FCC REPORT

Applicant:	Autel Intelligent Technology Corp., Ltd.
Address of Applicant:	7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd., Xili, Nanshan, Shenzhen, China

Equipment Under Test (EUT)

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM
Model No.:	MaxiSys MS909, MaxiSys MS919
Trade mark:	AUTEL
FCC ID:	WQ8MAXISYSMS909
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B
Date of sample receipt:	28 May, 2019
Date of Test:	29 May, to 24 Sep., 2019
Date of report issued:	24 Sep., 2019
Test Result:	PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Bruce Zhang
Laboratory Manager

2 Version

Version No.	Date	Description
00	*24 Sep., 2019*	*Original*

Tested by: YT Yang ***Date:*** *24 Sep., 2019*

Test Engineer

Reviewed by: Winner Zhang ***Date:*** *24 Sep., 2019*

Project Engineer

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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass
Remark: *Pass: The EUT complies with the essential requirements in the standard.* *N/A: The EUT not applicable of the test item.*		

5 General Information

5.1 Client Information

Applicant/ Manufacturer:	Autel Intelligent Technology Corp., Ltd.
Address:	7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd., Xili, Nanshan, Shenzhen, China
Factory1:	Autel Intelligent Technology Corp., Ltd.
Address:	6th Floor, Building 1, Yanxiang Zhigu, NO.11 Gaoxin West Rd, Guangming New District, Shenzhen City, Guangdong Province, China.
Factory2:	AUTEL VIETNAM COMPANY LIMITED
Address:	4th Floor, Factory#6, Land#CN1, An Duong Industrial Zone, Hong Phong Township, An Duong County, Hai Phong, VietNam

5.2 General Description of E.U.T.

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM
Model No.:	MaxiSys MS909, MaxiSys MS919
Power supply:	Rechargeable Li-ion Battery DC3.8V, 15000mAh
AC adapter :	Adapter 1: Model : GME36A-120300FDS Input: 100-240V, 50/60Hz, 1.2A Output: 12V, 3A Adapter 2: Model : A361-1203000DI Input: 100-240V, 50/60Hz, 1.5A Output:12V,3000mA Adapter 3: Model :J361-1203000DI Input: 100-240V, 50/60Hz, 1.5A Output:12V,3000mA
Remark:	Model No.: MaxiSys MS909, MaxiSys MS919 were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

5.3 Test Mode

Operating mode	Detail description
PC mode	Keep the EUT in U disk data transmission and HDMI Output mode Keep the EUT in TF card data transmission and HDMI Output mode
Charging+Recording mode	Keep the EUT in Charging+Recording+HDMI Output mode
Charging+Recording mode	Keep the EUT in Charging+Recording+ mode
Charging+Playing mode	Keep the EUT in Charging+Playing+HDMI Output mode
Charging+Playing mode	Keep the EUT in Charging+Playing mode
GPS mode	Keep the EUT in GPS receiver mode
The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable,	

varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

5.4 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.38 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.36 dB (k=2)

5.5 Description of Support Units

Manufacturer	Description	Model	S/N	FCC ID/DoC
MERCURY	Wireless router	MW150R	12922104015	FCC ID
NAKAMICHI	Bluetooth earphone	T8	N/A	FCC ID
Skyworth	Color LCD TV	24E12HR	K026709	N/A
Kingston	U disk	16GB	N/A	N/A
SanDisk	TF memory card	16GB	N/A	N/A

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Description of Cable Used

Cable Type	Description	Length	From	To
Power Adapter	shielded	1.5m	EUT	Adapter

5.8 Laboratory Facility

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

- **FCC - Designation No.: CN1211**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.9 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

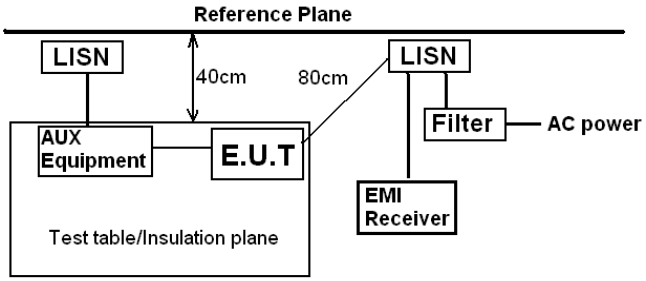
5.10 Test Instruments list

Radiated Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-18-2019	03-17-2020
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-18-2019	03-17-2020
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-18-2019	03-17-2020
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2018	11-20-2019
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-18-2019	03-17-2020
Pre-amplifier	CD	PAP-1G18	11804	03-18-2019	03-17-2020
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-18-2019	03-17-2020
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2018	11-20-2019
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-18-2019	03-17-2020
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-18-2019	03-17-2020
Cable	MICRO-COAX	MFR64639	K10742-5	03-18-2019	03-17-2020
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-18-2019	03-17-2020

Conducted Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-18-2019	03-17-2020
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-18-2019	03-17-2020
LISN	CHASE	MN2050D	1447	03-18-2019	03-17-2020
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019
				07-21-2019	07-20-2020
Cable	HP	10503A	N/A	03-18-2019	03-17-2020
EMI Test Software	AUDIX	E3	Version: 6.110919b		

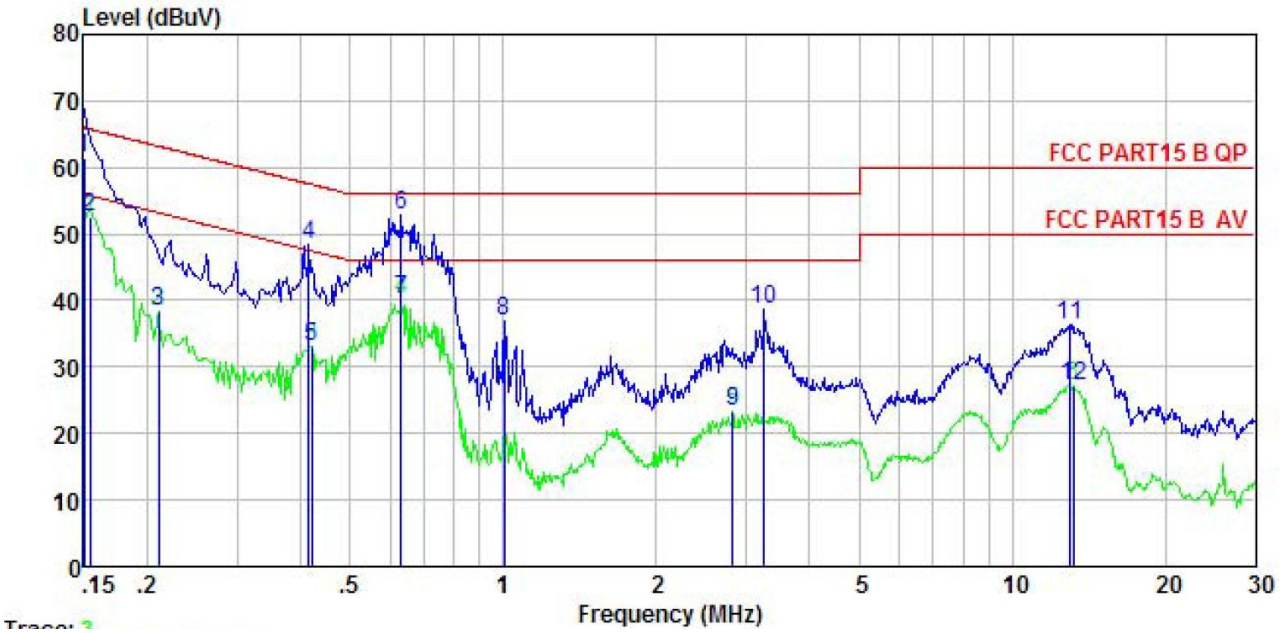
6 Test results and Measurement Data

6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107
Test Method:	ANSI C63.4:2014
Test Frequency Range:	150kHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9kHz, VBW=30kHz
Limit:	Frequency range (MHz) / Limit (dBµV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 0.5-30: 60 / 50 * Decreases with the logarithm of the frequency.
Test setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
Test procedure	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement data(For Adapter 1):

Product name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product model:	MaxiSys MS909
Test by:	YT	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%

