



MET Laboratories, Inc. *Safety Certification - EMI - Telecom Environmental Simulation*

914 WEST PATAPSCO AVENUE • BALTIMORE, MARYLAND 21230-3432 • PHONE (410) 354-3300 • FAX (410) 354-3313

33439 WESTERN AVENUE • UNION CITY, CALIFORNIA 94587 • PHONE (510) 489-6300 • FAX (510) 489-6372

3162 BELICK STREET • SANTA CLARA, CA 95054 • PHONE (408) 748-3585 • FAX (510) 489-6372

13301 MCCALLEN PASS • AUSTIN, TX 78753 • PHONE (512) 287-2500 • FAX (512) 287-2513

April 17, 2013

Meru Networks, Inc.
894 Ross Dr.
Sunnyvale, CA 94089

Dear Rajendran Chary,

Enclosed is the EMC Wireless test report for compliance testing of the Meru Networks, Inc., AP832e as tested to the requirements of Title 47 of the CFR, Ch. 1 (10-1-06 ed.), Part 15, Subpart B and ICES-003, Issue 5 August 2012 for a Class B Digital Device, and FCC Part 15 Subpart C and RSS-210, Issue 8, Dec. 2010 for Intentional Radiators.

Thank you for using the services of MET Laboratories, Inc. If you have any questions regarding these results or if MET can be of further service to you, please feel free to contact me.

Sincerely yours,
MET LABORATORIES, INC.

Jennifer Warnell
Documentation Department

Reference: (\Meru Networks, Inc.\EMCS37430A-FCC247 Rev. 4)

Certificates and reports shall not be reproduced except in full, without the written permission of MET Laboratories, Inc.

Electromagnetic Compatibility Criteria Test Report

for the

**Meru Networks, Inc.
AP832e**

Tested under
the FCC Certification Rules
contained in
Title 47 of the CFR, Parts 15 Subpart B & ICES-003
for Class B Digital Devices
&
15.247 Subpart C & RSS-210, Issue 8, Dec. 2010
for Intentional Radiators

MET Report: EMCS37430A-FCC247 Rev. 4

April 17, 2013

Prepared For:

**Meru Networks, Inc.
894 Ross Dr.
Sunnyvale, CA 94089**

Prepared By:
MET Laboratories, Inc.
3162 Belick St.
Santa Clara, CA 95054

Electromagnetic Compatibility Criteria Test Report

for the

Meru Networks, Inc.
AP832e

Tested under
the FCC Certification Rules
contained in
Title 47 of the CFR, Parts 15 Subpart B & ICES-003
for Class B Digital Devices
&
15.247 Subpart C & RSS-210, Issue 8, Dec. 2010
for Intentional Radiators



Jonathan Chao, Project Engineer
Electromagnetic Compatibility Lab



Jennifer Warnell
Documentation Department

Engineering Statement: The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules Parts 15B, 15.247 and Industry Canada standards ICES-003, Issue 5 August 2012, RSS-210, Issue 8, Dec. 2010 under normal use and maintenance.



Asad Bajwa,
Director, Electromagnetic Compatibility Lab

Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	March 4, 2013	Initial Issue.
1	March 15, 2013	Revised to reflect editorial corrections.
2	April 3, 2013	Revised to reflect engineer corrections.
3	April 16, 2013	Revised to reflect engineer corrections.
4	April 17, 2013	Revised to add a not to the Radiated Emissions section.

Table of Contents

I.	Executive Summary	1
	A. Purpose of Test	2
	B. Executive Summary	2
II.	Equipment Configuration	3
	A. Overview.....	4
	B. References.....	5
	C. Test Site	5
	D. Description of Test Sample.....	5
	E. Equipment Configuration.....	7
	F. Support Equipment	7
	G. Ports and Cabling Information.....	7
	H. Mode of Operation.....	8
	I. Method of Monitoring EUT Operation	8
	J. Modifications	8
	a) Modifications to EUT	8
	b) Modifications to Test Standard.....	8
	K. Disposition of EUT	8
III.	Electromagnetic Compatibility Criteria for Unintentional Radiators	9
	§ 15.107(a) Conducted Emissions Limits.....	10
	§ 15.109(a) Radiated Emissions Limits.....	15
IV.	Electromagnetic Compatibility Criteria for Intentional Radiators.....	20
	§ 15.203 Antenna Requirement	21
	§ 15.207(a) Conducted Emissions Limits.....	23
	§ 15.247(a)(a) 6 dB and 99% Bandwidth	28
	§ 15.247(b) Peak Power Output	65
	§ 15.247(d) Radiated Spurious Emissions Requirements and Band Edge.....	96
	Co-location	185
	§ 15.247(d) RF Conducted Spurious Emissions Requirements and Band Edge.....	240
	§ 15.247(e) Peak Power Spectral Density	296
	§ 15.247(i) Maximum Permissible Exposure	315
	RSS-GEN Receiver Spurious Emissions.....	316
V.	Test Equipment	320
VI.	Certification & User's Manual Information	322
	A. Certification Information	323
	B. Label and User's Manual Information	327
VII.	ICES-003 Procedural & Labeling Requirements.....	329

List of Tables

Table 1. Executive Summary of EMC Part 15.247 Compliance Testing	2
Table 2. EUT Summary Table.....	4
Table 3. References	5
Table 4. Equipment Configuration	7
Table 5. Support Equipment.....	7
Table 6. Conducted Limits for Radio Frequency Devices calculated from FCC Part 15 Subsections 15.107(a) (b)	10
Table 7. Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz), AC-DC Power Supply	11
Table 8. Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz), AC-DC Power Supply	12
Table 9. Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz), PoE	13
Table 10. Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz), PoE	14
Table 11. Radiated Emissions Limits calculated from FCC Part 15, §15.109 (a) (b)	15
Table 12. Radiated Emissions Limits, Test Results, 30 MHz – 1 GHz, FCC Limits	16
Table 13. Radiated Emissions Limits, Test Results, ICES-003 Limits	18
Table 14. Antenna List	21
Table 15. Additional Antennas.....	22
Table 16. Conducted Limits for Intentional Radiators from FCC Part 15 § 15.207(a)	23
Table 17. Conducted Emissions, 15.207(a), Phase Line, Test Results, AC-DC Power Supply	24
Table 18. Conducted Emissions, 15.207(a), Neutral Line, Test Results, AC-DC Power Supply.....	25
Table 19. Conducted Emissions, 15.207(a), Phase Line, Test Results, PoE	26
Table 20. Conducted Emissions, 15.207(a), Neutral Line, Test Results, PoE.....	27
Table 21. 6 dB Occupied Bandwidth, Test Results, 2.4 GHz.....	29
Table 22. 6 dB Occupied Bandwidth, Test Results, 5 GHz.....	30
Table 23. 99% Occupied Bandwidth, Test Results, 2.4 GHz.....	31
Table 24. 99% Occupied Bandwidth, Test Results, 5 GHz	32
Table 25. Output Power Requirements from §15.247(b)	65
Table 26. Peak Power Output, Test Results, 3dBi Ceiling Antenna, 2.4 GHz	66
Table 27. Summed Peak Output Power, Test Results, 3dBi Ceiling Antenna	66
Table 28. Peak Power Output, Test Results, 6dBi Omni/Patch Antenna, 2.4 GHz.....	67
Table 29. Summed Peak Output Power, Test Results, 6dBi Omni/Patch Antenna	67
Table 30. Peak Power Output, Test Results, 2 dBi Antenna, 5 GHz.....	68
Table 31. Summed Peak Output Power, Test Results, 2 dBi Antenna	68
Table 32. Peak Power Output, Test Results, 4 Ceiling dBi Antenna, 5 GHz	69
Table 33. Summed Peak Output Power, Test Results, 4 dBi Ceiling Antenna	69
Table 34. Peak Power Output, Test Results, 6 dBi Omni Antenna, 5 GHz.....	70
Table 35. Summed Peak Output Power, Test Results, 6 dBi Omni Antenna	70
Table 36. Peak Power Output, Test Results, 7 dBi Patch Antenna, 5 GHz	71
Table 37. Summed Peak Output Power, Test Results, 7 dBi Patch Antenna	71
Table 38. Restricted Bands of Operation.....	96
Table 39. Radiated Emissions Limits Calculated from FCC Part 15, § 15.209 (a)	97
Table 40. Peak Power Spectral Density, Test Results, 2.4 GHz.....	297
Table 41. Peak Power Spectral Density, Test Results, 5 GHz.....	298
Table 42. Spurious Emission Limits for Receivers	316
Table 43. Test Equipment List	321

List of Plots

Plot 1. Conducted Emission, Phase Line Plot, AC-DC Power Supply.....	11
Plot 2. Conducted Emission, Neutral Line Plot, AC-DC Power Supply	12
Plot 3. Conducted Emission, Phase Line Plot, PoE	13
Plot 4. Conducted Emission, Neutral Line Plot, PoE	14
Plot 5. Radiated Emissions, 30 MHz - 1 GHz, FCC Limits, AC-DC Power Supply.....	16
Plot 6. Radiated Emissions, 30 MHz - 1 GHz, FCC Limits, PoE.....	17
Plot 7. Radiated Emissions, Above 1 GHz, FCC Limits	17
Plot 8. Radiated Emissions, ICES-003 Limits, AC-DC Power Supply, 30 MHz – 1 GHz	18
Plot 9. Radiated Emissions, ICES-003 Limits, PoE, 30 MHz – 1 GHz.....	19
Plot 10. Radiated Emissions, Above 1 GHz, ICES-003 Limits.....	19
Plot 11. Conducted Emissions, 15.207(a), Phase Line, AC-DC Power Supply	24
Plot 12. Conducted Emissions, 15.207(a), Neutral Line, AC-DC Power Supply	25
Plot 13. Conducted Emissions, 15.207(a), Phase Line, PoE	26
Plot 14. Conducted Emissions, 15.207(a), Neutral Line, PoE.....	27
Plot 15. 6 dB Occupied Bandwidth, 802.11b, 2412 MHz, Low Channel	33
Plot 16. 6 dB Occupied Bandwidth, 802.11b, 2437 MHz, Mid Channel	33
Plot 17. 6 dB Occupied Bandwidth, 802.11b, 2462 MHz, High Channel	33
Plot 18. 6 dB Occupied Bandwidth, 802.11g, 2412 MHz, Low Channel	34
Plot 19. 6 dB Occupied Bandwidth, 802.11g, 2437 MHz, Mid Channel	34
Plot 20. 6 dB Occupied Bandwidth, 802.11g, 2462 MHz, High Channel	34
Plot 21. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1	35
Plot 22. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1.....	35
Plot 23. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1	35
Plot 24. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2	36
Plot 25. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2.....	36
Plot 26. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2	36
Plot 27. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3	37
Plot 28. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3.....	37
Plot 29. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3	37
Plot 30. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1	38
Plot 31. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1.....	38
Plot 32. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1	38
Plot 33. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2	39
Plot 34. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2.....	39
Plot 35. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2	39
Plot 36. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3	40
Plot 37. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3.....	40
Plot 38. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3	40
Plot 39. 6 dB Occupied Bandwidth, 802.11a 20MHz, 5745 MHz, Low Channel, Port 1	41
Plot 40. 6 dB Occupied Bandwidth, 802.11a 20MHz, 5785 MHz, Mid Channel, Port 1	41
Plot 41. 6 dB Occupied Bandwidth, 802.11a 20MHz, 5825 MHz, High Channel, Port 1.....	41
Plot 42. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 1	42
Plot 43. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 1.....	42
Plot 44. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 1	42
Plot 45. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 2.....	43
Plot 46. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 2.....	43
Plot 47. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 2	43
Plot 48. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 3.....	44
Plot 49. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 3.....	44
Plot 50. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 3	44
Plot 51. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 1	45

Plot 52. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 1	45
Plot 53. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 2	46
Plot 54. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 2	46
Plot 55. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 3	47
Plot 56. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 3	47
Plot 57. 6 dB Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 1	48
Plot 58. 6 dB Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 2	48
Plot 59. 6 dB Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 3	48
Plot 60. 99% Occupied Bandwidth, 802.11b, 2412 MHz, Low Channel	49
Plot 61. 99% Occupied Bandwidth, 802.11b, 2437 MHz, Mid Channel	49
Plot 62. 99% Occupied Bandwidth, 802.11b, 2462 MHz, High Channel	49
Plot 63. 99% Occupied Bandwidth, 802.11g, 2412 MHz, Low Channel	50
Plot 64. 99% Occupied Bandwidth, 802.11g, 2437 MHz, Mid Channel	50
Plot 65. 99% Occupied Bandwidth, 802.11g, 2462 MHz, High Channel	50
Plot 66. 99% Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1	51
Plot 67. 99% Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1	51
Plot 68. 99% Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1	51
Plot 69. 99% Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2	52
Plot 70. 99% Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2	52
Plot 71. 99% Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2	52
Plot 72. 99% Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3	53
Plot 73. 99% Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3	53
Plot 74. 99% Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3	53
Plot 75. 99% Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1	54
Plot 76. 99% Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1	54
Plot 77. 99% Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1	54
Plot 78. 99% Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2	55
Plot 79. 99% Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2	55
Plot 80. 99% Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2	55
Plot 81. 99% Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3	56
Plot 82. 99% Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3	56
Plot 83. 99% Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3	56
Plot 84. 99% Occupied Bandwidth, 802.11a 20MHz, 5745 MHz, Low Channel, Port 1	57
Plot 85. 99% Occupied Bandwidth, 802.11a 20MHz, 5785 MHz, Mid Channel, Port 1	57
Plot 86. 99% Occupied Bandwidth, 802.11a 20MHz, 5825 MHz, High Channel, Port 1	57
Plot 87. 99% Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 1	58
Plot 88. 99% Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 1	58
Plot 89. 99% Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 1	58
Plot 90. 99% Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 2	59
Plot 91. 99% Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 2	59
Plot 92. 99% Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 2	59
Plot 93. 99% Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 3	60
Plot 94. 99% Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 3	60
Plot 95. 99% Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 3	60
Plot 96. 99% Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 1	61
Plot 97. 99% Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 1	61
Plot 98. 99% Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 2	62
Plot 99. 99% Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 2	62
Plot 100. 99% Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 3	63
Plot 101. 99% Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 3	63
Plot 102. 99% Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 1	64
Plot 103. 99% Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 2	64
Plot 104. 99% Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 3	64
Plot 105. Output Power, Ceiling Antenna, 802.11b 20 MHz, 2412 MHz, Low Channel	72
Plot 106. Output Power, Ceiling Antenna, 802.11b 20 MHz, 2437 MHz, Mid Channel	72

Plot 107. Output Power, Ceiling Antenna, 802.11b 20 MHz, 2462 MHz, High Channel	72
Plot 108. Output Power, Ceiling Antenna, 802.11g 20 MHz, 2412 MHz, Low Channel.....	73
Plot 109. Output Power, Ceiling Antenna, 802.11g 20 MHz, 2437 MHz, Mid Channel	73
Plot 110. Output Power, Ceiling Antenna, 802.11g 20 MHz, 2462 MHz, High Channel	73
Plot 111. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1	74
Plot 112. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1.....	74
Plot 113. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1	74
Plot 114. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2	75
Plot 115. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2.....	75
Plot 116. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2	75
Plot 117. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3	76
Plot 118. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3.....	76
Plot 119. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3	76
Plot 120. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1	77
Plot 121. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1.....	77
Plot 122. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1	77
Plot 123. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2	78
Plot 124. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2.....	78
Plot 125. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2	78
Plot 126. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3	79
Plot 127. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3.....	79
Plot 128. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3	79
Plot 129. Output Power, Omni/Patch, 802.11b 20 MHz, 2412 MHz, Low Channel.....	80
Plot 130. Output Power, Omni/Patch, 802.11b 20 MHz, 2437 MHz, Mid Channel	80
Plot 131. Output Power, Omni/Patch, 802.11b 20 MHz, 2462 MHz, High Channel	80
Plot 132. Output Power, Omni/Patch, 802.11g 20 MHz, 2412 MHz, Low Channel.....	81
Plot 133. Output Power, Omni/Patch, 802.11g 20 MHz, 2437 MHz, Mid Channel	81
Plot 134. Output Power, Omni/Patch, 802.11g 20 MHz, 2462 MHz, High Channel	81
Plot 135. Output Power, Omni/Patch, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1	82
Plot 136. Output Power, Omni/Patch, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1.....	82
Plot 137. Output Power, Omni/Patch, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1	82
Plot 138. Output Power, Omni/Patch, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2	83
Plot 139. Output Power, Omni/Patch, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2.....	83
Plot 140. Output Power, Omni/Patch, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2	83
Plot 141. Output Power, Omni/Patch, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3	84
Plot 142. Output Power, Omni/Patch, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3.....	84
Plot 143. Output Power, Omni/Patch, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3	84
Plot 144. Output Power, Omni/Patch, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1	85
Plot 145. Output Power, Omni/Patch, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1.....	85
Plot 146. Output Power, Omni/Patch, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1	85
Plot 147. Output Power, Omni/Patch, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2	86
Plot 148. Output Power, Omni/Patch, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2.....	86
Plot 149. Output Power, Omni/Patch, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2	86
Plot 150. Output Power, Omni/Patch, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3	87
Plot 151. Output Power, Omni/Patch, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3.....	87
Plot 152. Output Power, Omni/Patch, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3	87
Plot 153. Output Power, 2 dBi Antenna, 802.11a 20 MHz, 5745 MHz, Low Channel	88
Plot 154. Output Power, 2 dBi Antenna, 802.11a 20 MHz, 5785 MHz, Mid Channel	88
Plot 155. Output Power, 2 dBi Antenna, 802.11a 20 MHz, 5825 MHz, High Channel	88
Plot 156. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1	89
Plot 157. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 1.....	89
Plot 158. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5825 MHz, High Channel, Port 1	89
Plot 159. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2	90
Plot 160. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 2.....	90
Plot 161. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5825 MHz, High Channel, Port 2	90

Plot 162. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3	91
Plot 163. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 3	91
Plot 164. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5825 MHz, High Channel, Port 3	91
Plot 165. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 1	92
Plot 166. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1	92
Plot 167. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2	93
Plot 168. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2	93
Plot 169. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3	94
Plot 170. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3	94
Plot 171. Output Power, 2 dBi Antenna, 802.11n 80 MHz, 5775 MHz, Port 1	95
Plot 172. Output Power, 2 dBi Antenna, 802.11n 80 MHz, 5775 MHz, Port 2	95
Plot 173. Output Power, 2 dBi Antenna, 802.11n 80 MHz, 5775 MHz, Port 3	95
Plot 174. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11b, 2412 MHz, Low Channel, 30 MHz - 1 GHz	98
Plot 175. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11b, 2412 MHz, Low Channel, 1 GHz - 18 GHz	98
Plot 176. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11b, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	98
Plot 177. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11b, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	99
Plot 178. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11b, 2462 MHz, High Channel, 30 MHz - 1 GHz	99
Plot 179. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11b, 2462 MHz, High Channel, 1 GHz - 18 GHz	99
Plot 180. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11g, 2412 MHz, Low Channel, 30 MHz - 1 GHz	100
Plot 181. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11g, 2412 MHz, Low Channel, 1 GHz - 18 GHz	100
Plot 182. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11g, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	100
Plot 183. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11g, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	101
Plot 184. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11g, 2462 MHz, High Channel, 30 MHz - 1 GHz	101
Plot 185. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11g, 2462 MHz, High Channel, 1 GHz - 18 GHz	101
Plot 186. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 20 MHz, 2412 MHz, Low Channel, 30 MHz - 1 GHz	102
Plot 187. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 20 MHz, 2412 MHz, Low Channel, 1 GHz - 18 GHz	102
Plot 188. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 20 MHz, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	102
Plot 189. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 20 MHz, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	103
Plot 190. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 20 MHz, 2462 MHz, High Channel, 30 MHz - 1 GHz	103
Plot 191. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 20 MHz, 2462 MHz, High Channel, 1 GHz - 18 GHz	103
Plot 192. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 40 MHz, 2422 MHz, Low Channel, 30 MHz - 1 GHz	104
Plot 193. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 40 MHz, 2422 MHz, Low Channel, 1 GHz - 18 GHz	104
Plot 194. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 40 MHz, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	104
Plot 195. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 40 MHz, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	105
Plot 196. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 40 MHz, 2452 MHz, High Channel, 30 MHz - 1 GHz	105
Plot 197. Radiated Spurious Emissions, 3 dBi Ceiling Mount, 802.11n 40 MHz, 2452 MHz, High Channel, 1 GHz - 18 GHz	105
Plot 198. Radiated Spurious Emissions, 6 dBi Omni, 802.11b, 2412 MHz, Low Channel, 30 MHz - 1 GHz	106
Plot 199. Radiated Spurious Emissions, 6 dBi Omni, 802.11b, 2412 MHz, Low Channel, 1 GHz - 18 GHz	106
Plot 200. Radiated Spurious Emissions, 6 dBi Omni, 802.11b, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	106
Plot 201. Radiated Spurious Emissions, 6 dBi Omni, 802.11b, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	107
Plot 202. Radiated Spurious Emissions, 6 dBi Omni, 802.11b, 2462 MHz, High Channel, 30 MHz - 1 GHz	107
Plot 203. Radiated Spurious Emissions, 6 dBi Omni, 802.11b, 2462 MHz, High Channel, 1 GHz - 18 GHz	107
Plot 204. Radiated Spurious Emissions, 6 dBi Omni, 802.11g, 2412 MHz, Low Channel, 30 MHz - 1 GHz	108

Plot 205. Radiated Spurious Emissions, 6 dBi Omni, 802.11g, 2412 MHz, Low Channel, 1 GHz - 18 GHz	108
Plot 206. Radiated Spurious Emissions, 6 dBi Omni, 802.11g, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	108
Plot 207. Radiated Spurious Emissions, 6 dBi Omni, 802.11g, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	109
Plot 208. Radiated Spurious Emissions, 6 dBi Omni, 802.11g, 2462 MHz, High Channel, 30 MHz - 1 GHz	109
Plot 209. Radiated Spurious Emissions, 6 dBi Omni, 802.11g, 2462 MHz, High Channel, 1 GHz - 18 GHz.....	109
Plot 210. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 20 MHz, 2412 MHz, Low Channel, 30 MHz - 1 GHz.....	110
Plot 211. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 20 MHz, 2412 MHz, Low Channel, 1 GHz - 18 GHz	110
Plot 212. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 20 MHz, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	110
Plot 213. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 20 MHz, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	111
Plot 214. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 20 MHz, 2462 MHz, High Channel, 30 MHz - 1 GHz	111
Plot 215. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 20 MHz, 2462 MHz, High Channel, 1 GHz - 18 GHz.....	111
Plot 216. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 40 MHz, 2422 MHz, Low Channel, 30 MHz - 1 GHz.....	112
Plot 217. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 40 MHz, 2422 MHz, Low Channel, 1 GHz - 18 GHz	112
Plot 218. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 40 MHz, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	112
Plot 219. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 40 MHz, 2437 MHz, Mid Channel, 1 GHz - 18 GHz	113
Plot 220. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 40 MHz, 2452 MHz, High Channel, 30 MHz - 1 GHz.....	113
Plot 221. Radiated Spurious Emissions, 6 dBi Omni, 802.11n 40 MHz, 2452 MHz, High Channel, 1 GHz - 18 GHz.....	113
Plot 222. Radiated Spurious Emissions, 6 dBi Patch, 802.11b, 2412 MHz, 30 MHz - 1 GHz.....	114
Plot 223. Radiated Spurious Emissions, 6 dBi Patch, 802.11b, 2412 MHz, 1 GHz - 18 GHz.....	114
Plot 224. Radiated Spurious Emissions, 6 dBi Patch, 802.11b, 2437 MHz, 30 MHz - 1 GHz.....	114
Plot 225. Radiated Spurious Emissions, 6 dBi Patch, 802.11b, 2437 MHz, 1 GHz - 18 GHz.....	115
Plot 226. Radiated Spurious Emissions, 6 dBi Patch, 802.11b, 2462 MHz, 30 MHz - 1 GHz.....	115
Plot 227. Radiated Spurious Emissions, 6 dBi Patch, 802.11b, 2462 MHz, 1 GHz - 18 GHz.....	115
Plot 228. Radiated Spurious Emissions, 6 dBi Patch, 802.11g, 2412 MHz, 30 MHz - 1 GHz.....	116
Plot 229. Radiated Spurious Emissions, 6 dBi Patch, 802.11g, 2412 MHz, 1 GHz - 18 GHz.....	116
Plot 230. Radiated Spurious Emissions, 6 dBi Patch, 802.11g, 2437 MHz, 30 MHz - 1 GHz.....	116
Plot 231. Radiated Spurious Emissions, 6 dBi Patch, 802.11g, 2437 MHz, 1 GHz - 18 GHz.....	117
Plot 232. Radiated Spurious Emissions, 6 dBi Patch, 802.11g, 2462 MHz, 30 MHz - 1 GHz.....	117
Plot 233. Radiated Spurious Emissions, 6 dBi Patch, 802.11g, 2462 MHz, 1 GHz - 18 GHz.....	117
Plot 234. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 20 MHz, 2412 MHz, 30 MHz - 1 GHz	118
Plot 235. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 20 MHz, 2412 MHz, 1 GHz - 18 GHz	118
Plot 236. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 20 MHz, 2437 MHz, 30 MHz - 1 GHz	118
Plot 237. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 20 MHz, 2437 MHz, 1 GHz - 18 GHz	119
Plot 238. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 20 MHz, 2462 MHz, 30 MHz - 1 GHz	119
Plot 239. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 20 MHz, 2462 MHz, 1 GHz - 18 GHz	119
Plot 240. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 40 MHz, 2422 MHz, 30 MHz - 1 GHz	120
Plot 241. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 40 MHz, 2422 MHz, 1 GHz - 18 GHz	120
Plot 242. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 40 MHz, 2437 MHz, 30 MHz - 1 GHz	120
Plot 243. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 40 MHz, 2437 MHz, 1 GHz - 18 GHz	121
Plot 244. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 40 MHz, 2452 MHz, 30 MHz - 1 GHz	121
Plot 245. Radiated Spurious Emissions, 6 dBi Patch, 802.11n 40 MHz, 2452 MHz, 1 GHz - 18 GHz	121
Plot 246. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5745, 30 MHz - 1 GHz	122
Plot 247. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5745 MHz, 1 GHz - 12 GHz.....	122
Plot 248. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5745 MHz, 12 GHz - 18 GHz.....	122
Plot 249. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5785 MHz, 30 MHz - 1 GHz	123
Plot 250. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5785 MHz, 1 GHz - 12 GHz.....	123
Plot 251. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5785 MHz, 12 GHz - 18 GHz.....	123
Plot 252. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5825 MHz, 30 MHz - 1 GHz	124
Plot 253. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5825 MHz, 1 GHz - 12 GHz.....	124
Plot 254. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11a, 5825 MHz, 12 GHz - 18 GHz.....	124
Plot 255. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5745, 30 MHz - 1 GHz	125
Plot 256. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5745 MHz, 1 GHz - 12 GHz.....	125
Plot 257. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5745 MHz, 12 GHz - 18 GHz.....	125
Plot 258. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5785 MHz, 30 MHz - 1 GHz	126
Plot 259. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5785 MHz, 1 GHz - 12 GHz.....	126

Plot 260. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5785 MHz, 12 GHz - 18 GHz.....	126
Plot 261. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5825 MHz, 30 MHz - 1 GHz.....	127
Plot 262. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5825 MHz, 1 GHz - 12 GHz.....	127
Plot 263. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 20 MHz, 5825 MHz, 12 GHz - 18 GHz.....	127
Plot 264. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 40 MHz, 5755 MHz, 30 MHz - 1 GHz.....	128
Plot 265. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 40 MHz, 5755 MHz, 1 GHz - 12 GHz.....	128
Plot 266. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 40 MHz, 5755 MHz, 12 GHz - 18 GHz.....	128
Plot 267. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 40 MHz, 5795 MHz, 30 MHz - 1 GHz.....	129
Plot 268. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 40 MHz, 5795 MHz, 1 GHz - 12 GHz.....	129
Plot 269. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 40 MHz, 5795 MHz, 12 GHz - 18 GHz.....	129
Plot 270. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 80 MHz, 5775 MHz, 30 MHz - 1 GHz.....	130
Plot 271. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 80 MHz, 5775 MHz, 1 GHz - 12 GHz.....	130
Plot 272. Radiated Spurious Emissions, 4 dBi Ceiling Mount, 802.11n 80 MHz, 5775 MHz, 12 GHz - 18 GHz.....	130
Plot 273. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5745, 30 MHz - 1 GHz.....	131
Plot 274. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5745 MHz, 1 GHz - 12 GHz.....	131
Plot 275. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5745 MHz, 12 GHz - 18 GHz.....	131
Plot 276. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5785 MHz, 30 MHz - 1 GHz.....	132
Plot 277. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5785 MHz, 1 GHz - 12 GHz.....	132
Plot 278. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5785 MHz, 12 GHz - 18 GHz.....	132
Plot 279. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5825 MHz, 30 MHz - 1 GHz.....	133
Plot 280. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5825 MHz, 1 GHz - 12 GHz.....	133
Plot 281. Radiated Spurious Emissions, 7 dBi Omni, 802.11a, 5825 MHz, 12 GHz - 18 GHz.....	133
Plot 282. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5745, 30 MHz - 1 GHz.....	134
Plot 283. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5745 MHz, 1 GHz - 12 GHz.....	134
Plot 284. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5745 MHz, 12 GHz - 18 GHz.....	134
Plot 285. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5785 MHz, 30 MHz - 1 GHz.....	135
Plot 286. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5785 MHz, 1 GHz - 12 GHz.....	135
Plot 287. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5785 MHz, 12 GHz - 18 GHz.....	135
Plot 288. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5825 MHz, 30 MHz - 1 GHz.....	136
Plot 289. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5825 MHz, 1 GHz - 12 GHz.....	136
Plot 290. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 20 MHz, 5825 MHz, 12 GHz - 18 GHz.....	136
Plot 291. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 40 MHz, 5755 MHz, 30 MHz - 1 GHz.....	137
Plot 292. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 40 MHz, 5755 MHz, 1 GHz - 12 GHz.....	137
Plot 293. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 40 MHz, 5755 MHz, 12 GHz - 18 GHz.....	137
Plot 294. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 40 MHz, 5795 MHz, 30 MHz - 1 GHz.....	138
Plot 295. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 40 MHz, 5795 MHz, 1 GHz - 12 GHz.....	138
Plot 296. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 40 MHz, 5795 MHz, 12 GHz - 18 GHz.....	138
Plot 297. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 80 MHz, 5775 MHz, 30 MHz - 1 GHz.....	139
Plot 298. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 80 MHz, 5775 MHz, 1 GHz - 12 GHz.....	139
Plot 299. Radiated Spurious Emissions, 7 dBi Omni, 802.11n 80 MHz, 5775 MHz, 12 GHz - 18 GHz.....	139
Plot 300. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5745, 30 MHz - 1 GHz.....	140
Plot 301. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5745 MHz, 1 GHz - 12 GHz.....	140
Plot 302. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5745 MHz, 12 GHz - 18 GHz.....	140
Plot 303. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5785 MHz, 30 MHz - 1 GHz.....	141
Plot 304. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5785 MHz, 1 GHz - 12 GHz.....	141
Plot 305. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5785 MHz, 12 GHz - 18 GHz.....	141
Plot 306. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5825 MHz, 30 MHz - 1 GHz.....	142
Plot 307. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5825 MHz, 1 GHz - 12 GHz.....	142
Plot 308. Radiated Spurious Emissions, 7 dBi Patch, 802.11a, 5825 MHz, 12 GHz - 18 GHz.....	142
Plot 309. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5745, 30 MHz - 1 GHz.....	143
Plot 310. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5745 MHz, 1 GHz - 12 GHz.....	143
Plot 311. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5745 MHz, 12 GHz - 18 GHz.....	143
Plot 312. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5785 MHz, 30 MHz - 1 GHz.....	144
Plot 313. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5785 MHz, 1 GHz - 12 GHz.....	144
Plot 314. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5785 MHz, 12 GHz - 18 GHz.....	144

Plot 315. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5825 MHz, 30 MHz - 1 GHz	145
Plot 316. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5825 MHz, 1 GHz - 12 GHz	145
Plot 317. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 20 MHz, 5825 MHz, 12 GHz - 18 GHz	145
Plot 318. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 40 MHz, 5755 MHz, 30 MHz - 1 GHz	146
Plot 319. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 40 MHz, 5755 MHz, 1 GHz - 12 GHz	146
Plot 320. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 40 MHz, 5755 MHz, 12 GHz - 18 GHz	146
Plot 321. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 40 MHz, 5795 MHz, 30 MHz - 1 GHz	147
Plot 322. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 40 MHz, 5795 MHz, 1 GHz - 12 GHz	147
Plot 323. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 40 MHz, 5795 MHz, 12 GHz - 18 GHz	147
Plot 324. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 80 MHz, 5775 MHz, 30 MHz - 1 GHz	148
Plot 325. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 80 MHz, 5775 MHz, 1 GHz - 12 GHz	148
Plot 326. Radiated Spurious Emissions, 7 dBi Patch, 802.11n 80 MHz, 5775 MHz, 12 GHz - 18 GHz	148
Plot 327. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2412 MHz @ 2390 MHz, Average	149
Plot 328. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2412 MHz @ 2390 MHz, Peak	149
Plot 329. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	150
Plot 330. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Peak	150
Plot 331. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	150
Plot 332. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Peak	151
Plot 333. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2462 MHz @ 2483.5 MHz, Average	151
Plot 334. Restricted Band Edge, Ceiling Antenna, 802.11b 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	151
Plot 335. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2412 MHz @ 2390 MHz, Average	152
Plot 336. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2412 MHz @ 2390 MHz, Peak	152
Plot 337. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	152
Plot 338. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Peak	153
Plot 339. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	153
Plot 340. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Peak	153
Plot 341. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2462 MHz @ 2483.5 MHz, Average	154
Plot 342. Restricted Band Edge, Ceiling Antenna, 802.11g 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	154
Plot 343. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz @ 2390 MHz, Average	155
Plot 344. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz @ 2390 MHz, Peak	155
Plot 345. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	155
Plot 346. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Peak	156
Plot 347. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	156
Plot 348. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Peak	156
Plot 349. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz @ 2483.5 MHz, Average	157
Plot 350. Restricted Band Edge, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	157
Plot 351. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2422MHz @ 2390 MHz, Average	158
Plot 352. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2422MHz @ 2390 MHz, Peak	158
Plot 353. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	158
Plot 354. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Peak	159
Plot 355. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	159
Plot 356. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Peak	159
Plot 357. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz @ 2483.5 MHz, Average	160
Plot 358. Restricted Band Edge, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz @ 2483.5 MHz, Peak	160
Plot 359. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2412 MHz @ 2390 MHz, Average	161
Plot 360. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2412 MHz @ 2390 MHz, Peak	161
Plot 361. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2437 MHz @ 2390 MHz, Average, Channel 6	161
Plot 362. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2437 MHz @ 2390 MHz, Peak, Channel 6	162
Plot 363. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2437 MHz @ 2483.5 MHz, Average, Channel 6	162
Plot 364. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2437 MHz @ 2483.5 MHz, Peak, Channel 6	162
Plot 365. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2462 MHz @ 2483.5 MHz, Average	163
Plot 366. Restricted Band Edge, Omni Antenna, 802.11b 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	163
Plot 367. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2412 MHz @ 2390 MHz, Average	164
Plot 368. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2412 MHz @ 2390 MHz, Peak	164
Plot 369. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2437 MHz @ 2390 MHz, Average, Channel 6	164

Plot 370. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2437 MHz @ 2390 MHz, Peak, Channel 6.....	165
Plot 371. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2437 MHz @ 2483.5 MHz, Average, Channel 6.....	165
Plot 372. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2437 MHz @ 2483.5 MHz, Peak, Channel 6.....	165
Plot 373. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2462 MHz @ 2483.5 MHz, Average	166
Plot 374. Restricted Band Edge, Omni Antenna, 802.11g 20 MHz, 2462 MHz @ 2483.5 MHz, Peak.....	166
Plot 375. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2412 MHz @ 2390 MHz, Average	167
Plot 376. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2412 MHz @ 2390 MHz, Peak.....	167
Plot 377. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2437 MHz @ 2390 MHz, Average, Channel 6	167
Plot 378. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2437 MHz @ 2390 MHz, Peak, Channel 6.....	168
Plot 379. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2437 MHz @ 2483.5 MHz, Average, Channel 6.....	168
Plot 380. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2437 MHz @ 2483.5 MHz, Peak, Channel 6.....	168
Plot 381. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2462 MHz @ 2483.5 MHz, Average	169
Plot 382. Restricted Band Edge, Omni Antenna, 802.11n 20 MHz, 2462 MHz @ 2483.5 MHz, Peak.....	169
Plot 383. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2422MHz @ 2390 MHz, Average	170
Plot 384. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2422MHz @ 2390 MHz, Peak.....	170
Plot 385. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2437 MHz @ 2390 MHz, Average, Channel 6	170
Plot 386. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2437 MHz @ 2390 MHz, Peak, Channel 6.....	171
Plot 387. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2437 MHz @ 2483.5 MHz, Average, Channel 6.....	171
Plot 388. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2437 MHz @ 2483.5 MHz, Peak, Channel 6.....	171
Plot 389. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2452 MHz @ 2483.5 MHz, Average	172
Plot 390. Restricted Band Edge, Omni Antenna, 802.11n 40 MHz, 2452 MHz @ 2483.5 MHz, Peak.....	172
Plot 391. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2412 MHz @ 2390 MHz, Average	173
Plot 392. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2412 MHz @ 2390 MHz, Peak	173
Plot 393. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	173
Plot 394. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz.....	174
Plot 395. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	174
Plot 396. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz.....	174
Plot 397. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2462 MHz @ 2483.5 MHz, Average	175
Plot 398. Restricted Band Edge, Patch Antenna, 802.11b 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	175
Plot 399. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2412 MHz @ 2390 MHz, Average	176
Plot 400. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2412 MHz @ 2390 MHz, Peak	176
Plot 401. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	176
Plot 402. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz.....	177
Plot 403. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	177
Plot 404. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz.....	177
Plot 405. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2462 MHz @ 2483.5 MHz, Average	178
Plot 406. Restricted Band Edge, Patch Antenna, 802.11g 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	178
Plot 407. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2412 MHz @ 2390 MHz, Average	179
Plot 408. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2412 MHz @ 2390 MHz, Peak	179
Plot 409. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	179
Plot 410. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2390 MHz.....	180
Plot 411. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	180
Plot 412. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz.....	180
Plot 413. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2462 MHz @ 2483.5 MHz, Average	181
Plot 414. Restricted Band Edge, Patch Antenna, 802.11n 20 MHz, 2462 MHz @ 2483.5 MHz, Peak	181
Plot 415. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2422MHz @ 2390 MHz, Average	182
Plot 416. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2422MHz @ 2390 MHz, Peak	182
Plot 417. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2390 MHz, Average	182
Plot 418. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2390 MHz.....	183
Plot 419. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz, Average	183
Plot 420. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2437 MHz, Channel 6 @ 2483.5 MHz.....	183
Plot 421. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2452 MHz @ 2483.5 MHz, Average	184
Plot 422. Restricted Band Edge, Patch Antenna, 802.11n 40 MHz, 2452 MHz @ 2483.5 MHz, Peak	184
Plot 423. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2412 MHz, 30 MHz – 1 GHz	186

