

TEST REPORT

Application No.: FYCR2607000267AT

Applicant: SHANTOU CHENGHAI DISTRICT XINHUANGXIN TOYS FACTORY

Address of Applicant: Middle section of Wenming Road, Jianyang Village, Lianxia Town, Chenghai District, Shantou City, Guangdong Province

Manufacturer: SHANTOU CHENGHAI DISTRICT XINHUANGXIN TOYS FACTORY

Address of Manufacturer: Middle section of Wenming Road, Jianyang Village, Lianxia Town, Chenghai District, Shantou City, Guangdong Province

Equipment Under Test (EUT):

EUT Name: Remote control vehicle

Model No.: 000-64, 000-055, 000-056, 000-057, 000-058, 000-059, 000-060, 000-061, 000-062, 000-063, 000-064, 000-039, 000-040, 000-041, 000-042, 000-043, 000-044, 000-045, 000-046, 000-55, 000-56, 000-57, 000-58, 000-59, 000-60, 000-61, 000-62, 000-63, 000-39, 000-40, 000-41, 000-42, 000-43, 000-44, 000-45, 000-46 ♣

♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

FCC ID: 2BW2R000064

Standard(s) : 47 CFR Part 15, Subpart C 15.227

Date of Receipt: 2026-07-06

Date of Test: 2026-07-24 to 2026-08-03

Date of Issue: 2026-08-07

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-08-07		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree Zhan/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 15.227	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Field Strength of the Fundamental Signal (15.227(a))	47 CFR Part 15, Subpart C 15.227	ANSI C63.10-2020+Cor.1-2023 Section 6.4	47 CFR Part 15, Subpart C 15.227(a)	Pass
Radiated Emissions		ANSI C63.10-2020+Cor.1-2023 Section 6.4&6.5	47 CFR Part 15, Subpart C 15.227(b) & C 15.209	Pass
20dB Bandwidth		ANSI C63.10-2020+Cor.1-2023 Section 6.9	47 CFR Part 15, Subpart C 15.227	Pass

Declaration of EUT Family Grouping:

Model No.: 000-64, 000-055, 000-056, 000-057, 000-058, 000-059, 000-060, 000-061, 000-062, 000-063, 000-064, 000-039, 000-040, 000-041, 000-042, 000-043, 000-044, 000-045, 000-046, 000-55, 000-56, 000-57, 000-58, 000-59, 000-60, 000-61, 000-62, 000-63, 000-39, 000-40, 000-41, 000-42, 000-43, 000-44, 000-45, 000-46

Only the model 000-64 was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, only different on model No., colour, appearance and packaging.



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4 General Information

4.1 Details of E.U.T.

Power Supply:	Remote controller: 3 V DC (2 x AA size 1.5 V batteries)
Cable Loss (for RF conducted test):	0.5dB
Operation Frequency	27.145MHz
Modulation Type:	FSK
Antenna Type:	Spring Antenna
Antenna Gain:	0dBi

Remark: The information in this section is provided by the applicant or manufacturer, CCS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Field Strength of the Fundamental Signal (15.227(a))	$\pm 2.3B$
Radiated Emissions	$\pm 5.7dB$
20dB Bandwidth	$\pm 0.27\%$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{CISPR/ETSI}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
- 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:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 6606.01)

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

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

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0129.

IC#: 28189.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Field Strength of the Fundamental Signal (15.227(a))					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2025/8/29	2027/08/28
Loop Antenna	ETS-LINDGREN	6502	SEM003-43	2025/6/16	2027/6/15
MXE EMI receiver	Agilent	N9038A	SEM004-05	2026/7/3	2027/7/3
Pre-amplifier	HP	8447D	SEM005-02	2026/7/7	2027/7/6
Coaxial Cable	CCS	N/A	SEM035-01	2026/5/12	2027/5/11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Emissions					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2025/8/29	2027/08/28
Loop Antenna	ETS-LINDGREN	6502	SEM003-43	2025/6/16	2027/6/15
MXE EMI receiver	Agilent	N9038A	SEM004-05	2026/7/3	2027/7/3
Pre-amplifier	HP	8447D	SEM005-02	2026/7/7	2027/7/6
Coaxial Cable	CCS	N/A	SEM035-01	2026/5/12	2027/5/11
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2026/2/3	2027/2/2
Coaxial Cable	CCS	N/A	SEM037-01	2026/5/12	2027/5/11
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A