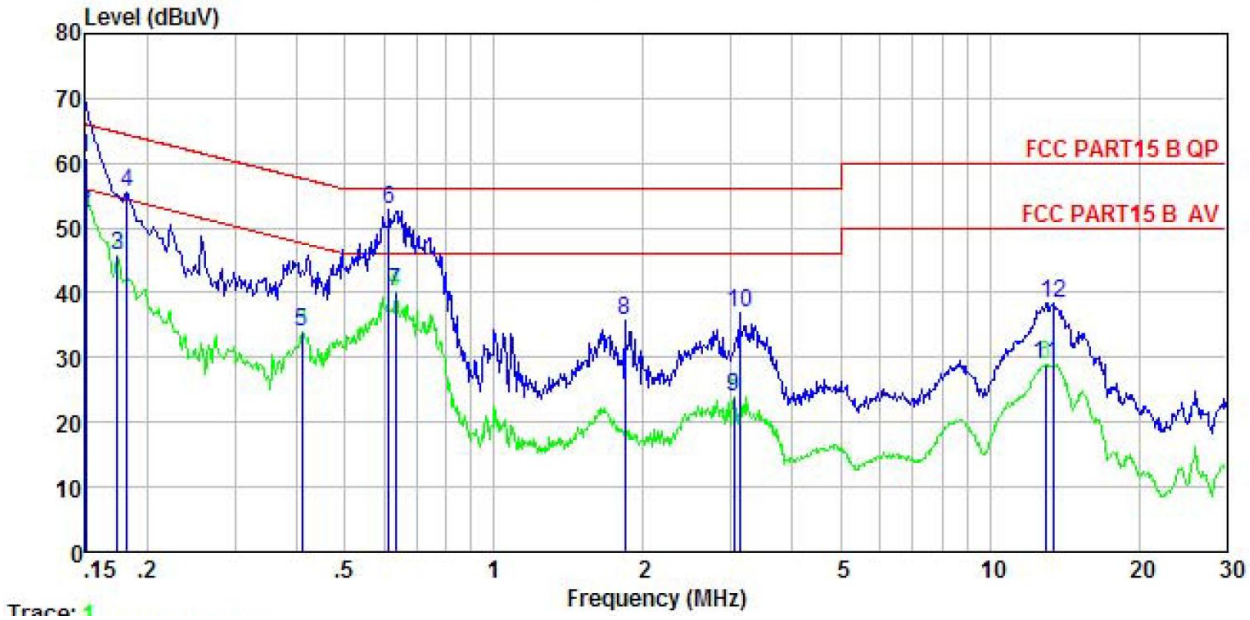


	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	51.12	-0.45	10.78	61.45	66.00	-4.55	QP
2	0.154	42.36	-0.45	10.78	52.69	55.78	-3.09	Average
3	0.211	28.03	-0.41	10.76	38.38	53.18	-14.80	Average
4	0.415	38.03	-0.37	10.73	48.39	57.55	-9.16	QP
5	0.421	22.82	-0.37	10.73	33.18	47.42	-14.24	Average
6	0.630	42.40	-0.38	10.77	52.79	56.00	-3.21	QP
7	0.630	29.73	-0.38	10.77	40.12	46.00	-5.88	Average
8	1.005	26.50	-0.38	10.87	36.99	56.00	-19.01	QP
9	2.824	12.93	-0.44	10.93	23.42	46.00	-22.58	Average
10	3.258	28.16	-0.45	10.91	38.62	56.00	-17.38	QP
11	12.920	26.11	-0.65	10.92	36.38	60.00	-23.62	QP
12	13.197	16.88	-0.66	10.91	27.13	50.00	-22.87	Average

Notes:

1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Product name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product model:	MaxiSys MS909
Test by:	YT	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



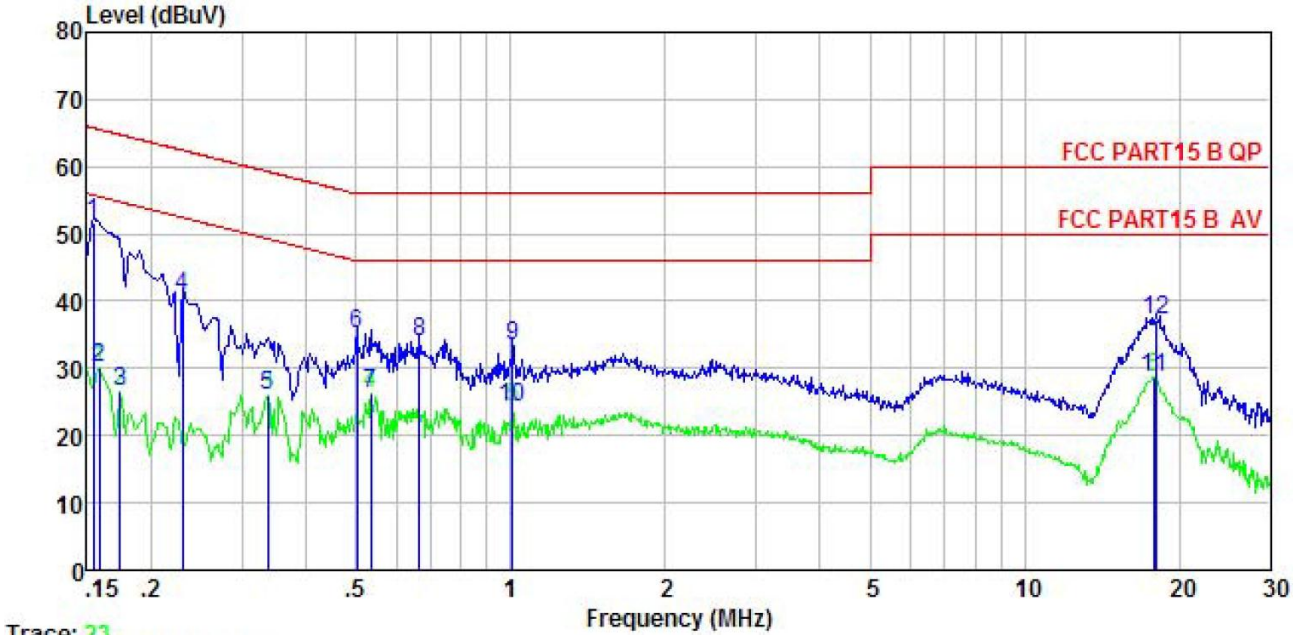
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	50.75	-0.68	10.78	60.85	66.00	-5.15	QP
2	0.150	42.29	-0.68	10.78	52.39	56.00	-3.61	Average
3	0.174	35.74	-0.69	10.77	45.82	54.77	-8.95	Average
4	0.182	45.40	-0.69	10.77	55.48	64.42	-8.94	QP
5	0.410	24.00	-0.64	10.72	34.08	47.64	-13.56	Average
6	0.614	42.74	-0.64	10.77	52.87	56.00	-3.13	QP
7	0.634	29.95	-0.64	10.77	40.08	46.00	-5.92	Average
8	1.839	25.41	-0.67	10.95	35.69	56.00	-20.31	QP
9	3.041	13.81	-0.67	10.92	24.06	46.00	-21.94	Average
10	3.123	26.75	-0.67	10.92	37.00	56.00	-19.00	QP
11	12.920	18.95	-0.80	10.92	29.07	50.00	-20.93	Average
12	13.408	28.41	-0.80	10.91	38.52	60.00	-21.48	QP

Notes:

1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Measurement data(For Adapter 2):

Product name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product model:	MaxiSysUltra
Test by:	YT	Test mode:	MaxiSys MS909
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.154	41.24	-0.45	10.78	51.57	65.78	-14.21	QP
2	0.158	19.84	-0.44	10.77	30.17	55.56	-25.39	Average
3	0.174	16.11	-0.43	10.77	26.45	54.77	-28.32	Average
4	0.230	30.48	-0.40	10.75	40.83	62.44	-21.61	QP
5	0.337	15.64	-0.38	10.73	25.99	49.27	-23.28	Average
6	0.502	24.75	-0.39	10.76	35.12	56.00	-20.88	QP
7	0.535	15.84	-0.39	10.76	26.21	46.00	-19.79	Average
8	0.665	23.61	-0.38	10.77	34.00	56.00	-22.00	QP
9	1.010	22.76	-0.38	10.87	33.25	56.00	-22.75	QP
10	1.010	13.84	-0.38	10.87	24.33	46.00	-21.67	Average
11	17.849	18.64	-0.86	10.92	28.70	50.00	-21.30	Average
12	17.944	27.13	-0.86	10.92	37.19	60.00	-22.81	QP

