

TIMCO ENGINEERING INC.

849 NW State Road 45
Newberry, Florida 32669
<http://www.timcoengr.com>
888.472.2424 F 352.472.2030 email: tei@timcoengr.com

FCC Test Report

FCC ID: AZ489FT5848

Applicant:

MOTOROLA, INC.
8000 WEST SUNRISE BLVD, MD: 1309
FT. LAUDERDALE FL 33322-9947 USA

APPLICANT: MOTOROLA, INC.
MODEL #: H83XAH6RR4AN
FCC ID: AZ489FT5848
REPORT #: V:\M\MOTOROLA_FLORIDA\40AUT6\40AUT6TestReport.doc

COVER SHEET

TIMCO ENGINEERING INC.

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A2LA ACCREDITED
A2LA CERT # 0955-01

APPLICANT: MOTOROLA, INC.

FCC ID: AZ489FT5848

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TEST EQUIPMENT LIST

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
3/10-Meter OATS	TEI	N/A	N/A	Listed 3/27/04	3/26/07
3-Meter OATS	TEI	N/A	N/A	Listed 1/13/03	1/12/06
Biconnical Antenna	Eaton	94455-1	1057	CAL 12/12/05	12/12/07
Biconnical Antenna	Eaton	94455-1	1096	CAL 8/17/04	8/17/06
Biconnical Antenna	Electro-Metrics	BIA-25	1171	CAL 4/29/05	4/29/07
Blue Tower Quasi-Peak Adapter	HP	85650A	2811A01279	CAL 4/13/05	4/13/07
Blue Tower RF Preselector	HP	85685A	2926A00983	CAL 9/5/05	9/5/07
Blue Tower Spectrum Analyzer	HP	8568B	2928A04729 2848A18049	CAL 4/13/05	4/13/07
LISN	Electro-Metrics	ANS-25/2	2604	CAL 8/27/04	8/27/06
LISN	Electro-Metrics	EM-7820	2682	CAL 4/28/05	4/28/07
Log-Periodic Antenna	Eaton	96005	1243	CAL 12/14/05	12/14/07

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TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of TIMCO ENGINEERING, INC.

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 using a 50uH LISN. Both lines were observed with the UUT transmitting. The bandwidth of the spectrum analyzer was 10kHz with an appropriate sweep speed. The ambient temperature of the UUT was 76°F with a humidity of 55%.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-2003 using a HEWLETT PACKARD spectrum analyzer with a pre-selector. The bandwidth (RBW) of the spectrum analyzer was 100kHz up to 1GHz and 1.0MHz above 1GHz with an appropriate sweep speed. The VBW above 1.0GHz was = 3.0MHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was 53°F with a humidity of 17%.

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RULES PART NUMBER: 15.247, 15.209, 15.205

REQUIREMENTS:

Field Strength of Fundamental: @3M 902-928 MHz 2.4-2.4835 GHz 94 dBuV/m @3m	Field Strength of Harmonics: 54 dBuV/m @3m	S15.209: 30 - 88 MHz 40 dBuV/m 88 - 216 MHz 43.5 216 - 960 MHz 46 ABOVE 960 MHz 54dBuV/m
--	--	--

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS, EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 dB BELOW THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

TEST DATA:

Tuned Frequency MHz	Emission Frequency MHz	Meter Reading dBuV	Ant. Pol.	Coax Loss dB	Antenna Correction Factor dB	Field Strength dBuV/m	Margin dB
2,402.0	2,402.00	58.6	H	3.18	29.19	61.78	32.22
2,402.0	2,402.00	58.7	V	3.18	29.19	61.88	32.12
2,441.0	2,441.00	58.5	V	3.21	29.23	61.71	32.29
2,441.0	2,441.00	60.6	H	3.21	29.23	63.81	30.19
2,480.0	2,480.00	58.3	V	3.24	29.26	61.54	32.46
2,480.0	2,480.00	60.8	H	3.24	29.26	64.04	29.96

EMISSIONS WERE CHECKED UP TO THE 10TH HARMONIC AND NO EMISSIONS WERE NOTED.

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APPLICANT: MOTOROLA, INC.

MODEL #: H83XAH6RR4AN
FCC ID: AZ489FT5848

NAME OF TEST: Occupied Bandwidth

RULES PART NO.: 15.247

REQUIREMENTS: The field strength of any emissions appearing outside the band edge above and below the band edges shall be attenuated 15.209, 15.205, and 15.247

THE FOLLOWING PLOTS REPRESENTS THE EMISSIONS TAKEN FOR THIS DEVICE.

METHOD OF MEASUREMENT: A small sample of the transmitter output was fed into the spectrum analyzer and the attached plot was printed. The vertical scale is set to -10 dBm per division.

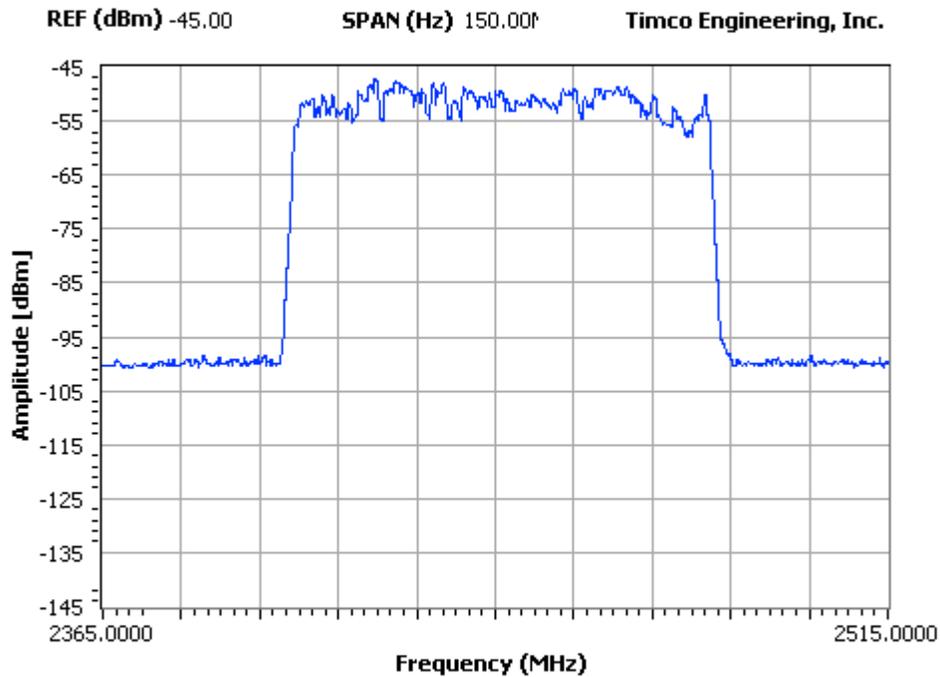
PERFORMED BY: RICAHRD BLOCK

DATE: 02/01/06

APPLICANT: MOTOROLA, INC.
MODEL #: H83XAH6RR4AN
FCC ID: AZ489FT5848
REPORT #: V:\M\MOTOROLA_FLORIDA\40AUT6\40AUT6TestReport.doc

OCCUPIED BANDWIDTH PLOT

NOTES:
 OCCUPIED BANDWIDTH
 MOTOROLA, INC FL
 FCC ID: AZ4 89FT5848



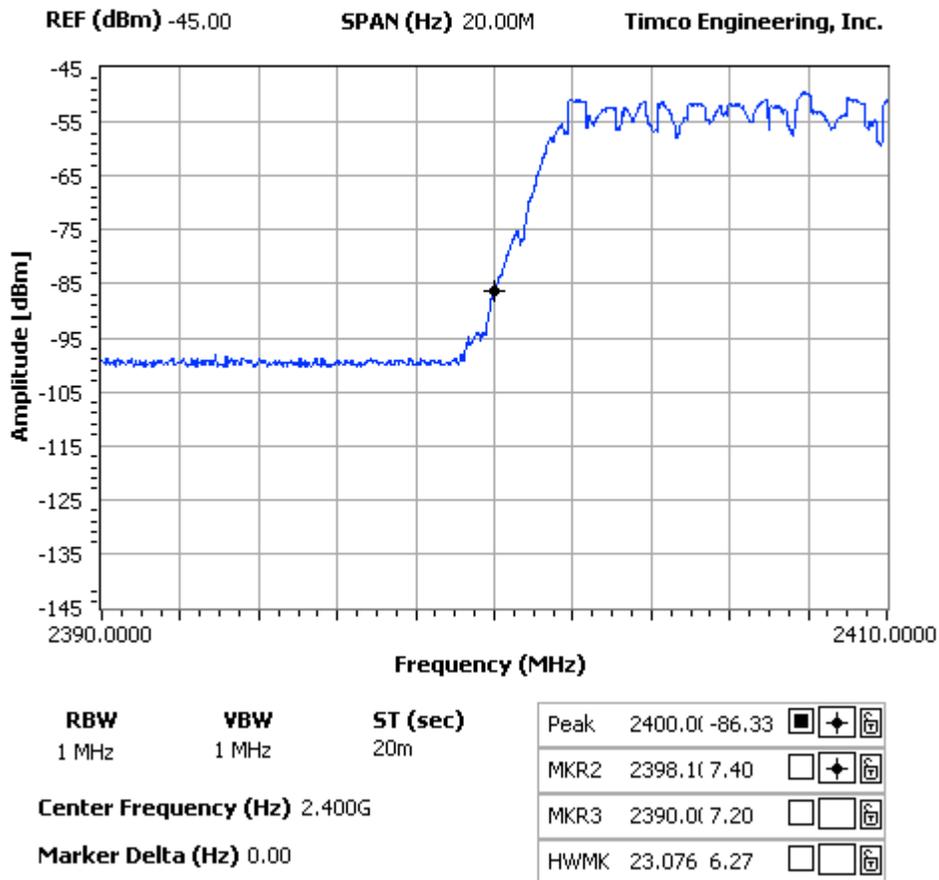
RBW	VBW	ST (sec)	Peak	2417.00	-47.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 MHz	1 MHz	20m	MKR2	2398.10	7.40	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Center Frequency (Hz) 2.440G			MKR3	2390.00	7.20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marker Delta (Hz) 0.00			HWMK	23.076	6.27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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LOWER RESTRICTED BAND PLOT