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General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-52	2026/7/8	2027/7/7
Humidity/ Temperature Indicator	deli	8838	SEM002-53	2026/7/8	2027/7/7
Barometer	DUMAI	DYM3	SEM002-24	2026/7/10	2027/7/9



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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

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:

The antenna is integrated on the main PCB and no consideration of replacement.

Antenna location: Refer to Internal photos



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7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.227
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.9
 Test Engineer: Fly Yan

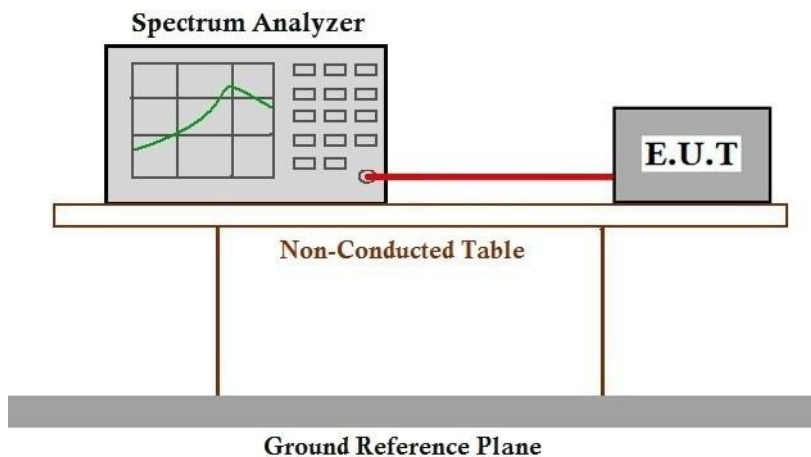
7.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 25.6 °C Humidity: 47.2 % RH Atmospheric Pressure: 1000 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

