

POWER LINE CONDUCTED INTERFERENCE

Rules Part No.: Part 15.107

Requirements:

Frequency (MHz)	Quasi Peak Limits (dB μ V)	Average Limits (dB μ V)
0.15 – 0.5	66 – 56 *	56 – 46 *
0.5 – 5.0	56	46
5.0 – 30	60	50
* Decrease with logarithm of frequency		

CHARGER 1 POWERLINE CONDUCTED EMISSIONS TEST SET UP PHOTO 1



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APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

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POWER LINE CONDUCTED INTERFERENCE

CHARGER 2 POWERLINE CONDUCTED EMISSIONS TEST SET UP PHOTO 2



Test Data: The following plots represent the emissions for power line conducted with EUT operating three different modes, charge with single charger, charging with multi-unit charger, transferring data from laptop pc. Both lines were observed.

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POWER LINE CONDUCTED INTERFERENCE

LAPTOP POWERLINE CONDUCTED EMISSIONS TEST SET UP PHOTO 3



Test Data: The following plots represent the emissions for power line conducted.
Both lines were observed.

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APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

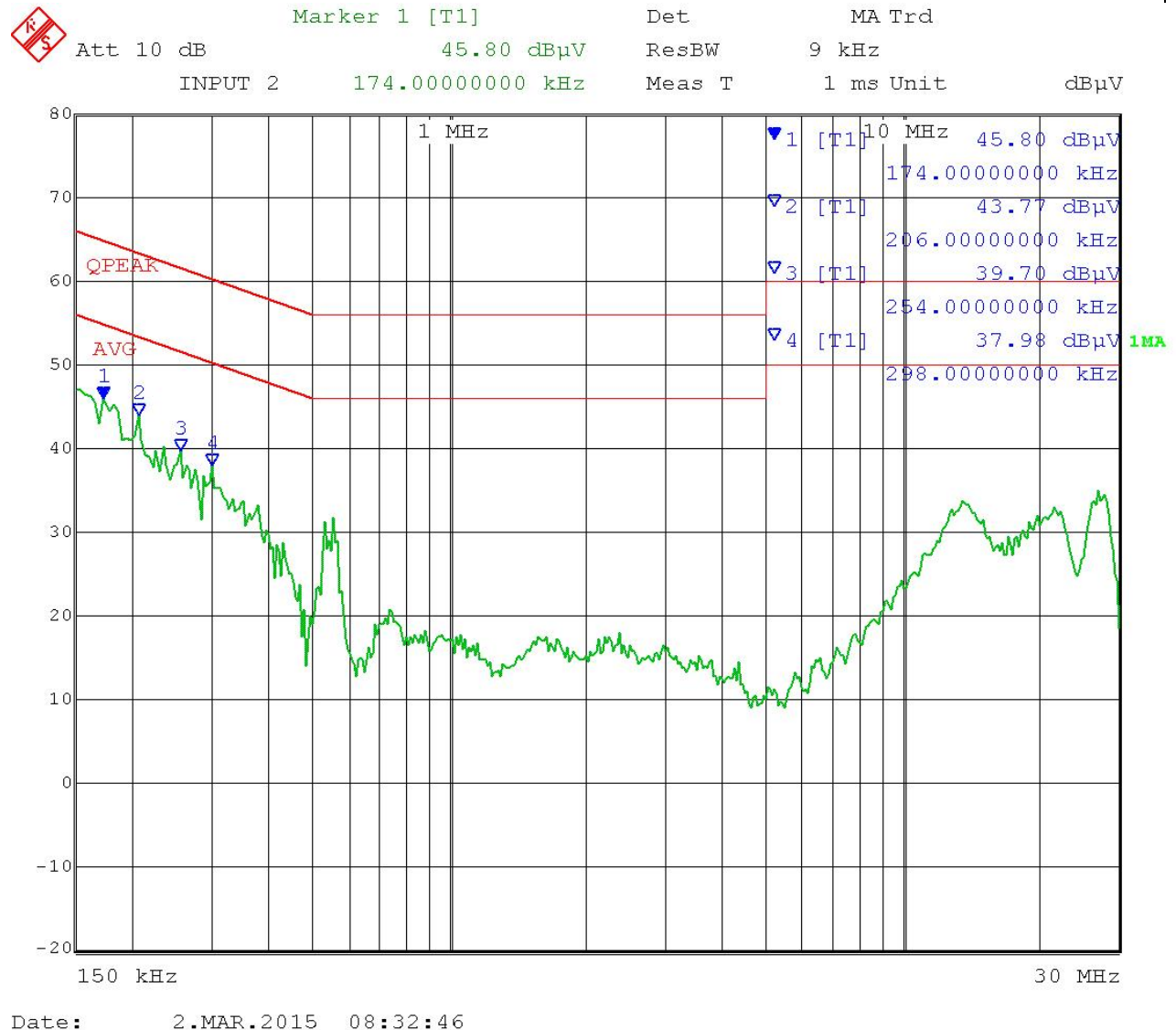
MODEL: DLR1060

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POWER LINE CONDUCTED INTERFERENCE

CHARGER 1 POWERLINE 1 PEAK SCAN



Results - Meets Requirements

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APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