NOTES:

LOWER BAND EDGE
 MOTOROLA, INC FL
 FCC ID: AZ4 89FT5848



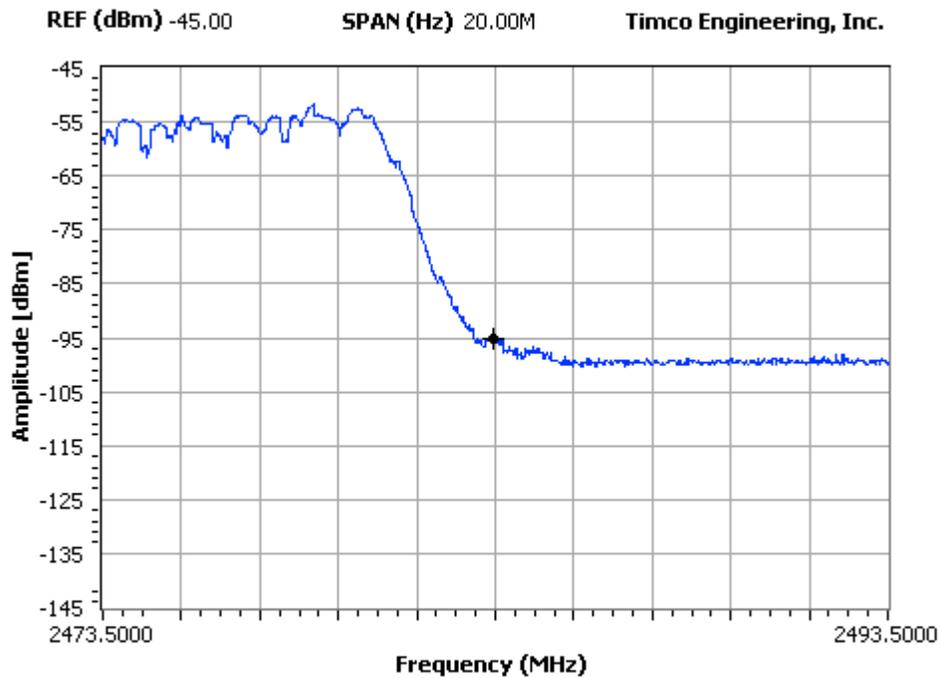
20.67 dBuV/m from plot
 3.18 dB coax loss
29.19 dB ACF
 53.04 dBuV/m Total

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UPPER RESTRICTED BAND PLOT

NOTES:

UPPER BAND EDGE
 MOTOROLA, INC FL
 FCC ID: AZ4 89FT5848



RBW	VBW	ST (sec)	Peak	2483.4	-95.18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 MHz	1 MHz	20m	MKR2	2398.1f	7.40	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			MKR3	2390.0f	7.20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HWMK	23.076	6.27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Center Frequency (Hz) 2.484G

Marker Delta (Hz) 0.00

11.82 dBuV/m from plot
 3.24 dB coax loss
29.26 dB ACF
 44.32 dBuV/m Total

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APPLICANT: MOTOROLA, INC.
FCC ID: AZ489FT5848
NAME OF TEST: POWER LINE CONDUCTED INTERFERENCE
RULES PART NO.: 15.207

REQUIREMENTS:	QUASI-PEAK	AVERAGE
.15 - 0.5 MHz	66-56 dBuV	56-46 dBuV
0.5 - 5.0	56	46
5.0 - 30.	60	50

TEST PROCEDURE: ANSI STANDARD C63.4-2003. The spectrum was scanned from .15 to 30 MHz.

THE ATTACHED GRAPHS REPRESENT THE EMISSIONS READ FOR POWERLINE CONDUCTED FOR THIS DEVICE.

PERFORMED BY: RICHARD BLOCK **DATE:** 01/18/2006

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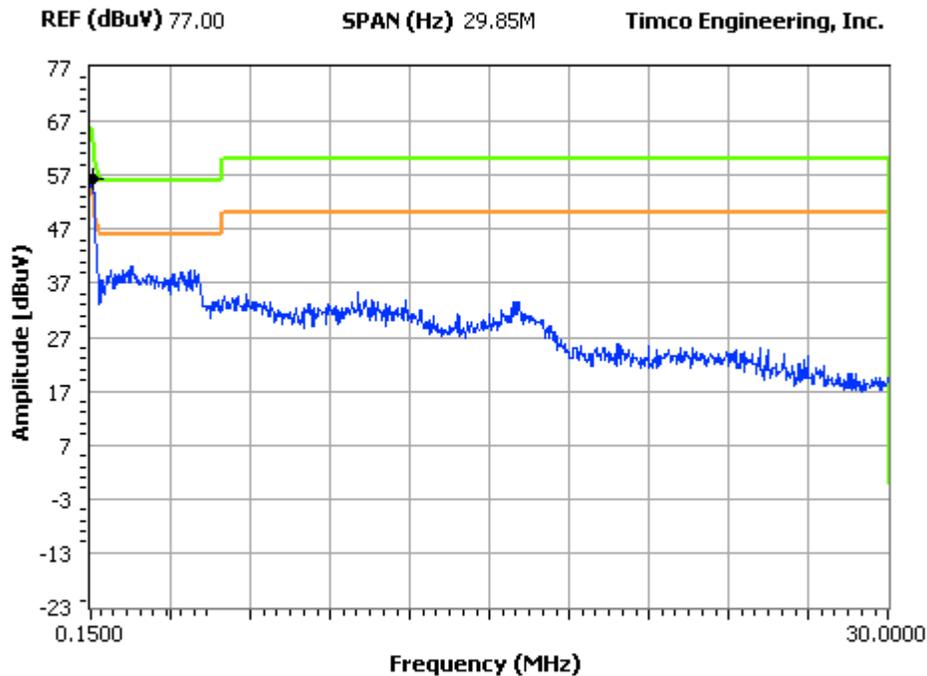
TEST

CONFIGURATION #1: TX DATA1 2402 MHz DH1

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 56.40 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	50.46	60.72	10.26	Quasi Peak

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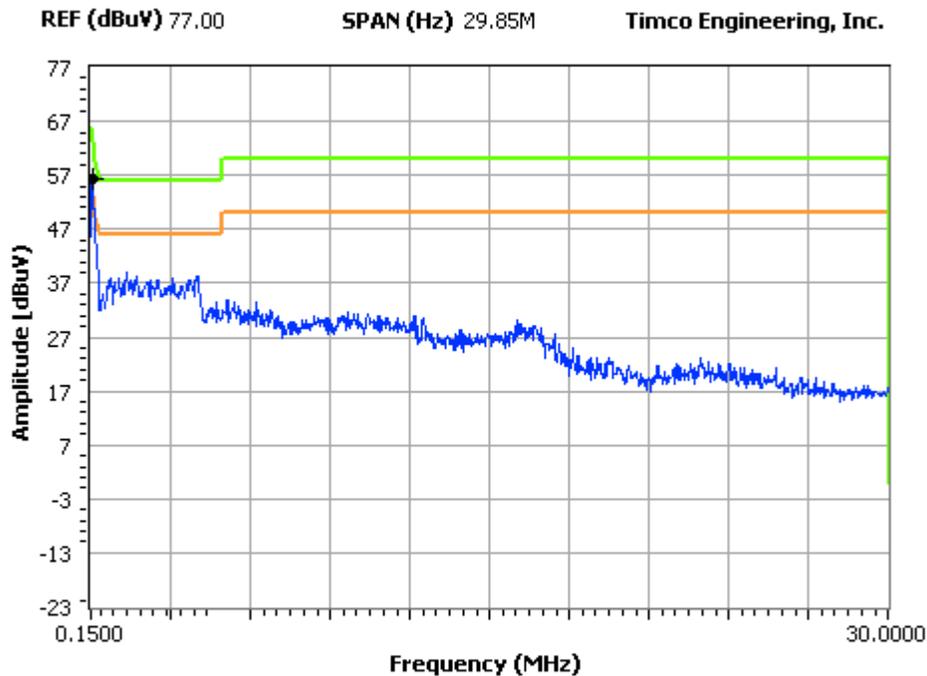
TEST