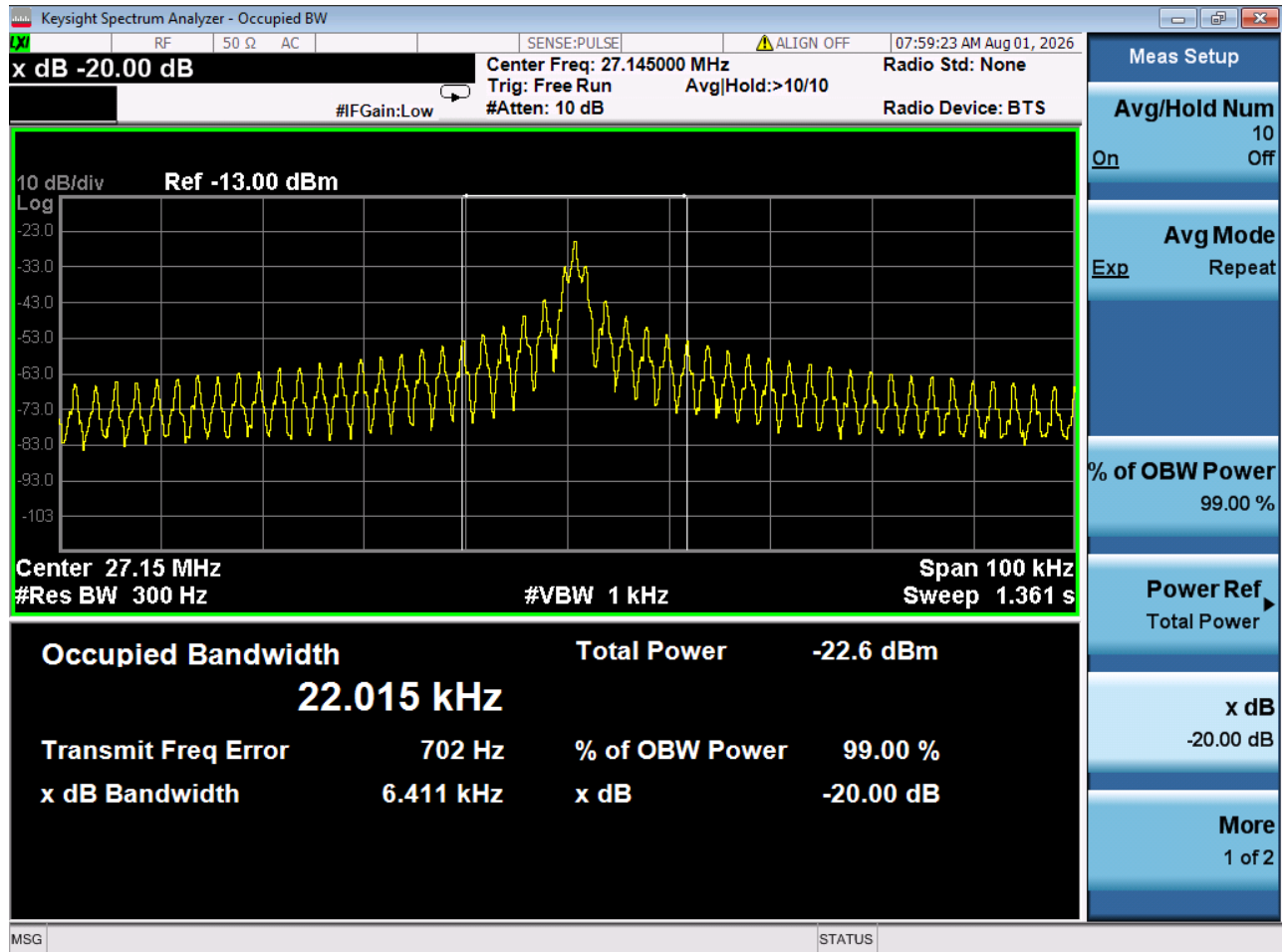
Test channel	20dB bandwidth (kHz)	Results
27.145MHz	6.411	Pass

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7.2 Field Strength of the Fundamental Signal (15.227(a))

Test Requirement 47 CFR Part 15, Subpart C 15.227(a)
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4
 Measurement Distance: 3m
 Test Engineer: Rex Liu

Limit:

Limit: ≤ 10000 microvolts/meter at 3 meters, the emission limit is based on measurement instrumentation employing an average Detector. The provisions in § 15.35 for limiting peak emissions apply.

7.2.1 E.U.T. Operation

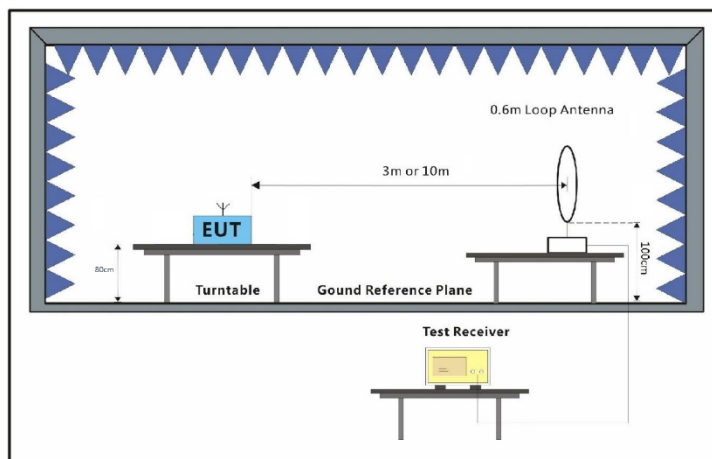
Operating Environment:

Temperature: 20.3 °C Humidity: 51.6 % RH Atmospheric Pressure: 1000 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data



