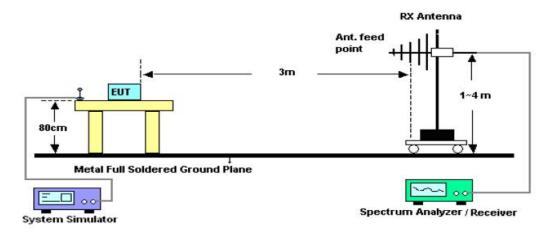
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#### 7.3. TEST SETUP

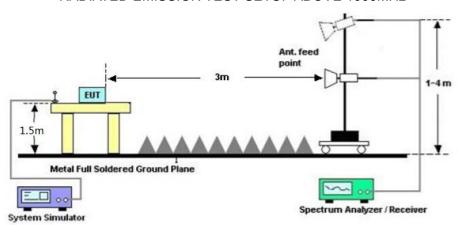
# Radiated Emission Test-Setup Frequency Below 30MHz



#### RADIATED EMISSION TEST SETUP 30MHz-1000MHz



# RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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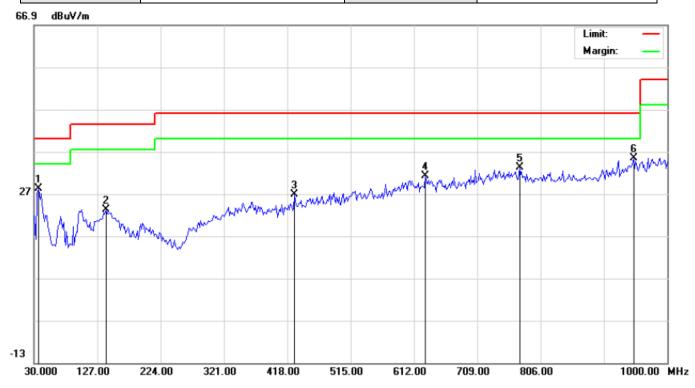
# 7.4. TEST RESULT

# **RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequencies to 30MHz.

# **RADIATED EMISSION 30MHz-1GHZ**

EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 1	Polarization :	Horizontal

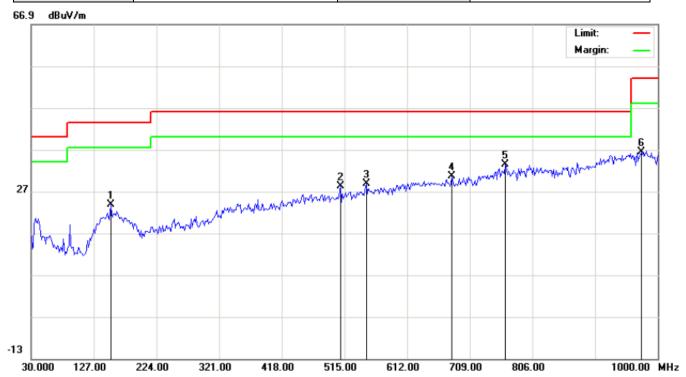


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		36.4667	20.84	7.34	28.18	40.00	-11.82	peak			
2		139.9333	7.98	15.17	23.15	43.50	-20.35	peak			
3		429.3167	6.92	19.96	26.88	46.00	-19.12	peak			
4		629.7833	7.42	23.80	31.22	46.00	-14.78	peak			
5		773.6667	6.19	26.96	33.15	46.00	-12.85	peak			
6	*	948.2667	5.40	29.95	35.35	46.00	-10.65	peak			

**RESULT: PASS** 

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EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 1	Polarization :	Vertical



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		152.8667	8.52	15.28	23.80	43.50	-19.70	peak			
2		508.5333	6.94	21.36	28.30	46.00	-17.70	peak			
3		548.9500	6.36	22.45	28.81	46.00	-17.19	peak			
4		681.5167	5.94	24.69	30.63	46.00	-15.37	peak			
5	*	763.9667	6.60	26.82	33.42	46.00	-12.58	peak			
6		974.1333	6.62	29.77	36.39	54.00	-17.61	peak			

#### **RESULT: PASS**

# Note:

Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

The mode 1 is the worst case, and only the data of the worst case recorded in this test report.