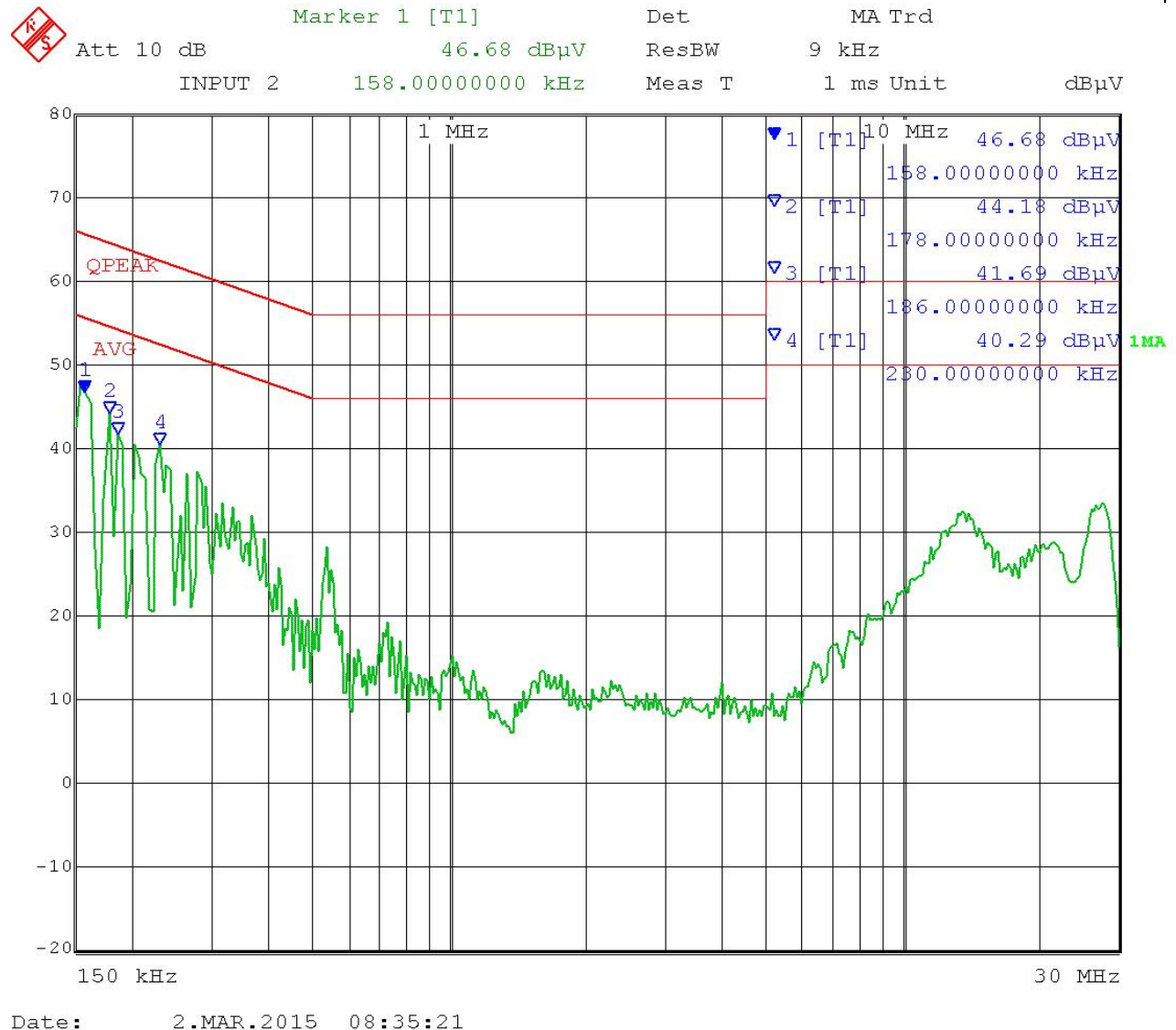
MODEL: DLR1060

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POWER LINE CONDUCTED INTERFERENCE

CHARGER 1 POWERLINE 2 PEAK SCAN



Results - Meets Requirements

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APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

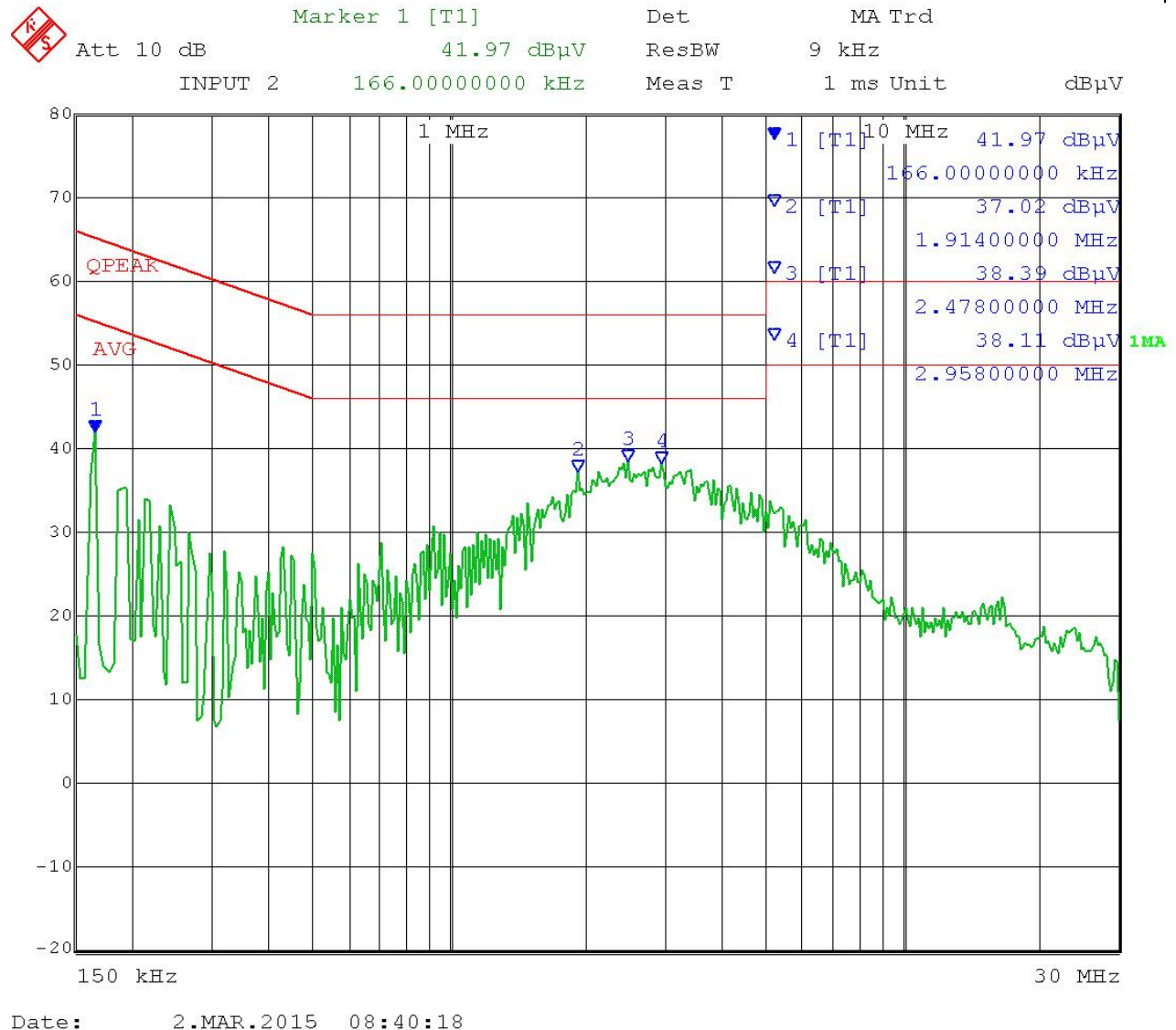
MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

