



PHOTO LAYOUT

Ingenium Project Number: JCEAQ1132

EMC Testing of:
Primex Wireless, Model 72XR Command Point Amplifier

Prepared for:
Primex Wireless, Incorporated
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Test Date(s):
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In accordance with:
U.S. Code of Federal Regulation, Title 47, part 2 and Part 90

*All results of this report relate only to the items that were tested.
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TABLE OF FIGURES

FIGURE 1: BLOCK DIAGRAM OF THE EQUIPMENT AND INTERCONNECTIONS.....	3
FIGURE 2: FRONT VIEW OF THE 72XR POWER AMPLIFIER (EXPOSED TO END-USER).....	4
FIGURE 3: REAR VIEW OF THE 72XR POWER AMPLIFIER (NOT EXPOSED TO END-USER).....	4
FIGURE 4: THE 72XR POWER AMPLIFIER PORT CONNECTIONS, SHOWING 'RF IN' AND 'RF OUT' TYPE N(F) CONNECTIONS, THE DB-9 MONITORING PORT, AND DC POWER SOURCE HARDWIRED CONNECTIONS (NOT EXPOSED TO THE END-USER).....	4
FIGURE 5: THE COMMAND POINT 72XR SYSTEM, AS PRESENTED TO THE END-USER (INCLUDES THE POWER AMPLIFIER) FRONT VIEW.....	5
FIGURE 6: THE COMMAND POINT 72XR SYSTEM, AS PRESENTED TO THE END-USER (INCLUDES THE POWER AMPLIFIER) REAR VIEW.....	5
FIGURE 7: THE EUT SETUP DURING RF OUTPUT POWER MEASUREMENTS.	6
FIGURE 8: THE EUT SETUP DURING OCCUPIED BANDWIDTH TESTS.....	7
FIGURE 9: THE EUT SETUP DURING BAND-EDGE MEASUREMENTS.....	8
FIGURE 10: THE EUT SETUP DURING SPURIOUS RF EMISSIONS MEASUREMENTS.....	9
FIGURE 11: THE EUT SETUP DURING CARRIER STABILITY MEASUREMENTS.	10
FIGURE 12: THE EUT SETUP DURING RADIATED EMISSIONS TESTS, WITH EXCITER AS RF SOURCE: VIEW AS SEEN FROM THE SENSE ANTENNA.	11
FIGURE 13: THE EUT SETUP DURING RADIATED EMISSIONS TESTS, WITH TERMINATED RF SOURCE: VIEW AS SEEN FROM THE SENSE ANTENNA.	11
FIGURE 14: THE EUT SETUP DURING RADIATED EMISSIONS TESTS, WITH EXCITER AS RF SOURCE: CLOSE UP VIEW OF THE FRONT OF THE EUT.	12
FIGURE 15: THE EUT SETUP DURING RADIATED EMISSIONS TESTS, WITH EXCITER AS RF SOURCE: REAR OF THE EUT SHOWING PLACEMENT OF TERMINATING LOAD.....	12
FIGURE 16: THE EUT SETUP DURING RADIATED EMISSIONS TESTS, WITH TERMINATED RF SOURCE: CLOSE UP VIEW OF THE FRONT OF THE EUT.	13
FIGURE 17: THE EUT SETUP DURING RADIATED EMISSIONS TESTS, WITH TERMINATED RF SOURCE: REAR OF THE EUT SHOWING PLACEMENT OF TERMINATING LOAD.....	13
FIGURE 18: ANTENNA AND SOURCE SUBSTITUTION METHOD, WITH SUBSTITUTION ANTENNA IN HORIZONTAL POLARIZATION.	14
FIGURE 19: ANTENNA AND SOURCE SUBSTITUTION METHOD, WITH SUBSTITUTION ANTENNA IN VERTICAL POLARIZATION.	14
FIGURE 20: THE EUT SETUP DURING CONDUCTED RF EMISSIONS TESTS ONTO AC MAINS.....	15

