

TEST REPORT

Applicant: Autel Intelligent Tech. Corp., Ltd.

Address of Applicant: 7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen 518055, China

Manufacturer: Autel Intelligent Tech. Corp., Ltd.

Address of Manufacturer: 7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen 518055, China

Factory 1: Autel Intelligent Technology Corp., Ltd.

Address of Factory 1: 6th Floor, Building 1, Yanxiang Zhigu, NO.11 Gaoxin West Rd, Guangming New District, Shenzhen City, Guangdong Province, China.

Factory 2: AUTEL VIETNAM COMPANY LIMITED

Address of Factory 2: 4th Floor, Factory#6, Land#CN1, An Duong Industrial Zone, Hong Phong Township, An Duong County, Hai Phong, Viet Nam

Equipment Under Test (EUT)

Product Name: MaxiFlash VCM1

Model No.: MaxiFlash VCM1

Trade Mark: Autel

FCC ID: WQ8VCM11911

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: September 25, 2019

Date of Test: September 25-29, 2019

Date of report issued: September 29, 2019

Test Result : Pass *

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

Authorized Signature:



Robinson Lo

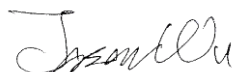
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	September 29, 2019	Original

Prepared By:

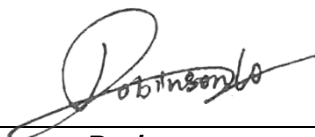


Date:

September 29, 2019

Project Engineer

Check By:



Date:

September 29, 2019

Reviewer

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4 Test Summary

Test Item	Test Requirement	Test Method	Class / Severity	Result
Conducted Emission	FCC Part15.107	ANSI C63.4	Class B	Pass
Radiated Emissions	FCC Part15.109	ANSI C63.4	Class B	Pass

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.
2. # Refer to FCC Part 15.33 (b)(1) conditional testing procedure :

The highest frequency generated or used in the EUT	Test frequency range of Radiated emission
<108MHz	30MHz ~ 1GHz
108MHz ~ 500MHz	30MHz ~ 2GHz
500MHz ~ 1GHz	30MHz ~ 5GHz
>1GHz	30MHz ~ 5th harmonic of the highest frequency or 40 GHz, whichever is lower.

The highest frequency of the internal sources of the EUT is more than 108MHz.

5 General Information

5.1 General Description of EUT

Product Name:	MaxiFlash VCMI
Model No.:	MaxiFlash VCMI
Serial No.:	123456789101112
Hardware Version:	V6
Software Version:	V1.00.10
Test sample(s) ID:	GTS201909000203-2
Sample(s) Status	Normal sample
Power Supply:	Adapter Model: A361-1203000DI Input: AC 100-240V, 50/60Hz, 1.5A Output: DC 12V, 3000mA Rechargeable battery: DC3.8V 3750mAh 14.25Wh

5.2 Test mode and Test voltage

Test mode:	
Oscilloscope mode	Keep the EUT in Oscilloscope mode.
Multimeter mode	Keep the EUT in Multimeter mode.
Signal generator mode	Keep the EUT in Signal generator mode.
OBD mode	Keep the EUT in OBD mode.
Test voltage:	
AC 120V/60Hz	

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
Supplied by client	ECU (MED17.1.6)	N/A	N/A
AUTEL	DV1912	Maxisys_Ultra	N/A

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

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

- **FCC —Registration No.: 381383**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

- **IC —Registration No.: 9079A**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.7 Test Location

Tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

6 Test Instruments list

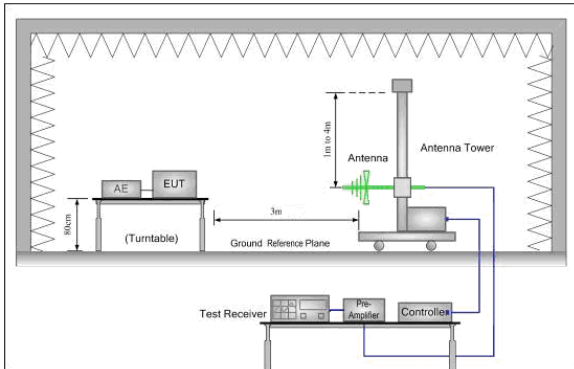
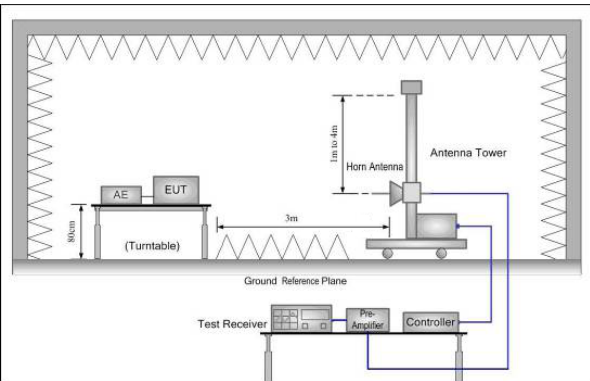
Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 26 2019	June. 25 2020
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 26 2019	June. 25 2020
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 26 2019	June. 25 2020
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 26 2019	June. 25 2020
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 26 2019	June. 25 2020
9	Coaxial Cable	GTS	N/A	GTS211	June. 26 2019	June. 25 2020
10	Coaxial cable	GTS	N/A	GTS210	June. 26 2019	June. 25 2020
11	Coaxial Cable	GTS	N/A	GTS212	June. 26 2019	June. 25 2020
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 26 2019	June. 25 2020
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 26 2019	June. 25 2020
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 26 2019	June. 25 2020
15	Band filter	Amindeon	82346	GTS219	June. 26 2019	June. 25 2020
16	Power Meter	Anritsu	ML2495A	GTS540	June. 26 2019	June. 25 2020
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 26 2019	June. 25 2020
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 26 2019	June. 25 2020
19	Splitter	Agilent	11636B	GTS237	June. 26 2019	June. 25 2020
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 26 2019	June. 25 2020
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 20 2018	Oct. 19 2019
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 20 2018	Oct. 19 2019
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 20 2018	Oct. 19 2019
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 26 2019	June. 25 2020

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.15 2019	May.14 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 26 2019	June. 25 2020
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 26 2019	June. 25 2020
4	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	June. 26 2019	June. 25 2020
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June. 26 2019	June. 25 2020
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 26 2019	June. 25 2020
9	ISN	SCHWARZBECK	NTFM 8158	GTD565	June. 26 2019	June. 25 2020

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 26 2019	June. 25 2020
2	Barometer	ChangChun	DYM3	GTS255	June. 26 2019	June. 25 2020