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POWER LINE CONDUCTED INTERFERENCE

CHARGER 2 POWERLINE 1 PEAK SCAN



Results - Meets Requirements

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APPLICANT: MOTOROLA SOLUTIONS, INC.

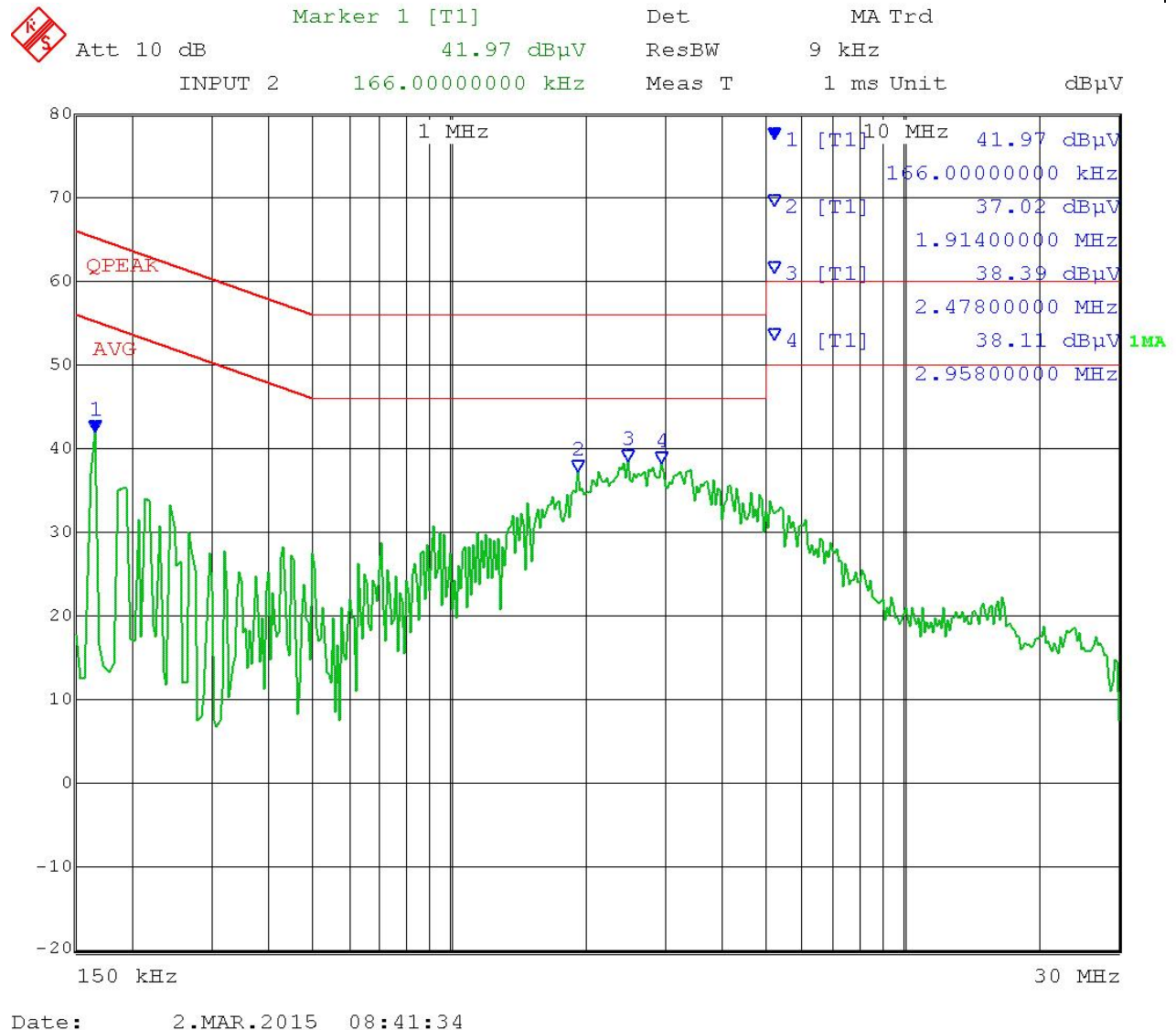
FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

POWER LINE CONDUCTED INTERFERENCE

CHARGER 2 POWERLINE 2 PEAK SCAN



Results - Meets Requirements

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APPLICANT: MOTOROLA SOLUTIONS, INC.