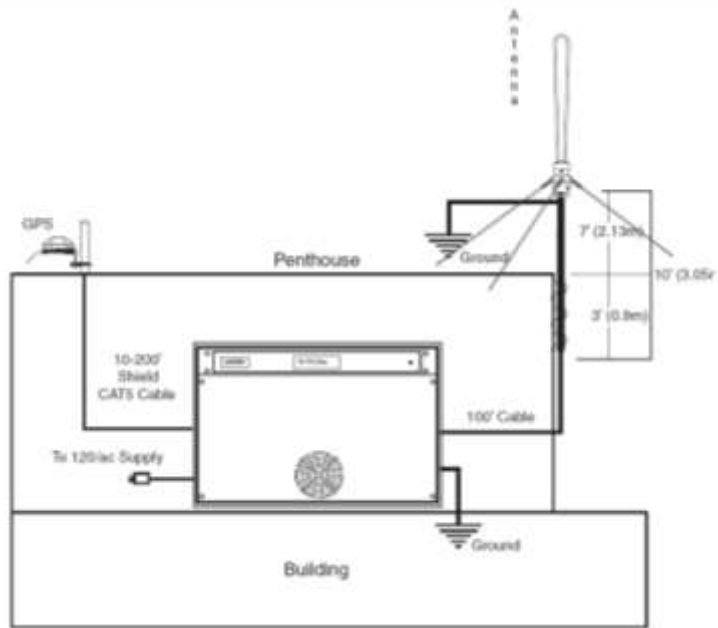


Figure 1: Block diagram of the Equipment and interconnections.



Figure 2: Front view of the 72XR power amplifier (exposed to end-user)



Figure 3: Rear view of the 72XR power amplifier (not exposed to end-user)

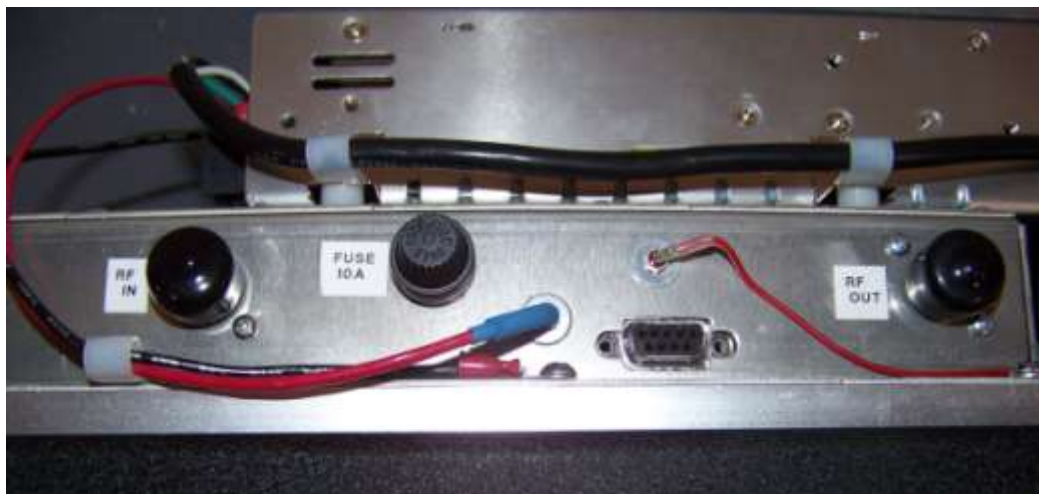


Figure 4: The 72XR power amplifier port connections, showing 'RF IN' and 'RF OUT' type N(F) connections, the DB-9 monitoring port, and DC power source hardwired connections (not exposed to the end-user)

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 4 of 15



Figure 5: The Command Point 72XR System, as presented to the end-user (includes the power amplifier) Front view.