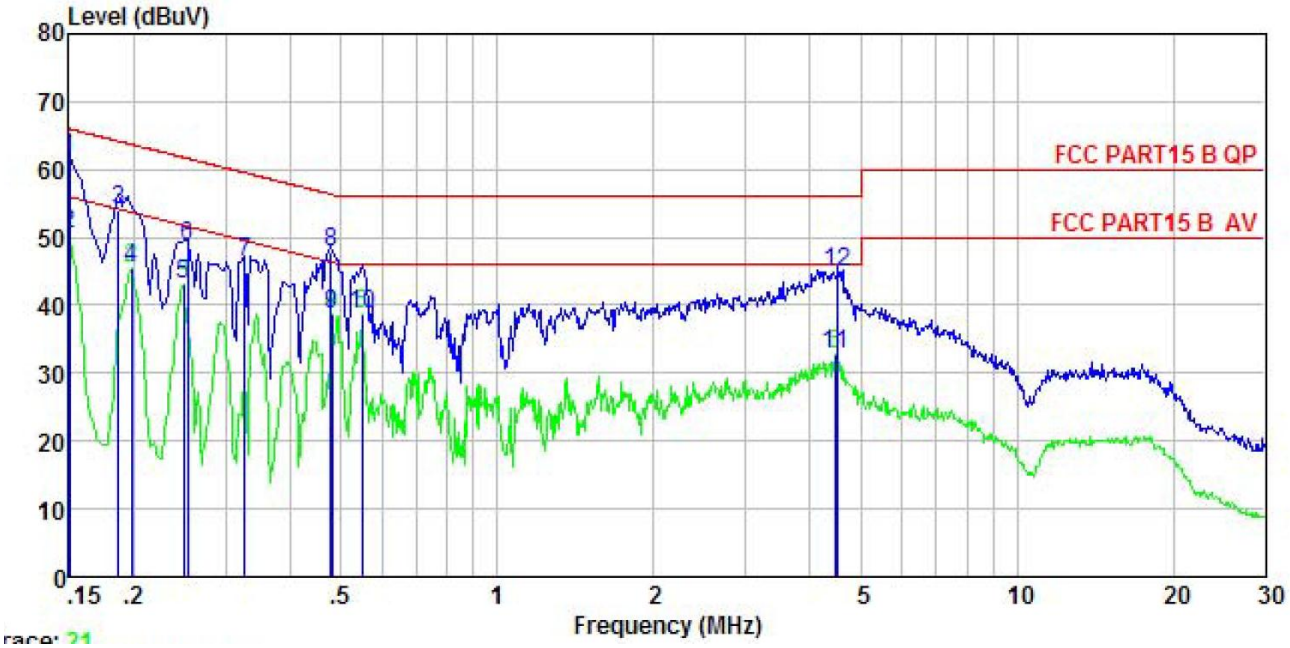
Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

Product name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product model:	MaxiSys MS909
Test by:	YT	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	51.55	-0.68	10.78	61.65	66.00	-4.35	QP
2	0.150	40.37	-0.68	10.78	50.47	56.00	-5.53	Average
3	0.186	44.10	-0.69	10.76	54.17	64.20	-10.03	QP
4	0.198	35.42	-0.69	10.76	45.49	53.71	-8.22	Average
5	0.249	32.94	-0.66	10.75	43.03	51.78	-8.75	Average
6	0.253	38.53	-0.65	10.75	48.63	61.64	-13.01	QP
7	0.327	36.27	-0.63	10.73	46.37	59.53	-13.16	QP
8	0.479	37.67	-0.65	10.75	47.77	56.36	-8.59	QP
9	0.481	28.47	-0.65	10.75	38.57	46.32	-7.75	Average
10	0.549	28.56	-0.65	10.76	38.67	46.00	-7.33	Average
11	4.454	22.48	-0.71	10.87	32.64	46.00	-13.36	Average
12	4.525	34.62	-0.71	10.87	44.78	56.00	-11.22	QP

Notes:

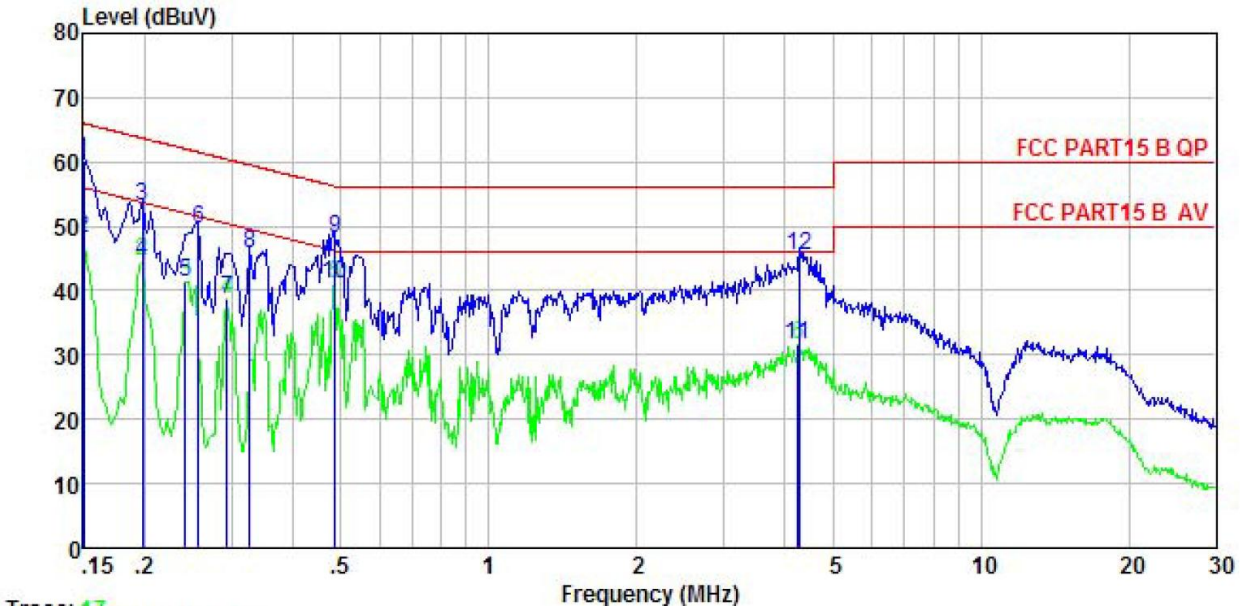
1. An initial pre-scan was performed on the line and neutral lines with peak detector.

3. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

Measurement data(For Adapter 3):

Product name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product model:	MaxiSys MS909
Test by:	YT	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	49.85	-0.45	10.78	60.18	66.00	-5.82	QP
2	0.150	37.74	-0.45	10.78	48.07	56.00	-7.93	Average
3	0.198	42.79	-0.41	10.76	53.14	63.71	-10.57	QP
4	0.198	34.25	-0.41	10.76	44.60	53.71	-9.11	Average
5	0.242	30.97	-0.40	10.75	41.32	52.04	-10.72	Average
6	0.258	39.22	-0.40	10.75	49.57	61.51	-11.94	QP
7	0.294	28.21	-0.39	10.74	38.56	50.41	-11.85	Average
8	0.327	35.41	-0.38	10.73	45.76	59.53	-13.77	QP
9	0.486	37.70	-0.39	10.76	48.07	56.23	-8.16	QP
10	0.486	30.69	-0.39	10.76	41.06	46.23	-5.17	Average
11	4.247	21.16	-0.47	10.88	31.57	46.00	-14.43	Average
12	4.269	35.18	-0.47	10.88	45.59	56.00	-10.41	QP

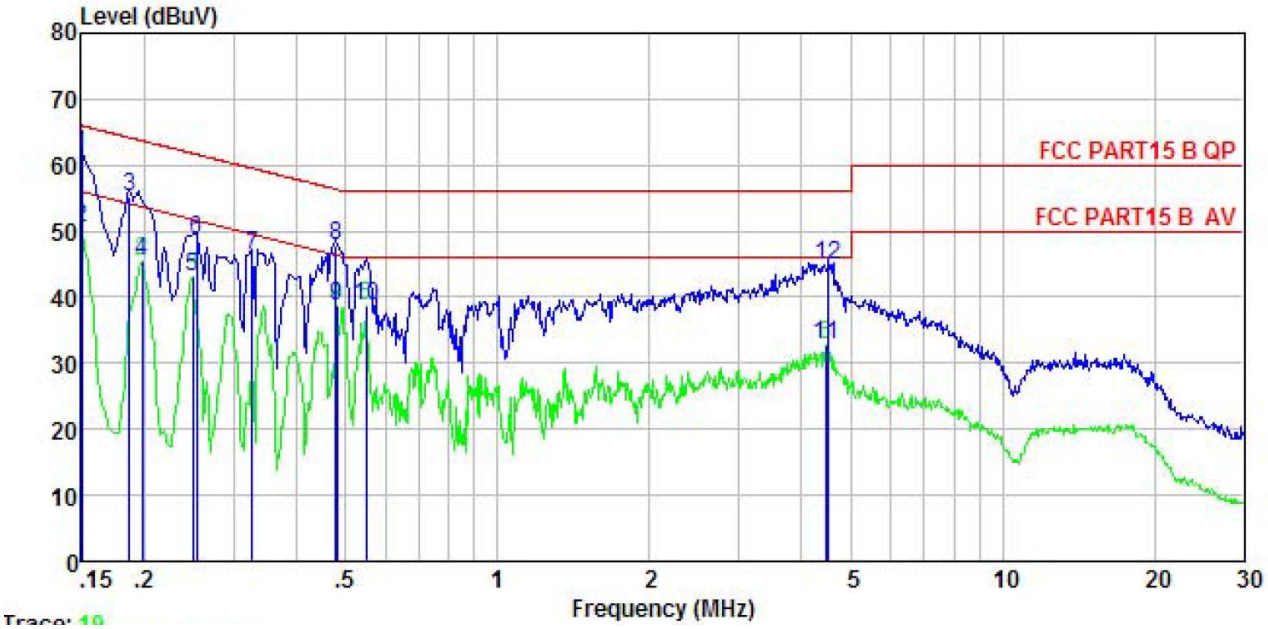
Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