Plot 424. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2412 MHz, 1 GHz – 7 GHz, Average	186
Plot 425. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2412 MHz, 1 GHz – 7 GHz, Peak	186
Plot 426. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2412 MHz, 7 GHz – 18 GHz, Peak	187
Plot 427. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2437 MHz, 30 MHz – 1 GHz	187
Plot 428. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2437 MHz, 1 GHz – 7 GHz, Average	187
Plot 429. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2437 MHz, 1 GHz – 7 GHz, Peak	188
Plot 430. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2437 MHz, 7 GHz – 18 GHz, Peak	188
Plot 431. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2462 MHz, 30 MHz – 1 GHz	188
Plot 432. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2462 MHz, 1 GHz – 7 GHz, Average	189
Plot 433. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2462 MHz, 1 GHz – 7 GHz, Peak	189
Plot 434. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 2462 MHz, 7 GHz – 18 GHz, Peak	189
Plot 435. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2437 MHz, 30 MHz – 1 GHz	190
Plot 436. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2437 MHz, 1 GHz – 7 GHz, Average	190
Plot 437. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2437 MHz, 1 GHz – 7 GHz, Peak	190
Plot 438. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2437 MHz, 7 GHz – 18 GHz, Peak	191
Plot 439. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2462 MHz, 30 MHz – 1 GHz	191
Plot 440. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2462 MHz, 1 GHz – 7 GHz, Average	191
Plot 441. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2462 MHz, 1 GHz – 7 GHz, Peak	192
Plot 442. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 2462 MHz, 7 GHz – 18 GHz, Peak	192
Plot 443. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 2462 MHz, 30 MHz – 1 GHz	192
Plot 444. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 2462 MHz, 1 GHz – 7 GHz, Average	193
Plot 445. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 2462 MHz, 1 GHz – 7 GHz, Peak	193
Plot 446. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 2462 MHz, 7 GHz – 18 GHz, Peak	193
Plot 447. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5200 MHz, 30 MHz – 1 GHz	194
Plot 448. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5200 MHz, 1 GHz – 7 GHz, Average	194
Plot 449. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5200 MHz, 1 GHz – 7 GHz, Peak	194
Plot 450. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5200 MHz, 7 GHz – 18 GHz, Peak	195
Plot 451. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5300 MHz, 30 MHz – 1 GHz	195
Plot 452. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5300 MHz, 1 GHz – 7 GHz, Average	195
Plot 453. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5300 MHz, 1 GHz – 7 GHz, Peak	196
Plot 454. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5300 MHz, 7 GHz – 18 GHz, Peak	196

Plot 455. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5580 MHz, 30 MHz – 1 GHz	196
Plot 456. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5580 MHz, 1 GHz – 7 GHz, Average	197
Plot 457. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5580 MHz, 1 GHz – 7 GHz, Peak	197
Plot 458. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5580 MHz, 7 GHz – 18 GHz, Peak	197
Plot 459. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5785 MHz, 30 MHz – 1 GHz	198
Plot 460. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5785 MHz, 1 GHz – 7 GHz, Average	198
Plot 461. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5785 MHz, 1 GHz – 7 GHz, Peak	198
Plot 462. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2412 & 5785 MHz, 7 GHz – 18 GHz, Peak	199
Plot 463. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5200 MHz, 30 MHz – 1 GHz	199
Plot 464. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5200 MHz, 1 GHz – 7 GHz, Average	199
Plot 465. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5200 MHz, 1 GHz – 7 GHz, Peak	200
Plot 466. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5200 MHz, 7 GHz – 18 GHz, Peak	200
Plot 467. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5300 MHz, 30 MHz – 1 GHz	200
Plot 468. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5300 MHz, 1 GHz – 7 GHz, Average	201
Plot 469. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5300 MHz, 1 GHz – 7 GHz, Peak	201
Plot 470. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5300 MHz, 7 GHz – 18 GHz, Peak	201
Plot 471. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5580 MHz, 30 MHz – 1 GHz	202
Plot 472. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5580 MHz, 1 GHz – 7 GHz, Average	202
Plot 473. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5580 MHz, 1 GHz – 7 GHz, Peak	202
Plot 474. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5580 MHz, 7 GHz – 18 GHz, Peak	203
Plot 475. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5785 MHz, 30 MHz – 1 GHz	203
Plot 476. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5785 MHz, 1 GHz – 7 GHz, Average	203
Plot 477. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5785 MHz, 1 GHz – 7 GHz, Peak	204
Plot 478. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2437 & 5785 MHz, 7 GHz – 18 GHz, Peak	204
Plot 479. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5200 MHz, 30 MHz – 1 GHz	204
Plot 480. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5200 MHz, 1 GHz – 7 GHz, Average	205
Plot 481. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5200 MHz, 1 GHz – 7 GHz, Peak	205
Plot 482. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5200 MHz, 7 GHz – 18 GHz, Peak	205
Plot 483. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5300 MHz, 30 MHz – 1 GHz	206
Plot 484. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5300 MHz, 1 GHz – 7 GHz, Average	206
Plot 485. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5300 MHz, 1 GHz – 7 GHz, Peak	206

Plot 486. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5300 MHz, 7 GHz – 18 GHz, Peak	207
Plot 487. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5580 MHz, 30 MHz – 1 GHz	207
Plot 488. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5580 MHz, 1 GHz – 7 GHz, Average	207
Plot 489. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5580 MHz, 1 GHz – 7 GHz, Peak	208
Plot 490. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5580 MHz, 7 GHz – 18 GHz, Peak	208
Plot 491. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5785 MHz, 30 MHz – 1 GHz	208
Plot 492. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5785 MHz, 1 GHz – 7 GHz, Average	209
Plot 493. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5785 MHz, 1 GHz – 7 GHz, Peak	209
Plot 494. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 2462 & 5785 MHz, 7 GHz – 18 GHz, Peak	209
Plot 495. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5200 MHz, 30 MHz – 1 GHz	210
Plot 496. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5200 MHz, 1 GHz – 7 GHz, Average	210
Plot 497. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5200 MHz, 1 GHz – 7 GHz, Peak	210
Plot 498. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5200 MHz, 7 GHz – 18 GHz, Peak	211
Plot 499. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5300 MHz, 30 MHz – 1 GHz	211
Plot 500. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5300 MHz, 1 GHz – 7 GHz, Average	211
Plot 501. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5300 MHz, 1 GHz – 7 GHz, Peak	212
Plot 502. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5300 MHz, 7 GHz – 18 GHz, Peak	212
Plot 503. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5580 MHz, 30 MHz – 1 GHz	212
Plot 504. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5580 MHz, 1 GHz – 7 GHz, Average	213
Plot 505. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5580 MHz, 1 GHz – 7 GHz, Peak	213
Plot 506. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5580 MHz, 7 GHz – 18 GHz, Peak	213
Plot 507. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5785 MHz, 30 MHz – 1 GHz	214
Plot 508. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5785 MHz, 1 GHz – 7 GHz, Average	214
Plot 509. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5785 MHz, 1 GHz – 7 GHz, Peak	214
Plot 510. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5200 & 5785 MHz, 7 GHz – 18 GHz, Peak	215
Plot 511. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5300 MHz, 30 MHz – 1 GHz	215
Plot 512. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5300 MHz, 1 GHz – 7 GHz, Average	215
Plot 513. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5300 MHz, 1 GHz – 7 GHz, Peak	216
Plot 514. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5300 MHz, 7 GHz – 18 GHz, Peak	216
Plot 515. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5580 MHz, 30 MHz – 1 GHz	216
Plot 516. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5580 MHz, 1 GHz – 7 GHz, Average	217

Plot 517. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5580 MHz, 1 GHz – 7 GHz, Peak	217
Plot 518. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5580 MHz, 7 GHz – 18 GHz, Peak	217
Plot 519. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5785 MHz, 30 MHz – 1 GHz	218
Plot 520. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5785 MHz, 1 GHz – 7 GHz, Average	218
Plot 521. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5785 MHz, 1 GHz – 7 GHz, Peak	218
Plot 522. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5300 & 5785 MHz, 7 GHz – 18 GHz, Peak	219
Plot 523. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5580 MHz, 30 MHz – 1 GHz	219
Plot 524. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5580 MHz, 1 GHz – 7 GHz, Average	219
Plot 525. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5580 MHz, 1 GHz – 7 GHz, Peak	220
Plot 526. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5580 MHz, 7 GHz – 18 GHz, Peak	220
Plot 527. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5785 MHz, 30 MHz – 1 GHz	220
Plot 528. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5785 MHz, 1 GHz – 7 GHz, Average	221
Plot 529. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5785 MHz, 1 GHz – 7 GHz, Peak	221
Plot 530. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5580 & 5785 MHz, 7 GHz – 18 GHz, Peak	221
Plot 531. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5785 & 5785 MHz, 30 MHz – 1 GHz	222
Plot 532. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5785 & 5785 MHz, 1 GHz – 7 GHz, Average	222
Plot 533. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5785 & 5785 MHz, 1 GHz – 7 GHz, Peak	222
Plot 534. Co-location, Radiated Spurious Emissions, Omni, 802.11n 20 MHz, 5785 & 5785 MHz, 7 GHz – 18 GHz, Peak	223
Plot 535. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5200 MHz, 30 MHz – 1 GHz.....	224
Plot 536. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5200 MHz, 1 GHz – 7 GHz, Average	224
Plot 537. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5200 MHz, 1 GHz – 7 GHz, Peak	224
Plot 538. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5200 MHz, 7 GHz – 18 GHz, Peak	225
Plot 539. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5300 MHz, 30 MHz – 1 GHz.....	225
Plot 540. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5300 MHz, 1 GHz – 7 GHz, Average	225
Plot 541. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5300 MHz, 1 GHz – 7 GHz, Peak	226
Plot 542. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5300 MHz, 7 GHz – 18 GHz, Peak	226
Plot 543. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5580 MHz, 30 MHz – 1 GHz.....	226
Plot 544. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5580 MHz, 1 GHz – 7 GHz, Average	227
Plot 545. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5580 MHz, 1 GHz – 7 GHz, Peak	227
Plot 546. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5580 MHz, 7 GHz – 18 GHz, Peak	227
Plot 547. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5785 MHz, 30 MHz – 1 GHz.....	228

Plot 548. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5785 MHz, 1 GHz – 7 GHz, Average	228
Plot 549. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5785 MHz, 1 GHz – 7 GHz, Peak	228
Plot 550. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2412 & 5785 MHz, 7 GHz – 18 GHz, Peak	229
Plot 551. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5200 MHz, 30 MHz – 1 GHz.....	229
Plot 552. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5200 MHz, 1 GHz – 7 GHz, Average	229
Plot 553. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5200 MHz, 1 GHz – 7 GHz, Peak	230
Plot 554. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5200 MHz, 7 GHz – 18 GHz, Peak	230
Plot 555. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5300 MHz, 30 MHz – 1 GHz.....	230
Plot 556. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5300 MHz, 1 GHz – 7 GHz, Average	231
Plot 557. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5300 MHz, 1 GHz – 7 GHz, Peak	231
Plot 558. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5300 MHz, 7 GHz – 18 GHz, Peak	231
Plot 559. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5580 MHz, 30 MHz – 1 GHz.....	232
Plot 560. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5580 MHz, 1 GHz – 7 GHz, Average	232
Plot 561. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5580 MHz, 1 GHz – 7 GHz, Peak	232
Plot 562. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5580 MHz, 7 GHz – 18 GHz, Peak	233
Plot 563. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5785 MHz, 30 MHz – 1 GHz.....	233
Plot 564. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5785 MHz, 1 GHz – 7 GHz, Average	233
Plot 565. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5785 MHz, 1 GHz – 7 GHz, Peak	234
Plot 566. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2437 & 5785 MHz, 7 GHz – 18 GHz, Peak	234
Plot 567. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5200 MHz, 30 MHz – 1 GHz.....	234
Plot 568. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5200 MHz, 1 GHz – 7 GHz, Average	235
Plot 569. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5200 MHz, 1 GHz – 7 GHz, Peak	235
Plot 570. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5200 MHz, 7 GHz – 18 GHz, Peak	235
Plot 571. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5300 MHz, 30 MHz – 1 GHz.....	236
Plot 572. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5300 MHz, 1 GHz – 7 GHz, Average	236
Plot 573. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5300 MHz, 1 GHz – 7 GHz, Peak	236
Plot 574. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5300 MHz, 7 GHz – 18 GHz, Peak	237
Plot 575. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5580 MHz, 30 MHz – 1 GHz.....	237
Plot 576. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5580 MHz, 1 GHz – 7 GHz, Average	237
Plot 577. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5580 MHz, 1 GHz – 7 GHz, Peak	238
Plot 578. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5580 MHz, 7 GHz – 18 GHz, Peak	238

Plot 579. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5785 MHz, 30 MHz – 1 GHz.....	238
Plot 580. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5785 MHz, 1 GHz – 7 GHz, Average	239
Plot 581. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5785 MHz, 1 GHz – 7 GHz, Peak	239
Plot 582. Co-location, Radiated Spurious Emissions, Patch, 802.11n 20 MHz, 2462 & 5785 MHz, 7 GHz – 18 GHz, Peak	239
Plot 583. Conducted Spurious Emissions, 802.11b, 2412 MHz, Low Channel, 30 MHz - 1 GHz	241
Plot 584. Conducted Spurious Emissions, 802.11b, 2412 MHz, Low Channel, 1 GHz - 26 GHz	241
Plot 585. Conducted Spurious Emissions, 802.11b, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	241
Plot 586. Conducted Spurious Emissions, 802.11b, 2437 MHz, Mid Channel, 1 GHz - 26 GHz.....	242
Plot 587. Conducted Spurious Emissions, 802.11b, 2462 MHz, High Channel, 30 MHz - 1 GHz.....	242
Plot 588. Conducted Spurious Emissions, 802.11b, 2462 MHz, High Channel, 1 GHz - 26 GHz	242
Plot 589. Conducted Spurious Emissions, 802.11g, 2412 MHz, Low Channel, 30 MHz - 1 GHz	243
Plot 590. Conducted Spurious Emissions, 802.11g, 2412 MHz, Low Channel, 1 GHz - 26 GHz	243
Plot 591. Conducted Spurious Emissions, 802.11g, 2437 MHz, Mid Channel, 30 MHz - 1 GHz	243
Plot 592. Conducted Spurious Emissions, 802.11g, 2437 MHz, Mid Channel, 1 GHz - 26 GHz.....	244
Plot 593. Conducted Spurious Emissions, 802.11g, 2462 MHz, High Channel, 30 MHz - 1 GHz.....	244
Plot 594. Conducted Spurious Emissions, 802.11g, 2462 MHz, High Channel, 1 GHz - 26 GHz	244
Plot 595. Conducted Spurious Emissions, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1, 30 MHz, 1 GHz	245
Plot 596. Conducted Spurious Emissions, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1, 1 GHz - 26 GHz	245
Plot 597. Conducted Spurious Emissions, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1, 30 MHz, 1 GHz.....	245
Plot 598. Conducted Spurious Emissions, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1, 1 GHz - 26 GHz	246
Plot 599. Conducted Spurious Emissions, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1, 30 MHz, 1 GHz	246
Plot 600. Conducted Spurious Emissions, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1, 1 GHz - 26 GHz.....	246
Plot 601. Conducted Spurious Emissions, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2, 30 MHz, 1 GHz	247
Plot 602. Conducted Spurious Emissions, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2, 1 GHz - 26 GHz	247
Plot 603. Conducted Spurious Emissions, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2, 30 MHz, 1 GHz.....	247
Plot 604. Conducted Spurious Emissions, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2, 1 GHz - 26 GHz	248
Plot 605. Conducted Spurious Emissions, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2, 30 MHz, 1 GHz	248
Plot 606. Conducted Spurious Emissions, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2, 1 GHz - 26 GHz.....	248
Plot 607. Conducted Spurious Emissions, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3, 30 MHz, 1 GHz	249
Plot 608. Conducted Spurious Emissions, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3, 1 GHz - 26 GHz	249
Plot 609. Conducted Spurious Emissions, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3, 30 MHz, 1 GHz.....	249
Plot 610. Conducted Spurious Emissions, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3, 1 GHz - 26 GHz	250
Plot 611. Conducted Spurious Emissions, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3, 30 MHz, 1 GHz	250
Plot 612. Conducted Spurious Emissions, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3, 1 GHz - 26 GHz.....	250
Plot 613. Conducted Spurious Emissions, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1, 30 MHz - 1 GHz.....	251
Plot 614. Conducted Spurious Emissions, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1, 1 GHz - 26 GHz	251
Plot 615. Conducted Spurious Emissions, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1, 30 MHz - 1 GHz	251
Plot 616. Conducted Spurious Emissions, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1, 1 GHz - 26 GHz	252
Plot 617. Conducted Spurious Emissions, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1, 30 MHz - 1 GHz.....	252
Plot 618. Conducted Spurious Emissions, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1, 1 GHz - 26 GHz.....	252
Plot 619. Conducted Spurious Emissions, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2, 30 MHz, 1 GHz.....	253
Plot 620. Conducted Spurious Emissions, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2, 1 GHz - 26 GHz	253
Plot 621. Conducted Spurious Emissions, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2, 30 MHz, 1 GHz.....	253
Plot 622. Conducted Spurious Emissions, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2, 1 GHz - 26 GHz	254
Plot 623. Conducted Spurious Emissions, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2, 30 MHz, 1 GHz	254
Plot 624. Conducted Spurious Emissions, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2, 1 GHz - 26 GHz.....	254
Plot 625. Conducted Spurious Emissions, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3, 30 MHz, 1 GHz	255
Plot 626. Conducted Spurious Emissions, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3, 1 GHz - 26 GHz	255
Plot 627. Conducted Spurious Emissions, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3, 30 MHz, 1 GHz.....	255
Plot 628. Conducted Spurious Emissions, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3, 1 GHz - 26 GHz	256
Plot 629. Conducted Spurious Emissions, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3, 30 MHz, 1 GHz	256
Plot 630. Conducted Spurious Emissions, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3, 1 GHz - 26 GHz.....	256

Plot 631. Conducted Spurious Emissions, 802.11a, 5745 MHz, Low Channel, Port 1, 30 MHz - 1 GHz	257
Plot 632. Conducted Spurious Emissions, 802.11a, 5745 MHz, Low Channel, Port 1, 1 GHz - 18 GHz.....	257
Plot 633. Conducted Spurious Emissions, 802.11a, 5745 MHz, Low Channel, Port 1, 18 GHz - 40 GHz.....	257
Plot 634. Conducted Spurious Emissions, 802.11a, 5785 MHz, Mid Channel, Port 1, 30 MHz - 1 GHz.....	258
Plot 635. Conducted Spurious Emissions, 802.11a, 5785 MHz, Mid Channel, Port 1, 1 GHz - 18 GHz	258
Plot 636. Conducted Spurious Emissions, 802.11a, 5785 MHz, Mid Channel, Port 1, 18 GHz - 40 GHz	258
Plot 637. Conducted Spurious Emissions, 802.11a, 5805 MHz, High Channel, Port 1, 30 MHz - 1 GHz	259
Plot 638. Conducted Spurious Emissions, 802.11a, 5805 MHz, High Channel, Port 1, 1 GHz - 18 GHz	259
Plot 639. Conducted Spurious Emissions, 802.11a, 5805 MHz, High Channel, Port 1, 18 GHz - 40 GHz	259
Plot 640. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1, 30 MHz - 1 GHz.....	260
Plot 641. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1, 1 GHz - 18 GHz	260
Plot 642. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1, 18 GHz - 40 GHz	260
Plot 643. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 1, 30 MHz - 1 GHz	261
Plot 644. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 1, 1 GHz - 18 GHz	261
Plot 645. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 1, 18 GHz - 40 GHz	261
Plot 646. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 1, 30 MHz - 1 GHz	262
Plot 647. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 1, 1 GHz - 18 GHz.....	262
Plot 648. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 1, 18 GHz - 40 GHz.....	262
Plot 649. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2, 30 MHz - 1 GHz.....	263
Plot 650. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2, 1 GHz - 18 GHz	263
Plot 651. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2, 18 GHz - 40 GHz	263
Plot 652. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 2, 30 MHz - 1 GHz	264
Plot 653. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 2, 1 GHz - 18 GHz	264
Plot 654. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 2, 18 GHz - 40 GHz	264
Plot 655. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 2, 30 MHz - 1 GHz	265
Plot 656. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 2, 1 GHz - 18 GHz	265
Plot 657. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 2, 18 GHz - 40 GHz.....	265
Plot 658. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3, 30 MHz - 1 GHz.....	266
Plot 659. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3, 1 GHz - 18 GHz	266
Plot 660. Conducted Spurious Emissions, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3, 18 GHz - 40 GHz	266
Plot 661. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 3, 30 MHz - 1 GHz	267
Plot 662. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 3, 1 GHz - 18 GHz.....	267
Plot 663. Conducted Spurious Emissions, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 3, 18 GHz - 40 GHz.....	267
Plot 664. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 3, 30 MHz - 1 GHz.....	268
Plot 665. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 3, 1 GHz - 18 GHz.....	268
Plot 666. Conducted Spurious Emissions, 802.11n 20 MHz, 5805 MHz, High Channel, Port 3, 18 GHz - 40 GHz.....	268
Plot 667. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 1, 30 MHz - 1 GHz.....	269
Plot 668. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 1, 1 GHz - 18 GHz	269
Plot 669. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 1, 18 GHz - 40 GHz	269
Plot 670. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1, 30 MHz - 1 GHz.....	270
Plot 671. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1, 1 GHz - 18 GHz.....	270
Plot 672. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1, 18 GHz - 40 GHz.....	270
Plot 673. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2, 30 MHz - 1 GHz.....	271
Plot 674. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2, 1 GHz - 18 GHz	271
Plot 675. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2, 18 GHz - 40 GHz	271
Plot 676. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2, 30 MHz - 1 GHz.....	272
Plot 677. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2, 1 GHz - 18 GHz.....	272
Plot 678. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2, 18 GHz - 40 GHz.....	272
Plot 679. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3, 30 MHz - 1 GHz	273
Plot 680. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3, 1 GHz - 18 GHz	273
Plot 681. Conducted Spurious Emissions, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3, 18 GHz - 40 GHz	273
Plot 682. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3, 30 MHz - 1 GHz.....	274
Plot 683. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3, 1 GHz - 18 GHz.....	274
Plot 684. Conducted Spurious Emissions, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3, 18 GHz - 40 GHz.....	274
Plot 685. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 1, 30 MHz - 1 GHz	275

Plot 686. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 1, 1 GHz - 18 GHz	275
Plot 687. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 1, 18 GHz - 40 GHz	275
Plot 688. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 2, 30 MHz - 1 GHz	276
Plot 689. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 2, 1 GHz - 18 GHz	276
Plot 690. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 2, 18 GHz - 40 GHz	276
Plot 691. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 3, 30 MHz - 1 GHz	277
Plot 692. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 3, 1 GHz - 18 GHz	277
Plot 693. Conducted Spurious Emissions, 802.11n 80MHz, 5775 MHz, Port 3, 18 GHz - 40 GHz	277
Plot 694. Conducted Band Edge, 802.11b, 2412 MHz, Port 1	278
Plot 695. Conducted Band Edge, 802.11b, 2462 MHz, Port 1	278
Plot 696. Conducted Band Edge, 802.11g, 2412 MHz, Port 1	279
Plot 697. Conducted Band Edge, 802.11g, 2462 MHz, Port 1	279
Plot 698. Conducted Band Edge, 802.11n 20 MHz, 2412 MHz, Port 1	280
Plot 699. Conducted Band Edge, 802.11n 20 MHz, 2462 MHz, Port 1	280
Plot 700. Conducted Band Edge, 802.11n 20 MHz, 2412 MHz, Port 2	281
Plot 701. Conducted Band Edge, 802.11n 20 MHz, 2462 MHz, Port 2	281
Plot 702. Conducted Band Edge, 802.11n 20 MHz, 2412 MHz, Port 3	282
Plot 703. Conducted Band Edge, 802.11n 20 MHz, 2462 MHz, Port 3	282
Plot 704. Conducted Band Edge, 802.11n 40 MHz, 2422 MHz, Port 1	283
Plot 705. Conducted Band Edge, 802.11n 40 MHz, 2452 MHz, Port 1	283
Plot 706. Conducted Band Edge, 802.11n 40 MHz, 2422 MHz, Port 2	284
Plot 707. Conducted Band Edge, 802.11n 40 MHz, 2452 MHz, Port 2	284
Plot 708. Conducted Band Edge, 802.11n 40 MHz, 2422 MHz, Port 3	285
Plot 709. Conducted Band Edge, 802.11n 40 MHz, 2452 MHz, Port 3	285
Plot 710. Conducted Band Edge, 802.11a 20 MHz, 5745 MHz, Low Channel, Port 1	286
Plot 711. Conducted Band Edge, 802.11a 20 MHz, 5805 MHz, High Channel, Port 1	286
Plot 712. Conducted Band Edge, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1	287
Plot 713. Conducted Band Edge, 802.11n 20 MHz, 5805 MHz, High Channel, Port 1	287
Plot 714. Conducted Band Edge, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2	288
Plot 715. Conducted Band Edge, 802.11n 20 MHz, 5805 MHz, High Channel, Port 2	288
Plot 716. Conducted Band Edge, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3	289
Plot 717. Conducted Band Edge, 802.11n 20 MHz, 5805 MHz, High Channel, Port 3	289
Plot 718. Conducted Band Edge, 802.11n 40 MHz, 5755 MHz Low Channel, Port 1	290
Plot 719. Conducted Band Edge, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1	290
Plot 720. Conducted Band Edge, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2	291
Plot 721. Conducted Band Edge, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2	291
Plot 722. Conducted Band Edge, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3	292
Plot 723. Conducted Band Edge, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3	292
Plot 724. Conducted Band Edge, 802.11n 80 MHz, 5775 MHz, Port 1, Low Band Edge	293
Plot 725. Conducted Band Edge, 802.11n 80 MHz, 5775 MHz, Port 1, High Band Edge	293
Plot 726. Conducted Band Edge, 802.11n 80 MHz, 5775 MHz, Port 2, Low Band Edge	294
Plot 727. Conducted Band Edge, 802.11n 80 MHz, 5775 MHz, Port 2, High Band Edge	294
Plot 728. Conducted Band Edge, 802.11n 80 MHz, 5775 MHz, Port 3, Low Band Edge	295
Plot 729. Band Edge, 802.11n 80 MHz, 5775 MHz, Port 3, High Band Edge	295
Plot 730. Peak Spectral Density, 802.11b 20 MHz, 2412 MHz, Low Channel	299
Plot 731. Peak Spectral Density, 802.11b 20 MHz, 2437 MHz, Mid Channel	299
Plot 732. Peak Spectral Density, 802.11b 20 MHz, 2462 MHz, High Channel	299
Plot 733. Peak Spectral Density, 802.11g 20 MHz, 2412 MHz, Low Channel	300
Plot 734. Peak Spectral Density, 802.11g 20 MHz, 2437 MHz, Mid Channel	300
Plot 735. Peak Spectral Density, 802.11g 20 MHz, 2462 MHz, High Channel	300
Plot 736. Peak Spectral Density, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1	301
Plot 737. Peak Spectral Density, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1	301
Plot 738. Peak Spectral Density, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1	301
Plot 739. Peak Spectral Density, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2	302
Plot 740. Peak Spectral Density, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2	302

Plot 741. Peak Spectral Density, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2.....	302
Plot 742. Peak Spectral Density, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3	303
Plot 743. Peak Spectral Density, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3.....	303
Plot 744. Peak Spectral Density, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3.....	303
Plot 745. Peak Spectral Density, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1	304
Plot 746. Peak Spectral Density, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1	304
Plot 747. Peak Spectral Density, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1.....	304
Plot 748. Peak Spectral Density, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2	305
Plot 749. Peak Spectral Density, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2.....	305
Plot 750. Peak Spectral Density, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2.....	305
Plot 751. Peak Spectral Density, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3	306
Plot 752. Peak Spectral Density, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3.....	306
Plot 753. Peak Spectral Density, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3.....	306
Plot 754. Power Spectral Density, 802.11a, 5745 MHz, Low Channel, Port 1	307
Plot 755. Power Spectral Density, 802.11a, 5785 MHz, Mid Channel, Port 1.....	307
Plot 756. Power Spectral Density, 802.11a, 5825 MHz, High Channel, Port 1	307
Plot 757. Power Spectral Density, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1	308
Plot 758. Power Spectral Density, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 1	308
Plot 759. Power Spectral Density, 802.11n 20 MHz, 5825 MHz, High Channel, Port 1	308
Plot 760. Power Spectral Density, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2	309
Plot 761. Power Spectral Density, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 2	309
Plot 762. Power Spectral Density, 802.11n 20 MHz, 5825 MHz, High Channel, Port 2	309
Plot 763. Power Spectral Density, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3.....	310
Plot 764. Power Spectral Density, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 3	310
Plot 765. Power Spectral Density, 802.11n 20 MHz, 5825 MHz, High Channel, Port 3	310
Plot 766. Power Spectral Density, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 1	311
Plot 767. Power Spectral Density, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1	311
Plot 768. Power Spectral Density, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2.....	312
Plot 769. Power Spectral Density, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2	312
Plot 770. Power Spectral Density, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3.....	313
Plot 771. Power Spectral Density, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3	313
Plot 772. Power Spectral Density, 802.11n 80 MHz, 5775 MHz, Port 1	314
Plot 773. Power Spectral Density, 802.11n 80 MHz, 5775 MHz, Port 2	314
Plot 774. Power Spectral Density, 802.11n 80 MHz, 5775 MHz, Port 3	314
Plot 775. Receiver Spurious Emission, 30 MHz – 1 GHz, Port 1	317
Plot 776. Receiver Spurious Emission, 1 GHz – 18 GHz, Port 1.....	317
Plot 777. Receiver Spurious Emission, 30 MHz – 1 GHz, Port 2	318
Plot 778. Receiver Spurious Emission, 1 GHz – 18 GHz, Port 2.....	318
Plot 779. Receiver Spurious Emission, 30 MHz – 1 GHz, Port 3	319
Plot 780. Receiver Spurious Emission, 1 GHz – 18 GHz, Port 3.....	319

List of Figures

Figure 1. Block Diagram of Test Configuration.....	6
Figure 2. Block Diagram, Occupied Bandwidth Test Setup.....	28
Figure 3. Peak Power Output Test Setup.....	65
Figure 4. Block Diagram, Conducted Spurious Emissions Test Setup.....	240
Figure 5. Block Diagram, Peak Power Spectral Density Test Setup	296
Figure 6. Block Diagram, Conducted Receiver Spurious Emissions Test Setup	316

List of Terms and Abbreviations

AC	Alternating Current
ACF	Antenna Correction Factor
Cal	Calibration
<i>d</i>	Measurement Distance
dB	Decibels
dB μ A	Decibels above one microamp
dB μ V	Decibels above one microvolt
dB μ A/m	Decibels above one microamp per meter
dB μ V/m	Decibels above one microvolt per meter
DC	Direct Current
E	Electric Field
DSL	Digital Subscriber Line
ESD	Electrostatic Discharge
EUT	Equipment Under Test
<i>f</i>	Frequency
FCC	Federal Communications Commission
GRP	Ground Reference Plane
H	Magnetic Field
HCP	Horizontal Coupling Plane
Hz	Hertz
IEC	International Electrotechnical Commission
kHz	kilohertz
kPa	kilopascal
kV	kilovolt
LISN	Line Impedance Stabilization Network
MHz	Megahertz
μ H	microhenry
μ	microfarad
μ s	microseconds
NEBS	Network Equipment-Building System
PRF	Pulse Repetition Frequency
RF	Radio Frequency
RMS	Root-Mean-Square
TWT	Traveling Wave Tube
V/m	Volts per meter
VCP	Vertical Coupling Plane

I. Executive Summary

A. Purpose of Test

An EMC evaluation was performed to determine compliance of the Meru Networks, Inc. AP832e, with the requirements of Part 15, §15.247. All references are to the most current version of Title 47 of the Code of Federal Regulations in effect. In accordance with §2.1033, the following data is presented in support of the Certification of the AP832e. Meru Networks, Inc. should retain a copy of this document which should be kept on file for at least two years after the manufacturing of the AP832e, has been **permanently** discontinued.

B. Executive Summary

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15, §15.247, in accordance with Meru Networks, Inc., purchase order number 104838. All tests were conducted using measurement procedure ANSI C63.4-2003.

FCC Reference 47 CFR Part 15.247:2005	IC Reference RSS-210 Issue 8: 2010; RSS-GEN Issue 3: 2010	Description	Compliance
47 CFR Part 15.107 (a)	ICES-003 Issue 5 August 2012	Conducted Emission Limits for a Class B Digital Device	Compliant
47 CFR Part 15.109 (a)	ICES-003 Issue 5 August 2012	Radiated Emission Limits for a Class B Digital Device	Compliant
Title 47 of the CFR, Part 15 §15.203	N/A	Antenna Requirement	Compliant
Title 47 of the CFR, Part 15 §15.207(a)	RSS-GEN (7.2.4)	Conducted Emission Limits	Compliant
Title 47 of the CFR, Part 15 §15.247(a)(2)	RSS-Gen(4.6)	6dB Occupied Bandwidth	Compliant
		99% Occupied Bandwidth	Compliant
Title 47 of the CFR, Part 15 §15.247(b)	RSS-210(A8.4)	Peak Power Output	Compliant
Title 47 of the CFR, Part 15 §15.247(d); §15.209; §15.205	RSS-210(A8.5)	Radiated Spurious Emissions Requirements	Compliant
Title 47 of the CFR, Part 15 §15.247(d)	RSS-210(A8.5)	RF Conducted Spurious Emissions Requirements	Compliant
Title 47 of the CFR, Part 15 §15.247(d)	RSS-210(A8.5)	RF Conducted Band Edge	Compliant
Title 47 of the CFR, Part 15; §15.247(e)	RSS-210(A8.2)	Peak Power Spectral Density	Compliant
Title 47 of the CFR, Part 15 §15.247(i)	RSS-Gen(5.6)	Maximum Permissible Exposure (MPE)	Compliant
N/A	RSS-Gen(4.10)	Receiver Spurious Emissions	Compliant

Table 1. Executive Summary of EMC Part 15.247 Compliance Testing

II. Equipment Configuration

A. Overview

MET Laboratories, Inc. was contracted by Meru Networks, Inc. to perform testing on the AP832e, under Meru Networks, Inc.'s purchase order number 104838.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of the Meru Networks, Inc., AP832e.

The results obtained relate only to the item(s) tested.

Model(s) Tested:	AP832e		
Model(s) Covered:	AP832e		
EUT Specifications:	Primary Power: 120 VAC, 60 Hz		
	FCC ID: RE7-AP832E IC: 6749A-AP832E		
	Type of Modulations:	DSSS/OFDM	
	Equipment Code:	DTS	
	Peak RF Output Power:	28.56dBm	
	EUT Frequency Ranges:	20MHz – 2412-2462MHz, 5745-5825MHz 40MHz – 2422-2452MHz, 5755-5795MHz 80MHz – 5775MHz	
Analysis:	The results obtained relate only to the item(s) tested.		
Environmental Test Conditions:	Temperature: 15-35° C		
	Relative Humidity: 30-60%		
	Barometric Pressure: 860-1060 mbar		
Evaluated by:	Jonathan Chao		
Report Date(s):	April 17, 2013		

Table 2. EUT Summary Table

B. References

CFR 47, Part 15, Subpart C	Federal Communication Commission, Code of Federal Regulations, Title 47, Part 15: General Rules and Regulations, Allocation, Assignment, and Use of Radio Frequencies
CFR 47, Part 15, Subpart B	Electromagnetic Compatibility: Criteria for Radio Frequency Devices
RSS-210, Issue 8, Dec. 2010	Low-power Licence-exempt Radiocommunications Devices (All Frequency Bands): Category I Equipment
RSS-GEN, Issue 3, Dec. 2010	General Requirements and Information for the Certification of Radio Apparatus
ICES-003, Issue 5 August 2012	Information Technology Equipment (ITE) — Limits and methods of measurement
ANSI C63.4:2003	Methods and Measurements of Radio-Noise Emissions from Low-Voltage Electrical And Electronic Equipment in the Range of 9 kHz to 40 GHz
ISO/IEC 17025:2005	General Requirements for the Competence of Testing and Calibration Laboratories
ANSI C63.10-2009	American National Standard for Testing Unlicensed Wireless Devices

Table 3. References

C. Test Site

All testing was performed at MET Laboratories, Inc., 3162 Belick St., Santa Clara, CA 95054. All equipment used in making physical determinations is accurate and bears recent traceability to the National Institute of Standards and Technology.

Radiated Emissions measurements were performed in a 10 meter semi-anechoic chamber (equivalent to an Open Area Test Site). In accordance with §2.948(a)(3), a complete site description is contained at MET Laboratories.

