TEST REPORT

Report No.....:	AB26060077FE01
FCC ID.....:	2AGOFRC421K
Applicant.....:	HCS (Suzhou) Limited
Address.....:	19F-20F, Building B-3rd, No.209 Zhuyuan Road, New District, Suzhou, P.R.China
Manufacturer.....:	HCS (Suzhou) Limited
Address.....:	19F-20F, Building B-3rd, No.209 Zhuyuan Road, New District, Suzhou, P.R.China
Product Name.....:	Remote Control
Trade Mark.....:	/
Model/Type reference.....:	RC4213803/02BR
Listed Model(s) .....:	See section 1.1
Standard.....:	FCC Part 15 Subpart B
Date of Receipt..... :	2026.06.08
Date of Test Date..... :	2026.06.08-2026.06.17
Date of issue.....:	2026.06.17
Test result.....:	Pass

Compiled by: (Printedname+signature)	Huaijie Li	Huaijie Li
Supervised by: (Printedname+signature)	David Huang	David Huang
Approved by: (Printedname+signature)	Jay Liu	Jay Liu

Testing Laboratory Name.....:	Aibo Standard Technology (Shenzhen) Co., Ltd.
Address.....:	101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

TEST REPORT

EUT.....	:	Remote Control
Test Model.....	:	RC4213803/02BR
Applicant.....	**:**	**HCS (Suzhou) Limited**
Address.....	:	19F-20F, Building B-3rd, No.209 Zhuyuan Road, New District, Suzhou, P.R.China
Manufacturer.....	**:**	**HCS (Suzhou) Limited**
Address.....	:	19F-20F, Building B-3rd, No.209 Zhuyuan Road, New District, Suzhou, P.R.China

Test Result	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST SUMMARY

1.1.Test Standards

The tests were performed according to following standards:

47 CFR FCC Part 15 Subpart B: Unintentional Radiators.

IEEE/ANSI C63.4-2014: American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz.

1.2.Report version

Revised No.	Date of issue	Description
01	2026.06.17	Original

1.3.Test Description

Test procedures according to the technical standards:

Test	Standard	Class	Result	Test Engineer
Radiated Emission	FCC Part 15 Section 15.109	Class B	PASS	He Chen
Conducted Emission	FCC Part 15 Section 15.107	Class B	/(Note 1)	/

Note:1. This Remote Control, model RC4213803/02BR, is Battery powered; therefore, this test item is not applicable.

2.The PCB board used in this experiment for testing the sample is FR4 PCB.

1.4.Measurement Uncertainty

The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Items	Measurement Uncertainty
Power Line Conducted Emission (9kHz~150kHz)	±3.62dB
Power Line Conducted Emission (150kHz~30MHz)	±3.40dB
Radiated Emission (9kHz~30MHz)	±3.10dB
Radiated Emission (30MHz~1GHz)	±4.90dB
Radiated Emission (1GHz~18GHz)	±3.88dB
Radiated Emission (8GHz~40GHz)	±5.32dB

Note: All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95 % level of confidence.

1.5.Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	+15°C ~ +35°C
Lative Humidity	20 % ~ 75 %
Air Pressure	98KPa ~ 101KPa

1.6.DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +86 755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

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

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

2. GENERAL INFORMATION

2.1.General Description of EUT

Product Name:	Remote Control
Trade Mark:	/
Model/Type reference:	RC4213803/02BR
Additional Model(s):	RC4213407/02BR, RC4213408/02BR, RC4213409/02BR, RC4213410/02BR, Babylon RCU,RC421XXXX/XXR, RC421XXXX/XXBR ('X'=0-9,'B' means packed with battery)
Model Difference:	All models are the same circuit and RF module, except the model name
Product Description	Based on the application, features, or specification exhibited in User's Manual, More details of EUT technical specification, please refer to the User's Manual.
Power Supply:	DC 3V from battery
Hardware version:	/
Software version:	/

2.2.DESCRIPTION OF SUPPORT EQUIPMENT

Manufacturer	Description	Model	Serial Number	Supplied by
Mobile phone	Redmi	Redmi 10X	M2004J7AC	Applicant

2.3.DESCRIPTION OF EXTERNAL I/O

I/O Port Description	Quantity	Cable
/	/	/

2.4.Description Of Test Modes

As the function of the EUT, test mode selected to test as below to conform this standard

Test Mode	Description	Test Voltage
1	Pressing the key+BT Link	DC 3V
2	Pressing the key+Zigbee	DC 3V

Pre-scan above all test mode, found below test mode which it was worse case mode, so only show the test data for worse case mode on the test report.