Product name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product model:	MaxiSys MS909
Test by:	YT	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	51.55	-0.68	10.78	61.65	66.00	-4.35	QP
2	0.150	40.37	-0.68	10.78	50.47	56.00	-5.53	Average
3	0.186	45.10	-0.69	10.76	55.17	64.20	-9.03	QP
4	0.198	35.42	-0.69	10.76	45.49	53.71	-8.22	Average
5	0.249	32.94	-0.66	10.75	43.03	51.78	-8.75	Average
6	0.253	38.53	-0.65	10.75	48.63	61.64	-13.01	QP
7	0.327	36.27	-0.63	10.73	46.37	59.53	-13.16	QP
8	0.479	37.67	-0.65	10.75	47.77	56.36	-8.59	QP
9	0.481	28.47	-0.65	10.75	38.57	46.32	-7.75	Average
10	0.549	28.56	-0.65	10.76	38.67	46.00	-7.33	Average
11	4.454	22.48	-0.71	10.87	32.64	46.00	-13.36	Average
12	4.525	34.62	-0.71	10.87	44.78	56.00	-11.22	QP

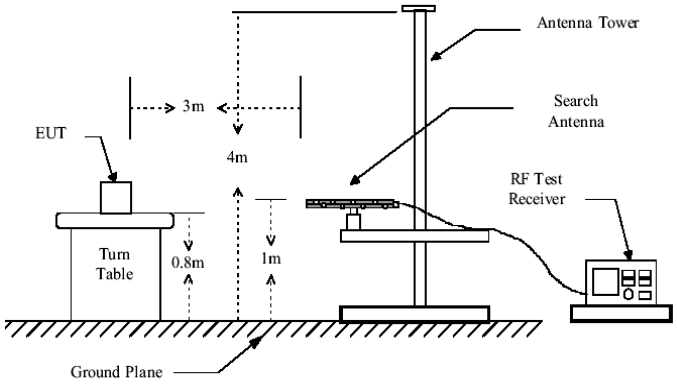
Notes:

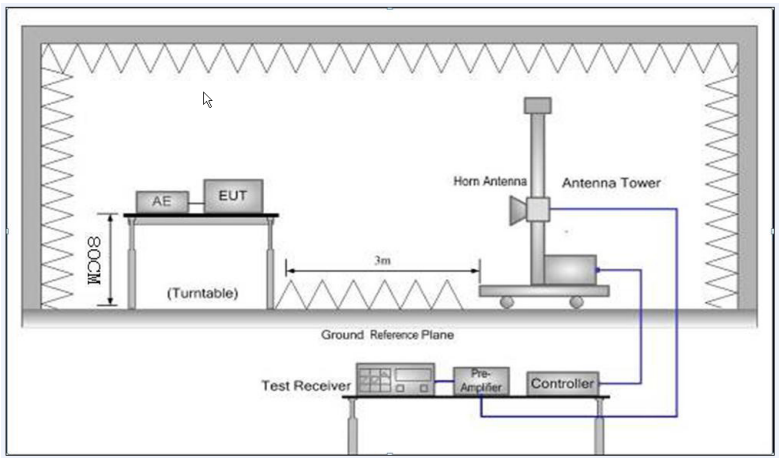
1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

6.2 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part 15 B Section 15.109</td></tr>
<tr><td>Test Method:</td><td colspan="5">ANSI C63.4:2014</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">30MHz to 6000MHz</td></tr>
<tr><td>Test site:</td><td colspan="5">Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td rowspan="4">Receiver setup:</td><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300kHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>RMS</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
<tr><td rowspan="7">Limit:</td><td colspan="2">Frequency</td><td colspan="2">Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td colspan="2">30MHz-88MHz</td><td colspan="2">40.0</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2">88MHz-216MHz</td><td colspan="2">43.5</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2">216MHz-960MHz</td><td colspan="2">46.0</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2">960MHz-1GHz</td><td colspan="2">54.0</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2" rowspan="2">Above 1GHz</td><td colspan="2">54.0</td><td>Average Value</td></tr>
<tr><td colspan="2">74.0</td><td>Peak Value</td></tr>
<tr><td>Test setup:</td><td colspan="5">Below 1GHz
 

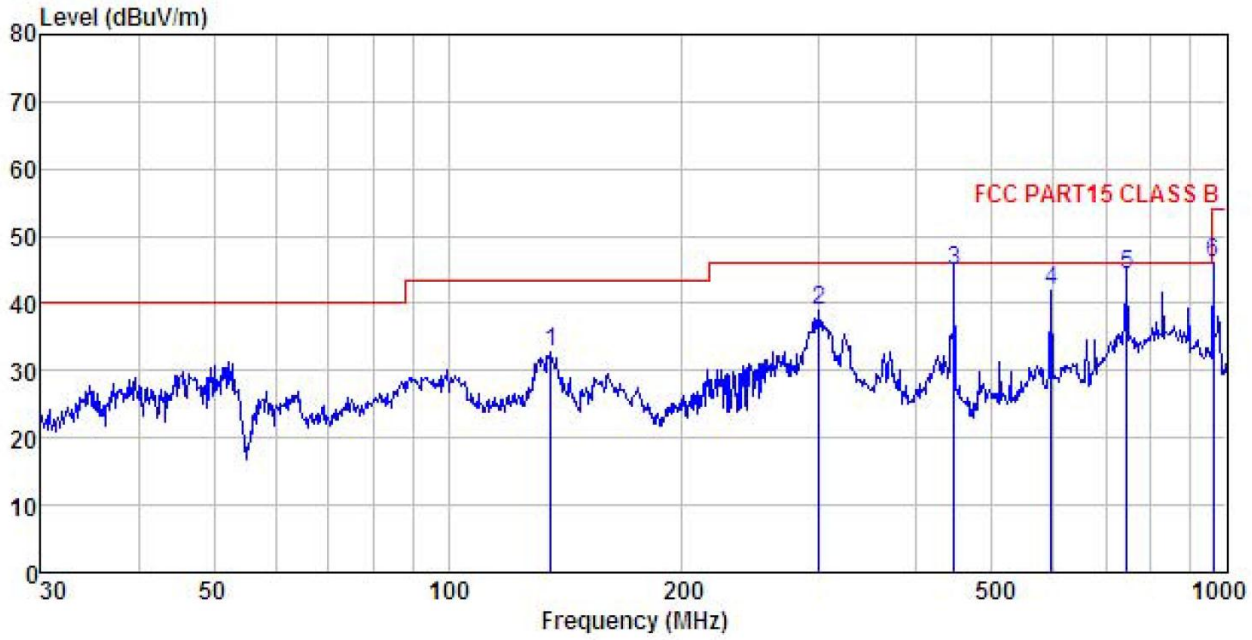
Above 1GHz
 
</td></tr>
<tr><td>Test Procedure:</td><td colspan="5">1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both</td></tr>
</table>

	horizontal and vertical polarizations of the antenna are set to make the measurement. 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded

Measurement Data(For Adapter 1):

Below 1GHz:

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	**Product Model:**	MaxiSys MS909
Test By:	YT	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%