CONFIGURATION #1: TX DATA1 2402 MHz DH1

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 56.50 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	50.58	60.72	10.14	Quasi Peak

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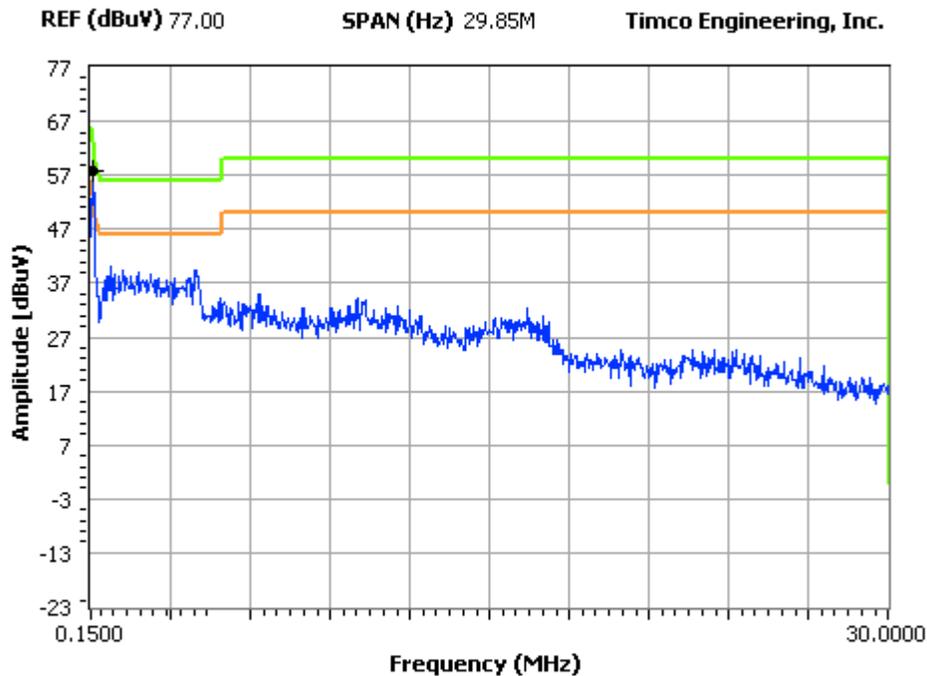
TEST

CONFIGURATION #2: TX DATA1 2402 MHz DH3

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 57.90 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.7	51.10	60.74	9.64	Quasi Peak
284.4	44.94	50.69	5.75	Average

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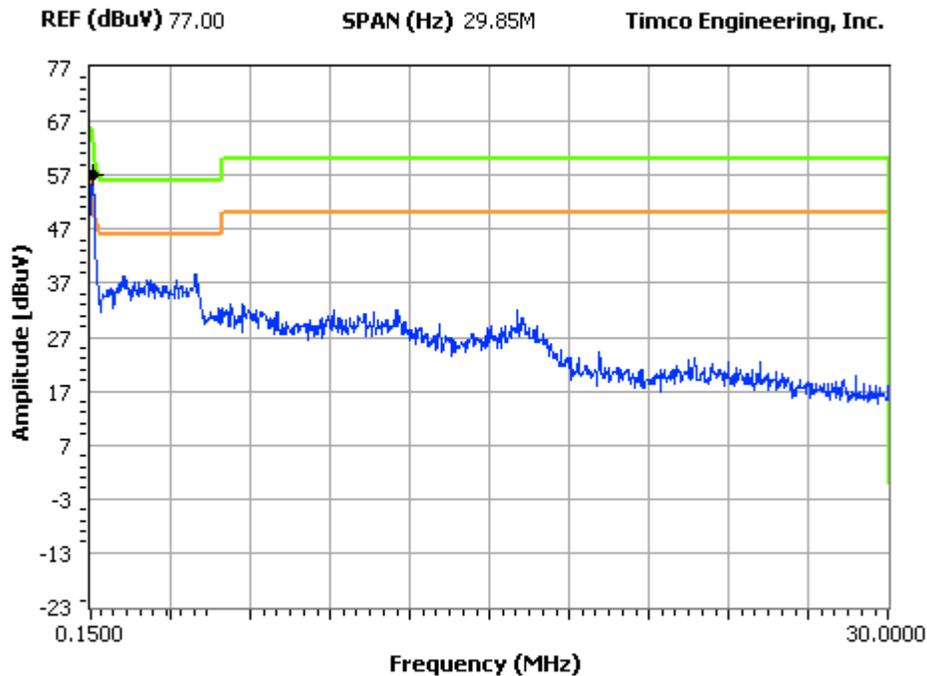
TEST

CONFIGURATION #2: TX DATA1 2402 MHz DH3

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 56.90 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	50.68	60.72	10.04	Quasi Peak

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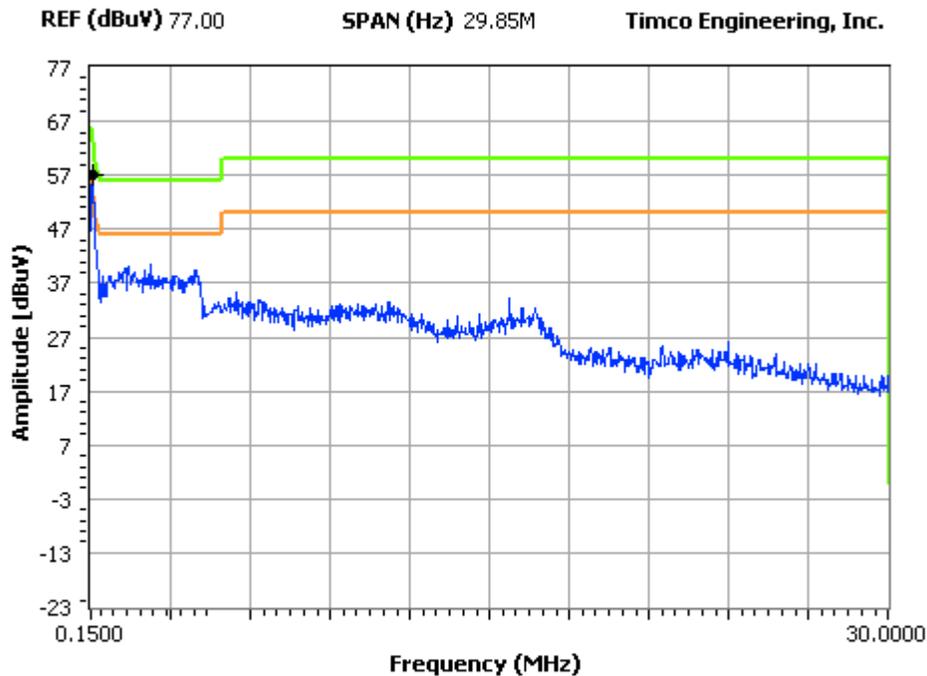
TEST

CONFIGURATION #3: TX DATA1 2402 MHz DH5

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH5

FCC 15.107 Mask Class B



REF (dBuV) 77.00 **SPAN (Hz)** 29.85M **Timco Engineering, Inc.**
RBW 10 kHz **VBW** 10 kHz **ST (sec)** 750m
Center Frequency (Hz) 15.075M
Marker Delta (Hz) 0.00

Peak	0.210	57.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MKR2	12.239	30.40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MKR3	0.150	54.80	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HWMK	23.076	6.27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	51.87	60.72	8.85	Quasi Peak
283.4	45.84	50.72	4.88	Average

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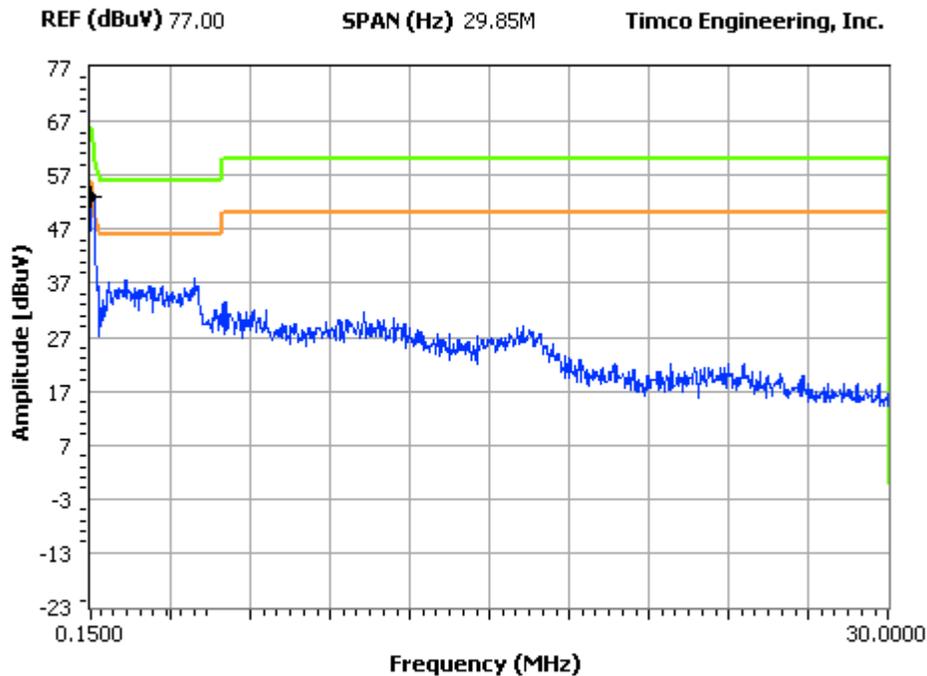
TEST