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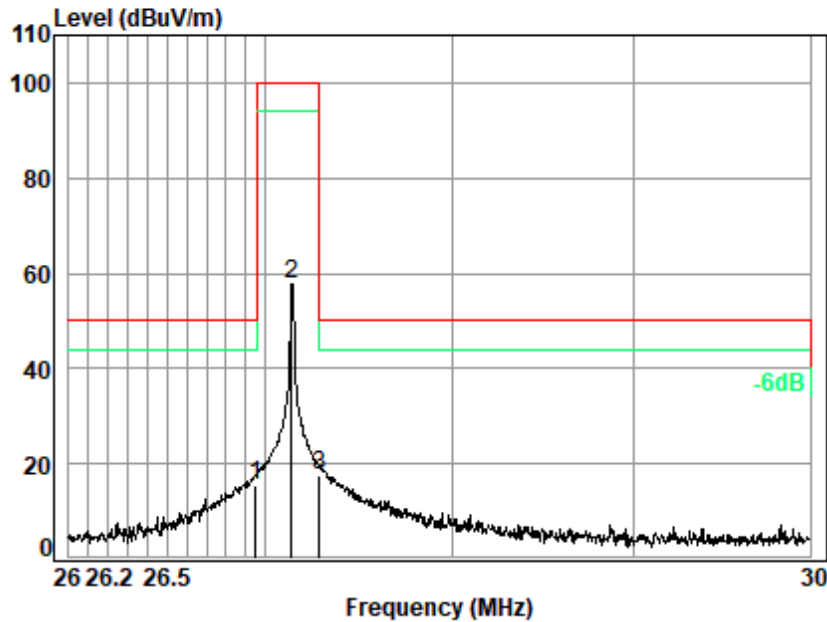
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Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00267AT
Mode : 00

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	26.95	0.52	16.90	26.14	24.09	15.37	50.00	-34.63 QP
2	27.14	0.53	16.89	26.14	66.51	57.79	100.00	-42.21 Peak
3	27.29	0.54	16.88	26.14	26.27	17.55	50.00	-32.45 QP



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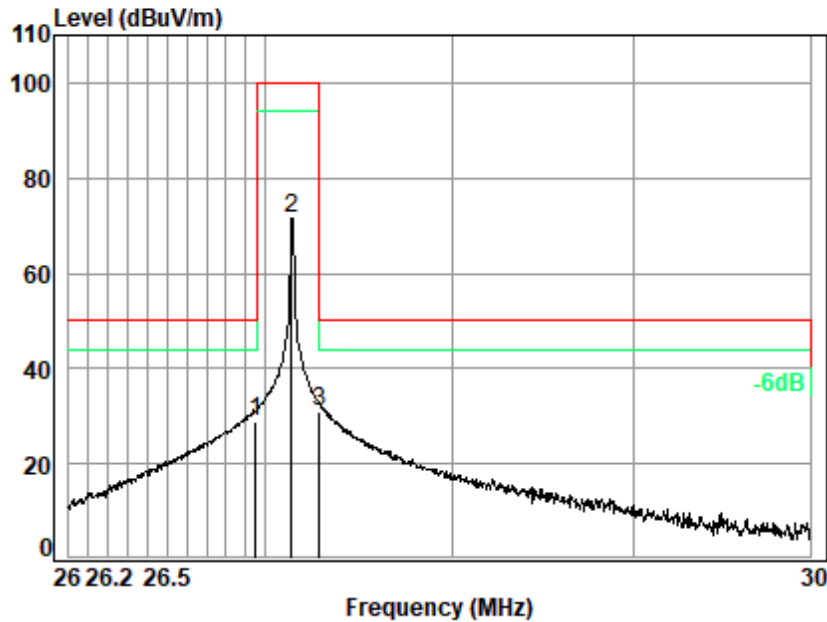
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Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 00267AT
Mode : 00

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	26.95	0.52	16.90	26.14	37.78	29.06	50.00	-20.94 QP
2	27.14	0.53	16.89	26.14	80.33	71.61	100.00	-28.39 Peak
3	27.29	0.54	16.88	26.14	39.67	30.95	50.00	-19.05 QP



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7.3 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.227(b) & C 15.209
 Test Method: ANSI C63.10-2020+Cor.1-2023 Section 6.4&6.5
 Measurement Distance: 3m
 Test Engineer: Rex Liu

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
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 and 110-490kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.		
Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
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 above 1000MHz. Radiated emission limits above 1000MHz is based on measurements employing an average detector.		

