



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, TEXAS 78753 • PHONE (512) 287-2500 • FAX (512) 287-2513

March 27, 2014

ARRIS Group, Inc.
3871 Lakefield Drive, Suite 300
Suwanee, GA 30024

Dear Ed Champion,

Enclosed is the EMC Wireless test report for compliance testing of the ARRIS Group, Inc., SGB6700 AC 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: (\ARRIS Group, Inc.\EMC41043B-FCC247 Rev. 5)

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

**ARRIS Group, Inc.
SGB6700 AC**

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: EMC41043B-FCC247 Rev. 5

March 27, 2014

Prepared For:

**ARRIS Group, Inc.
3871 Lakefield Drive
, Suite 300
Suwanee, GA 30024**

Prepared By:
MET Laboratories, Inc.
914 W. Patapsco Ave
Baltimore, MD 21230

Electromagnetic Compatibility Criteria Test Report

for the

ARRIS Group, Inc.
SGB6700 AC

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



Surinder Singh, 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
∅	March 7, 2014	Initial Issue.
1	March 18, 2014	Editorial correction.
2	March 21, 2014	Revised to reflect engineer corrections.
3	March 25, 2014	Editorial correction.
4	March 26, 2014	Editorial correction.
5	March 27, 2014	Editorial correction.

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.....	6
	E. Equipment Configuration.....	6
	F. Support Equipment	6
	G. Ports and Cabling Information.....	7
	H. Mode of Operation.....	7
	I. Method of Monitoring EUT Operation	7
	J. Modifications	7
	a) Modifications to EUT.....	7
	b) Modifications to Test Standard.....	7
	K. Disposition of EUT	7
III.	Electromagnetic Compatibility Criteria for Unintentional Radiators	8
	§ 15.107(a) Conducted Emissions Limits.....	9
	§ 15.109(a) Radiated Emissions Limits.....	12
IV.	Electromagnetic Compatibility Criteria for Intentional Radiators	14
	§ 15.203 Antenna Requirement	15
	§ 15.207(a) Conducted Emissions Limits.....	16
	§ 15.247(a)(a) 6 dB and 99% Bandwidth	21
	§ 15.247(b) Peak Power Output	70
	§ 15.247(d) Radiated Spurious Emissions Requirements and Band Edge.....	102
	§ 15.247(d) RF Conducted Spurious Emissions Requirements and Band Edge.....	177
	§ 15.247(e) Peak Power Spectral Density	219
	§ 15.247(i) Maximum Permissible Exposure	250
V.	Test Equipment	251
VI.	Certification & User's Manual Information	253
	A. Certification Information	254
	B. Label and User's Manual Information	258
VII.	ICES-003 Procedural & Labeling Requirements.....	260

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	6
Table 5. Support Equipment.....	6
Table 6. Ports and Cabling Information	7
Table 7. Conducted Limits for Radio Frequency Devices calculated from FCC Part 15 Subsections 15.107(a) (b)	9
Table 8. Conducted Emissions - Voltage, AC Power, Phase Line (120 VAC, 60 Hz).....	10
Table 9. Conducted Emissions - Voltage, AC Power, Neutral Line (120 VAC, 60 Hz)	11
Table 10. Radiated Emissions Limits calculated from FCC Part 15, §15.109 (a) (b)	12
Table 11. Radiated Emissions Limits, Test Results, 30 MHz – 1 GHz.....	13
Table 12. Conducted Limits for Intentional Radiators from FCC Part 15 § 15.207(a)	16
Table 13. Conducted Emissions, 15.207(a), Phase Line, Test Results	17
Table 14. Conducted Emissions, 15.207(a), Neutral Line, Test Results	19
Table 15. 6 dB Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 0	22
Table 16. 6 dB Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 1	22
Table 17. 6 dB Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 2	22
Table 18. 6 dB Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 0.....	22
Table 19. 6 dB Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 1.....	22
Table 20. 6 dB Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 2.....	23
Table 21. 6 dB Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 0	23
Table 22. 6 dB Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 1	23
Table 23. 6 dB Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 2	23
Table 24. 6 dB Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 0	23
Table 25. 6 dB Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 1	23
Table 26. 6 dB Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 2	24
Table 27. 6 dB Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 0.....	24
Table 28. 6 dB Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 1.....	24
Table 29. 6 dB Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 2.....	24
Table 30. 6 dB Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 0	24
Table 31. 6 dB Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 1	24
Table 32. 6 dB Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 2	25
Table 33. 6 dB Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 0	25
Table 34. 6 dB Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 1	25
Table 35. 6 dB Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 2	25
Table 36. 6 dB Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 0.....	25
Table 37. 6 dB Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 1.....	25
Table 38. 6 dB Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 2.....	25
Table 39. 99% Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 0.....	26
Table 40. 99% Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 1.....	26
Table 41. 99% Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 2.....	26
Table 42. 99% Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 0.....	26
Table 43. 99% Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 1	26
Table 44. 99% Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 2.....	27
Table 45. 99% Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 0	27
Table 46. 99% Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 1	27
Table 47. 99% Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 2	27
Table 48. 99% Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 0.....	27
Table 49. 99% Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 1.....	27
Table 50. 99% Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 2.....	28
Table 51. 99% Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 0.....	28
Table 52. 99% Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 1	28

Table 53. 99% Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 2	28
Table 54. 99% Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 0	28
Table 55. 99% Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 1	28
Table 56. 99% Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 2	29
Table 57. 99% Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 0.....	29
Table 58. 99% Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 1.....	29
Table 59. 99% Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 2.....	29
Table 60. 99% Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 0.....	29
Table 61. 99% Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 1.....	29
Table 62. 99% Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 2.....	29
Table 63. Output Power Requirements from §15.247(b)	70
Table 64. Peak Power Output, Test Results, 802.11a 20 MHz, Ant. 0.....	71
Table 65. Peak Power Output, Test Results, 802.11a 20 MHz, Ant. 1.....	71
Table 66. Peak Power Output, Test Results, 802.11a 20 MHz, Ant. 2.....	71
Table 67. Peak Power Output, Test Results, 802.11ac 20 MHz, Ant. 0.....	71
Table 68. Peak Power Output, Test Results, 802.11ac 20 MHz, Ant. 1.....	71
Table 69. Peak Power Output, Test Results, 802.11ac 20 MHz, Ant. 2.....	72
Table 70. Peak Power Output, Test Results, 802.11ac 20 MHz, MIMO.....	72
Table 71. Peak Power Output, Test Results, 802.11n 20 MHz, Ant. 0.....	72
Table 72. Peak Power Output, Test Results, 802.11n 20 MHz, Ant. 1.....	72
Table 73. Peak Power Output, Test Results, 802.11n 20 MHz, Ant. 2.....	72
Table 74. Peak Power Output, Test Results, 802.11n 20 MHz, MIMO.....	73
Table 75. Peak Power Output, Test Results, 802.11a 40 MHz, Ant. 0.....	73
Table 76. Peak Power Output, Test Results, 802.11a 40 MHz, Ant. 1.....	73
Table 77. Peak Power Output, Test Results, 802.11a 40 MHz, Ant. 2.....	73
Table 78. Peak Power Output, Test Results, 802.11ac 40 MHz, MIMO.....	73
Table 79. Peak Power Output, Test Results, 802.11n 40 MHz, Ant. 0.....	74
Table 80. Peak Power Output, Test Results, 802.11n 40 MHz, Ant. 1.....	74
Table 81. Peak Power Output, Test Results, 802.11n 40 MHz, Ant. 2.....	74
Table 82. Peak Power Output, Test Results, 802.11n 40 MHz, MIMO.....	74
Table 83. Peak Power Output, Test Results, 802.11a 80 MHz, Ant. 0.....	75
Table 84. Peak Power Output, Test Results, 802.11a 80 MHz, Ant. 1.....	75
Table 85. Peak Power Output, Test Results, 802.11a 80 MHz, Ant. 2.....	75
Table 86. Peak Power Output, Test Results, 802.11ac 80 MHz, Ant. 0.....	75
Table 87. Peak Power Output, Test Results, 802.11ac 80 MHz, Ant. 1.....	75
Table 88. Peak Power Output, Test Results, 802.11ac 80 MHz, Ant. 2.....	75
Table 89. Peak Power Output, Test Results, 802.11ac 80 MHz, MIMO.....	75
Table 90. Restricted Bands of Operation.....	102
Table 91. Radiated Emissions Limits Calculated from FCC Part 15, § 15.209 (a)	103
Table 92. Peak Power Spectral Density, Test Results, 802.11a 20 MHz, Ant. 0.....	220
Table 93. Peak Power Spectral Density, Test Results, 802.11a 20 MHz, Ant. 1.....	220
Table 94. Peak Power Spectral Density, Test Results, 802.11a 20 MHz, Ant. 2.....	220
Table 95. Peak Power Spectral Density, Test Results, 802.11ac 20 MHz, Ant. 0.....	220
Table 96. Peak Power Spectral Density, Test Results, 802.11ac 20 MHz, Ant. 1.....	220
Table 97. Peak Power Spectral Density, Test Results, 802.11ac 20 MHz, Ant. 2.....	220
Table 98. Peak Power Spectral Density, Test Results, 802.11ac 20 MHz, MIMO.....	221
Table 99. Peak Power Spectral Density, Test Results, 802.11n 20 MHz, Ant. 0.....	221
Table 100. Peak Power Spectral Density, Test Results, 802.11n 20 MHz, Ant. 1.....	221
Table 101. Peak Power Spectral Density, Test Results, 802.11n 20 MHz, Ant. 2.....	221
Table 102. Peak Power Spectral Density, Test Results, 802.11n 20 MHz, Ant. 2, MIMO.....	221
Table 103. Peak Power Spectral Density, Test Results, 802.11a 40 MHz, Ant. 0.....	222
Table 104. Peak Power Spectral Density, Test Results, 802.11a 40 MHz, Ant. 1.....	222
Table 105. Peak Power Spectral Density, Test Results, 802.11a 40 MHz, Ant. 2.....	222
Table 106. Peak Power Spectral Density, Test Results, 802.11ac 40 MHz, MIMO.....	222
Table 107. Peak Power Spectral Density, Test Results, 802.11n 40 MHz, Ant. 0.....	222

Table 108. Peak Power Spectral Density, Test Results, 802.11n 40 MHz, Ant. 1	222
Table 109. Peak Power Spectral Density, Test Results, 802.11n 40 MHz, Ant. 2	222
Table 110. Peak Power Spectral Density, Test Results, 802.11n 40 MHz, MIMO	223
Table 111. Peak Power Spectral Density, Test Results, 802.11a 80 MHz	223
Table 112. Peak Power Spectral Density, Test Results, 802.11ac 80 MHz	223
Table 113. Peak Power Spectral Density, Test Results, 802.11ac 80 MHz, MIMO	223
Table 114. Test Equipment List	252

List of Plots

Plot 1. Conducted Emissions, Phase Line Plot	10
Plot 2. Conducted Emissions, Neutral Line Plot	11
Plot 3. Radiated Emissions, 30 MHz - 1 GHz	13
Plot 4. Conducted Emissions, 15.207(a), Phase Line, Low Channel	17
Plot 5. Conducted Emissions, 15.207(a), Phase Line, Mid Channel	18
Plot 6. Conducted Emissions, 15.207(a), Phase Line, High Channel	18
Plot 7. Conducted Emissions, 15.207(a), Neutral Line, Low Channel	19
Plot 8. Conducted Emissions, 15.207(a), Neutral Line, Mid Channel	20
Plot 9. Conducted Emissions, 15.207(a), Neutral Line, High Channel	20
Plot 10. 6 dB Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 0	30
Plot 11. 6 dB Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 0	30
Plot 12. 6 dB Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 0	30
Plot 13. 6 dB Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 1	31
Plot 14. 6 dB Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 1	31
Plot 15. 6 dB Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 1	31
Plot 16. 6 dB Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 2	32
Plot 17. 6 dB Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 2	32
Plot 18. 6 dB Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 2	32
Plot 19. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 0	33
Plot 20. 6 dB Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 0	33
Plot 21. 6 dB Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 0	33
Plot 22. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 1	34
Plot 23. 6 dB Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 1	34
Plot 24. 6 dB Occupied Bandwidth, High Channel, 802.11ac MHz, Ant. 1	34
Plot 25. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 2	35
Plot 26. 6 dB Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 2	35
Plot 27. 6 dB Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 2	35
Plot 28. 6 dB Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 0	36
Plot 29. 6 dB Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 0	36
Plot 30. 6 dB Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 0	36
Plot 31. 6 dB Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 1	37
Plot 32. 6 dB Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 1	37
Plot 33. 6 dB Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 1	37
Plot 34. 6 dB Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 2	38
Plot 35. 6 dB Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 2	38
Plot 36. 6 dB Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 2	38
Plot 37. 6 dB Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 0	39
Plot 38. 6 dB Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 0	39
Plot 39. 6 dB Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 1	40
Plot 40. 6 dB Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 1	40
Plot 41. 6 dB Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 2	41
Plot 42. 6 dB Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 2	41
Plot 43. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 0	42
Plot 44. 6 dB Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 0	42