Test item	Worse case operation Test mode
Radiated emission(Above 1GHz)	1
Radiated emission(Below 1GHz)	1

2.5.Measurement Instruments List

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
1	Loop Antenna	Schwarzbeck	FMZB 1519	1519-025	01/18/2026	01/17/2028
2	Power Amplifier	HZEMC	HPA-9K0133	HYPA23029	01/20/2026	01/19/2027
3	Broadband Antenna	Schwarzbeck	VULB 9168	01763	01/29/2026	01/28/2028
4	Attenuator	PRM	ATT50-6-3	ATT50-6-3	01/20/2026	01/19/2027
5	Spectrum Analyzer	R&S	FSV40-N	101365	01/20/2026	01/19/2027
6	Horn Antenna	Schwarzbeck	BBHA 9120 D	02786	02/19/2026	02/18/2028
7	Horn Antenna	KMW	ZLB7-18-40G-77	072410839	02/19/2026	02/18/2028
8	Power Amplifier	HZEMC	PA0118-43	HYPA23030	01/20/2026	01/19/2027
9	Power Amplifier	HZEMC	PA01840-45	HYPA23031	01/20/2026	01/19/2027
10	EMI Test Receiver	R&S	ESCI	101196	01/20/2026	01/19/2027
11	LISN	R&S	ENV216	102374	01/20/2026	01/19/2027
12	Pulse Limiter	Schwarzbeck	ESH3-Z2	0357.8810.54	01/20/2026	01/19/2027

2.6.Test software

Test Software		
Software name	Model	Version
Radiated Emission Measurement Software	FASLAB	V4.1
CONDUCTED EMISSION MEASUREMENT	FASLAB	V4.1

3. EMC EMISSION TEST

3.1.RADIATED EMISSION MEASUREMENT

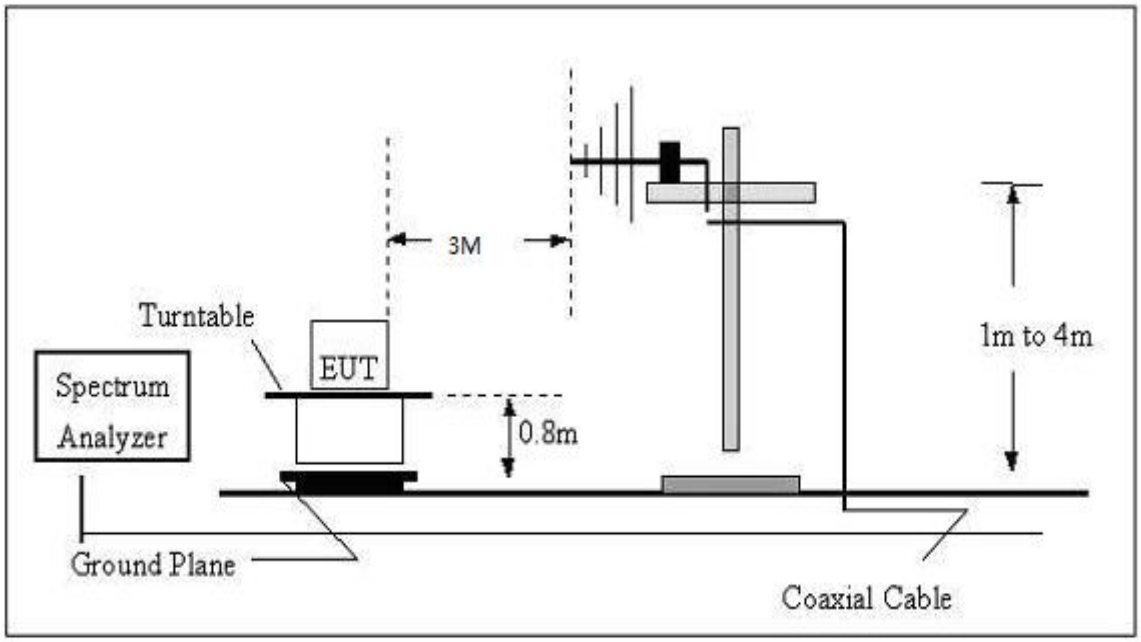
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.109/ IECS-003 Section 6.2:

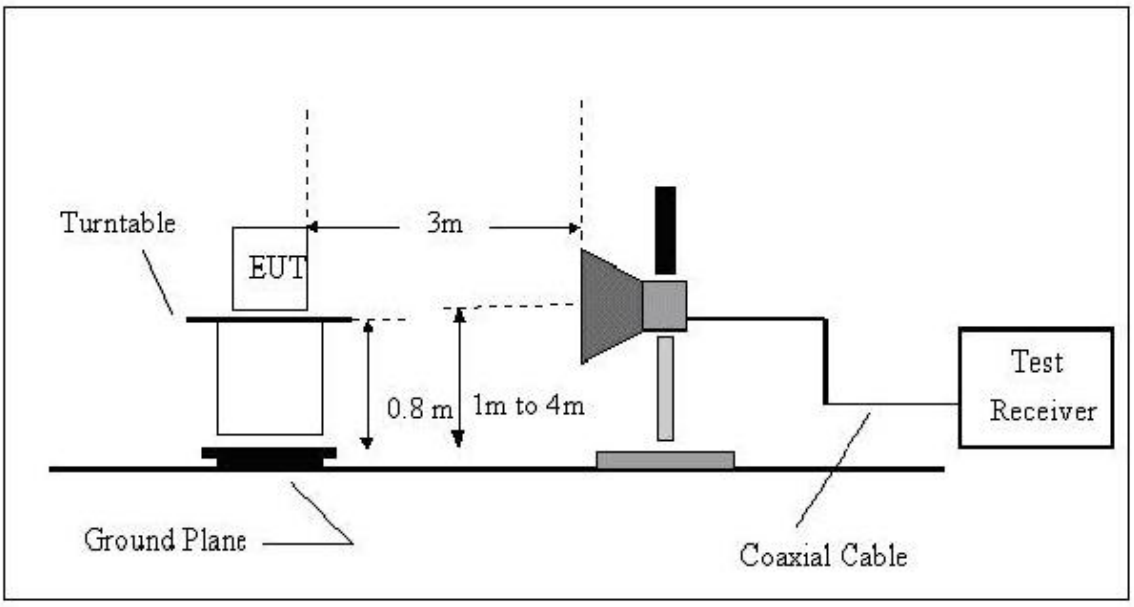
FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)	Value
	dBuV/m	dBuV/m	
30 ~ 88	39.0	40.0	Quasi-peak
88 ~ 216	43.5	43.5	Quasi-peak
216 ~ 960	46.5	46.0	Quasi-peak
960 ~1000	49.5	54.0	Quasi-peak
Above 1000	69.5	74	Peak
	49.5	54	Average

TEST SETUP

A Radiated Emission Test Set-Up Frequency below 1 GHz



B Radiated Emission Test Set-Up Frequency above 1GHz



TEST PROCEDURE

1. The EUT was tested according to ANSI C63.4:2014.

2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated360 degrees to determine the position of the maximum emission level.

3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.

4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna.

5. The initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.

6. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.