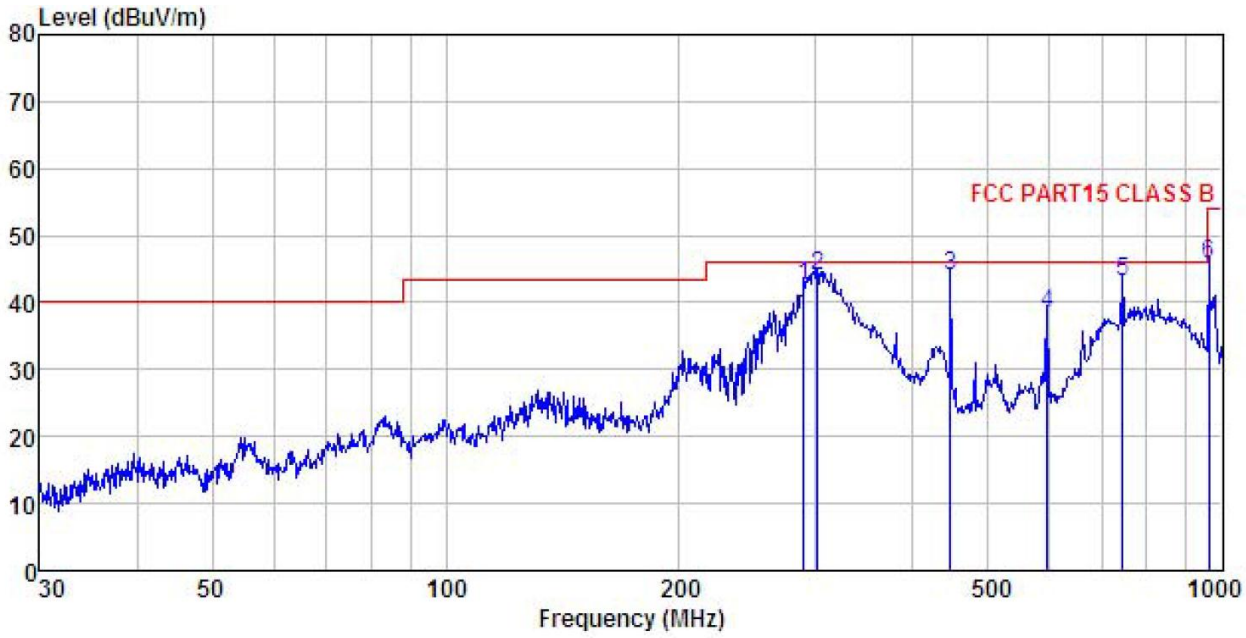


	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	135.506	50.01	9.80	2.35	29.30	32.86	43.50	-10.64	QP
2	299.316	50.88	13.60	2.94	28.45	38.97	46.00	-7.03	QP
3	446.414	54.08	16.41	3.19	28.86	44.82	46.00	-1.18	QP
4	595.133	47.49	19.39	3.94	28.95	41.87	46.00	-4.13	QP
5	744.866	47.79	20.59	4.34	28.50	44.22	46.00	-1.78	QP
6	962.162	46.84	22.73	4.27	27.65	46.19	54.00	-7.81	QP

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



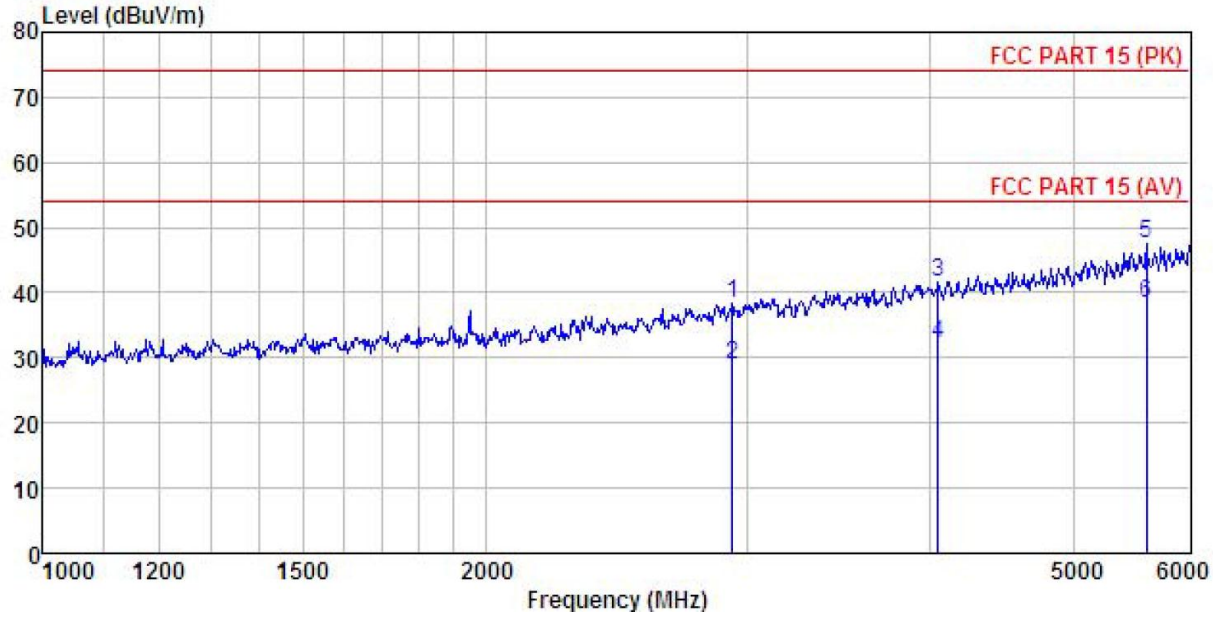
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	289.002	54.72	13.41	2.91	28.47	42.57	46.00	-3.43	QP
2	301.422	55.99	13.63	2.94	28.45	44.11	46.00	-1.89	QP
3	446.414	53.18	16.41	3.19	28.86	43.92	46.00	-2.08	QP
4	595.133	44.08	19.39	3.94	28.95	38.46	46.00	-7.54	QP
5	744.866	46.78	20.59	4.34	28.50	43.21	46.00	-2.79	QP
6	962.162	46.35	22.73	4.27	27.65	45.70	54.00	-8.30	QP

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Above 1GHz:

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

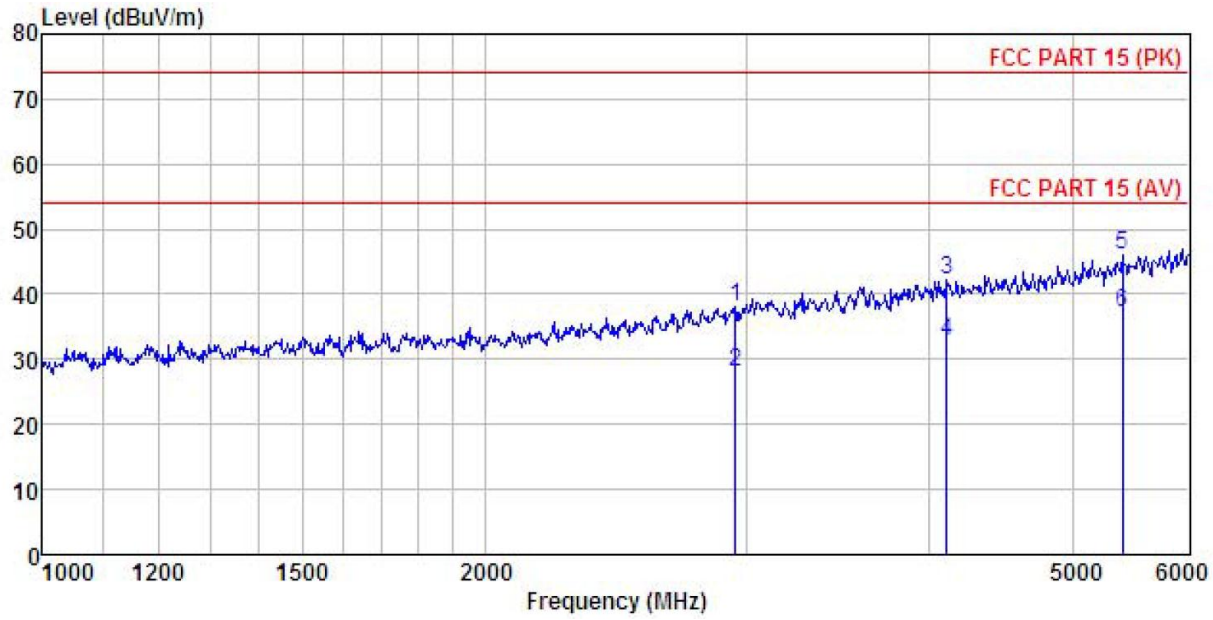


	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2935.411	46.27	28.38	5.29	41.55	38.39	74.00	-35.61	Peak
2	2935.411	36.71	28.38	5.29	41.55	28.83	54.00	-25.17	Average
3	4045.367	47.05	30.31	6.18	41.81	41.73	74.00	-32.27	Peak
4	4045.367	37.64	30.31	6.18	41.81	32.32	54.00	-21.68	Average
5	5605.076	49.46	32.62	7.30	41.79	47.59	74.00	-26.41	Peak
6	5605.076	40.21	32.62	7.30	41.79	38.34	54.00	-15.66	Average