Figure 6: The Command Point 72XR System, as presented to the end-user (includes the power amplifier) Rear view.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 5 of 15



Figure 7: The EUT setup during RF Output Power Measurements.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 6 of 15



Figure 8: The EUT setup during Occupied Bandwidth tests.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 7 of 15



Figure 9: The EUT setup during Band-Edge Measurements.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 8 of 15



Figure 10: The EUT setup during Spurious RF Emissions Measurements.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 9 of 15



Figure 11: The EUT setup during Carrier stability measurements.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 10 of 15

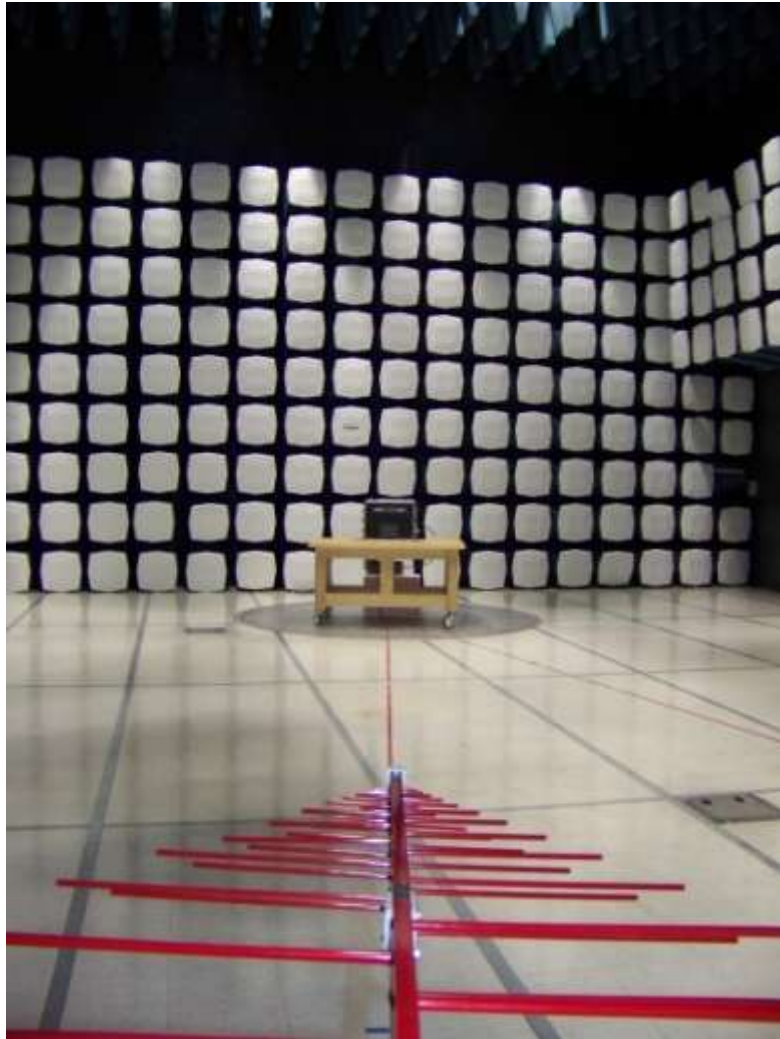


Figure 12: The EUT setup during radiated emissions tests, with Exciter as RF source: view as seen from the sense antenna.

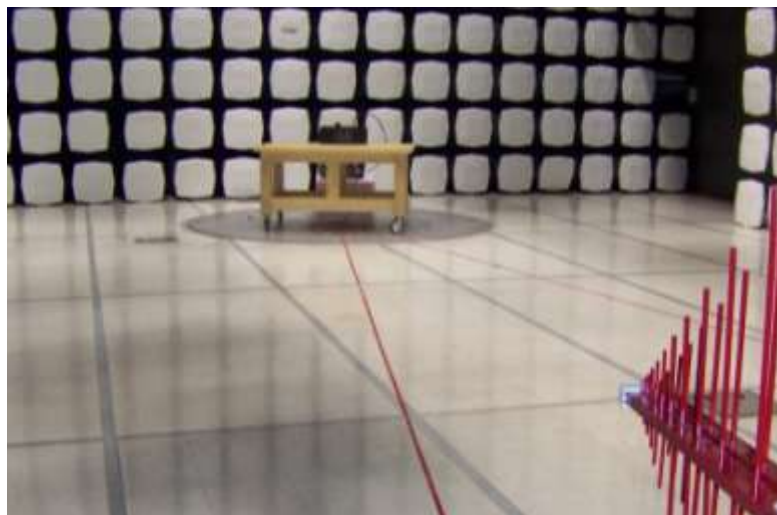


Figure 13: The EUT setup during radiated emissions tests, with terminated RF source: view as seen from the sense antenna.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 11 of 15

