



TEST REPORT FROM RFI GLOBAL SERVICES LTD

Test of: Fulgor srl, 812T40NP and 812T40IP

**To: 47CFR18.305, 47CFR18.307, FCC/OST MP-5 (1986) and ICES-001 Issue 4
June 2006**

Test Report Serial No: RFI-EMC-RP80680JD04A V4.0

Version 4.0 supersedes all previous versions

This test report is issued under the
authority of Chris Guy, Head of Global
Approvals:

A handwritten signature in black ink, appearing to read 'C. Guy'.

Checked By:	Gareth Bragg
Signature:	A handwritten signature in black ink, appearing to read 'G. Bragg'.
Date of Issue:	28 September 2011

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1. CUSTOMER DETAILS

Company Name:	Fulgor srl
Address:	Via E. Checchi 98 Gallarate 21013 VA Italy

2. SUMMARY OF TESTING

2.1. Test Specification

Reference:	ICES-001 Issue 4 June 2006			
Title:	Industrial, Scientific and Medical (ISM) Radio Frequency Generators			
Reference:	47CFR18.305 and 47CFR18.307			
Title:	Code of Federal Regulations Title 47 (Telecommunications) 2010: Part 18 (Industrial, Scientific and Medical Equipment) – Sections 18.305 and 18.307.			
Reference:	FCC/OST MP-5 (1986)			
Title:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment			
Site Registration:	Industry Canada: 3245B-2 FCC: 209735			
FCC Reference	IC Reference	Measurement Type	Applicability	Result
18.305	4.1	Mains terminal disturbance (AC Mains Input / Output Ports)	Y	✓
18.307	4.1	Electromagnetic radiation disturbance	Y	✓

Notes

1. Not applicable. The EUT is AC powered only.

KEY:  = Complied  = Did not comply

2.2. Location of Testing

All the measurements described in this report were performed at the premises of RFI Global Services Ltd, Unit 3 Horizon, Wade Road, Kingsland Business Park, Basingstoke, Hampshire RG24 8AH.

2.3. Deviations from Test Specification

For the measurements contained within this test report, there were no deviations from, additions to, or exclusions from the test specification identified above, nor from the requirements defined in the basic standards called up within it.

3. EQUIPMENT UNDER TEST (EUT)

3.1. Description of EUT

The EUT was an electric counter-mounted induction cooktop

3.2. Identification of Equipment under Test (EUT)

ID#	Description	Model No	Serial No
1	Induction Cooktop	812T40NP and 812T40IP	None stated

3.3. Port Identification

Port	Description	Type
1	Enclosure	-

3.4. Operating Modes

Mode Reference	Definition
Normal Operation	The left rear plate of the EUT was set to maximum power and fast boil

3.5. Modifications

NOTE: No modifications were made to the EUT during the course of testing

3.6. Additional Information Related to Testing

Equipment Category:	Induction Cooktop
Intended Operating Environment:	Residential
Cycle Time:	< 1 s
Power Supply Requirement(s):	208 VAC and 240 VAC, 60 Hz
Weight:	15 kg
Dimensions:	764 x 536.4 x 81.2 mm
Hardware Version Number:	IND5NAR - Model A410
Software Version Number:	(control board) IND5G_02_F01_S02 (touch board) PEACOCK_01_F03_S03

4. SUPPORT EQUIPMENT

4.1. Identification of Support Equipment

Description	Manufacturer	Model No	Serial No
208/240 VAC 60 Hz Power Supply	Hewlett Packard	6843A	3531A-00149

4.2. Interconnecting Cables

NOTE: No interconnecting cables were used during the course of testing.

5. MONITORING PERFORMANCE

5.1. Overview

No immunity testing was performed; therefore performance criteria were not applicable.

5.2. Monitoring EUT Performance during Testing

For the purposes of testing, the term “<i>operate as intended</i>” was defined as:	The EUT continued to operate on maximum power and fast boil.
For the purposes of testing, an “<i>unintentional response</i>” was defined as:	Not Applicable
Method used to determine whether user control functions and stored data were lost after the EMC exposure:	Not Applicable
Method used to verify that a communications link was established and maintained (if appropriate):	Not Applicable
Method of assessment of level of performance or degradation of performance during and/or after EMC exposure:	The EUT was monitored to ensure that its heating function continued to operate on maximum power and fast boil.

6. MEASUREMENT UNCERTAINTY

6.1. Overview

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently, the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement regarding the uncertainty of approximation.

The measurement uncertainty may need to be taken into account when interpreting the test results included within this test report.

6.2. Method of calculation

The methods used to calculate the uncertainties included within this test report are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty, the published guidance of the United Kingdom Accreditation Service (UKAS) is followed.

7. MEASUREMENTS, EXAMINATIONS AND DERIVED RESULTS

7.1. General Comments

7.1.1. This section contains the test result sheets for the measurements listed in Section 2.2.
Summary of Test Results (above)

7.1.2. The measurement uncertainties stated in the test result sheets were calculated in accordance with documented best practice and represent a confidence level of 95%. Where only confidence level is given, it has been demonstrated that the relevant items of test equipment used meet the specified requirements in the standard with at least this level of confidence.

7.1.3. Please refer to Section 6. *Measurement Uncertainty* on page 10 for details of our treatment of measurement uncertainty.

RADIATED EMISSIONS - TEST RESULTS

This test is not covered by the scope of RFI's UKAS Accreditation under ISO/IEC 17025: 2005.

GENERAL INFORMATION

RFI JOB NUMBER:	80680JD04	TEST SITE ID:	Site 1
EUT:	Induction Cooktop	TEMPERATURE:	27 °C to 27 °C
TEST ENGINEER:	Matthew Owen	RELATIVE HUMIDITY:	32 % to 32 %
DATE OF TEST:	22 September 2011	ATMOSPHERIC PRESSURE:	1002mb to 1002 mb
FIELD TYPE:	Electric Field	MEASUREMENT DISTANCE:	3 Metres
UNCERTAINTY (±):	±3.99 dB	EQUIPMENT CLASS:	Induction Cooker
MEASUREMENT UNITS:	dB μ V/m	TEST ENVIRONMENT:	5 m SAC

TEST SPECIFICATION DETAILS

The EUT has been configured and tested in accordance with the methods and procedures detailed within the following basic standard:

REFERENCE:	CAN/CSA-CE1/IEC CISPR 11-04
TITLE:	Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment - Electromagnetic Disturbance Characteristics - Limits and Methods of Measurement
REFERENCE:	ANSI C63.4:2009
TITLE:	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 40 GHz
REFERENCE:	FCC/OST MP-5 (1986)
TITLE:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment

COMMENTS

None

DEVIATIONS FROM TEST SPECIFICATION

There were no deviations from the test configuration and measurement arrangements defined in the test specification (identified above).

EUT RELATED

OPERATING MODE:	Normal Operation 240 VAC 60 Hz
FUNCTION(S) MONITORED:	Not Applicable

MEASUREMENT RESULTS

No.	Frequency (MHz)	Polarity	Detector	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Graph No.	Result
1	31.294	Vertical	Quasi-Peak	28.7	83.5	54.8	GPH\80680JD04\001	Complied
2	38.737	Vertical	Quasi-Peak	19.6	83.5	63.9	GPH\80680JD04\001	Complied
3	52.385	Vertical	Quasi-Peak	22.8	83.5	60.7	GPH\80680JD04\001	Complied
4	55.149	Vertical	Quasi-Peak	18.8	83.5	64.7	GPH\80680JD04\001	Complied
5	56.558	Vertical	Quasi-Peak	19.2	83.5	64.3	GPH\80680JD04\001	Complied
6	70.672	Vertical	Quasi-Peak	10.1	83.5	73.4	GPH\80680JD04\001	Complied
7	117.955	Horizontal	Quasi-Peak	22.2	83.5	61.3	GPH\80680JD04\001	Complied
8	131.635	Vertical	Quasi-Peak	8.3	83.5	75.2	GPH\80680JD04\001	Complied
9	176.948	Horizontal	Quasi-Peak	26.1	83.5	57.4	GPH\80680JD04\001	Complied
10	231.883	Horizontal	Quasi-Peak	17.4	83.5	66.1	GPH\80680JD04\001	Complied
11	294.999	Vertical	Quasi-Peak	28.2	83.5	55.3	GPH\80680JD04\001	Complied
12	589.880	Vertical	Quasi-Peak	27.8	83.5	55.7	GPH\80680JD04\001	Complied

NOTES

1 Measurements were performed in a semi-anechoic chamber at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.

TEST EQUIPMENT USED

RFI ID	INSTRUMENT DESCRIPTION	MODEL NUMBER	CALIBRATION DUE	INTERVAL
M1273	EMI Test Receiver	ESIB 26	04 Feb 2012	12
C1305	3 m Rosenberger Cable	FA210A1030005050	Calibration not required	
C1163	1 m N-Type Cable	FA210A1010007070	Calibrated before use	
A553	Bi-log Antenna	CBL6111A	26 Mar 2012	12
A1920	Camera System	Scout	Calibration not required	
C1306	15 m Rosenberger Cable	FA210A0015005050	17 Apr 2012	12
A1834	3 dB N-Type Attenuator	8491B	26 Jul 2012	12
K0001	5 m Semi-Anechoic Chamber	None Stated	29 May 2012	12

RADIATED EMISSIONS - TEST RESULTS

This test is not covered by the scope of RFI's UKAS Accreditation under ISO/IEC 17025: 2005.

GENERAL INFORMATION

RFI JOB NUMBER:	80680JD04	TEST SITE ID:	Site 1
EUT:	Induction Cooktop	TEMPERATURE:	27 °C to 27 °C
TEST ENGINEER:	Matthew Owen	RELATIVE HUMIDITY:	32 % to 32 %
DATE OF TEST:	22 September 2011	ATMOSPHERIC PRESSURE:	1002mb to 1002 mb
FIELD TYPE:	Electric Field	MEASUREMENT DISTANCE:	3 Metres
UNCERTAINTY (±):	±3.99 dB	EQUIPMENT CLASS:	Induction Cooker
MEASUREMENT UNITS:	dB μ V/m	TEST ENVIRONMENT:	5 m SAC

TEST SPECIFICATION DETAILS

The EUT has been configured and tested in accordance with the methods and procedures detailed within the following basic standard:

REFERENCE:	CAN/CSA-CE1/IEC CISPR 11-04
TITLE:	Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment - Electromagnetic Disturbance Characteristics - Limits and Methods of Measurement
REFERENCE:	ANSI C63.4:2009
TITLE:	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 40 GHz
REFERENCE:	FCC/OST MP-5 (1986)
TITLE:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment

COMMENTS

None

DEVIATIONS FROM TEST SPECIFICATION

There were no deviations from the test configuration and measurement arrangements defined in the test specification (identified above).

EUT RELATED

OPERATING MODE:	Normal Operation 208 VAC 60 Hz
FUNCTION(S) MONITORED:	Not Applicable

MEASUREMENT RESULTS

No.	Frequency (MHz)	Polarity	Detector	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Graph No.	Result
1	39.851903	Vertical	Quasi-Peak	32.4	83.5	51.10	GPH\80680JD04\002	Complied
2	53.033467	Vertical	Quasi-Peak	34.4	83.5	49.10	GPH\80680JD04\002	Complied
3	58.982164	Vertical	Quasi-Peak	39.2	83.5	44.30	GPH\80680JD04\002	Complied
4	69.370942	Vertical	Quasi-Peak	28.4	83.5	55.10	GPH\80680JD04\002	Complied
5	294.966533	Vertical	Quasi-Peak	37.8	83.5	45.70	GPH\80680JD04\002	Complied
6	589.901603	Vertical	Quasi-Peak	30.5	83.5	53.00	GPH\80680JD04\002	Complied

NOTES

1 Measurements were performed in a semi-anechoic chamber at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.

TEST EQUIPMENT USED

RFI ID	INSTRUMENT DESCRIPTION	MODEL NUMBER	CALIBRATION DUE	INTERVAL
M1273	EMI Test Receiver	ESIB 26	04 Feb 2012	12
C1305	3 m Rosenberger Cable	FA210A1030005050	Calibration not required	
C1163	1 m N-Type Cable	FA210A1010007070	Calibrated before use	
A553	Bi-log Antenna	CBL6111A	26 Mar 2012	12
A1920	Camera System	Scout	Calibration not required	
C1306	15 m Rosenberger Cable	FA210A0015005050	17 Apr 2012	12
A1834	3 dB N-Type Attenuator	8491B	26 Jul 2012	12
K0001	5 m Semi-Anechoic Chamber	None Stated	29 May 2012	12

RADIATED EMISSIONS - TEST RESULTS

This test is not covered by the scope of RFI's UKAS Accreditation under ISO/IEC 17025: 2005.