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# **RADIATED EMISSION ABOVE 1GHZ**

EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 1	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2405.013	100.15	-9.37	90.78	114	-23.22	peak
2405.013	95.12	-9.37	85.75	94	-8.25	AVG
4810.026	48.38	3.74	52.12	74	-21.88	peak
4810.026	43.21	3.74	46.95	54	-7.05	AVG
7215.039	41.87	8.14	50.01	74	-23.99	peak
7215.039	36.74	8.14	44.88	54	-9.12	AVG
Remark:						
-actor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 1	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
2405.013	98.07	-9.37	88.7	114	-25.3	peak		
2405.013	93.11	-9.37	83.74	94	-10.26	AVG		
4810.026	47.28	3.74	51.02	74	-22.98	peak		
4810.026	42.54	3.74	46.28	54	-7.72	AVG		
7215.039	7215.039 41.67 8.14 49.81 74 -24.19 peak							
7215.039	7215.039 36.53 8.14 44.67 54 -9.33 AVG							
Remark:								
Factor = Ante	-actor = Antenna Factor + Cable Loss – Pre-amplifier.							

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EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 2	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2445.016	99.67	-9.63	90.04	114	-23.96	peak
2445.016	94.31	-9.63	84.68	94	-9.32	AVG
4890.032	48.96	3.76	52.72	74	-21.28	peak
4890.032	43.75	3.76	47.51	54	-6.49	AVG
7335.048	43.22	8.17	51.39	74	-22.61	peak
7335.048	38.09	8.17	46.26	54	-7.74	AVG
Remark:						
Factor = Ante	Factor = Antenna Factor + Cable Loss – Pre-amplifier.					

EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 2	Polarization :	Vertical

Meter Reading	Factor	Emission Level	Limits	Margin	Value Tune
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
97.38	-9.63	87.75	114	-26.25	peak
92.15	-9.63	82.52	94	-11.48	AVG
47.94	3.76	51.7	74	-22.3	peak
42.59	3.76	46.35	54	-7.65	AVG
42.38	8.17	50.55	74	-23.45	peak
36.95	8.17	45.12	54	-8.88	AVG
lemark:					
	(dBµV) 97.38 92.15 47.94 42.59 42.38	(dBμV) (dB) 97.38 -9.63 92.15 -9.63 47.94 3.76 42.59 3.76 42.38 8.17	(dBμV)     (dB)     (dBμV/m)       97.38     -9.63     87.75       92.15     -9.63     82.52       47.94     3.76     51.7       42.59     3.76     46.35       42.38     8.17     50.55	(dBμV)     (dB)     (dBμV/m)     (dBμV/m)       97.38     -9.63     87.75     114       92.15     -9.63     82.52     94       47.94     3.76     51.7     74       42.59     3.76     46.35     54       42.38     8.17     50.55     74	(dBμV)     (dB)     (dBμV/m)     (dBμV/m)     (dBμV/m)       97.38     -9.63     87.75     114     -26.25       92.15     -9.63     82.52     94     -11.48       47.94     3.76     51.7     74     -22.3       42.59     3.76     46.35     54     -7.65       42.38     8.17     50.55     74     -23.45

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 3	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2475.021	101.18	-9.61	91.57	114	-22.43	peak
2475.021	95.74	-9.61	86.13	94	-7.87	AVG
4950.042	53.22	3.83	57.05	74	-16.95	peak
4950.042	47.95	3.83	51.78	54	-2.22	AVG
7425.063	41.85	8.21	50.06	74	-23.94	peak
7425.063	36.74	8.21	44.95	54	-9.05	AVG
Remark:						
Factor = Ante	Factor = Antenna Factor + Cable Loss – Pre-amplifier.					

EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 3	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
2475.021	99.04	-9.61	89.43	114	-24.57	peak
2475.021	93.58	-9.61	83.97	94	-10.03	AVG
4950.042	51.76	3.83	55.59	74	-18.41	peak
4950.042	46.28	3.83	50.11	54	-3.89	AVG
7425.063	42.12	8.21	50.33	74	-23.67	peak
7425.063	37.18	8.21	45.39	54	-8.61	AVG
Remark:						
Factor = Ante	Factor = Antenna Factor + Cable Loss – Pre-amplifier.					

**Note:** Other emissions from 8G to 25 GHz are considered as ambient noise. No recording in the test report. Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

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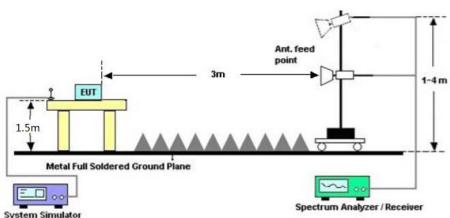
#### 8. BAND EDGE EMISSION

#### **8.1. MEASUREMENT PROCEDURE**

- 1. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2. Max hold the trace of the setp 1,and the EUT operates at hopping-on test mode to verify the largest spurious emissions power.
- 3. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission: (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz; VBW=1/on time(1KHz) / Sweep=AUTO

#### **8.2 TEST SETUP**

# RADIATED EMISSION TEST SETUP



#### **8.3 RADIATED TEST RESULT**

#### Note:

- 1. Factor=Antenna Factor + Cable loss Amplifier gain. Field Strength=Factor + Reading level
- 2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB( $\mu$ V) to represent the Amplitude. Use the F dB( $\mu$ V/m) to represent the Field Strength. So A=F.