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2951.232	45.80	28.40	5.30	41.55	37.95	74.00	-36.05	Peak
2	2951.232	35.78	28.40	5.30	41.55	27.93	54.00	-26.07	Average
3	4111.131	47.55	30.32	6.27	41.81	42.33	74.00	-31.67	Peak
4	4111.131	37.89	30.32	6.27	41.81	32.67	54.00	-21.33	Average
5	5407.773	48.53	32.39	7.13	41.86	46.19	74.00	-27.81	Peak
6	5407.773	39.42	32.39	7.13	41.86	37.08	54.00	-16.92	Average

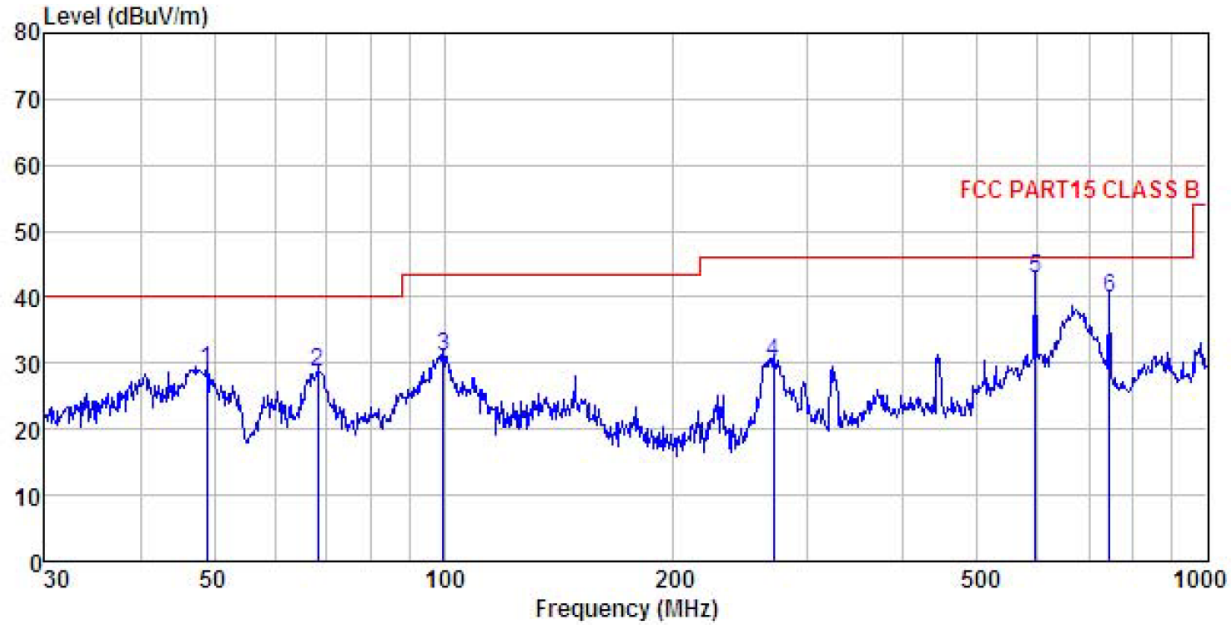
Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Measurement Data(For Adapter 2):

Below 1GHz:

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	**Product Model:**	MaxiSys MS909
Test By:	YT	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



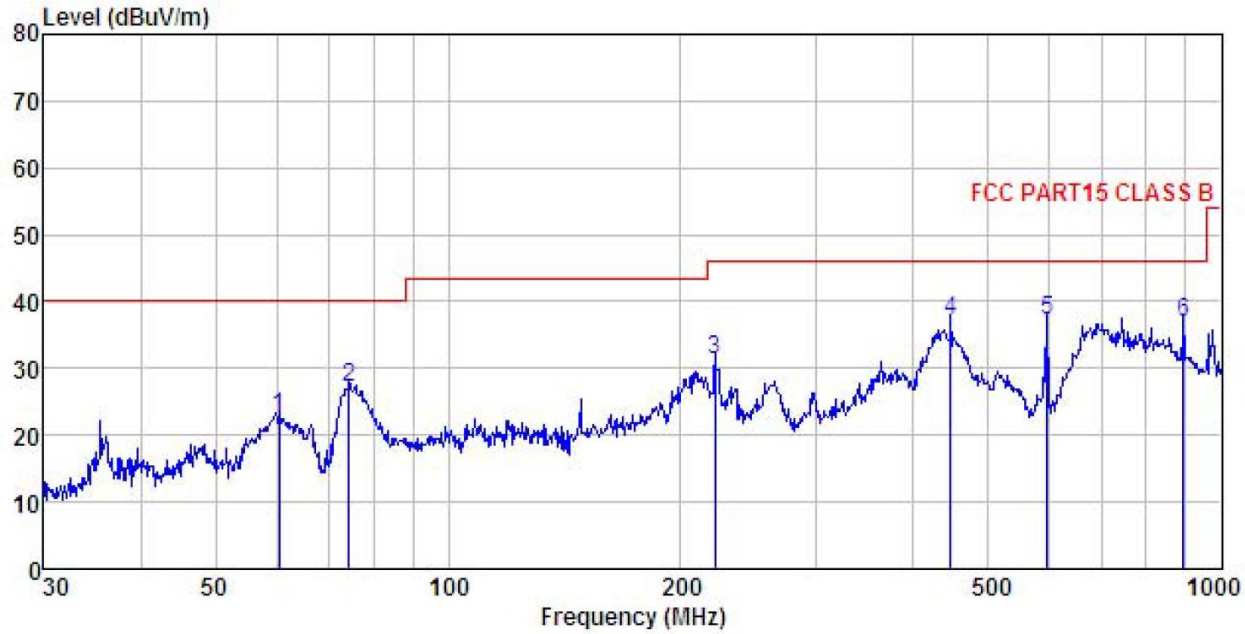
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	48.843	45.30	12.15	1.27	29.83	28.89	40.00	-11.11	QP
2	68.391	48.01	8.87	1.46	29.73	28.61	40.00	-11.39	QP
3	99.878	46.23	12.41	1.94	29.53	31.05	43.50	-12.45	QP
4	270.375	42.76	13.10	2.86	28.50	30.22	46.00	-15.78	QP
5	595.133	48.41	19.39	3.94	28.95	42.79	46.00	-3.21	QP
6	744.866	43.33	20.59	4.34	28.50	39.76	46.00	-6.24	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	60.492	39.93	11.21	1.38	29.77	22.75	40.00	-17.25	QP
2	74.396	47.47	7.89	1.63	29.68	27.31	40.00	-12.69	QP
3	221.392	45.55	11.55	2.84	28.70	31.24	46.00	-14.76	QP
4	446.414	46.45	16.41	3.19	28.86	37.19	46.00	-8.81	QP
5	595.133	42.74	19.39	3.94	28.95	37.12	46.00	-8.88	QP
6	893.857	38.41	22.51	3.77	27.89	36.80	46.00	-9.20	QP

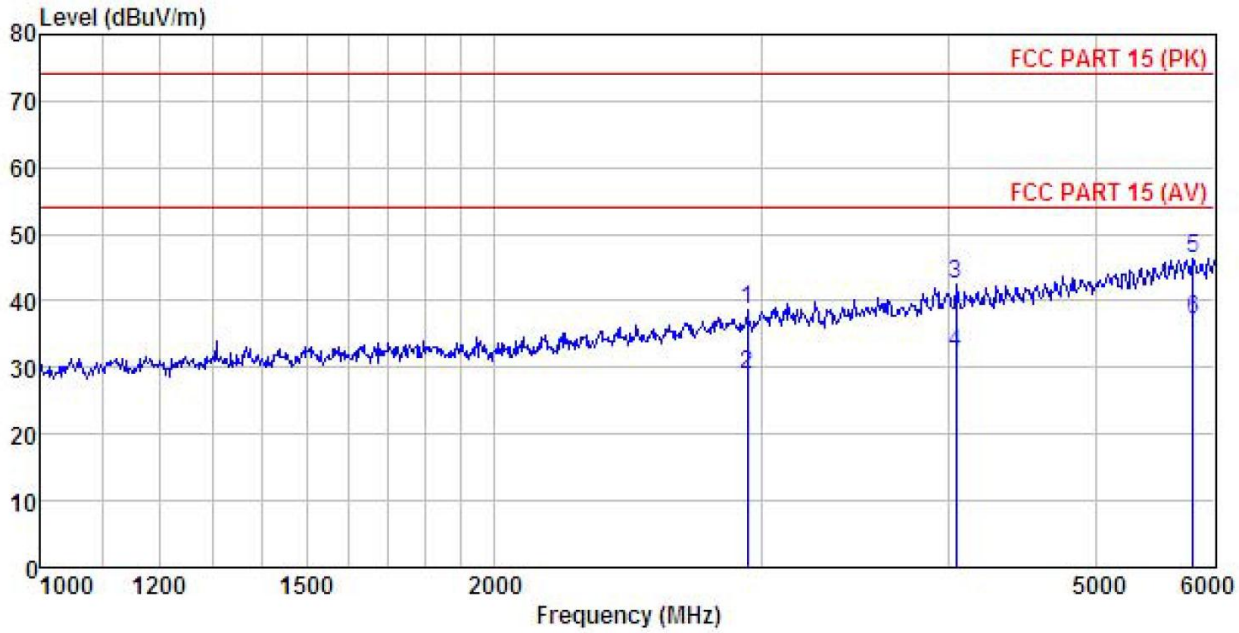
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	**Product Model:**	MaxiSys MS909
Test By:	YT	**Test mode:**	PC mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