Plot 45. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 1	43
Plot 46. 6 dB Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 1	43
Plot 47. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 2	44
Plot 48. 6 dB Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 2	44
Plot 49. 6 dB Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 0	45
Plot 50. 6 dB Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 0	45
Plot 51. 6 dB Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 1	46
Plot 52. 6 dB Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 1	46
Plot 53. 6 dB Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 2	47
Plot 54. 6 dB Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 2	47
Plot 55. 6 dB Occupied Bandwidth, 802.11a 80 MHz, Ant. 0	48
Plot 56. 6 dB Occupied Bandwidth, 802.11a 80 MHz, Ant. 1	48
Plot 57. 6 dB Occupied Bandwidth, 802.11a 80 MHz, Ant. 2	48
Plot 58. 6 dB Occupied Bandwidth, 802.11ac 80 MHz, Ant. 0	49
Plot 59. 6 dB Occupied Bandwidth, 802.11ac 80 MHz, Ant. 1	49
Plot 60. 6 dB Occupied Bandwidth, 802.11ac 80 MHz, Ant. 2	49
Plot 61. 99% Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 0	50
Plot 62. 99% Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 0	50
Plot 63. 99% Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 0	50
Plot 64. 99% Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 1	51
Plot 65. 99% Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 1	51
Plot 66. 99% Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 1	51
Plot 67. 99% Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 2	52
Plot 68. 99% Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 2	52
Plot 69. 99% Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 2	52
Plot 70. 99% Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 0	53
Plot 71. 99% Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 0	53
Plot 72. 99% Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 0	53
Plot 73. 99% Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 1	54
Plot 74. 99% Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 1	54
Plot 75. 99% Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 1	54
Plot 76. 99% Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 2	55
Plot 77. 99% Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 2	55
Plot 78. 99% Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 2	55
Plot 79. 99% Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 0	56
Plot 80. 99% Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 0	56
Plot 81. 99% Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 0	56
Plot 82. 99% Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 1	57
Plot 83. 99% Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 1	57
Plot 84. 99% Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 1	57
Plot 85. 99% Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 2	58
Plot 86. 99% Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 2	58
Plot 87. 99% Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 2	58
Plot 88. 99% Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 0	59
Plot 89. 99% Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 0	59
Plot 90. 99% Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 1	60
Plot 91. 99% Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 1	60
Plot 92. 99% Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 2	61
Plot 93. 99% Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 2	61
Plot 94. 99% Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 0	62
Plot 95. 99% Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 0	62
Plot 96. 99% Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 1	63
Plot 97. 99% Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 1	63
Plot 98. 99% Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 2	64
Plot 99. 99% Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 2	64

Plot 100. 99% Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 0	65
Plot 101. 99% Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 0	65
Plot 102. 99% Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 1	66
Plot 103. 99% Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 1	66
Plot 104. 99% Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 2	67
Plot 105. 99% Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 2	67
Plot 106. 99% Occupied Bandwidth, 802.11a 80 MHz, Ant. 0	68
Plot 107. 99% Occupied Bandwidth, 802.11a 80 MHz, Ant. 1	68
Plot 108. 99% Occupied Bandwidth, 802.11a 80 MHz, Ant. 2	68
Plot 109. 99% Occupied Bandwidth, 802.11ac 80 MHz, Ant. 0	69
Plot 110. 99% Occupied Bandwidth, 802.11ac 80 MHz, Ant. 1	69
Plot 111. 99% Occupied Bandwidth, 802.11ac 80 MHz, Ant. 2	69
Plot 112. Peak Power Output, Low Channel, 802.11a 20 MHz, Ant. 0	76
Plot 113. Peak Power Output, Mid Channel, 802.11a 20 MHz, Ant. 0	76
Plot 114. Peak Power Output, High Channel, 802.11a 20 MHz, Ant. 0	76
Plot 115. Peak Power Output, Low Channel, 802.11a 20 MHz, Ant. 1	77
Plot 116. Peak Power Output, Mid Channel, 802.11a 20 MHz, Ant. 1	77
Plot 117. Peak Power Output, High Channel, 802.11a 20 MHz, Ant. 1	77
Plot 118. Peak Power Output, Low Channel, 802.11a 20 MHz, Ant. 2	78
Plot 119. Peak Power Output, Mid Channel, 802.11a 20 MHz, Ant. 2	78
Plot 120. Peak Power Output, High Channel, 802.11a 20 MHz, Ant. 2	78
Plot 121. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 0	79
Plot 122. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 0	79
Plot 123. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 0	79
Plot 124. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 1	80
Plot 125. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 1	80
Plot 126. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 1	80
Plot 127. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 2	81
Plot 128. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 2	81
Plot 129. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 2	81
Plot 130. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 0, MIMO	82
Plot 131. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 0, MIMO	82
Plot 132. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 0, MIMO	82
Plot 133. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 1, MIMO	83
Plot 134. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 1, MIMO	83
Plot 135. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 1, MIMO	83
Plot 136. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 2, MIMO	84
Plot 137. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 2, MIMO	84
Plot 138. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 2, MIMO	84
Plot 139. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 0	85
Plot 140. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 0	85
Plot 141. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 0	85
Plot 142. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 1	86
Plot 143. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 1	86
Plot 144. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 1	86
Plot 145. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 2	87
Plot 146. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 2	87
Plot 147. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 2	87
Plot 148. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 0, MIMO	88
Plot 149. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 0, MIMO	88
Plot 150. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 0, MIMO	88
Plot 151. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 1, MIMO	89
Plot 152. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 1, MIMO	89
Plot 153. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 1, MIMO	89
Plot 154. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 2, MIMO	90

Plot 155. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 2, MIMO.....	90
Plot 156. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 2, MIMO	90
Plot 157. Peak Power Output, Low Channel, 802.11a 40 MHz, Ant. 0	91
Plot 158. Peak Power Output, High Channel, 802.11a 40 MHz, Ant. 0.....	91
Plot 159. Peak Power Output, Low Channel, 802.11a 40 MHz, Ant. 1	91
Plot 160. Peak Power Output, High Channel, 802.11a 40 MHz, Ant. 1.....	92
Plot 161. Peak Power Output, Low Channel, 802.11a 40 MHz, Ant. 2	92
Plot 162. Peak Power Output, High Channel, 802.11a 40 MHz, Ant. 2.....	92
Plot 163. Peak Power Output, Low Channel, 802.11ac 40 MHz, Ant. 0, MIMO	93
Plot 164. Peak Power Output, High Channel, 802.11ac 40 MHz, Ant. 0, MIMO.....	93
Plot 165. Peak Power Output, Low Channel, 802.11ac 40 MHz, Ant. 1, MIMO	93
Plot 166. Peak Power Output, High Channel, 802.11ac 40 MHz, Ant. 1, MIMO.....	94
Plot 167. Peak Power Output, Low Channel, 802.11ac 40 MHz, Ant. 2, MIMO	94
Plot 168. Peak Power Output, High Channel, 802.11ac 40 MHz, Ant. 2, MIMO.....	94
Plot 169. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 0	95
Plot 170. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 0	95
Plot 171. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 1	95
Plot 172. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 1	96
Plot 173. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 2	96
Plot 174. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 2	96
Plot 175. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 0, MIMO	97
Plot 176. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 0, MIMO	97
Plot 177. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 1, MIMO	97
Plot 178. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 1, MIMO	98
Plot 179. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 2, MIMO	98
Plot 180. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 2, MIMO	98
Plot 181. Peak Power Output, Low Channel, 802.11a 80 MHz, Ant. 0	99
Plot 182. Peak Power Output, Mid Channel, 802.11a 80 MHz, Ant. 1	99
Plot 183. Peak Power Output, High Channel, 802.11a 80 MHz, Ant. 2.....	99
Plot 184. Peak Power Output, Low Channel, 802.11ac 80 MHz, Ant. 0.....	100
Plot 185. Peak Power Output, Mid Channel, 802.11ac 80 MHz, Ant. 1	100
Plot 186. Peak Power Output, High Channel, 802.11ac 80 MHz, Ant. 2	100
Plot 187. Peak Power Output, Low Channel, 802.11ac 80 MHz, Ant. 0, MIMO	101
Plot 188. Peak Power Output, Mid Channel, 802.11ac 80 MHz, Ant. 1, MIMO	101
Plot 189. Peak Power Output, High Channel, 802.11ac 80 MHz, Ant. 2, MIMO.....	101
Plot 190. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 30 MHz – 1 GHz	104
Plot 191. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average	104
Plot 192. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak	104
Plot 193. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 7 GHz – 18 GHz.....	105
Plot 194. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 30 MHz – 1 GHz.....	105
Plot 195. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average	105
Plot 196. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	106
Plot 197. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 7 GHz – 18 GHz	106
Plot 198. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 30 MHz – 1 GHz	106
Plot 199. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	107
Plot 200. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak	107
Plot 201. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 7 GHz – 18 GHz	107
Plot 202. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 30 MHz – 1 GHz	108
Plot 203. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average	108
Plot 204. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak	108
Plot 205. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 7 GHz – 18 GHz.....	109
Plot 206. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 30 MHz – 1 GHz.....	109
Plot 207. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average	109
Plot 208. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	110
Plot 209. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 7 GHz – 18 GHz	110

Plot 210. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 30 MHz – 1 GHz	110
Plot 211. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	111
Plot 212. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak	111
Plot 213. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 7 GHz – 18 GHz	111
Plot 214. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 30 MHz – 1 GHz	112
Plot 215. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average	112
Plot 216. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	112
Plot 217. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 7 GHz – 18 GHz.....	113
Plot 218. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 30 MHz – 1 GHz.....	113
Plot 219. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average	113
Plot 220. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	114
Plot 221. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 7 GHz – 18 GHz	114
Plot 222. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 30 MHz – 1 GHz	114
Plot 223. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	115
Plot 224. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak	115
Plot 225. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 7 GHz – 18 GHz	115
Plot 226. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 30 MHz – 1 GHz	116
Plot 227. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	116
Plot 228. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak	116
Plot 229. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 7 GHz – 18 GHz.....	117
Plot 230. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 30 MHz – 1 GHz.....	117
Plot 231. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average	117
Plot 232. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak	118
Plot 233. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 7 GHz – 18 GHz.....	118
Plot 234. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 30 MHz – 1 GHz.....	118
Plot 235. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average	119
Plot 236. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	119
Plot 237. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 7 GHz – 18 GHz	119
Plot 238. Radiated Spurious Emissions, Low Channel 802.11ac 20 MHz, Ant. 1, 30 MHz – 1 GHz	120
Plot 239. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	120
Plot 240. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak	120
Plot 241. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1, 7 GHz – 18 GHz.....	121
Plot 242. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1, 30 MHz – 1 GHz.....	121
Plot 243. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average	121
Plot 244. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak	122
Plot 245. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1, 7 GHz – 18 GHz.....	122
Plot 246. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 1, 30 MHz – 1 GHz.....	122
Plot 247. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average	123
Plot 248. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	123
Plot 249. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 1, 7 GHz – 18 GHz	123
Plot 250. Radiated Spurious Emissions, Low Channel 802.11ac 20 MHz, Ant. 2, 30 MHz – 1 GHz	124
Plot 251. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	124
Plot 252. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak	124
Plot 253. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 2, 7 GHz – 18 GHz.....	125
Plot 254. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 2, 30 MHz – 1 GHz.....	125
Plot 255. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average	125
Plot 256. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak	126
Plot 257. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 2, 7 GHz – 18 GHz.....	126
Plot 258. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 2, 30 MHz – 1 GHz.....	126
Plot 259. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average	127
Plot 260. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	127
Plot 261. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 2, 7 GHz – 18 GHz	127
Plot 262. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, 30 MHz – 1 GHz, MIMO.....	128
Plot 263. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, 1 GHz – 7 GHz, Average, MIMO	128
Plot 264. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, 1 GHz – 7 GHz, Peak, MIMO	128

Plot 265. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, 7 GHz – 18 GHz, MIMO.....	129
Plot 266. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, 30 MHz – 1 GHz, MIMO.....	129
Plot 267. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, 1 GHz – 7 GHz, Average, MIMO.....	129
Plot 268. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	130
Plot 269. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, 7 GHz – 18 GHz, MIMO.....	130
Plot 270. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, 30 MHz – 1 GHz, MIMO.....	130
Plot 271. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, 1 GHz – 7 GHz, Average, MIMO.....	131
Plot 272. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	131
Plot 273. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, 7 GHz – 18 GHz, MIMO.....	131
Plot 274. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 0, 30 MHz – 1 GHz.....	132
Plot 275. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	132
Plot 276. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	132
Plot 277. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 0, 7 GHz – 18 GHz.....	133
Plot 278. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 0, 30 MHz – 1 GHz.....	133
Plot 279. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	133
Plot 280. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	134
Plot 281. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 0, 7 GHz – 18 GHz.....	134
Plot 282. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 0, 30 MHz – 1 GHz.....	134
Plot 283. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	135
Plot 284. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	135
Plot 285. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 0, 7 GHz – 18 GHz.....	135
Plot 286. Radiated Spurious Emissions, Low Channel 802.11n 20 MHz, Ant. 1, 30 MHz – 1 GHz.....	136
Plot 287. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	136
Plot 288. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	136
Plot 289. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 1, 7 GHz – 18 GHz.....	137
Plot 290. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 1, 30 MHz – 1 GHz.....	137
Plot 291. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	137
Plot 292. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	138
Plot 293. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 1, 7 GHz – 18 GHz.....	138
Plot 294. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 1, 30 MHz – 1 GHz.....	138
Plot 295. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	139
Plot 296. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	139
Plot 297. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 1, 7 GHz – 18 GHz.....	139
Plot 298. Radiated Spurious Emissions, Low Channel 802.11n 20 MHz, Ant. 2, 30 MHz – 1 GHz.....	140
Plot 299. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	140
Plot 300. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	140
Plot 301. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 2, 7 GHz – 18 GHz.....	141
Plot 302. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 2, 30 MHz – 1 GHz.....	141
Plot 303. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	141
Plot 304. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	142
Plot 305. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 2, 7 GHz – 18 GHz.....	142
Plot 306. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 2, 30 MHz – 1 GHz.....	142
Plot 307. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	143
Plot 308. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	143
Plot 309. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 2, 7 GHz – 18 GHz.....	143
Plot 310. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, 30 MHz – 1 GHz, MIMO.....	144
Plot 311. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, 1 GHz – 7 GHz, Average, MIMO.....	144
Plot 312. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	144
Plot 313. Radiated Spurious Emissions, Low Channel, 802.11n 20 MHz, 7 GHz – 18 GHz, MIMO.....	145
Plot 314. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, 30 MHz – 1 GHz, MIMO.....	145
Plot 315. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, 1 GHz – 7 GHz, Average, MIMO.....	145
Plot 316. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	146
Plot 317. Radiated Spurious Emissions, Mid Channel, 802.11n 20 MHz, 7 GHz – 18 GHz, MIMO.....	146
Plot 318. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, 30 MHz – 1 GHz, MIMO.....	146
Plot 319. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, 1 GHz – 7 GHz, Average, MIMO.....	147