7 Test Results and Measurement Data

7.1 Radiated Emission

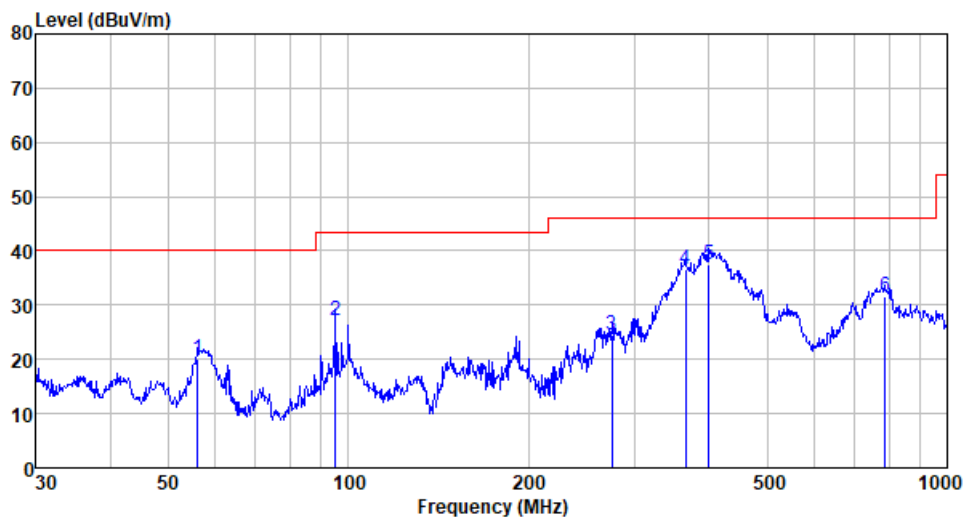
Test Requirement:	FCC Part15 B Section 15.109																								
Test Method:	ANSI C63.4:2014																								
Test Frequency Range:	30MHz to 6GHz																								
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																								
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Value</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300kHz</td><td>Quasi-peak</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr><tr><td>Average</td><td>1MHz</td><td>3MHz</td><td>Average</td></tr></table>					Frequency	Detector	RBW	VBW	Value	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	Above 1GHz	Peak	1MHz	3MHz	Peak	Average	1MHz	3MHz	Average	
Frequency	Detector	RBW	VBW	Value																					
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																					
Above 1GHz	Peak	1MHz	3MHz	Peak																					
	Average	1MHz	3MHz	Average																					
Limit:	<table><tr><td>Frequency</td><td>Limit (dBμV/m @3m)</td><td>Value</td></tr><tr><td>30MHz-88MHz</td><td>40.00</td><td>Quasi-peak</td></tr><tr><td>88MHz-216MHz</td><td>43.50</td><td>Quasi-peak</td></tr><tr><td>216MHz-960MHz</td><td>46.00</td><td>Quasi-peak</td></tr><tr><td>960MHz-1GHz</td><td>54.00</td><td>Quasi-peak</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.00</td><td>Average</td></tr><tr><td>74.00</td><td>Peak</td></tr></table>					Frequency	Limit (dBμV/m @3m)	Value	30MHz-88MHz	40.00	Quasi-peak	88MHz-216MHz	43.50	Quasi-peak	216MHz-960MHz	46.00	Quasi-peak	960MHz-1GHz	54.00	Quasi-peak	Above 1GHz	54.00	Average	74.00	Peak
Frequency	Limit (dBμV/m @3m)	Value																							
30MHz-88MHz	40.00	Quasi-peak																							
88MHz-216MHz	43.50	Quasi-peak																							
216MHz-960MHz	46.00	Quasi-peak																							
960MHz-1GHz	54.00	Quasi-peak																							
Above 1GHz	54.00	Average																							
	74.00	Peak																							
Test setup:	Below 1GHz  Above 1GHz 																								
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above																								

	the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - 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. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - 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 environment:	Temp.: 25 °C Humid.: 52% Press.: 1 012mbar
Test Instruments:	Refer to section 6 for details
Test mode:	Refer to section 5.2 for details ,and only show the worst mode
Test results:	Pass

Measurement Data

Below 1GHz

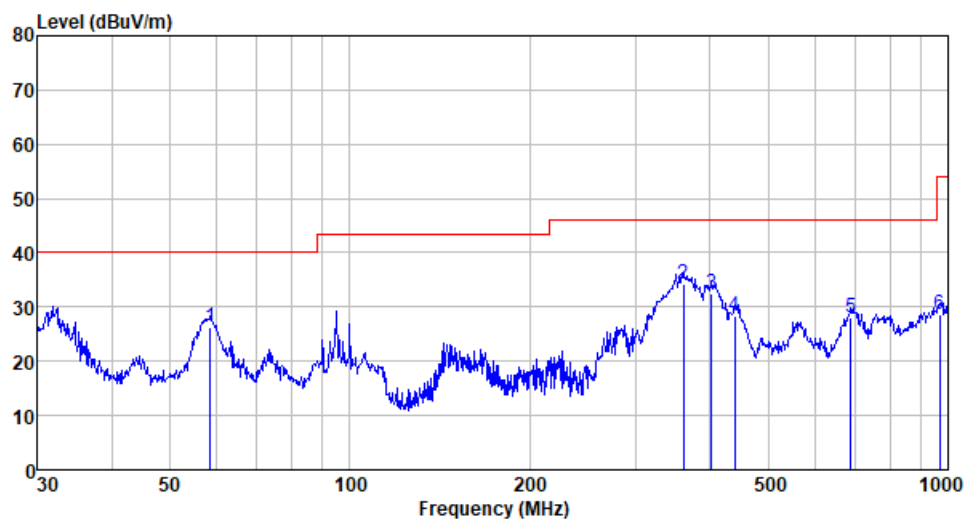
Test mode:	Multimeter	Antenna Polarity:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
56.001	43.93	11.68	0.83	36.27	20.17	40.00	-19.83	QP
95.093	51.10	11.52	1.15	36.68	27.09	43.50	-16.41	QP
275.157	46.79	12.91	2.25	37.40	24.55	46.00	-21.45	QP
365.539	56.64	14.78	2.69	37.49	36.62	46.00	-9.38	QP
400.432	56.79	15.34	2.85	37.52	37.46	46.00	-8.54	QP
787.851	43.57	21.21	4.41	37.62	31.57	46.00	-14.43	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

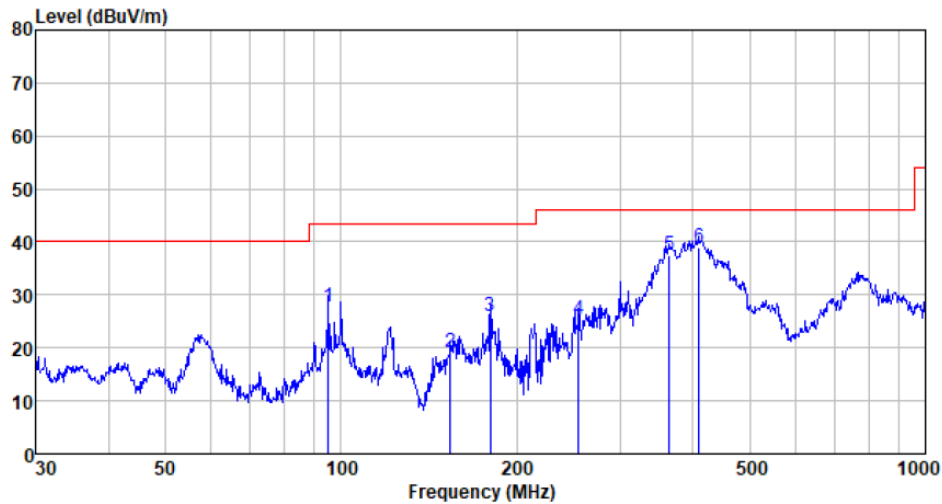
Test mode:	Multimeter	Antenna Polarity:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
58.407	50.32	11.45	0.85	36.30	26.32	40.00	-13.68	QP
361.714	54.32	14.72	2.68	37.49	34.23	46.00	-11.77	QP
401.839	51.87	15.34	2.86	37.52	32.55	46.00	-13.45	QP
440.196	46.72	16.16	3.05	37.52	28.41	46.00	-17.59	QP
687.151	41.93	19.59	4.05	37.62	27.95	46.00	-18.05	QP
968.934	38.47	22.59	5.11	37.54	28.63	54.00	-25.37	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