D. Description of Test Sample

The Meru Networks, Inc. AP832e, Equipment Under Test (EUT), is an 802.11AC wireless access point (WAP) that allows wireless devices to connect to a wired network using Wi-Fi, standard. The WAP usually connects to a router (via a wired network), and can relay data between the wireless devices (such as computers or printers) and wired devices on the network.



E. Equipment Configuration

The EUT was set up as outlined in Figure 1, Block Diagram of Test Setup. All cards, racks, etc., incorporated as part of the EUT is included in the following list.

Ref. ID	Name / Description	Model Number	Serial Number
3	Dual Radio Access Point	AP832e	4812A832e11252F
4	Dual Radio Access Point	AP832e	4812A832e112529

Table 4. Equipment Configuration

F. Support Equipment

Support equipment necessary for the operation and testing of the EUT is included in the following list.

Type	Model and Serial Number
Antenna	ANT-ABGN23O-W Omni directional rubber duct Dual-Band
Antenna	ANT-I3ABGN-0304-O Ceiling mount Omni Dual-Band 3 x 3 MIMO
Antenna	ANT-O6ABGN-0606-O Outdoor Omi Dual-Band 3X3 MIMO
Antenna	ANT-O6ABGN-0607-PT Wall mount Dual-Band 3 X 3 MIMO
PoE	PD-9001GR/AC
AC/DC	DC Adapter - GS18A12-P1J
Cable	Serial cable
Cable	Shielded Ethernet cable

Table 5. Support Equipment

G. Ports and Cabling Information

The EUT did not require any support equipment for operation or monitoring.

H. Mode of Operation

During the normal operation the configuration is controlled by the Meru controller which sets the country code, ESSID, Operating frequency band and Channel etc.

I. Method of Monitoring EUT Operation

During the normal operation with controller Green or Blue LED indication on the Access point indicate the normal operation of the Access point. A Red LED indicates a failure of hardware or software settings.

J. Modifications

a) Modifications to EUT

No modifications were made to the EUT.

b) Modifications to Test Standard

No modifications were made to the test standard.

K. Disposition of EUT

The test sample including all support equipment submitted to the Electro-Magnetic Compatibility Lab for testing was returned to Meru Networks, Inc. upon completion of testing.



III. Electromagnetic Compatibility Criteria for Unintentional Radiators

Electromagnetic Compatibility Criteria

§ 15.107 Conducted Emissions Limits

Test Requirement(s): **15.107 (a)** Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in Table 6. Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

15.107 (b) For a Class A digital device that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in Table 6. Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals. The lower limit applies at the band edges.

Frequency range (MHz)	Class A Conducted Limits (dB μ V)		*Class B Conducted Limits (dB μ V)	
	Quasi-Peak	Average	Quasi-Peak	Average
* 0.15- 0.45	79	66	66 - 56	56 - 46
0.45 - 0.5	79	66	56	46
0.5 - 30	73	60	60	50
Note 1 — The lower limit shall apply at the transition frequencies. Note 2 — The limit decreases linearly with the logarithm if the frequency in the range 0.15 MHz to 0.5 MHz.				

Table 6. Conducted Limits for Radio Frequency Devices calculated from FCC Part 15 Subsections 15.107(a) (b)

Test Procedures: The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a screen room. The method of testing, test conditions, and test procedures of ANSI C63.4 were used. The EUT was powered through a 50 Ω /50 μ H LISN. An EMI receiver, connected to the measurement port of the LISN, scanned the frequency range from 150 kHz to 30 MHz in order to find the peak conducted emissions. All peak emissions within 6 dB of the limit were re-measured using a quasi-peak and/or average detector as appropriate.

Test Results: The EUT was compliant with the Class B requirement(s) of this section. Measured emissions were below applicable limits.

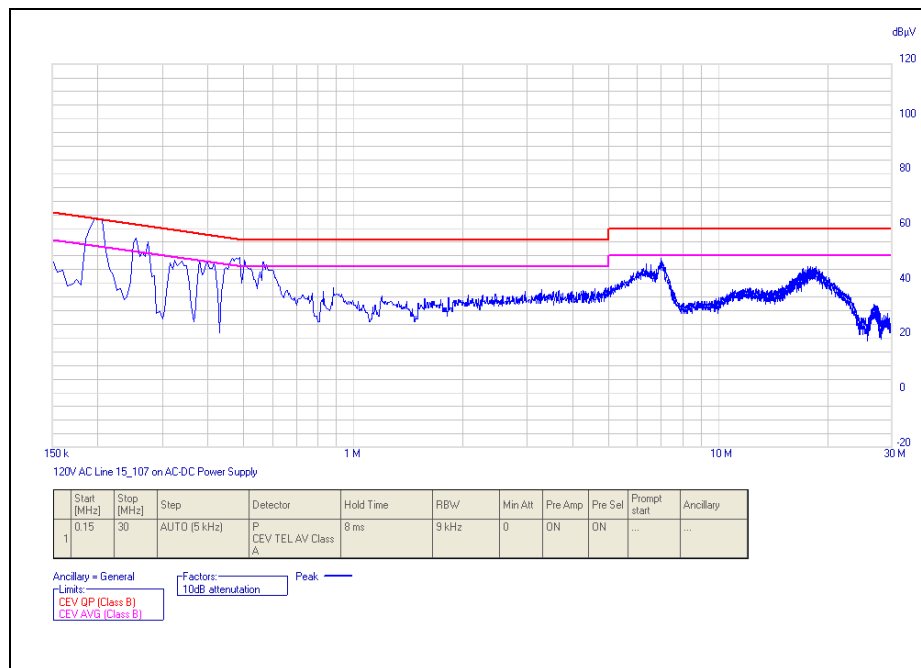
Test Engineer(s): Joseph Dizon

Test Date(s): 01/31/13 & 02/01/13

Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz), AC-DC Power Supply

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Line 15.107	0.195	63.56	63.827	-0.267	Pass	42.56	53.827	-11.267	Pass
120V AC Line 15.107	0.255	55.66	61.605	-5.945	Pass	33.14	51.605	-18.465	Pass
120V AC Line 15.107	0.275	54.34	60.979	-6.639	Pass	32.31	50.979	-18.669	Pass

Table 7. Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz), AC-DC Power Supply

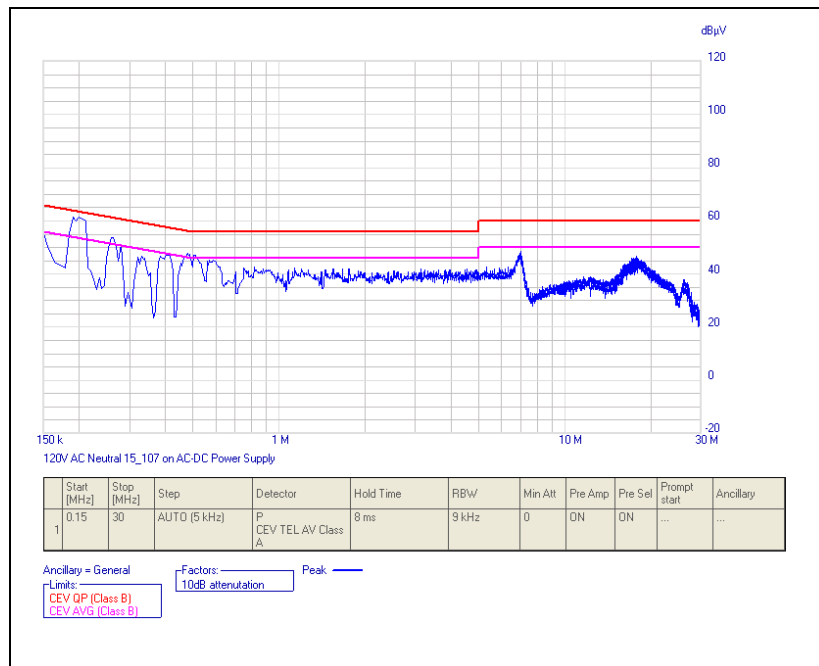


Plot 1. Conducted Emission, Phase Line Plot, AC-DC Power Supply

Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz), AC-DC Power Supply

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Neutral 15.107	0.15	53.23	66	-12.77	Pass	23.71	56	-32.29	Pass
120V AC Neutral 15.107	0.2	57.39	63.617	-6.227	Pass	38.46	53.617	-15.157	Pass
120V AC Neutral 15.107	0.265	48.4	61.286	-12.886	Pass	33.07	51.286	-18.216	Pass

Table 8. Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz), AC-DC Power Supply

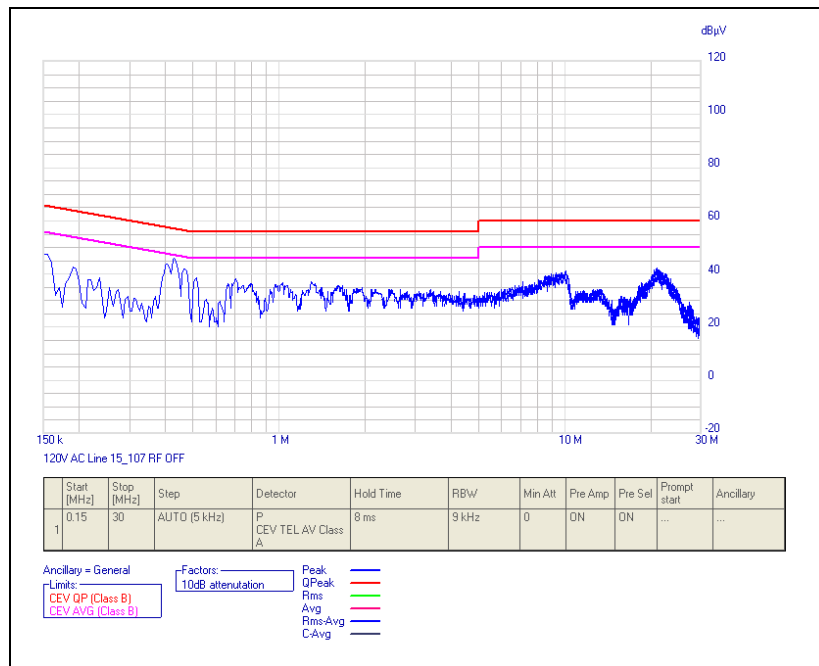


Plot 2. Conducted Emission, Neutral Line Plot, AC-DC Power Supply

Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz), PoE

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Line 15.107	0.155	51.05	65.728	-14.678	Pass	34.3	55.728	-21.428	Pass
120V AC Line 15.107	0.405	44	57.773	-13.773	Pass	34.78	47.773	-12.993	Pass
120V AC Line 15.107	0.43	46.68	57.277	-10.597	Pass	39	47.277	-8.277	Pass

Table 9. Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz), PoE

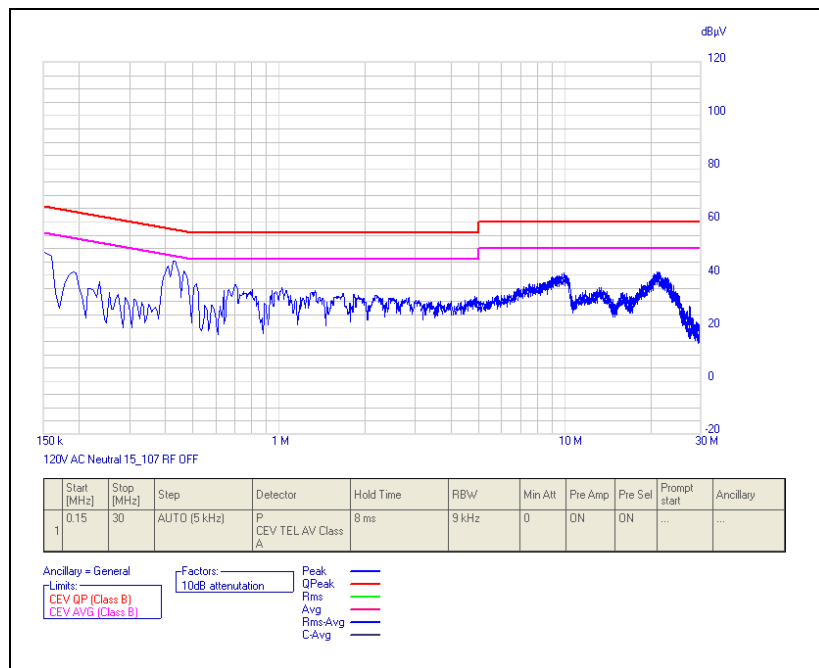


Plot 3. Conducted Emission, Phase Line Plot, PoE

Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz), PoE

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Neutral 15.107	0.15	53.73	66	-12.27	Pass	31.84	56	-24.16	Pass
120V AC Neutral 15.107	0.41	43.5	57.671	-14.171	Pass	28.96	47.671	-18.711	Pass
120V AC Neutral 15.107	0.43	46.04	57.277	-11.237	Pass	38.26	47.277	-9.017	Pass

Table 10. Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz), PoE



Plot 4. Conducted Emission, Neutral Line Plot, PoE

Radiated Emission Limits

§ 15.109 Radiated Emissions Limits

Test Requirement(s): **15.109 (a)** Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the Class B limits expressed in Table 11.

15.109 (b) The field strength of radiated emissions from a Class A digital device, as determined at a distance of 10 meters, shall not exceed the Class A limits expressed in Table 11.

Frequency (MHz)	Field Strength (dBµV/m)	
	§15.109 (b), Class A Limit (dBµV) @ 10m	§15.109 (a), Class B Limit (dBµV) @ 3m
30 - 88	39.00	40.00
88 - 216	43.50	43.50
216 - 960	46.40	46.00
Above 960	49.50	54.00

Table 11. Radiated Emissions Limits calculated from FCC Part 15, §15.109 (a) (b)

Test Procedures: The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. The method of testing and test conditions of ANSI C63.4 were used. An antenna was located 10m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. Unless otherwise specified, measurements were made using a quasi-peak detector with a 120 kHz bandwidth.

Test Results: The EUT was compliant with the Class B requirement(s) of this section. Measured emissions were below applicable limits.

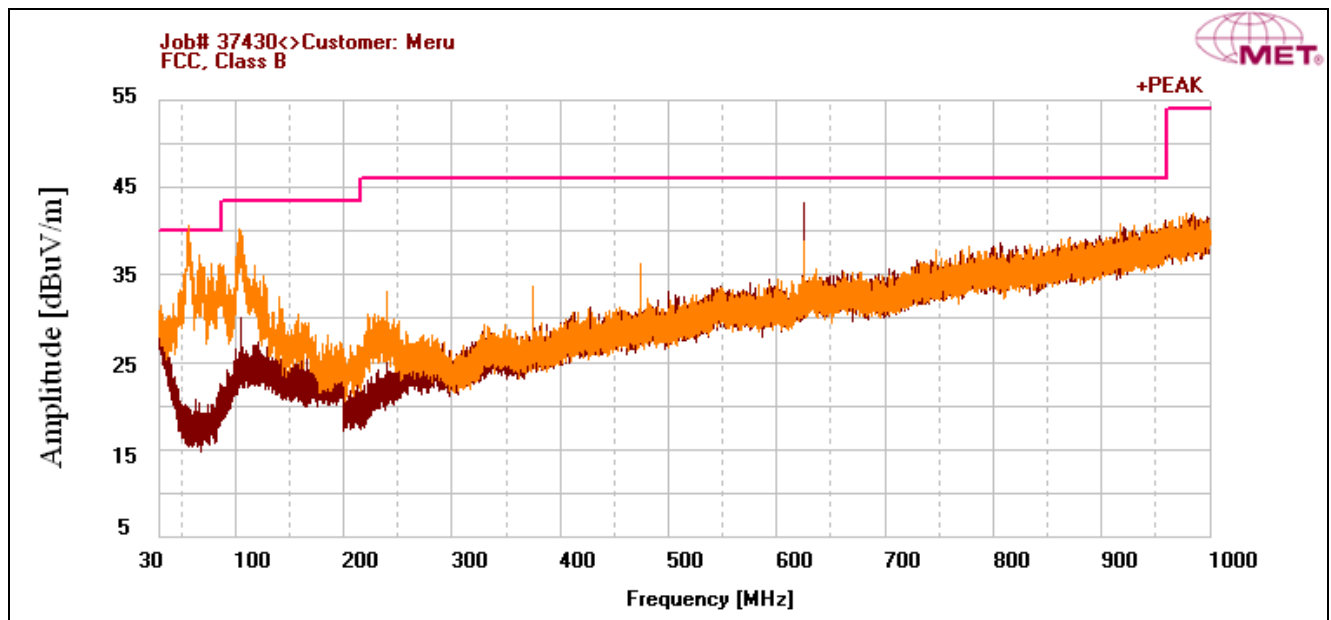
Test Engineer(s): John Frank & Joseph Dizon

Test Date(s): 01/18/13

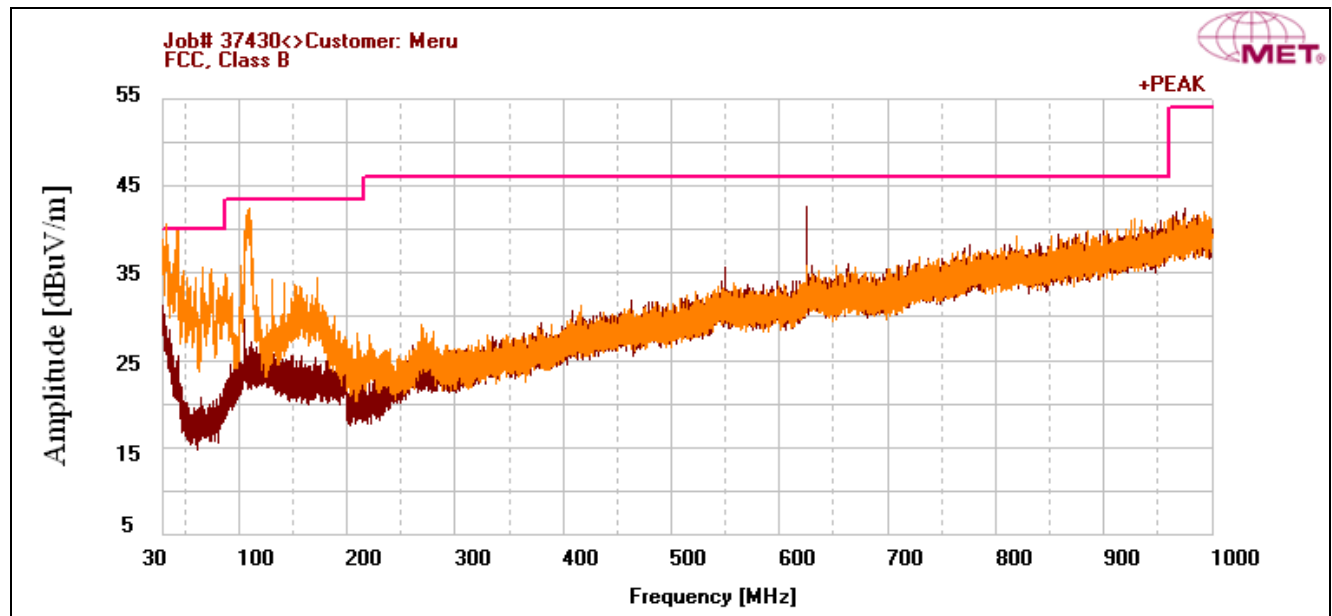
Radiated Emissions Limits Test Results, Class B

Frequency (MHz)	Antenna Polarity	EUT Azimuth (Degrees)	Antenna Height (cm)	Uncorrected Amplitude (dBuV)	ACF (dB/m)	Pre Amp Gain (dB)	CBL (dB)	DCF (dB)	Corrected Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
57.095	V	46.6	100	50.03	6.4	30.203	0	10.46	36.687	40	-3.313
104.045	V	139	100	44.742	11.609	29.59	0	10.46	37.221	43.5	-6.279
239.995	V	181	100	39.522	11.3	28.398	0	10.46	32.884	46	-13.116
374.982	V	315	100	34.538	15.198	27.623	0	10.46	32.573	46	-13.427
475.008	V	167	100	34.619	16.801	27.167	0	10.46	34.713	46	-11.287
624.988	H	131	100	38.62	19.199	26.613	0	10.46	41.666	46	-4.334

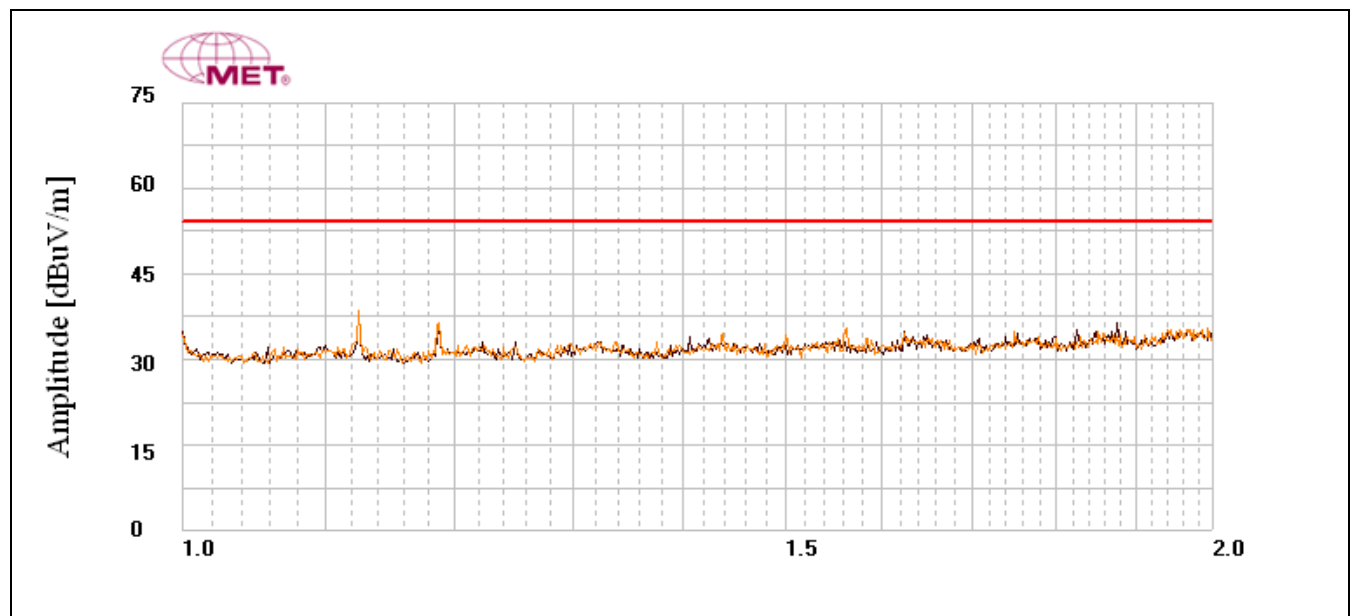
Table 12. Radiated Emissions Limits, Test Results, 30 MHz – 1 GHz, FCC Limits



Plot 5. Radiated Emissions, 30 MHz - 1 GHz, FCC Limits, AC-DC Power Supply



Plot 6. Radiated Emissions, 30 MHz - 1 GHz, FCC Limits, PoE

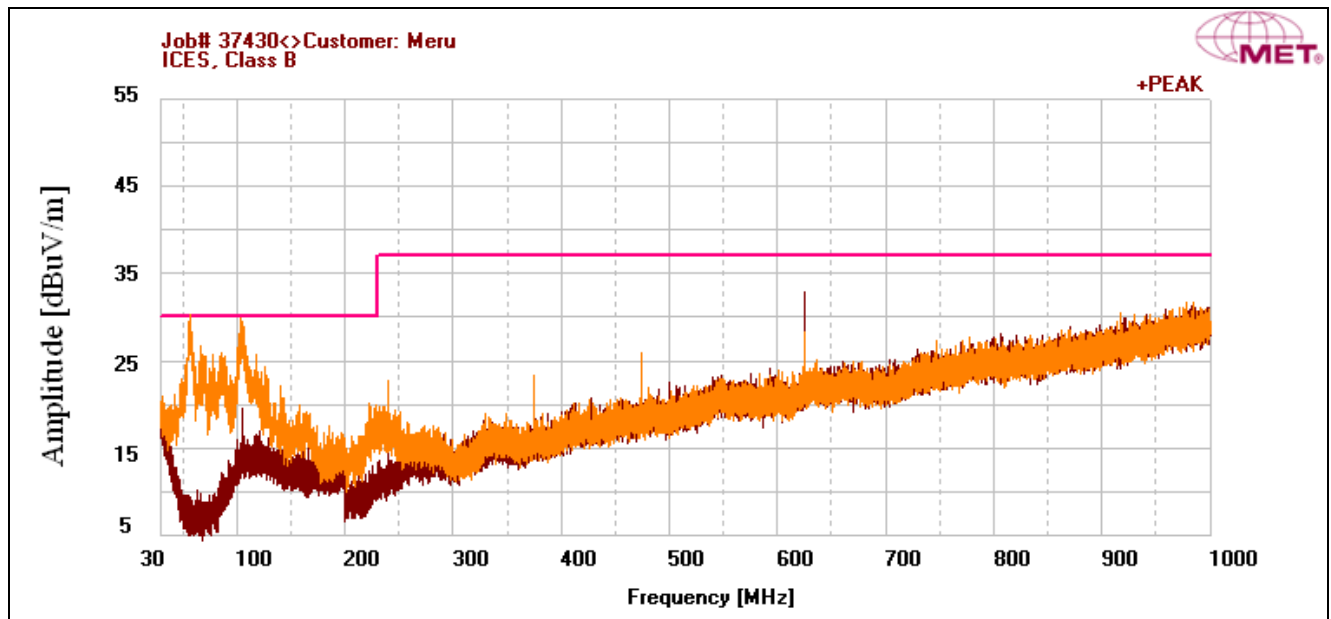


Plot 7. Radiated Emissions, Above 1 GHz, FCC Limits

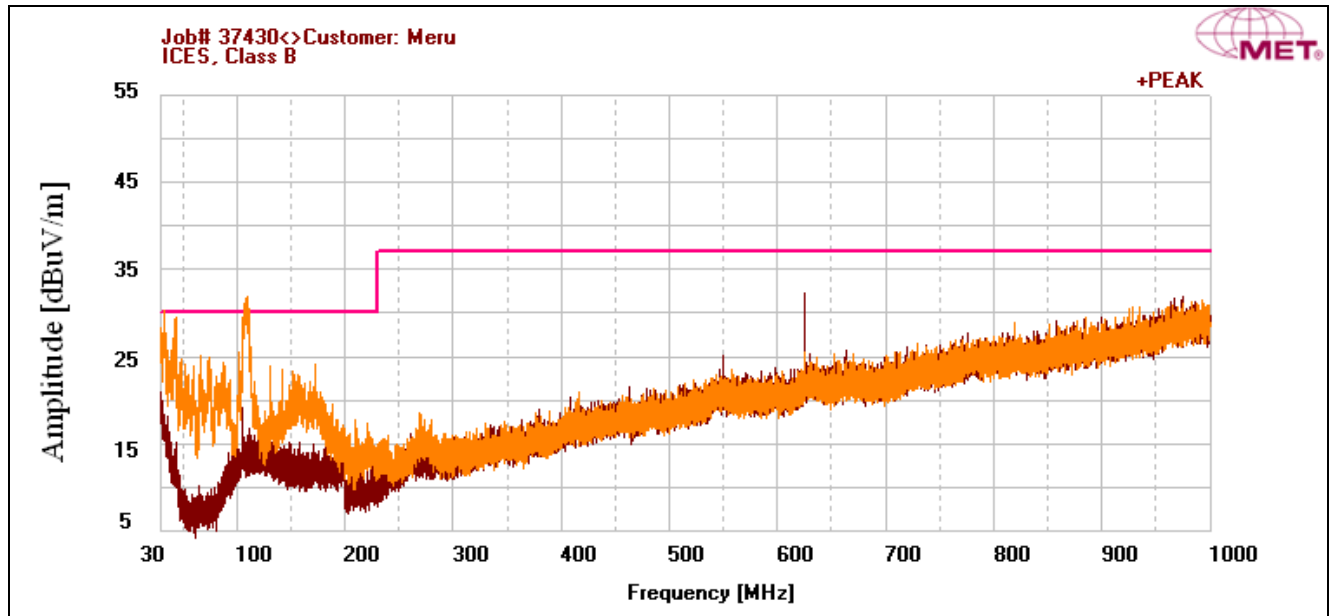
Radiated Emissions Limits Test Results, Class B

Frequency (MHz)	Antenna Polarity	EUT Azimuth (Degrees)	Antenna Height (cm)	Uncorrected Amplitude (dBuV)	ACF (dB/m)	Pre Amp Gain (dB)	CBL (dB)	DCF (dB)	Corrected Amplitude (dBuV)	Limit (dBuV)	Margin (dB)
57.095	V	46.6	100	50.03	6.4	30.203	0	0	26.227	30	-3.773
104.045	V	139	100	44.742	11.609	29.59	0	0	26.761	30	-3.239
239.995	V	181	100	39.522	11.3	28.398	0	0	22.424	37	-14.576
374.982	V	315	100	34.538	15.198	27.623	0	0	22.113	37	-14.887
475.008	V	167	100	34.619	16.801	27.167	0	0	24.253	37	-12.747
624.988	H	131	100	38.62	19.199	26.613	0	0	31.206	37	-5.794

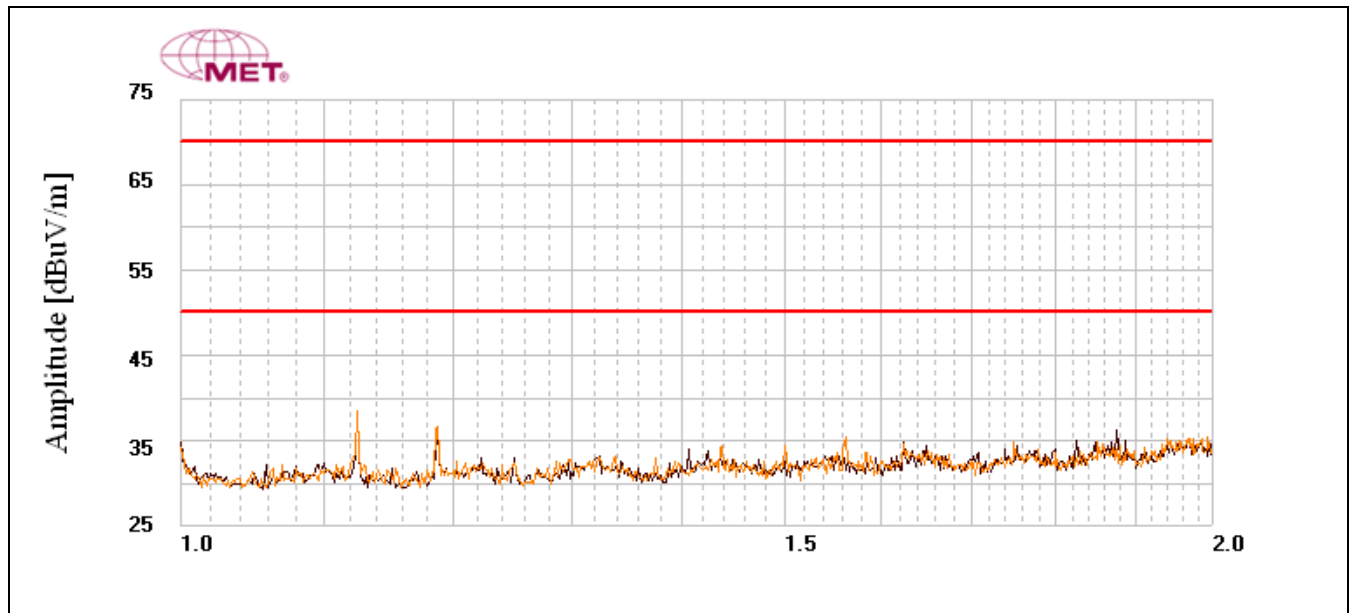
Table 13. Radiated Emissions Limits, Test Results, ICES-003 Limits



Plot 8. Radiated Emissions, ICES-003 Limits, AC-DC Power Supply, 30 MHz – 1 GHz



Plot 9. Radiated Emissions, ICES-003 Limits, PoE, 30 MHz – 1 GHz



Plot 10. Radiated Emissions, Above 1 GHz, ICES-003 Limits

IV. Electromagnetic Compatibility Criteria for Intentional Radiators

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.203 Antenna Requirement

Test Requirement:

§ 15.203: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

The structure and application of the EUT were analyzed to determine compliance with Section 15.203 of the Rules. Section 15.203 states that the subject device must meet at least one of the following criteria:

- a.) Antenna must be permanently attached to the unit.
- b.) Antenna must use a unique type of connector to attach to the EUT.
- c.) Unit must be professionally installed. Installer shall be responsible for verifying that the correct antenna is employed with the unit.

Results:

The EUT as tested is compliant the criteria of §15.203. EUT employs a unique reverse SMA connector and are professionally installed. Table 14 contains the antennas tested with the EUT. Table 15 contains lower gain antennas that were not tested but customer would like to sell with his product.

Test Engineer(s): Jonathan Chao

Test Date(s): 02/18/13

Gain (dBi)		Antenna Type	Antenna Description	Manufacturer	Model Number
2.4 GHz	5 GHz				
2	2	Dipole	Omni Directional Rubber Duct Dual-Band	SOCAA	ANT-ABGN-0304-W
3	4	Dipole	Omni Directional Ceiling Mount Dual-Band 3 x 3 MIMO	Terrawave Solutions	ANT-I3ABGN-0304-O
6	6	Dipole	Omni Directional Cane Dual-Band 3 x 3 MIMO	Terrawave Solutions	ANT-06ABGN-0606-O
6	7	Patch	Directional Wall Mount Dual-Band 3 x 3 MIMO	Terrawave Solutions	ANT-06ABGN-0607-PT

Table 14. Antenna List

Meru Part Number	Manufacturer P/N	Manufacturer	Description	Gain
ANT-ABGN230-W	--	SOCAA	Dual band omnidirectional dipole antenna	2/3 dBi
ANT-ABGN-23	S24493TS	Laird Technologies	Dual band ceiling mount omnidirectional 3-lead antenna	3/4 dBi
ANT-6ABGN-24	M6025040MO1D3620P	Terrawave	Dual band ceiling mount omnidirectional 6-lead antenna	2.5/4 dBi
ANT-ABGN470	ANT-DB1-RAF-RPS	Linx Technologies	Dual band high gain dipole omnidirectional antenna	4.7/4.7 dBi
ANT-O6ABGN-0606-O	M6060060MO1D3620O	Terrawave	Dual band omnidirectional 6-lead antenna	6/6 dBi
ANT-I2ABGN-0304-O	M6030040O1D3620DP	Terrawave	Dual band ceiling mount omnidirectional 2-lead antenna	3/4 dBi
ANT-I3ABGN-0304-O	M6030040O1D1820MP	Terrawave	Dual band ceiling mount omnidirectional 3-lead antenna	3/4 dBi
ANT-O4ABGN-0607-PT	M6060070P23620	Terrawave	Dual band wall mount patch 4-lead antenna	6/7 dBi
ANT-O6ABGN-0607-PT	M6060070MP13620	Terrawave	Dual band wall mount patch 6-lead antenna	6/7 dBi

Table 15. Additional Antennas

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.207(a) Conducted Emissions Limits

Test Requirement(s): § 15.207 (a): For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 Σ line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency range (MHz)	§ 15.207(a), Conducted Limit (dB μ V)	
	Quasi-Peak	Average
* 0.15- 0.45	66 - 56	56 - 46
0.45 - 0.5	56	46
0.5 - 30	60	50

Table 16. Conducted Limits for Intentional Radiators from FCC Part 15 § 15.207(a)

Test Procedure: The EUT was placed on a 0.8 m-high wooden table inside a screen room. The EUT was situated such that the back of the EUT was 0.4 m from one wall of the vertical ground plane, and the remaining sides of the EUT were no closer than 0.8 m from any other conductive surface. The EUT was powered from a 50 Ω /50 μ H Line Impedance Stabilization Network (LISN). The EMC receiver scanned the frequency range from 150 kHz to 30 MHz. Conducted Emissions measurements were made in accordance with ANSI C63.4-2003 "Methods and Measurements of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40 GHz". The measurements were performed over the frequency range of 0.15 MHz to 30 MHz using a 50 Ω /50 μ H LISN as the input transducer to an EMC/field intensity meter. For the purpose of this testing, the transmitter was turned on. Scans were performed with the transmitter on.

Test Results: The EUT was compliant with this requirement.