CONFIGURATION #3: TX DATA1 2402 MHz DH5

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.180 53.00 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	50.65	60.72	10.07	Quasi Peak

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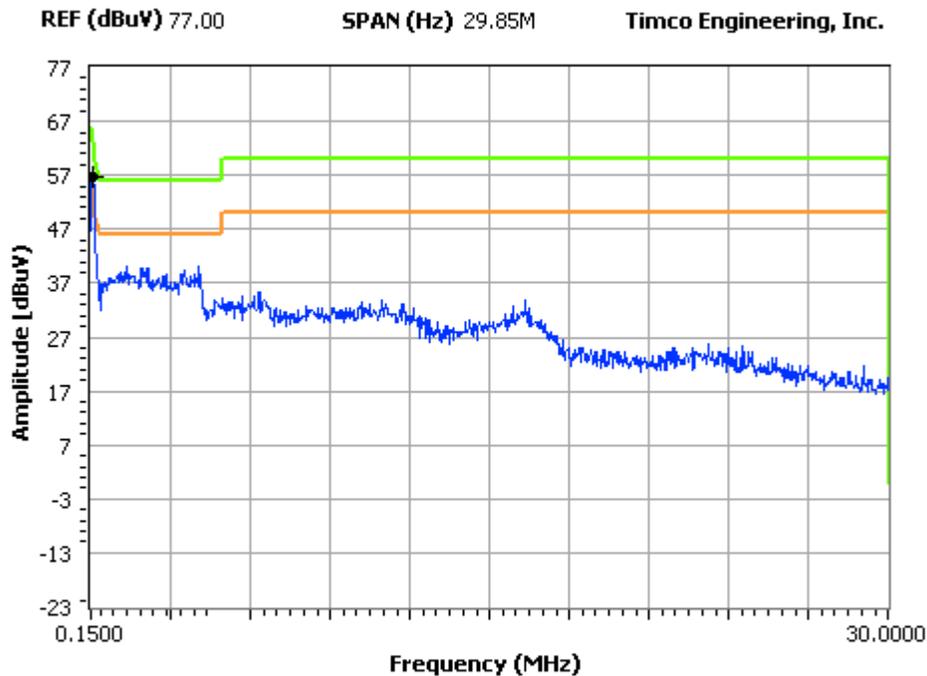
TEST

CONFIGURATION #4: TX DATA1 2441 MHz DH1

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2441 MHz DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 56.80 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	50.11	60.72	10.61	Quasi Peak

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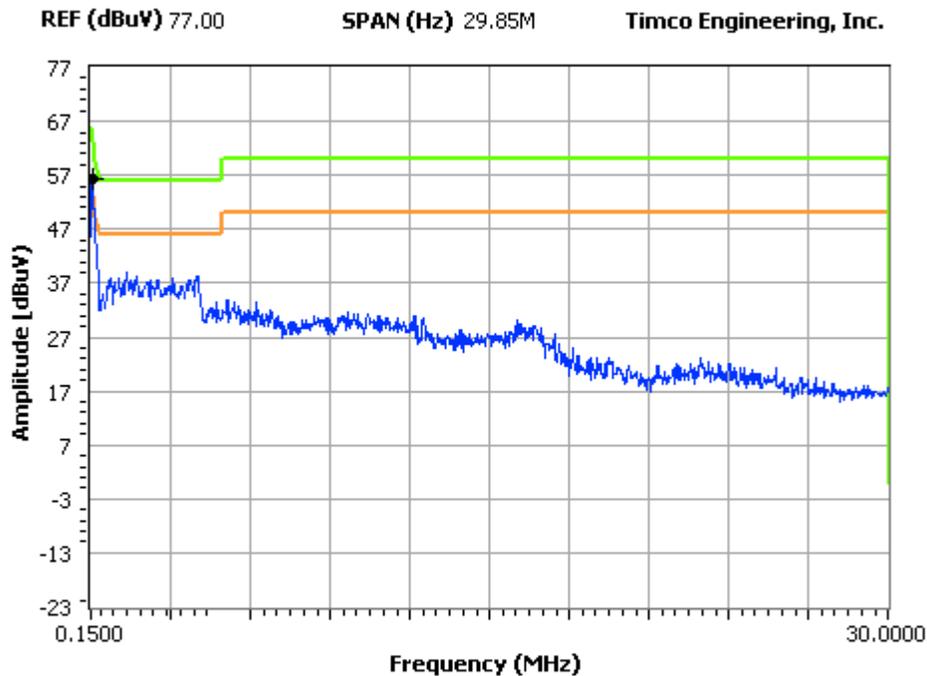
TEST

CONFIGURATION #4: TX DATA1 2441 MHz DH1

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2402 MHz DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 56.50 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.7	49.01	60.74	11.73	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
 REPORT #: V:\M\MOTOROLA_FLORIDA\40AUT6\40AUT6TestReport.doc

TIMCO ENGINEERING INC.

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 Newberry, Florida 32669
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 A2LA CERT # 0955-01

APPLICANT: MOTOROLA, INC.

FCC ID: AZ489FT5848

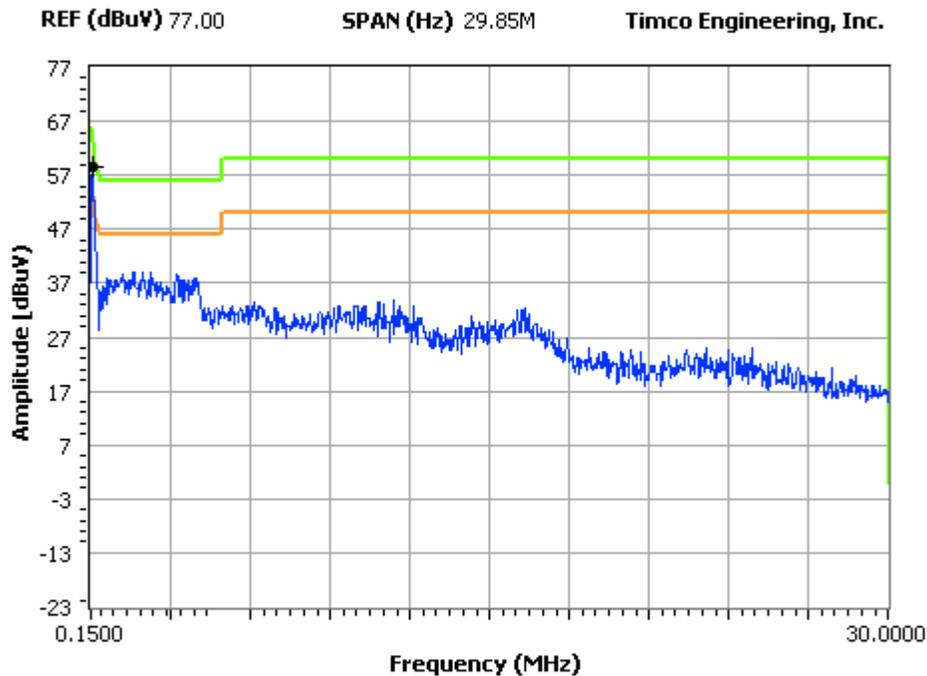
TEST

CONFIGURATION #5: TX DATA1 2441 MHz DH3

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2441 MHz DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 58.50 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
284.1	51.22	60.70	9.48	Quasi Peak
284.8	44.42	50.67	6.25	Average