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EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 1	Polarization :	Horizontal

PK Value



**AV Value** 



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EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature :	<b>20</b> ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 1	Polarization :	Vertical

#### PK Value



**AV Value** 



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EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 3	Polarization :	Horizontal

# PK Value



**AV Value** 



EUT:	Remote Control	Model Name. :	AW-QDR-CELL
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC6V
Test Mode :	Mode 3	Polarization :	Vertical

PK Value



**AV Value** 



#### Note:

Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

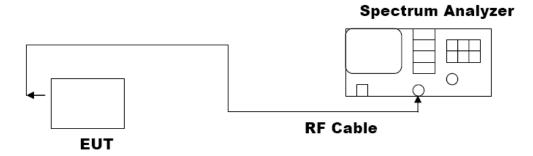
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#### 9. 20DB BANDWIDTH

#### 9.1. MEASUREMENT PROCEDURE

- 1. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- 2. The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.
- 3. Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level.
- 4. Set SPA Trace 1 Max hold, then View.

# 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



#### 9.3. MEASUREMENT RESULTS

TEST ITEM	20DB BANDWIDTH
TEST MODE	Mode1;Mode2;Mode3

Test Data (MHz)		Criteria
Low Channel	5.723	PASS
Middle Channel	5.445	PASS
High Channel	4.349	PASS

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#### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



#### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



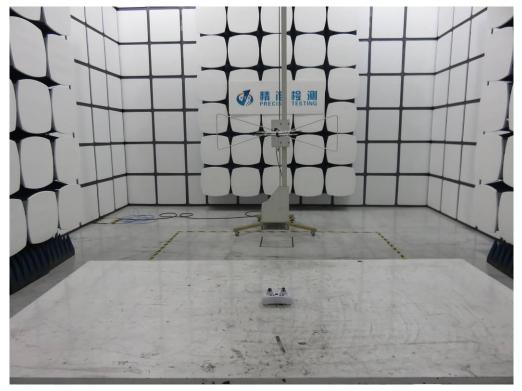
#### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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# **APPENDIX A: PHOTOGRAPHS OF TEST SETUP**

RADIATED EMISSION TEST SETUP BELOW 1GHz



RADIATED EMISSION TEST SETUP ABOVE 1GHz



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# **APPENDIX B: PHOTOGRAPHS OF EUT**

TOTAL VIEW OF EUT



TOP VIEW OF EUT



#### **BOTTOM VIEW OF EUT**



FRONT VIEW OF EUT



**BACK VIEW OF EUT** 



LEFT VIEW OF EUT



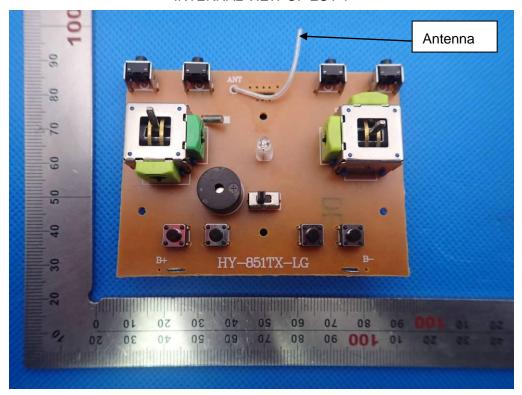
# RIGHT VIEW OF EUT



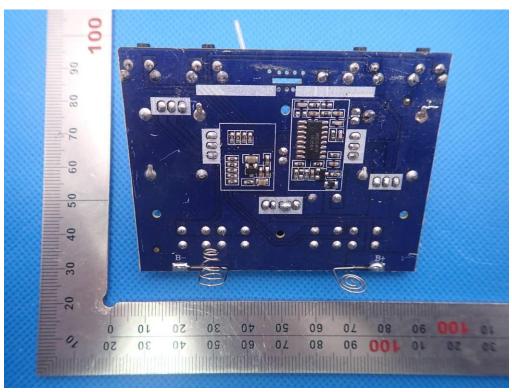
**OPEN VIEW OF EUT** 



# **INTERNAL VIEW OF EUT-1**



**INTERNAL VIEW OF EUT-2** 



----END OF REPORT----