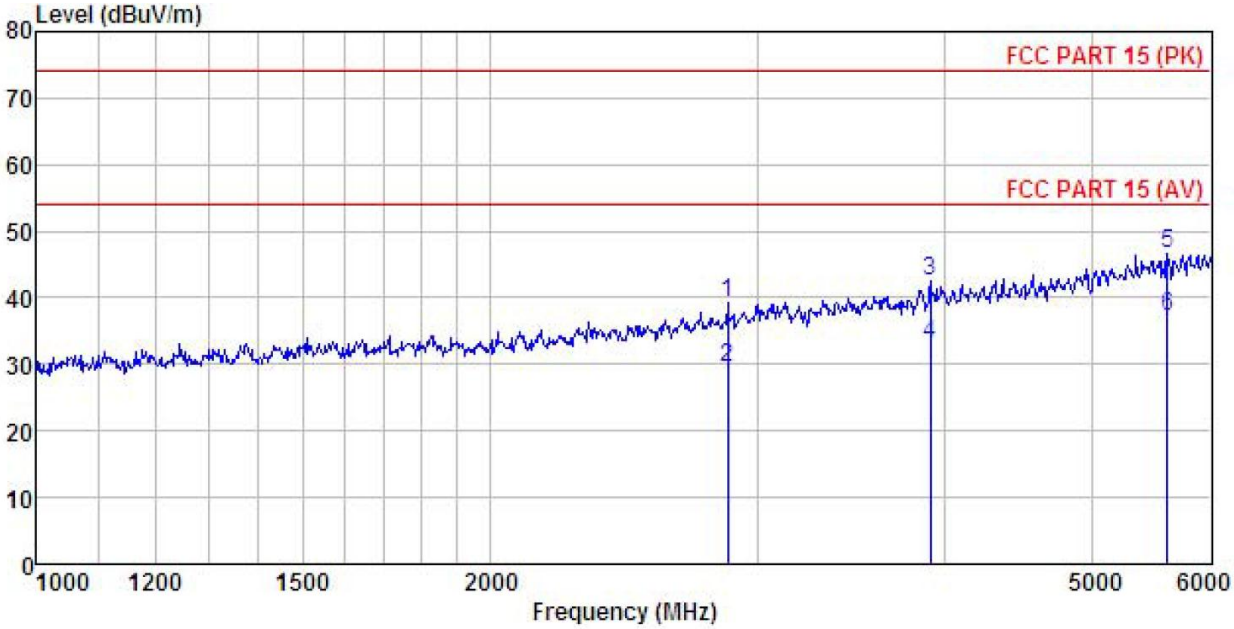
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2940.675	46.51	28.38	5.29	41.55	38.63	74.00	-35.37	Peak
2	2940.675	36.73	28.38	5.29	41.55	28.85	54.00	-25.15	Average
3	4038.126	47.71	30.31	6.16	41.81	42.37	74.00	-31.63	Peak
4	4038.126	37.58	30.31	6.16	41.81	32.24	54.00	-21.76	Average
5	5799.177	47.83	32.66	7.89	42.02	46.36	74.00	-27.64	Peak
6	5799.177	38.54	32.66	7.89	42.02	37.07	54.00	-16.93	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2867.827	47.48	28.23	5.21	41.60	39.32	74.00	-34.68	Peak
2	2867.827	37.59	28.23	5.21	41.60	29.43	54.00	-24.57	Average
3	3909.967	48.19	30.01	6.10	41.80	42.50	74.00	-31.50	Peak
4	3909.967	38.64	30.01	6.10	41.80	32.95	54.00	-21.05	Average
5	5615.128	48.38	32.62	7.35	41.81	46.54	74.00	-27.46	Peak
6	5615.128	38.97	32.62	7.35	41.81	37.13	54.00	-16.87	Average

Remark:

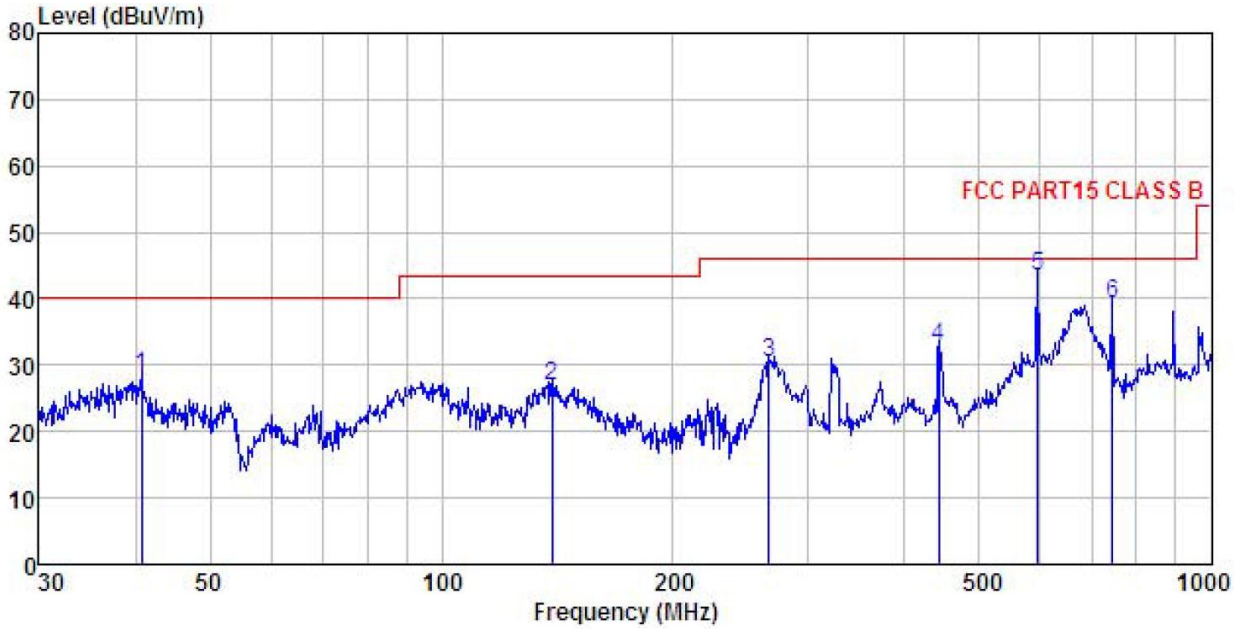
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Measurement Data(For Adapter 3):

Below 1GHz:

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	**Product Model:**	MaxiSys MS909
Test By:	YT	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