Plot 320. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	147
Plot 321. Radiated Spurious Emissions, High Channel, 802.11n 20 MHz, 7 GHz – 18 GHz, MIMO.....	147
Plot 322. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 0, 30 MHz – 1 GHz.....	148
Plot 323. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	148
Plot 324. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	148
Plot 325. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 0, 7 GHz – 18 GHz.....	149
Plot 326. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 0, 30 MHz – 1 GHz.....	149
Plot 327. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	149
Plot 328. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	150
Plot 329. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 0, 7 GHz – 18 GHz.....	150
Plot 330. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 1, 30 MHz – 1 GHz.....	150
Plot 331. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	151
Plot 332. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	151
Plot 333. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 1, 7 GHz – 18 GHz.....	151
Plot 334. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 1, 30 MHz – 1 GHz.....	152
Plot 335. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	152
Plot 336. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	152
Plot 337. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 1, 7 GHz – 18 GHz.....	153
Plot 338. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 2, 30 MHz – 1 GHz.....	153
Plot 339. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	153
Plot 340. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	154
Plot 341. Radiated Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 2, 7 GHz – 18 GHz.....	154
Plot 342. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 2, 30 MHz – 1 GHz.....	154
Plot 343. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	155
Plot 344. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	155
Plot 345. Radiated Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 2, 7 GHz – 18 GHz.....	155
Plot 346. Radiated Spurious Emissions, Low Channel, 802.11ac 40 MHz, 30 MHz – 1 GHz, MIMO.....	156
Plot 347. Radiated Spurious Emissions, Low Channel, 802.11ac 40 MHz, 1 GHz – 7 GHz, Average, MIMO.....	156
Plot 348. Radiated Spurious Emissions, Low Channel, 802.11ac 40 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	156
Plot 349. Radiated Spurious Emissions, Low Channel, 802.11ac 40 MHz, 7 GHz – 18 GHz, MIMO.....	157
Plot 350. Radiated Spurious Emissions, High Channel, 802.11ac 40 MHz, 30 MHz – 1 GHz, MIMO.....	157
Plot 351. Radiated Spurious Emissions, High Channel, 802.11ac 40 MHz, 1 GHz – 7 GHz, Average, MIMO.....	157
Plot 352. Radiated Spurious Emissions, High Channel, 802.11ac 40 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	158
Plot 353. Radiated Spurious Emissions, High Channel, 802.11ac 40 MHz, 7 GHz – 18 GHz, MIMO.....	158
Plot 354. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 0, 30 MHz – 1 GHz.....	159
Plot 355. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	159
Plot 356. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	159
Plot 357. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 0, 7 GHz – 18 GHz.....	160
Plot 358. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 0, 30 MHz – 1 GHz.....	160
Plot 359. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	160
Plot 360. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	161
Plot 361. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 0, 7 GHz – 18 GHz.....	161
Plot 362. Radiated Spurious Emissions, Low Channel 802.11n 40 MHz, Ant. 1, 30 MHz – 1 GHz.....	161
Plot 363. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	162
Plot 364. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	162
Plot 365. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 1, 7 GHz – 18 GHz.....	162
Plot 366. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 1, 30 MHz – 1 GHz.....	163
Plot 367. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	163
Plot 368. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	163
Plot 369. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 1, 7 GHz – 18 GHz.....	164
Plot 370. Radiated Spurious Emissions, Low Channel 802.11n 40 MHz, Ant. 2, 30 MHz – 1 GHz.....	164
Plot 371. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	164
Plot 372. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	165
Plot 373. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 2, 7 GHz – 18 GHz.....	165
Plot 374. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 2, 30 MHz – 1 GHz.....	165

Plot 375. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 2, 1 GHz – 7 GHz, Average	166
Plot 376. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 2, 1 GHz – 7 GHz, Peak	166
Plot 377. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 2, 7 GHz – 18 GHz	166
Plot 378. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, 30 MHz – 1 GHz, MIMO.....	167
Plot 379. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, 1 GHz – 7 GHz, Average, MIMO.....	167
Plot 380. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	167
Plot 381. Radiated Spurious Emissions, Low Channel, 802.11n 40 MHz, 7 GHz – 18 GHz, MIMO	168
Plot 382. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, 30 MHz – 1 GHz, MIMO	168
Plot 383. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, 1 GHz – 7 GHz, Average, MIMO	168
Plot 384. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, 1 GHz – 7 GHz, Peak, MIMO.....	169
Plot 385. Radiated Spurious Emissions, High Channel, 802.11n 40 MHz, 7 GHz – 18 GHz, MIMO.....	169
Plot 386. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 0, 30 MHz – 1 GHz.....	170
Plot 387. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	170
Plot 388. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	170
Plot 389. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 1, 30 MHz – 1 GHz.....	171
Plot 390. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	171
Plot 391. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	171
Plot 392. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 2, 30 MHz – 1 GHz.....	172
Plot 393. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	172
Plot 394. Radiated Spurious Emissions, 802.11a 80 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	172
Plot 395. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 0, 30 MHz – 1 GHz.....	173
Plot 396. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 0, 1 GHz – 7 GHz, Average.....	173
Plot 397. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 0, 1 GHz – 7 GHz, Peak.....	173
Plot 398. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 1, 30 MHz – 1 GHz.....	174
Plot 399. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 1, 1 GHz – 7 GHz, Average.....	174
Plot 400. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 1, 1 GHz – 7 GHz, Peak.....	174
Plot 401. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 2, 30 MHz – 1 GHz.....	175
Plot 402. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 2, 1 GHz – 7 GHz, Average.....	175
Plot 403. Radiated Spurious Emissions, 802.11ac 80 MHz, Ant. 2, 1 GHz – 7 GHz, Peak.....	175
Plot 404. Radiated Spurious Emissions, 802.11ac 80 MHz, 30 MHz – 1 GHz, MIMO.....	176
Plot 405. Radiated Spurious Emissions, 802.11ac 80 MHz, 1 GHz – 7 GHz, Average, MIMO.....	176
Plot 406. Radiated Spurious Emissions, 802.11ac 80 MHz, 1 GHz – 7 GHz, Peak, MIMO	176
Plot 407. Conducted Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0.....	178
Plot 408. Conducted Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0	178
Plot 409. Conducted Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0	178
Plot 410. Conducted Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1	179
Plot 411. Conducted Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1	179
Plot 412. Conducted Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1	179
Plot 413. Conducted Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2.....	180
Plot 414. Conducted Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2	180
Plot 415. Conducted Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2	180
Plot 416. Conducted Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0.....	181
Plot 417. Conducted Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0.....	181
Plot 418. Conducted Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0	181
Plot 419. Conducted Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1	182
Plot 420. Conducted Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1	182
Plot 421. Conducted Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 1	182
Plot 422. Conducted Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 2.....	183
Plot 423. Conducted Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 2.....	183
Plot 424. Conducted Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 2	183
Plot 425. Conducted Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 0	184
Plot 426. Conducted Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 0	184
Plot 427. Conducted Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 0.....	184
Plot 428. Conducted Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 1	185
Plot 429. Conducted Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 1	185

Plot 430. Conducted Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 1	185
Plot 431. Conducted Spurious Emissions, Low Channel, 802.11n 20 MHz, Ant. 2	186
Plot 432. Conducted Spurious Emissions, Mid Channel, 802.11n 20 MHz, Ant. 2	186
Plot 433. Conducted Spurious Emissions, High Channel, 802.11n 20 MHz, Ant. 2	186
Plot 434. Conducted Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 0	187
Plot 435. Conducted Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 0	187
Plot 436. Conducted Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 1	187
Plot 437. Conducted Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 1	188
Plot 438. Conducted Spurious Emissions, Low Channel, 802.11a 40 MHz, Ant. 2	188
Plot 439. Conducted Spurious Emissions, High Channel, 802.11a 40 MHz, Ant. 2	188
Plot 440. Conducted Spurious Emissions, Low Channel, 802.11ac 40 MHz, Ant. 0	189
Plot 441. Conducted Spurious Emissions, High Channel, 802.11ac 40 MHz, Ant. 0	189
Plot 442. Conducted Spurious Emissions, Low Channel, 802.11ac 40 MHz, Ant. 1	189
Plot 443. Conducted Spurious Emissions, High Channel, 802.11ac 40 MHz, Ant. 1	190
Plot 444. Conducted Spurious Emissions, Low Channel, 802.11ac 40 MHz, Ant. 2	190
Plot 445. Conducted Spurious Emissions, High Channel, 802.11ac 40 MHz, Ant. 2	190
Plot 446. Conducted Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 0	191
Plot 447. Conducted Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 0	191
Plot 448. Conducted Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 1	191
Plot 449. Conducted Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 1	192
Plot 450. Conducted Spurious Emissions, Low Channel, 802.11n 40 MHz, Ant. 2	192
Plot 451. Conducted Spurious Emissions, High Channel, 802.11n 40 MHz, Ant. 2	192
Plot 452. Conducted Spurious Emissions, 802.11a 80 MHz, Ant. 0	193
Plot 453. Conducted Spurious Emissions, 802.11a 80 MHz, Ant. 1	193
Plot 454. Conducted Spurious Emissions, 802.11a 80 MHz, Ant. 2	193
Plot 455. Conducted Spurious Emissions, 802.11ac 80 MHz, Ant. 0	194
Plot 456. Conducted Spurious Emissions, 802.11ac 80 MHz, Ant. 1	194
Plot 457. Conducted Spurious Emissions, 802.11ac 80 MHz, Ant. 2	194
Plot 458. Conducted Band Edge, Low Channel, 802.11a, Ant. 0	195
Plot 459. Conducted Band Edge, High Channel, 802.11a, Ant. 0	195
Plot 460. Conducted Band Edge, Low Channel, 802.11a, Ant. 1	196
Plot 461. Conducted Band Edge, High Channel, 802.11a, Ant. 1	196
Plot 462. Conducted Band Edge, Low Channel, 802.11a, Ant. 2	197
Plot 463. Conducted Band Edge, High Channel, 802.11a, Ant. 2	197
Plot 464. Conducted Band Edge, Low Channel, 802.11ac 20 MHz, Ant. 0	198
Plot 465. Conducted Band Edge, High Channel, 802.11ac 20 MHz, Ant. 0	198
Plot 466. Conducted Band Edge, Low Channel, 802.11ac 20 MHz, Ant. 1	199
Plot 467. Conducted Band Edge, High Channel, 802.11ac 20 MHz, Ant. 1	199
Plot 468. Conducted Band Edge, Low Channel, 802.11ac 20 MHz, Ant. 2	200
Plot 469. Conducted Band Edge, High Channel, 802.11ac 20 MHz, Ant. 2	200
Plot 470. Conducted Band Edge, Low Channel, 802.11n 20 MHz, Ant. 0	201
Plot 471. Conducted Band Edge, High Channel, 802.11n 20 MHz, Ant. 0	201
Plot 472. Conducted Band Edge, Low Channel, 802.11n 20 MHz, Ant. 1	202
Plot 473. Conducted Band Edge, High Channel, 802.11n 20 MHz, Ant. 1	202
Plot 474. Conducted Band Edge, Low Channel, 802.11n 20 MHz, Ant. 2	203
Plot 475. Conducted Band Edge, High Channel, 802.11n 20 MHz, Ant. 2	203
Plot 476. Conducted Band Edge, Low Channel, 802.11a 40 MHz, Ant. 0	204
Plot 477. Conducted Band Edge, High Channel, 802.11a 40 MHz, Ant. 0	204
Plot 478. Conducted Band Edge, Low Channel, 802.11a 40 MHz, Ant. 1	205
Plot 479. Conducted Band Edge, High Channel, 802.11a 40 MHz, Ant. 1	205
Plot 480. Conducted Band Edge, Low Channel, 802.11a 40 MHz, Ant. 2	206
Plot 481. Conducted Band Edge, High Channel, 802.11a 40 MHz, Ant. 2	206
Plot 482. Conducted Band Edge, Low Channel, 802.11ac 40 MHz, Ant. 0	207
Plot 483. Conducted Band Edge, High Channel, 802.11ac 40 MHz, Ant. 0	207
Plot 484. Conducted Band Edge, Low Channel, 802.11ac 40 MHz, Ant. 1	208