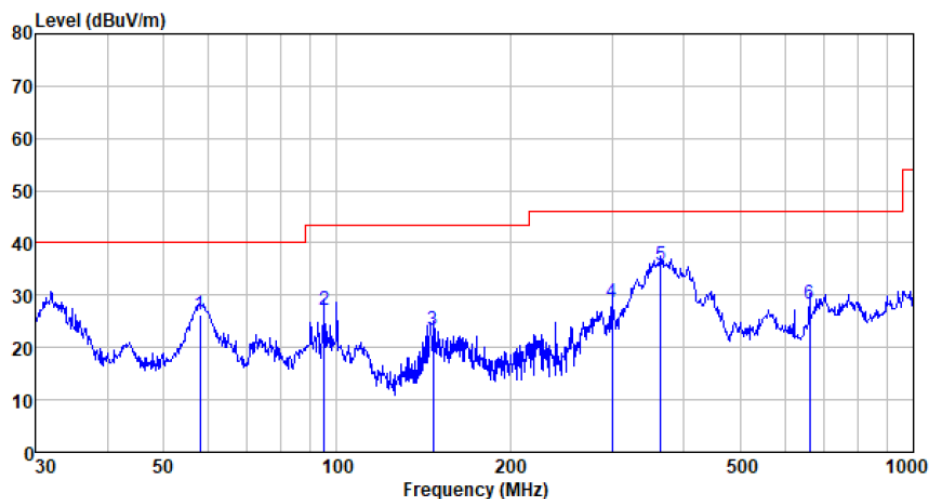
Test mode:	Oscilloscope	Antenna Polarity:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
95.093	51.73	11.52	1.15	36.68	27.72	43.50	-15.78	QP
153.739	46.73	7.90	1.59	37.10	19.12	43.50	-24.38	QP
180.017	52.54	8.90	1.74	37.24	25.94	43.50	-17.56	QP
254.728	48.34	12.29	2.15	37.38	25.40	46.00	-20.60	QP
364.260	57.65	14.75	2.69	37.49	37.60	46.00	-8.40	QP
410.383	58.08	15.54	2.91	37.52	39.01	46.00	-6.99	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

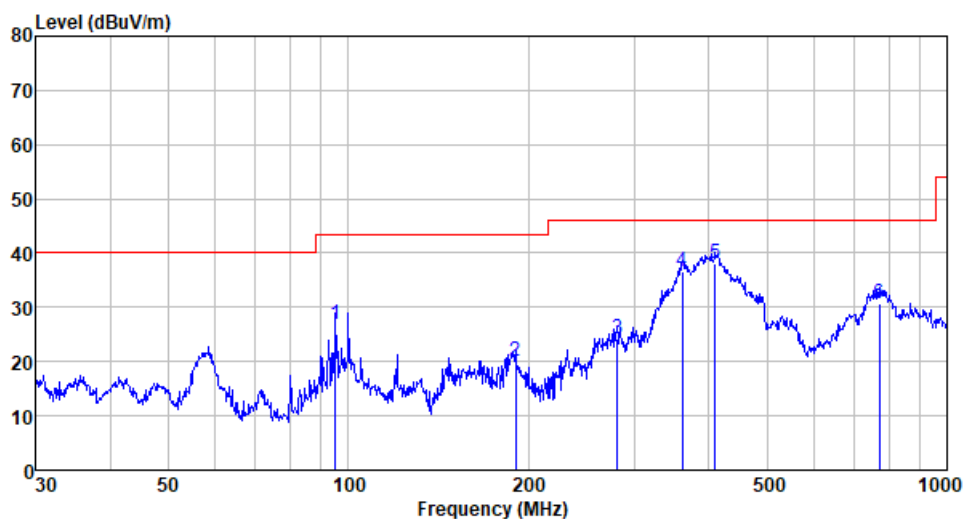
Test mode:	Oscilloscope	Antenna Polarity:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
57.999	50.33	11.50	0.84	36.30	26.37	40.00	-13.63	QP
95.093	51.30	11.52	1.15	36.68	27.29	43.50	-16.21	QP
146.888	51.18	7.54	1.55	37.06	23.21	43.50	-20.29	QP
300.367	50.21	13.60	2.36	37.42	28.75	46.00	-17.25	QP
364.260	55.66	14.75	2.69	37.49	35.61	46.00	-10.39	QP
661.151	42.50	19.56	3.95	37.60	28.41	46.00	-17.59	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

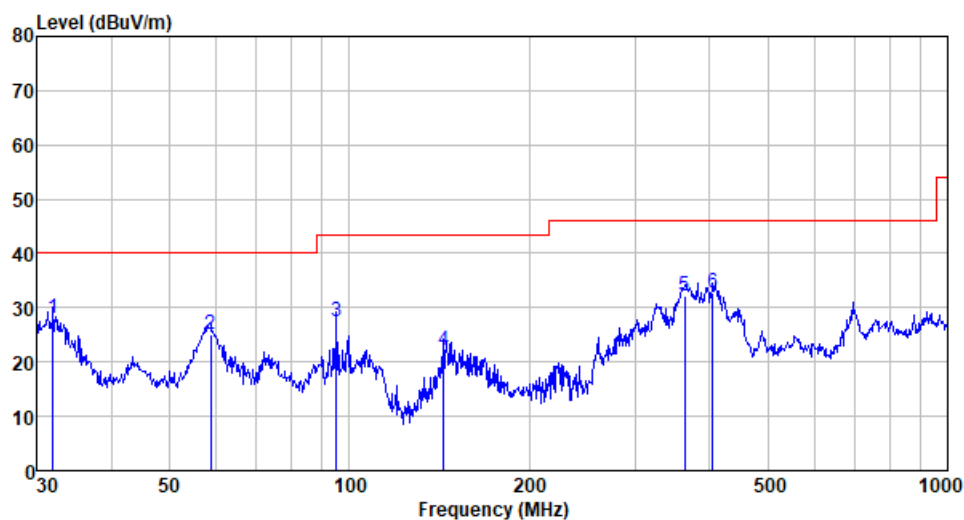
Test mode:	Signal generator	Antenna Polarity:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
95.093	50.86	11.52	1.15	36.68	26.85	43.50	-16.65	QP
190.405	45.72	9.90	1.79	37.29	20.12	43.50	-23.38	QP
281.008	46.35	13.09	2.27	37.41	24.30	46.00	-21.70	QP
361.714	56.78	14.72	2.68	37.49	36.69	46.00	-9.31	QP
410.383	57.24	15.54	2.91	37.52	38.17	46.00	-7.83	QP
771.449	43.10	20.90	4.36	37.62	30.74	46.00	-15.26	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

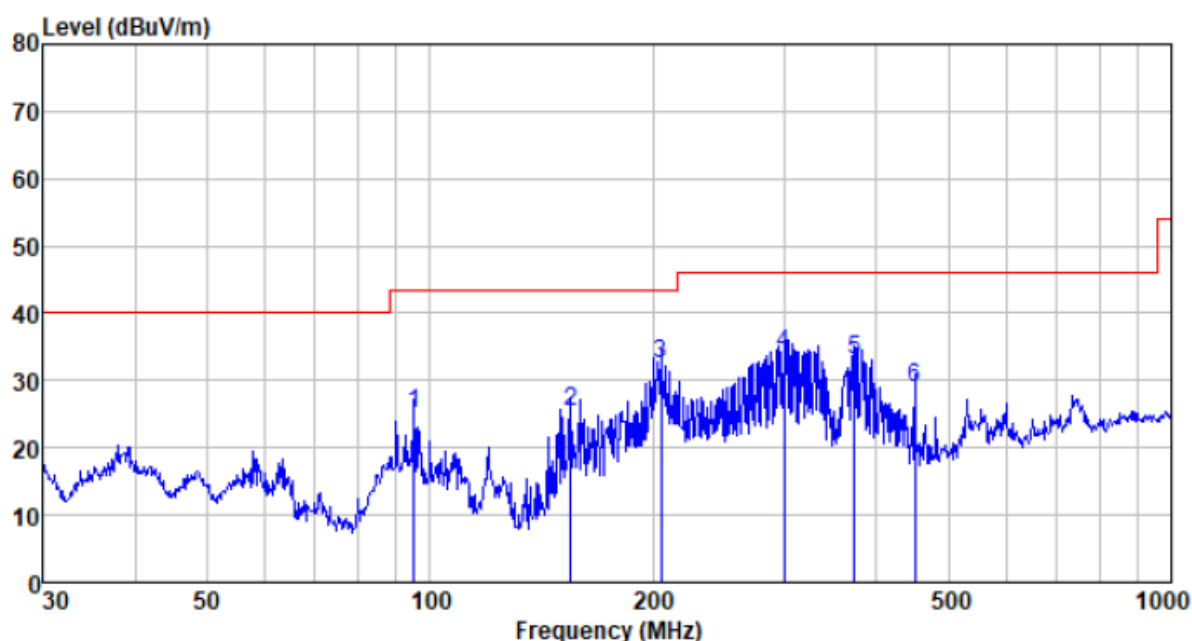
Test mode:	Signal generator	Antenna Polarity:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
31.955	51.41	11.24	0.57	35.15	28.07	40.00	-11.93	QP
58.613	49.13	11.45	0.85	36.30	25.13	40.00	-14.87	QP
95.093	51.32	11.52	1.15	36.68	27.31	43.50	-16.19	QP
143.830	50.27	7.47	1.53	37.04	22.23	43.50	-21.27	QP
362.985	52.27	14.72	2.68	37.49	32.18	46.00	-13.82	QP
404.667	51.86	15.42	2.88	37.52	32.64	46.00	-13.36	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