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 21.4 °C Humidity: 51.6 % RH Atmospheric Pressure: 1000 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode.



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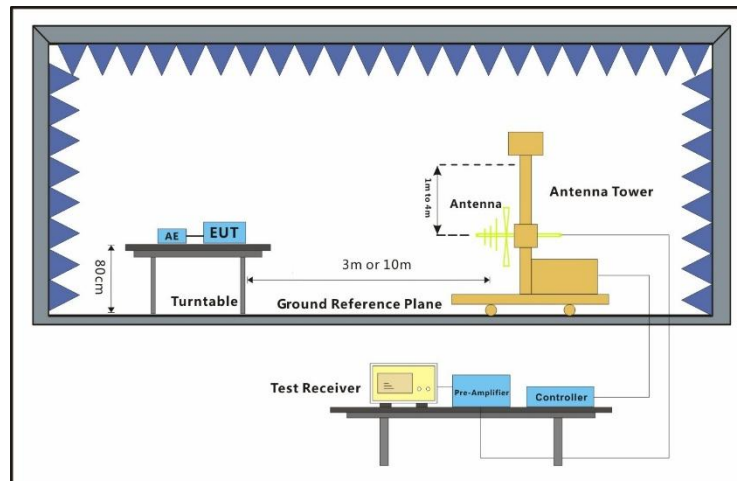
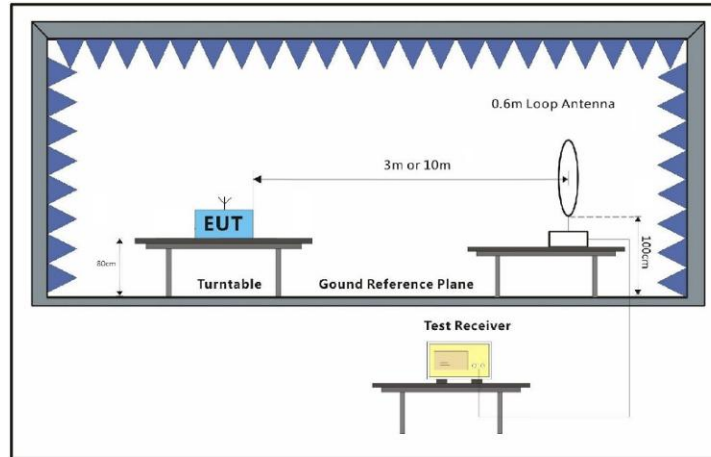
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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data



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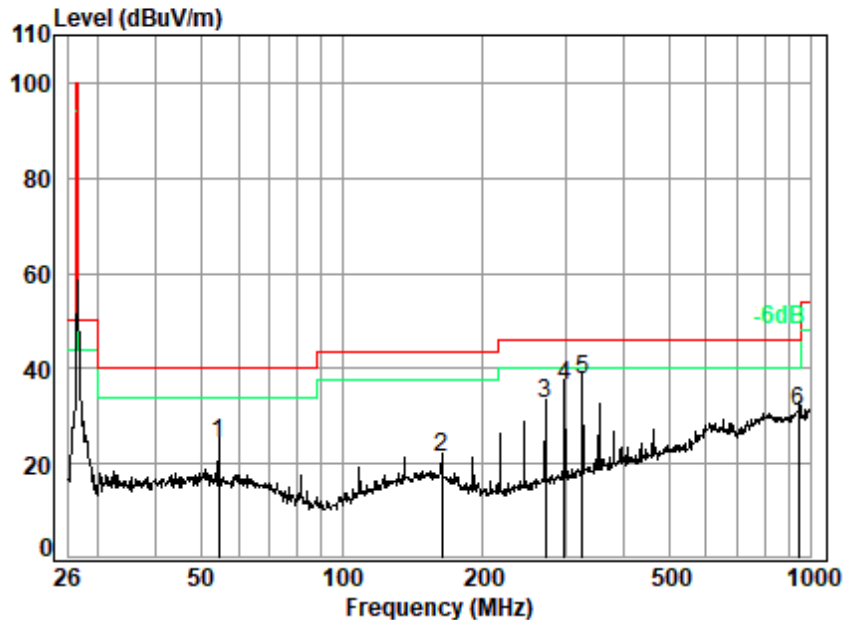
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Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00267AT
Mode : 00