Plot 485. Conducted Band Edge, High Channel, 802.11ac 40 MHz, Ant. 1	208
Plot 486. Conducted Band Edge, Low Channel, 802.11ac 40 MHz, Ant. 2	209
Plot 487. Conducted Band Edge, High Channel, 802.11ac 40 MHz, Ant. 2	209
Plot 488. Conducted Band Edge, Low Channel, 802.11n 40 MHz, Ant. 0	210
Plot 489. Conducted Band Edge, High Channel, 802.11n 40 MHz, Ant. 0	210
Plot 490. Conducted Band Edge, Low Channel, 802.11n 40 MHz, Ant. 1	211
Plot 491. Conducted Band Edge, High Channel, 802.11n 40 MHz, Ant. 1	211
Plot 492. Conducted Band Edge, Low Channel, 802.11n 40 MHz, Ant. 2	212
Plot 493. Conducted Band Edge, High Channel, 802.11n 40 MHz, Ant. 2	212
Plot 494. Conducted Band Edge, Low Channel, 802.11a 80 MHz, Ant. 0	213
Plot 495. Conducted Band Edge, High Channel, 802.11a 80 MHz, Ant. 0	213
Plot 496. Conducted Band Edge, High Channel, 802.11a 80 MHz, Ant. 1	214
Plot 497. Conducted Band Edge, High Channel, 802.11a 80 MHz, Ant. 1	214
Plot 498. Conducted Band Edge, Low Channel, 802.11a 80 MHz, Ant. 2	215
Plot 499. Conducted Band Edge, High Channel, 802.11a 80 MHz, Ant. 2	215
Plot 500. Conducted Band Edge, Low Channel, 802.11ac 80 MHz, Ant. 0	216
Plot 501. Conducted Band Edge, High Channel, 802.11ac 80 MHz, Ant. 0	216
Plot 502. Conducted Band Edge, Low Channel, 802.11ac 80 MHz, Ant. 1	217
Plot 503. Conducted Band Edge, High Channel, 802.11ac 80 MHz, Ant. 1	217
Plot 504. Conducted Band Edge, Low Channel, 802.11ac 80 MHz, Ant. 2	218
Plot 505. Conducted Band Edge, High Channel, 802.11ac 80 MHz, Ant. 2	218
Plot 506. Peak Power Spectral Density, Low Channel, 802.11a, Ant. 0	224
Plot 507. Peak Power Spectral Density, Mid Channel, 802.11a, Ant. 0	224
Plot 508. Peak Power Spectral Density, High Channel, 802.11a, Ant. 0	224
Plot 509. Peak Power Spectral Density, Low Channel, 802.11a, Ant. 1	225
Plot 510. Peak Power Spectral Density, Mid Channel, 802.11a, Ant. 1	225
Plot 511. Peak Power Spectral Density, High Channel, 802.11a, Ant. 1	225
Plot 512. Peak Power Spectral Density, Low Channel, 802.11a, Ant. 2	226
Plot 513. Peak Power Spectral Density, Mid Channel, 802.11a, Ant. 2	226
Plot 514. Peak Power Spectral Density, High Channel, 802.11a, Ant. 2	226
Plot 515. Peak Power Spectral Density, Low Channel, 802.11ac 20 MHz, Ant. 0	227
Plot 516. Peak Power Spectral Density, Mid Channel, 802.11ac 20 MHz, Ant. 0	227
Plot 517. Peak Power Spectral Density, High Channel, 802.11ac 20 MHz, Ant. 0	227
Plot 518. Peak Power Spectral Density, Low Channel, 802.11ac 20 MHz, Ant. 1	228
Plot 519. Peak Power Spectral Density, Mid Channel, 802.11ac 20 MHz, Ant. 1	228
Plot 520. Peak Power Spectral Density, High Channel, 802.11ac 20 MHz, Ant. 1	228
Plot 521. Peak Power Spectral Density, Low Channel, 802.11ac 20 MHz, Ant. 2	229
Plot 522. Peak Power Spectral Density, Mid Channel, 802.11ac 20 MHz, Ant. 2	229
Plot 523. Peak Power Spectral Density, High Channel, 802.11ac 20 MHz, Ant. 2	229
Plot 524. Peak Power Spectral Density, Low Channel, 802.11ac 20 MHz, Ant. 0, MIMO	230
Plot 525. Peak Power Spectral Density, Mid Channel, 802.11ac 20 MHz, Ant. 0, MIMO	230
Plot 526. Peak Power Spectral Density, High Channel, 802.11ac 20 MHz, Ant. 0, MIMO	230
Plot 527. Peak Power Spectral Density, Low Channel, 802.11ac 20 MHz, Ant. 1, MIMO	231
Plot 528. Peak Power Spectral Density, Mid Channel, 802.11ac 20 MHz, Ant. 1, MIMO	231
Plot 529. Peak Power Spectral Density, High Channel, 802.11ac 20 MHz, Ant. 1, MIMO	231
Plot 530. Peak Power Spectral Density, Low Channel, 802.11ac 20 MHz, Ant. 2, MIMO	232
Plot 531. Peak Power Spectral Density, Mid Channel, 802.11ac 20 MHz, Ant. 2, MIMO	232
Plot 532. Peak Power Spectral Density, High Channel, 802.11ac 20 MHz, Ant. 2, MIMO	232
Plot 533. Peak Power Spectral Density, Low Channel, 802.11n 20 MHz, Ant. 0	233
Plot 534. Peak Power Spectral Density, Mid Channel, 802.11n 20 MHz, Ant. 0	233
Plot 535. Peak Power Spectral Density, High Channel, 802.11n 20 MHz, Ant. 0	233
Plot 536. Peak Power Spectral Density, Low Channel, 802.11n 20 MHz, Ant. 1	234
Plot 537. Peak Power Spectral Density, Mid Channel, 802.11n 20 MHz, Ant. 1	234
Plot 538. Peak Power Spectral Density, High Channel, 802.11n 20 MHz, Ant. 1	234
Plot 539. Peak Power Spectral Density, Low Channel, 802.11n 20 MHz, Ant. 2	235

Plot 540. Peak Power Spectral Density, Mid Channel, 802.11n 20 MHz, Ant. 2	235
Plot 541. Peak Power Spectral Density, High Channel, 802.11n 20 MHz, Ant. 2	235
Plot 542. Peak Power Spectral Density, Low Channel, 802.11n 20 MHz, Ant. 0, MIMO	236
Plot 543. Peak Power Spectral Density, Mid Channel, 802.11n 20 MHz, Ant. 0, MIMO	236
Plot 544. Peak Power Spectral Density, High Channel, 802.11n 20 MHz, Ant. 0, MIMO	236
Plot 545. Peak Power Spectral Density, Low Channel, 802.11n 20 MHz, Ant. 1, MIMO	237
Plot 546. Peak Power Spectral Density, Mid Channel, 802.11n 20 MHz, Ant. 1, MIMO	237
Plot 547. Peak Power Spectral Density, High Channel, 802.11n 20 MHz, Ant. 1, MIMO	237
Plot 548. Peak Power Spectral Density, Low Channel, 802.11n 20 MHz, Ant. 2, MIMO	238
Plot 549. Peak Power Spectral Density, Mid Channel, 802.11n 20 MHz, Ant. 2, MIMO	238
Plot 550. Peak Power Spectral Density, High Channel, 802.11n 20 MHz, Ant. 2, MIMO	238
Plot 551. Peak Power Spectral Density, Low Channel, 802.11a 40 MHz, Ant. 0	239
Plot 552. Peak Power Spectral Density, High Channel, 802.11a 40 MHz, Ant. 0	239
Plot 553. Peak Power Spectral Density, Low Channel, 802.11a 40 MHz, Ant. 1	239
Plot 554. Peak Power Spectral Density, High Channel, 802.11a 40 MHz, Ant. 1	240
Plot 555. Peak Power Spectral Density, Low Channel, 802.11a 40 MHz, Ant. 2	240
Plot 556. Peak Power Spectral Density, High Channel, 802.11a 40 MHz, Ant. 2	240
Plot 557. Peak Power Spectral Density, Low Channel, 802.11ac 40 MHz, Ant. 0, MIMO	241
Plot 558. Peak Power Spectral Density, High Channel, 802.11ac 40 MHz, Ant. 0, MIMO	241
Plot 559. Peak Power Spectral Density, Low Channel, 802.11ac 40 MHz, Ant. 1, MIMO	241
Plot 560. Peak Power Spectral Density, High Channel, 802.11ac 40 MHz, Ant. 1, MIMO	242
Plot 561. Peak Power Spectral Density, Low Channel, 802.11ac 40 MHz, Ant. 2, MIMO	242
Plot 562. Peak Power Spectral Density, High Channel, 802.11ac 40 MHz, Ant. 2, MIMO	242
Plot 563. Peak Power Spectral Density, Low Channel, 802.11n 40 MHz, Ant. 0	243
Plot 564. Peak Power Spectral Density, High Channel, 802.11n 40 MHz, Ant. 0	243
Plot 565. Peak Power Spectral Density, Low Channel, 802.11n 40 MHz, Ant. 1	243
Plot 566. Peak Power Spectral Density, High Channel, 802.11n 40 MHz, Ant. 1	244
Plot 567. Peak Power Spectral Density, Low Channel, 802.11n 40 MHz, Ant. 2	244
Plot 568. Peak Power Spectral Density, High Channel, 802.11n 40 MHz, Ant. 2	244
Plot 569. Peak Power Spectral Density, Low Channel, 802.11n 40 MHz, Ant. 0, MIMO	245
Plot 570. Peak Power Spectral Density, High Channel, 802.11n 40 MHz, Ant. 0, MIMO	245
Plot 571. Peak Power Spectral Density, Low Channel, 802.11n 40 MHz, Ant. 1, MIMO	245
Plot 572. Peak Power Spectral Density, High Channel, 802.11n 40 MHz, Ant. 1, MIMO	246
Plot 573. Peak Power Spectral Density, Low Channel, 802.11n 40 MHz, Ant. 2, MIMO	246
Plot 574. Peak Power Spectral Density, High Channel, 802.11n 40 MHz, Ant. 2, MIMO	246
Plot 575. Peak Power Spectral Density, 802.11a 80 MHz, Ant. 0	247
Plot 576. Peak Power Spectral Density, 802.11a 80 MHz, Ant. 1	247
Plot 577. Peak Power Spectral Density, 802.11a 80 MHz, Ant. 2	247
Plot 578. Peak Power Spectral Density, 802.11ac 80 MHz, Ant. 0	248
Plot 579. Peak Power Spectral Density, 802.11ac 80 MHz, Ant. 1	248
Plot 580. Peak Power Spectral Density, 802.11ac 80 MHz, Ant. 2	248
Plot 581. Peak Power Spectral Density, 802.11ac 80 MHz, Ant. 0, MIMO	249
Plot 582. Peak Power Spectral Density, 802.11ac 80 MHz, Ant. 1, MIMO	249
Plot 583. Peak Power Spectral Density, 802.11ac 80 MHz, Ant. 2, MIMO	249

List of Figures

Figure 1. Block Diagram, Occupied Bandwidth Test Setup	21
Figure 2. Peak Power Output Test Setup	70
Figure 3. Block Diagram, Conducted Spurious Emissions Test Setup	177
Figure 4. Block Diagram, Peak Power Spectral Density Test Setup	219

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 ARRIS Group, Inc. SGB6700 AC, 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 SGB6700 AC. ARRIS Group, Inc. should retain a copy of this document which should be kept on file for at least two years after the manufacturing of the SGB6700 AC, 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 ARRIS Group, Inc., purchase order number 0008075143. 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

Table 1. Executive Summary of EMC Part 15.247 Compliance Testing

II. Equipment Configuration

A. Overview

MET Laboratories, Inc. was contracted by ARRIS Group, Inc. to perform testing on the SGB6700 AC, under ARRIS Group, Inc.'s purchase order number 0008075143.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of the ARRIS Group, Inc., SGB6700 AC.

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

Model(s) Tested:	SGB6700 AC	
Model(s) Covered:	SGB6700 AC	
EUT Specifications:	Primary Power: 120 VAC, 60 Hz	
	FCC ID: UIDSBG6700 IC: 6670A-SbG6700	
	Type of Modulations:	CCK, OFDM, MCS
	Equipment Code:	DTS
	Peak RF Output Power:	27.89 dBm
	EUT Frequency Ranges:	5745 – 5825 MHz
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:	Surinder Singh	
Report Date(s):	March 27, 2014	

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., 914 W. Patapsco Ave., Baltimore, MD 21230. 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 3 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 ARRIS Group, Inc. SGB6700 AC, Equipment Under Test (EUT), is an indoor 2.4/5GHz indoor data gateway.

E. Equipment Configuration

Ref. ID	Name / Description	Model Number	Part Number	Serial Number	Revision
--	SBG6700-ac	SBG6700-ac	--	--	--

Table 4. Equipment Configuration

F. Support Equipment

Ref. ID	Name / Description	Manufacturer	Model Number
--	Laptop	Dell	Vostro
--	Laptop Mouse	Logitech	--
--	RF Cable	--	--
--	Ethernet	--	--
--	12 Vdc PS	--	--

Table 5. Support Equipment

G. Ports and Cabling Information

Ref. ID	Port Name on EUT	Cable Description	Qty.	Length (m)	Shielded (Y/N)	Termination Point
1	Data	RG6 Coax	1	8	Yes	B. TX
2	12 Vdc	DC Connector	1	2	No	(230v/50hz)
	Ethernet	Ethernet	1	2	No	--

Table 6. Ports and Cabling Information

H. Mode of Operation

The provided test tool will configure the SBG6700 for operation at each required test mode. Test modes have been previously supplied for quote.

I. Method of Monitoring EUT Operation

The measured emission value is over the specified FCC/IC limits.

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 ARRIS Group, 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 7. 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 7. 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 7. 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 semi-anechoic chamber. 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.