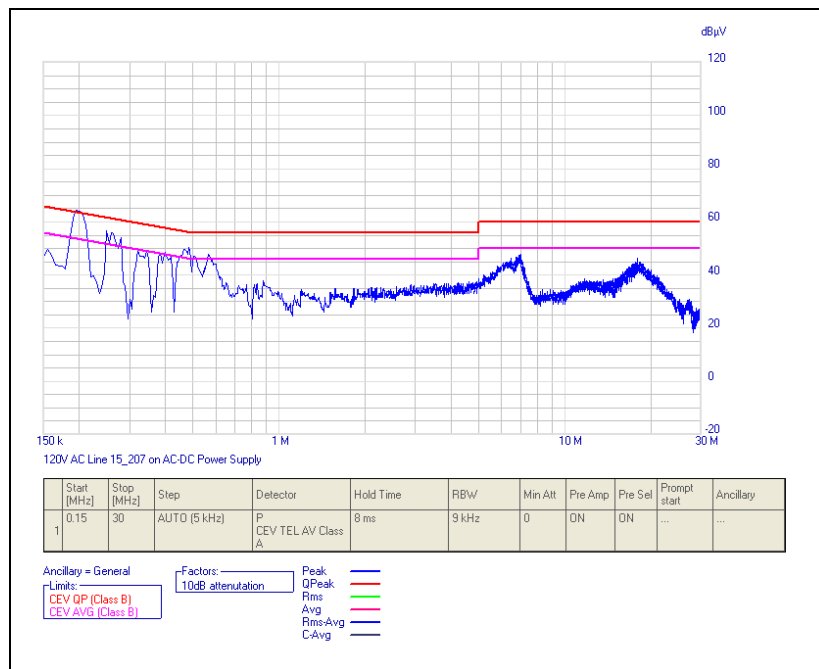
Test Engineer(s): Joseph Dizon

Test Date(s): 01/31/13 & 02/01/13

15.207(a) Conducted Emissions Test Results, AC-DC Power Supply

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Line 15.207	0.195	63.35	63.827	-0.477	Pass	43.02	53.827	-10.807	Pass
120V AC Line 15.207	0.25	55.66	61.769	-6.109	Pass	30.01	51.769	-21.759	Pass
120V AC Line 15.207	0.485	51.48	56.26	-4.78	Pass	32.42	46.26	-13.84	Pass

Table 17. Conducted Emissions, 15.207(a), Phase Line, Test Results, AC-DC Power Supply

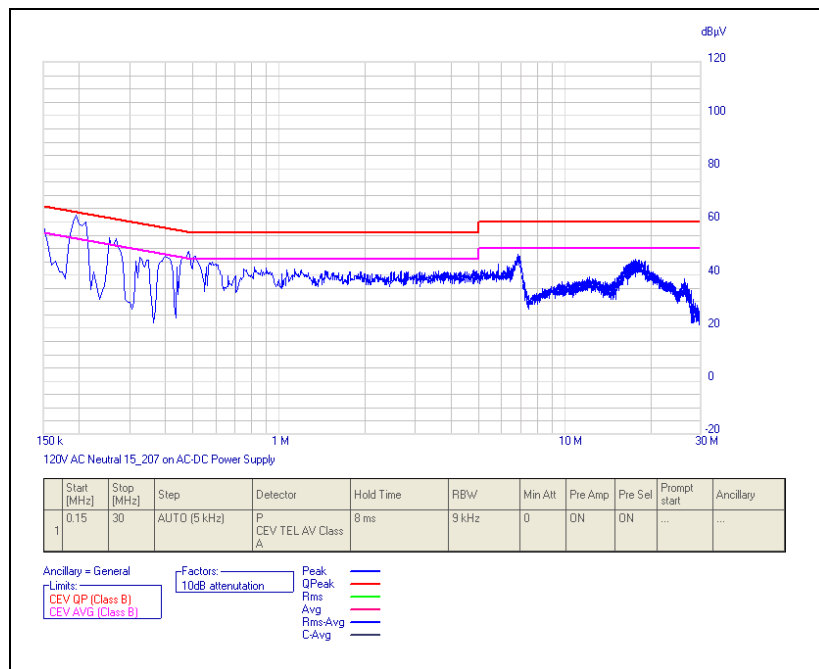


Plot 11. Conducted Emissions, 15.207(a), Phase Line, AC-DC Power Supply

15.207(a) Conducted Emissions Test Results, AC-DC Power Supply

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Neutral 15.207	0.15	53.37	66	-12.63	Pass	23.86	56	-32.14	Pass
120V AC Neutral 15.207	0.195	62.75	63.827	-1.077	Pass	39.32	53.827	-14.507	Pass
120V AC Neutral 15.207	0.255	54.71	61.605	-6.895	Pass	30.65	51.605	-20.955	Pass

Table 18. Conducted Emissions, 15.207(a), Neutral Line, Test Results, AC-DC Power Supply

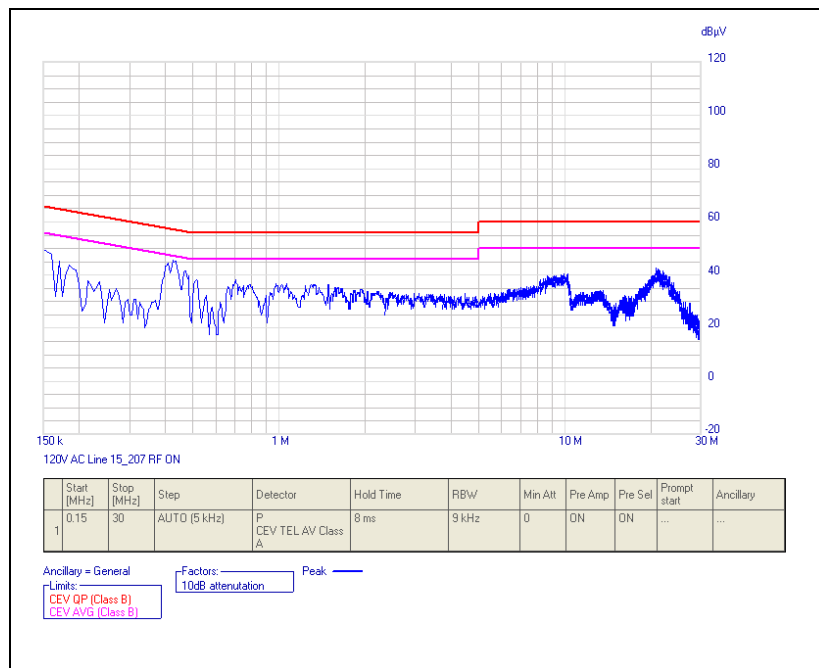


Plot 12. Conducted Emissions, 15.207(a), Neutral Line, AC-DC Power Supply

15.207(a) Conducted Emissions Test Results, PoE

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Line 15.207	0.15	62.57	66	-3.43	Pass	45.33	56	-10.67	Pass
120V AC Line 15.207	0.17	45.72	64.963	-19.243	Pass	18.68	54.963	-36.283	Pass
120V AC Line 15.207	0.425	46.58	57.373	-10.793	Pass	33.82	47.373	-13.553	Pass

Table 19. Conducted Emissions, 15.207(a), Phase Line, Test Results, PoE

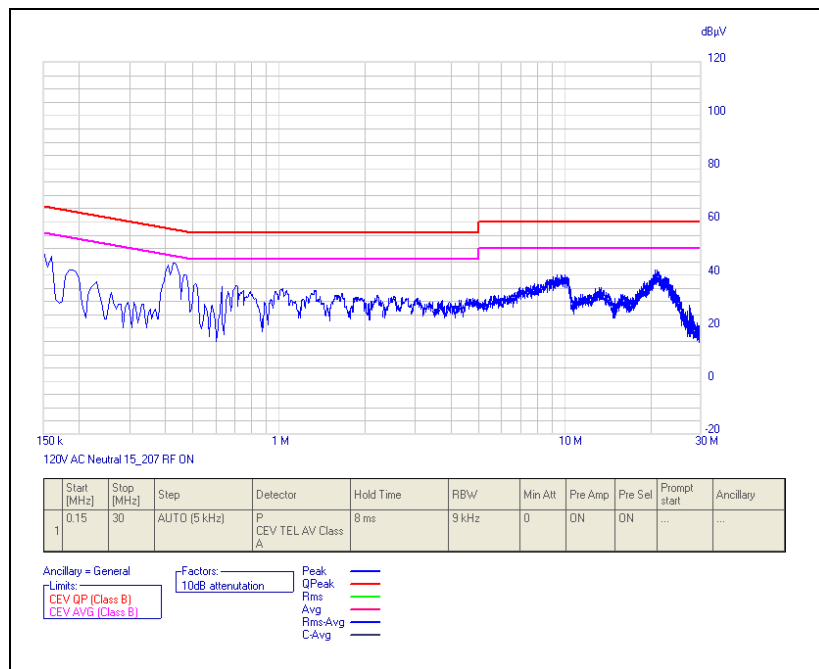


Plot 13. Conducted Emissions, 15.207(a), Phase Line, PoE

15.207(a) Conducted Emissions Test Results, PoE

Line	Freq. (MHz)	QP Amplitude	QP Limit	Delta	Pass	Average Amplitude	Average Limit	Delta	Pass
120V AC Neutral 15.207	0.15	62.65	66	-3.35	Pass	44.02	56	-11.98	Pass
120V AC Neutral 15.207	0.43	43.2	57.277	-14.077	Pass	38.2	47.277	-9.077	Pass
120V AC Neutral 15.207	21.095	56.84	60	-3.16	Pass	48.62	50	-1.38	Pass

Table 20. Conducted Emissions, 15.207(a), Neutral Line, Test Results, PoE



Plot 14. Conducted Emissions, 15.207(a), Neutral Line, PoE

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.247(a)(2) 6 dB and 99% Bandwidth

Test Requirements: § 15.247(a)(2): Operation under the provisions of this section is limited to frequency hopping and digitally modulated intentional radiators that comply with the following provisions:

For systems using digital modulation techniques, the EUT may operate in the 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz bands. The minimum 6dB bandwidth shall be at least 500 kHz.

Test Procedure: The transmitter was on and transmitting at the highest output power. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using a RBW approximately 1% of the total emission bandwidth, VBW > RBW. The 6 dB Bandwidth was measured and recorded. The measurements were performed on the low, mid and high channels.

Test Results The EUT was compliant with § 15.247 (a)(2).

The 6 dB and 99% Bandwidth was determined from the plots on the following pages.

Test Engineer(s): Anderson Soungpanya

Test Date(s): 01/29/13



Figure 2. Block Diagram, Occupied Bandwidth Test Setup

Occupied Bandwidth Test Results

Occupied Bandwidth			
	Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
802.11b	Low	2412	10.876
	Mid	2437	11.066
	High	2462	10.802
802.11g	Low	2412	15.821
	Mid	2437	15.911
	High	2462	16.385
802.11n 20 MHz Port 1	Low	2412	17.668
	Mid	2437	17.455
	High	2462	17.733
802.11n 20 MHz Port 2	Low	2412	17.272
	Mid	2437	16.967
	High	2462	16.607
802.11n 20 MHz Port 3	Low	2412	16.402
	Mid	2437	17.063
	High	2462	15.178
802.11n 40 MHz Port 1	Low	2422	35.349
	Mid	2437	36.220
	High	2452	36.534
802.11n 40 MHz Port 2	Low	2422	35.222
	Mid	2437	35.321
	High	2452	36.524
802.11n 40 MHz Port 3	Low	2422	33.976
	Mid	2437	35.859
	High	2452	36.412

Table 21. 6 dB Occupied Bandwidth, Test Results, 2.4 GHz

Occupied Bandwidth			
	Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
802.11a 20 MHz Port 1	Low	5745	16.381
	Mid	5785	16.400
	High	5825	16.417
802.11n 20 MHz Port 1	Low	5745	17.581
	Mid	5785	17.562
	High	5825	17.301
802.11n 20 MHz Port 2	Low	5745	17.632
	Mid	5785	17.630
	High	5825	17.608
802.11n 20 MHz Port 3	Low	5745	17.664
	Mid	5785	17.613
	High	5825	17.588
802.11n 40 MHz Port 1	Low	5755	36.392
	High	5795	36.334
802.11n 40 MHz Port 2	Low	5755	36.430
	High	5795	36.413
802.11n 40 MHz Port 3	Low	5755	36.458
	High	5795	36.403
802.11n 80 MHz Port 1	--	5775	75.902
802.11n 80 MHz Port 2	--	5775	75.906
802.11n 80 MHz Port 3	--	5775	75.351

Table 22. 6 dB Occupied Bandwidth, Test Results, 5 GHz

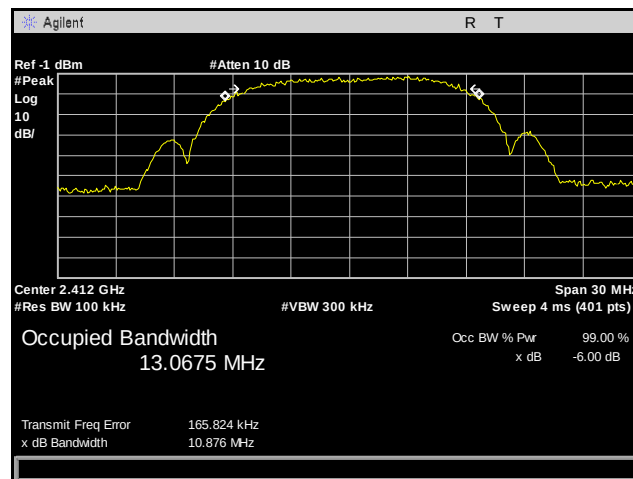
Occupied Bandwidth			
	Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
802.11b	Low	2412	12.9191
	Mid	2437	13.2305
	High	2462	13.2037
802.11g	Low	2412	16.5514
	Mid	2437	16.5928
	High	2462	16.5990
802.11n 20 MHz Port 1	Low	2412	17.3189
	Mid	2437	17.4692
	High	2462	17.5905
802.11n 20 MHz Port 2	Low	2412	17.6307
	Mid	2437	17.5822
	High	2462	17.7461
802.11n 20 MHz Port 3	Low	2412	17.6929
	Mid	2437	17.6197
	High	2462	17.7379
802.11n 40 MHz Port 1	Low	2422	35.7562
	Mid	2437	36.2513
	High	2452	36.6387
802.11n 40 MHz Port 2	Low	2422	36.2491
	Mid	2437	36.5363
	High	2452	36.8075
802.11n 40 MHz Port 3	Low	2422	35.8107
	Mid	2437	36.5948
	High	2452	36.9918

Table 23. 99% Occupied Bandwidth, Test Results, 2.4 GHz

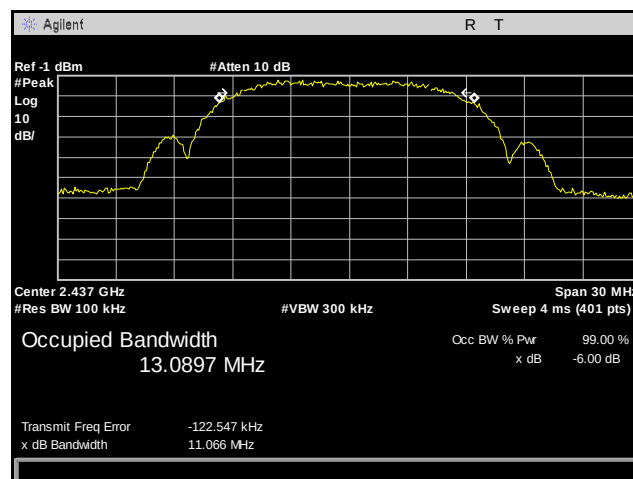
Occupied Bandwidth			
	Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
802.11a 20 MHz Port 1	Low	5745	16.5588
	Mid	5785	16.5358
	High	5825	16.7396
802.11n 20 MHz Port 1	Low	5745	17.6860
	Mid	5785	17.6796
	High	5825	17.6917
802.11n 20 MHz Port 2	Low	5745	17.7002
	Mid	5785	17.6751
	High	5825	17.7840
802.11n 20 MHz Port 3	Low	5745	17.6622
	Mid	5785	17.5904
	High	5825	17.7076
802.11n 40 MHz Port 1	Low	5755	36.2874
	High	5795	36.2672
802.11n 40 MHz Port 2	Low	5755	36.2689
	High	5795	36.2832
802.11n 40 MHz Port 3	Low	5755	36.4097
	High	5795	36.3257
802.11n 80 MHz Port 1	--	5775	75.6760
802.11n 80 MHz Port 2	--	5775	75.8576
802.11n 80 MHz Port 3	--	5775	75.6937

Table 24. 99% Occupied Bandwidth, Test Results, 5 GHz

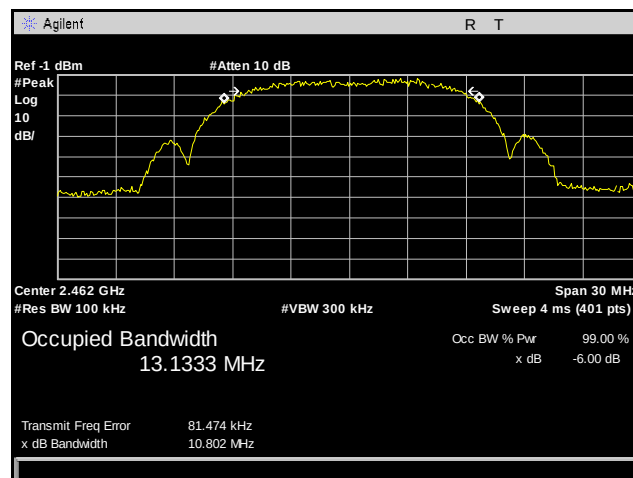
6 dB Occupied Bandwidth Test Results, 802.11b, 2.4 GHz



Plot 15. 6 dB Occupied Bandwidth, 802.11b, 2412 MHz, Low Channel

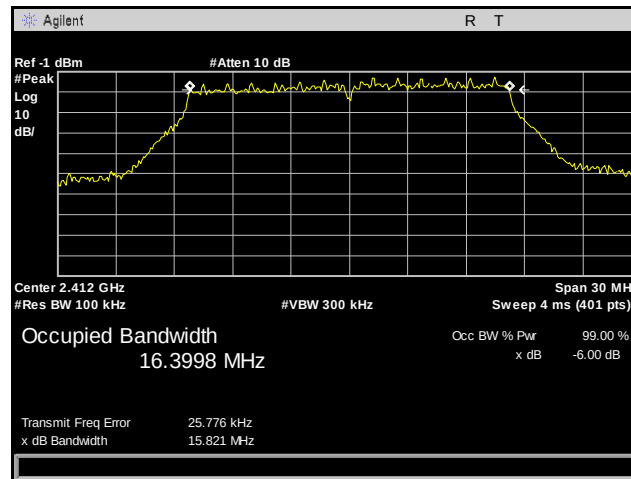


Plot 16. 6 dB Occupied Bandwidth, 802.11b, 2437 MHz, Mid Channel

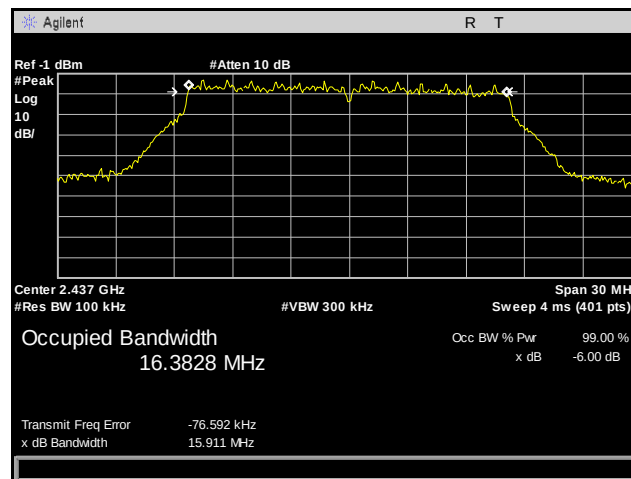


Plot 17. 6 dB Occupied Bandwidth, 802.11b, 2462 MHz, High Channel

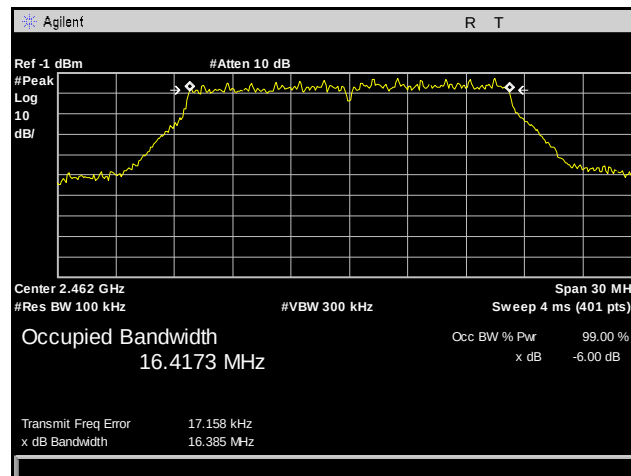
6 dB Occupied Bandwidth Test Results, 802.11g, 2.4 GHz



Plot 18. 6 dB Occupied Bandwidth, 802.11g, 2412 MHz, Low Channel

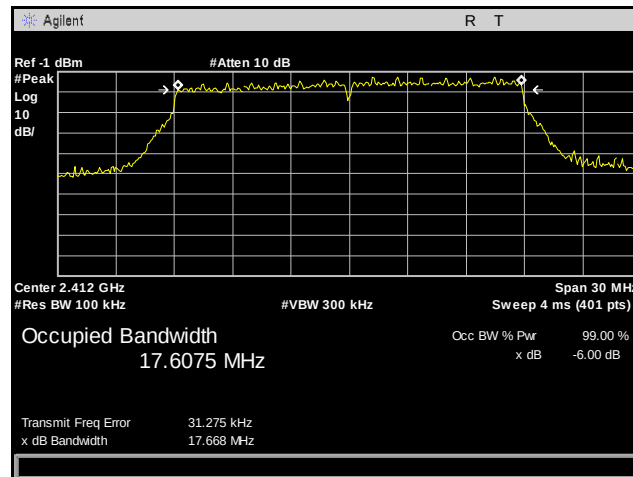


Plot 19. 6 dB Occupied Bandwidth, 802.11g, 2437 MHz, Mid Channel

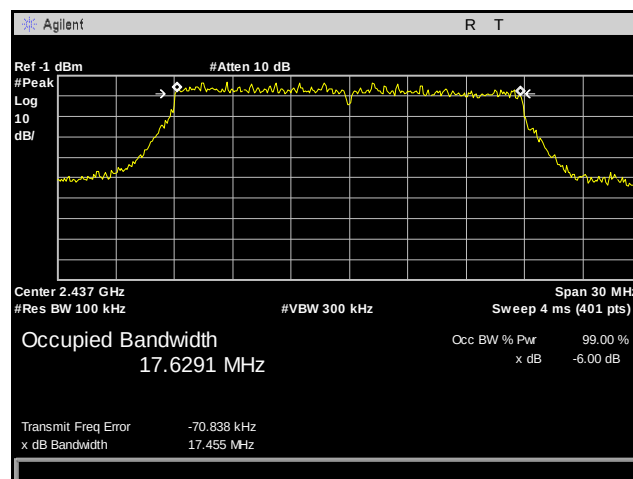


Plot 20. 6 dB Occupied Bandwidth, 802.11g, 2462 MHz, High Channel

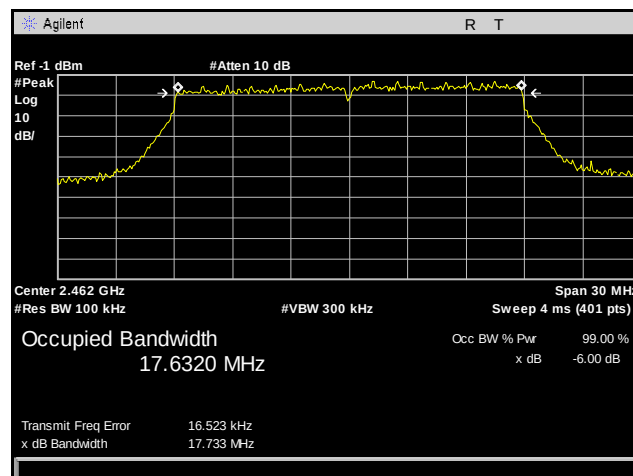
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 1, 2.4 GHz



Plot 21. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1

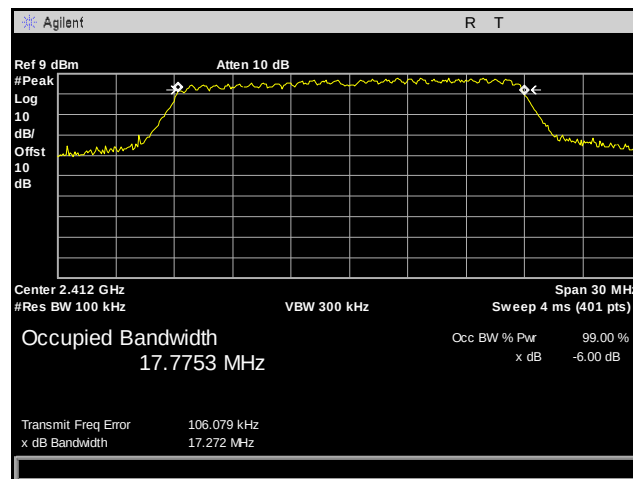


Plot 22. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1

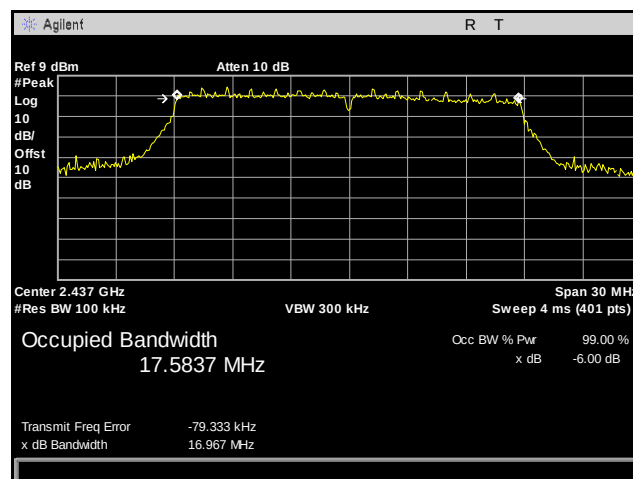


Plot 23. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1

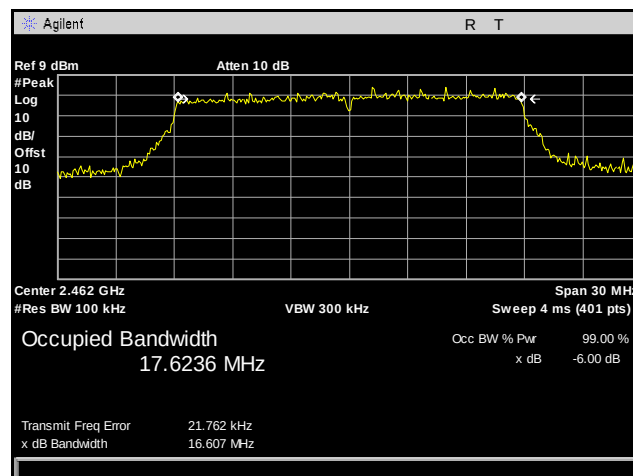
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 2, 2.4 GHz



Plot 24. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2

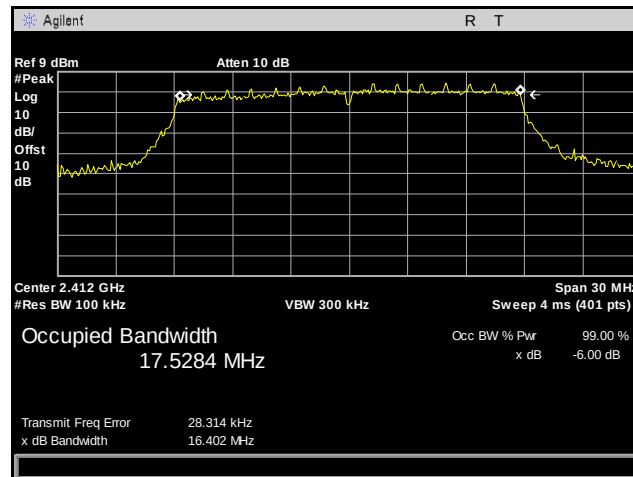


Plot 25. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2

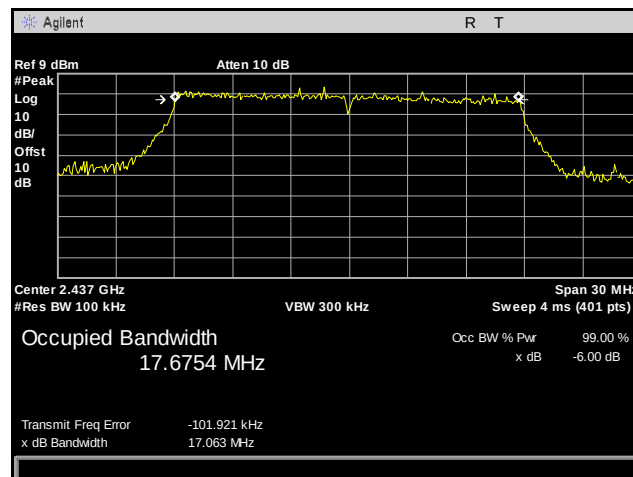


Plot 26. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2

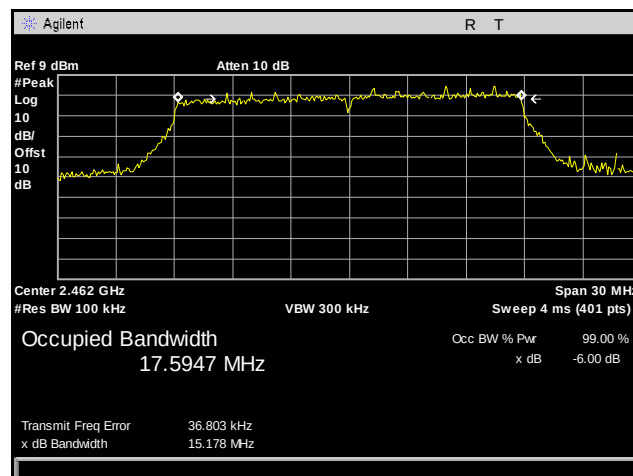
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 3, 2.4 GHz



Plot 27. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3

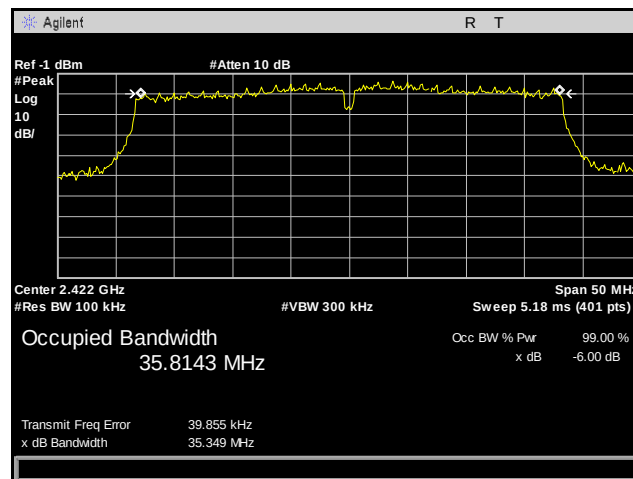


Plot 28. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3

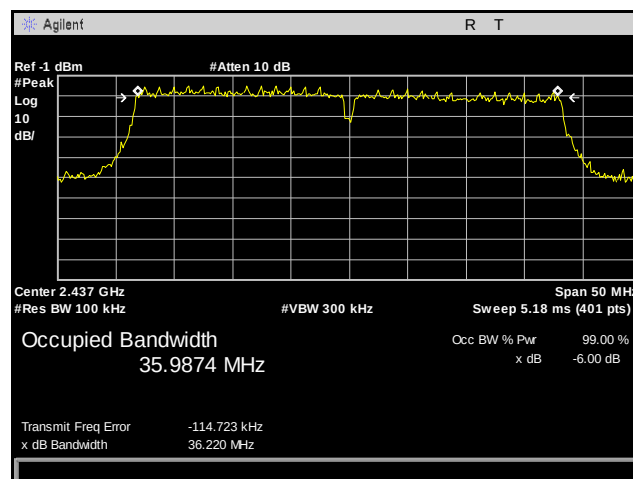


Plot 29. 6 dB Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3

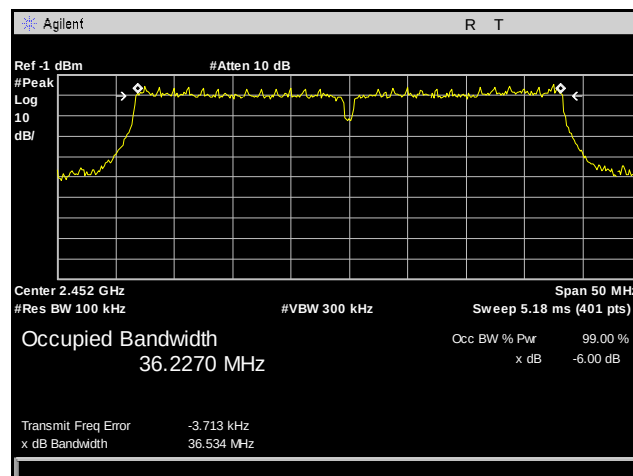
6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 1, 2.4 GHz



Plot 30. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1

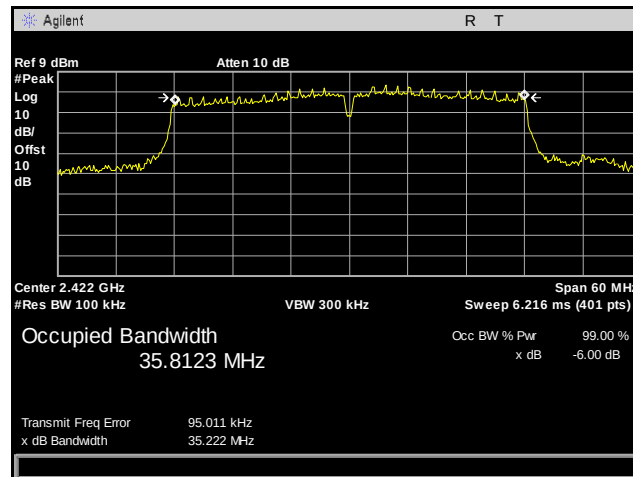


Plot 31. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1

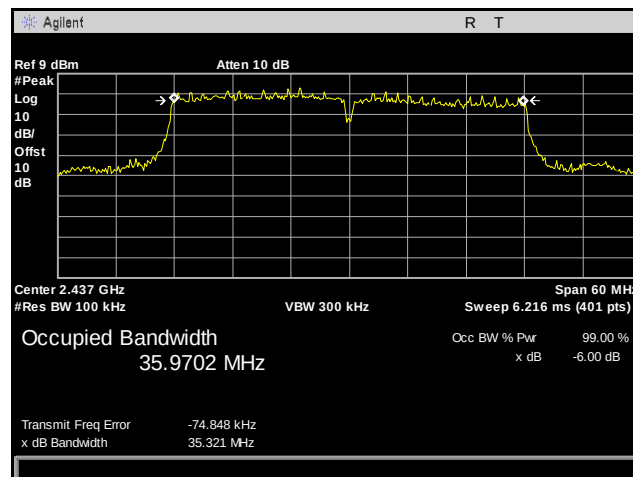


Plot 32. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1

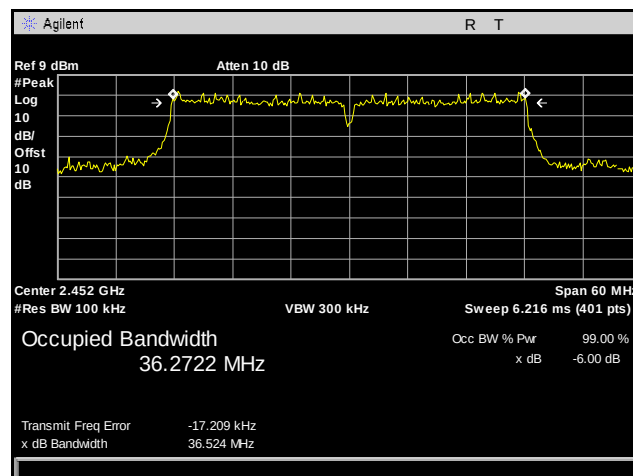
6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 2, 2.4 GHz



Plot 33. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2

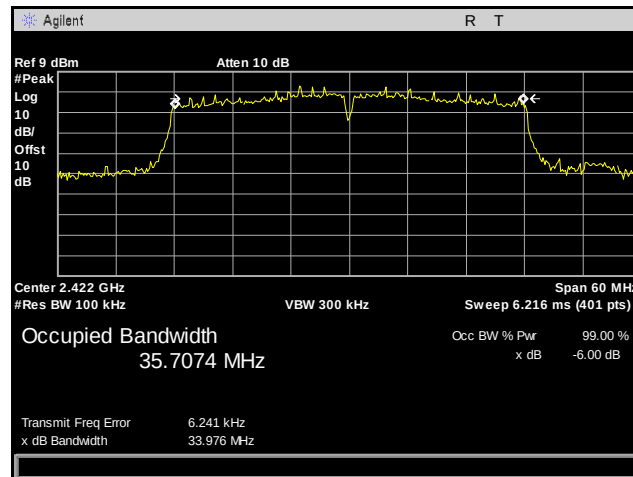


Plot 34. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2

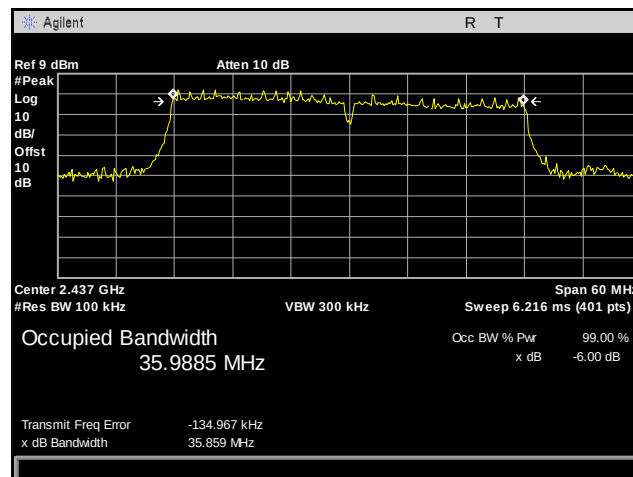


Plot 35. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2

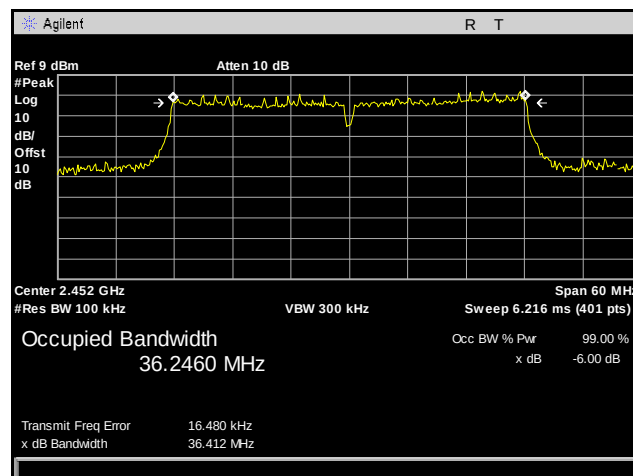
6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 3, 2.4 GHz