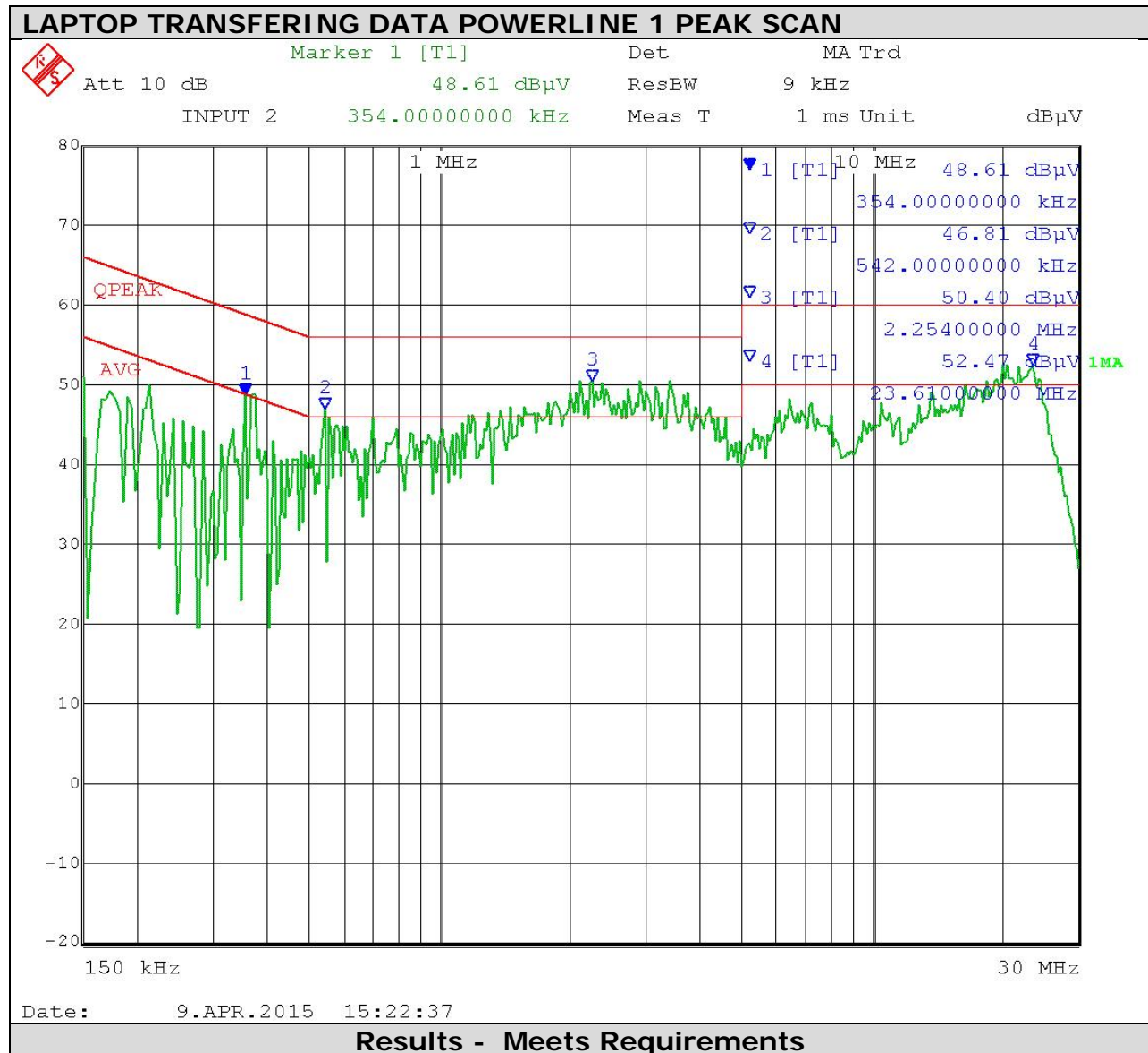
FCC ID: AZ489FT5870

MODEL: DLR1060

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APPLICANT: MOTOROLA SOLUTIONS, INC.

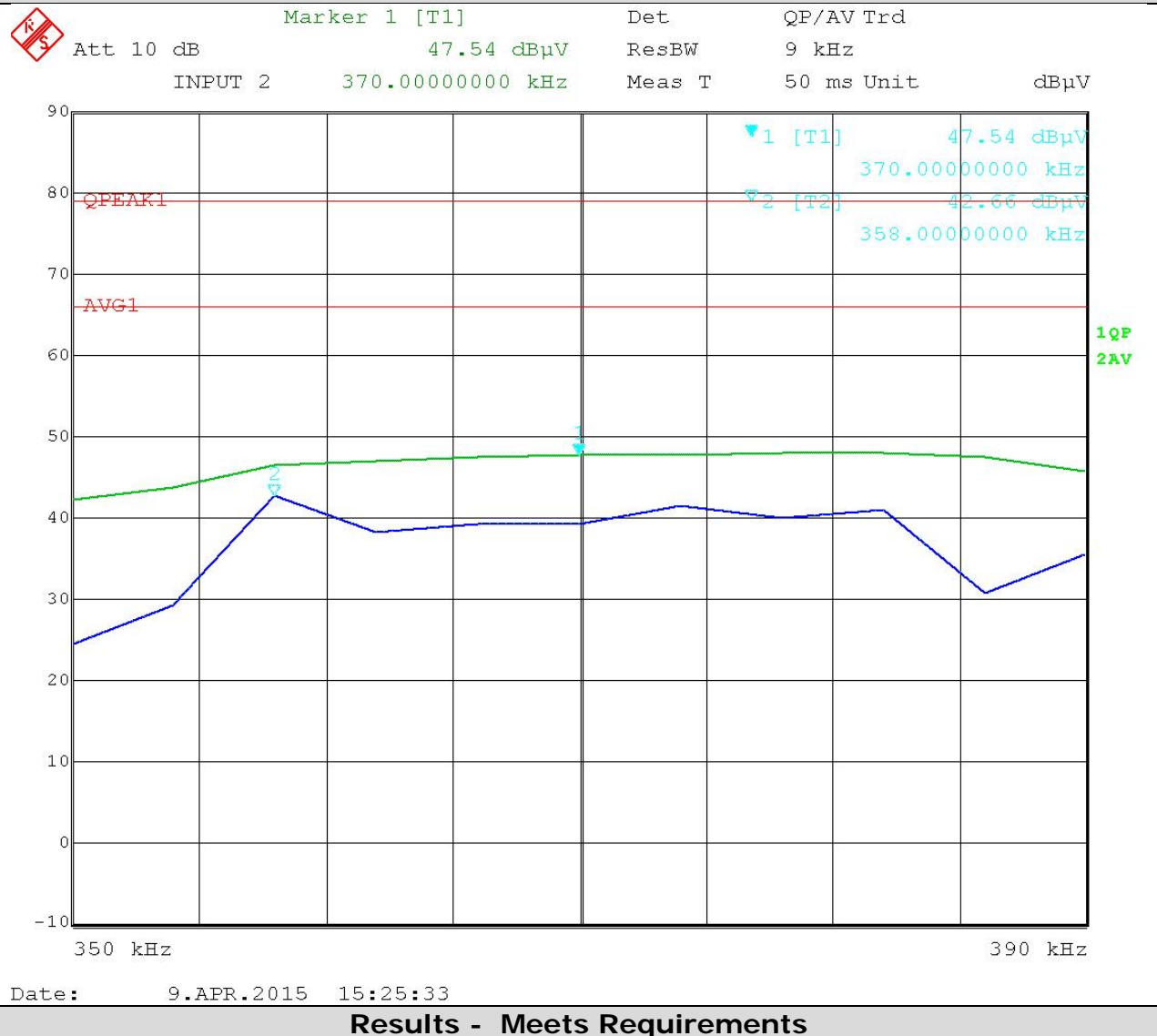
FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

POWER LINE CONDUCTED INTERFERENCE

LAPTOP TRANSFERING DATA POWERLINE 1 QUASI PEAK SCAN 1



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APPLICANT: MOTOROLA SOLUTIONS, INC.