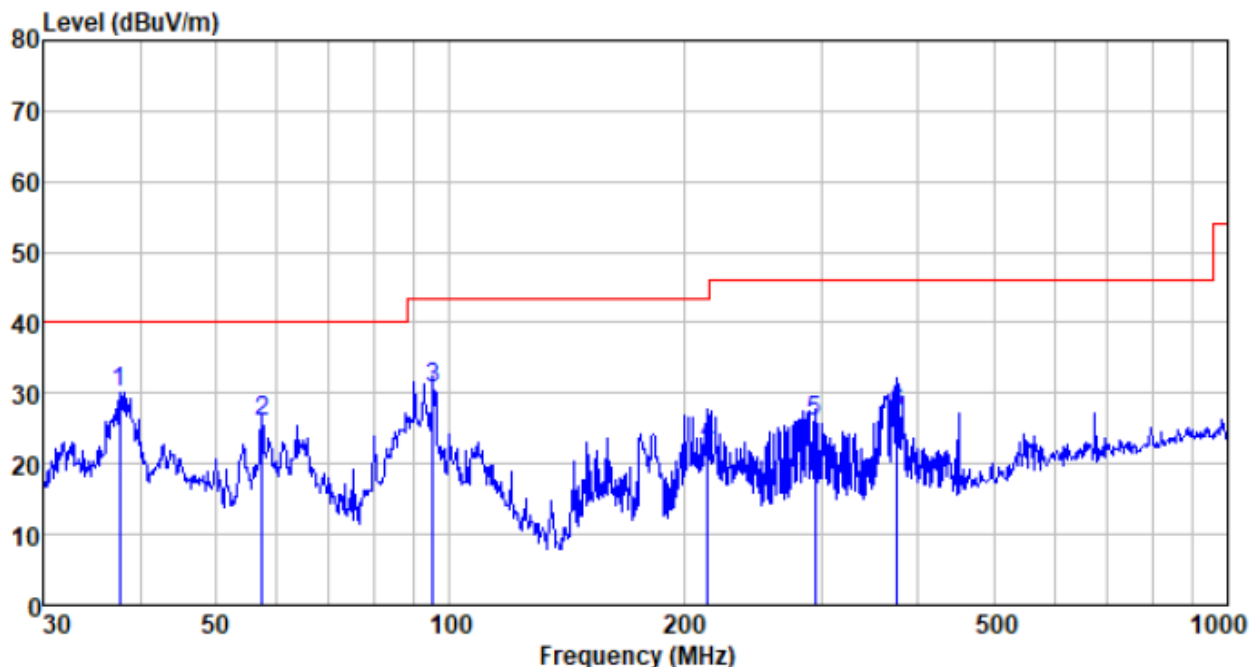
Test mode:	OBD	Antenna Polarity:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
95.093	49.21	11.52	1.15	36.68	25.20	43.50	-18.30	QP
154.821	52.94	7.95	1.60	37.10	25.39	43.50	-18.11	QP
204.955	57.32	10.58	1.87	37.34	32.43	43.50	-11.07	QP
300.367	55.54	13.60	2.36	37.42	34.08	46.00	-11.92	QP
373.311	52.99	14.89	2.73	37.50	33.11	46.00	-12.89	QP
451.135	47.10	16.40	3.09	37.51	29.08	46.00	-16.92	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

Test mode:	OBD	Antenna Polarity:	Vertical
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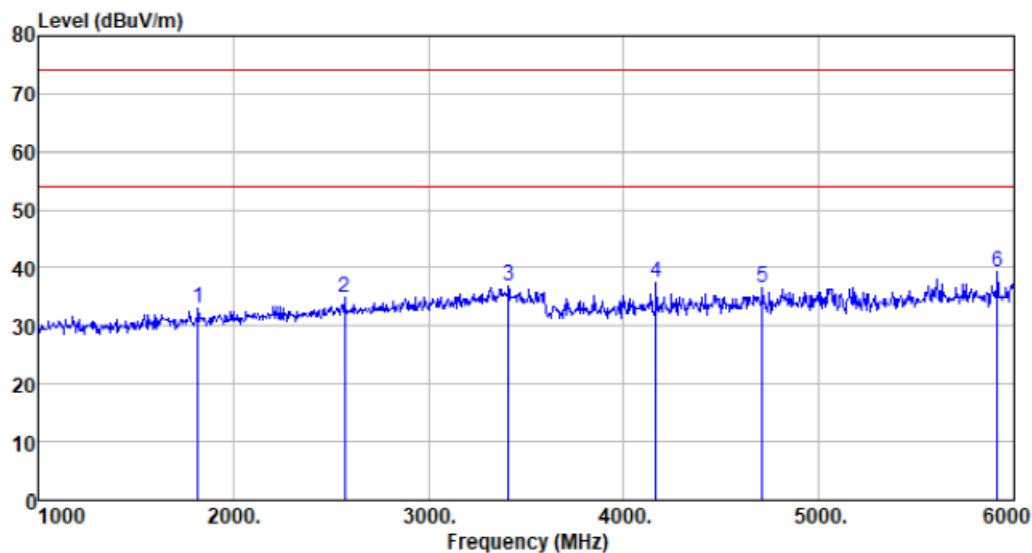


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
37.680	53.19	11.80	0.64	35.53	30.10	40.00	-9.90	QP
57.392	49.84	11.55	0.84	36.29	25.94	40.00	-14.06	QP
95.093	54.58	11.52	1.15	36.68	30.57	43.50	-12.93	QP
214.514	47.13	10.95	1.93	37.35	22.66	43.50	-20.84	QP
295.147	47.52	13.45	2.34	37.42	25.89	46.00	-20.11	QP
375.939	47.08	14.94	2.75	37.50	27.27	46.00	-18.73	QP