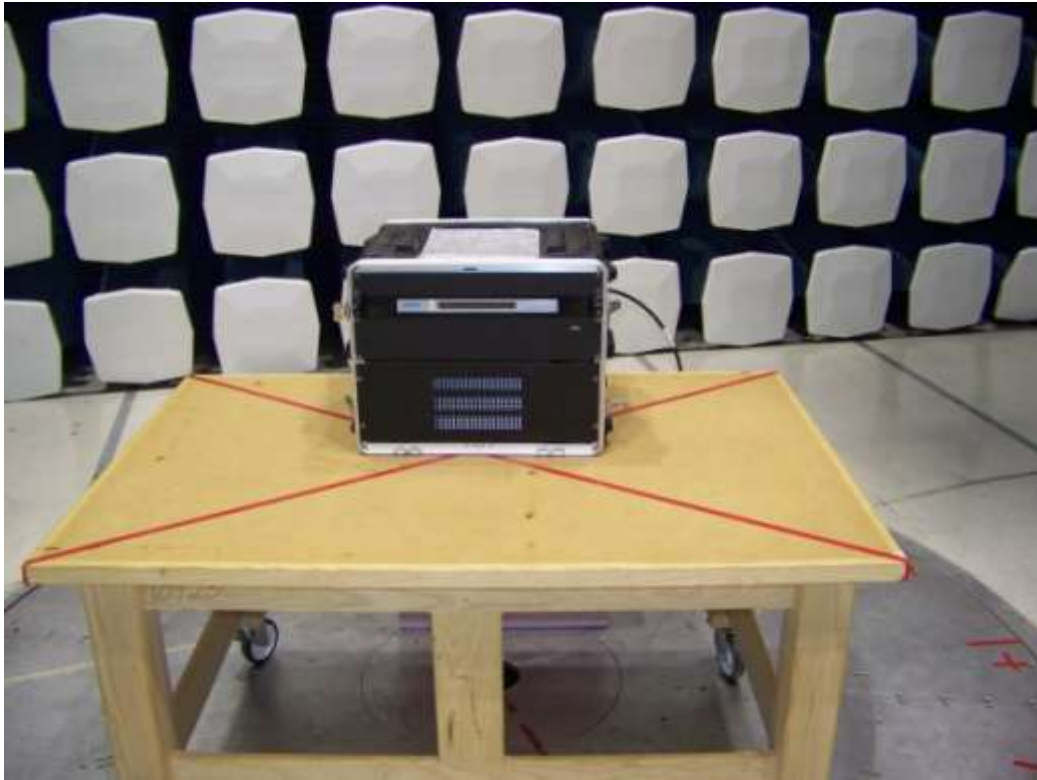


Figure 14: The EUT setup during radiated emissions tests, with Exciter as RF source: close up view of the front of the EUT.