7. For the actual test configuration, please refer to the related Item –EUT Test Photos.

TEST MODE

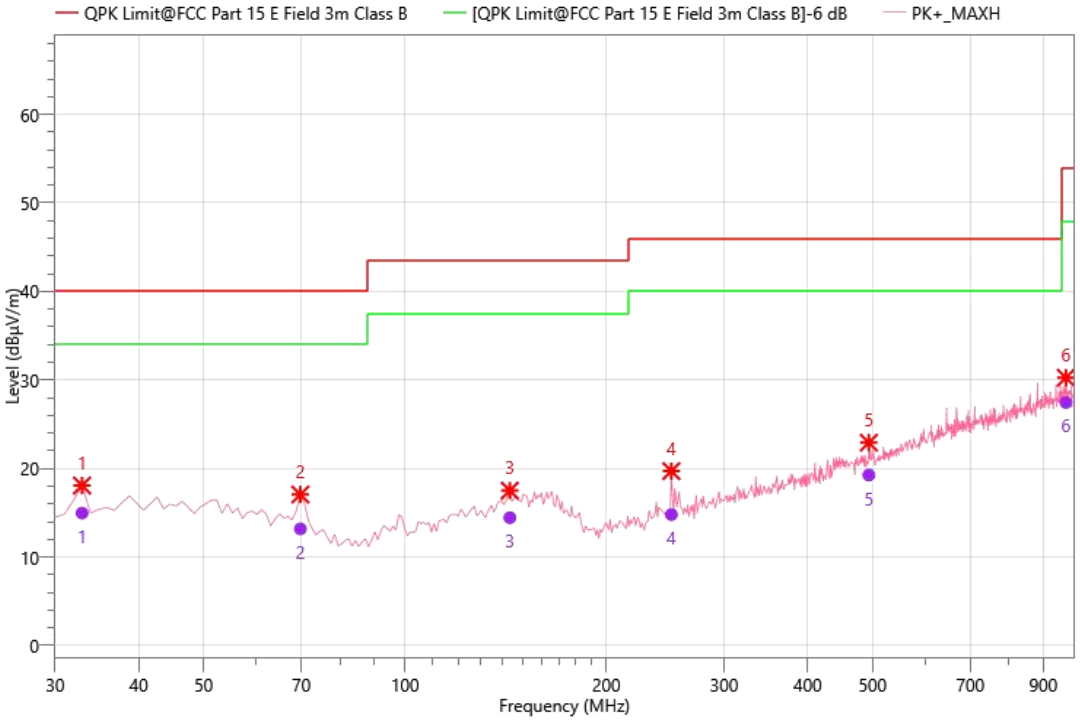
Please refer to the clause 2.2

TEST RESULT

30MHz-1GHz

Polarization	Horizontal

Mode:1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	32.910	28.54	-13.57	14.97	40.00	25.03	QPK	100	H	141.0	PASS
2	69.770	28.78	-15.59	13.19	40.00	26.81	QPK	100	H	67.2	PASS
3	143.490	26.64	-12.19	14.45	43.50	29.05	QPK	100	H	111.6	PASS
4	250.190	28.23	-13.43	14.80	46.00	31.20	QPK	100	H	281.4	PASS
5	493.660	26.87	-7.6	19.27	46.00	26.73	QPK	100	H	182.1	PASS
6	972.840	27.78	-0.32	27.46	53.90	26.44	QPK	100	H	16.2	PASS