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

Above 1GHz

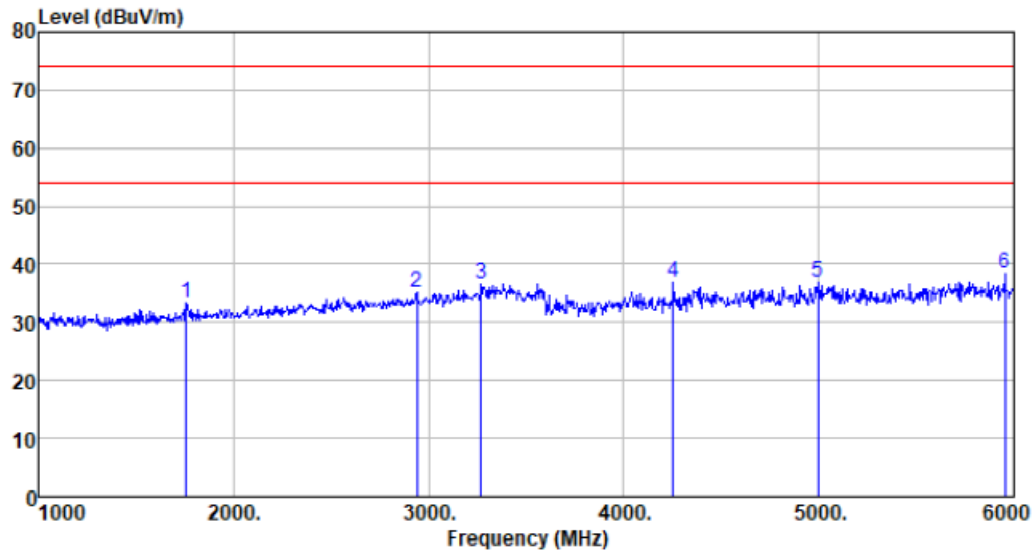
Test mode:	OBD	Antenna Polarity:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
1820.000	38.00	26.08	5.45	36.39	33.14	74.00	-40.86	Peak
2570.000	37.35	27.83	6.58	37.00	34.76	74.00	-39.24	Peak
3410.000	38.15	28.35	7.85	37.34	37.01	74.00	-36.99	Peak
4165.000	36.02	30.00	8.86	37.47	37.41	74.00	-36.59	Peak
4710.000	33.86	31.18	9.29	37.69	36.64	74.00	-37.36	Peak
5915.000	32.87	32.60	10.22	36.51	39.18	74.00	-34.82	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamplifier Factor

Test mode:	OBD	Antenna Polarity:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
1760.000	38.42	25.97	5.36	36.35	33.40	74.00	-40.60	Peak
2940.000	36.85	28.49	7.14	37.26	35.22	74.00	-38.78	Peak
3270.000	37.93	28.44	7.63	37.33	36.67	74.00	-37.33	Peak
4255.000	35.38	30.21	8.93	37.51	37.01	74.00	-36.99	Peak
4995.000	33.45	31.69	9.51	37.79	36.86	74.00	-37.14	Peak
5955.000	32.01	32.69	10.25	36.47	38.48	74.00	-35.52	Peak

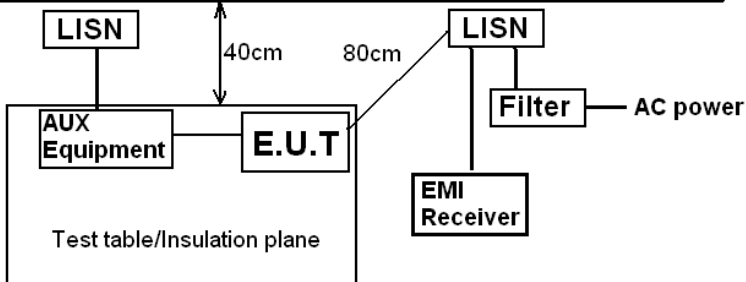
Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

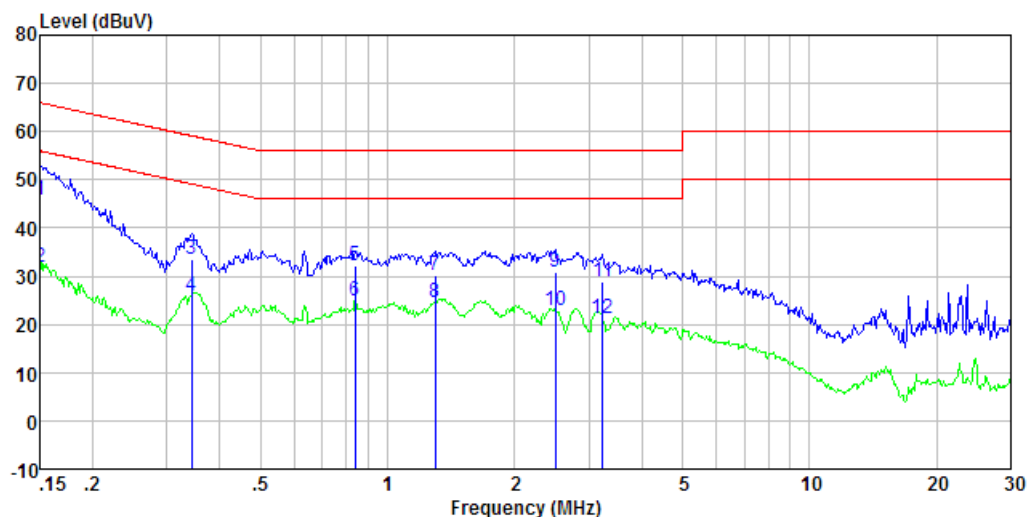
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

7.2 Conducted Emissions

Test Requirement:	FCC Part15 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:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>0.5-30</td><td>60</td><td>50</td></tr></table>					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
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																	
Test setup:	Reference Plane  Remark E.U.T: Equipment Under Test LISN: Line Impedance 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: 2009 on conducted measurement.																		
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.: 1 012mbar														
Test Instruments:	Refer to section 6 for details																		
Test mode:	Refer to section 5.2 for details,and only shows the worst mode																		
Test results:	Pass																		