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
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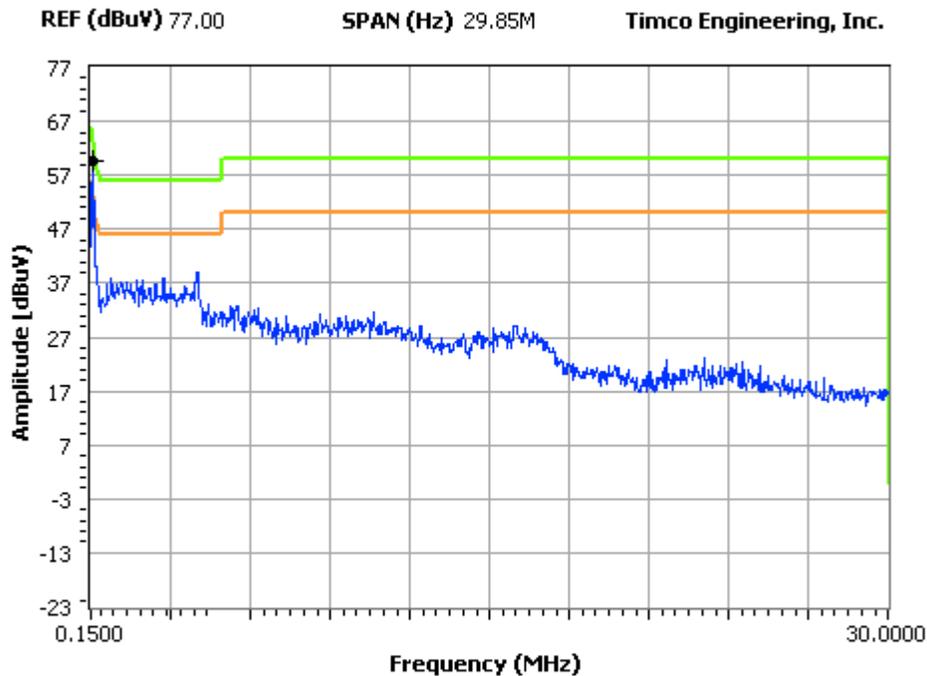
TEST

CONFIGURATION #5: TX DATA1 2441 MHz DH3

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2441 MHz DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 59.60 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
150.4	48.31	65.98	17.67	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
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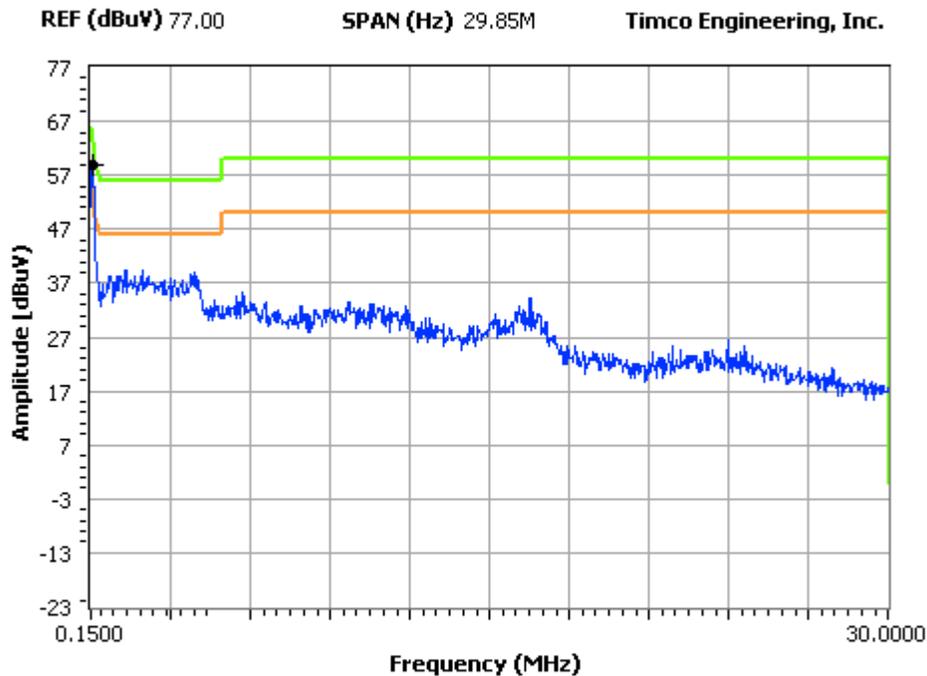
TEST

CONFIGURATION #6: TX DATA1 2441 MHz DH5

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2441 MHz DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 59.10 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
284.1	51.19	60.70	9.51	Quasi Peak
283.4	45.53	50.72	5.19	Average

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
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FCC ID: AZ489FT5848

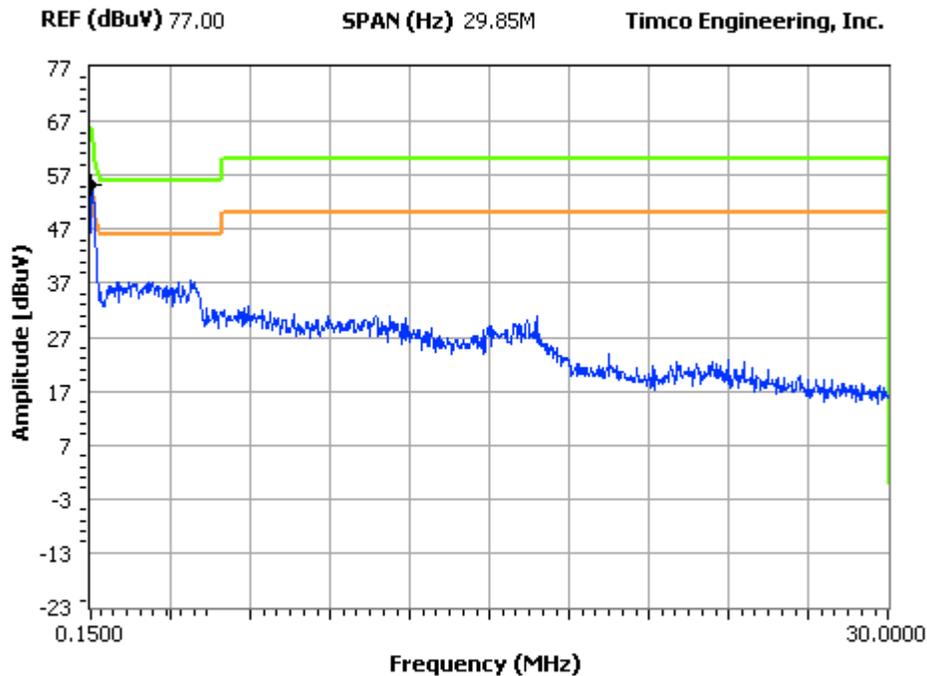
TEST

CONFIGURATION #6: TX DATA1 2441 MHz DH5

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2441 MHz DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.180 55.20 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 12.239 30.40 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.150 54.80 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.7	50.73	60.74	10.01	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
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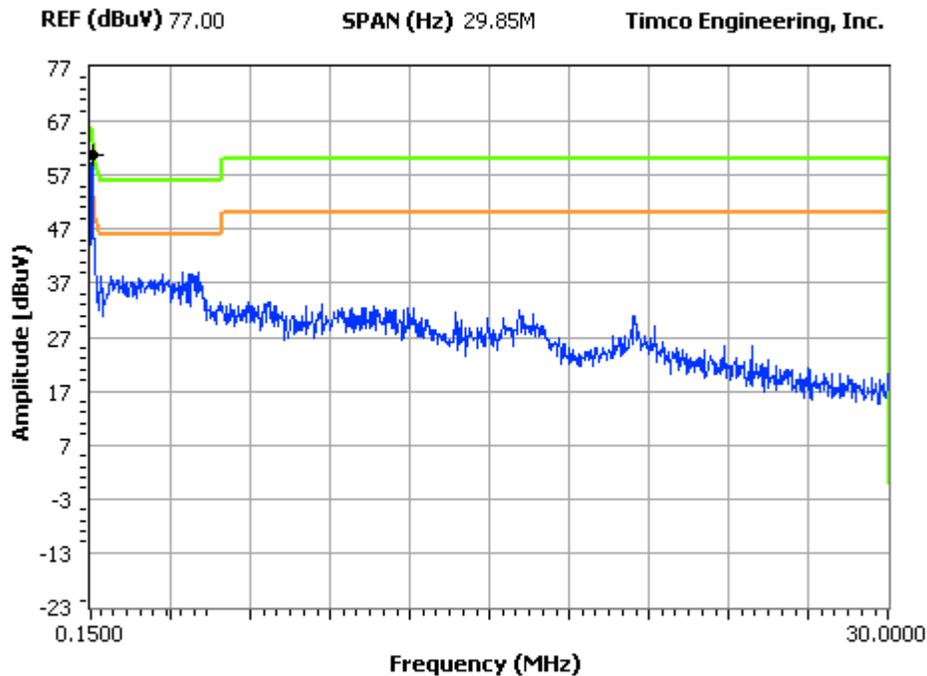
TEST

CONFIGURATION #7: TX DATA1 2480 MHz DH1

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2480 MHz DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 60.90 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.0	48.74	60.73	11.99	Quasi Peak