GENERAL INFORMATION

RFI JOB NUMBER:	80680JD04	TEST SITE ID:	Site 1
EUT:	Induction Cooktop	TEMPERATURE:	27 °C to 27 °C
TEST ENGINEER:	Matthew Owen	RELATIVE HUMIDITY:	32 % to 32 %
DATE OF TEST:	22 September 2011	ATMOSPHERIC PRESSURE:	1002mb to 1002 mb
FIELD TYPE:	Magnetic Field	MEASUREMENT DISTANCE:	3 Metres
UNCERTAINTY (±):	±3.99 dB	EQUIPMENT CLASS:	Induction Cooker
MEASUREMENT UNITS:	dB μ V/m	TEST ENVIRONMENT:	5 m SAC

TEST SPECIFICATION DETAILS

The EUT has been configured and tested in accordance with the methods and procedures detailed within the following basic standard:

REFERENCE:	CAN/CSA-CE1/IEC CISPR 11-04
TITLE:	Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment - Electromagnetic Disturbance Characteristics - Limits and Methods of Measurement
REFERENCE:	ANSI C63.4:2009
TITLE:	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 40 GHz
REFERENCE:	FCC/OST MP-5 (1986)
TITLE:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment

COMMENTS

None

DEVIATIONS FROM TEST SPECIFICATION

There were no deviations from the test configuration and measurement arrangements defined in the test specification (identified above).

EUT RELATED

OPERATING MODE:	Normal Operation 240 VAC 60 Hz
FUNCTION(S) MONITORED:	Not Applicable

MEASUREMENT RESULTS

No.	Frequency (MHz)	Polarity	Detector	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Graph No.	Result
1	0.020585	0 degrees	Quasi-Peak	103.52	103.52	0.0	GPH\80680JD04\003	Complied
2	0.150 to 30.0		Refer to Note 1				GPH\80680JD04\004	Complied

NOTES

1 All emissions were at least 20 dB below the specification limit; therefore no further measurements were made.

TEST EQUIPMENT USED

RFI ID	INSTRUMENT DESCRIPTION	MODEL NUMBER	CALIBRATION DUE	INTERVAL
A1920	Camera System	Scout	Calibration not required	
K0001	5 m Semi-Anechoic Chamber	None Stated	29 May 2012	12
M1273	EMI Test Receiver	ESIB 26	04 Feb 2012	12
A007	10 kHz to 30 MHz H-Field Antenna	HFH2-Z2	02 Apr 2012	12
A1978	Paxton RFID Reference sample (13.56 MHz)	13.56 MHz	Calibration not required	

RADIATED EMISSIONS - TEST RESULTS

This test is not covered by the scope of RFI's UKAS Accreditation under ISO/IEC 17025: 2005.

GENERAL INFORMATION

RFI JOB NUMBER:	80680JD04	TEST SITE ID:	Site 1
EUT:	Induction Cooktop	TEMPERATURE:	27 °C to 27 °C
TEST ENGINEER:	Matthew Owen	RELATIVE HUMIDITY:	32 % to 32 %
DATE OF TEST:	22 September 2011	ATMOSPHERIC PRESSURE:	1002mb to 1002 mb
FIELD TYPE:	Magnetic Field	MEASUREMENT DISTANCE:	3 Metres
UNCERTAINTY (±):	±3.99 dB	EQUIPMENT CLASS:	Induction Cooker
MEASUREMENT UNITS:	dB μ V/m	TEST ENVIRONMENT:	5 m SAC

TEST SPECIFICATION DETAILS

The EUT has been configured and tested in accordance with the methods and procedures detailed within the following basic standard:

REFERENCE:	CAN/CSA-CE1/IEC CISPR 11-04
TITLE:	Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment - Electromagnetic Disturbance Characteristics - Limits and Methods of Measurement
REFERENCE:	ANSI C63.4:2009
TITLE:	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 40 GHz
REFERENCE:	FCC/OST MP-5 (1986)
TITLE:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment

COMMENTS

None

DEVIATIONS FROM TEST SPECIFICATION

There were no deviations from the test configuration and measurement arrangements defined in the test specification (identified above).

EUT RELATED

OPERATING MODE:	Normal Operation 208 VAC 60 Hz
FUNCTION(S) MONITORED:	Not Applicable

MEASUREMENT RESULTS

No.	Frequency (MHz)	Polarity	Detector	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Graph No.	Result
1	0.018607	0 degrees	Quasi-Peak	102.54	103.52	0.98	GPH\80680JD04\005	Complied
2	0.150 to 30.0		Refer to Note 1				GPH\80680JD04\006	Complied

NOTES

1 All emissions were at least 20 dB below the specification limit; therefore no further measurements were made.

TEST EQUIPMENT USED

RFI ID	INSTRUMENT DESCRIPTION	MODEL NUMBER	CALIBRATION DUE	INTERVAL
A1920	Camera System	Scout	Calibration not required	
K0001	5 m Semi-Anechoic Chamber	None Stated	29 May 2012	12
M1273	EMI Test Receiver	ESIB 26	04 Feb 2012	12
A007	10 kHz to 30 MHz H-Field Antenna	HFH2-Z2	02 Apr 2012	12
A1978	Paxton RFID Reference sample (13.56 MHz)	13.56 MHz	Calibration not required	

CONDUCTED EMISSIONS - TEST RESULTS

This test is not covered by the scope of RFI's UKAS Accreditation under ISO/IEC 17025: 2005.

GENERAL INFORMATION

RFI JOB NUMBER:	80680JD04	TEST SITE ID:	Site 1
EUT:	Induction Cooktop	TEMPERATURE:	27 °C to 27 °C
TEST ENGINEER:	Matthew Owen	RELATIVE HUMIDITY:	32 % to 32 %
DATE OF TEST:	22 September 2011	ATMOSPHERIC PRESSURE:	1002 mb to 1002 mb
UNCERTAINTY (±):	±3.99 dB	EQUIPMENT CLASS:	Induction Cooker
CATEGORY:	Not applicable	MEASUREMENT METHOD:	LISN (AC)

TEST SPECIFICATION DETAILS

The EUT has been configured and tested in accordance with the methods and procedures detailed within the following basic standard:

REFERENCE:	CAN/CSA-CE1/IEC CISPR 11-04
TITLE:	Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment - Electromagnetic Disturbance Characteristics - Limits and Methods of Measurement
REFERENCE:	ANSI C63.4:2009
TITLE:	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 40 GHz
REFERENCE:	FCC/OST MP-5 (1986)
TITLE:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment

COMMENTS

None

DEVIATIONS FROM TEST SPECIFICATION

There were no deviations from the test configuration and measurement arrangements defined in the test specification (identified above).

EUT RELATED

OPERATING MODE:	Normal Operation 240 VAC 60 Hz
FUNCTION(S) MONITORED:	Not Applicable

MEASUREMENT RESULTS

No.	Frequency (MHz)	Line	Detector	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Graph No.	Result
1	0.012360	Live 1	Quasi-Peak	65.0	110.0	45.0	GPH\80680JD04\007	Complied
2	0.019880	Live 1	Quasi-Peak	83.2	110.0	26.8	GPH\80680JD04\007	Complied
3	0.039800	Live 1	Quasi-Peak	108.7	110.0	1.3	GPH\80680JD04\007	Complied
4	0.059720	Live 1	Quasi-Peak	50.3	88.4	38.1	GPH\80680JD04\007	Complied
5	0.079560	Live 1	Quasi-Peak	67.6	85.8	18.2	GPH\80680JD04\007	Complied

MEASUREMENT RESULTS

No.	Frequency (MHz)	Line	Detector	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Graph No.	Result
6	0.119400	Live 1	Quasi-Peak	56.8	82.1	25.3	GPH\80680JD04\007	Complied
7	0.011880	Neutral	Quasi-Peak	64.8	110.0	45.2	GPH\80680JD04\008	Complied
8	0.019960	Neutral	Quasi-Peak	83.0	110.0	27.0	GPH\80680JD04\008	Complied
9	0.039960	Neutral	Quasi-Peak	107.6	110.0	2.4	GPH\80680JD04\008	Complied
10	0.060040	Neutral	Quasi-Peak	52.0	88.3	36.3	GPH\80680JD04\008	Complied
11	0.079960	Neutral	Quasi-Peak	70.3	85.7	15.4	GPH\80680JD04\008	Complied
12	0.120040	Neutral	Quasi-Peak	63.8	82.0	18.2	GPH\80680JD04\008	Complied
13	0.199500	Live 1	Quasi-Peak	58.5	63.6	5.1	GPH\80680JD04\009	Complied
14	0.537000	Live 1	Quasi-Peak	43.2	56.0	12.8	GPH\80680JD04\009	Complied
15	4.470000	Live 1	Quasi-Peak	45.0	56.0	11.0	GPH\80680JD04\009	Complied
16	7.903500	Live 1	Quasi-Peak	46.7	60.0	13.3	GPH\80680JD04\009	Complied
17	20.575500	Live 1	Quasi-Peak	46.4	60.0	13.6	GPH\80680JD04\009	Complied
18	0.199500	Live 1	Average	47.5	53.6	6.1	GPH\80680JD04\009	Complied
19	0.460500	Live 1	Average	42.1	46.7	4.6	GPH\80680JD04\009	Complied
20	4.474500	Live 1	Average	39.0	46.0	7.0	GPH\80680JD04\009	Complied
21	7.903500	Live 1	Average	33.8	50.0	16.2	GPH\80680JD04\009	Complied
22	20.580000	Live 1	Average	42.3	50.0	7.7	GPH\80680JD04\009	Complied
23	0.159000	Neutral	Quasi-Peak	58.6	65.5	6.9	GPH\80680JD04\010	Complied
24	0.496500	Neutral	Quasi-Peak	44.7	56.1	11.4	GPH\80680JD04\010	Complied
25	0.933000	Neutral	Quasi-Peak	37.7	56.0	18.3	GPH\80680JD04\010	Complied
26	4.452000	Neutral	Quasi-Peak	45.3	56.0	10.7	GPH\80680JD04\010	Complied
27	7.881000	Neutral	Quasi-Peak	45.4	60.0	14.6	GPH\80680JD04\010	Complied
28	20.157000	Neutral	Quasi-Peak	45.5	60.0	14.5	GPH\80680JD04\010	Complied
29	0.159000	Neutral	Average	47.6	55.5	7.9	GPH\80680JD04\010	Complied
30	0.496500	Neutral	Average	40.9	46.1	5.2	GPH\80680JD04\010	Complied
31	0.856500	Neutral	Average	39.8	46.0	6.2	GPH\80680JD04\010	Complied
32	4.420500	Neutral	Average	31.2	46.0	14.8	GPH\80680JD04\010	Complied
33	7.885500	Neutral	Average	33.6	50.0	16.4	GPH\80680JD04\010	Complied
34	20.157000	Neutral	Average	38.0	50.0	12.0	GPH\80680JD04\010	Complied

NOTES

N/A During measurement the engineer did not record any specific notes relevant to report

TEST EQUIPMENT USED

RFI ID	INSTRUMENT DESCRIPTION	MODEL NUMBER	CALIBRATION DUE	INTERVAL
K0001	5 m Semi-Anechoic Chamber	None Stated	29 May 2012	12
A649	Single Phase LISN	ESH3-Z5	05 Apr 2012	12
M1273	EMI Test Receiver	ESIB 26	04 Feb 2012	12
A1920	Camera System	Scout	Calibration not required	
A1933	High-Pass Filter	AFH-03000	22 Dec 2011	12
C1305	Rosenberger Cable	FA210A1030005050	31 Mar 2012	12
C1302	Rosenberger Cable	FA210A1030005050	31 Mar 2012	12
A1306	50 Ω Load	370 BNM	Calibrated before use	

CONDUCTED EMISSIONS - TEST RESULTS

This test is not covered by the scope of RFI's UKAS Accreditation under ISO/IEC 17025: 2005.