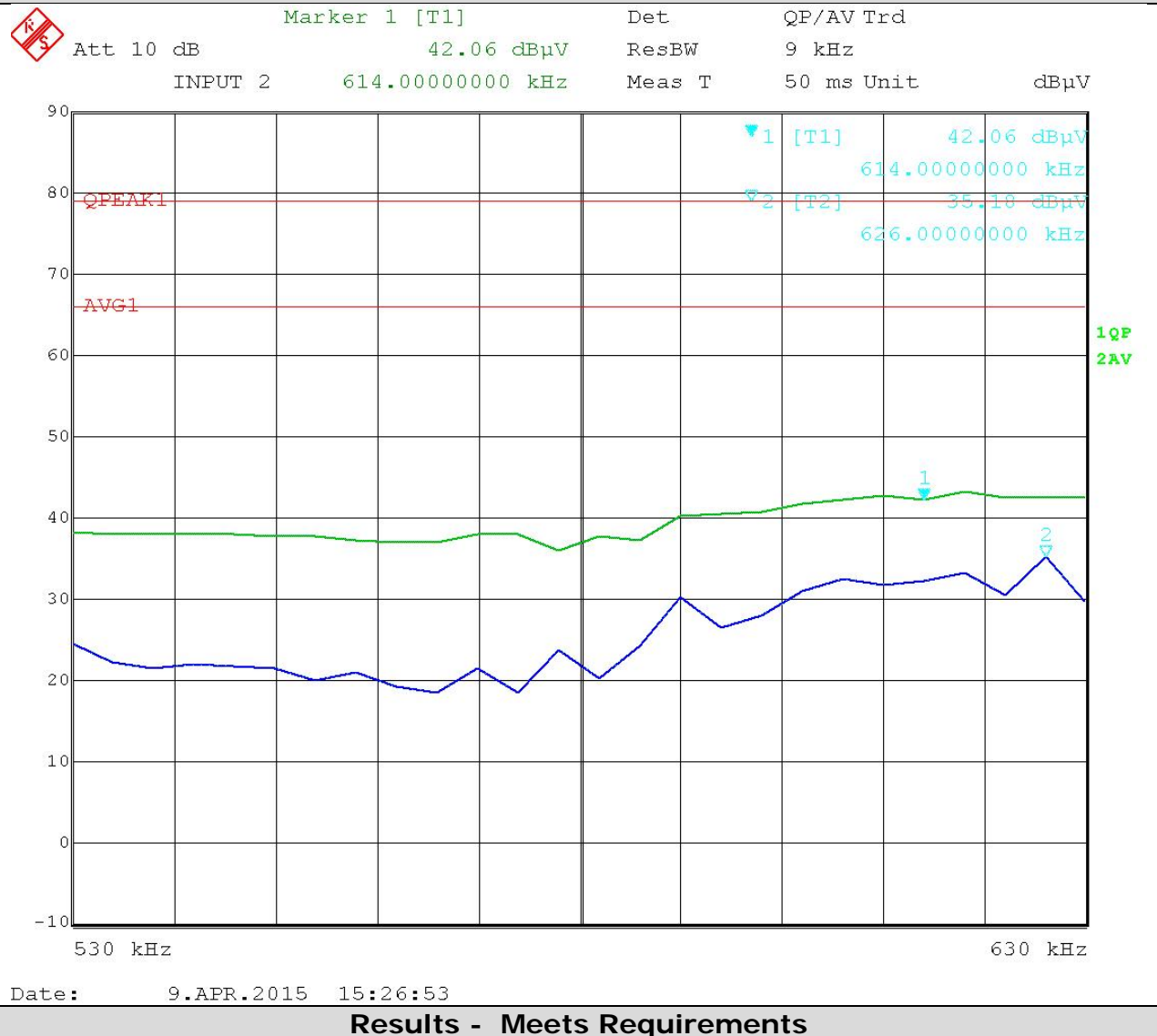
FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

POWER LINE CONDUCTED INTERFERENCE

LAPTOP TRANSFERING DATA POWERLINE 1 QUASI PEAK SCAN 2



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APPLICANT: MOTOROLA SOLUTIONS, INC.