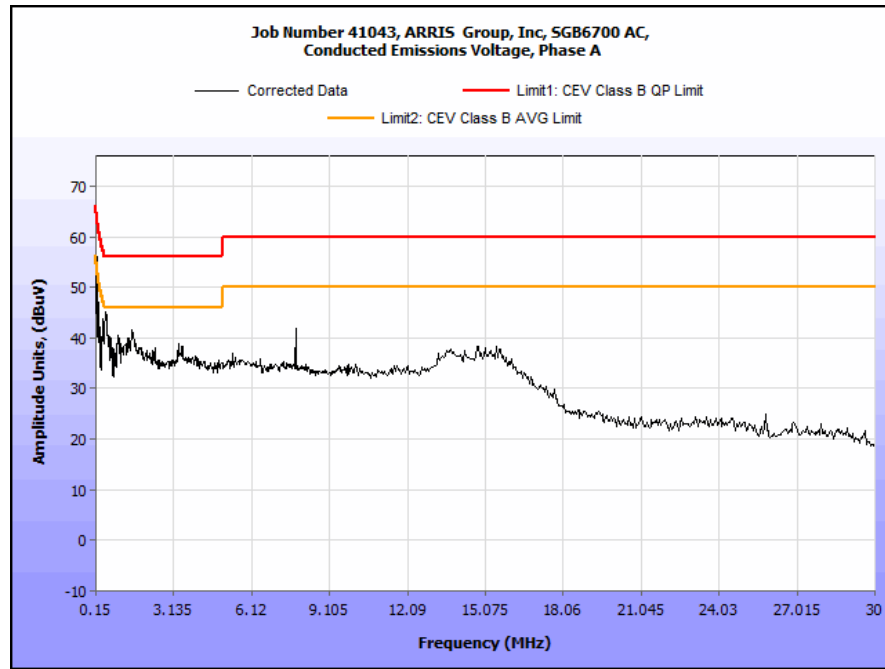
Test Engineer(s): Djed Mouada

Test Date(s): 01/31/14

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

Frequency (MHz)	Uncorrected Meter Reading (dBμV) QP	Cable Loss (dB)	Corrected Measurement (dBμV) QP	Limit (dBμV) QP	Margin (dB) QP	Uncorrected Meter Reading (dBμV) Avg.	Cable Loss (dB)	Corrected Measurement (dBμV) AVG	Limit (dBμV) AVG	Margin (dB) AVG
0.187	50.89	0	50.89	64.17	-13.28	35.74	0	35.74	54.17	-18.43
0.494	40.22	0	40.22	56.1	-15.88	26.89	0	26.89	46.1	-19.21
0.792	31.71	0	31.71	56	-24.29	19.35	0	19.35	46	-26.65
1.518	37.59	0	37.59	56	-18.41	24.69	0	24.69	46	-21.31
13.8	31.8	0	31.8	60	-28.2	25.79	0	25.79	50	-24.21
22.48	18.34	0	18.34	60	-41.66	12.35	0	12.35	50	-37.65

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

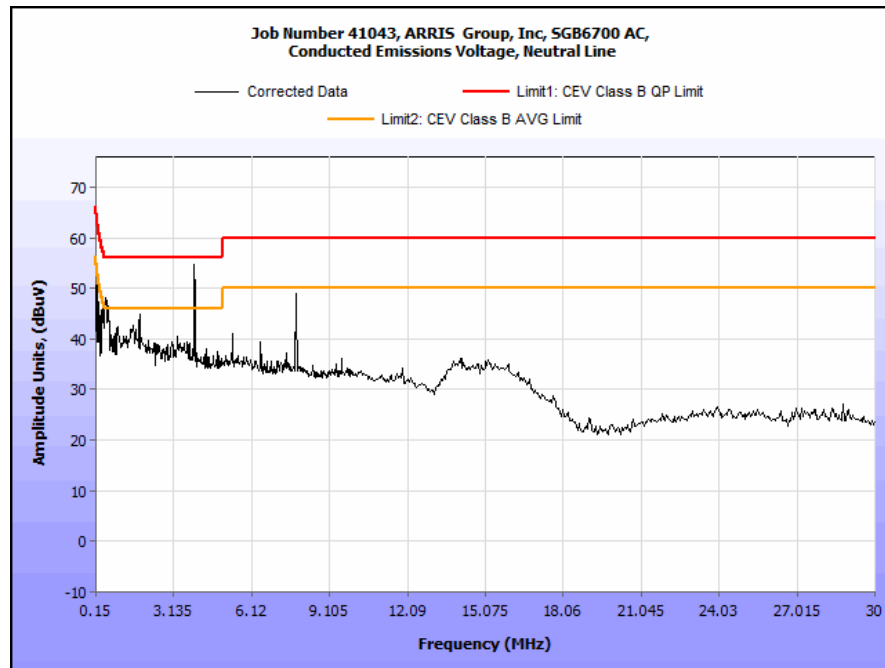


Plot 1. Conducted Emissions, Phase Line Plot

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

Frequency (MHz)	Uncorrected Meter Reading (dBμV) QP	Cable Loss (dB)	Corrected Measurement (dBμV) QP	Limit (dBμV) QP	Margin (dB) QP	Uncorrected Meter Reading (dBμV) Avg.	Cable Loss (dB)	Corrected Measurement (dBμV) AVG	Limit (dBμV) AVG	Margin (dB) AVG
0.151	44.1	0	44.1	65.95	-21.85	28.82	0	28.82	55.95	-27.13
0.419	46.5	0	46.5	57.47	-10.97	31.35	0	31.35	47.47	-16.12
0.545	45.82	0	45.82	56	-10.18	34.74	0	34.74	46	-11.26
1.455	35.7	0	35.7	56	-20.3	25.08	0	25.08	46	-20.92
11.3	27.84	0	27.84	60	-32.16	21.47	0	21.47	50	-28.53
29.69	1.877	0	1.877	60	-58.123	13.44	0	13.44	50	-36.56

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



Plot 2. Conducted Emissions, Neutral Line Plot

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 10.

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 10.

Frequency (MHz)	Field Strength (dB μ V/m)	
	§15.109 (b), Class A Limit (dB μ V) @ 10m	§15.109 (a), Class B Limit (dB μ V) @ 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 10. 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 3 m 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.

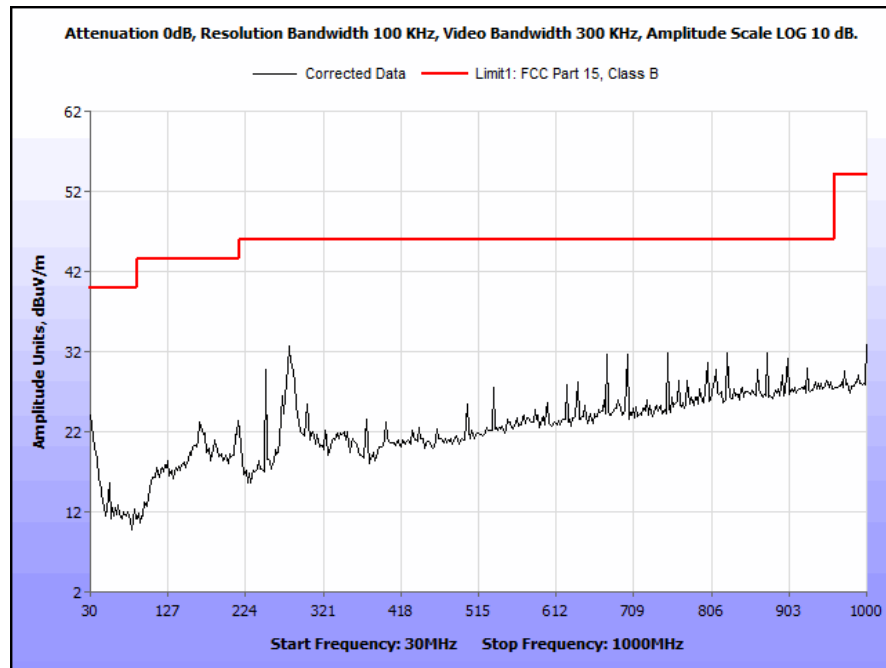
Test Engineer(s): Djed Mouada

Test Date(s): 02/08/14

Radiated Emissions Limits Test Results, Class B

Frequency (MHz)	EUT Azimuth (Degrees)	Antenna Polarity (H/V)	Antenna HEIGHT (m)	Uncorrected Amplitude (dBμV)	Antenna Correction Factor (dB) (+)	Cable Loss (dB) (+)	Distance Correction Factor (dB) (-)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
166.34	34	H	1.05	14.89	12.37	0.94	0.00	28.20	43.50	-15.30
166.34	83	V	1.09	16.93	12.37	0.94	0.00	30.24	43.50	-13.26
278.47	129	H	1.18	12.04	13.80	1.42	0.00	27.26	46.00	-18.74
278.47	16	V	1.12	13.25	13.80	1.42	0.00	28.47	46.00	-17.53
503.27	19	H	1.05	11.95	18.10	1.88	0.00	31.93	46.00	-14.07
503.27	289	V	1.12	11.99	18.10	1.88	0.00	31.97	46.00	-14.03
675.39	229	H	1.19	10.30	20.60	2.15	0.00	33.05	46.00	-12.95
675.39	12	V	1.09	10.40	20.60	2.15	0.00	33.15	46.00	-12.85
751.39	198	H	1.03	8.37	21.23	2.41	0.00	32.01	46.00	-13.99
751.39	210	V	1.08	8.49	21.23	2.41	0.00	32.13	46.00	-13.87
926.38	118	H	1.12	7.21	23.13	2.85	0.00	33.19	46.00	-12.81
926.38	293	V	1.11	7.22	23.13	2.85	0.00	33.20	46.00	-12.80

Table 11. Radiated Emissions Limits, Test Results, 30 MHz – 1 GHz



Plot 3. Radiated Emissions, 30 MHz - 1 GHz

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. The EUT has an integral antenna.

Test Engineer(s): Surinder Singh

Test Date(s): 02/12/14

Antennas	Peak Gain (dBi) (over 5725-5850MHz)
Chain A0	3.99
Chain A1	4.64
Chain A2	3.09
3Tx Composite	8.71

The 3Tx Composite gain was calculated based upon the formula given in KDB 662911 D01 Multiple Transmitter Output v02r01 for antenna gains that are not equal and each transmit antenna is driven by only one spatial stream.

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 12. 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.

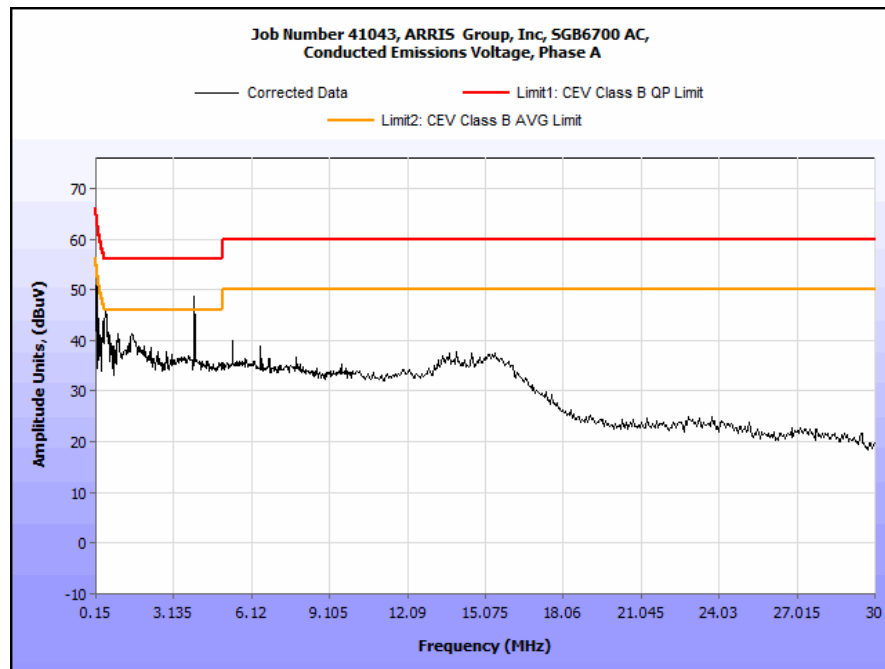
Test Engineer(s): Surinder Singh

Test Date(s): 01/31/14

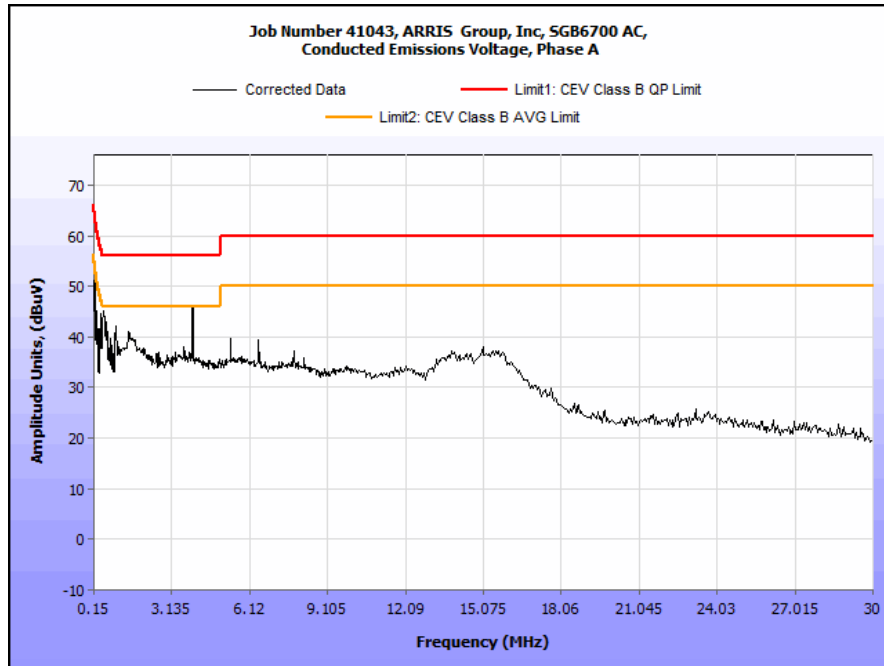
15.207(a) Conducted Emissions Test Results