APPLICANT: MOTOROLA, INC.
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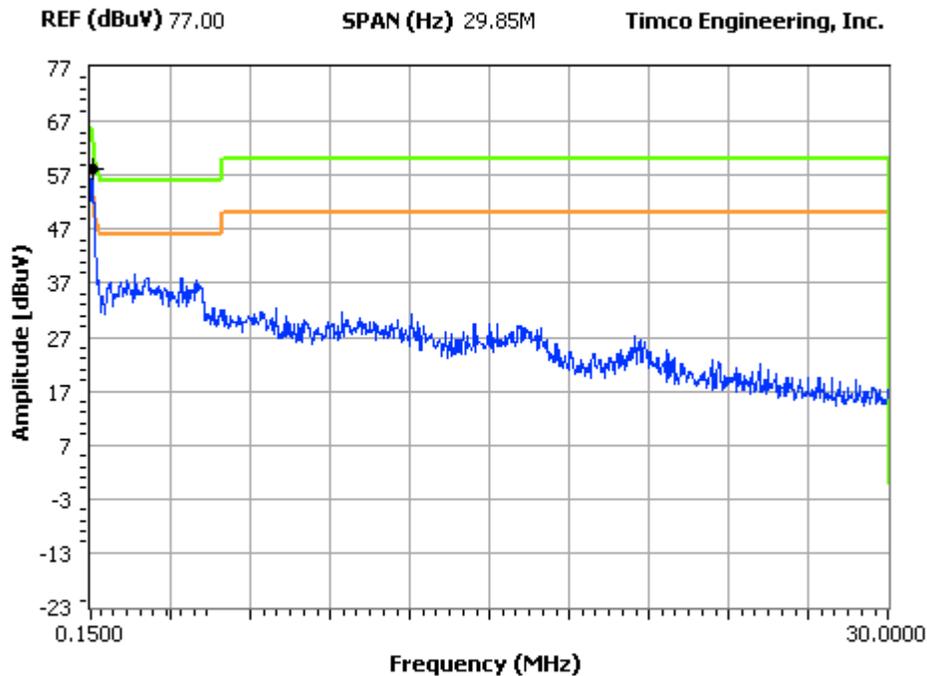
TEST

CONFIGURATION #7: TX DATA1 2480 MHz DH1

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2480 MHz DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 58.20 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.0	49.43	60.76	11.33	Quasi Peak

APPLICANT: MOTOROLA, INC.
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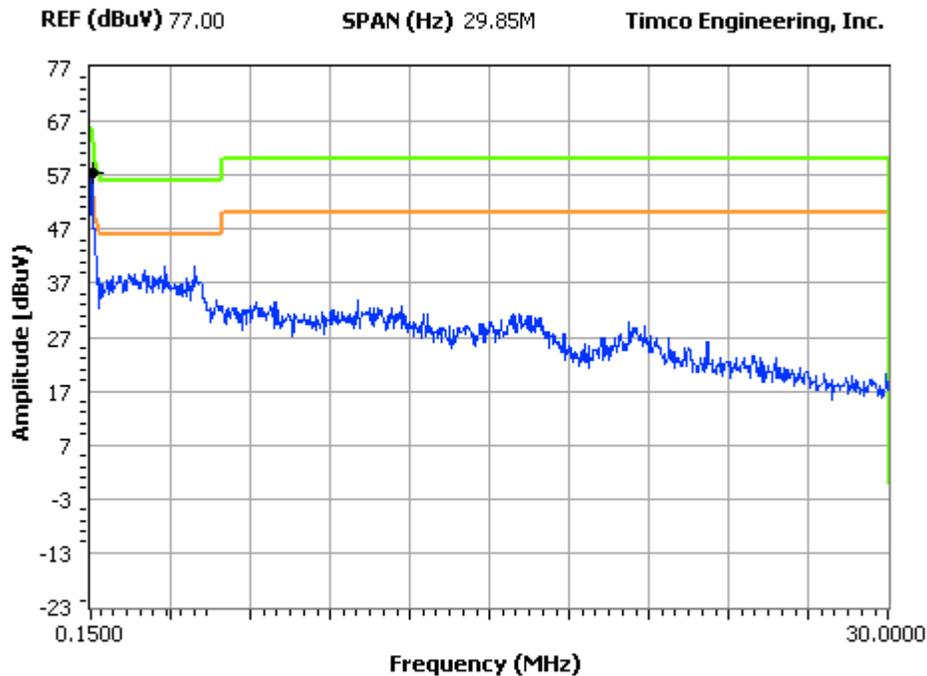
TEST

CONFIGURATION #8: TX DATA1 2480 MHz DH3

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2480 MHz DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 57.60 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
284.1	51.15	60.70	9.55	Quasi Peak
281.6	45.00	50.77	5.77	Average

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
 REPORT #: V:\M\MOTOROLA_FLORIDA\40AUT6\40AUT6TestReport.doc

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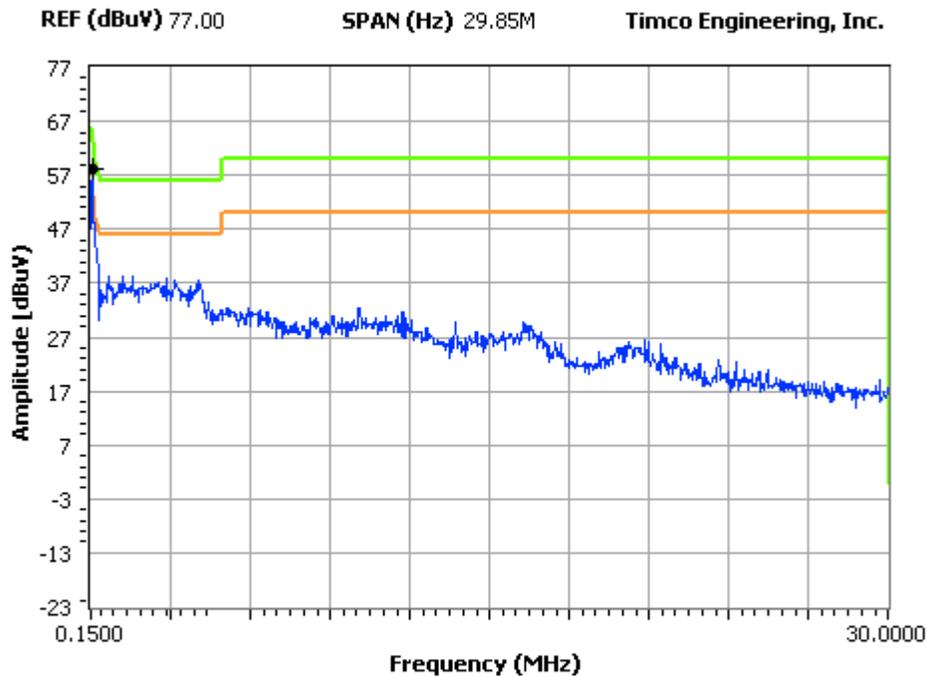
TEST

CONFIGURATION #8: TX DATA1 2480 MHz DH3

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2480 MHz DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 58.20 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
284.1	50.55	60.70	10.15	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
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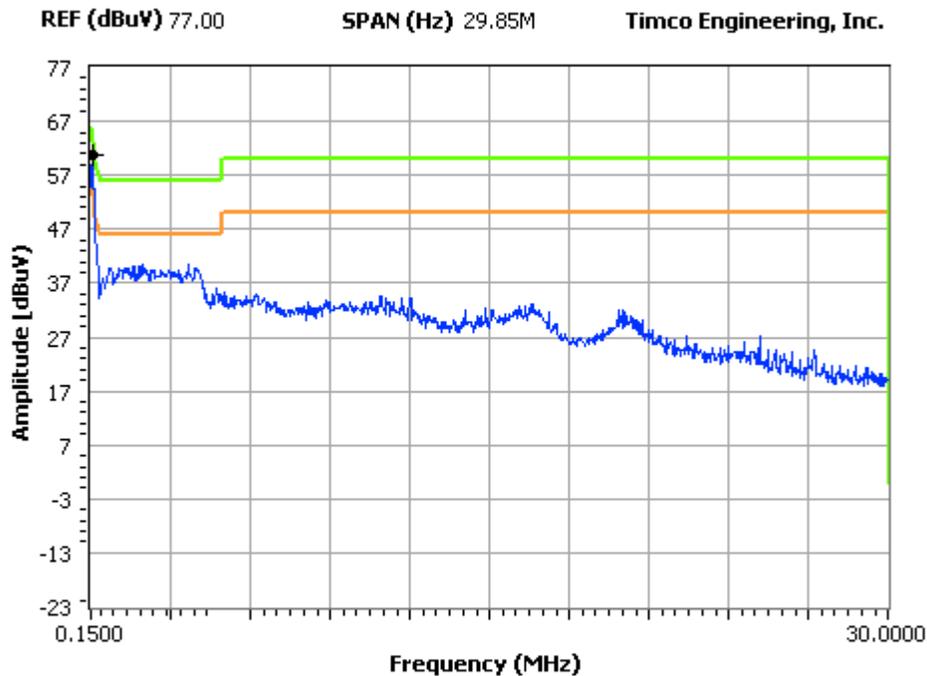
TEST