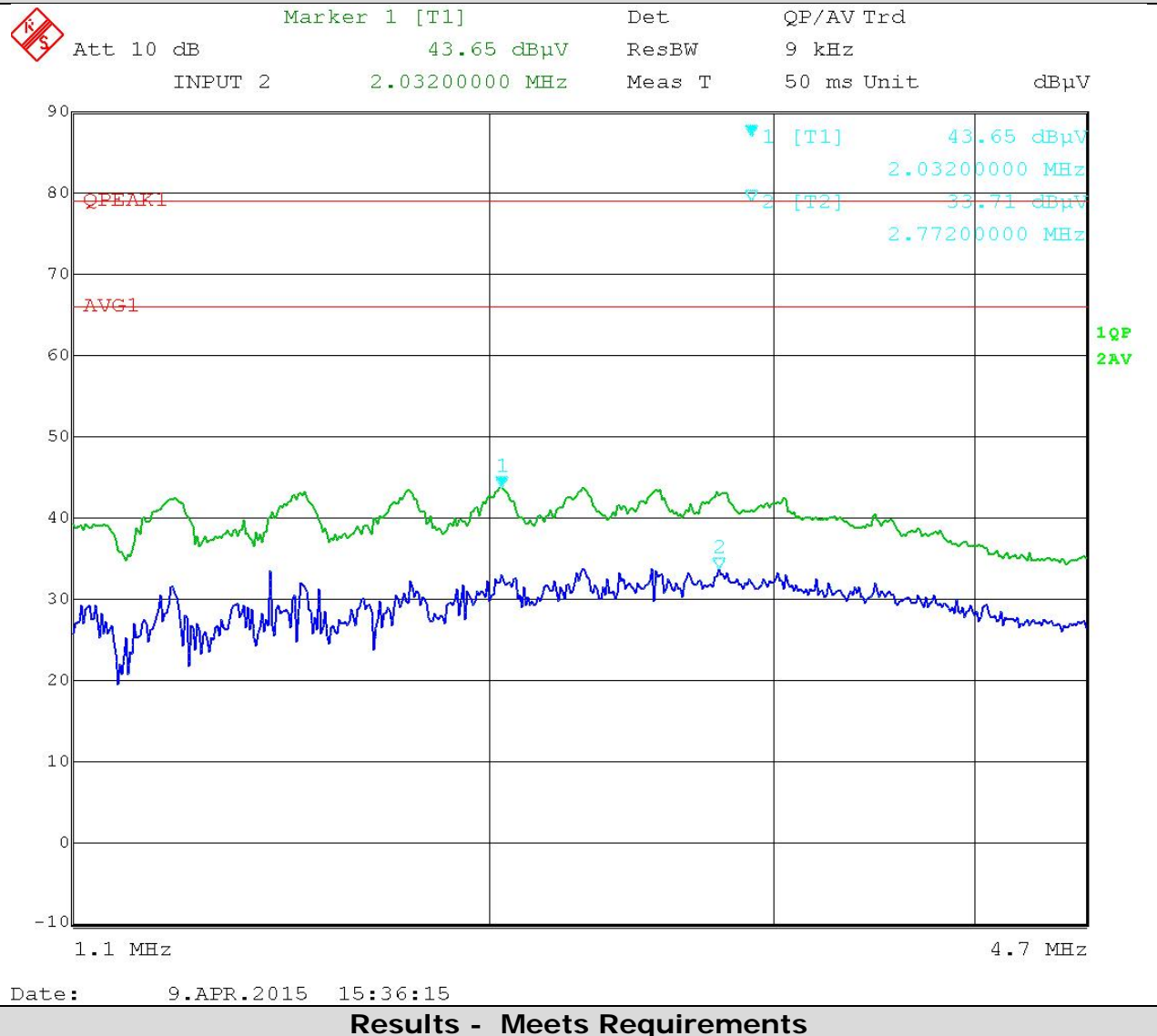
FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

POWER LINE CONDUCTED INTERFERENCE

LAPTOP TRANSFERING DATA POWERLINE 1 QUASI PEAK SCAN 3



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APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

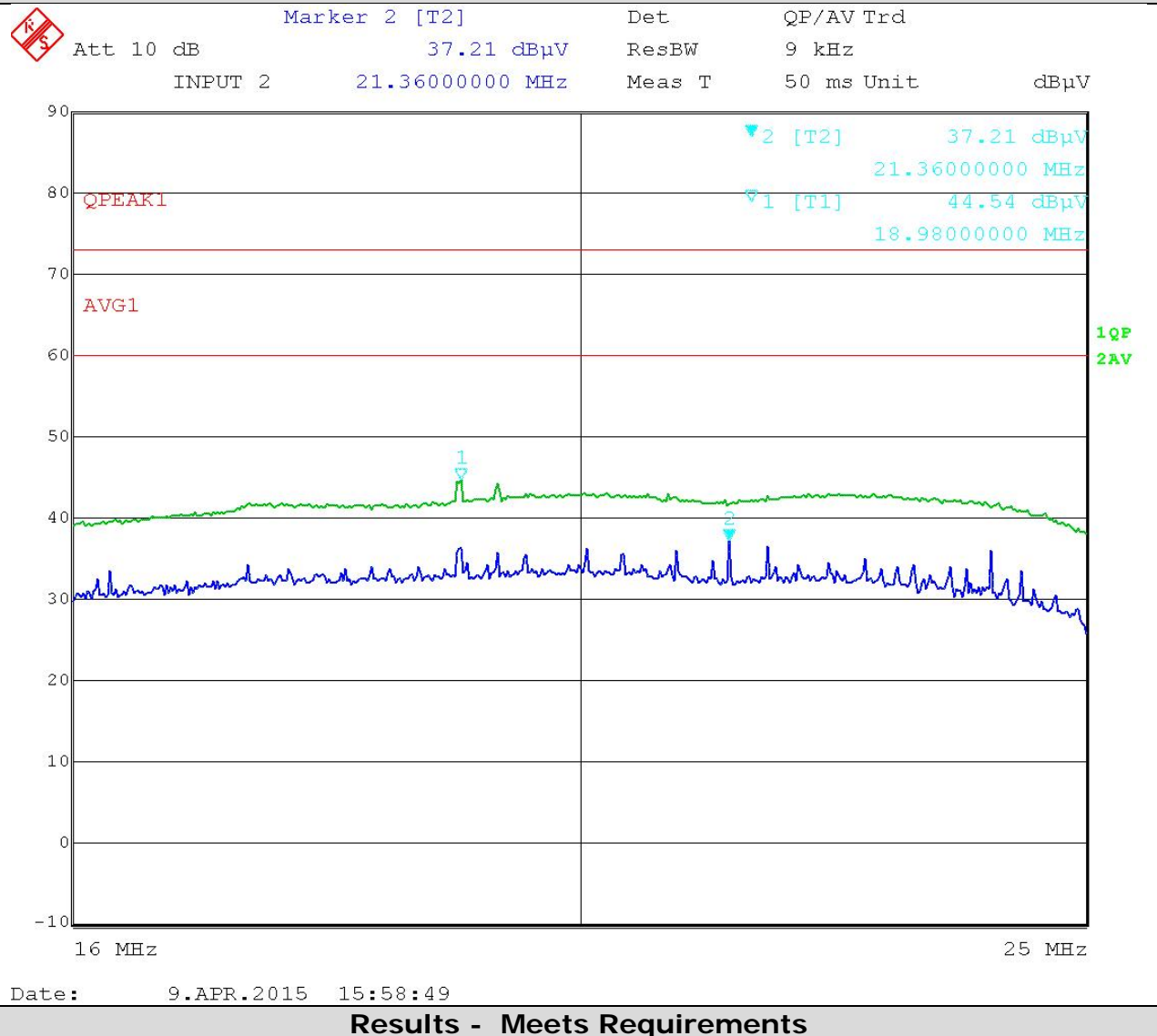
MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