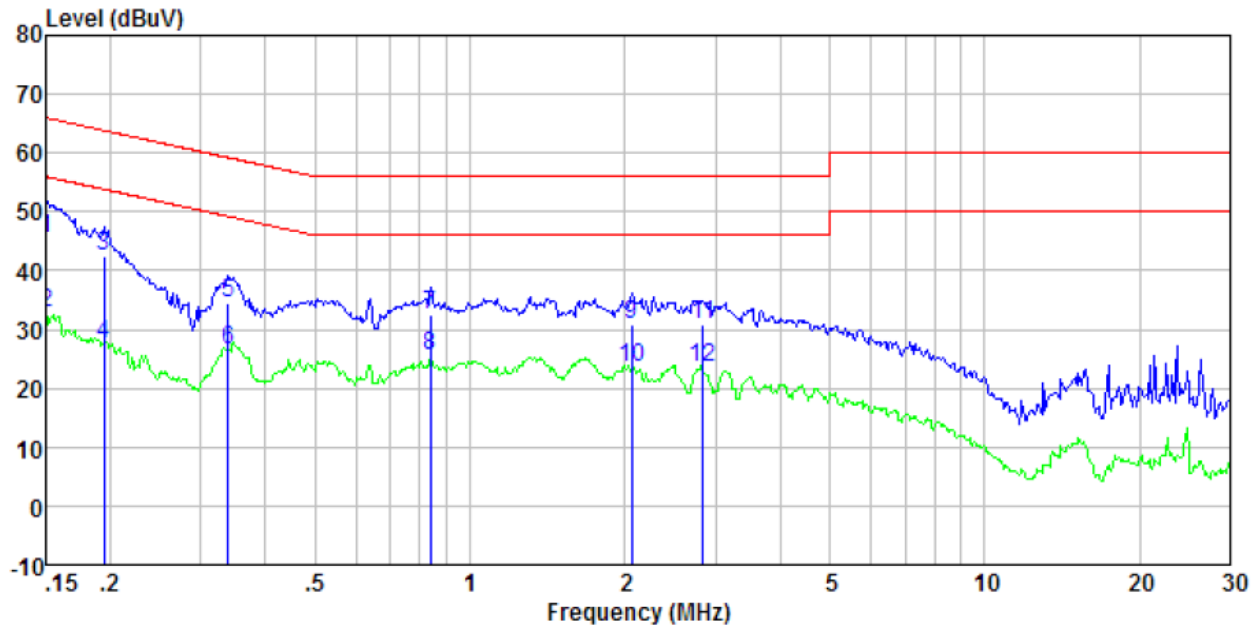
Measurement Data

Test mode:	Multimeter	Phase Polarity:	Line
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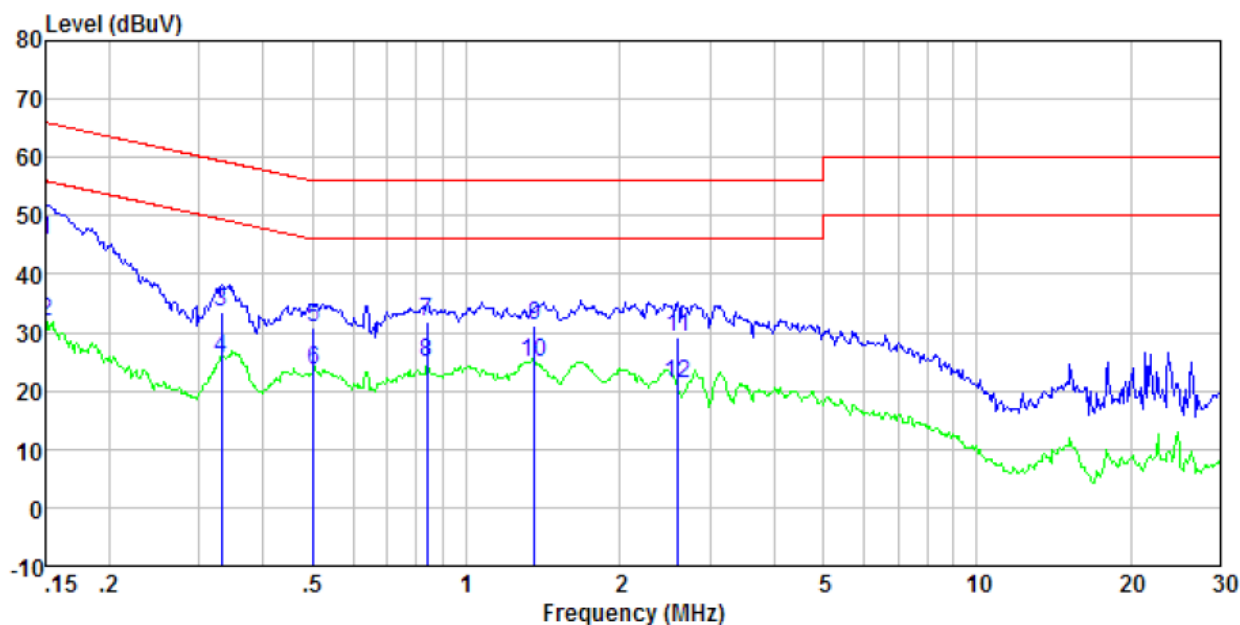
Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	45.41	0.40	0.07	45.88	66.00	-20.12	QP
0.15	31.28	0.40	0.07	31.75	56.00	-24.25	Average
0.34	33.15	0.38	0.10	33.63	59.13	-25.50	QP
0.34	25.23	0.38	0.10	25.71	49.13	-23.42	Average
0.84	31.65	0.23	0.14	32.02	56.00	-23.98	QP
0.84	24.57	0.23	0.14	24.94	46.00	-21.06	Average
1.30	29.84	0.20	0.16	30.20	56.00	-25.80	QP
1.30	24.14	0.20	0.16	24.50	46.00	-21.50	Average
2.50	30.48	0.20	0.18	30.86	56.00	-25.14	QP
2.50	22.41	0.20	0.18	22.79	46.00	-23.21	Average
3.24	28.55	0.20	0.19	28.94	56.00	-27.06	QP
3.24	20.83	0.20	0.19	21.22	46.00	-24.78	Average

Test mode:	Multimeter	Phase Polarity:	Neutral
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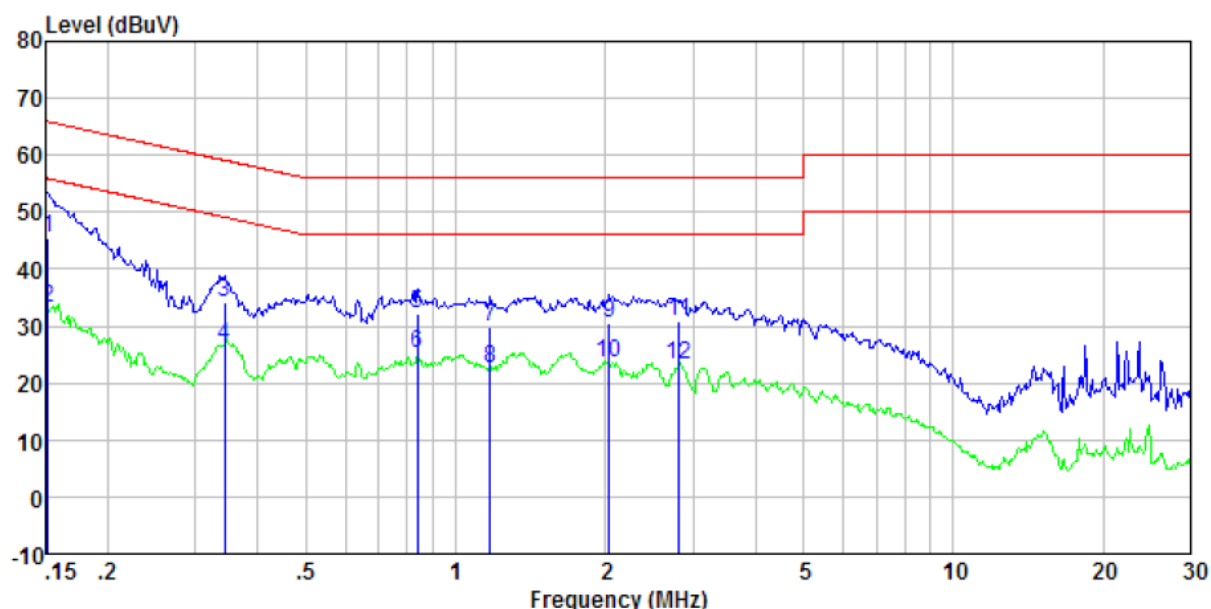
Freq MHz	Reading level dBuV	LISM/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	45.12	0.40	0.07	45.59	66.00	-20.41	QP
0.15	32.51	0.40	0.07	32.98	56.00	-23.02	Average
0.19	41.87	0.40	0.11	42.38	63.84	-21.46	QP
0.19	27.09	0.40	0.11	27.60	53.84	-26.24	Average
0.34	34.15	0.38	0.10	34.63	59.22	-24.59	QP
0.34	25.99	0.38	0.10	26.47	49.22	-22.75	Average
0.84	32.26	0.23	0.14	32.63	56.00	-23.37	QP
0.84	25.26	0.23	0.14	25.63	46.00	-20.37	Average
2.07	30.56	0.20	0.18	30.94	56.00	-25.06	QP
2.07	23.17	0.20	0.18	23.55	46.00	-22.45	Average
2.84	30.60	0.20	0.19	30.99	56.00	-25.01	QP
2.84	23.14	0.20	0.19	23.53	46.00	-22.47	Average