Plot 36. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3

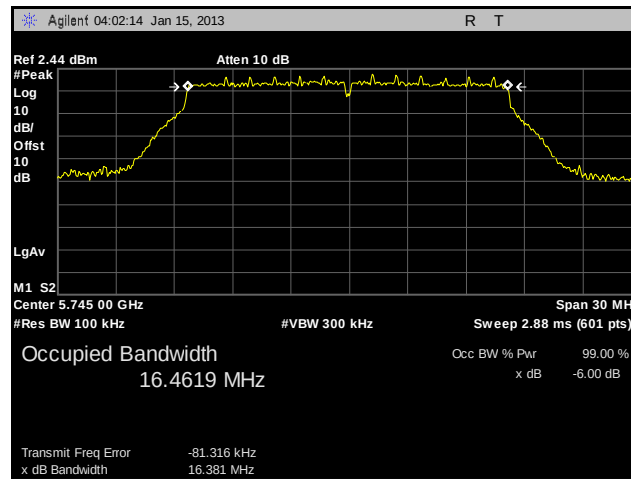


Plot 37. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3

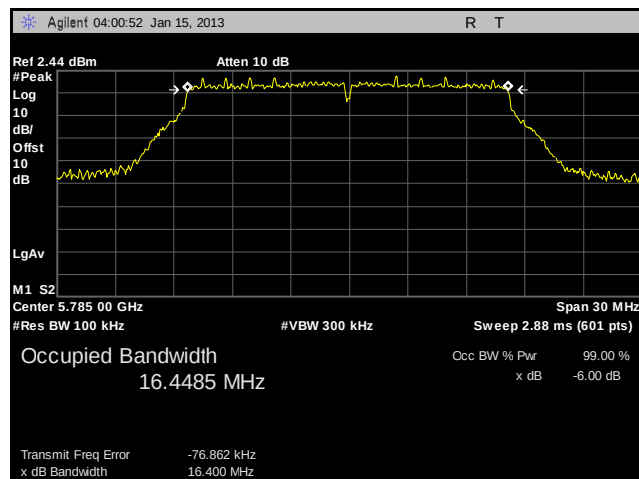


Plot 38. 6 dB Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3

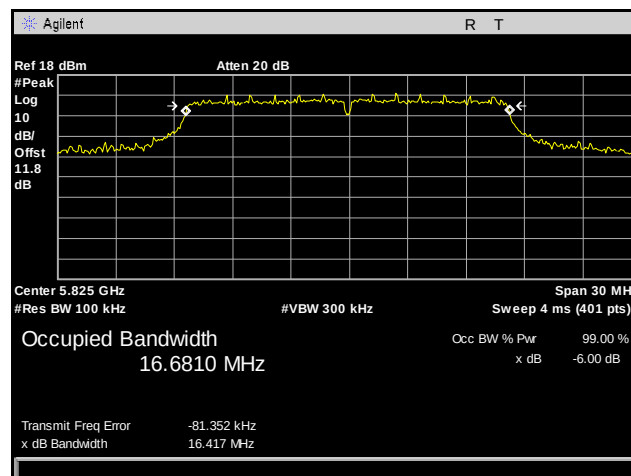
6 dB Occupied Bandwidth Test Results, 802.11a 20 MHz, Port 1, 5 GHz



Plot 39. 6 dB Occupied Bandwidth, 802.11a 20MHz, 5745 MHz, Low Channel, Port 1

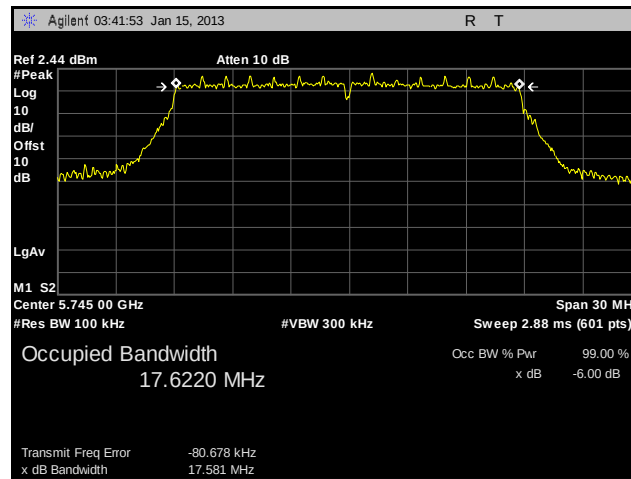


Plot 40. 6 dB Occupied Bandwidth, 802.11a 20MHz, 5785 MHz, Mid Channel, Port 1

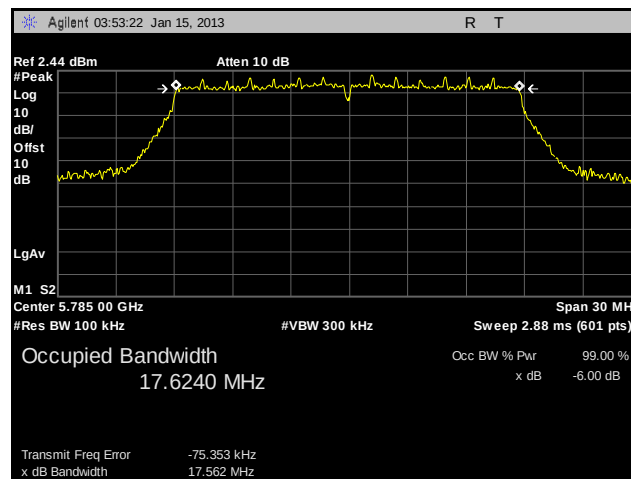


Plot 41. 6 dB Occupied Bandwidth, 802.11a 20MHz, 5825 MHz, High Channel, Port 1

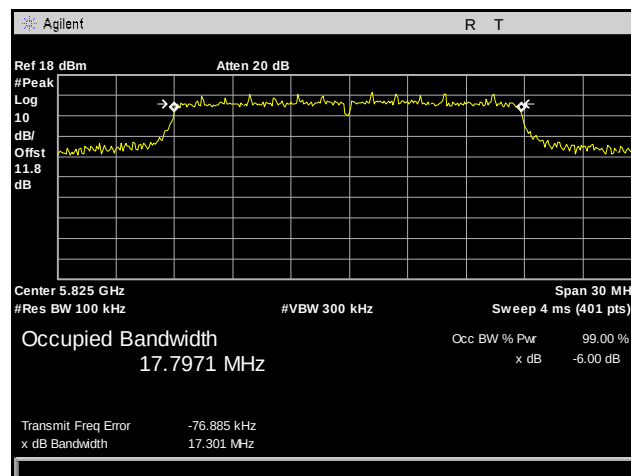
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 1, 5 GHz



Plot 42. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 1

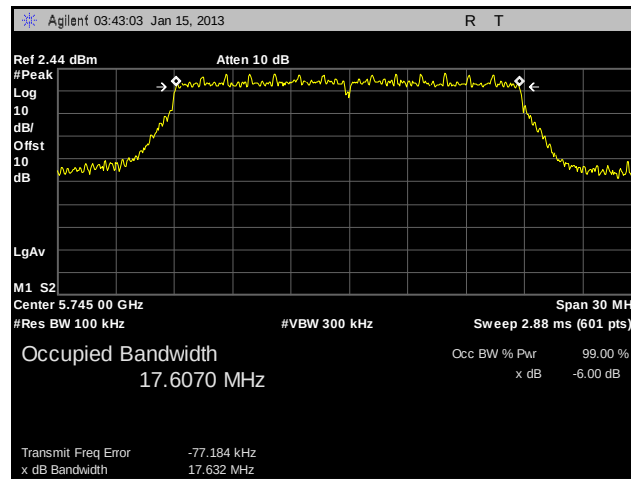


Plot 43. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 1

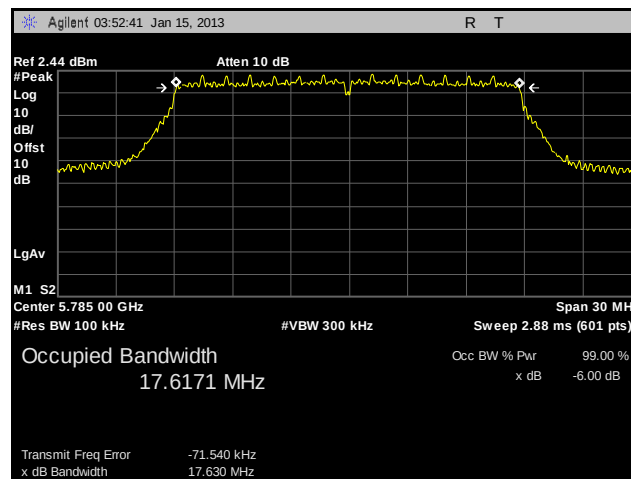


Plot 44. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 1

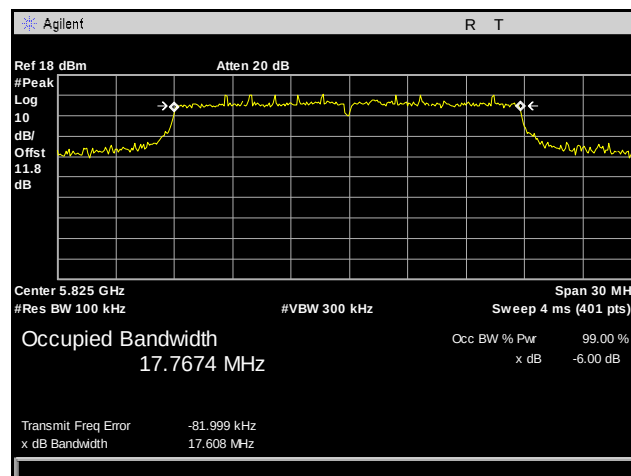
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 2, 5 GHz



Plot 45. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 2

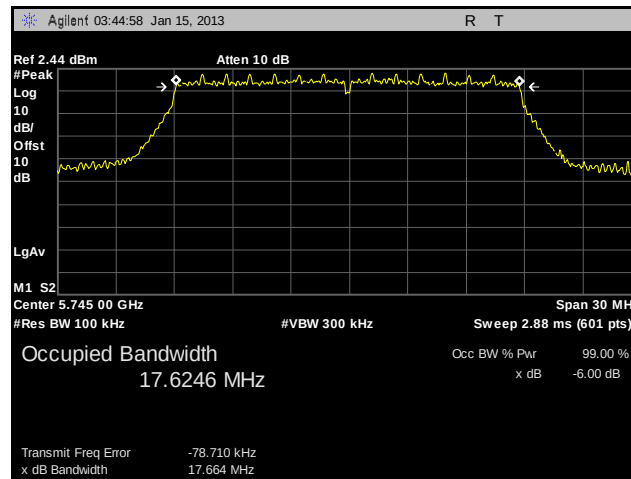


Plot 46. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 2

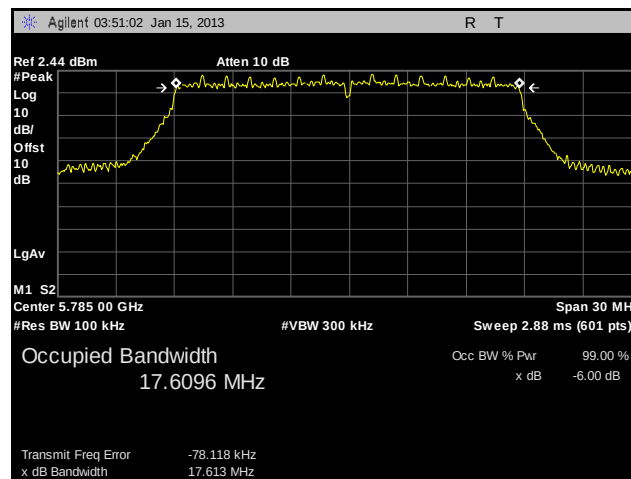


Plot 47. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 2

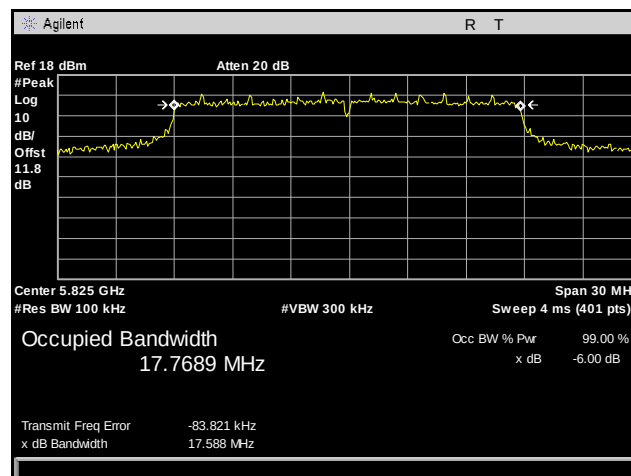
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 3, 5 GHz



Plot 48. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 3

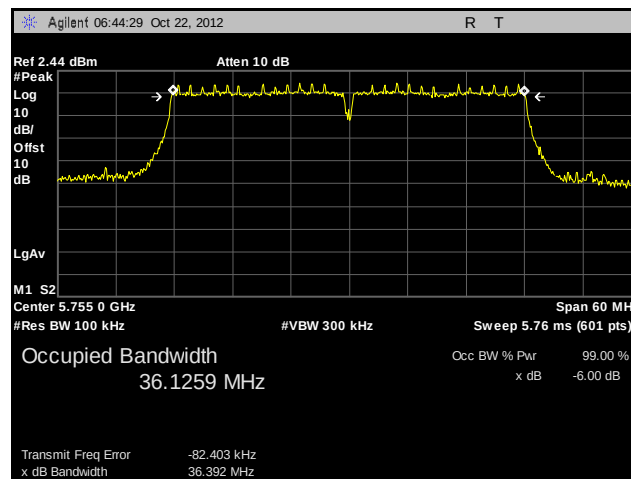


Plot 49. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 3

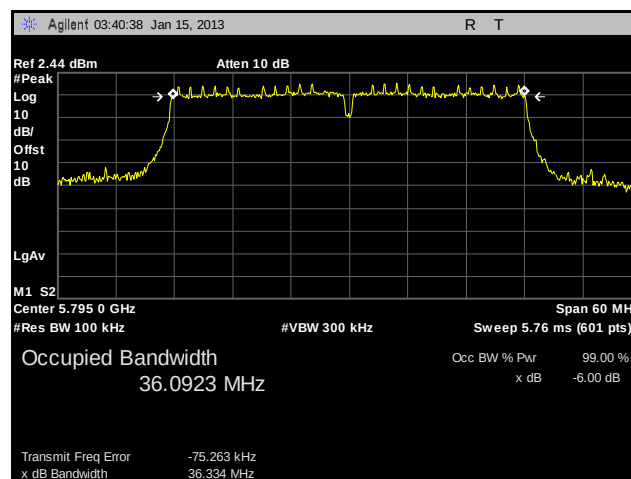


Plot 50. 6 dB Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 3

6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 1, 5 GHz

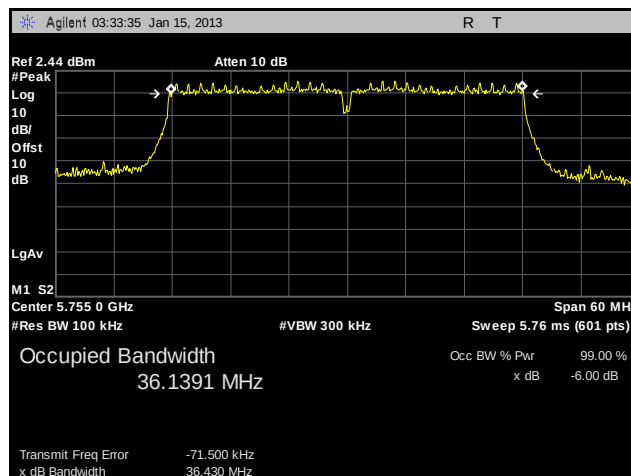


Plot 51. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 1

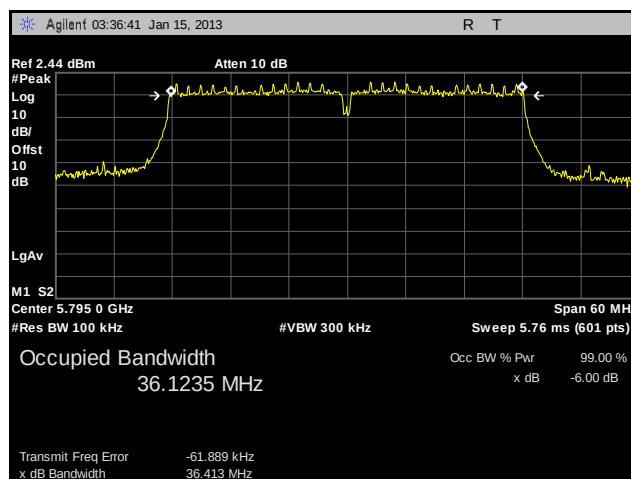


Plot 52. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 1

6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 2, 5 GHz

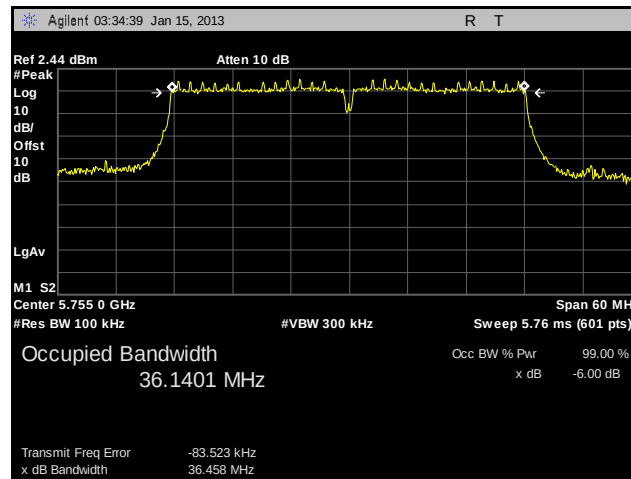


Plot 53. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 2

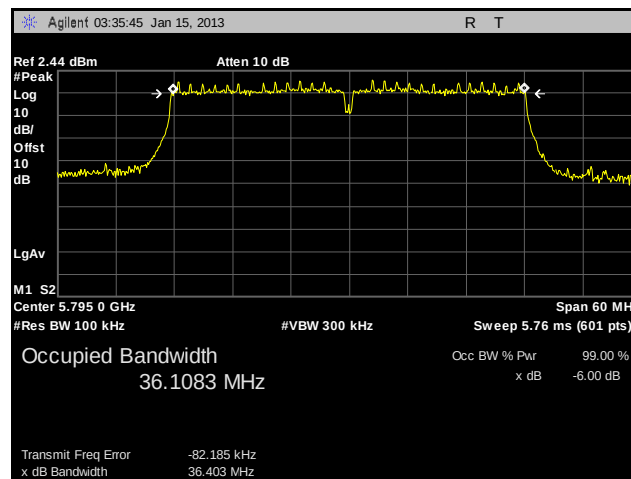


Plot 54. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 2

6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 3, 5 GHz

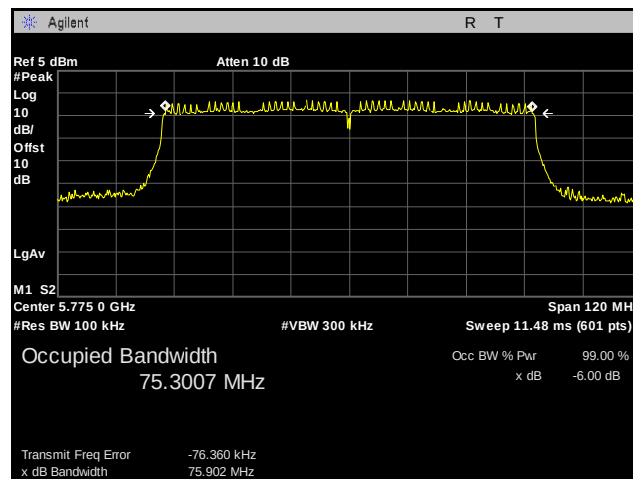


Plot 55. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 3

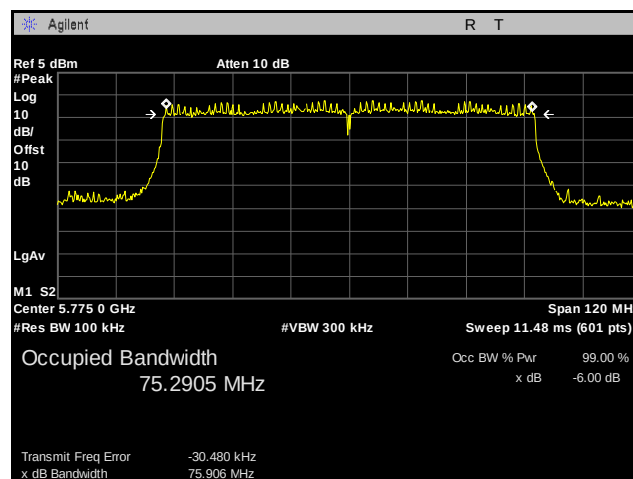


Plot 56. 6 dB Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 3

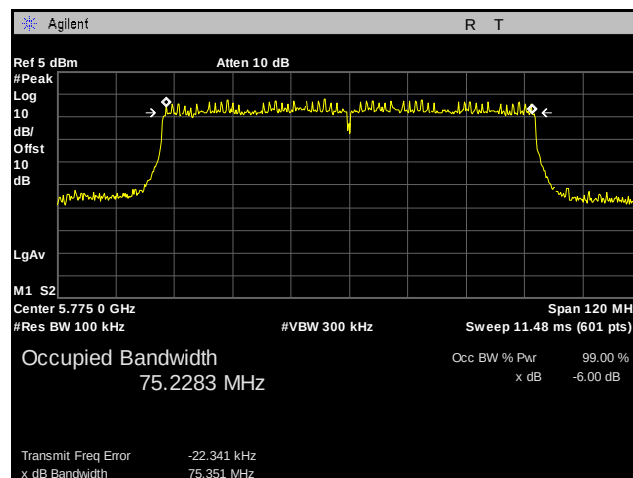
6 dB Occupied Bandwidth Test Results, 802.11n 80 MHz, 5 GHz



Plot 57. 6 dB Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 1

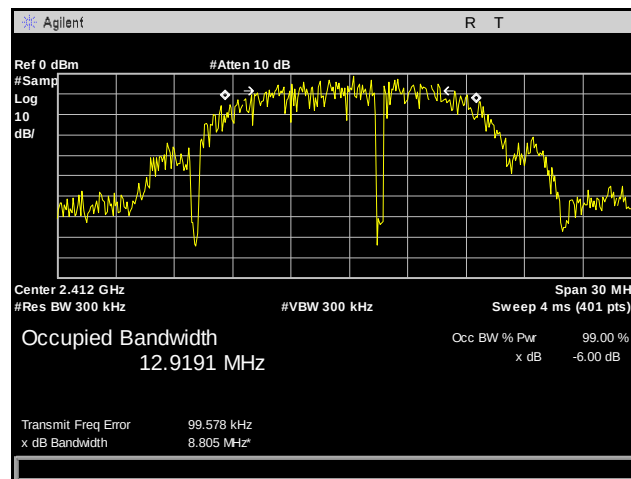


Plot 58. 6 dB Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 2

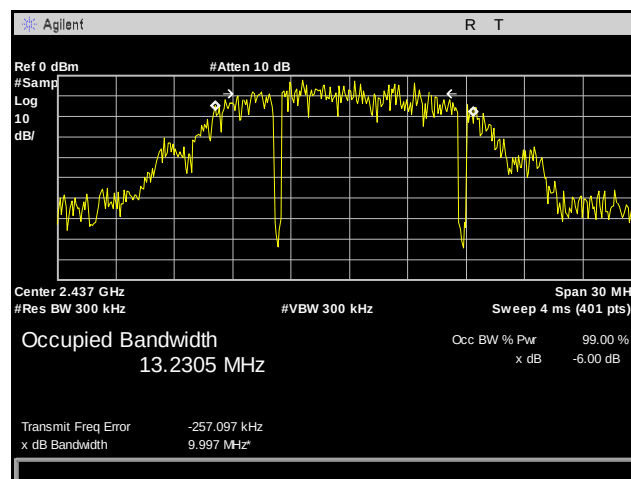


Plot 59. 6 dB Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 3

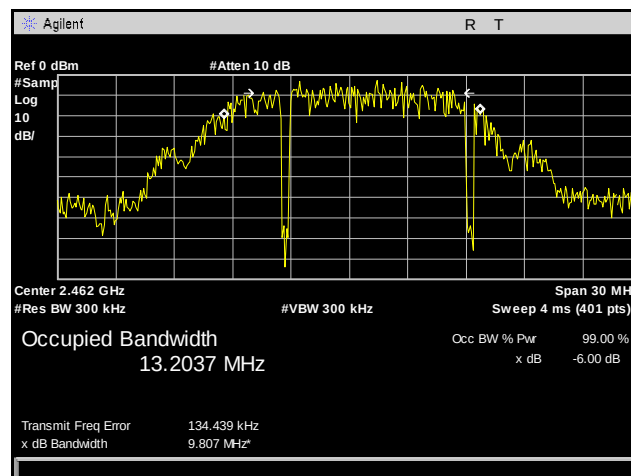
99% Occupied Bandwidth Test Results, 802.11b, 2.4 GHz



Plot 60. 99% Occupied Bandwidth, 802.11b, 2412 MHz, Low Channel

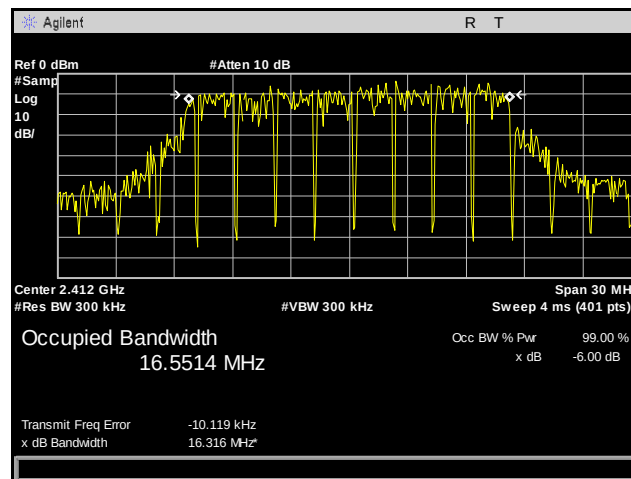


Plot 61. 99% Occupied Bandwidth, 802.11b, 2437 MHz, Mid Channel

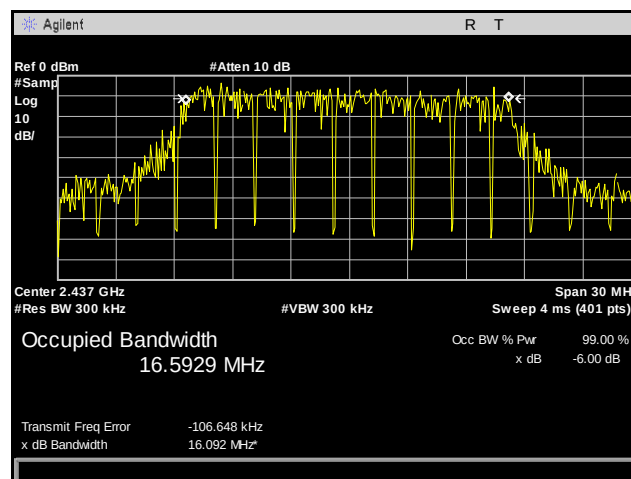


Plot 62. 99% Occupied Bandwidth, 802.11b, 2462 MHz, High Channel

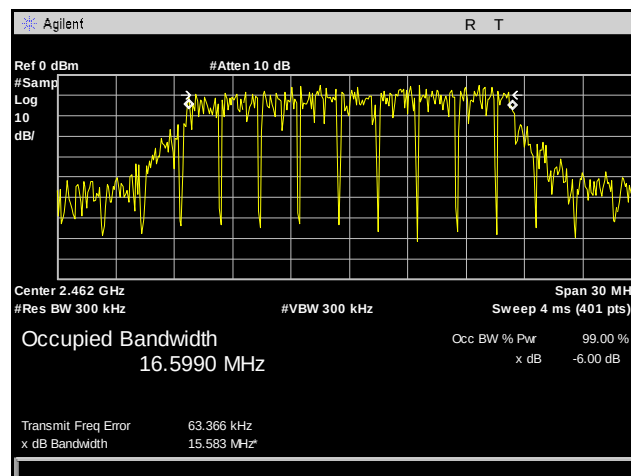
99% Occupied Bandwidth Test Results, 802.11g, 2.4 GHz



Plot 63. 99% Occupied Bandwidth, 802.11g, 2412 MHz, Low Channel

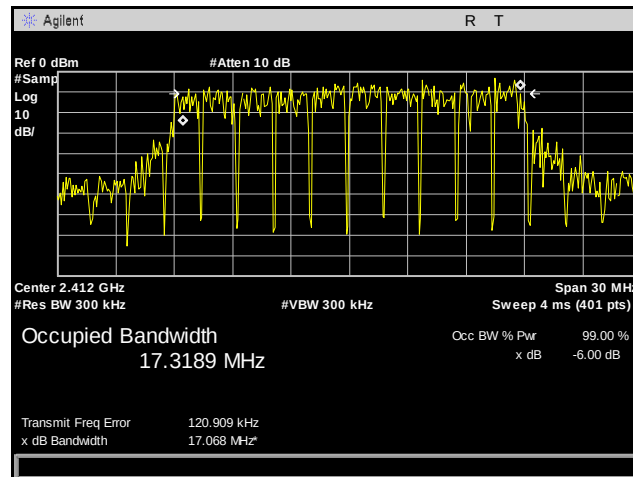


Plot 64. 99% Occupied Bandwidth, 802.11g, 2437 MHz, Mid Channel

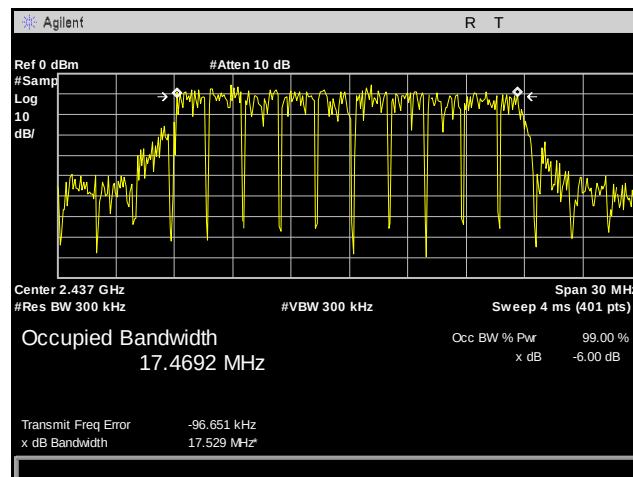


Plot 65. 99% Occupied Bandwidth, 802.11g, 2462 MHz, High Channel

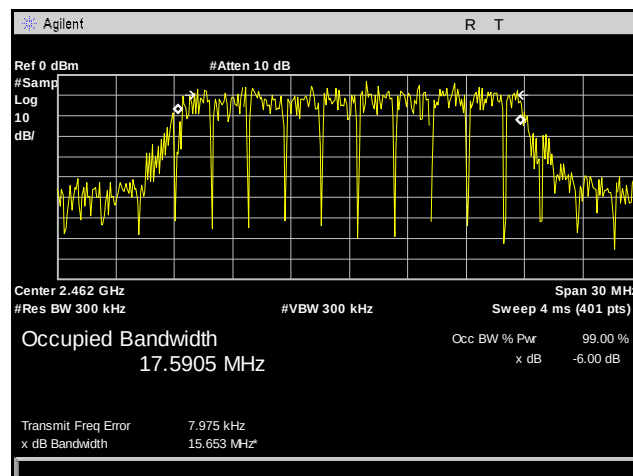
99% Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 1, 2.4 GHz



Plot 66. 99% Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1

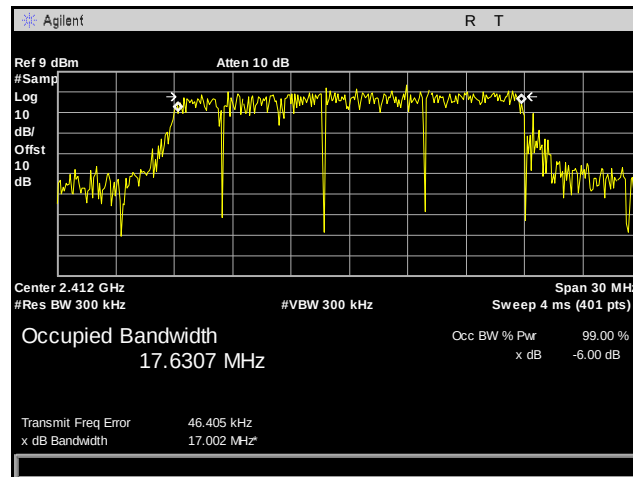


Plot 67. 99% Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1

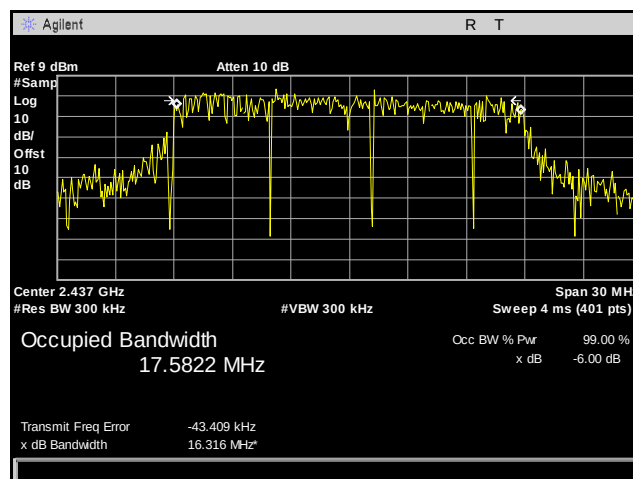


Plot 68. 99% Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1

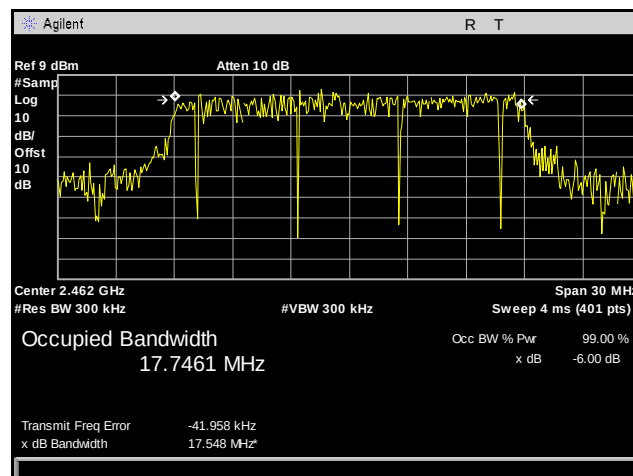
99% Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 2, 2.4 GHz



Plot 69. 99% Occupied Bandwidth, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2

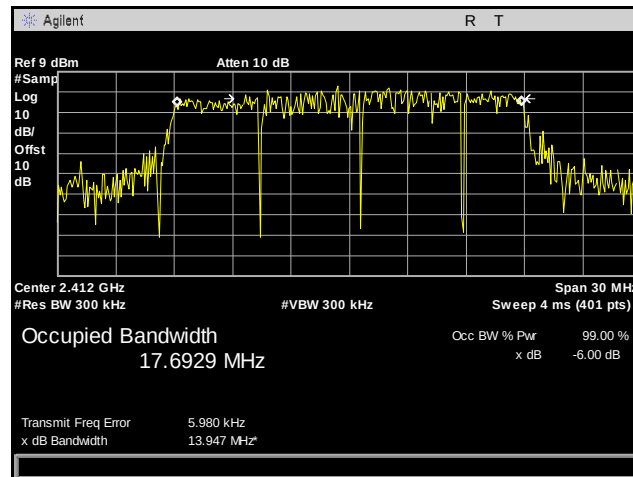


Plot 70. 99% Occupied Bandwidth, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2

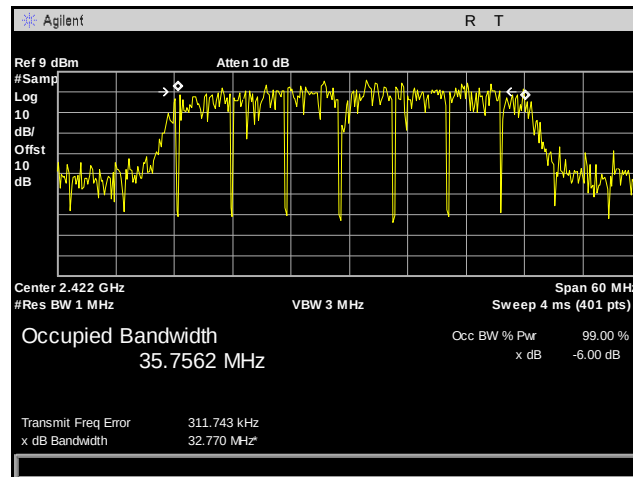


Plot 71. 99% Occupied Bandwidth, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2

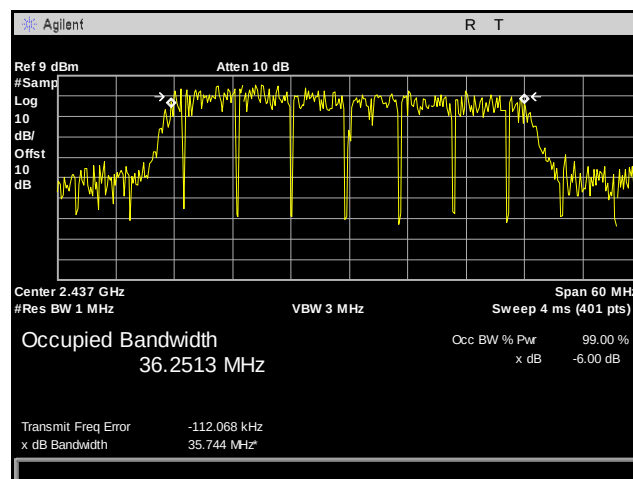
99% Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 3, 2.4 GHz