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POWER LINE CONDUCTED INTERFERENCE

LAPTOP TRANSFERING DATA POWERLINE 1 QUASI PEAK SCAN 4



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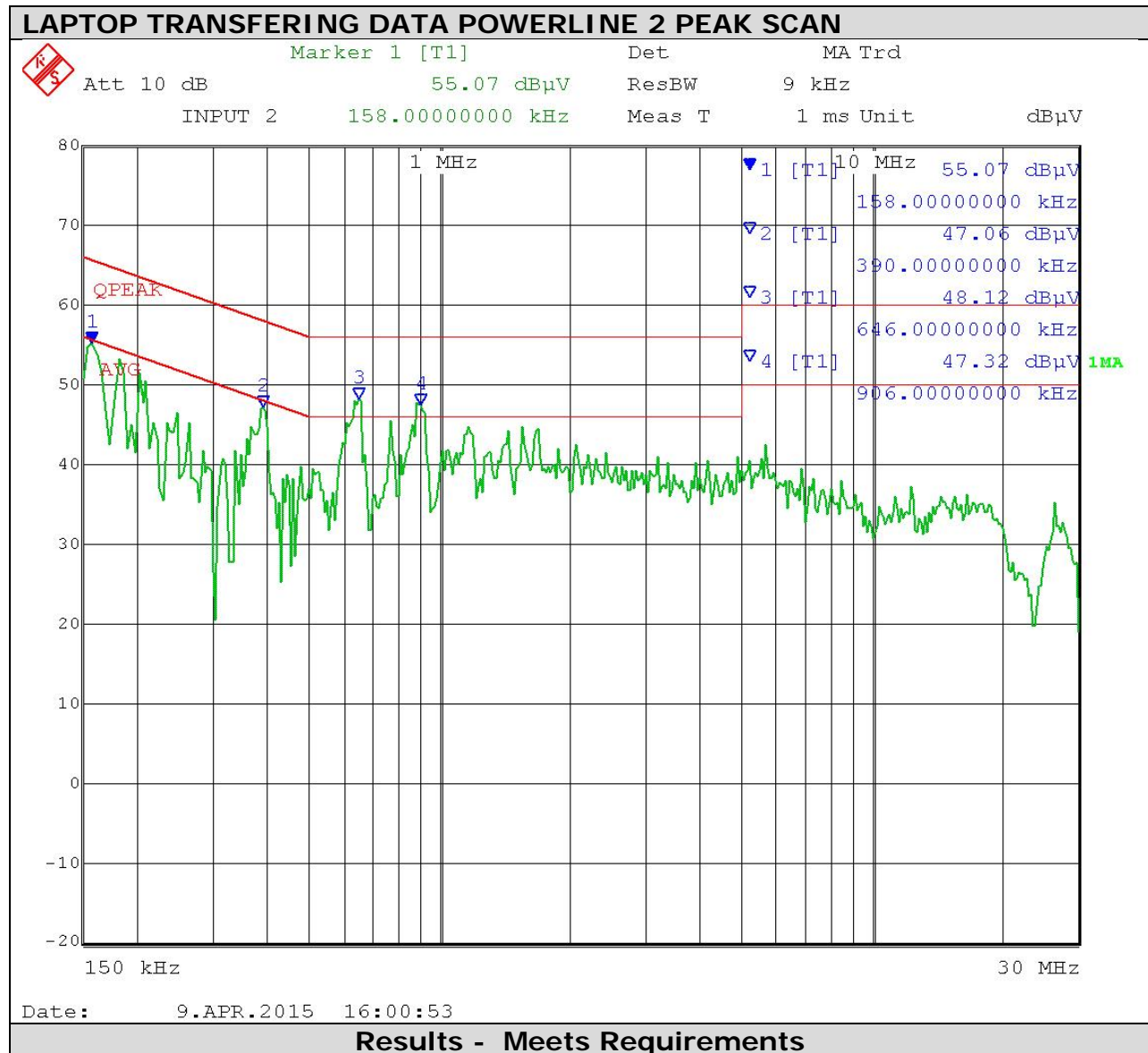
APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

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POWER LINE CONDUCTED INTERFERENCE

LAPTOP TRANSFERING DATA POWERLINE 2 QUASI PEAK SCAN 1



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APPLICANT: MOTOROLA SOLUTIONS, INC.