GENERAL INFORMATION

RFI JOB NUMBER:	80680JD04	TEST SITE ID:	Site 1	
EUT:	Induction Cooktop	TEMPERATURE:	27 °C to 27 °C	
TEST ENGINEER:	Matthew Owen	RELATIVE HUMIDITY:	32 % to 32 %	
DATE OF TEST:	22 September 2011	ATMOSPHERIC PRESSURE:	1002 mb to 1002 mb	
UNCERTAINTY (±):	±3.99 dB	EQUIPMENT CLASS:	Induction Cooker	
CATEGORY:	Not applicable	MEASUREMENT METHOD:	LISN (AC)	

TEST SPECIFICATION DETAILS

The EUT has been configured and tested in accordance with the methods and procedures detailed within the following basic standard:

REFERENCE:	CAN/CSA-CE1/IEC CISPR 11-04
TITLE:	Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment – Electromagnetic Disturbance Characteristics - Limits and Methods of Measurement
REFERENCE:	ANSI C63.4:2009
TITLE:	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 40 GHz
REFERENCE:	FCC/OST MP-5 (1986)
TITLE:	FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment

COMMENTS

None

DEVIATIONS FROM TEST SPECIFICATION

There were no deviations from the test configuration and measurement arrangements defined in the test specification (identified above).

EUT RELATED

OPERATING MODE:	Normal Operation 208 VAC 60 Hz
FUNCTION(S) MONITORED:	Not Applicable

MEASUREMENT RESULTS

No.	Frequency (MHz)	Line	Detector	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Graph No.	Result
1	0.012120	Live 1	Quasi-Peak	66.1	110.0	43.9	GPH\80680JD04\011	Complied
2	0.018520	Live 1	Quasi-Peak	85.4	110.0	24.6	GPH\80680JD04\011	Complied
3	0.037000	Live 1	Quasi-Peak	109.4	110.0	0.6	GPH\80680JD04\011	Complied
4	0.055480	Live 1	Quasi-Peak	60.2	89.1	28.9	GPH\80680JD04\011	Complied
5	0.073960	Live 1	Quasi-Peak	75.0	86.4	11.4	GPH\80680JD04\011	Complied
6	0.110920	Live 1	Quasi-Peak	64.4	82.7	18.3	GPH\80680JD04\011	Complied
7	0.012040	Neutral	Average	66.0	110.0	44.0	GPH\80680JD04\012	Complied

MEASUREMENT RESULTS

No.	Frequency (MHz)	Line	Detector	Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Graph No.	Result
8	0.018520	Neutral	Average	85.2	110.0	24.8	GPH\80680JD04\012	Complied
9	0.037000	Neutral	Average	109.4	110.0	0.6	GPH\80680JD04\012	Complied
10	0.055480	Neutral	Average	60.3	89.1	28.8	GPH\80680JD04\012	Complied
11	0.073960	Neutral	Average	75.0	86.4	11.4	GPH\80680JD04\012	Complied
12	0.110920	Neutral	Average	64.4	82.7	18.3	GPH\80680JD04\012	Complied
13	0.186000	Live 1	Quasi-Peak	52.6	64.2	11.6	GPH\80680JD04\013	Complied
14	0.240000	Live 1	Quasi-Peak	42.9	62.1	19.2	GPH\80680JD04\013	Complied
15	0.537000	Live 1	Quasi-Peak	40.2	56.0	15.8	GPH\80680JD04\013	Complied
16	4.254000	Live 1	Quasi-Peak	41.2	56.0	14.8	GPH\80680JD04\013	Complied
17	7.804500	Live 1	Quasi-Peak	51.3	60.0	8.7	GPH\80680JD04\013	Complied
18	19.842000	Live 1	Quasi-Peak	45.7	60.0	14.3	GPH\80680JD04\013	Complied
19	0.186000	Live 1	Average	42.5	54.2	11.7	GPH\80680JD04\013	Complied
20	0.240000	Live 1	Average	39.4	52.1	12.7	GPH\80680JD04\013	Complied
21	0.537000	Live 1	Average	37.7	46.0	8.3	GPH\80680JD04\013	Complied
22	4.290000	Live 1	Average	34.4	46.0	11.6	GPH\80680JD04\013	Complied
23	7.804500	Live 1	Average	46.7	50.0	3.3	GPH\80680JD04\013	Complied
24	19.846500	Live 1	Average	40.6	50.0	9.4	GPH\80680JD04\013	Complied
25	0.186000	Neutral	Quasi-Peak	52.4	64.2	11.8	GPH\80680JD04\014	Complied
26	0.388500	Neutral	Quasi-Peak	42.6	58.1	15.5	GPH\80680JD04\014	Complied
27	0.721500	Neutral	Quasi-Peak	38.8	56.0	17.2	GPH\80680JD04\014	Complied
28	4.069500	Neutral	Quasi-Peak	39.9	56.0	16.1	GPH\80680JD04\014	Complied
29	7.804500	Neutral	Quasi-Peak	51.1	60.0	8.9	GPH\80680JD04\014	Complied
30	20.152500	Neutral	Quasi-Peak	46.6	60.0	13.4	GPH\80680JD04\014	Complied
31	0.186000	Neutral	Average	42.3	54.2	11.9	GPH\80680JD04\014	Complied
32	0.388500	Neutral	Average	39.6	48.1	8.5	GPH\80680JD04\014	Complied
33	0.721500	Neutral	Average	35.0	46.0	11.0	GPH\80680JD04\014	Complied
34	4.069500	Neutral	Average	32.4	46.0	13.6	GPH\80680JD04\014	Complied
35	7.804500	Neutral	Average	46.6	50.0	3.4	GPH\80680JD04\014	Complied
36	20.157000	Neutral	Average	41.5	50.0	8.5	GPH\80680JD04\014	Complied

NOTES

N/A During measurement the engineer did not record any specific notes relevant to report

TEST EQUIPMENT USED

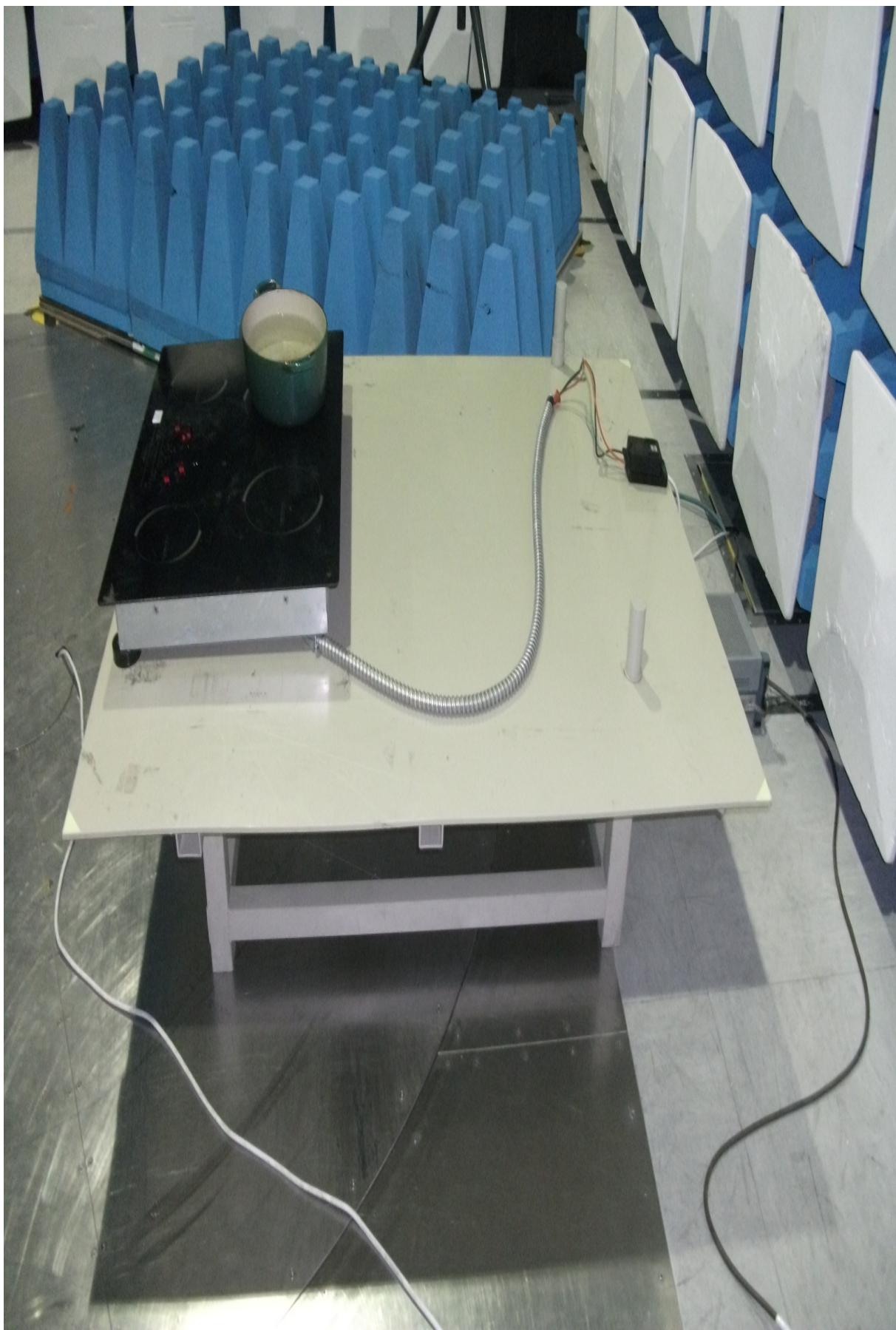
RFID ID	INSTRUMENT DESCRIPTION	MODEL NUMBER	CALIBRATION DUE	INTERVAL
K0001	5 m Semi-Anechoic Chamber	None Stated	29 May 2012	12
A649	Single Phase LISN	ESH3-Z5	05 Apr 2012	12
M1273	EMI Test Receiver	ESIB 26	04 Feb 2012	12
A1920	Camera System	Scout	Calibration not required	
A1933	High-Pass Filter	AFH-03000	22 Dec 2011	12
C1305	Rosenberger Cable	FA210A1030005050	31 Mar 2012	12
C1302	Rosenberger Cable	FA210A1030005050	31 Mar 2012	12
A1306	50 Ω Load	370 BNM	Calibrated before use	