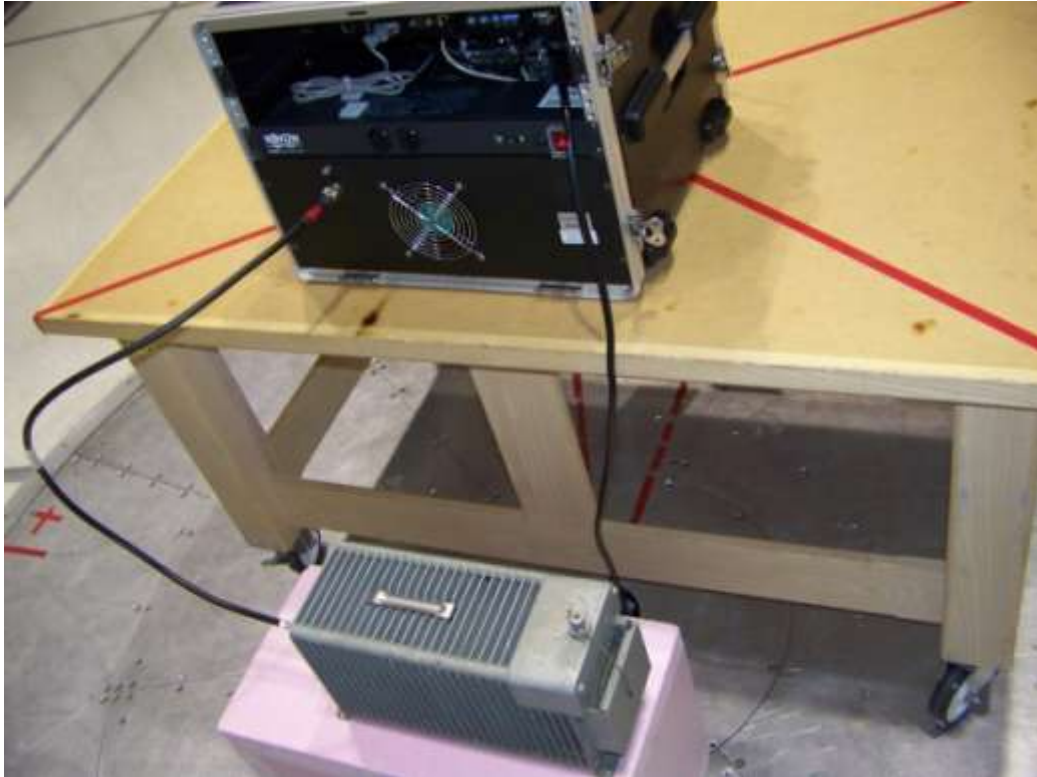


Figure 15: The EUT setup during radiated emissions tests, with Exciter as RF source: Rear of the EUT showing placement of terminating load.

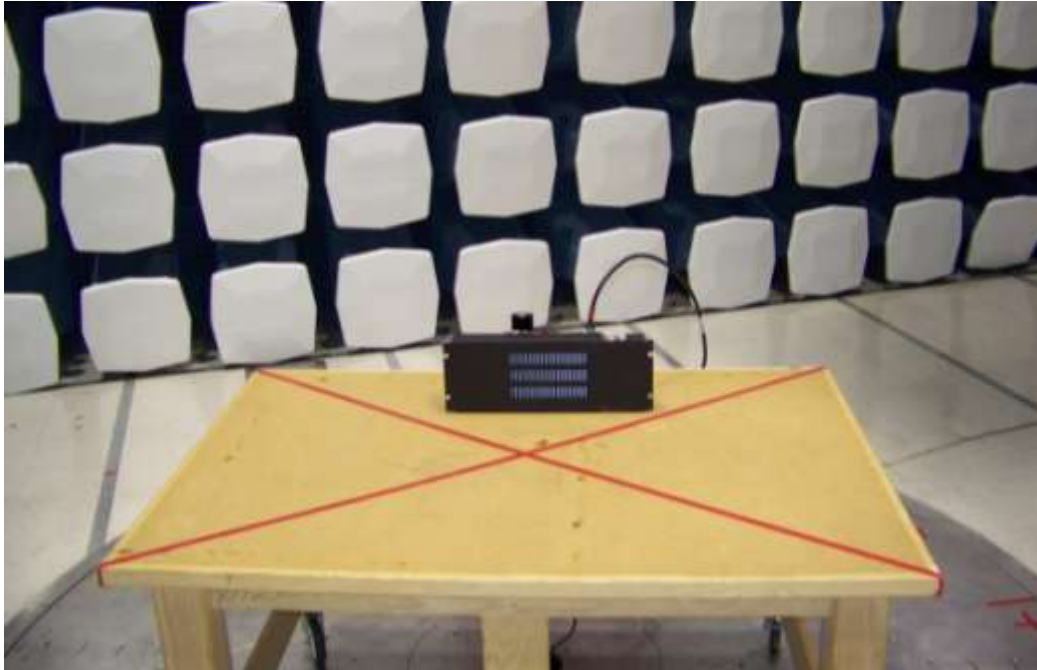


Figure 16: The EUT setup during radiated emissions tests, with terminated RF source: close up view of the front of the EUT.