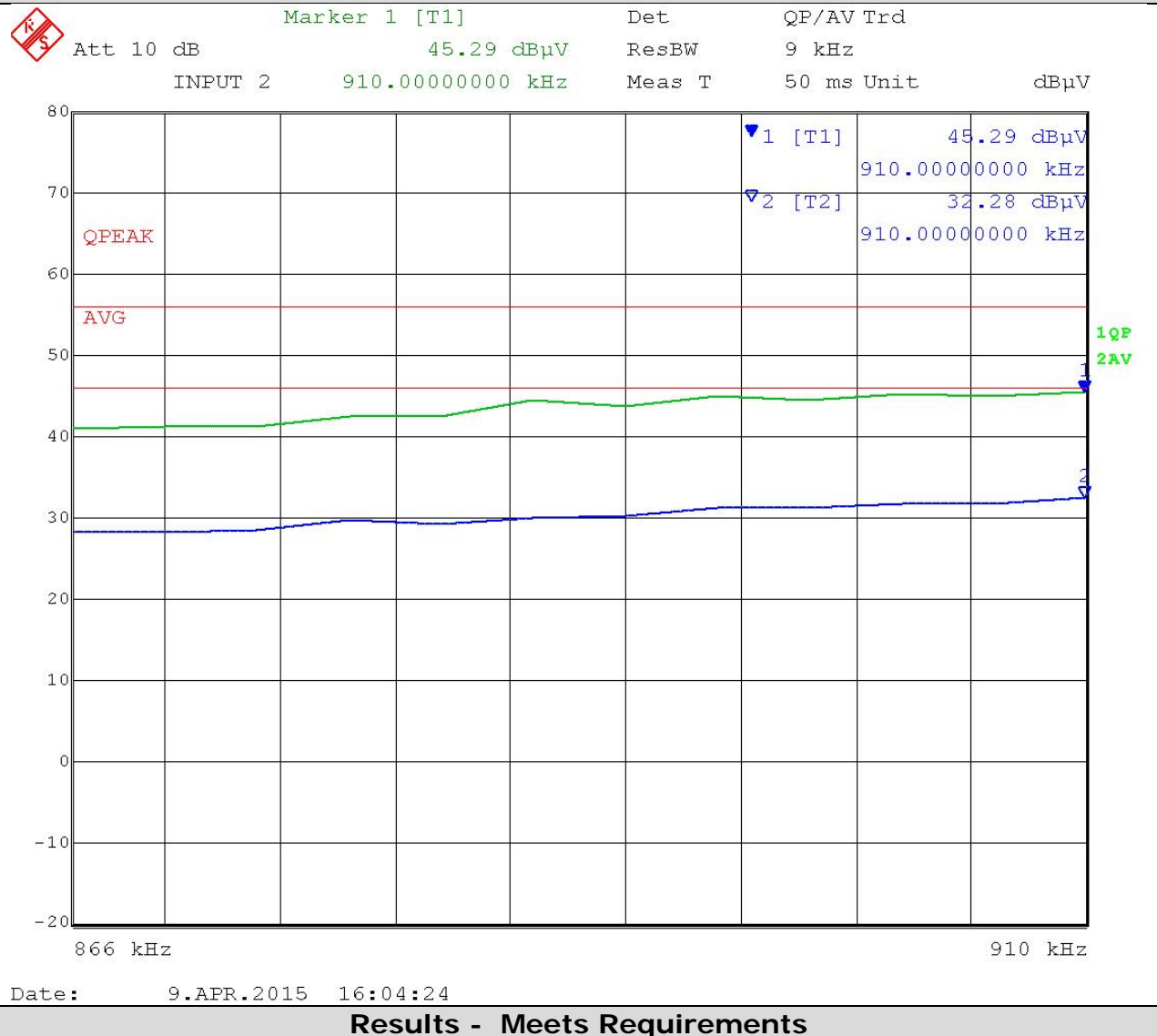
FCC ID: AZ489FT5870

MODEL: DLR1060

REPORT: MMOTO SOL_AZ4\418UT15\418UT15TestReport.docx

POWER LINE CONDUCTED INTERFERENCE

LAPTOP TRANSFERING DATA POWERLINE 2 QUASI PEAK SCAN 2



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APPLICANT: MOTOROLA SOLUTIONS, INC.

FCC ID: AZ489FT5870

MODEL: DLR1060

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TEST EQUIPMENT LIST

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
Antenna: Biconnical Chamber	Eaton Chamber	94455-1	1057	06/14/13	06/14/15
Antenna: Log-Periodic Chamber	Eaton	96005	1243	05/31/13	05/31/15
3-Meter Semi-Anechoic Chamber	Panashield	N/A	N/A	12/31/13	12/31/15
Antenna: Double-Ridged Horn/ETS Horn 1	ETS-Lindgren	3117	00035923	06/13/14	06/13/16
EMI Test Receiver R & S ESIB 40 Screen Room	Rohde & Schwarz	ESIB 40	100274	08/12/14	08/12/16
Software: Field Strength Program	Timco	N/A	Version 4.0	N/A	N/A
EMI Test Receiver R & S ESU 40 Chamber	Rohde & Schwarz	ESU 40	100320	03/11/14	03/11/16

*EMI RECEIVER SOFTWARE VERSION

The receiver firmware used was version 4.43 Service Pack 3

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APPLICANT: MOTOROLA SOLUTIONS, INC.

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DECLARATION OF CONFORMITY INFORMATION

The following FCC rules are applicable to product subject to the declaration of conformity process:

§ 2.1077 Compliance information

(a) If a product must be tested and authorized under a Declaration of Conformity, a compliance information statement shall be supplied with the product at the time of marketing or importation, containing the following information:

- (1) Identification of the product, e.g., name and model number;
- (2) A statement, similar to that contained in §15.19(a)(3) of this chapter, that the product complies with part 15 of this chapters; and
- (3) The identification, by name, address and telephone number, of the responsible party, as defined in §2.909. The responsible party for a Declaration of Conformity must be located within the United States.

...

(c) The compliance information statement shall be included in the user's manual or as a separate sheet.

§ 2.909 Responsible party

...

(c) In the case of equipment subject to authorization under the Declaration of Conformity procedure:

- (1) The manufacturer or, if the equipment is assembled from individual component parts and the resulting system is subject to authorization under a Declaration of Conformity, the assembler.
- (2) If the equipment, by itself, is subject to a Declaration of Conformity and that equipment is imported, the importer.
- (3) Retailers or original equipment manufacturers may enter into an agreement with the responsible party designated in paragraph (c)(1) or (c)(2) of this section to assume the responsibilities to ensure compliance of equipment and become the new responsible party.
- (4) If the radio frequency equipment is modified by any party not working under the authority of the responsible party, the party performing the modifications, if located within the U.S., or the importer, if the equipment is imported subsequent to the modifications, becomes the new responsible party.

...

Please find on the following page, a sample compliance information statement:

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SAMPLE DECLARATION OF CONFORMITY

The responsible party declares that this device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:	MOTOROLA SOLUTIONS, INC.
Address:	8000 WEST SUNRISE BLVD FT. LAUDERDALE FL 33322-9947 USA
Tel:	
Fax:	
Printed Name/Title:	
Signature:	
Product Description:	4 CH 900 MHZ FH RADIO
Model Name:	DLR1060 FCC ID: AZ489FT5870
Applicant:	MOTOROLA SOLUTIONS, INC.
Address:	8000 WEST SUNRISE BLVD FT. LAUDERDALE FL 33322-9947 USA
Report Number:	418UT15TestReport.docx
Date:	