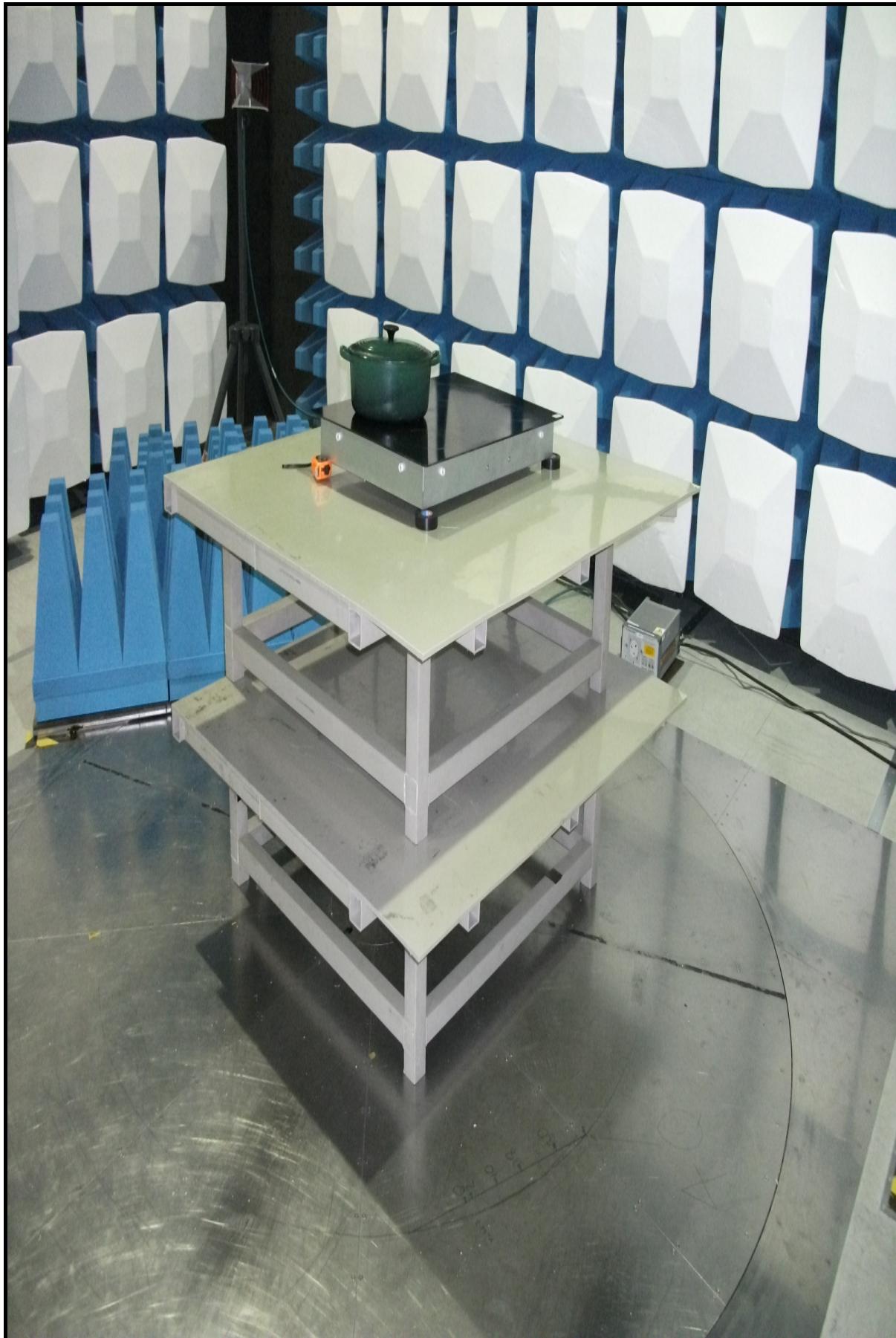
8. PHOTOGRAPHS OF EUT

This section contains the following photographs:

Photo Reference Number	Title
PHT\80680JD04\001	Test Configuration Photograph - Conducted Emissions
PHT\80680JD04\002	Test Configuration Photograph - Radiated Emissions

PHT\80680JD04\001 - Test Configuration Photograph - Conducted Emissions



PHT\80680JD04\002 - Test Configuration Photograph - Radiated Emissions

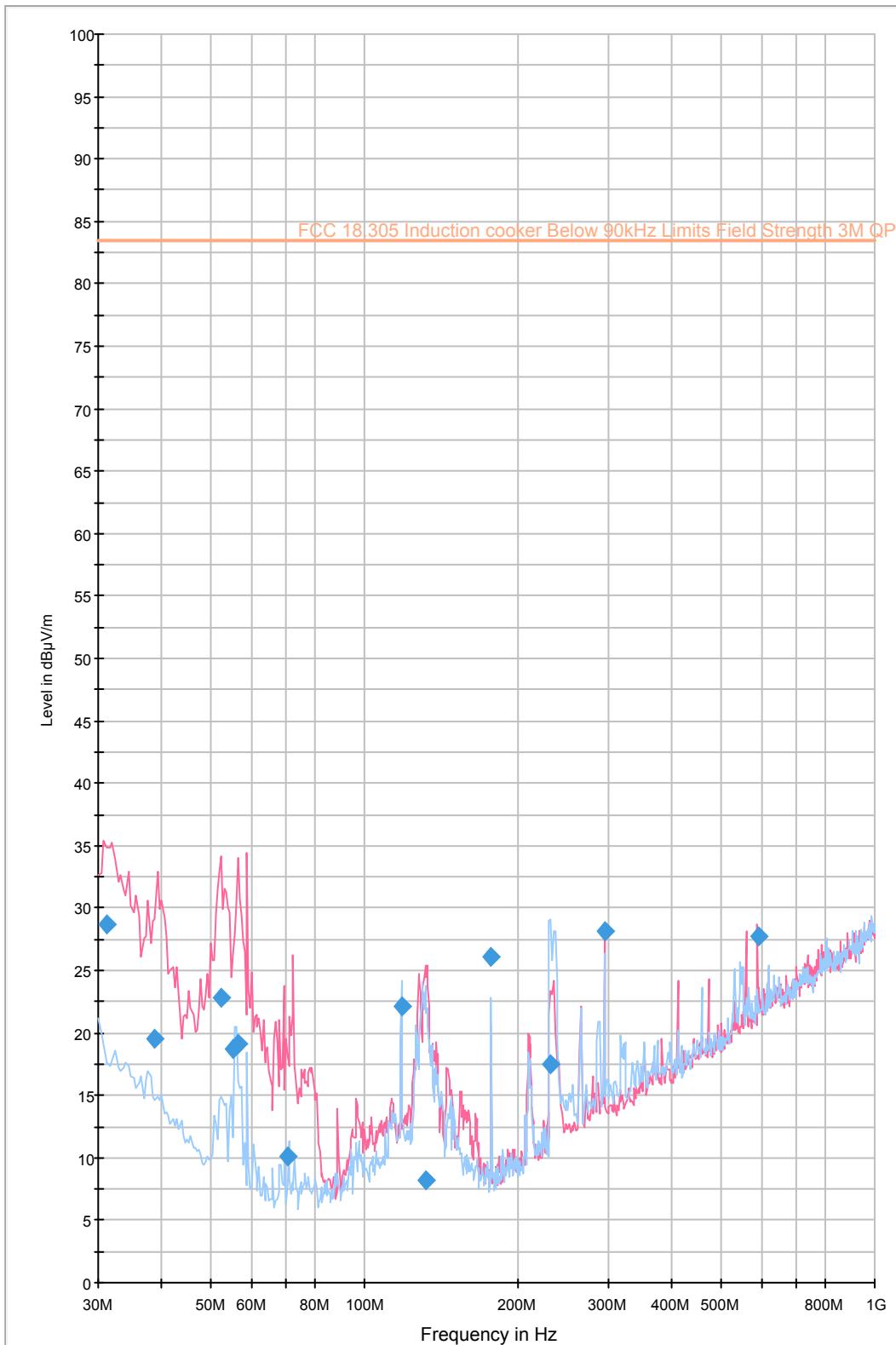
9. GRAPHICAL TEST RESULTS

9.1. This section contains the graphical results for the measurements listed in Section 2.2. *Summary of Test Results (above)*

Graph Number	Title
GPH\80680JD04\001	Electric Field Radiated Emissions (240 VAC 60 Hz) Pre-Scan (30 MHz to 1 GHz)
GPH\80680JD04\002	Electric Field Radiated Emissions (208 VAC 60 Hz) Pre-Scan (30 MHz to 1 GHz)
GPH\80680JD04\003 to 004	Magnetic Field Radiated Emissions (240 VAC 60 Hz) Pre-Scan (9 KHz to 1 GHz)
GPH\80680JD04\005 to 006	Magnetic Field Radiated Emissions (208 VAC 60 Hz) Pre-Scan (9 KHz to 1 GHz)
GPH\80680JD04\007 to 010	Conducted Emissions (240 VAC 60 Hz) Pre-Scan (9 kHz to 30 MHz)
GPH\80680JD04\011 to 014	Conducted Emissions (208 VAC 60 Hz) Pre-Scan (9 kHz to 30 MHz)