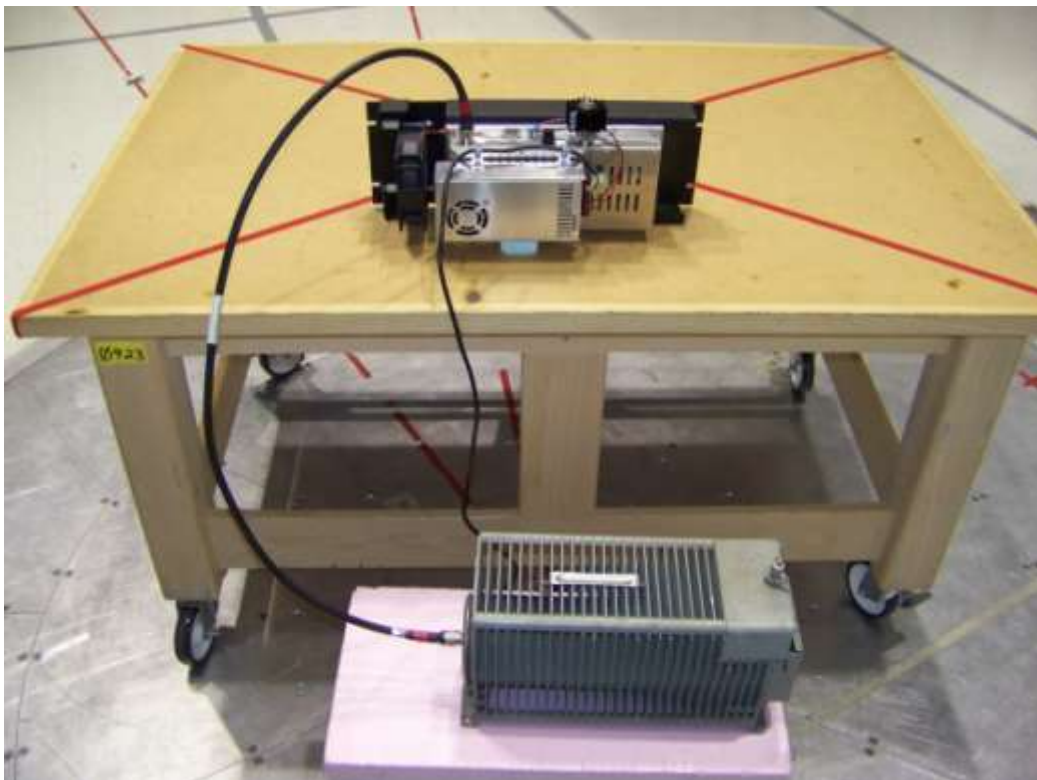


Figure 17: The EUT setup during radiated emissions tests, with terminated RF source: Rear of the EUT showing placement of terminating load.