Frequency (MHz)	Uncorrected Meter Reading (dBμV) QP	Cable Loss (dB)	Corrected Measurement (dBμV) QP	Limit (dBμV) QP	Margin (dB) QP	Uncorrected Meter Reading (dBμV) Avg.	Cable Loss (dB)	Corrected Measurement (dBμV) AVG	Limit (dBμV) AVG	Margin (dB) AVG
0.186	47.76	0	47.76	64.21	-16.45	34.2	0	34.2	54.21	-20.01
0.512	40.09	0	40.09	56	-15.91	29.03	0	29.03	46	-16.97
1.492	35.82	0	35.82	56	-20.18	23.46	0	23.46	46	-22.54
3.926	35.5	0.11	35.61	56	-20.39	20.27	0.11	20.38	46	-25.62
7.775	30.49	0.17	30.66	60	-29.34	22.76	0.17	22.93	50	-27.07
24.892	27.38	0.17	27.55	60	-32.45	19.03	0.17	19.2	50	-30.8

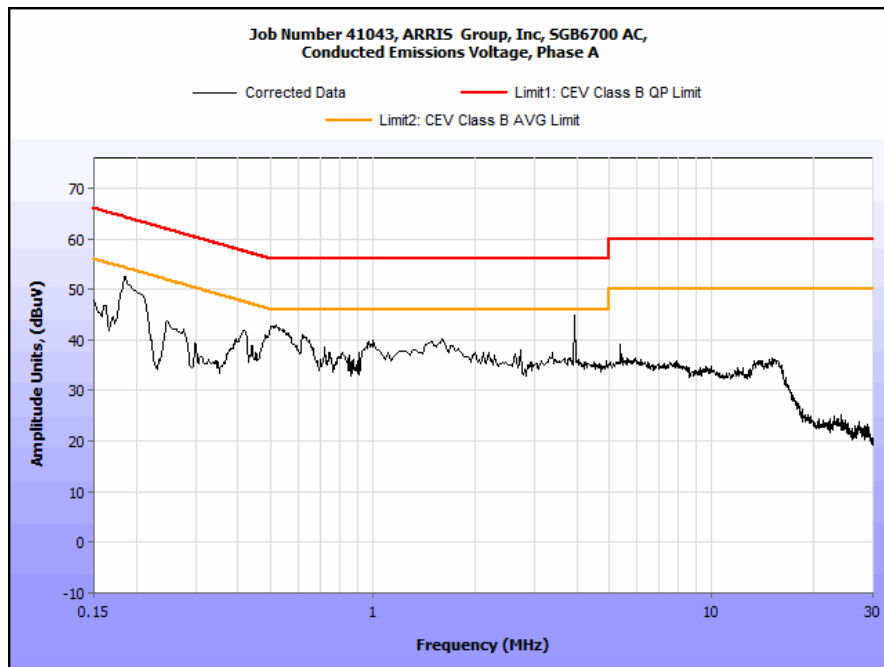
Table 13. Conducted Emissions, 15.207(a), Phase Line, Test Results



Plot 4. Conducted Emissions, 15.207(a), Phase Line, Low Channel



Plot 5. Conducted Emissions, 15.207(a), Phase Line, Mid Channel

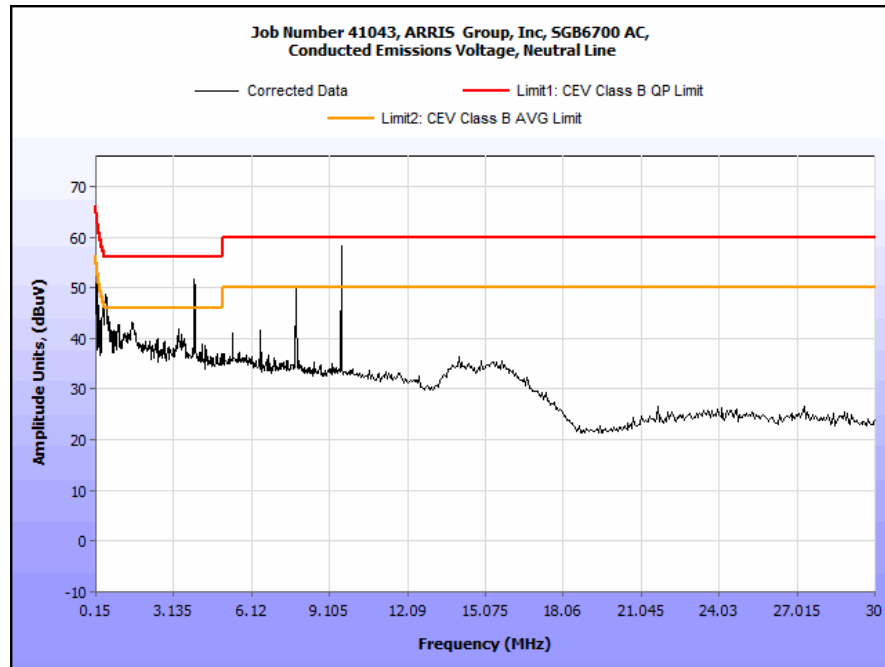


Plot 6. Conducted Emissions, 15.207(a), Phase Line, High Channel

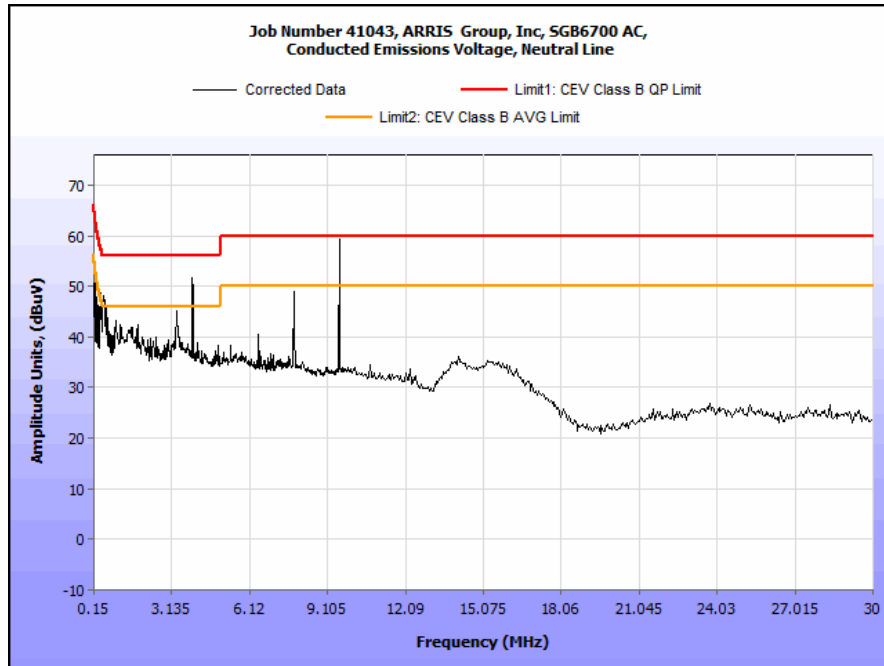
15.207(a) Conducted Emissions Test Results

Frequency (MHz)	Uncorrected Meter Reading (dBμV) QP	Cable Loss (dB)	Corrected Measurement (dBμV) QP	Limit (dBμV) QP	Margin (dB) QP	Uncorrected Meter Reading (dBμV) Avg.	Cable Loss (dB)	Corrected Measurement (dBμV) AVG	Limit (dBμV) AVG	Margin (dB) AVG
0.154	50.69	0	50.69	65.78	-15.09	41.14	0	41.14	55.78	-14.64
0.418	45.64	0	45.64	57.49	-11.85	32.65	0	32.65	47.49	-14.84
1.232	35.57	0	35.57	56	-20.43	24.42	0	24.42	46	-21.58
3.927	49.41	0.11	49.52	56	-6.48	24.9	0.11	25.01	46	-20.99
7.818	48.48	0.17	48.65	60	-11.35	26	0.17	26.17	50	-23.83
25.16	20.29	0.17	20.46	60	-39.54	15.57	0.17	15.74	50	-34.26

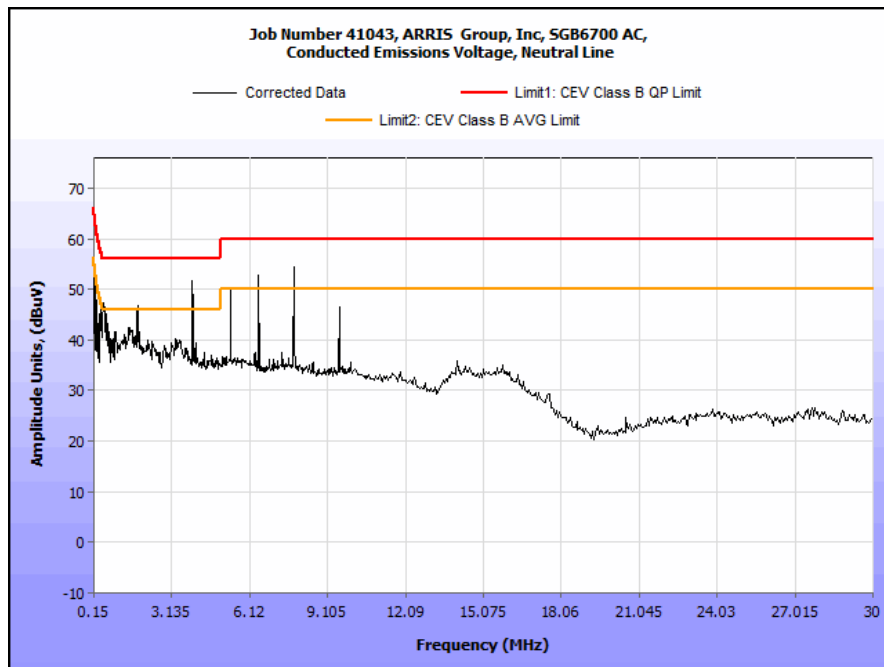
Table 14. Conducted Emissions, 15.207(a), Neutral Line, Test Results



Plot 7. Conducted Emissions, 15.207(a), Neutral Line, Low Channel



Plot 8. Conducted Emissions, 15.207(a), Neutral Line, Mid Channel



Plot 9. Conducted Emissions, 15.207(a), Neutral Line, High Channel

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): Surinder Singh

Test Date(s): 02/20/14

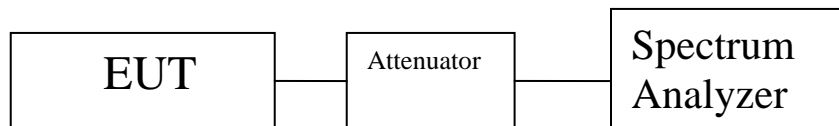


Figure 1. Block Diagram, Occupied Bandwidth Test Setup

6 dB Occupied Bandwidth Test Results

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	16.451
Mid	5785	16.389
High	5825	16.385

Table 15. 6 dB Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	16.096
Mid	5785	16.111
High	5825	16.388

Table 16. 6 dB Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	16.536
Mid	5785	16.330
High	5825	16.320

Table 17. 6 dB Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	17.560
Mid	5785	17.304
High	5825	17.305

Table 18. 6 dB Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	17.535
Mid	5785	17.304
High	5825	17.571

Table 19. 6 dB Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	17.618
Mid	5785	17.336
High	5825	17.571

Table 20. 6 dB Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	17.627
Mid	5785	17.634
High	5825	16.470

Table 21. 6 dB Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	17.609
Mid	5785	17.602
High	5825	17.328

Table 22. 6 dB Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5745	17.599
Mid	5785	17.577
High	5825	17.328

Table 23. 6 dB Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.510
High	5795	36.401

Table 24. 6 dB Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.397
High	5795	36.384

Table 25. 6 dB Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.397
High	5795	36.401

Table 26. 6 dB Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.441
High	5795	36.043

Table 27. 6 dB Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.398
High	5795	36.086

Table 28. 6 dB Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.402
High	5795	35.945

Table 29. 6 dB Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.372
High	5795	35.814

Table 30. 6 dB Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.351
High	5795	36.010

Table 31. 6 dB Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
Low	5755	36.156
High	5795	36.027

Table 32. 6 dB Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
161	5775	75.546

Table 33. 6 dB Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
161	5775	75.734

Table 34. 6 dB Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
161	5775	75.642

Table 35. 6 dB Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
161	5775	75.408

Table 36. 6 dB Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
161	5775	75.435

Table 37. 6 dB Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 6 dB Bandwidth (MHz)
161	5775	75.338

Table 38. 6 dB Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 2

99% Occupied Bandwidth Test Results

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	16.6868
Mid	5785	16.7553
High	5825	16.7434

Table 39. 99% Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	16.7918
Mid	5785	16.7071
High	5825	16.6664

Table 40. 99% Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	16.7849
Mid	5785	16.8174
High	5825	16.9430

Table 41. 99% Occupied Bandwidth, Test Results, 802.11a 20 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	17.9499
Mid	5785	17.9598
High	5825	18.0298

Table 42. 99% Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	17.9860
Mid	5785	17.9415
High	5825	18.0011

Table 43. 99% Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	17.9097
Mid	5785	17.8698
High	5825	17.9755

Table 44. 99% Occupied Bandwidth, Test Results, 802.11ac 20 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	17.9980
Mid	5785	18.0538
High	5825	18.1637