Test mode:	Oscilloscope	Phase Polarity:	Line
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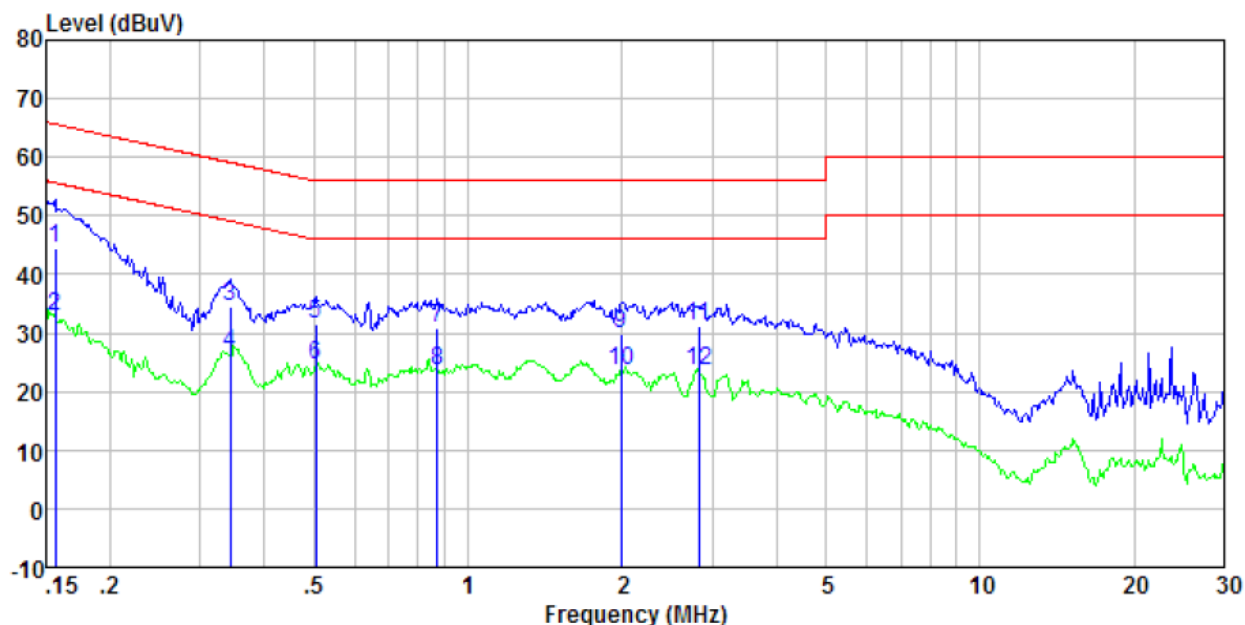
Freq MHz	Reading level dBuV	LISM/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	45.34	0.40	0.07	45.81	66.00	-20.19	QP
0.15	31.26	0.40	0.07	31.73	56.00	-24.27	Average
0.33	33.11	0.38	0.10	33.59	59.40	-25.81	QP
0.33	25.21	0.38	0.10	25.69	49.40	-23.71	Average
0.50	30.43	0.31	0.11	30.85	56.00	-25.15	QP
0.50	23.23	0.31	0.11	23.65	46.00	-22.35	Average
0.84	31.57	0.23	0.14	31.94	56.00	-24.06	QP
0.84	24.47	0.23	0.14	24.84	46.00	-21.16	Average
1.36	30.88	0.20	0.16	31.24	56.00	-24.76	QP
1.36	24.66	0.20	0.16	25.02	46.00	-20.98	Average
2.59	28.69	0.20	0.18	29.07	56.00	-26.93	QP
2.59	20.68	0.20	0.18	21.06	46.00	-24.94	Average

Test mode:	Oscilloscope	Phase Polarity:	Neutral
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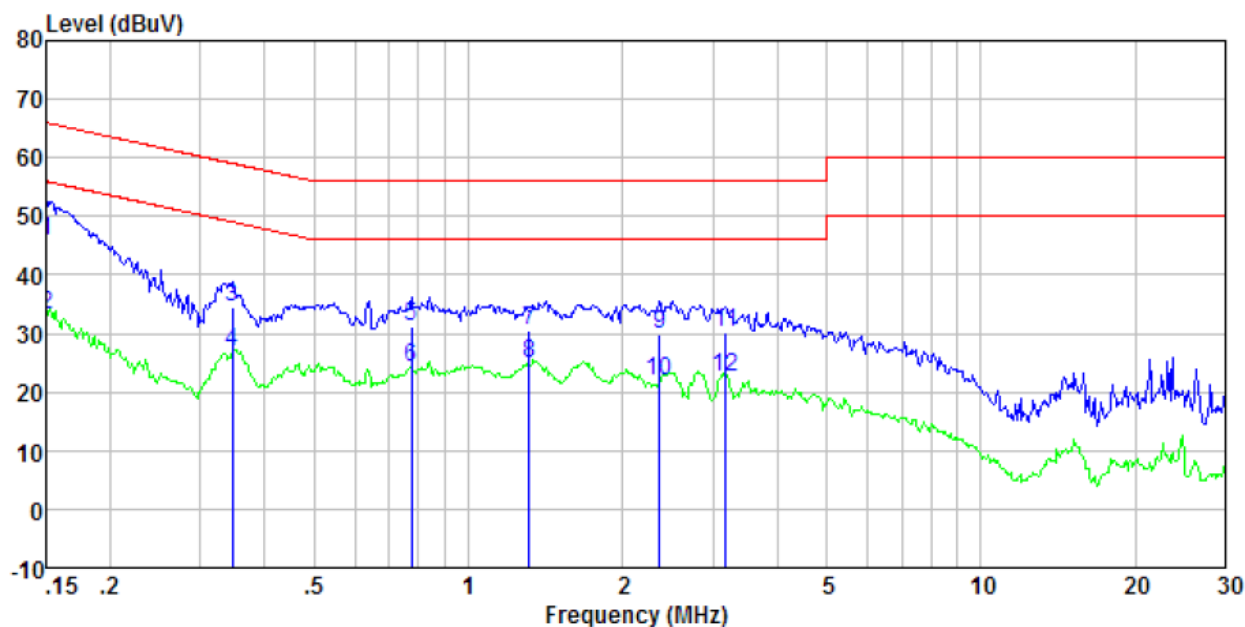
Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	45.08	0.40	0.07	45.55	65.91	-20.36	QP
0.15	32.68	0.40	0.07	33.15	55.91	-22.76	Average
0.34	33.72	0.38	0.10	34.20	59.13	-24.93	QP
0.34	25.93	0.38	0.10	26.41	49.13	-22.72	Average
0.84	31.72	0.23	0.14	32.09	56.00	-23.91	QP
0.84	24.92	0.23	0.14	25.29	46.00	-20.71	Average
1.17	29.40	0.20	0.16	29.76	56.00	-26.24	QP
1.17	22.19	0.20	0.16	22.55	46.00	-23.45	Average
2.03	30.19	0.20	0.18	30.57	56.00	-25.43	QP
2.03	23.21	0.20	0.18	23.59	46.00	-22.41	Average
2.81	30.36	0.20	0.19	30.75	56.00	-25.25	QP
2.81	22.87	0.20	0.19	23.26	46.00	-22.74	Average