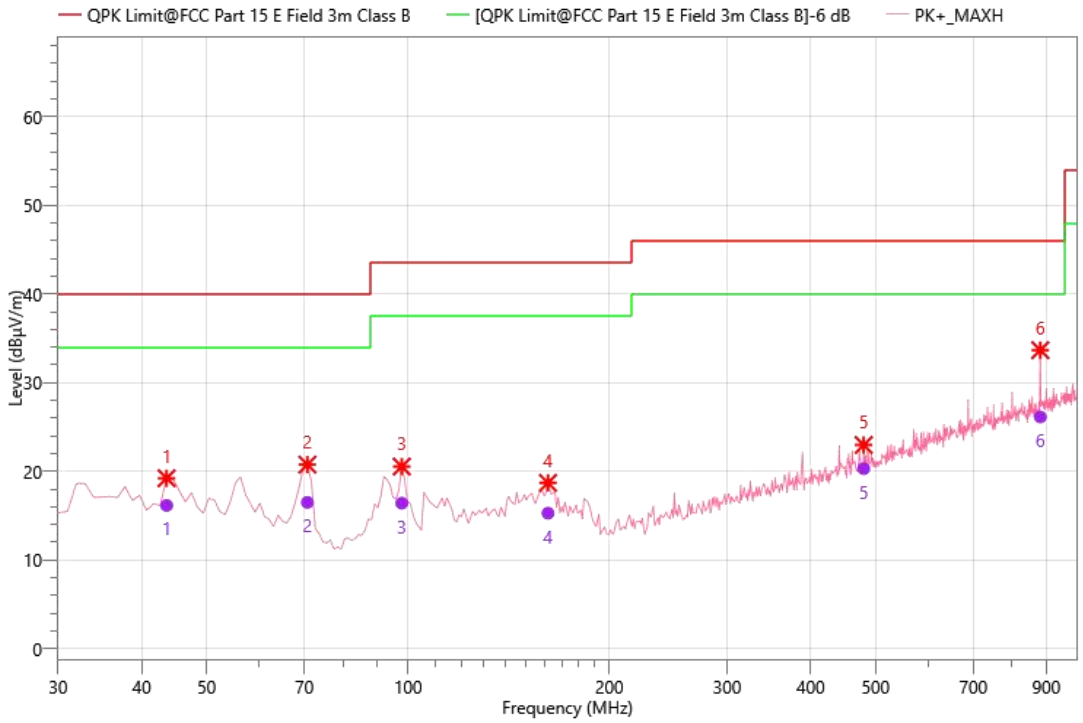
Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value =Limit value - Level

Polarization	Vertical

Mode:1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Height (cm)	Pol.	Azimuth (deg)	Verdict
1	43.580	29.18	-13.02	16.16	40.00	23.84	QPK	100	V	193.6	PASS
2	70.740	32.32	-15.82	16.50	40.00	23.50	QPK	100	V	201.1	PASS
3	97.900	32.79	-16.38	16.41	43.50	27.09	QPK	100	V	360.0	PASS
4	161.920	27.28	-12	15.28	43.50	28.22	QPK	100	V	359.8	PASS
5	480.080	28.10	-7.8	20.30	46.00	25.70	QPK	100	V	0.0	PASS
6	881.660	27.47	-1.34	26.13	46.00	19.87	QPK	100	V	8.8	PASS

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value =Limit value - Level

1GHz-6GHz

Polarization	Horizontal

Test mode 1

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	1045.000	55.04	-25.75	29.29	74.00	44.71	PK+	H
2	1045.000	50.41	-25.75	24.66	54.00	29.34	AVG	H
3	1495.000	54.27	-24.83	29.44	74.00	44.56	PK+	H
4	1495.000	48.88	-24.83	24.05	54.00	29.95	AVG	H
5	2210.000	53.47	-21.91	31.56	74.00	42.44	PK+	H
6	2210.000	49.03	-21.91	27.12	54.00	26.88	AVG	H
7	3315.000	52.73	-19.01	33.72	74.00	40.28	PK+	H
8	3315.000	48.56	-19.01	29.55	54.00	24.45	AVG	H
9	4700.000	50.80	-14.32	36.48	74.00	37.52	PK+	H
10	4700.000	46.45	-14.32	32.13	54.00	21.87	AVG	H
11	5935.000	49.62	-11.66	37.96	74.00	36.04	PK+	H
12	5935.000	45.32	-11.66	33.66	54.00	20.34	AVG	H

