MOTOROLA MOBILITY, EME Laboratories

Extension of Dipole Calibration Interval

)-1954, Rev.3

Dipole SN: 436tr

Date of last external calibration: 3/18/2011

External calibration performed by: SPEAG

	Original Calibration Data: 3/18/2011	1st Extension Internal Verification: 3/8/2012	2nd Extension Internal Verification: 1/4/2013	Accept / Reject
Return loss (dB): *Verify < -20dB & within 20% of original*	-31.1	-36.7	-26.7	?
Impedance, Real (Ω): *Verify within +/-5 Ω of original*	51.4	50.4	51.9	?
Impedance, Imaginary (Ω): *Verify within +/-5 Ω of original*	-2.5	-1.3	-4.2	?

Conclusion:

Based on the requirements of KDB 865664 D01 SAR Measurement Requirements for 100MHz to 6GHz, it has been concluded that the dipole identified above has qualified for extension of its calibration interval for one additional year.

This review shall be repeated annually, but not to exceed a maximum 3 years from the most recent manufacturer's calibration.

First Extension Period:

Approved extension period: **1 Year**

Previous due date: 3/18/2012

NEW DUE DATE: **3/18/2013**

2 years from date of last external calibration

Authorized by: Marge Kaunas

Second Extension Period:

Approved extension period: **1 Year**

Previous due date: 3/18/2013

NEW DUE DATE: **3/18/2014**

3 years from date of last external calibration

MOTOROLA MOBILITY, EME Laboratories

Extension of Dipole Calibration Interval

FCD-1954, Rev.3

Dipole SN: 422tr

Date of last external calibration: 3/18/2011

External calibration performed by: SPEAG

	Original Calibration Data: 3/18/2011	1st Extension Internal Verification: 3/8/2012	2nd Extension Internal Verification: 1/4/2013	Accept / Reject
Return loss (dB): *Verify < -20dB & within 20% of original*	-26.9	-23	-27.4	Accept
Impedance, Real (Ω): *Verify within +/-5 Ω of original*	53.3	55	51.9	Accept
Impedance, Imaginary (Ω): *Verify within +/-5 Ω of original*	3.3	3.2	-1.6	Accept

Conclusion:

Based on the requirements of KDB 865664 D01 SAR Measurement Requirements for 100MHz to 6GHz, it has been concluded that the dipole identified above has qualified for extension of its calibration interval for one additional year.

This review shall be repeated annually, but not to exceed a maximum 3 years from the most recent manufacturer's calibration.

First Extension Period:

Approved extension period: **1 Year**

Previous due date: 3/18/2012

NEW DUE DATE: **3/18/2013**

2 years from date of last external calibration

Authorized by: Marge Kaunas

Second Extension Period:

Approved extension period: **1 Year**

Previous due date: 3/18/2013

NEW DUE DATE: **3/18/2014**

3 years from date of last external calibration

MOTOROLA MOBILITY, EME Laboratories

Extension of Dipole Calibration Interval

FCD-1954, Rev.3

Dipole SN: 2d190

Date of last external calibration: 1/5/2012

External calibration performed by: SPEAG

	Original Calibration Data: 1/5/2012	1st Extension Internal Verification: 1/8/2013	2nd Extension Internal Verification: <date>	Accept / Reject
Return loss (dB): *Verify < -20dB & within 20% of original*	-25.3	-26.4	-	Accept
Impedance, Real (Ω): *Verify within +/-5 Ω of original*	48.3	51.5	-	Accept
Impedance, Imaginary (Ω): *Verify within +/-5 Ω of original*	-5.1	-4.6	-	Accept

Conclusion:

Based on the requirements of KDB 865664 D01 SAR Measurement Requirements for 100MHz to 6GHz, it has been concluded that the dipole identified above has qualified for extension of its calibration interval for one additional year.

This review shall be repeated annually, but not to exceed a maximum 3 years from the most recent manufacturer's calibration.

First Extension Period:

Approved extension period: **1 Year**

Previous due date: 1/5/2013

NEW DUE DATE: **1/5/2014**

2 years from date of last external calibration

Authorized by: Marge Kaunas

Second Extension Period:

Approved extension period: **1 Year**

Previous due date:

NEW DUE DATE:

3 years from date of last external calibration

MOTOROLA MOBILITY, EME Laboratories

Extension of Dipole Calibration Interval

FCD-1954, Rev.2

Dipole SN: 259tr

Date of last external calibration: 10/20/2011

External calibration performed by: SPEAG

		1st Extension	2nd Extension	
	Original Calibration Data: 10/20/2011	Internal Verification: 10/16/2012	Internal Verification: <date>	Accept / Reject
Return loss (dB): *Verify < -20dB & within 20% of original*	-24.7	-26.6	-	Accept
Impedance, Real (Ω): *Verify within +/-5 Ω of original*	49.1	49.3	-	Accept
Impedance, Imaginary (Ω): *Verify within +/-5 Ω of original*	-5.7	-2.4	-	Accept

Conclusion:

Based on the requirements of KDB 50824 D02 Dipole SAR Validation Veritification v01, it has been concluded that the dipole identified above has qualified for extension of its calibration interval for one additional year. This review shall be repeated annually, but not to exceed a maximum 3 years from the most recent manufacturer's calibration.

First Extension Period:

Approved extension period: **1 Year**

Previous due date: 10/20/2012

NEW DUE DATE: **10/20/2013**

2 years from date of last external calibration

Authorized by: Marge Kaunas

Second Extension Period:

Approved extension period: **1 Year**

Previous due date:

NEW DUE DATE:

3 years from date of last external calibration

MOTOROLA MOBILITY, EME Laboratories

Extension of Dipole Calibration Interval

FCD-1954, Rev.3

Dipole SN: 740

Date of last external calibration: 2/7/2012

External calibration performed by: SPEAG

	Original Calibration Data: 2/7/2012	1st Extension Internal Verification: 1/8/2013	2nd Extension Internal Verification: <date>	Accept / Reject
Return loss (dB): *Verify < -20dB & within 20% of original*	-28.9	-27.3	-	Accept
Impedance, Real (Ω): *Verify within +/-5 Ω of original*	52.2	54.4	-	Accept
Impedance, Imaginary (Ω): *Verify within +/-5 Ω of original*	2.9	1.01	-	Accept

Conclusion:

Based on the requirements of KDB 865664 D01 SAR Measurement Requirements for 100MHz to 6GHz, it has been concluded that the dipole identified above has qualified for extension of its calibration interval for one additional year.

This review shall be repeated annually, but not to exceed a maximum 3 years from the most recent manufacturer's calibration.

First Extension Period:

Approved extension period: **1 Year**

Previous due date: 2/7/2013

NEW DUE DATE: **2/7/2014**

2 years from date of last external calibration

Authorized by: Marge Kaunas

Second Extension Period:

Approved extension period: **1 Year**

Previous due date:

NEW DUE DATE:

3 years from date of last external calibration