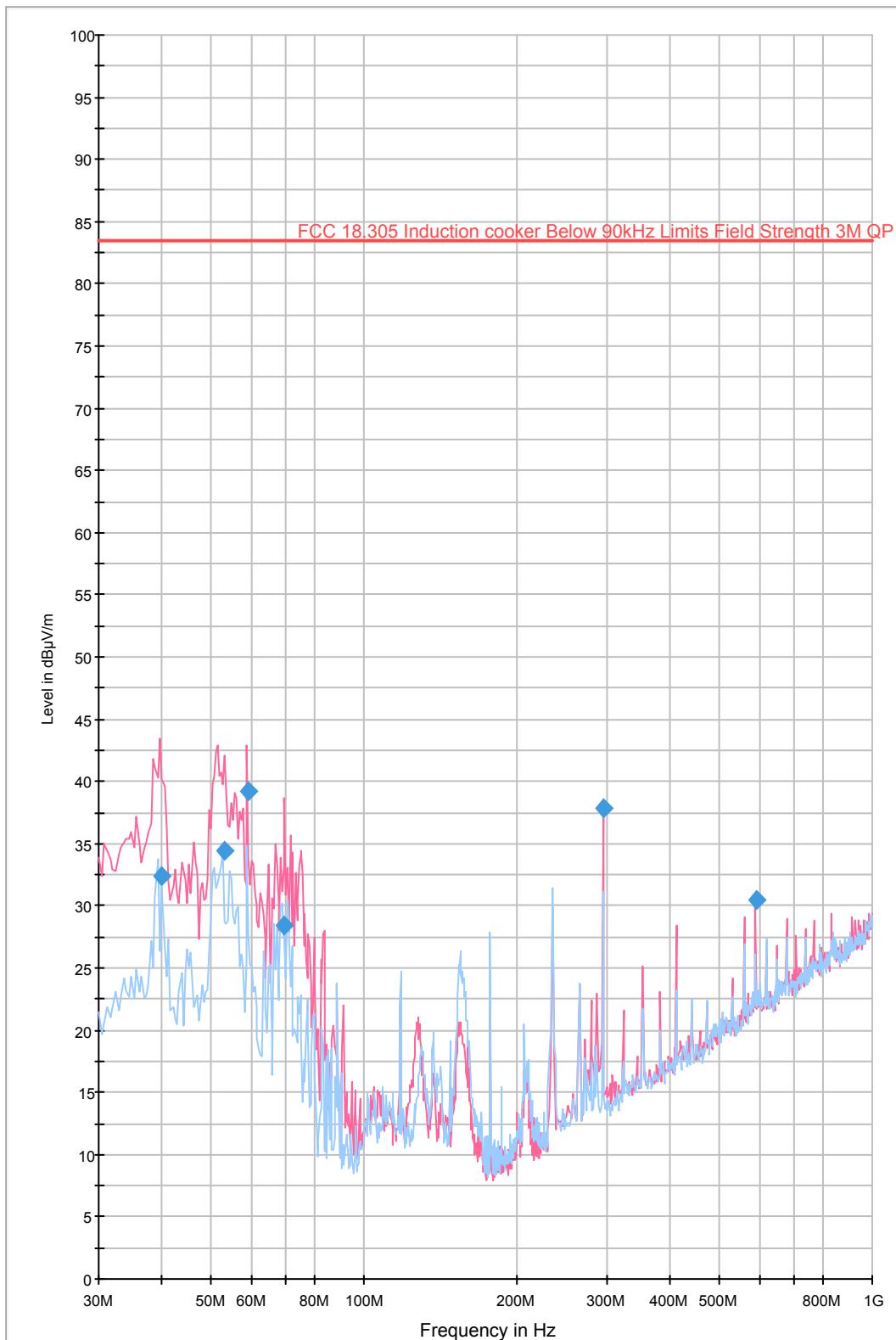
GPH\80680JD04\001

Radiated Emissions Induction Cooker 30MHz-1GHz 5m



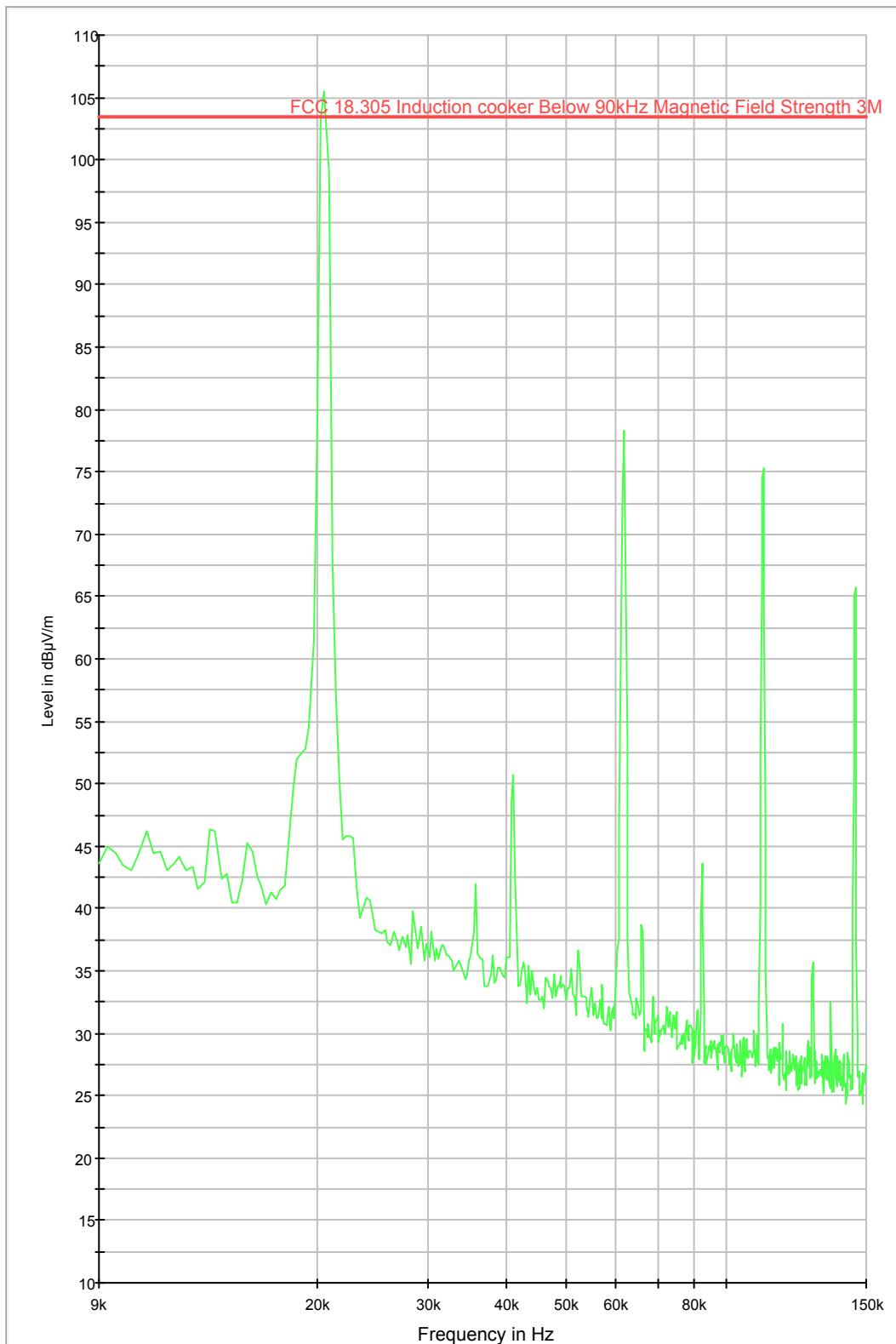
GPH\80680JD04\002

Radiated Emissions Induction Cooker 30MHz-1GHz 5m



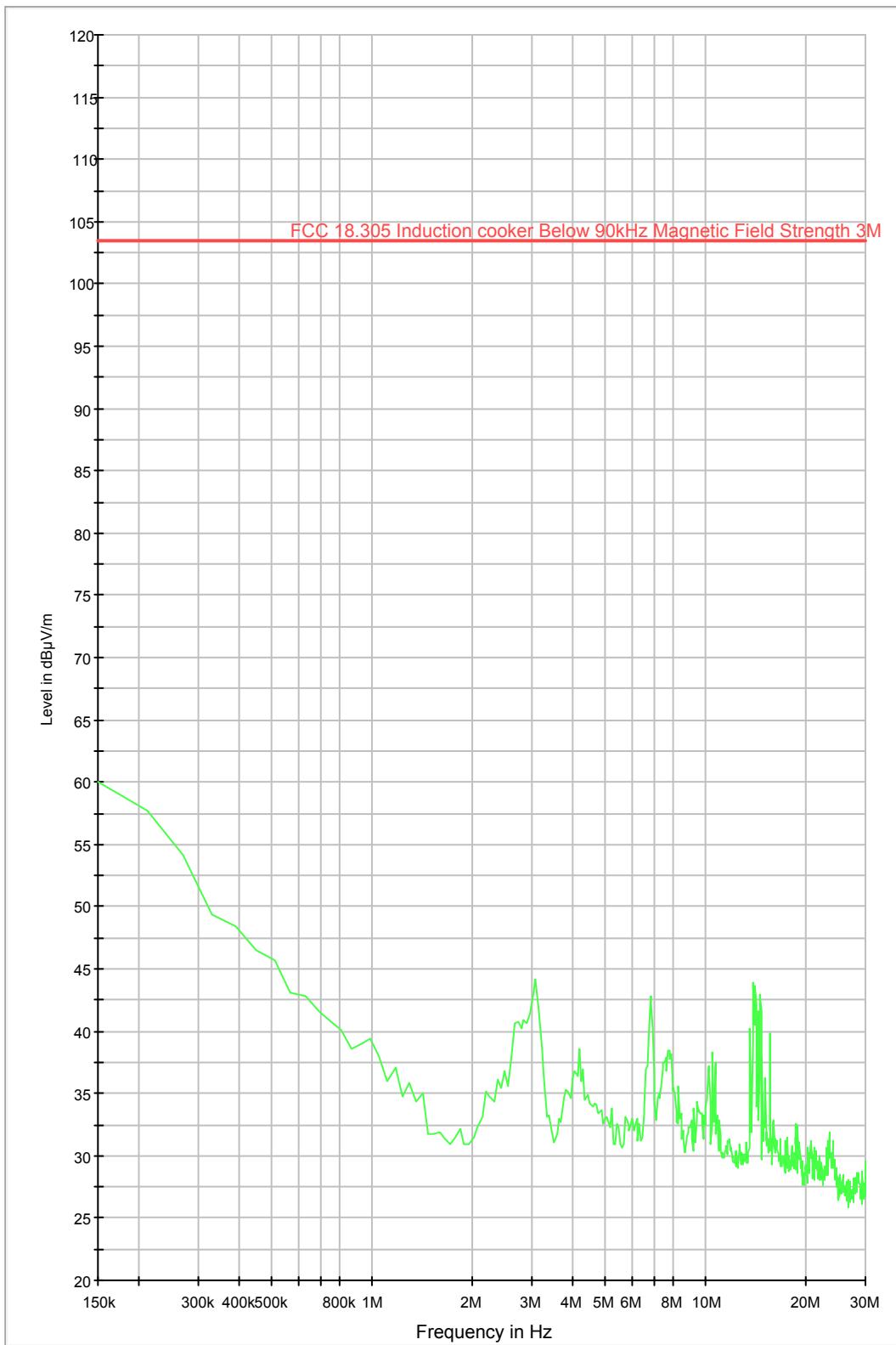
GPH\80680JD04\003

FCC Part 18 Induction Cooker Below 90kHz Magnetics 9kHz-150kHz 3M



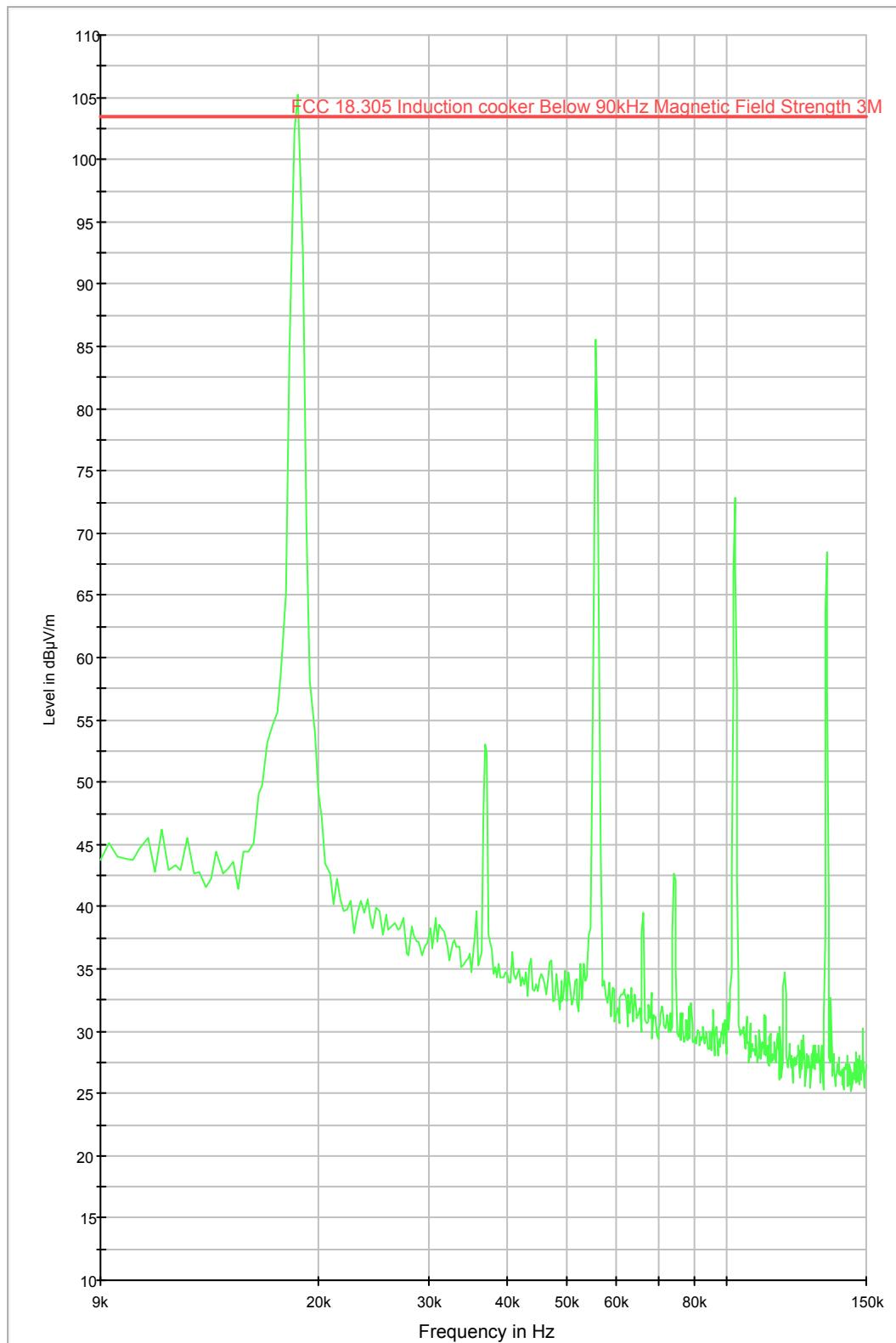
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FCC Part 18 Induction Cooker Below 90kHz Magnetics 150kHz-30MHz 3M