Table 45. 99% Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	17.9001
Mid	5785	17.9390
High	5825	17.8263

Table 46. 99% Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5745	18.0283
Mid	5785	17.8396
High	5825	18.0648

Table 47. 99% Occupied Bandwidth, Test Results, 802.11n 20 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	37.1290
High	5795	37.0825

Table 48. 99% Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	37.0385
High	5795	36.9450

Table 49. 99% Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	37.0138
High	5795	36.9173

Table 50. 99% Occupied Bandwidth, Test Results, 802.11a 40 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	37.0250
High	5795	36.7960

Table 51. 99% Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	36.9025
High	5795	36.8015

Table 52. 99% Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	36.8584
High	5795	36.7455

Table 53. 99% Occupied Bandwidth, Test Results, 802.11ac 40 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	36.9330
High	5795	36.9855

Table 54. 99% Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	39.9996
High	5795	36.8997

Table 55. 99% Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
Low	5755	36.6381
High	5795	37.0318

Table 56. 99% Occupied Bandwidth, Test Results, 802.11n 40 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
161	5775	76.0649

Table 57. 99% Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 0

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
161	5775	75.9799

Table 58. 99% Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 1

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
161	5775	75..3674

Table 59. 99% Occupied Bandwidth, Test Results, 802.11a 80 MHz, Ant. 2

Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
161	5775	76.1624

Table 60. 99% Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 0

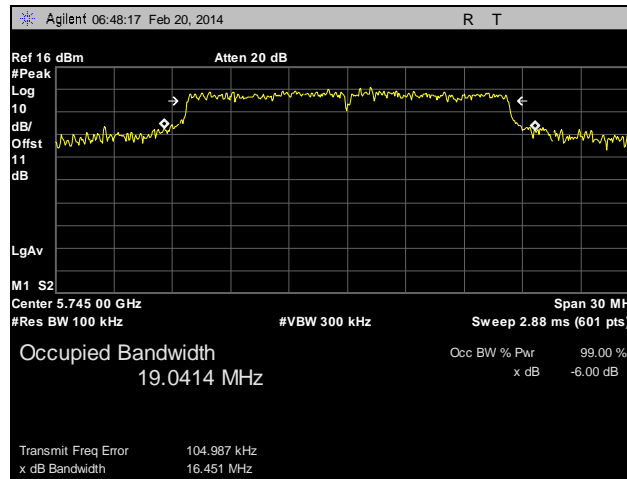
Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
161	5775	76.3665

Table 61. 99% Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 1

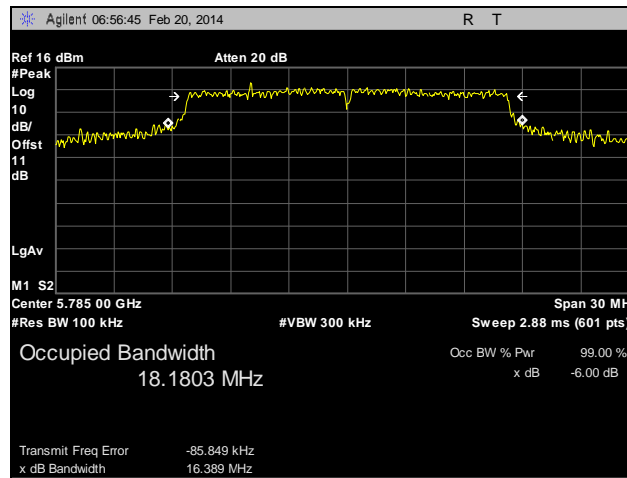
Occupied Bandwidth		
Carrier Channel	Frequency (MHz)	Measured 99% Bandwidth (MHz)
161	5775	76.3559

Table 62. 99% Occupied Bandwidth, Test Results, 802.11ac 80 MHz, Ant. 2

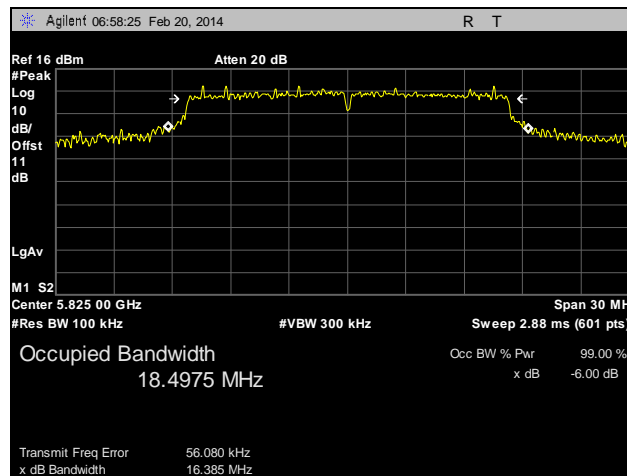
6 dB Occupied Bandwidth Test Results, 802.11a 20 MHz



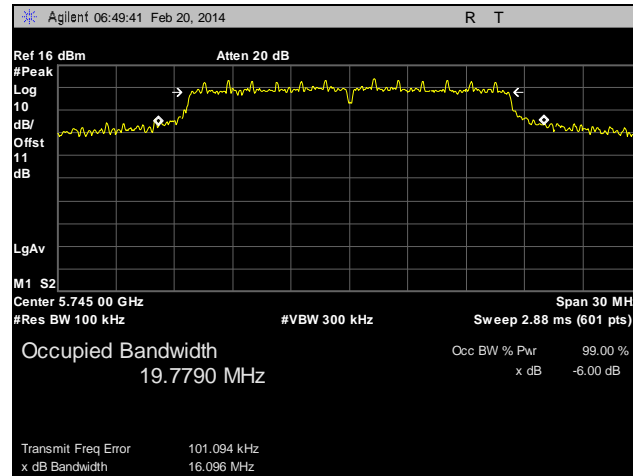
Plot 10. 6 dB Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 0



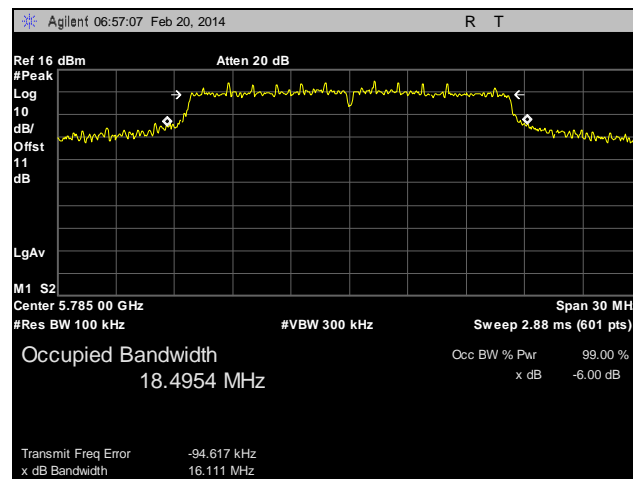
Plot 11. 6 dB Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 0



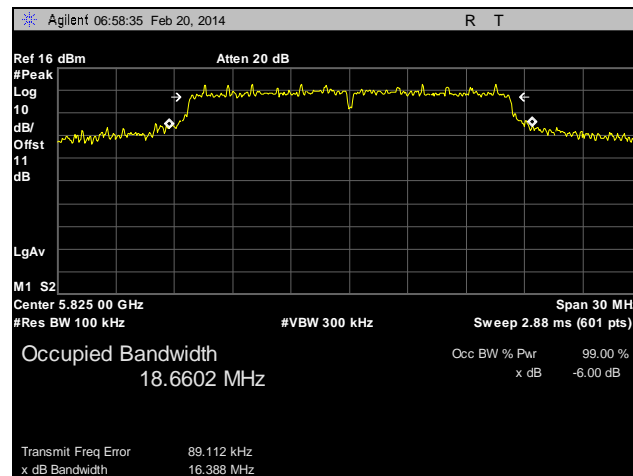
Plot 12. 6 dB Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 0



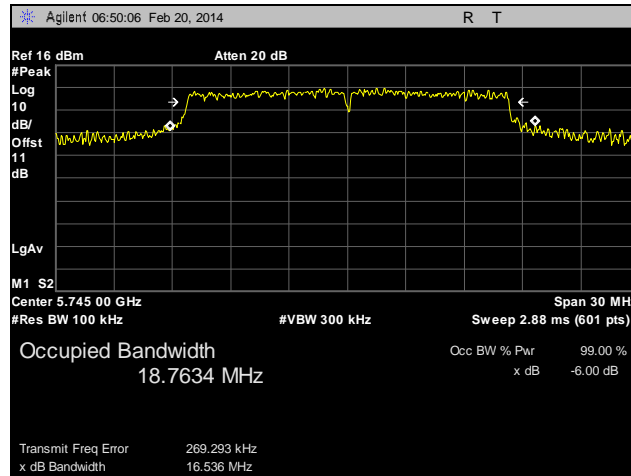
Plot 13. 6 dB Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 1



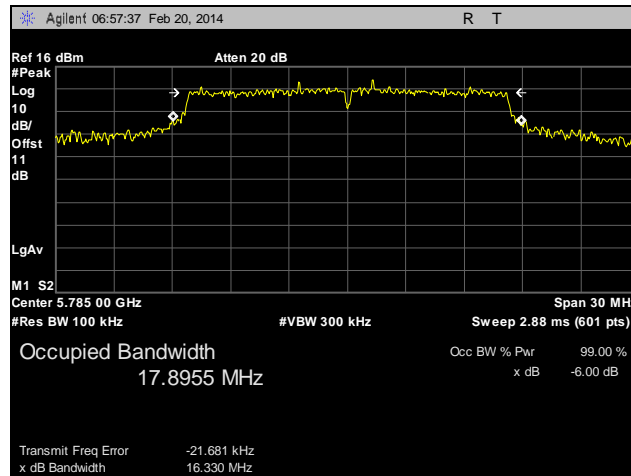
Plot 14. 6 dB Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 1



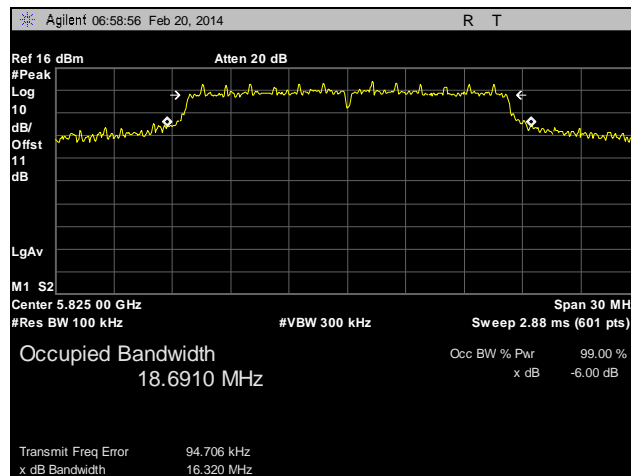
Plot 15. 6 dB Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 1



Plot 16. 6 dB Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 2

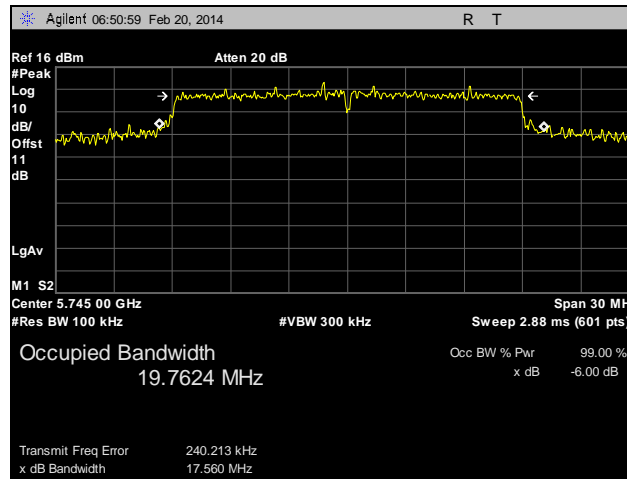


Plot 17. 6 dB Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 2

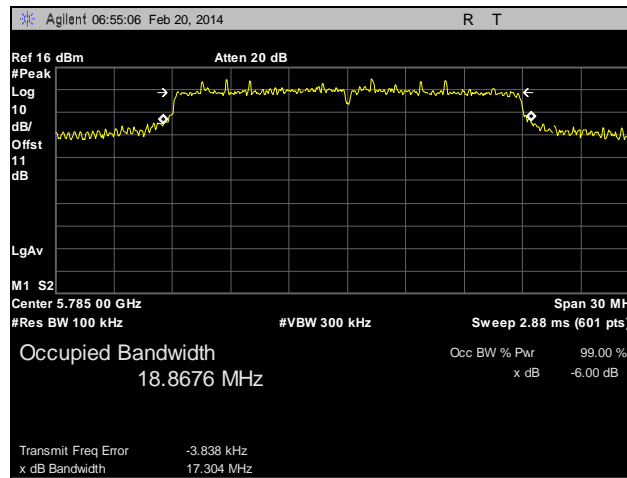


Plot 18. 6 dB Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 2

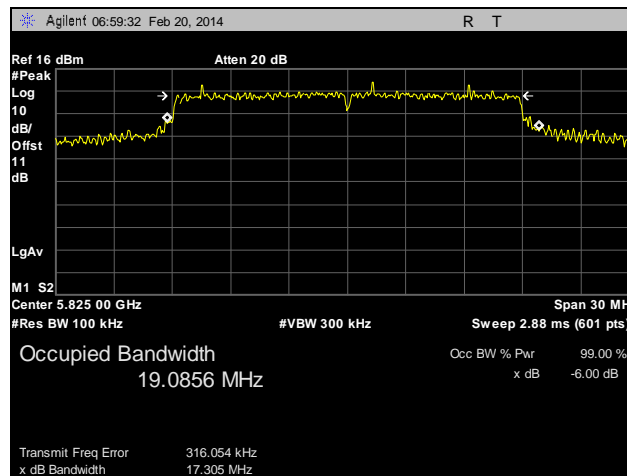
6 dB Occupied Bandwidth Test Results, 802.11ac 20 MHz