CONFIGURATION #9: TX DATA1 2480 MHz DH5

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA1 2480 MHz DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 60.80 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	51.53	60.72	9.19	Quasi Peak
284.4	45.34	50.69	5.35	Average

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
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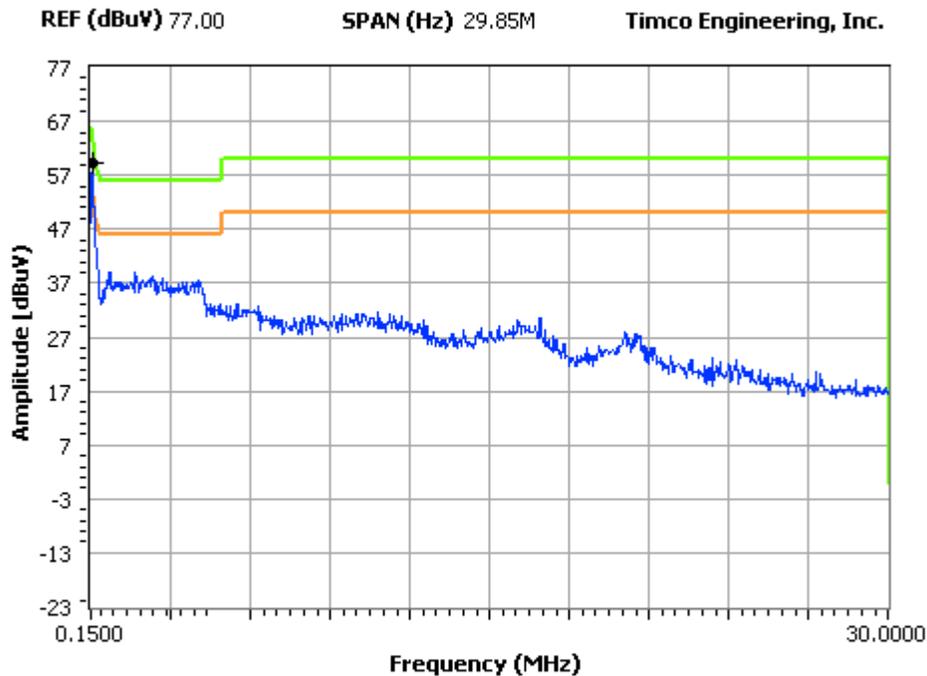
TEST

CONFIGURATION #9: TX DATA1 2480 MHz DH5

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA1 2480 MHz DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 59.20 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.3	50.49	60.75	10.26	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
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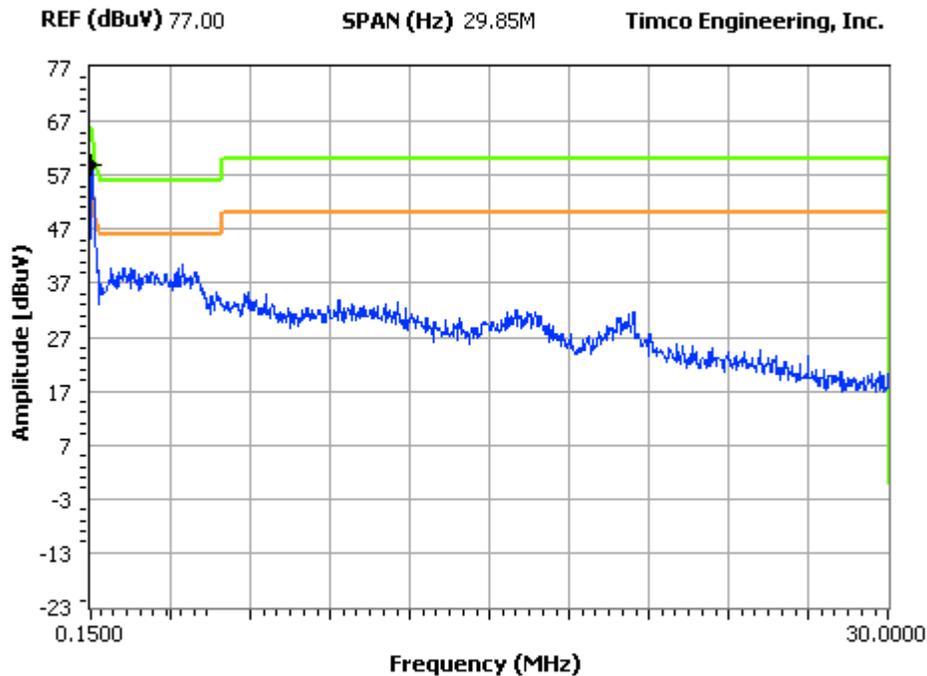
TEST

CONFIGURATION #10: TX DATA2 DH1

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA2 DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.180 58.80 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.3	49.87	60.75	10.88	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
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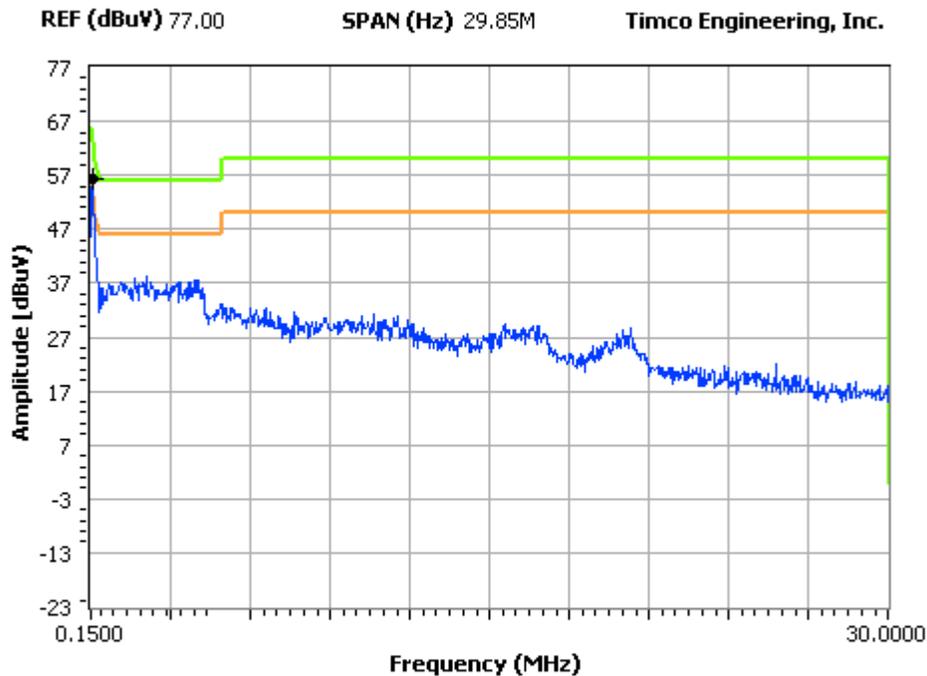
TEST

CONFIGURATION #10: TX DATA2 DH1

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA2 DH1

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 56.30 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
282.0	49.69	60.76	11.07	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
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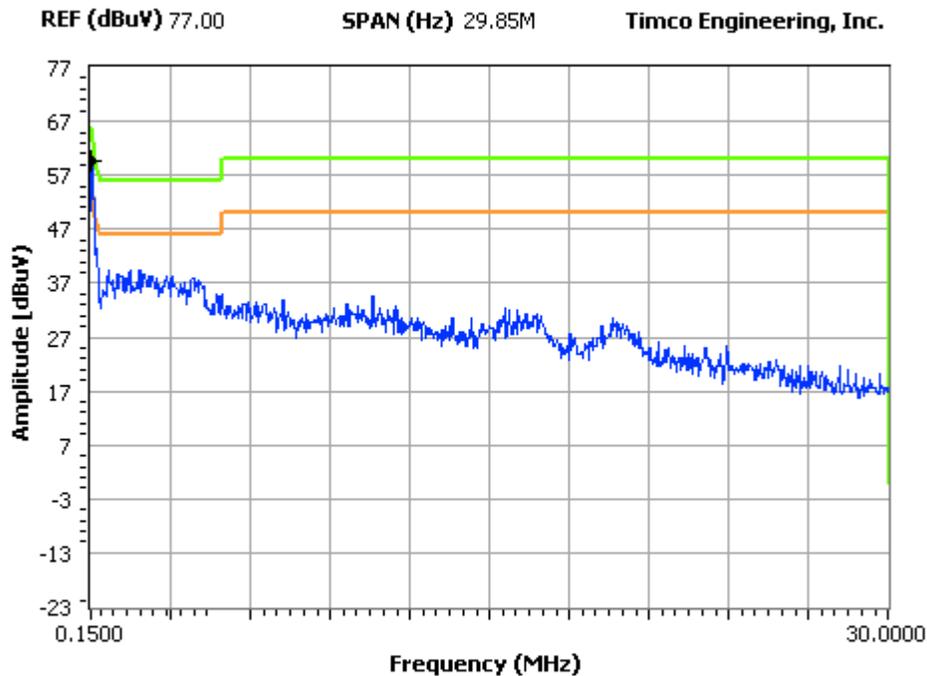
TEST