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	54.34	0.37	17.69	26.10	32.46	24.42	40.00	-15.58 QP
2	163.02	1.12	17.21	25.59	28.56	21.30	43.50	-22.20 QP
3	271.74	0.35	16.61	25.26	40.96	32.66	46.00	-13.34 QP
4	298.78	0.43	17.50	25.20	43.72	36.45	46.00	-9.55 QP
5	326.13	0.98	18.24	25.43	43.99	37.78	46.00	-8.22 QP
6	946.73	2.82	28.15	26.35	26.37	30.99	46.00	-15.01 QP



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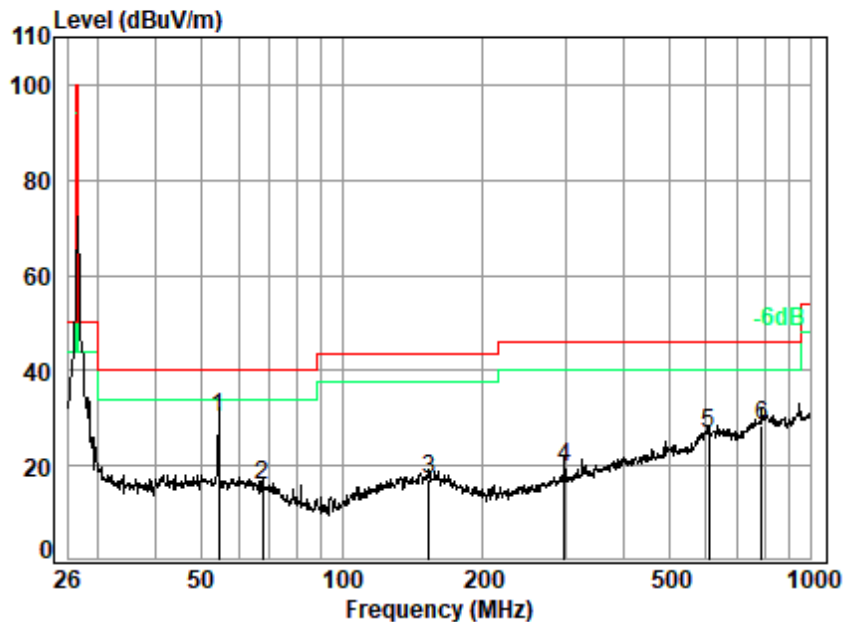
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Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 00267AT
Mode : 00

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	54.34	0.37	17.69	26.10	38.34	30.30	40.00	-9.70	QP
2	67.40	0.72	16.23	26.10	25.11	15.96	40.00	-24.04	QP
3	153.21	1.27	17.43	25.63	24.21	17.28	43.50	-26.22	QP
4	298.78	0.43	17.50	25.20	27.02	19.75	46.00	-26.25	QP
5	606.53	3.42	24.18	26.56	25.59	26.63	46.00	-19.37	QP
6	788.81	3.21	26.72	26.50	25.17	28.60	46.00	-17.40	QP



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2607000267AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_ External and Internal Photos for FYCR2607000267AT

- End of the Report -



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