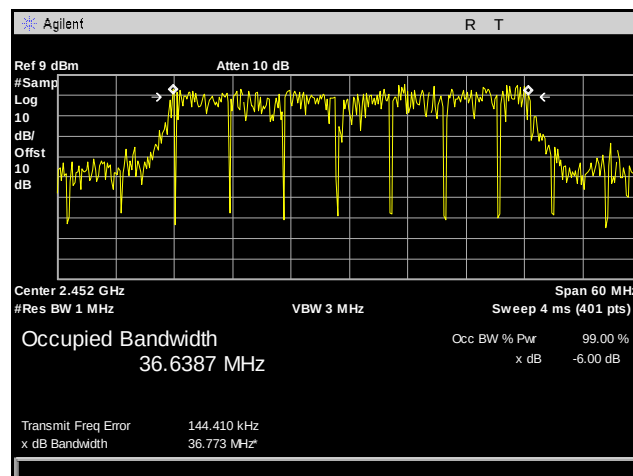
99% Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 1, 2.4 GHz



Plot 75. 99% Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1

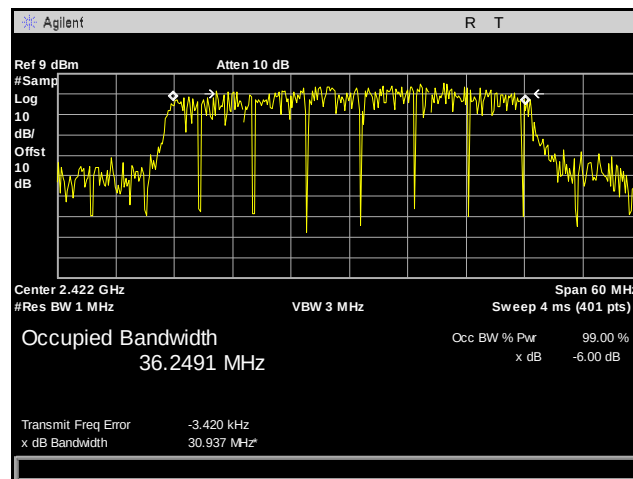


Plot 76. 99% Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1

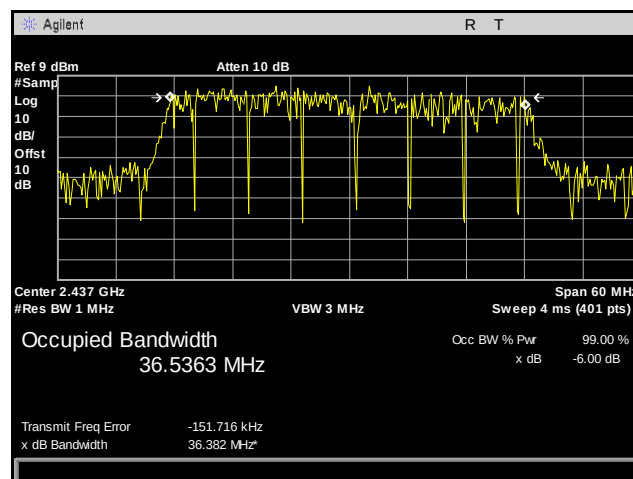


Plot 77. 99% Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1

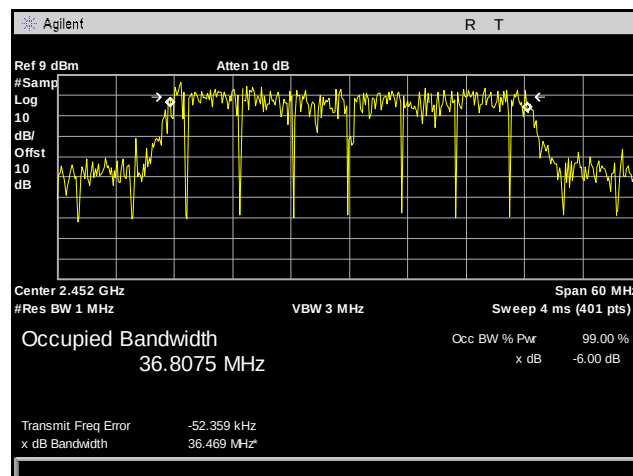
99% Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 2, 2.4 GHz



Plot 78. 99% Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2

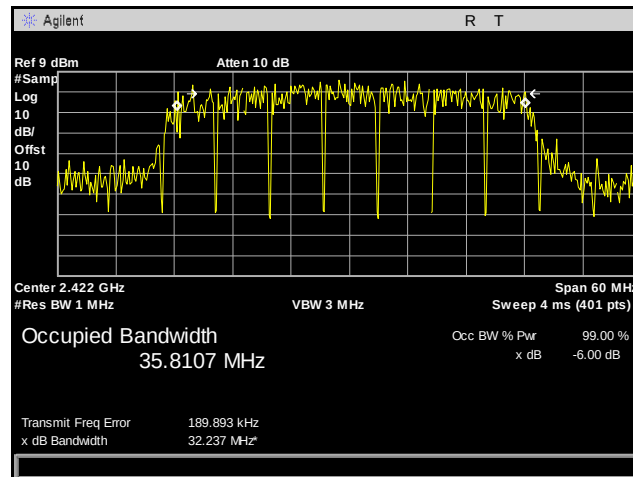


Plot 79. 99% Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2

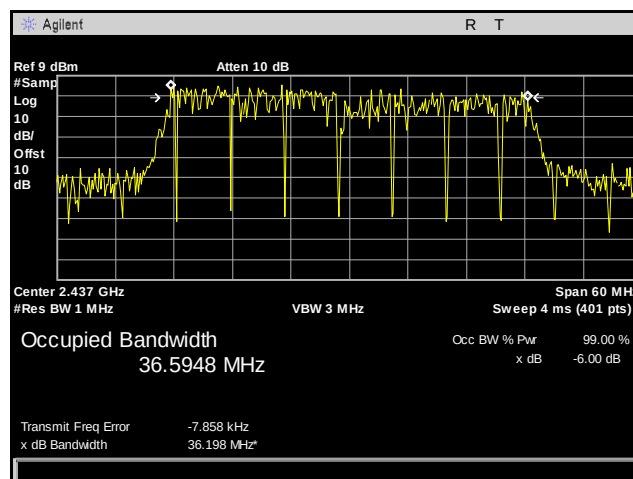


Plot 80. 99% Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2

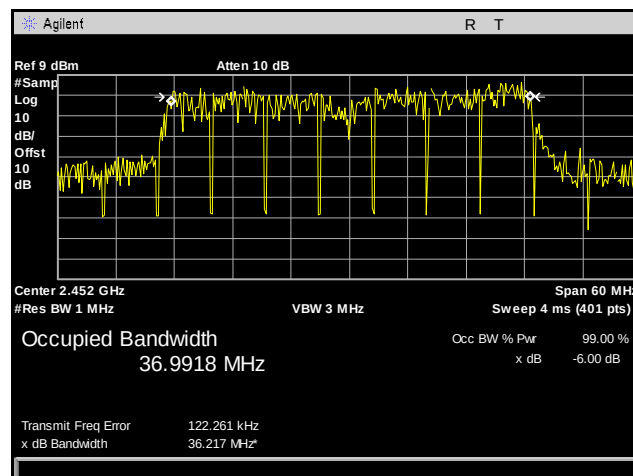
99% Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 3, 2.4 GHz



Plot 81. 99% Occupied Bandwidth, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3

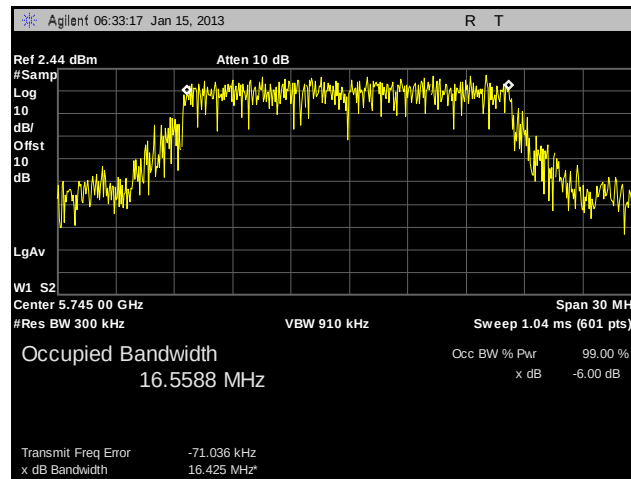


Plot 82. 99% Occupied Bandwidth, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3

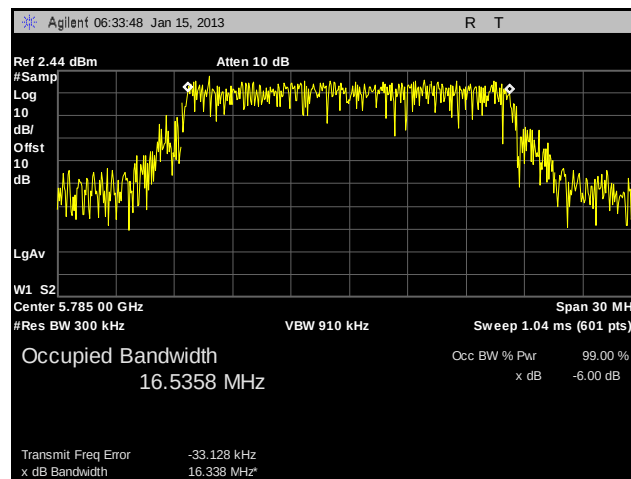


Plot 83. 99% Occupied Bandwidth, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3

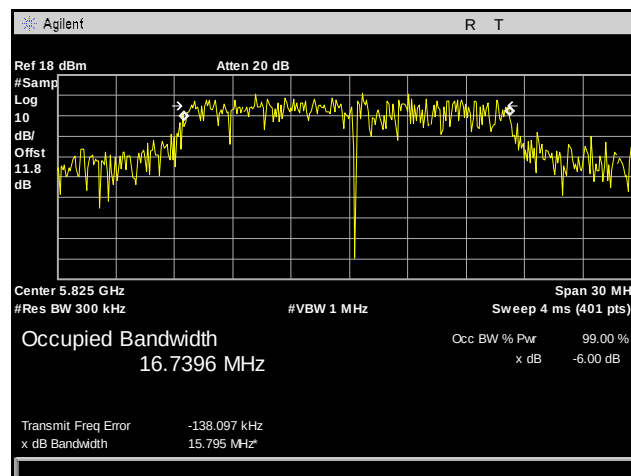
99% Occupied Bandwidth Test Results, 802.11a 20 MHz, Port 1, 5 GHz



Plot 84. 99% Occupied Bandwidth, 802.11a 20MHz, 5745 MHz, Low Channel, Port 1

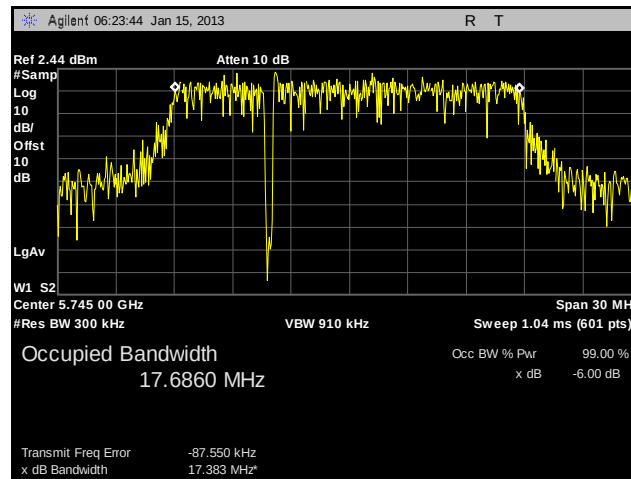


Plot 85. 99% Occupied Bandwidth, 802.11a 20MHz, 5785 MHz, Mid Channel, Port 1

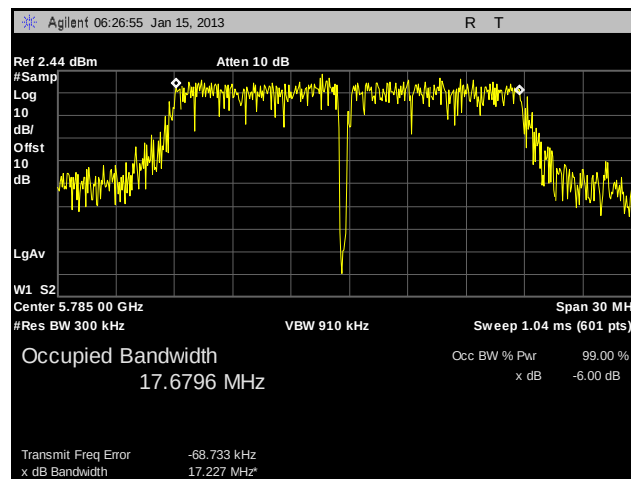


Plot 86. 99% Occupied Bandwidth, 802.11a 20MHz, 5825 MHz, High Channel, Port 1

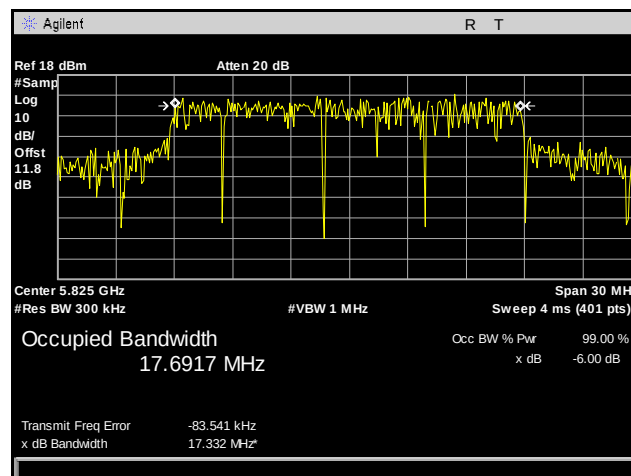
99% Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 1, 5 GHz



Plot 87. 99% Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 1

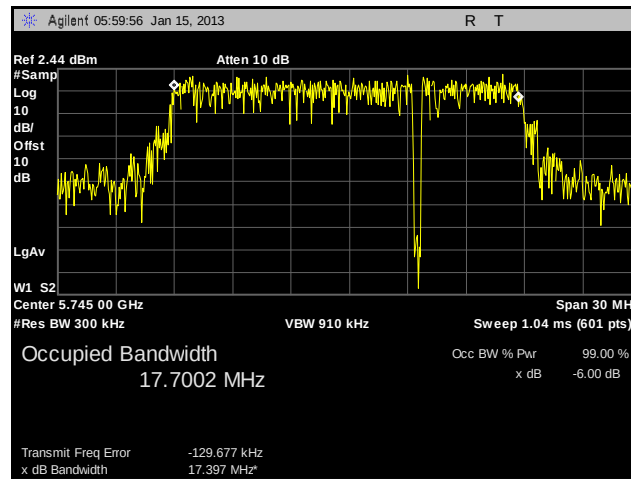


Plot 88. 99% Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 1

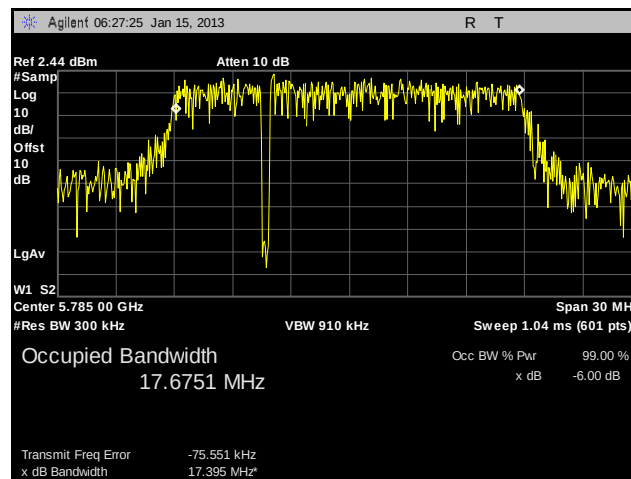


Plot 89. 99% Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 1

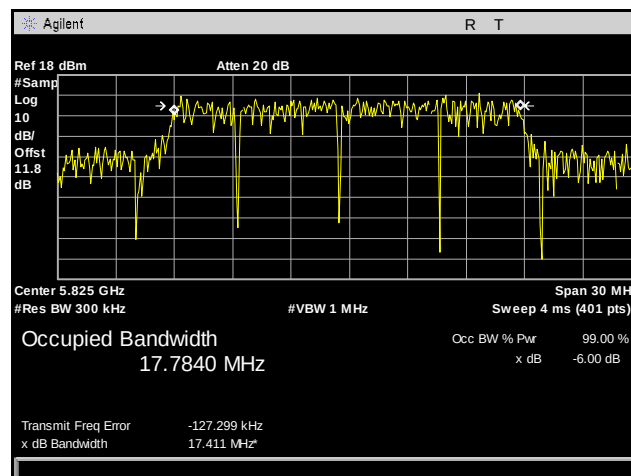
99% Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 2, 5 GHz



Plot 90. 99% Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 2

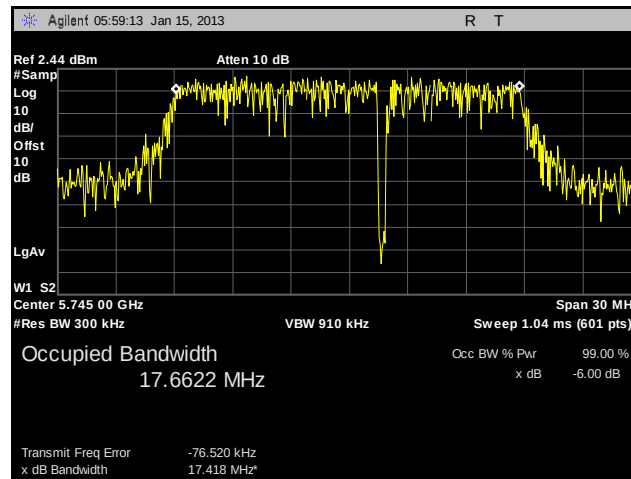


Plot 91. 99% Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 2

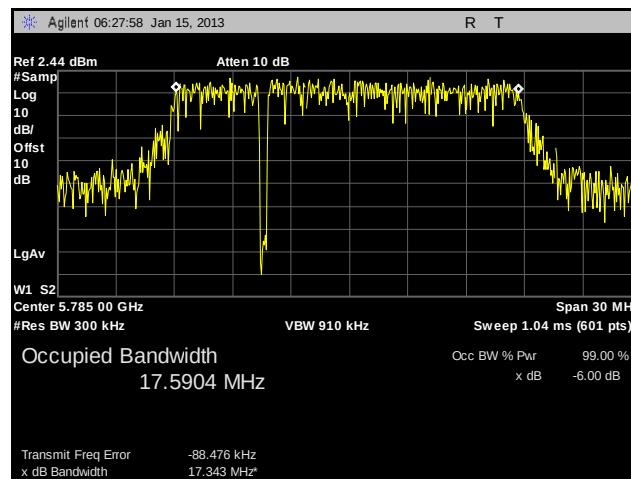


Plot 92. 99% Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 2

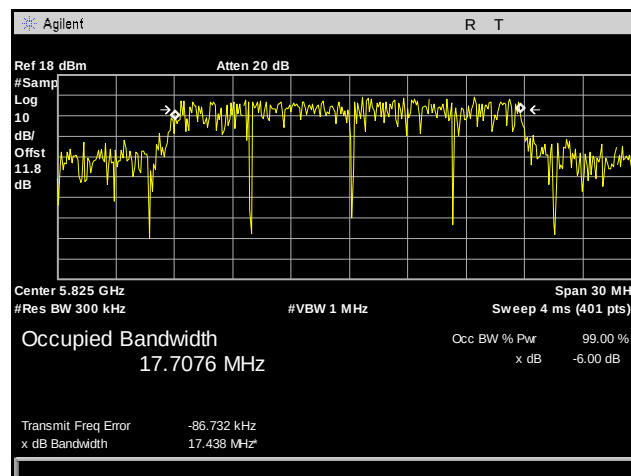
99% Occupied Bandwidth Test Results, 802.11n 20 MHz, Port 3, 5 GHz



Plot 93. 99% Occupied Bandwidth, 802.11n 20MHz, 5745 MHz, Low Channel, Port 3

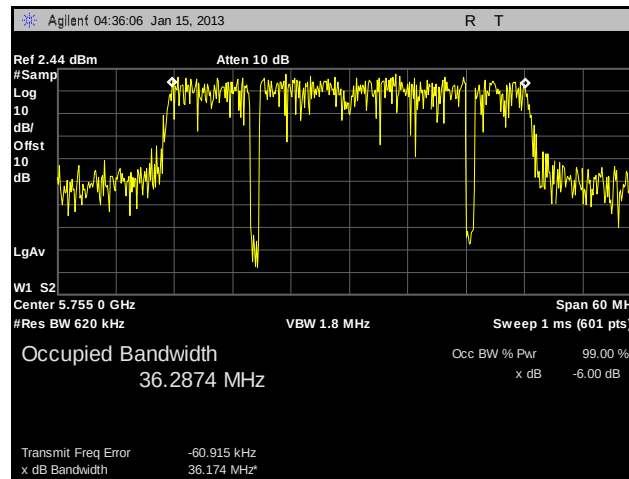


Plot 94. 99% Occupied Bandwidth, 802.11n 20MHz, 5785 MHz, Mid Channel, Port 3

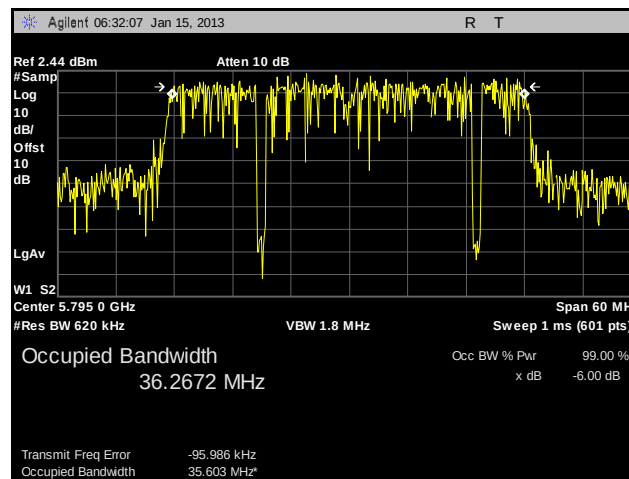


Plot 95. 99% Occupied Bandwidth, 802.11n 20MHz, 5825 MHz, High Channel, Port 3

99% Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 1, 5 GHz

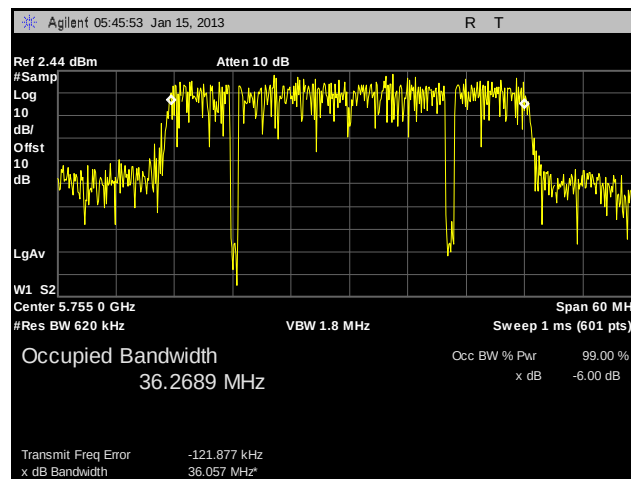


Plot 96. 99% Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 1

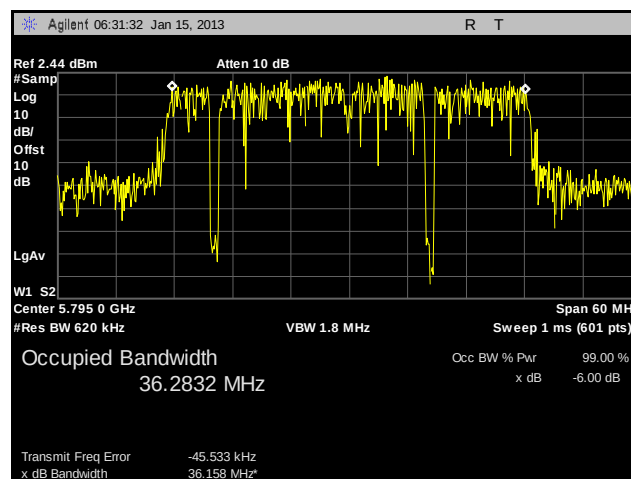


Plot 97. 99% Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 1

99% Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 2, 5 GHz

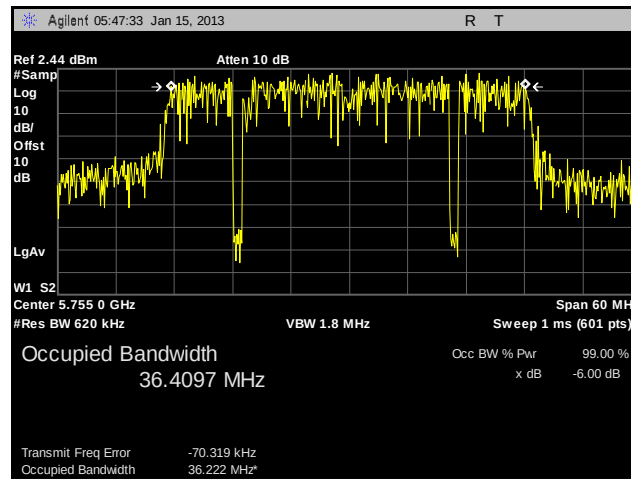


Plot 98. 99% Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 2

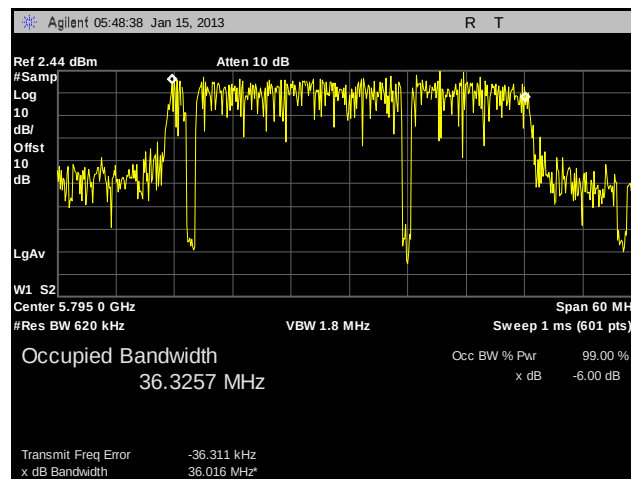


Plot 99. 99% Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 2

99% Occupied Bandwidth Test Results, 802.11n 40 MHz, Port 3, 5 GHz

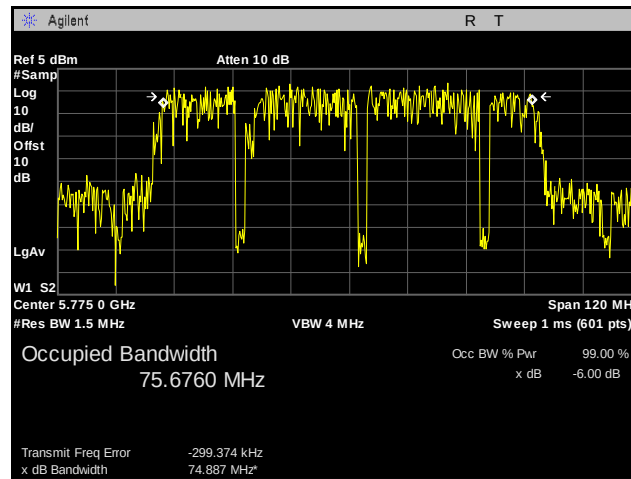


Plot 100. 99% Occupied Bandwidth, 802.11n 40MHz, 5755 MHz, Low Channel, Port 3

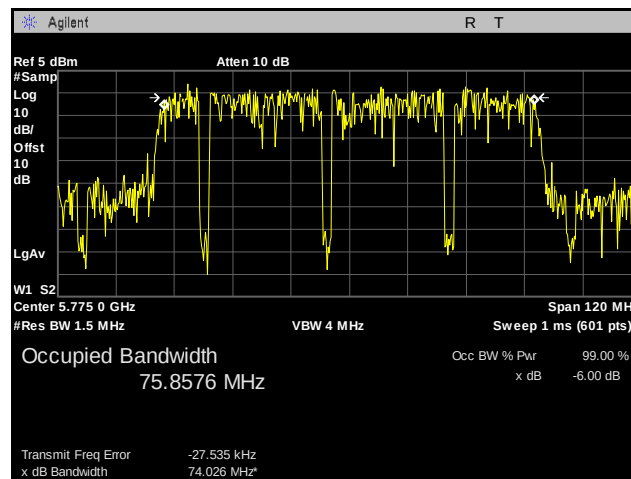


Plot 101. 99% Occupied Bandwidth, 802.11n 40MHz, 5795 MHz, High Channel, Port 3

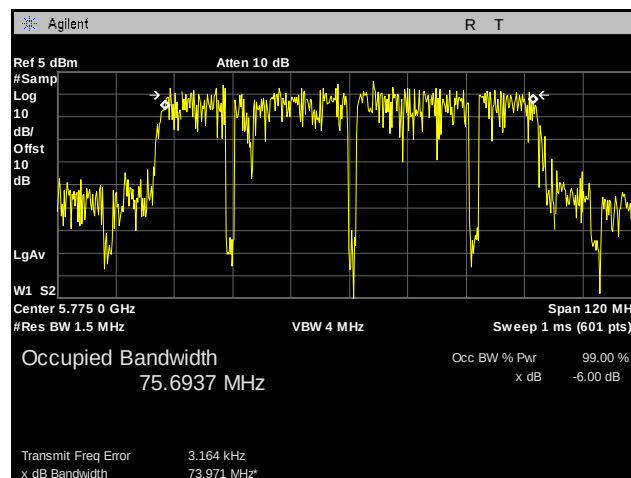
99% Occupied Bandwidth Test Results, 802.11n 80 MHz, 5 GHz



Plot 102. 99% Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 1



Plot 103. 99% Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 2



Plot 104. 99% Occupied Bandwidth, 802.11n 80 MHz, 5775 MHz, Port 3

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.247(b) Peak Power Output

Test Requirements: §15.247(b): The maximum peak output power of the intentional radiator shall not exceed the following:

Digital Transmission Systems (MHz)	Output Limit (Watts)
902-928	1.000
2400-2483.5	1.000
5725- 5850	1.000

Table 25. Output Power Requirements from §15.247(b)

§15.247(c): if transmitting antennas of directional gain greater than 6 dBi are used the peak output power from the intentional radiator shall be reduced below the stated values in the Table 25, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Systems operating in the 2400 – 2483.5 MHz band and using a point to point application may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Systems operating in the 5725 – 5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter peak output power.

Test Procedure: The transmitter was connected to a calibrated spectrum analyzer. The EUT was measured at the low, mid and high channels of each band at the maximum power level. In 5.8GHz band, the lowest gain antenna of 2dBi was used to measure the output power. Due to no restrictions in the 5.8GHz band that would lower the output power, a calculation was used to normalize the power for 4dBi, 6dBi, and 7dBi antenna per customer request. When both radios are operating simultaneously in the same band the output power will be reduced by 3 dB from what is shown in the following tables.

Test Results: The EUT was compliant with the Peak Power Output limits of §15.247(b).

Test Engineer(s): Anderson Soungpanya

Test Date(s): 01/29/13 – 01/30/13



Figure 3. Peak Power Output Test Setup

Peak Power Output Test Results

Peak Conducted Output Power – Ceiling Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11b	Low	2412	23.06
	Mid	2437	22.72
	High	2462	22.73
802.11g	Low	2412	23.31
	Mid	2437	24.43
	High	2462	21.98
802.11n 20 MHz Port 1	Low	2412	21.65
	Mid	2437	23.35
	High	2462	20.99
802.11n 20 MHz Port 2	Low	2412	21.51
	Mid	2437	23.37
	High	2462	21.02
802.11n 20 MHz Port 3	Low	2412	21.82
	Mid	2437	23.11
	High	2462	21.15
802.11n 40 MHz Port 1	Low	2422	20.82
	Mid	2437	22.48
	High	2452	19.52
802.11n 40 MHz Port 2	Low	2422	20.82
	Mid	2437	22.64
	High	2452	19.80
802.11n 40 MHz Port 3	Low	2422	20.75
	Mid	2437	22.52
	High	2452	19.40

Table 26. Peak Power Output, Test Results, 3dBi Ceiling Antenna, 2.4 GHz

Summed Peak Conducted Output Power – Ceiling Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11n 20 MHz Summed	Low	2412	26.43
	Mid	2437	28.05
	High	2462	25.83
802.11n 40 MHz Summed	Low	2422	25.57
	Mid	2437	27.32
	High	2452	24.35

Table 27. Summed Peak Output Power, Test Results, 3dBi Ceiling Antenna

Peak Conducted Output Power – Omni/Patch Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11b	Low	2412	23.06
	Mid	2437	22.72
	High	2462	22.77
802.11g	Low	2412	22.30
	Mid	2437	24.44
	High	2462	21.27
802.11n 20 MHz Port 1	Low	2412	19.29
	Mid	2437	19.37
	High	2462	19.20
802.11n 20 MHz Port 2	Low	2412	19.30
	Mid	2437	19.39
	High	2462	19.41
802.11n 20 MHz Port 3	Low	2412	19.12
	Mid	2437	19.31
	High	2462	19.38
802.11n 40 MHz Port 1	Low	2422	19.15
	Mid	2437	19.21
	High	2452	18.96
802.11n 40 MHz Port 2	Low	2422	19.00
	Mid	2437	19.11
	High	2452	19.10
802.11n 40 MHz Port 3	Low	2422	19.14
	Mid	2437	19.11
	High	2452	19.20

Table 28. Peak Power Output, Test Results, 6dBi Omni/Patch Antenna, 2.4 GHz

Summed Conducted Output Power – Omni/Patch Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11n 20 MHz Summed	Low	2412	24.01
	Mid	2437	24.13
	High	2462	24.10
802.11n 40 MHz Summed	Low	2422	23.87
	Mid	2437	23.91
	High	2452	23.86

Table 29. Summed Peak Output Power, Test Results, 6dBi Omni/Patch Antenna

Peak Conducted Output Power – 2 dBi Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11a	Low	5745	23.57
	Mid	5785	23.82
	High	5825	23.93
802.11n 20 MHz Port 1	Low	5745	23.72
	Mid	5785	23.70
	High	5825	23.71
802.11n 20 MHz Port 2	Low	5745	23.75
	Mid	5785	23.51
	High	5825	23.64
802.11n 20 MHz Port 3	Low	5745	23.65
	Mid	5785	23.73
	High	5825	24.00
802.11n 40 MHz Port 1	Low	5755	23.67
	High	5795	23.61
802.11n 40 MHz Port 2	Low	5755	23.43
	High	5795	23.33
802.11n 40 MHz Port 3	Low	5755	23.58
	High	5795	23.93
802.11n 80 MHz Port 1	--	5775	23.31
802.11n 80 MHz Port 2	--	5775	22.78
802.11n 80 MHz Port 3	--	5775	23.14

Table 30. Peak Power Output, Test Results, 2 dBi Antenna, 5 GHz

Summed Conducted Output Power – 2 dBi Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11n 20 MHz Port	Low	5745	28.48
	Mid	5785	28.42
	High	5825	28.56
802.11n 40 MHz Port	Low	5755	28.33
	High	5795	28.40
802.11n 80 MHz Port	--	5775	27.85

Table 31. Summed Peak Output Power, Test Results, 2 dBi Antenna

Peak Conducted Output Power – 4 dBi Ceiling Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11a	Low	5745	21.57
	Mid	5785	21.82
	High	5825	21.93
802.11n 20 MHz Port 1	Low	5745	21.72
	Mid	5785	21.7
	High	5825	21.71
802.11n 20 MHz Port 2	Low	5745	21.75
	Mid	5785	21.51
	High	5825	21.64
802.11n 20 MHz Port 3	Low	5745	21.65
	Mid	5785	21.73
	High	5825	22
802.11n 40 MHz Port 1	Low	5755	21.67
	High	5795	21.61
802.11n 40 MHz Port 2	Low	5755	21.43
	High	5795	21.33
802.11n 40 MHz Port 3	Low	5755	21.58
	High	5795	21.93
802.11n 80 MHz Port 1	--	5775	21.31
802.11n 80 MHz Port 2	--	5775	20.78
802.11n 80 MHz Port 3	--	5775	21.14

Table 32. Peak Power Output, Test Results, 4 Ceiling dBi Antenna, 5 GHz

Summed Conducted Output Power – 4 dBi Ceiling Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11n 20 MHz Port	Low	5745	26.48
	Mid	5785	26.42
	High	5825	26.56
802.11n 40 MHz Port	Low	5755	26.33
	High	5795	26.4
802.11n 80 MHz Port	--	5775	25.85

Table 33. Summed Peak Output Power, Test Results, 4 dBi Ceiling Antenna

Peak Conducted Output Power – 6 dBi Omni Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11a	Low	5745	19.57
	Mid	5785	19.82
	High	5825	19.93
802.11n 20 MHz Port 1	Low	5745	19.72
	Mid	5785	19.7
	High	5825	19.71
802.11n 20 MHz Port 2	Low	5745	19.75
	Mid	5785	19.51
	High	5825	19.64
802.11n 20 MHz Port 3	Low	5745	19.65
	Mid	5785	19.73
	High	5825	20
802.11n 40 MHz Port 1	Low	5755	19.67
	High	5795	19.61
802.11n 40 MHz Port 2	Low	5755	19.43
	High	5795	19.33
802.11n 40 MHz Port 3	Low	5755	19.58
	High	5795	19.93
802.11n 80 MHz Port 1	--	5775	19.31
802.11n 80 MHz Port 2	--	5775	18.78
802.11n 80 MHz Port 3	--	5775	19.14

Table 34. Peak Power Output, Test Results, 6 dBi Omni Antenna, 5 GHz

Summed Conducted Output Power – 6 dBi Omni Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11n 20 MHz Port	Low	5745	24.48
	Mid	5785	24.42
	High	5825	24.56
802.11n 40 MHz Port	Low	5755	24.33
	High	5795	24.4
802.11n 80 MHz Port	--	5775	23.85