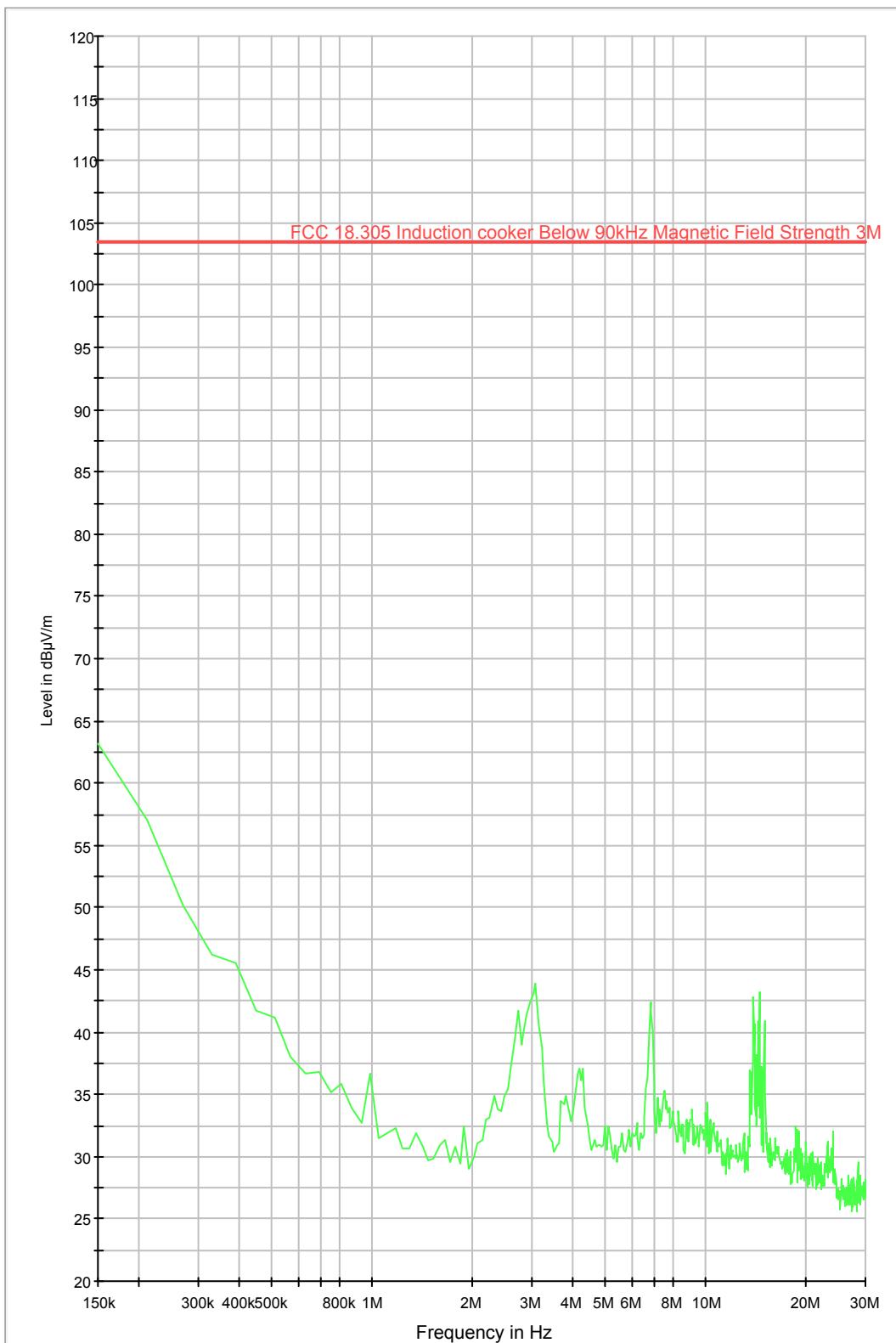
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FCC Part 18 Induction Cooker Below 90kHz Magnetics 9kHz-150kHz 3M



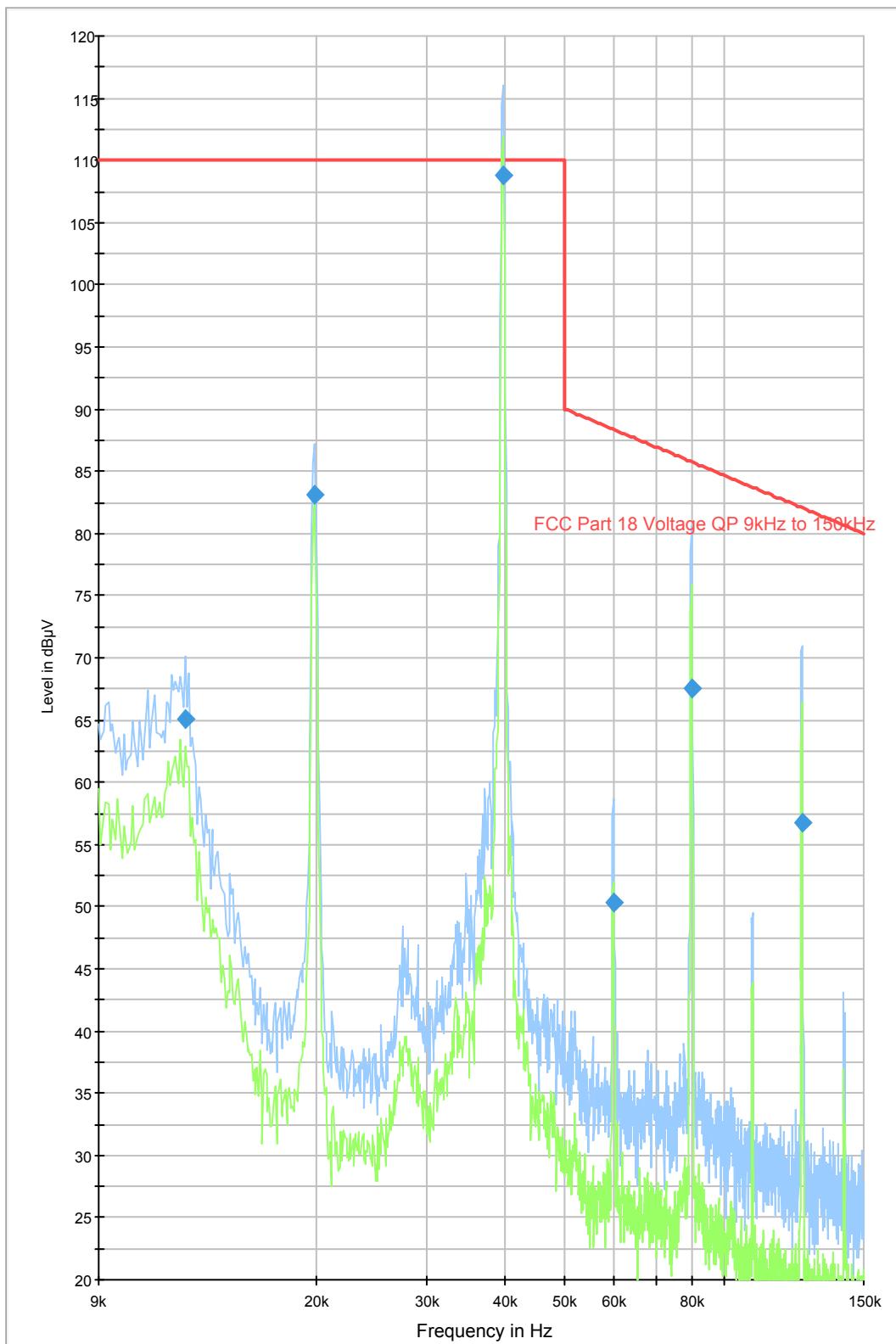
GPH\80680JD04\006

FCC Part 18 Induction Cooker Below 90kHz Magnetics 150kHz-30MHz 3M



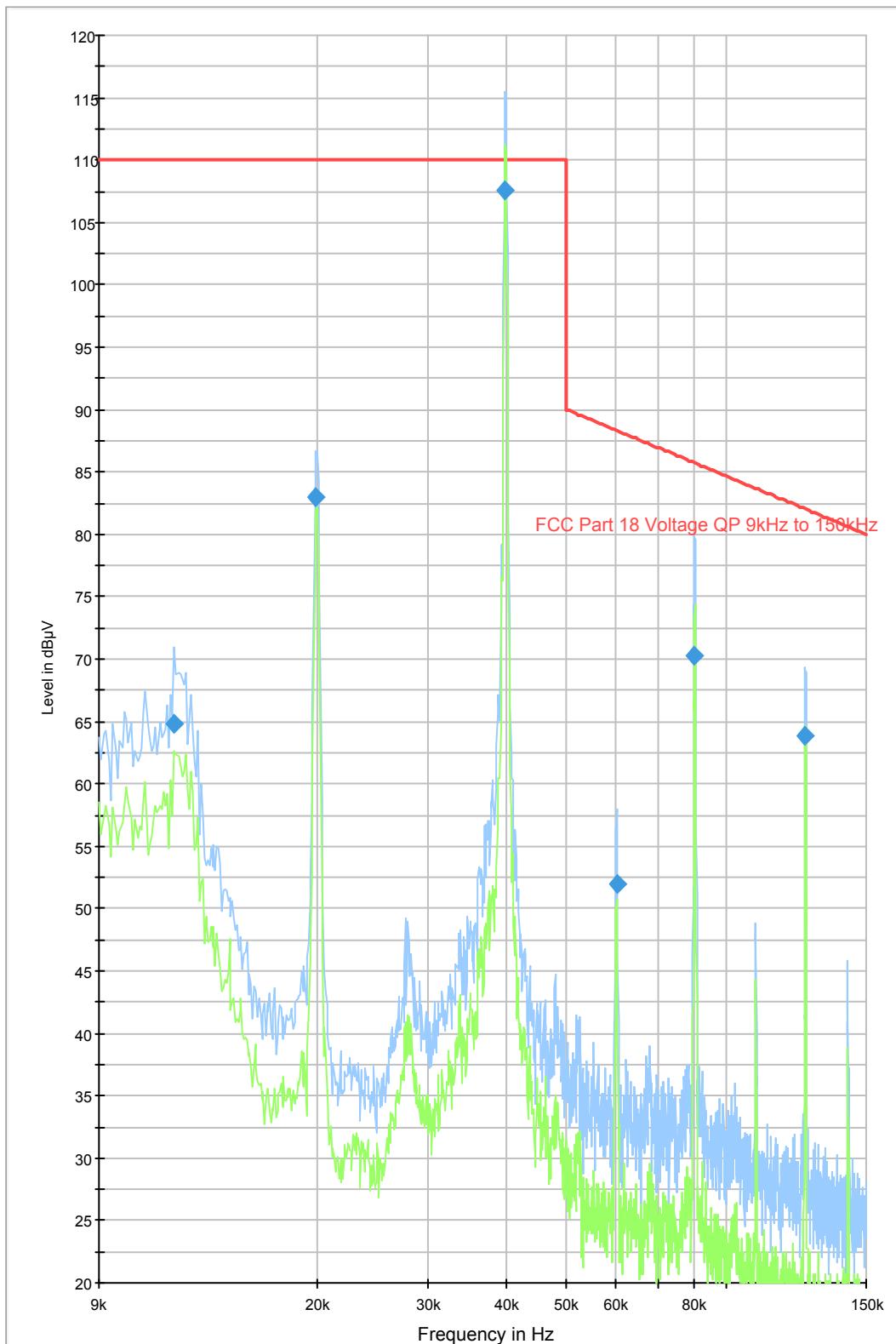
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Conducted Emissions Induction Cooker Voltage 9-150kHz 2-Line L



