

# **MOTOROLA CPEo25400 RESIDENTIAL OUTDOOR SUBSCRIBER UNIT FCC CERTIFICATION REPORT**

**Motorola, Inc.  
1475 West Shure Dr,  
Arlington Heights, IL, 60004, USA**

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# Section 1

# Cover Letter

To Whom It May Concern:

This report is being submitted to the Federal Communications Commission for the certification of equipment pursuant to the requirements found in 47 CFR Telecommunication CHAPTER I FEDERAL COMMUNICATIONS COMMISSION, Parts 0, 1, 2, 15, and 27 as published in the Federal Register on Feb 11<sup>th</sup>, 2008.

The product listed in this filing has been tested in accordance with the requirements contained in the appropriate FCC Rules and Regulations. To the best of my knowledge, the tests completed for this certification submission were performed using measurement procedures consistent with accepted FCC and industry procedures and demonstrates that this equipment complies with the appropriate regulatory requirements. I hereby certify that this application was prepared under my direction and that to the best of my knowledge and belief, the facts set forth in this application and accompanying technical data are true and correct.

Motorola Model Number: CPEo25400

Regards,  
Hung Tsang  
Section Manager RF Engineering  
Motorola, Inc.

## Report Summary

Section	Contents
1	Cover Letter
2	Label Location
3	EUT Photos (Parts A, B, and C)
4	Test Report (Parts A, B)
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9	Schematic Diagrams (Parts A, and B)
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11	Technical Description
12	DoC Attestation

## Test Report Summary FCC Part 27

47CFR Rule Part	Requirement	Test Result
1.1310 / 2.1091 / 27.52	Radio Frequency Radiation Exposure Limits / Evaluation: Mobile devices	Pass
2.1046 27.50(h)(2)	RF Output Power - User Station	Pass
2.1047 27.53(m)	Modulation Characteristics	Pass
2.1049 27.53(m)	Occupied Bandwidth	Pass
2.1051	Spurious Emissions at Antenna Terminals	Pass
2.1053	Field Strength of Spurious Radiation	Pass
2.1055 / 27.54	Frequency Stability	Pass

## FCC Requirements Check List

FCC Rule Part	Description	Response
0.457	Records not routinely available for public inspection	Section 7
0.459	Requests that materials or information submitted to the Commission be withheld from public inspection.	Section 7
Part 27 "Application for Certification" requirements		
2.947	Measurement procedure:	Sections 4, 6
2.1033(c)	Technical Report Required	Sections 4, 6
2.1033(c)1	Name / Address of Manufacturer / Applicant	Motorola, Inc., 1475 West Shure Dr, Arlington Heights, IL, 60004
2.1033(c)2	FCC identifier.	PHX-CPE25400
2.1033(c)3	Manual(s) / Literature	Section 5
2.1033(c)4	Type or types of emission.	27.53(l): Digital OFDMA / 4M48W7D OFDMA / 9M20W7D
2.1033(c)5	Frequency range.	2496 – 2690 MHz
2.1033(c)6	Power Range	0.000025 – 0.5 Watts Sections 4, 11
2.1033(c)7	Maximum power rating	Section 4
2.1033(c)8	DC voltages and DC currents	Sections 8, 9
2.1033(c)9	Tune-up procedure	Section 10
2.1033(c)10	Schematic diagram and descriptions	Sections 9, 11
2.1033(c)11	Labels	Section 2
2.1033(c)12	Photographs	Section 3
2.1033(c)13	Technical Description	Section 11
2.1033(c)14	2.1046 through 2.1057 data	Sections 4
2.1033(c)15	External power amplifier	Not applicable
2.1033(c)16	AM broadcast	Not applicable
2.1033(c)17	Composite system	Not applicable
2.1033(c)18	Software Defined	Not applicable
2.1033(d)	Part 20 hearing aid compatible	Not applicable
2.1033(e)	A single application / composite system	Not applicable