CONFIGURATION #11: TX DATA2 DH3

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA2 DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.180 59.50 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.7	51.53	60.71	9.18	Quasi Peak
283.0	49.20	50.73	1.53	Average

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
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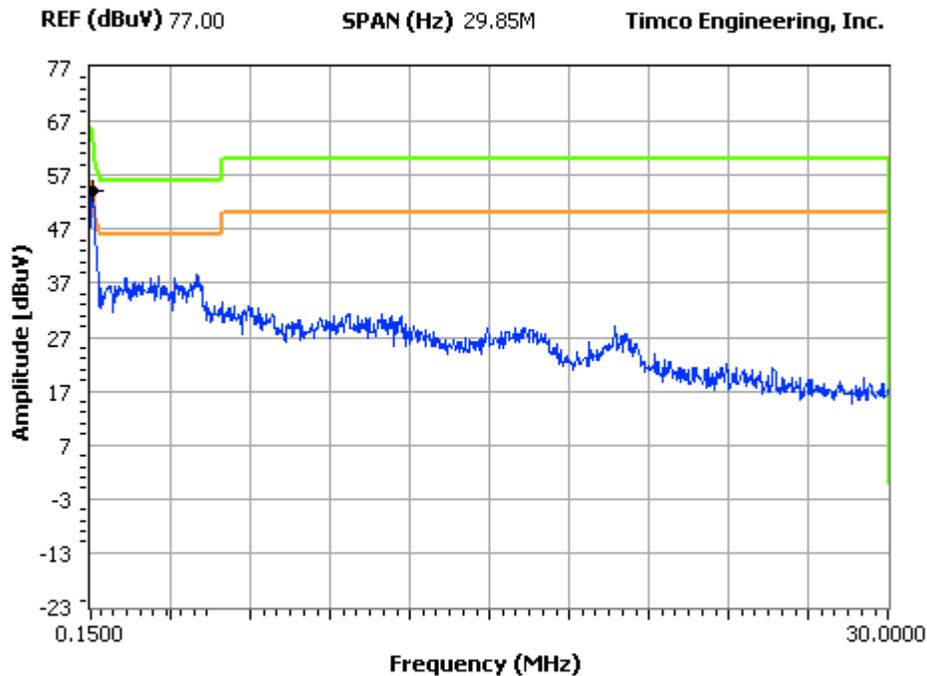
TEST

CONFIGURATION #11: TX DATA2 DH3

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA2 DH3

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 54.00 <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.0	50.70	60.73	10.03	Quasi Peak

APPLICANT: MOTOROLA, INC.
 MODEL #: H83XAH6RR4AN
 FCC ID: AZ489FT5848
 REPORT #: V:\M\MOTOROLA_FLORIDA\40AUT6\40AUT6TestReport.doc

TIMCO ENGINEERING INC.

849 NW State Road 45
 Newberry, Florida 32669
 http://www.timcoengr.com
 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

A2LA ACCREDITED
 A2LA CERT # 0955-01

APPLICANT: MOTOROLA, INC.

FCC ID: AZ489FT5848

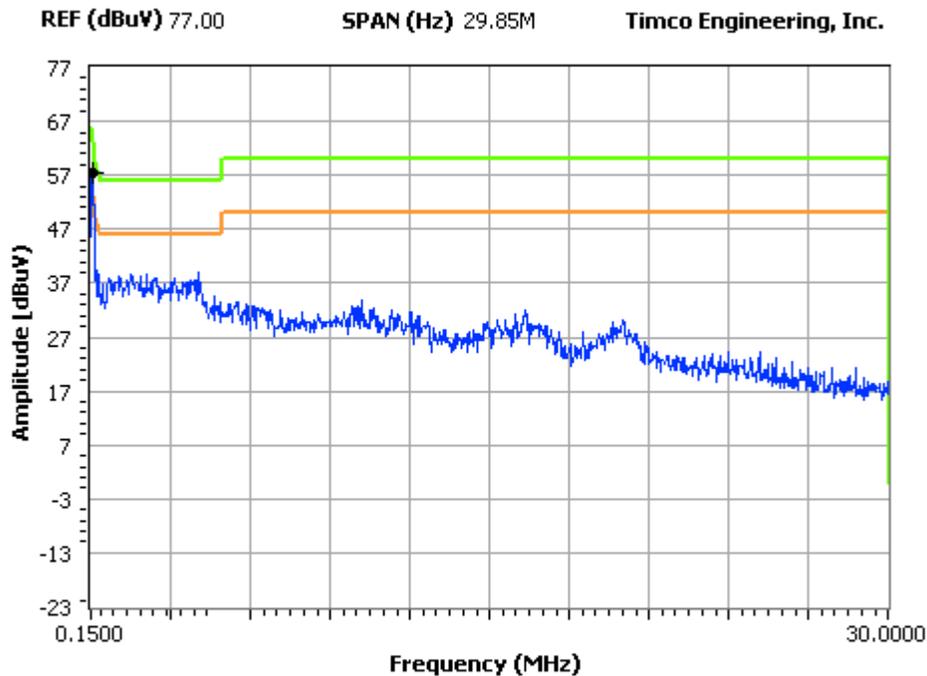
TEST

CONFIGURATION #12: TX DATA2 DH5

NOTES:

POWER LINE CONDUCTED -- LINE 1
 MOTOROLA, INC. FL
 TXDATA2 DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 57.30 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.7	51.35	60.71	9.36	Quasi Peak
284.4	45.74	50.69	4.95	Average

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APPLICANT: MOTOROLA, INC.

FCC ID: AZ489FT5848

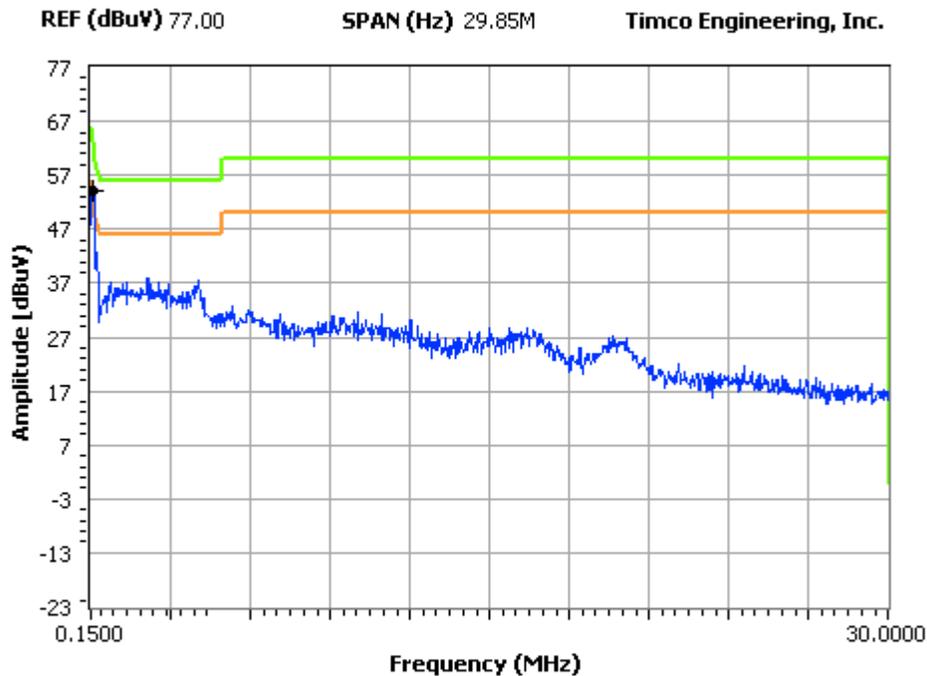
TEST

CONFIGURATION #12: TX DATA2 DH5

NOTES:

POWER LINE CONDUCTED -- LINE 2
 MOTOROLA, INC. FL
 TXDATA2 DH5

FCC 15.107 Mask Class B



RBW 10 kHz	VBW 10 kHz	ST (sec) 750m	Peak 0.210 54.30 <input checked="" type="checkbox"/> <input type="checkbox"/>
Center Frequency (Hz) 15.075M			MKR2 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/>
Marker Delta (Hz) 0.00			MKR3 0.000 0.00 <input type="checkbox"/> <input type="checkbox"/>
			HWMK 23.076 6.27 <input type="checkbox"/> <input type="checkbox"/>

Frequency (kHz)	Corrected Emission Level (dBuV)	AV/QP Limit (dBuV)	Margin (dB)	Detector
283.4	50.27	60.72	10.45	Quasi Peak

APPLICANT: MOTOROLA, INC.
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A2LA CERT # 0955-01

POWERLINE CONDUCTED EMISSIONS TEST SET UP PHOTO



APPLICANT: MOTOROLA, INC.

MODEL #: H83XAH6RR4AN

FCC ID: AZ489FT5848

REPORT #: V:\M\MOTOROLA_FLORIDA\40AUT6\40AUT6TestReport.doc