Test mode:	Signal generator	Phase Polarity:	Line
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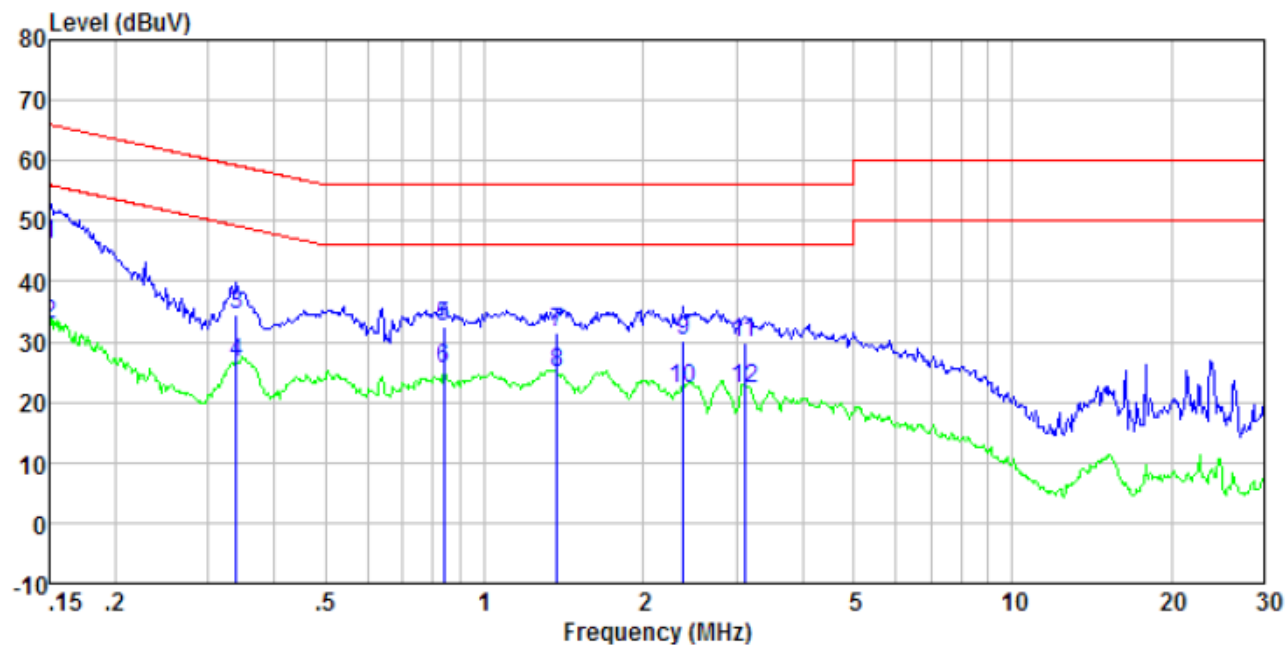
Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.16	44.05	0.40	0.08	44.53	65.65	-21.12	QP
0.16	32.52	0.40	0.08	33.00	55.65	-22.65	Average
0.34	33.88	0.38	0.10	34.36	59.13	-24.77	QP
0.34	26.02	0.38	0.10	26.50	49.13	-22.63	Average
0.50	31.15	0.31	0.11	31.57	56.00	-24.43	QP
0.50	24.17	0.31	0.11	24.59	46.00	-21.41	Average
0.87	30.36	0.22	0.14	30.72	56.00	-25.28	QP
0.87	23.13	0.22	0.14	23.49	46.00	-22.51	Average
1.99	29.43	0.20	0.18	29.81	56.00	-26.19	QP
1.99	23.01	0.20	0.18	23.39	46.00	-22.61	Average
2.82	30.69	0.20	0.19	31.08	56.00	-24.92	QP
2.82	23.15	0.20	0.19	23.54	46.00	-22.46	Average

Test mode:	Signal generator	Phase Polarity:	Neutral
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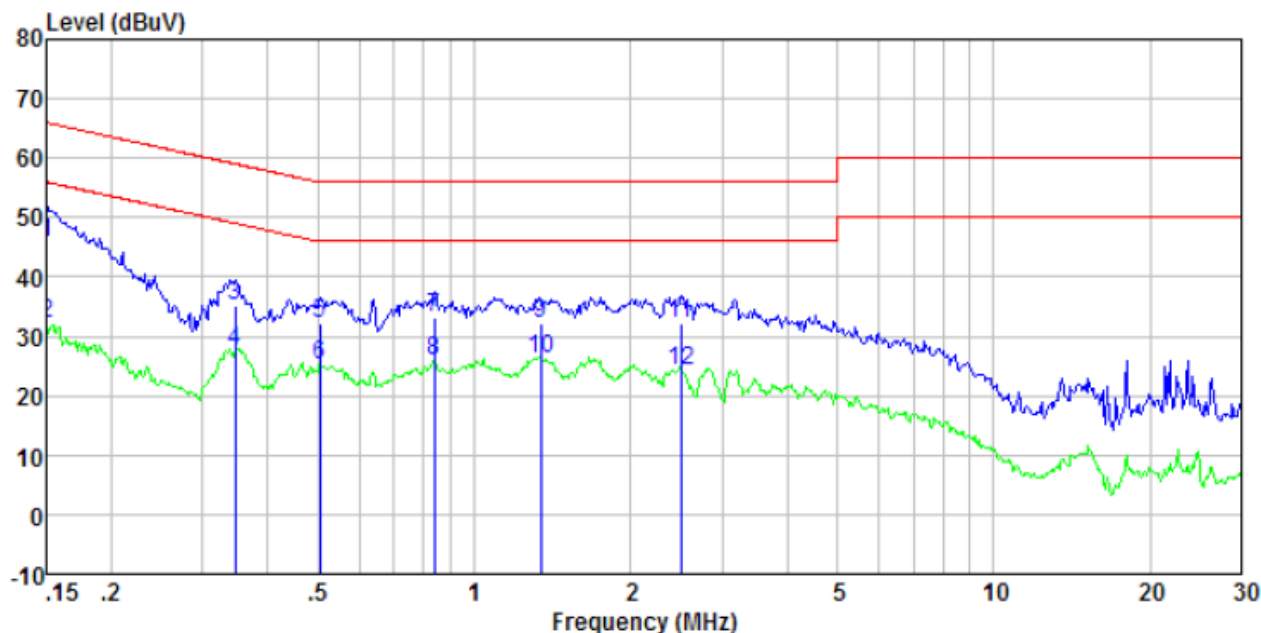
Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	45.48	0.40	0.07	45.95	66.00	-20.05	QP
0.15	32.57	0.40	0.07	33.04	56.00	-22.96	Average
0.35	33.93	0.38	0.10	34.41	59.05	-24.64	QP
0.35	26.52	0.38	0.10	27.00	49.05	-22.05	Average
0.78	30.88	0.24	0.14	31.26	56.00	-24.74	QP
0.78	23.70	0.24	0.14	24.08	46.00	-21.92	Average
1.32	30.31	0.20	0.16	30.67	56.00	-25.33	QP
1.32	24.67	0.20	0.16	25.03	46.00	-20.97	Average
2.36	29.55	0.20	0.18	29.93	56.00	-26.07	QP
2.36	21.49	0.20	0.18	21.87	46.00	-24.13	Average
3.17	29.91	0.20	0.19	30.30	56.00	-25.70	QP
3.17	22.32	0.20	0.19	22.71	46.00	-23.29	Average

Test mode:	OBD	Phase Polarity:	Line
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Freq MHz	Reading level dBUV	LISN/ISN factor dB/m	Cable loss dB	Level dBUV	Limit level dBUV	Over limit dB	Remark
0.15	45.70	0.40	0.07	46.17	66.00	-19.83	QP
0.15	32.50	0.40	0.07	32.97	56.00	-23.03	Average
0.34	34.07	0.38	0.10	34.55	59.22	-24.67	QP
0.34	25.96	0.38	0.10	26.44	49.22	-22.78	Average
0.84	32.08	0.23	0.14	32.45	56.00	-23.55	QP
0.84	25.05	0.23	0.14	25.42	46.00	-20.58	Average
1.37	31.24	0.20	0.16	31.60	56.00	-24.40	QP
1.37	24.61	0.20	0.16	24.97	46.00	-21.03	Average
2.38	29.78	0.20	0.18	30.16	56.00	-25.84	QP
2.38	21.89	0.20	0.18	22.27	46.00	-23.73	Average
3.11	29.54	0.20	0.19	29.93	56.00	-26.07	QP
3.11	21.77	0.20	0.19	22.16	46.00	-23.84	Average

Test mode:	OBD	Phase Polarity:	Neutral
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Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	45.19	0.40	0.07	45.66	66.00	-20.34	QP
0.15	31.75	0.40	0.07	32.22	56.00	-23.78	Average
0.35	34.55	0.38	0.10	35.03	59.05	-24.02	QP
0.35	26.97	0.38	0.10	27.45	49.05	-21.60	Average
0.50	31.75	0.31	0.11	32.17	56.00	-23.83	QP
0.50	24.64	0.31	0.11	25.06	46.00	-20.94	Average
0.84	32.73	0.23	0.14	33.10	56.00	-22.90	QP
0.84	25.66	0.23	0.14	26.03	46.00	-19.97	Average
1.34	31.77	0.20	0.16	32.13	56.00	-23.87	QP
1.34	25.87	0.20	0.16	26.23	46.00	-19.77	Average
2.50	31.74	0.20	0.18	32.12	56.00	-23.88	QP
2.50	23.73	0.20	0.18	24.11	46.00	-21.89	Average

Notes:

1. An initial pre-scan was performed on the live 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

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----