Table 35. Summed Peak Output Power, Test Results, 6 dBi Omni Antenna

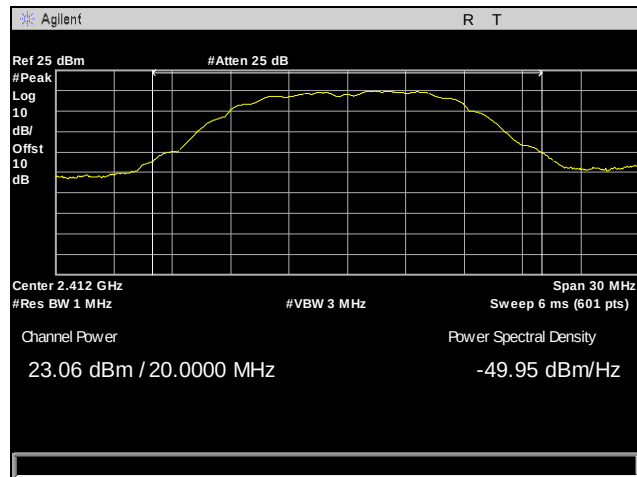
Peak Conducted Output Power – 7 dBi Patch Antenna			
	Carrier Channel	Frequency (MHz)	Measured Peak Output Power dBm
802.11a	Low	5745	18.57
	Mid	5785	18.82
	High	5825	18.93
802.11n 20 MHz Port 1	Low	5745	18.72
	Mid	5785	18.7
	High	5825	18.71
802.11n 20 MHz Port 2	Low	5745	18.75
	Mid	5785	18.51
	High	5825	18.64
802.11n 20 MHz Port 3	Low	5745	18.65
	Mid	5785	18.73
	High	5825	19
802.11n 40 MHz Port 1	Low	5755	18.67
	High	5795	18.61
802.11n 40 MHz Port 2	Low	5755	18.43
	High	5795	18.33
802.11n 40 MHz Port 3	Low	5755	18.58
	High	5795	18.93
802.11n 80 MHz Port 1	--	5775	18.31
802.11n 80 MHz Port 2	--	5775	17.78
802.11n 80 MHz Port 3	--	5775	18.14

Table 36. Peak Power Output, Test Results, 7 dBi Patch Antenna, 5 GHz

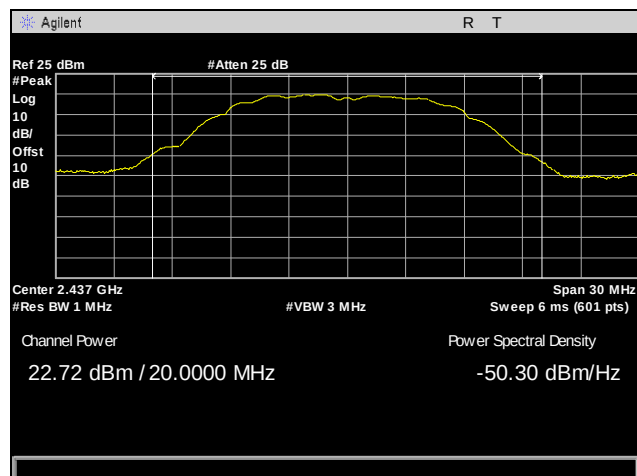
Summed Conducted Output Power – 7 dBi Patch Antenna			
	Carrier	Frequency	Measured Peak Output Power
	Channel	(MHz)	dBm
802.11n 20 MHz Port	Low	5745	23.48
	Mid	5785	23.42
	High	5825	23.56
802.11n 40 MHz Port	Low	5755	23.33
	High	5795	23.4
802.11n 80 MHz Port	--	5775	22.85

Table 37. Summed Peak Output Power, Test Results, 7 dBi Patch Antenna

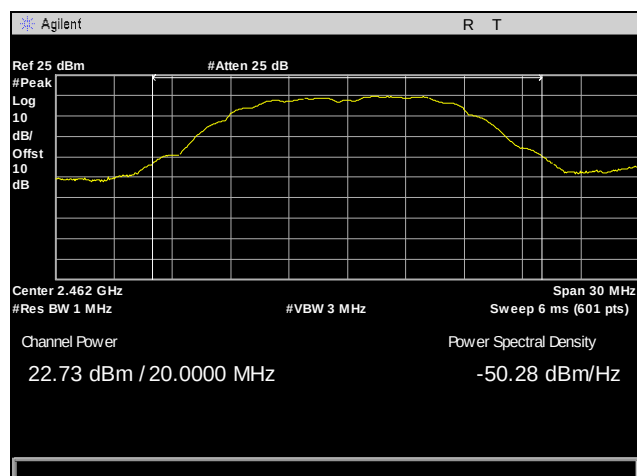
Peak Power Output Test Results, Ceiling Antenna, 802.11b 20 MHz, 2.4 GHz



Plot 105. Output Power, Ceiling Antenna, 802.11b 20 MHz, 2412 MHz, Low Channel

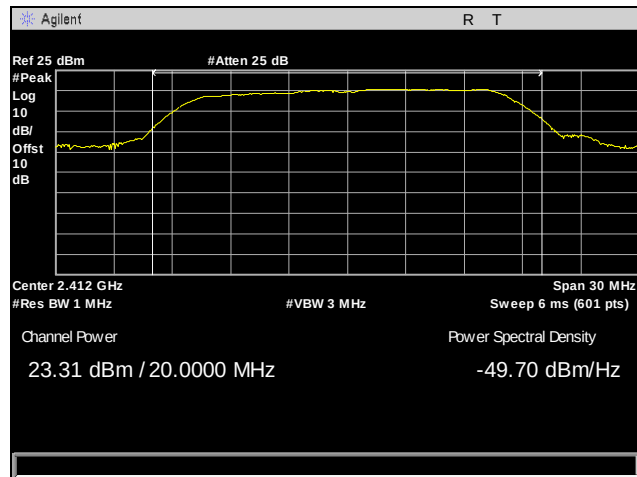


Plot 106. Output Power, Ceiling Antenna, 802.11b 20 MHz, 2437 MHz, Mid Channel

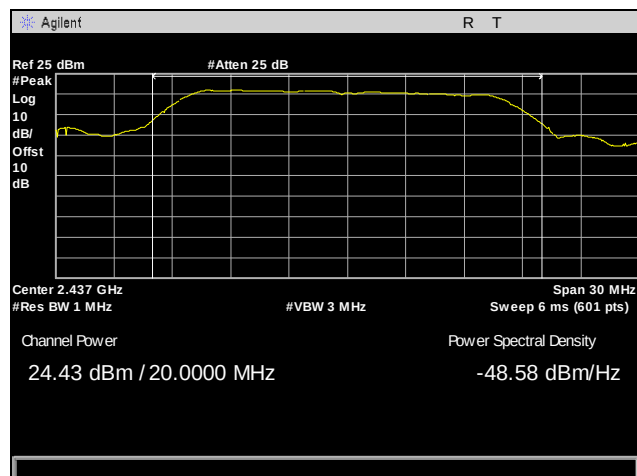


Plot 107. Output Power, Ceiling Antenna, 802.11b 20 MHz, 2462 MHz, High Channel

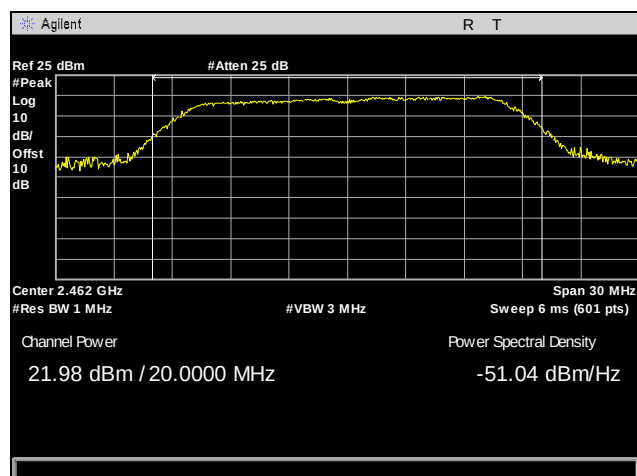
Peak Power Output Test Results, Ceiling Antenna, 802.11g 20 MHz, 2.4 GHz



Plot 108. Output Power, Ceiling Antenna, 802.11g 20 MHz, 2412 MHz, Low Channel

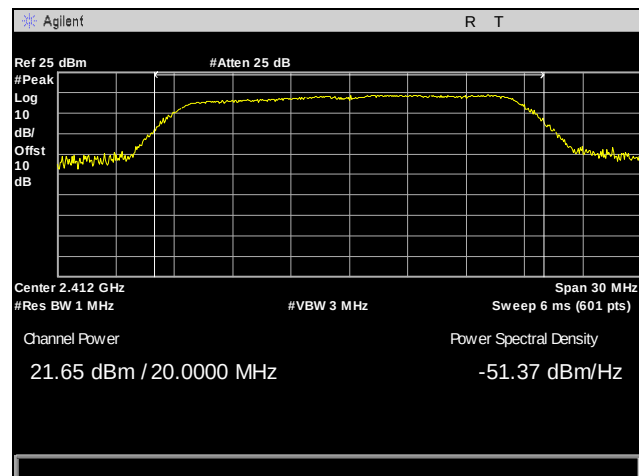


Plot 109. Output Power, Ceiling Antenna, 802.11g 20 MHz, 2437 MHz, Mid Channel

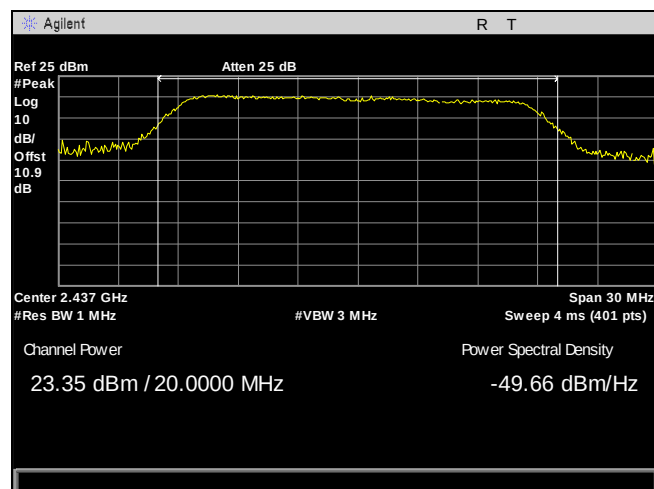


Plot 110. Output Power, Ceiling Antenna, 802.11g 20 MHz, 2462 MHz, High Channel

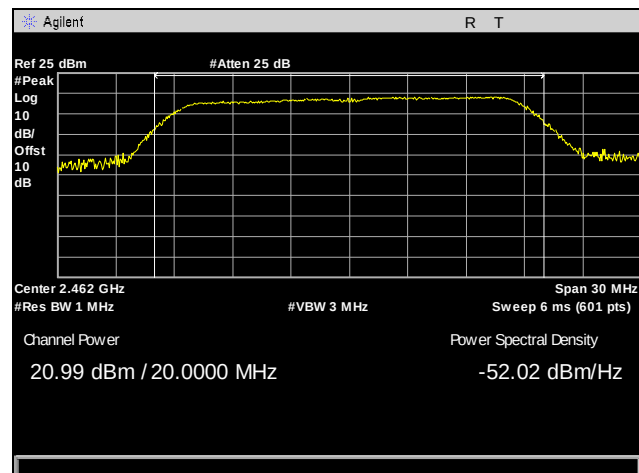
Peak Power Output Test Results, Ceiling Antenna, 802.11n 20 MHz, Port 1, 2.4 GHz



Plot 111. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1

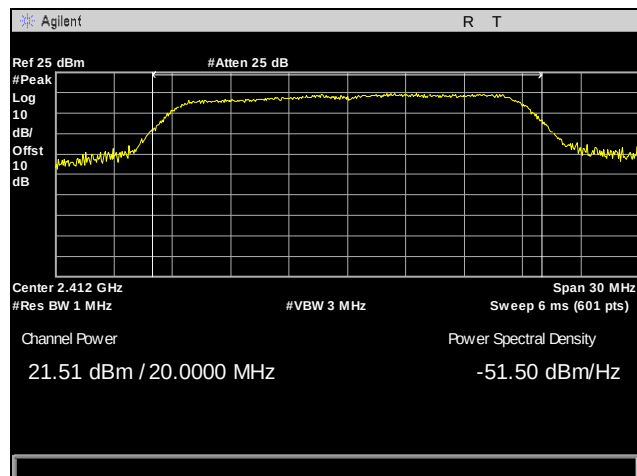


Plot 112. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1

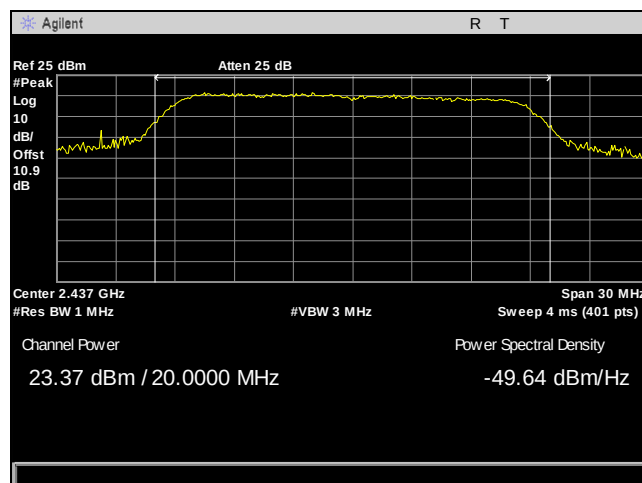


Plot 113. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1

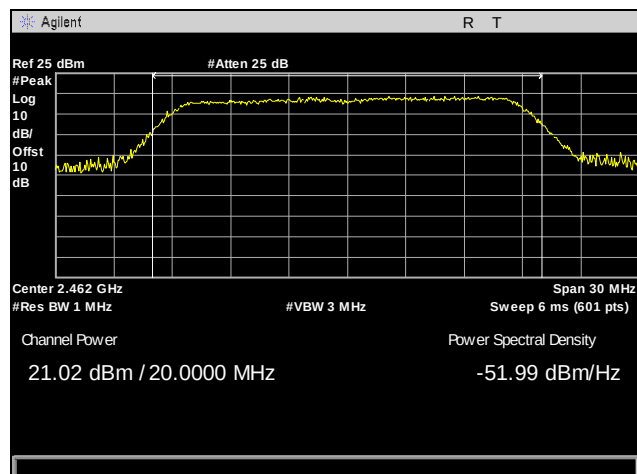
Peak Power Output Test Results, Ceiling Antenna, 802.11n 20 MHz, Port 2, 2.4 GHz



Plot 114. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2

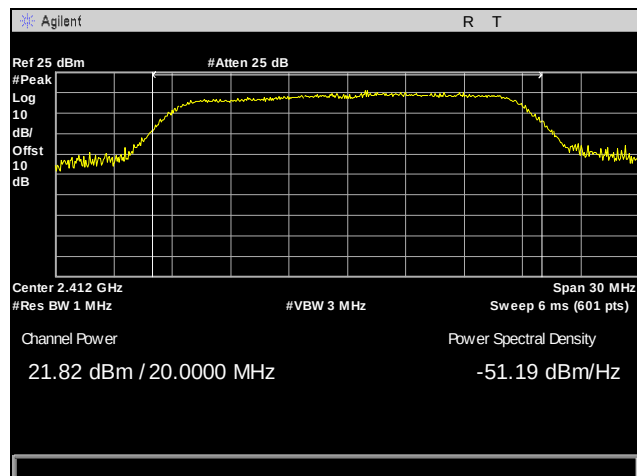


Plot 115. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2

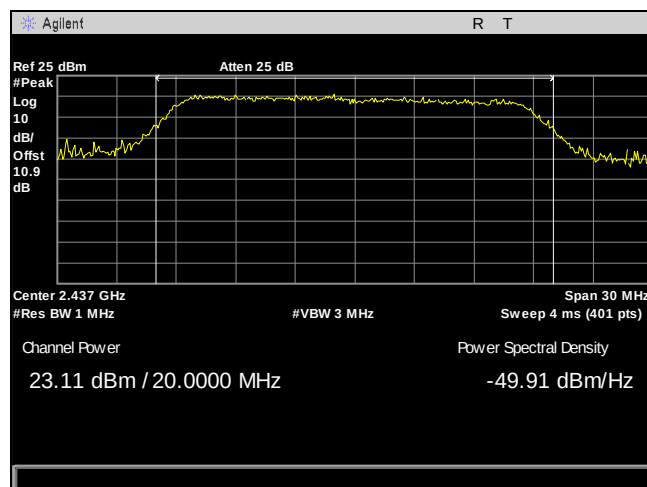


Plot 116. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2

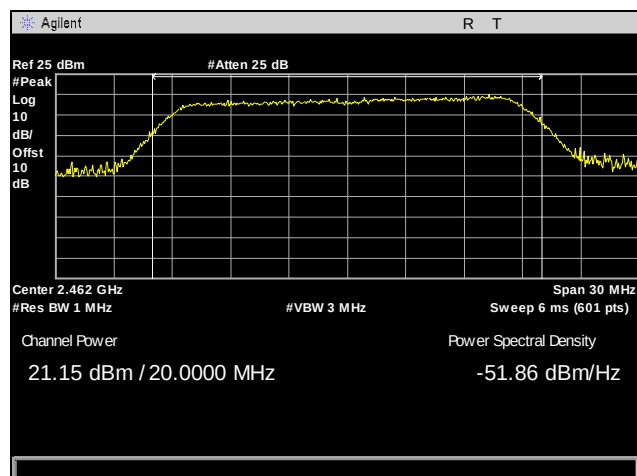
Peak Power Output Test Results, Ceiling Antenna, 802.11n 20 MHz, Port 3, 2.4 GHz



Plot 117. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3

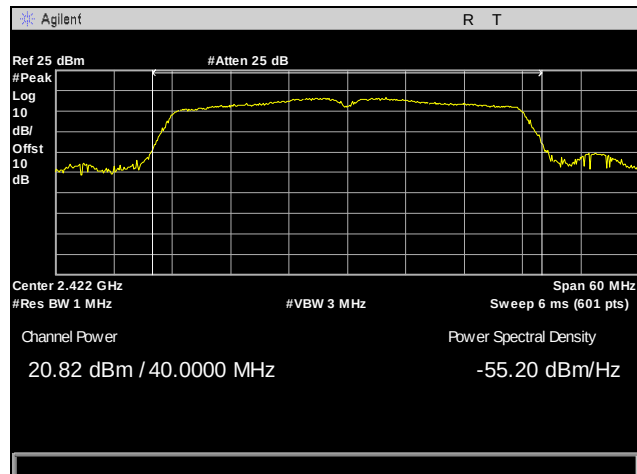


Plot 118. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3

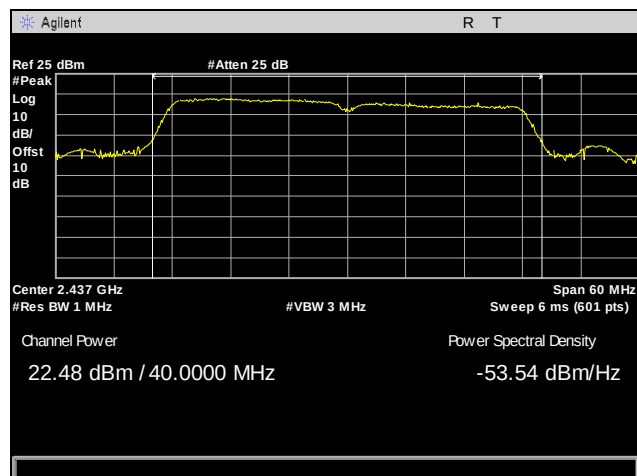


Plot 119. Output Power, Ceiling Antenna, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3

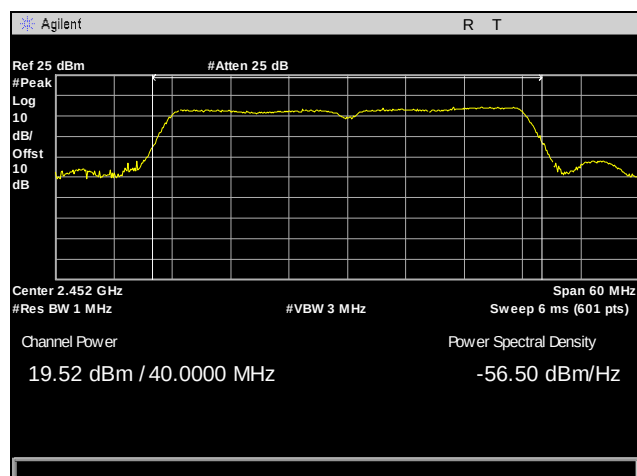
Peak Power Output Test Results, Ceiling Antenna, 802.11n 40 MHz, Port 1, 2.4 GHz



Plot 120. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1

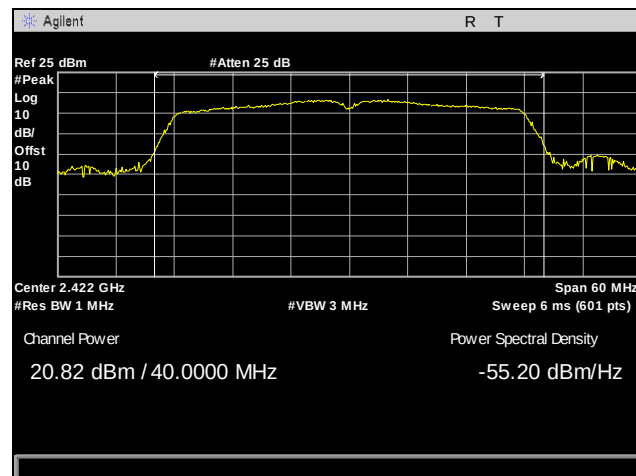


Plot 121. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1

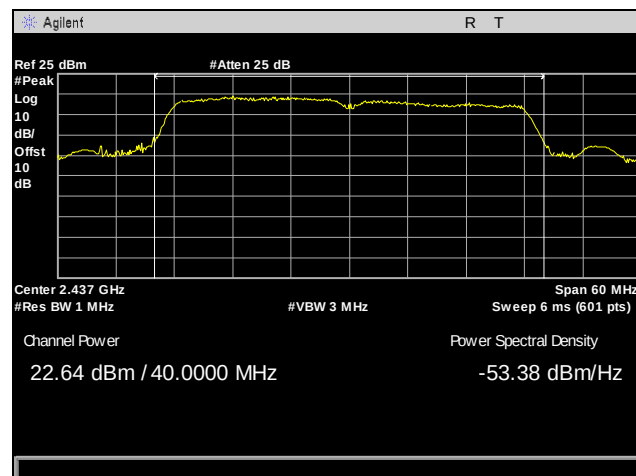


Plot 122. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1

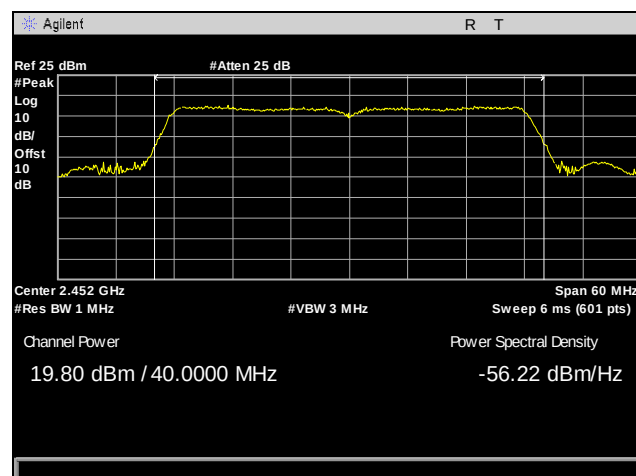
Peak Power Output Test Results, Ceiling Antenna, 802.11n 40 MHz, Port 2, 2.4 GHz



Plot 123. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2

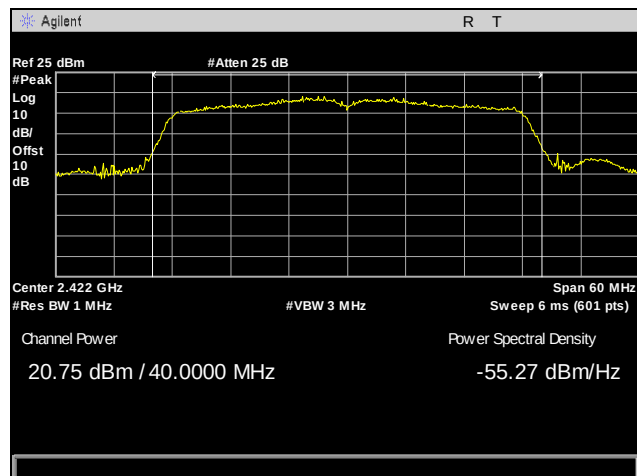


Plot 124. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2

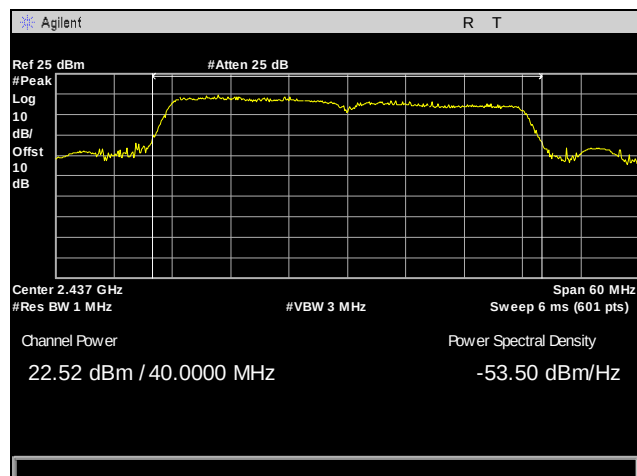


Plot 125. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2

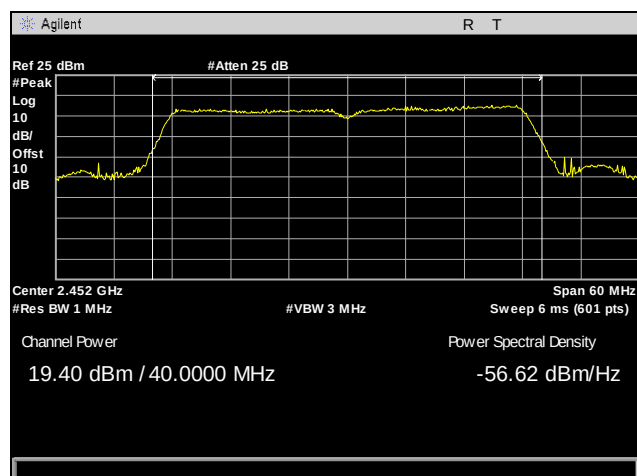
Peak Power Output Test Results, Ceiling Antenna, 802.11n 40 MHz, Port 3, 2.4 GHz



Plot 126. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3

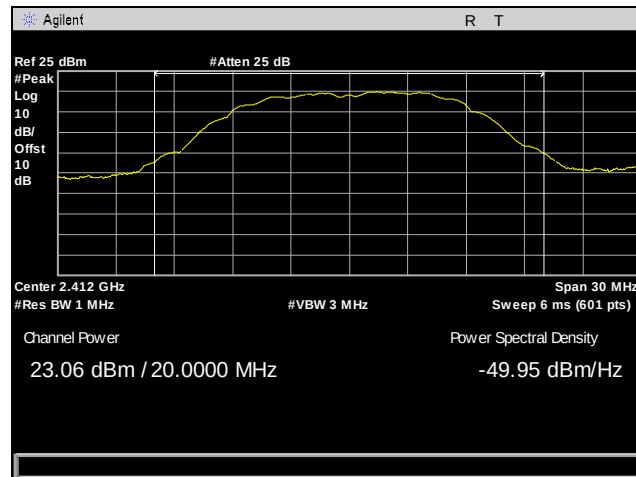


Plot 127. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3

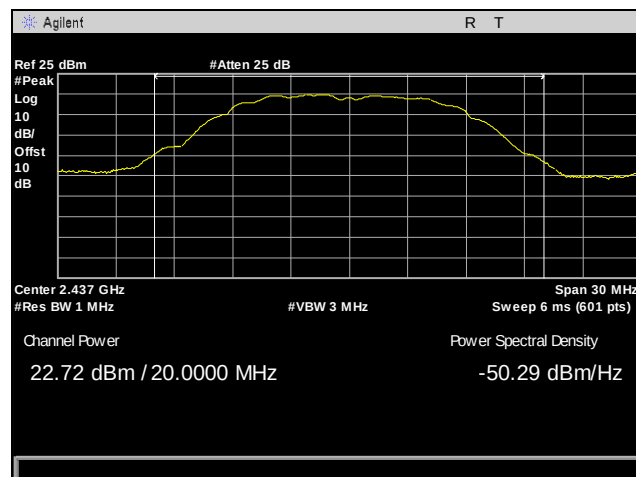


Plot 128. Output Power, Ceiling Antenna, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3

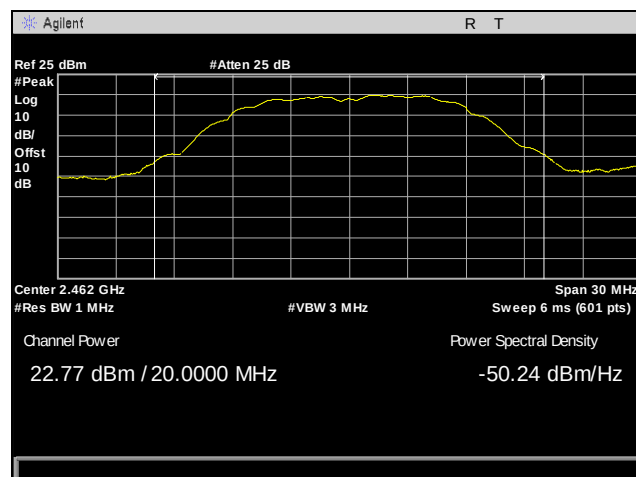
Peak Power Output Test Results, 6 dBi Omni/Patch Antenna, 802.11b 20 MHz, 2.4 GHz



Plot 129. Output Power, Omni/Patch, 802.11b 20 MHz, 2412 MHz, Low Channel

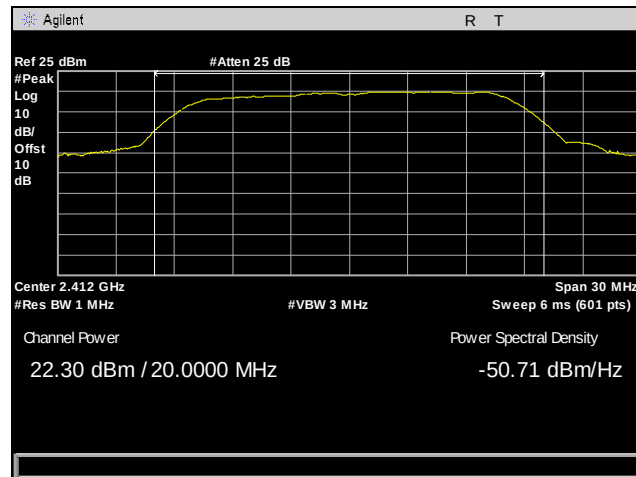


Plot 130. Output Power, Omni/Patch, 802.11b 20 MHz, 2437 MHz, Mid Channel

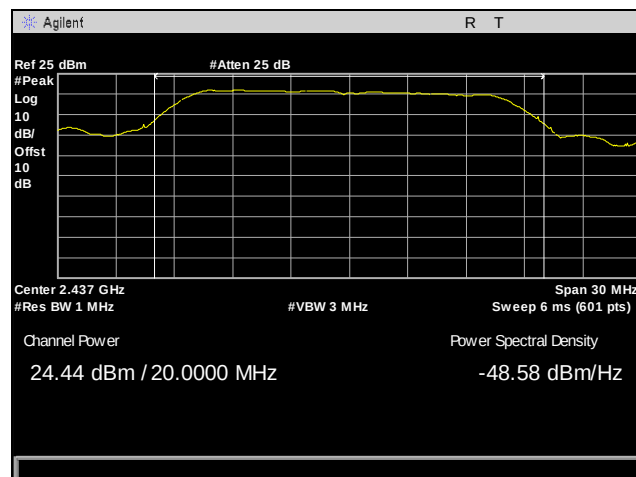


Plot 131. Output Power, Omni/Patch, 802.11b 20 MHz, 2462 MHz, High Channel

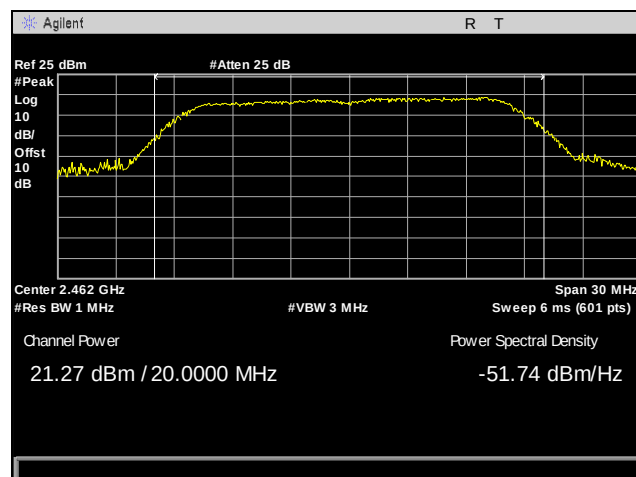
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11g 20 MHz, 2.4 GHz



Plot 132. Output Power, Omni/Patch, 802.11g 20 MHz, 2412 MHz, Low Channel

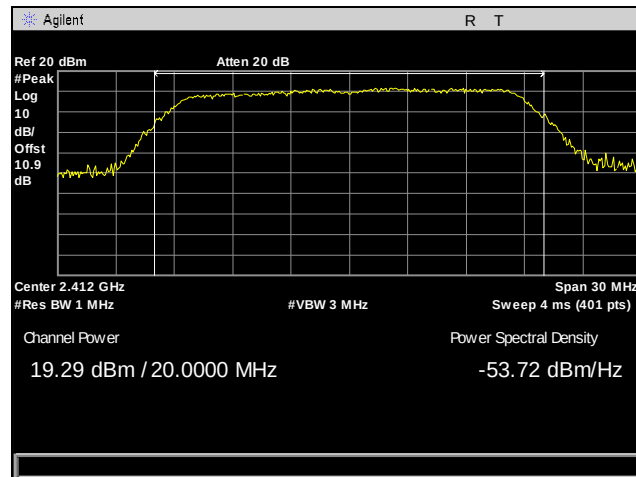


Plot 133. Output Power, Omni/Patch, 802.11g 20 MHz, 2437 MHz, Mid Channel

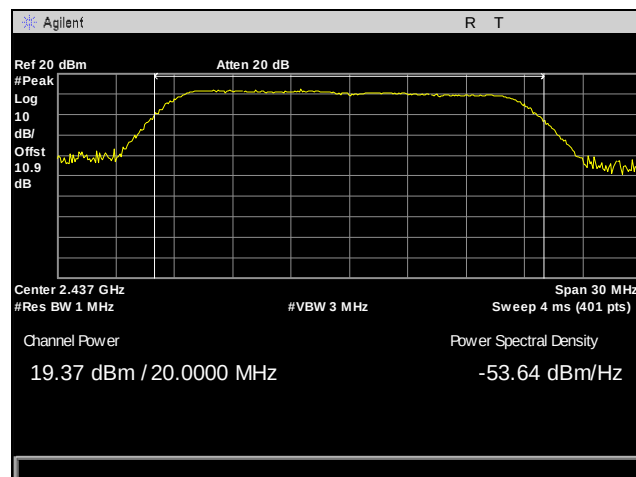


Plot 134. Output Power, Omni/Patch, 802.11g 20 MHz, 2462 MHz, High Channel

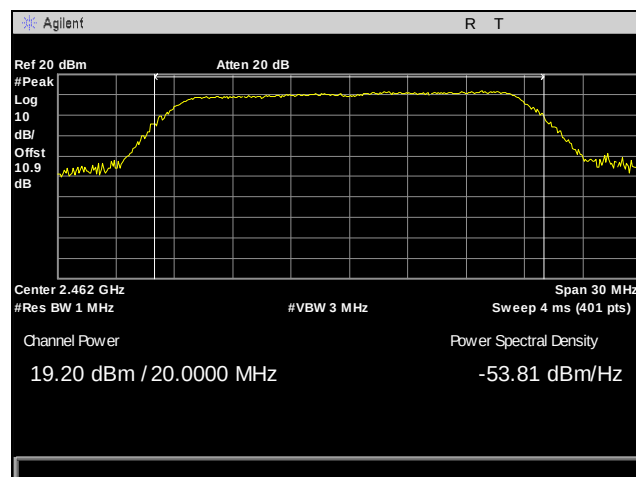
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11n 20 MHz, Port 1, 2.4 GHz



Plot 135. Output Power, Omni/Patch, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 1

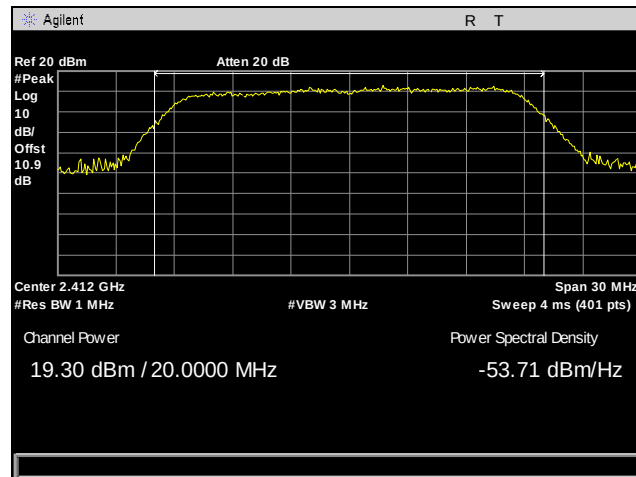


Plot 136. Output Power, Omni/Patch, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 1