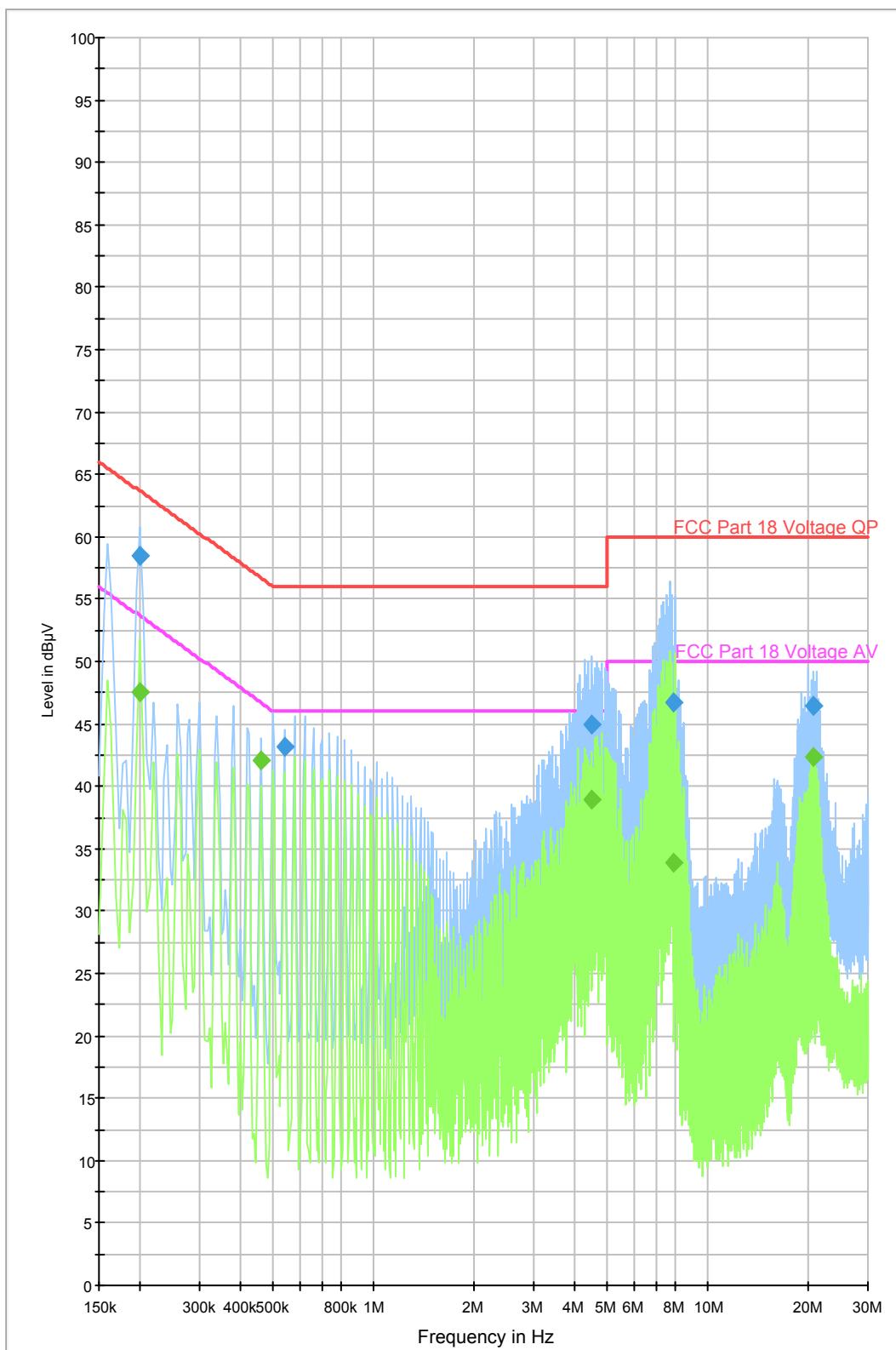
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Conducted Emissions Induction Cooker Voltage 9-150kHz 2-Line N



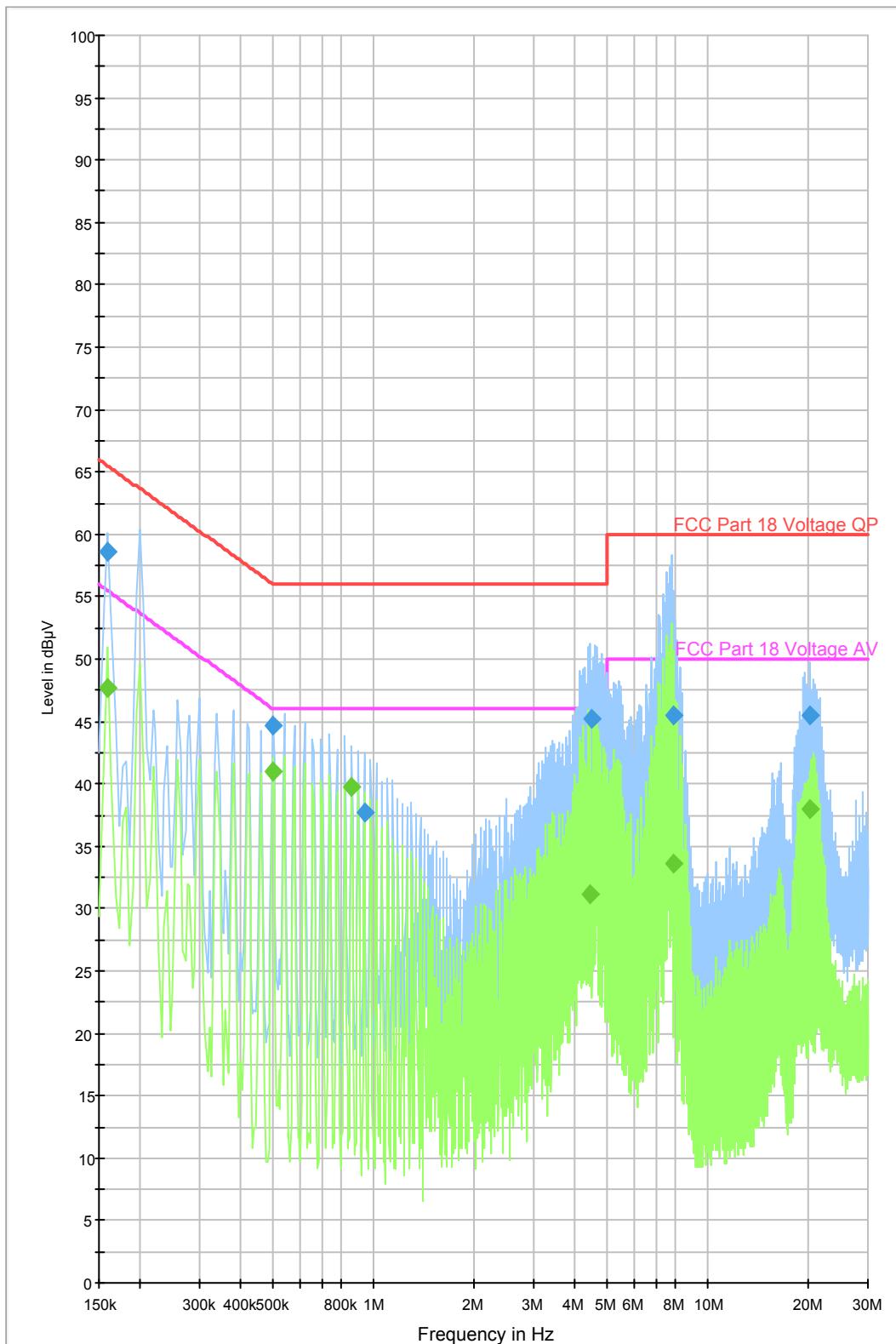
GPH\80680JD04\009

Conducted Emissions Induction Cooker Voltage 150kHz-30MHz 2-Line L



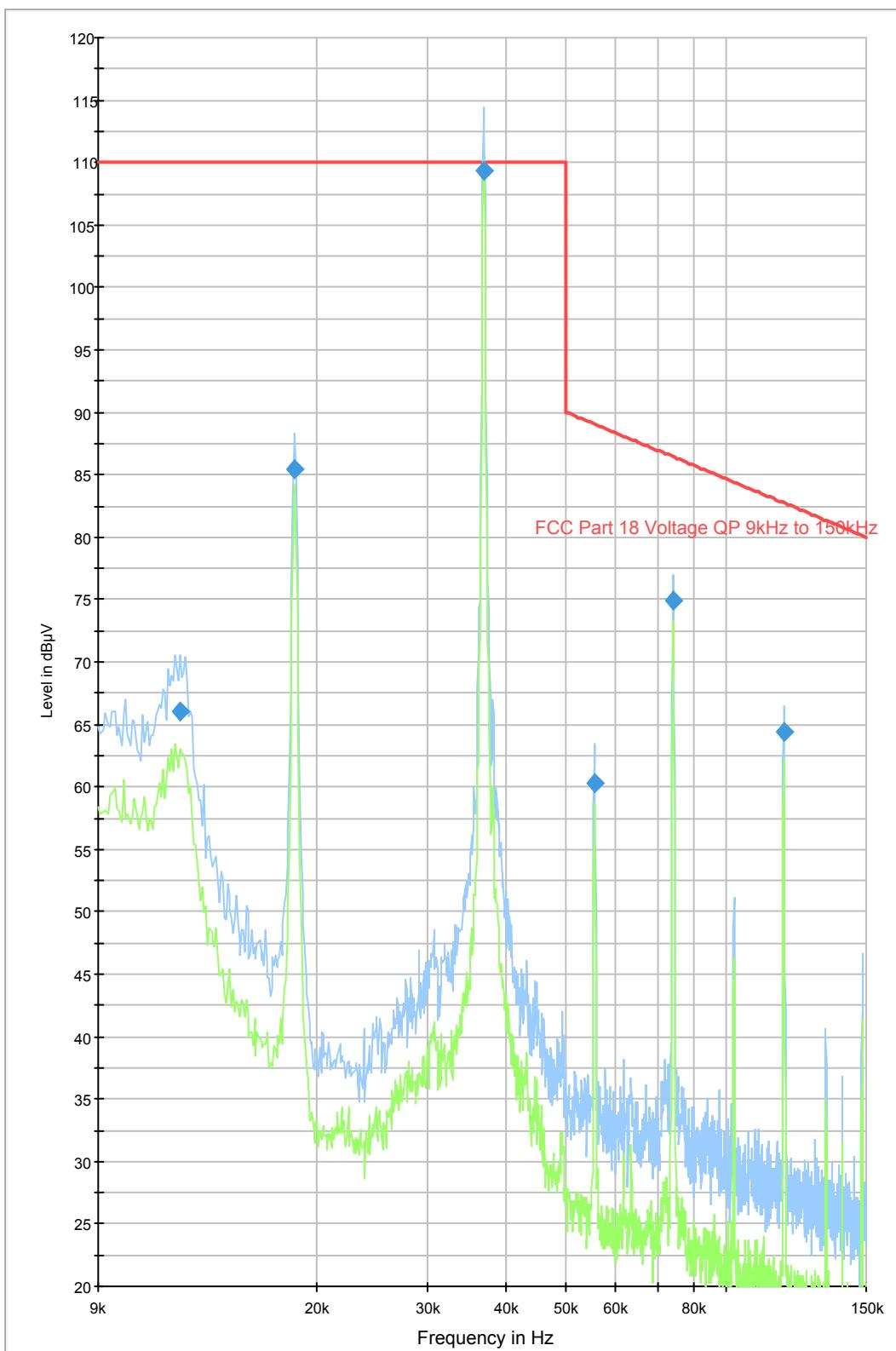
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Conducted Emissions Induction Cooker Voltage 150kHz-30MHz 2-Line N