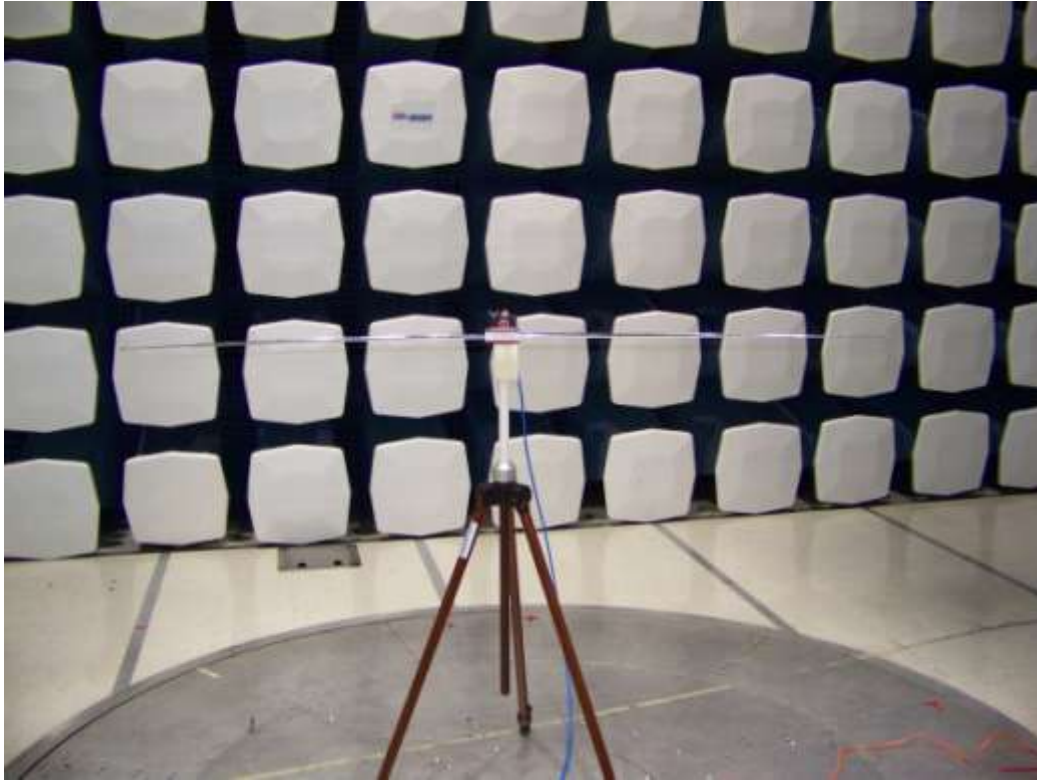


Figure 18: Antenna and source substitution method, with substitution antenna in horizontal polarization.

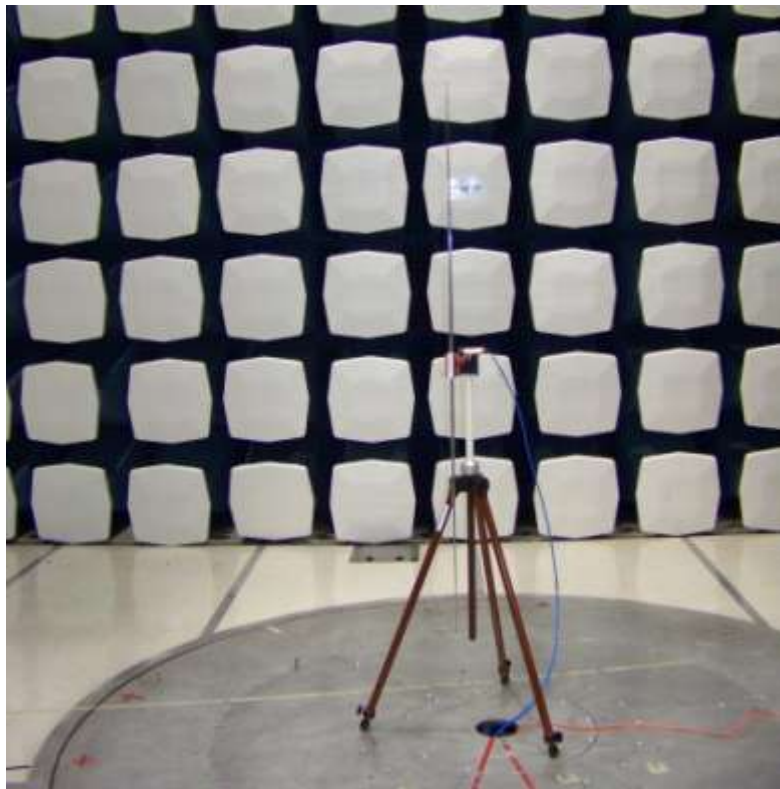


Figure 19: Antenna and source substitution method, with substitution antenna in vertical polarization.



Figure 20: The EUT setup during Conducted RF Emissions tests onto AC Mains.

Prepared For:	Primex Wireless, Incorporated	
Test Report #:	JCEAQ1132 Primex 72XR v0_1 PHOTO LAYOUT ONLY	Page 15 of 15