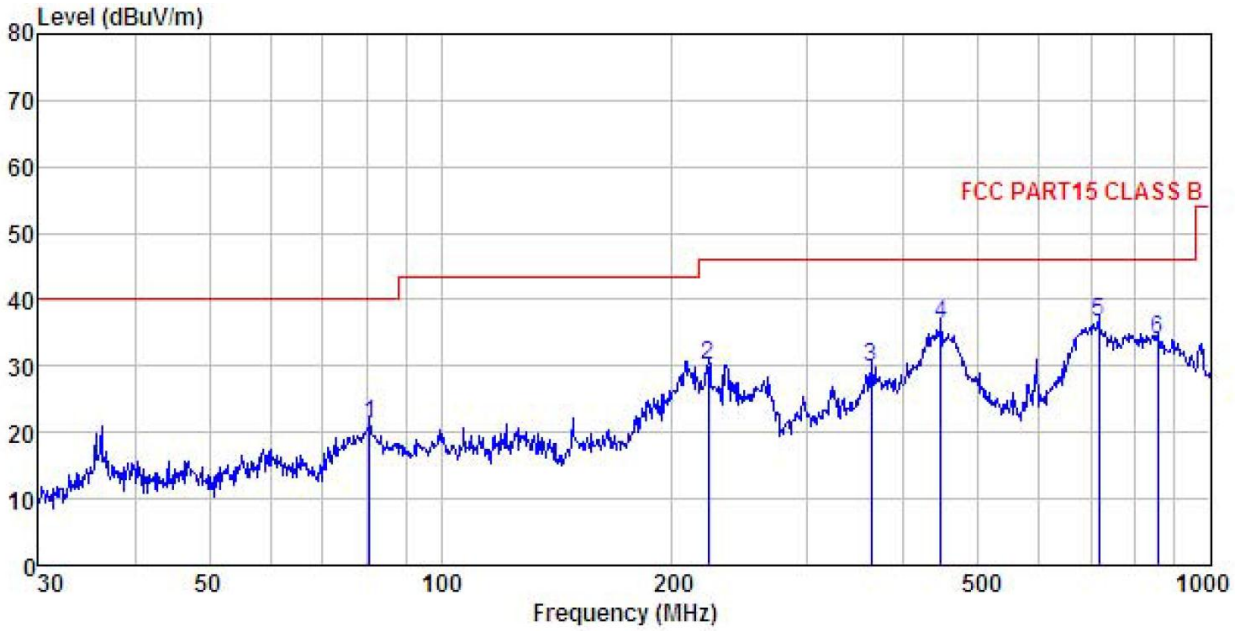
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	40.702	44.62	12.39	1.22	29.89	28.34	40.00	-11.66	QP
2	139.361	44.16	9.54	2.39	29.28	26.81	43.50	-16.69	QP
3	266.609	43.06	13.01	2.85	28.51	30.41	46.00	-15.59	QP
4	443.294	42.05	16.33	3.18	28.86	32.70	46.00	-13.30	QP
5	595.133	49.07	19.39	3.94	28.95	43.45	46.00	-2.55	QP
6	744.866	42.96	20.59	4.34	28.50	39.39	46.00	-6.61	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	80.927	41.53	7.76	1.69	29.63	21.35	40.00	-18.65	QP
2	222.950	44.47	11.63	2.84	28.69	30.25	46.00	-15.75	QP
3	362.985	40.43	14.80	3.09	28.62	29.70	46.00	-16.30	QP
4	446.414	45.59	16.41	3.19	28.86	36.33	46.00	-9.67	QP
5	716.682	40.49	20.48	4.24	28.60	36.61	46.00	-9.39	QP
6	854.025	35.32	22.59	4.15	27.99	34.07	46.00	-11.93	QP

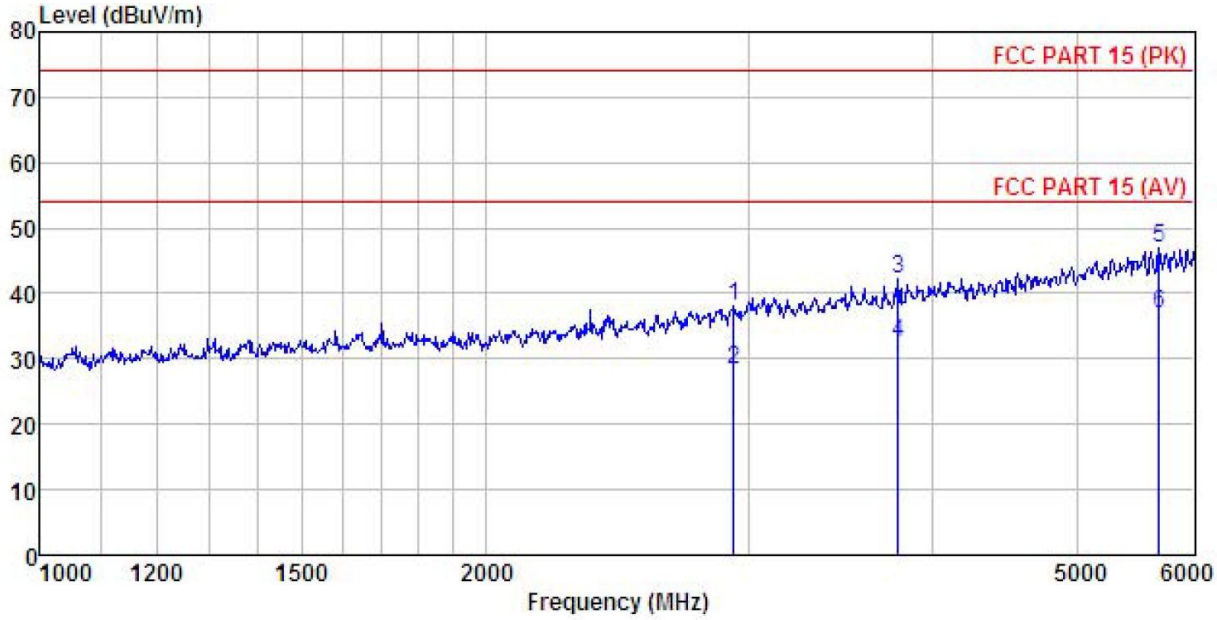
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	**Product Model:**	MaxiSys MS909
Test By:	YT	**Test mode:**	PC mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



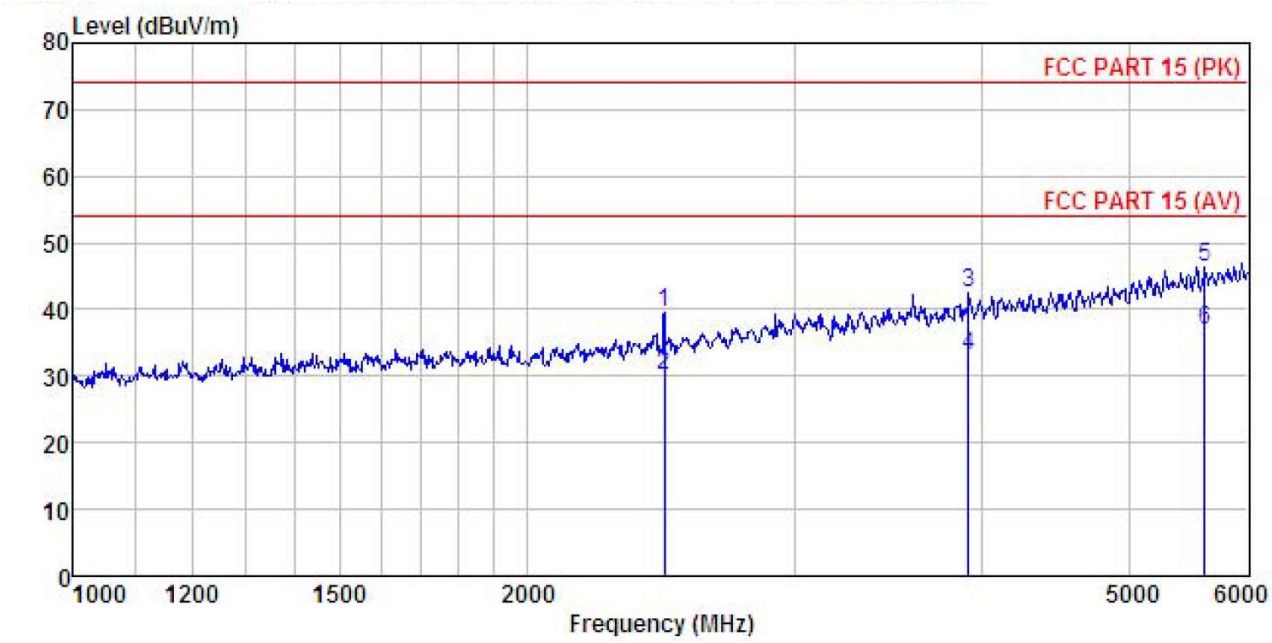
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2935.411	45.99	28.38	5.29	41.55	38.11	74.00	-35.89	Peak
2	2935.411	36.16	28.38	5.29	41.55	28.28	54.00	-25.72	Average
3	3785.876	48.23	29.61	6.07	41.78	42.13	74.00	-31.87	Peak
4	3785.876	38.68	29.61	6.07	41.78	32.58	54.00	-21.42	Average
5	5685.998	48.74	32.64	7.55	41.89	47.04	74.00	-26.96	Peak
6	5685.998	38.59	32.64	7.55	41.89	36.89	54.00	-17.11	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	ADVANCED DIAGNOSTIC & ANALYSIS SYSTEM	Product Model:	MaxiSys MS909
Test By:	YT	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2462.692	49.41	27.29	4.78	41.91	39.57	74.00	-34.43	Peak
2	2462.692	39.95	27.29	4.78	41.91	30.11	54.00	-23.89	Average
3	3916.979	48.26	30.03	6.10	41.80	42.59	74.00	-31.41	Peak
4	3916.979	38.59	30.03	6.10	41.80	32.92	54.00	-21.08	Average
5	5615.128	48.27	32.62	7.35	41.81	46.43	74.00	-27.57	Peak
6	5615.128	38.79	32.62	7.35	41.81	36.95	54.00	-17.05	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.