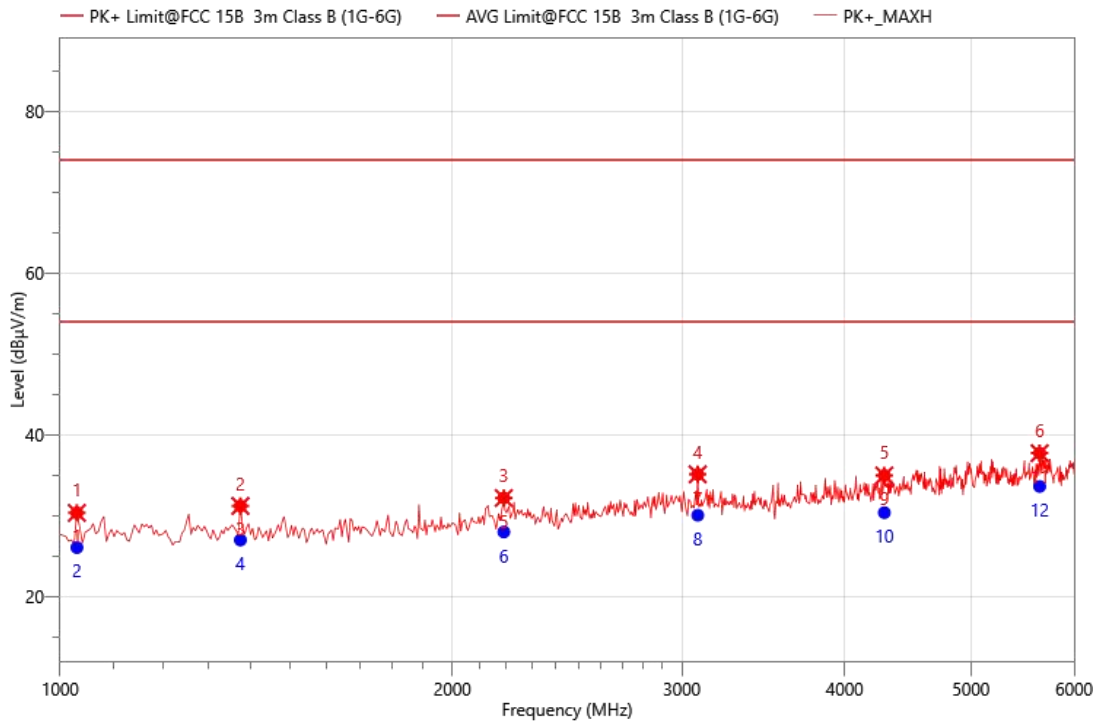
Remarks:

1.Factor = Antenna Factor +Cable Factor-Pre-amplifier Factor

2.Margin value = Level -Limit value

Polarization	Vertical

Test mode 1



No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	1030.000	56.13	-25.77	30.36	74.00	43.64	PK+	V
2	1030.000	51.84	-25.77	26.07	54.00	27.93	AVG	V
3	1375.000	56.10	-24.88	31.22	74.00	42.78	PK+	V
4	1375.000	51.88	-24.88	27.00	54.00	27.00	AVG	V
5	2190.000	54.15	-21.95	32.20	74.00	41.80	PK+	V
6	2190.000	49.95	-21.95	28.00	54.00	26.00	AVG	V
7	3085.000	54.26	-19.13	35.13	74.00	38.87	PK+	V
8	3085.000	49.20	-19.13	30.07	54.00	23.93	AVG	V
9	4290.000	50.65	-15.66	34.99	74.00	39.01	PK+	V
10	4290.000	46.05	-15.66	30.39	54.00	23.61	AVG	V
11	5645.000	49.13	-11.39	37.74	74.00	36.26	PK+	V
12	5645.000	45.02	-11.39	33.63	54.00	20.37	AVG	V

Remarks:

1.Factor = Antenna Factor +Cable Factor-Pre-amplifier Factor

2.Margin value = Level -Limit value

4. EUT TEST PHOTO

Please refer to AB26060077FE01_Appendix A for Test Setup Photos of the EUT.

5. PHOTOGRAPHS OF EUT

Please refer to AB26060078_Appendix B_EUT External Photos and AB26060078_Appendix C Internal Photos for EUT Photos.

**********THE END**********