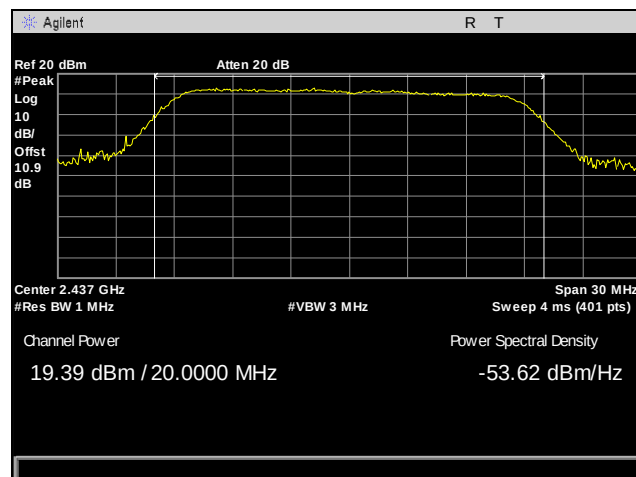


Plot 137. Output Power, Omni/Patch, 802.11n 20 MHz, 2462 MHz, High Channel, Port 1

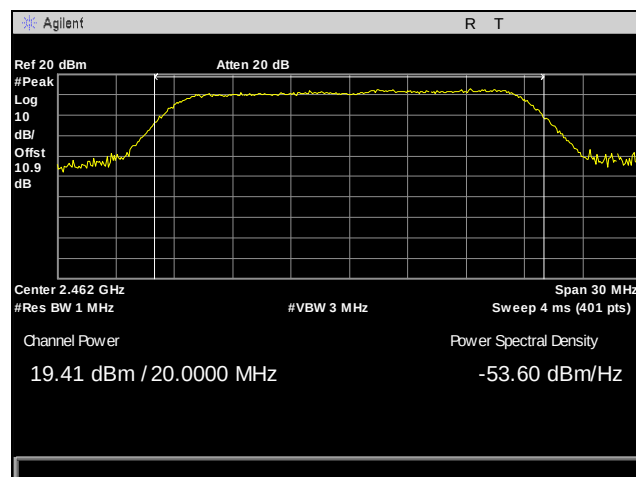
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11n 20 MHz, Port 2, 2.4 GHz



Plot 138. Output Power, Omni/Patch, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 2

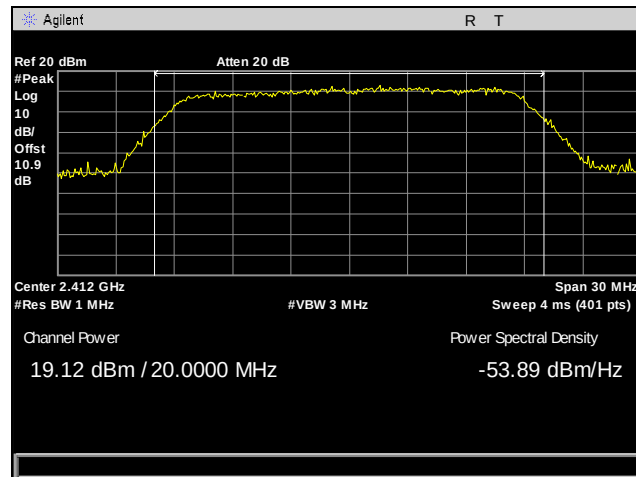


Plot 139. Output Power, Omni/Patch, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 2

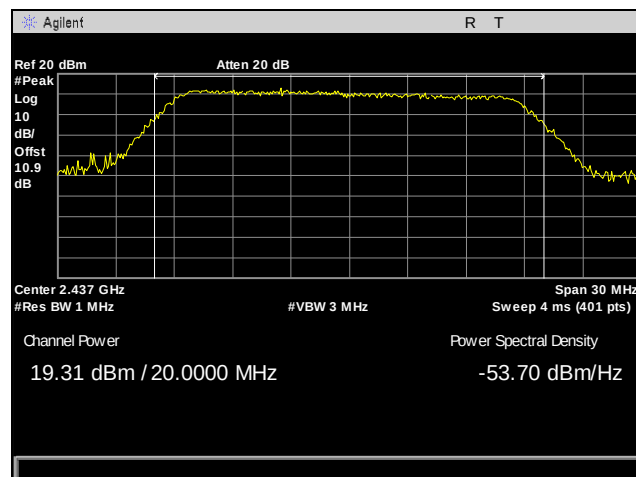


Plot 140. Output Power, Omni/Patch, 802.11n 20 MHz, 2462 MHz, High Channel, Port 2

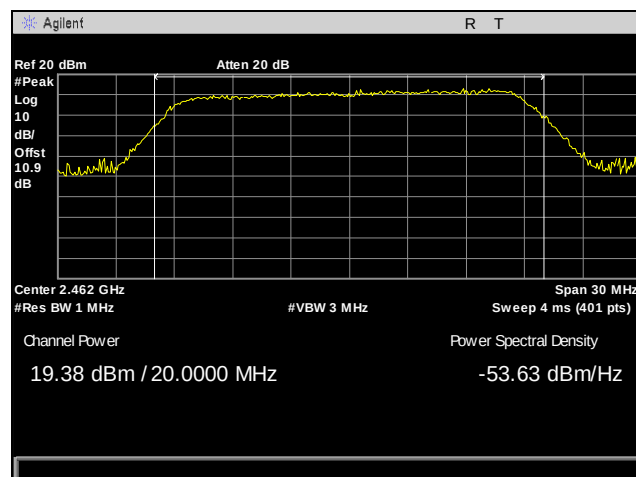
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11n 20 MHz, Port 3, 2.4 GHz



Plot 141. Output Power, Omni/Patch, 802.11n 20 MHz, 2412 MHz, Low Channel, Port 3

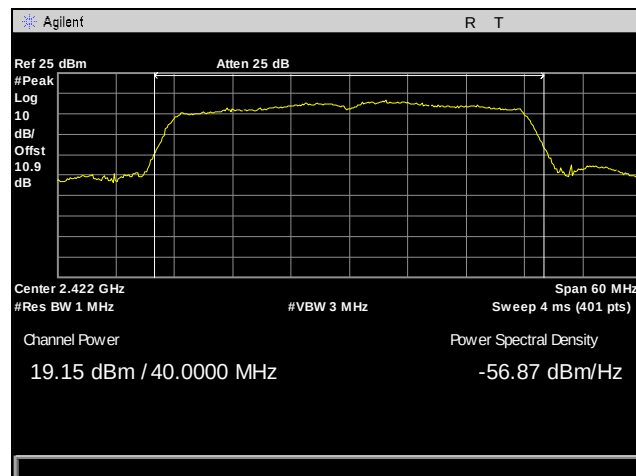


Plot 142. Output Power, Omni/Patch, 802.11n 20 MHz, 2437 MHz, Mid Channel, Port 3

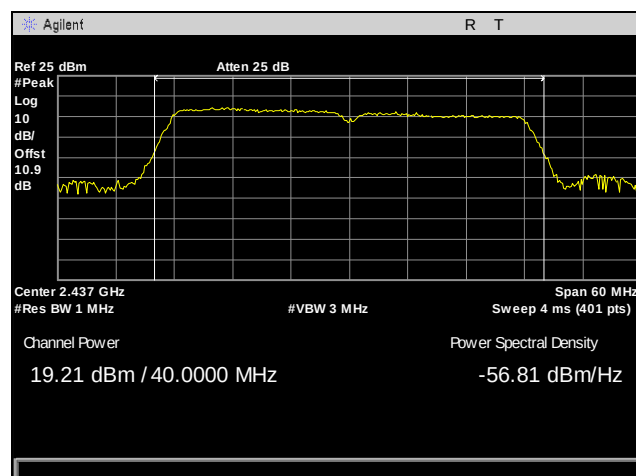


Plot 143. Output Power, Omni/Patch, 802.11n 20 MHz, 2462 MHz, High Channel, Port 3

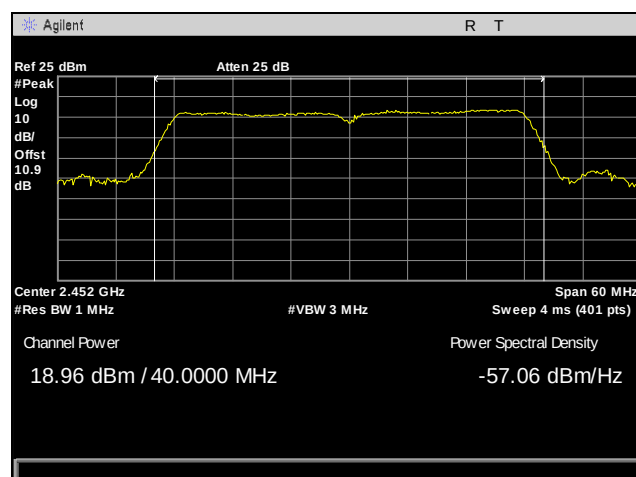
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11n 40 MHz, Port 1, 2.4 GHz



Plot 144. Output Power, Omni/Patch, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 1

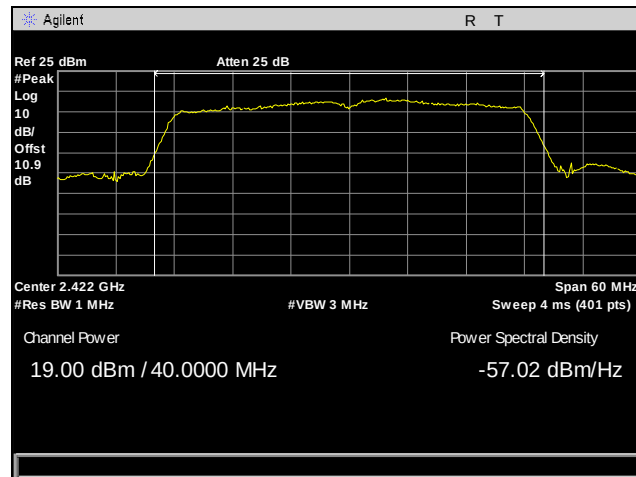


Plot 145. Output Power, Omni/Patch, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 1

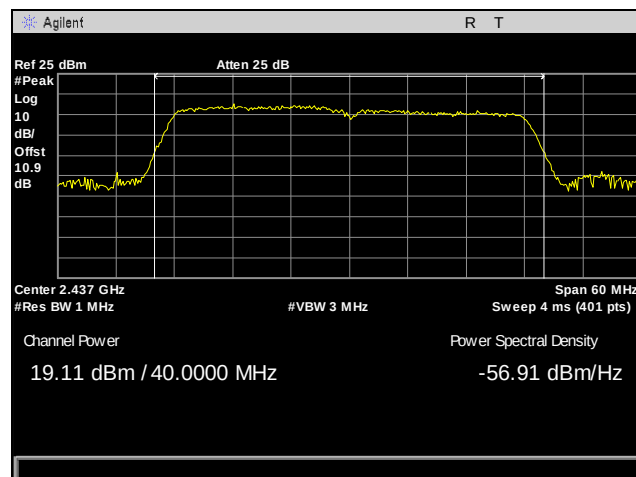


Plot 146. Output Power, Omni/Patch, 802.11n 40 MHz, 2452 MHz, High Channel, Port 1

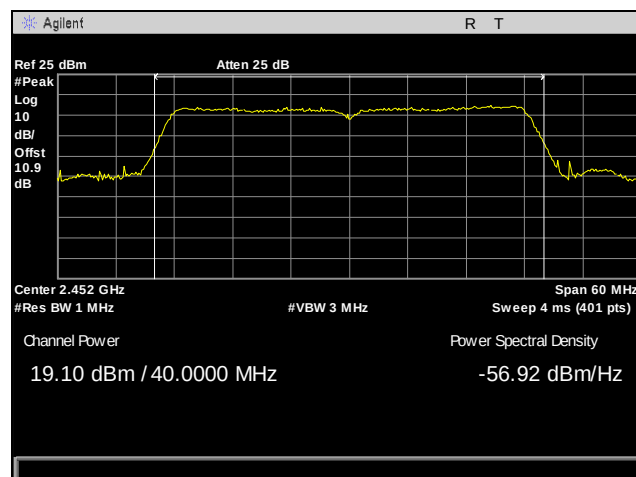
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11n 40 MHz, Port 2, 2.4 GHz



Plot 147. Output Power, Omni/Patch, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 2

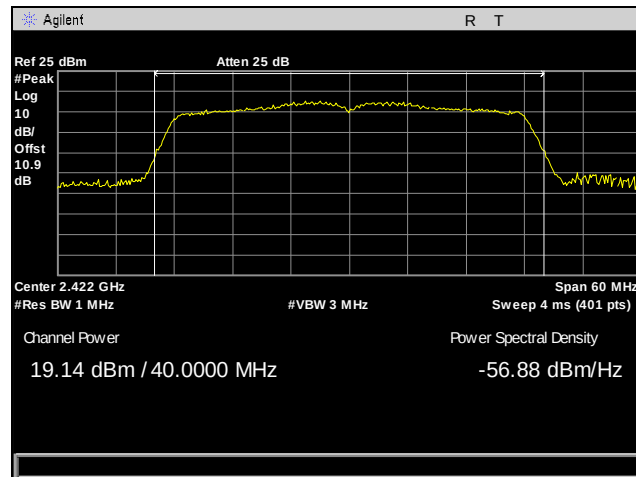


Plot 148. Output Power, Omni/Patch, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 2

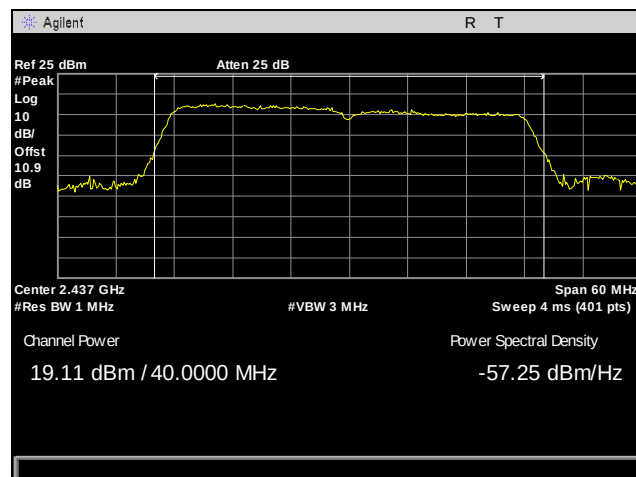


Plot 149. Output Power, Omni/Patch, 802.11n 40 MHz, 2452 MHz, High Channel, Port 2

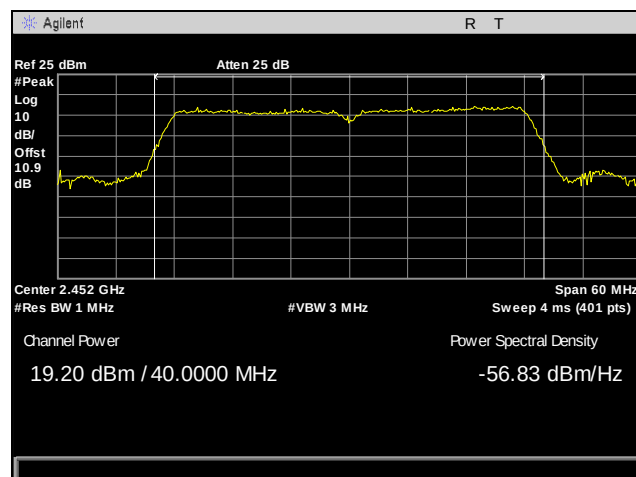
Peak Power Output Test Results, 6 dBi Omni/Patch, 802.11n 40 MHz, Port 3, 2.4 GHz



Plot 150. Output Power, Omni/Patch, 802.11n 40 MHz, 2422 MHz, Low Channel, Port 3

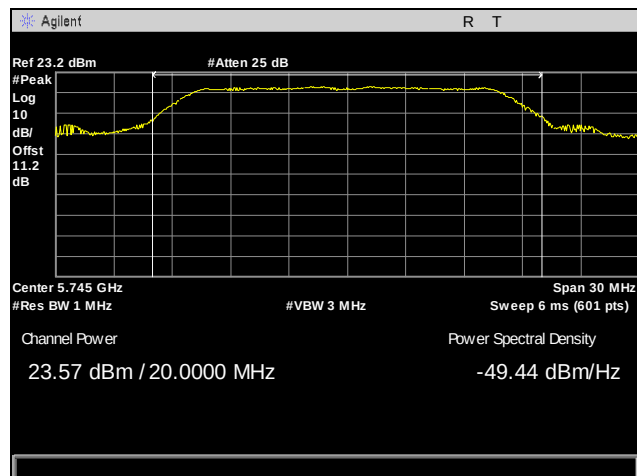


Plot 151. Output Power, Omni/Patch, 802.11n 40 MHz, 2437 MHz, Mid Channel, Port 3

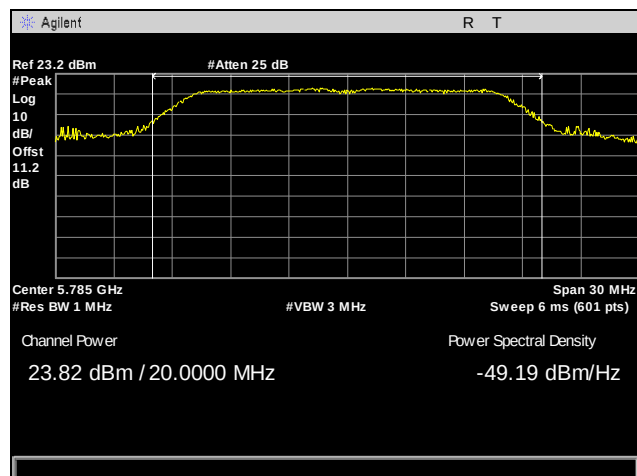


Plot 152. Output Power, Omni/Patch, 802.11n 40 MHz, 2452 MHz, High Channel, Port 3

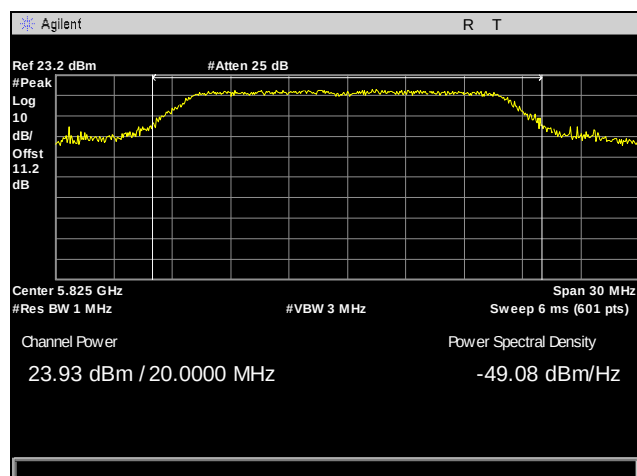
Peak Power Output Test Results, 2 dBi Antenna, 802.11a 20 MHz, 5 GHz



Plot 153. Output Power, 2 dBi Antenna, 802.11a 20 MHz, 5745 MHz, Low Channel

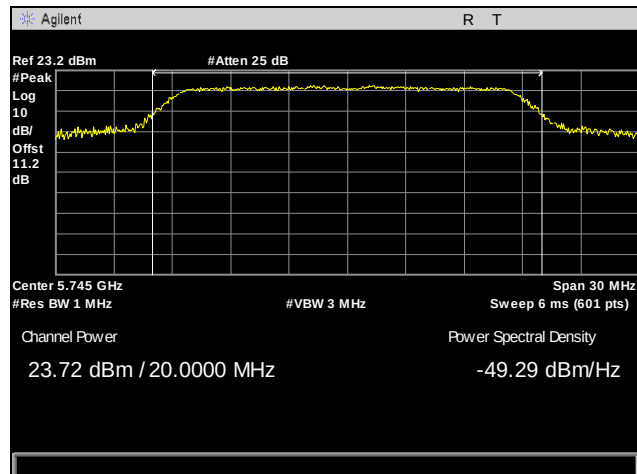


Plot 154. Output Power, 2 dBi Antenna, 802.11a 20 MHz, 5785 MHz, Mid Channel

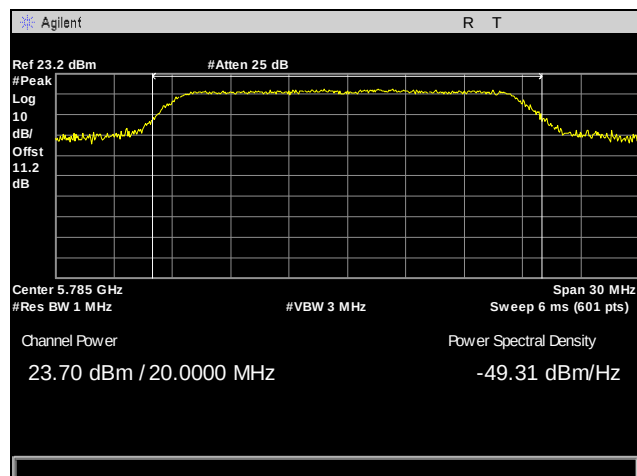


Plot 155. Output Power, 2 dBi Antenna, 802.11a 20 MHz, 5825 MHz, High Channel

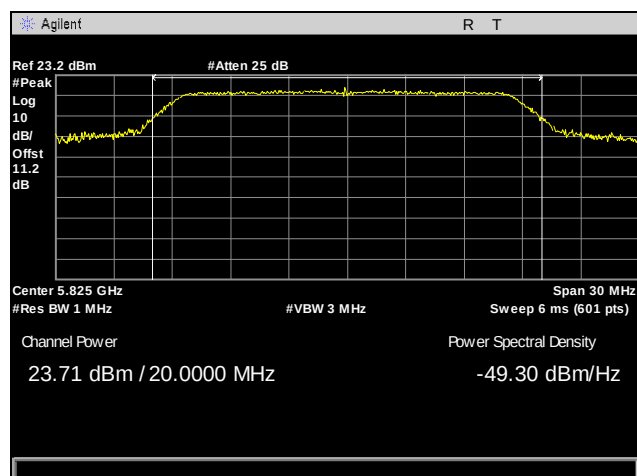
Peak Power Output Test Results, 2 dBi Antenna, 802.11n 20 MHz, Port 1, 5 GHz



Plot 156. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 1

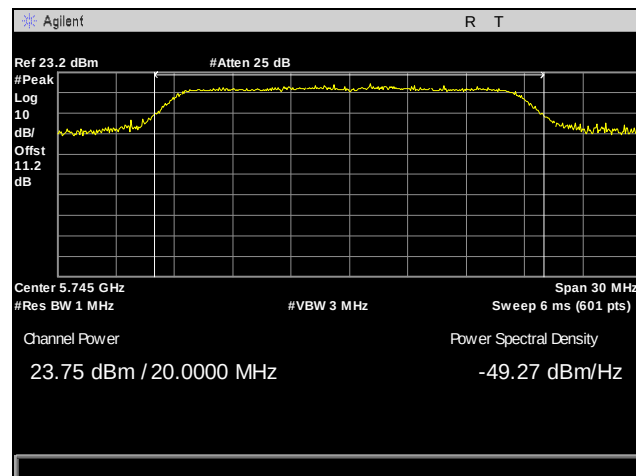


Plot 157. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 1

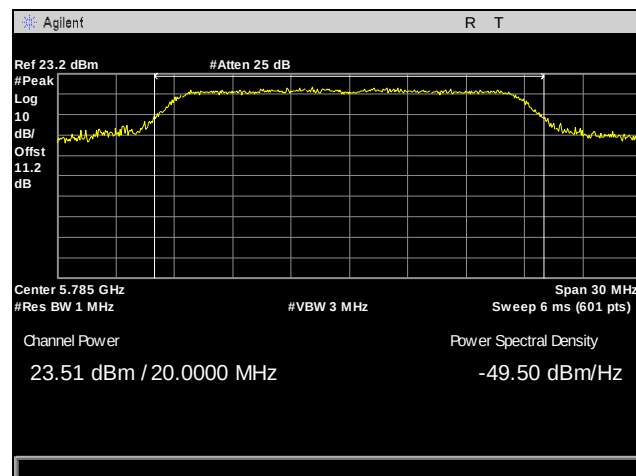


Plot 158. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5825 MHz, High Channel, Port 1

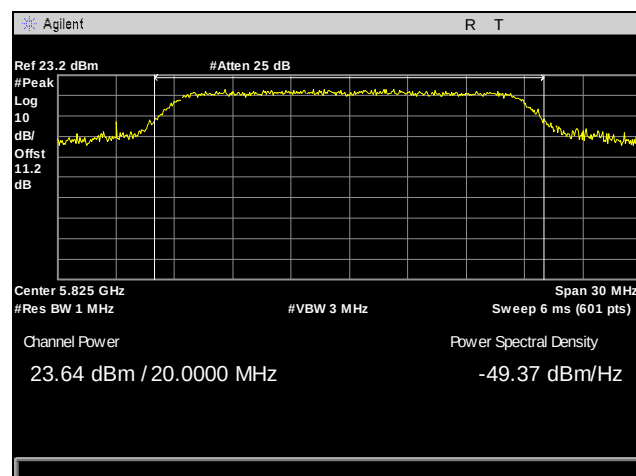
Peak Power Output Test Results, 2 dBi Antenna, 802.11n 20 MHz, Port 2, 5 GHz



Plot 159. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 2

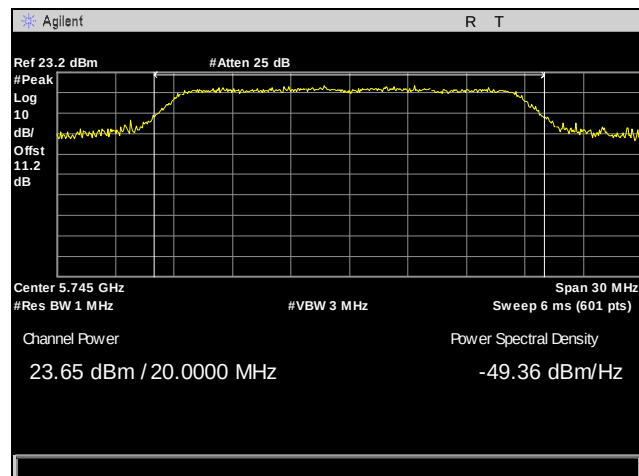


Plot 160. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 2

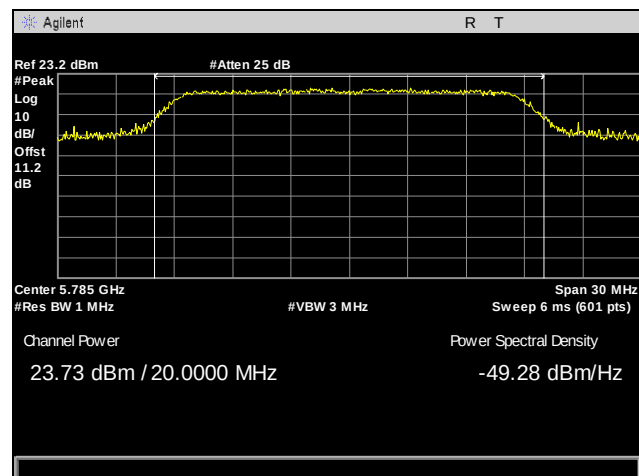


Plot 161. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5825 MHz, High Channel, Port 2

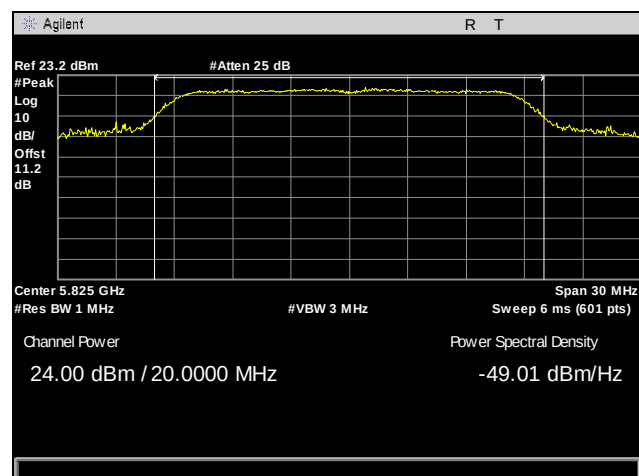
Peak Power Output Test Results, 2 dBi Antenna, 802.11n 20 MHz, Port 3, 5 GHz



Plot 162. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5745 MHz, Low Channel, Port 3

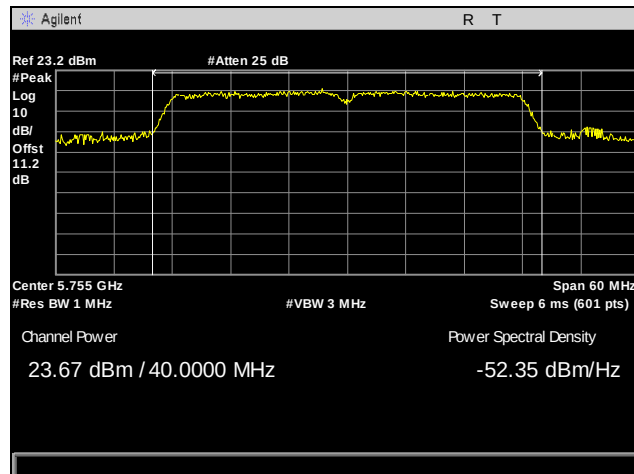


Plot 163. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5785 MHz, Mid Channel, Port 3

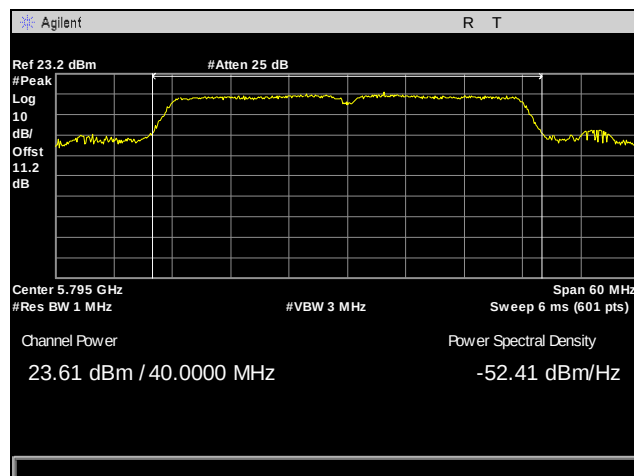


Plot 164. Output Power, 2 dBi Antenna, 802.11n 20 MHz, 5825 MHz, High Channel, Port 3

Peak Power Output Test Results, 2 dBi Antenna, 802.11n 40 MHz, Port 1, 5 GHz

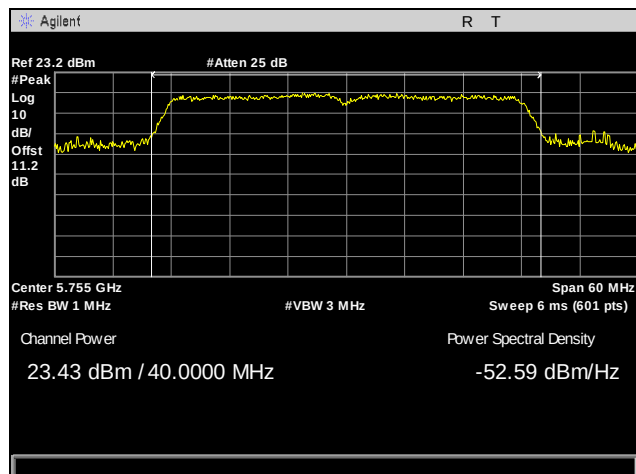


Plot 165. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 1

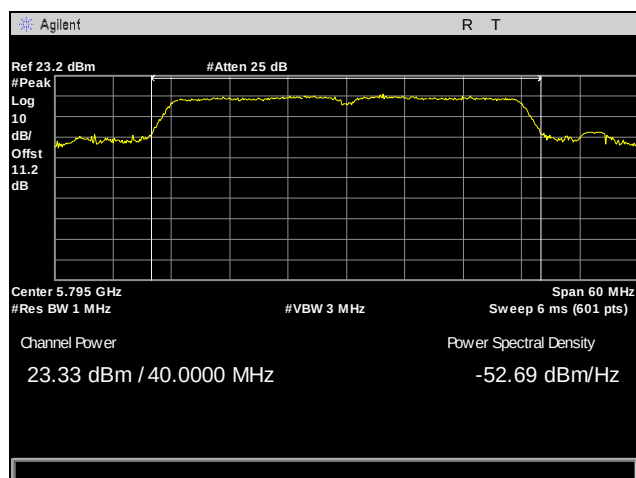


Plot 166. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5795 MHz, High Channel, Port 1

Peak Power Output Test Results, 2 dBi Antenna, 802.11n 40 MHz, Port 2, 5 GHz

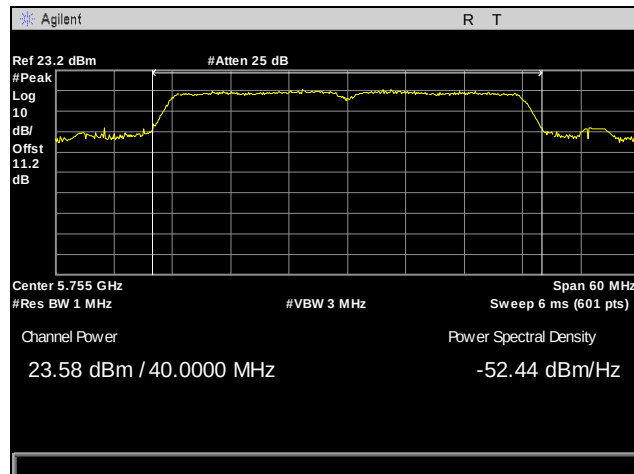


Plot 167. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 2

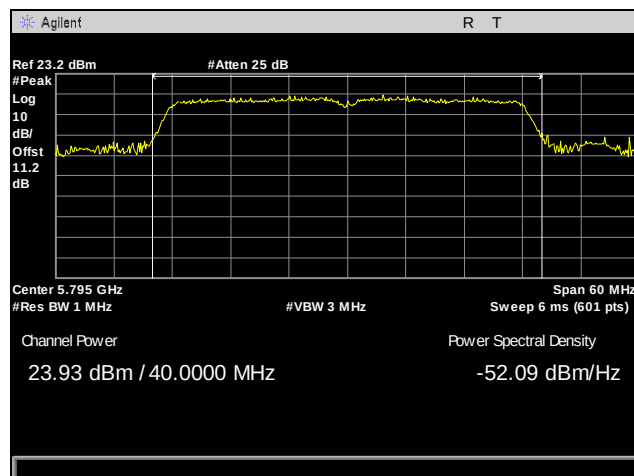


Plot 168. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5795 MHz, High Channel, Port 2

Peak Power Output Test Results, 2 dBi Antenna, 802.11n 40 MHz, Port 3, 5 GHz

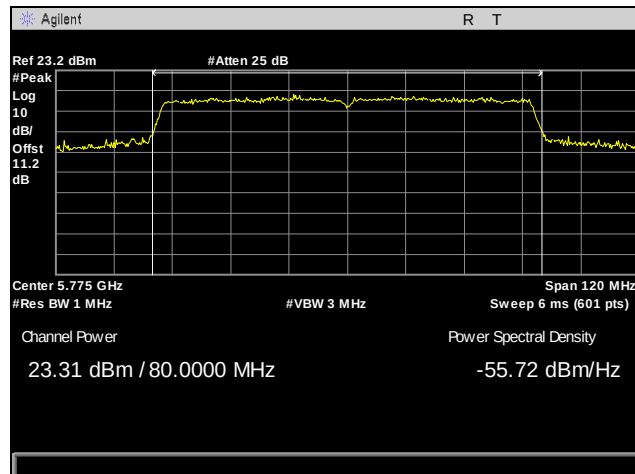


Plot 169. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5755 MHz, Low Channel, Port 3

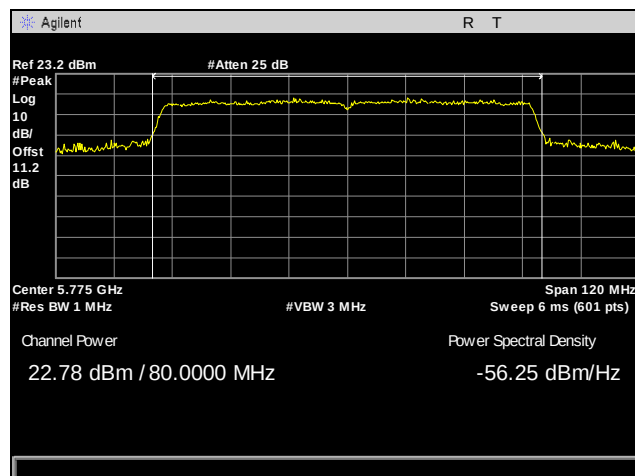


Plot 170. Output Power, 2 dBi Antenna, 802.11n 40 MHz, 5795 MHz, High Channel, Port 3

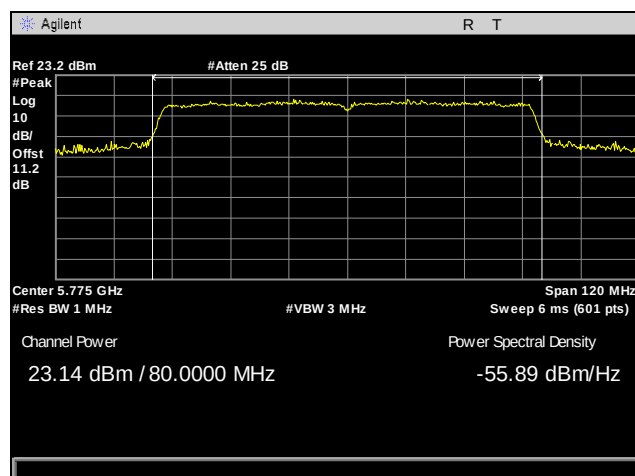
Peak Power Output Test Results, 2 dBi Antenna, 802.11n 80 MHz, 5 GHz



Plot 171. Output Power, 2 dBi Antenna, 802.11n 80 MHz, 5775 MHz, Port 1



Plot 172. Output Power, 2 dBi Antenna, 802.11n 80 MHz, 5775 MHz, Port 2



Plot 173. Output Power, 2 dBi Antenna, 802.11n 80 MHz, 5775 MHz, Port 3