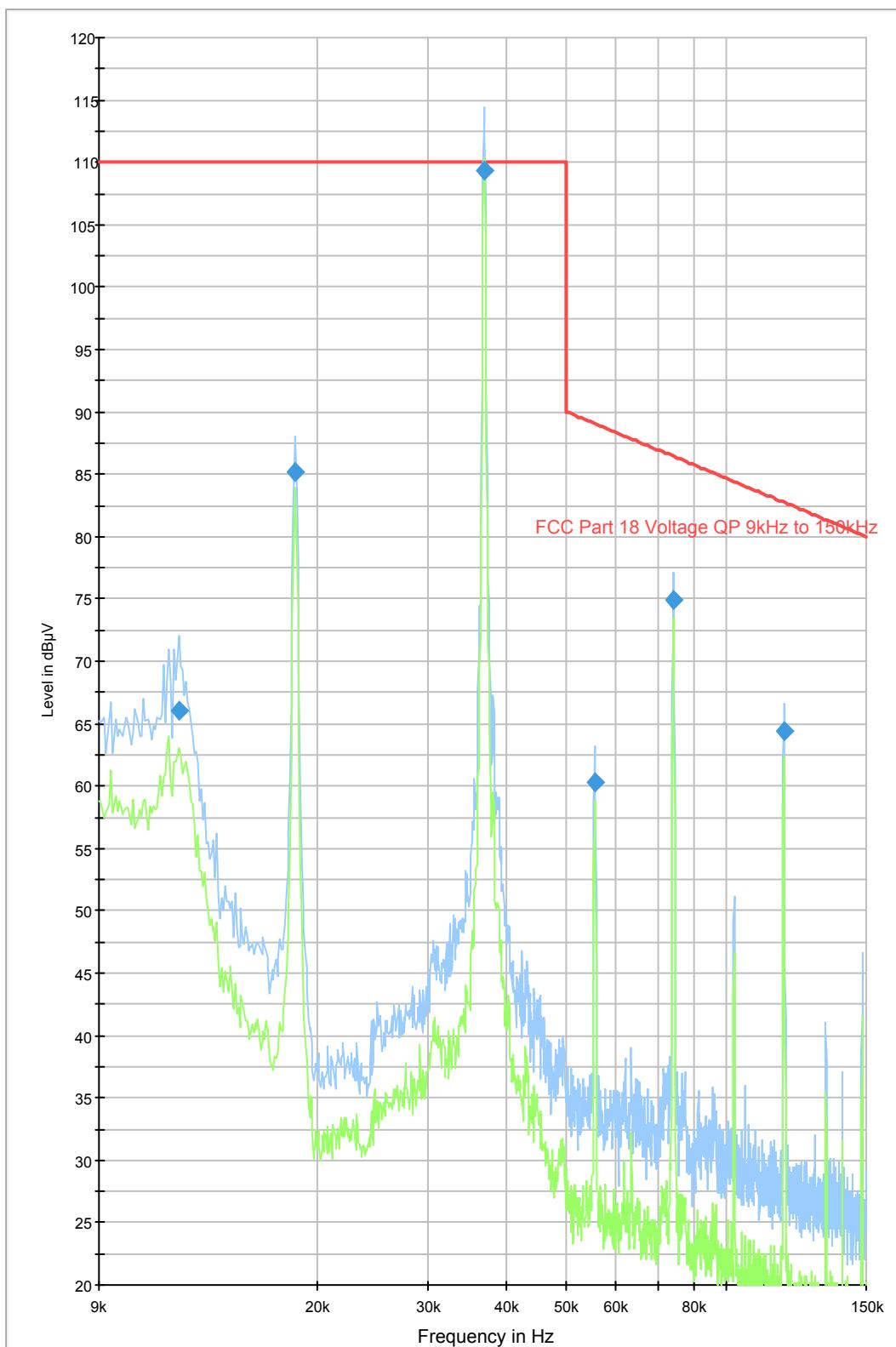
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Conducted Emissions Induction Cooker Voltage 9-150kHz 2-Line L



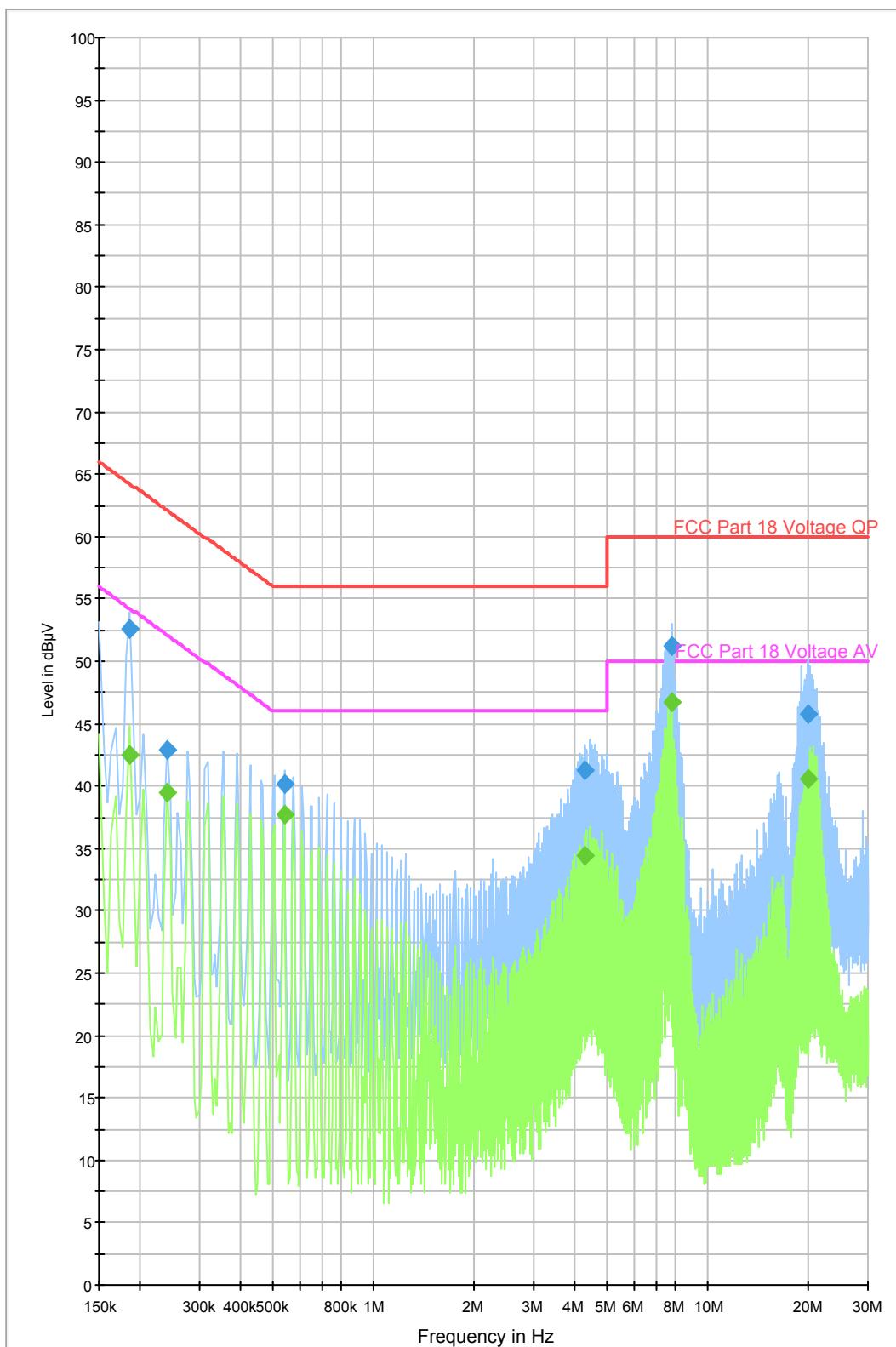
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Conducted Emissions Induction Cooker Voltage 9-150kHz 2-Line N



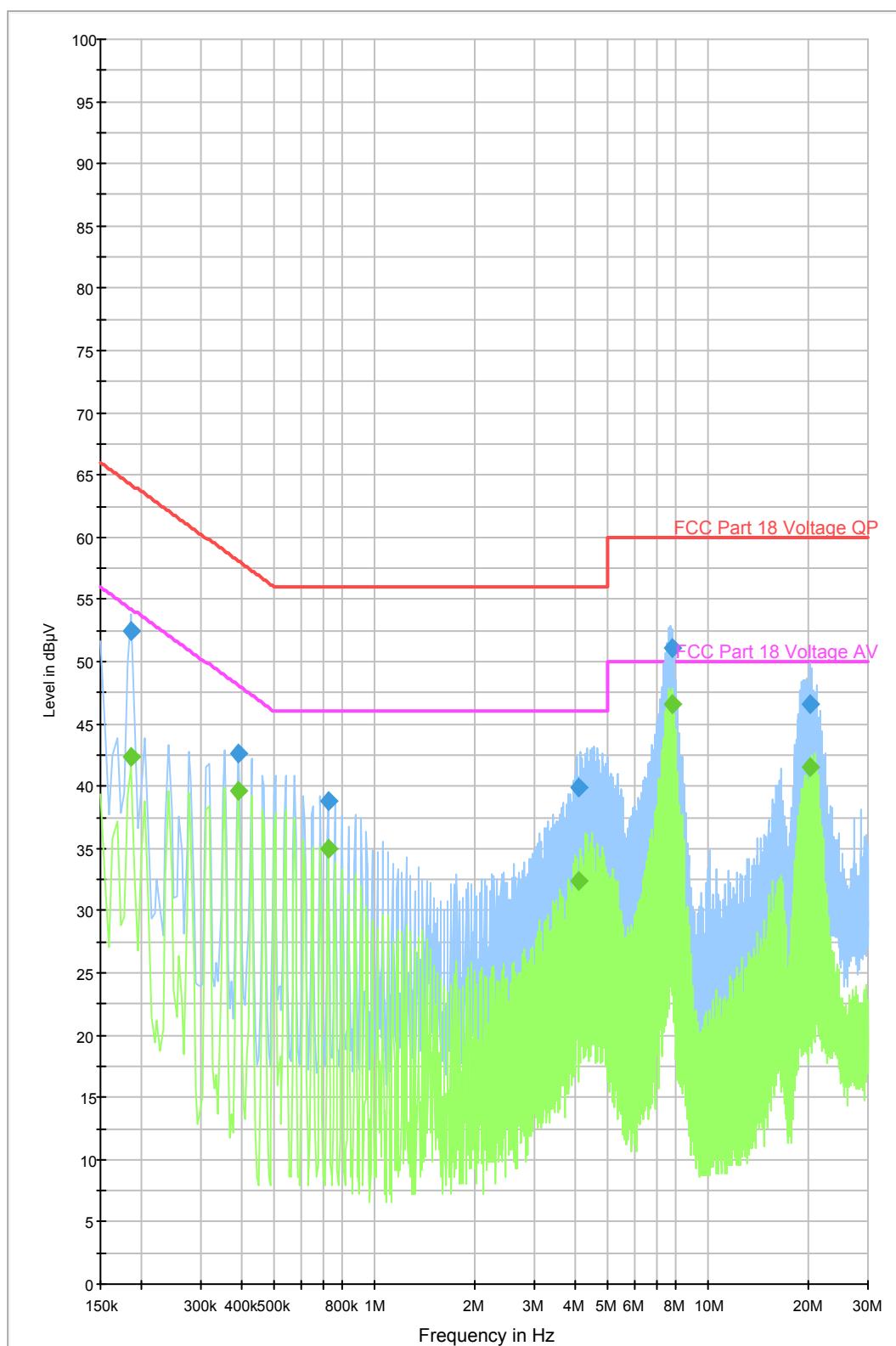
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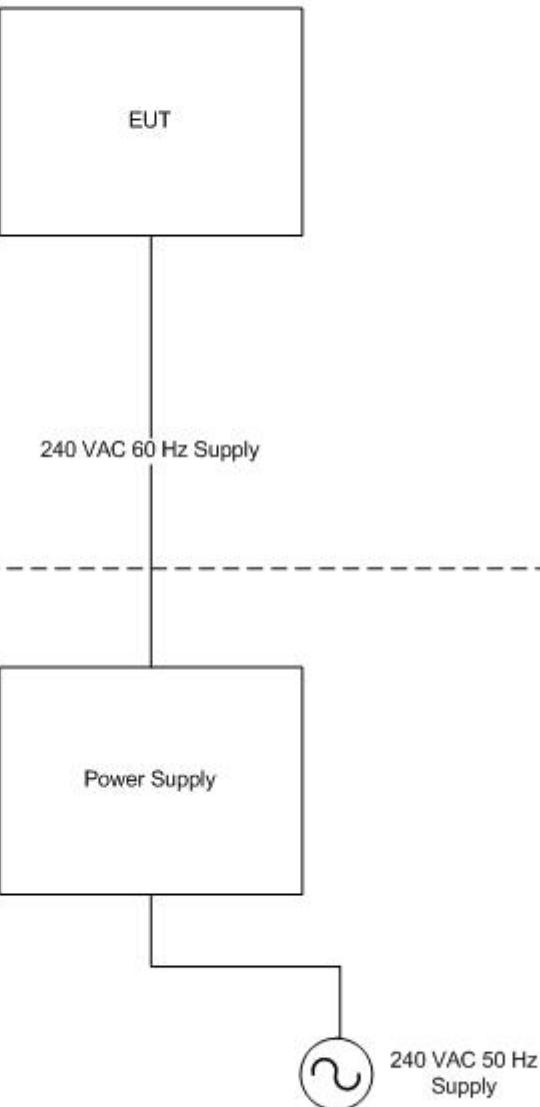
Conducted Emissions Induction Cooker Voltage 150kHz-30MHz 2-Line L



GPH\80680JD04\014

Conducted Emissions Induction Cooker Voltage 150kHz-30MHz 2-Line N



DRG\80680JD04\001 - Schematic diagram of the EUT, support equipment and interconnecting cables used for the test**Configuration of EUT and Local Support Equipment****Configuration of Remote Support Equipment**