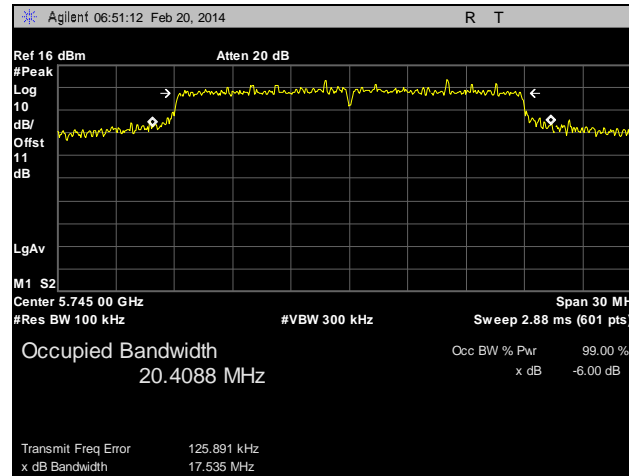
Plot 19. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 0



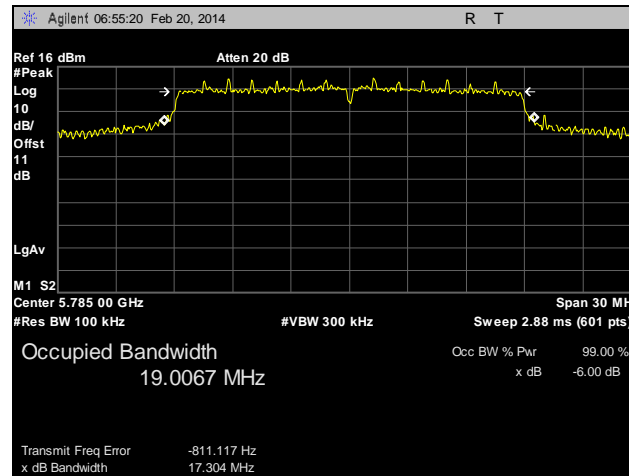
Plot 20. 6 dB Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 0



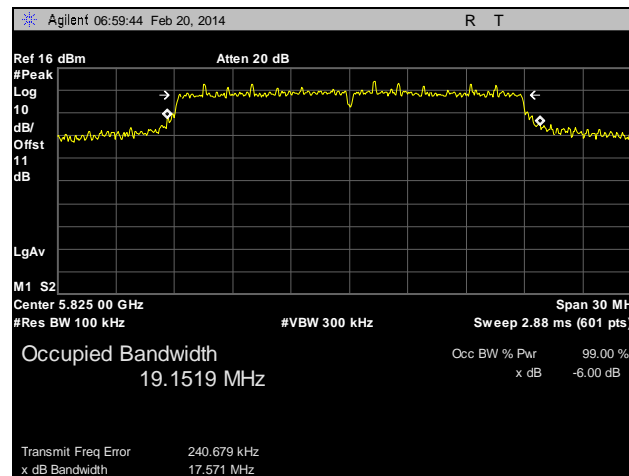
Plot 21. 6 dB Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 0



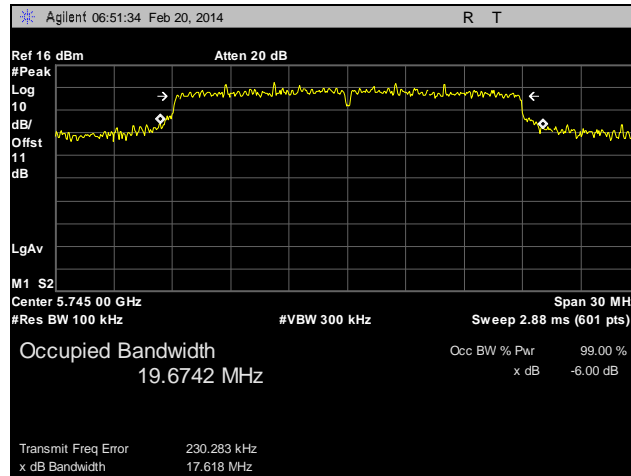
Plot 22. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 1



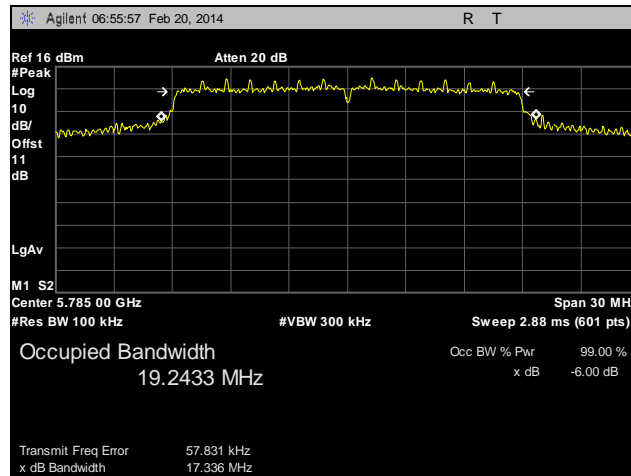
Plot 23. 6 dB Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 1



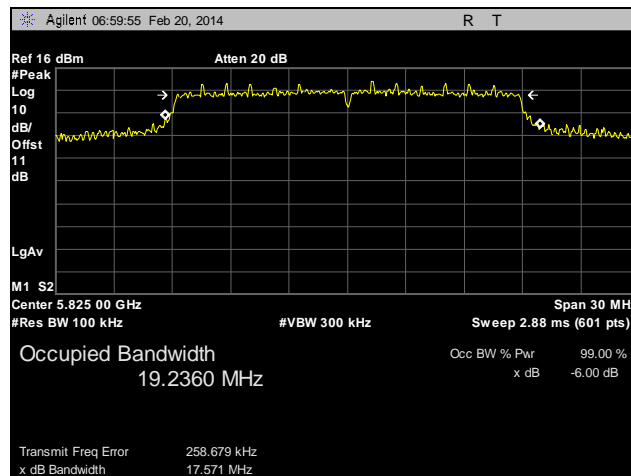
Plot 24. 6 dB Occupied Bandwidth, High Channel, 802.11ac MHz, Ant. 1



Plot 25. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 2

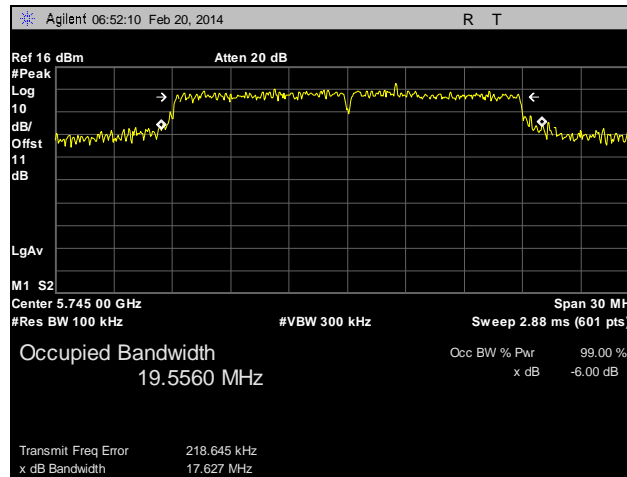


Plot 26. 6 dB Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 2

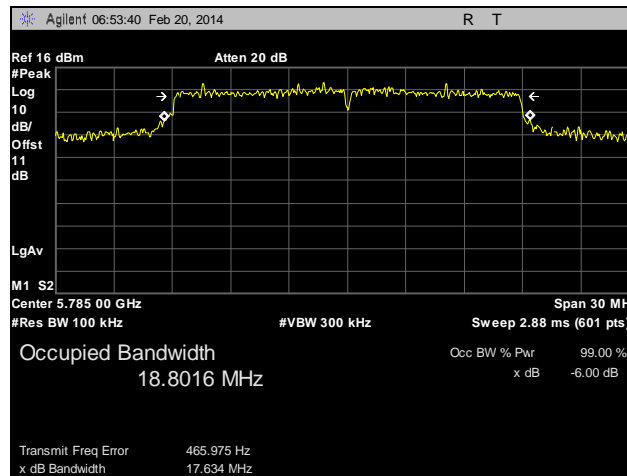


Plot 27. 6 dB Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 2

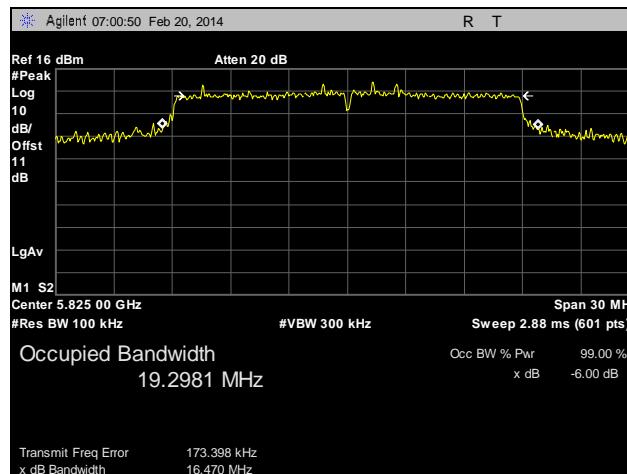
6 dB Occupied Bandwidth Test Results, 802.11n 20 MHz



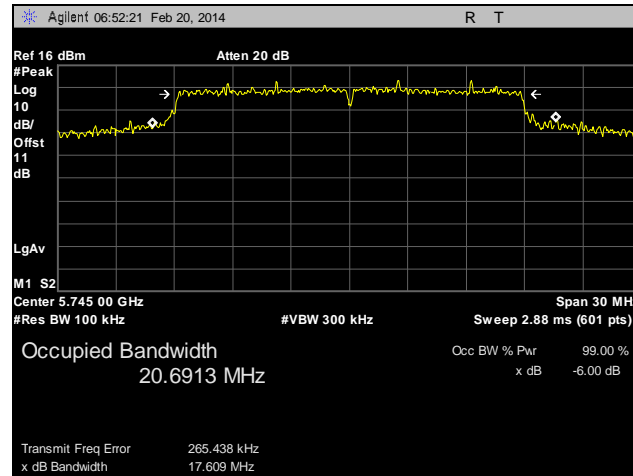
Plot 28. 6 dB Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 0



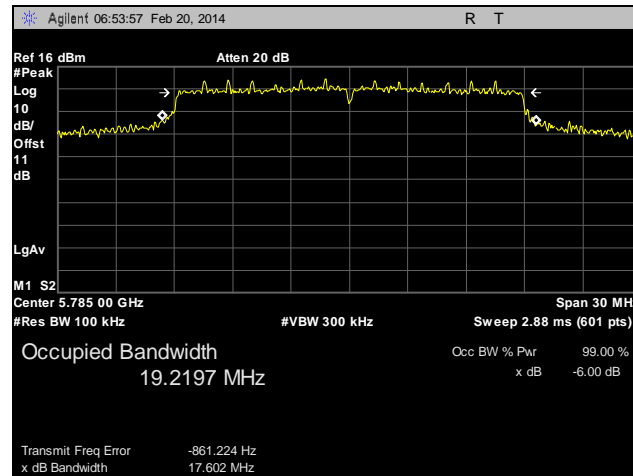
Plot 29. 6 dB Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 0



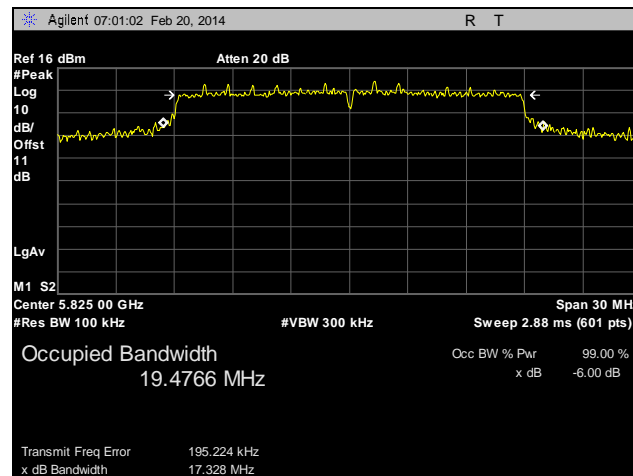
Plot 30. 6 dB Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 0



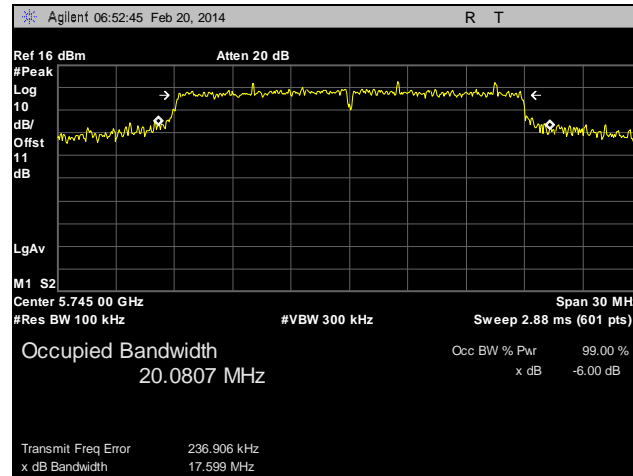
Plot 31. 6 dB Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 1



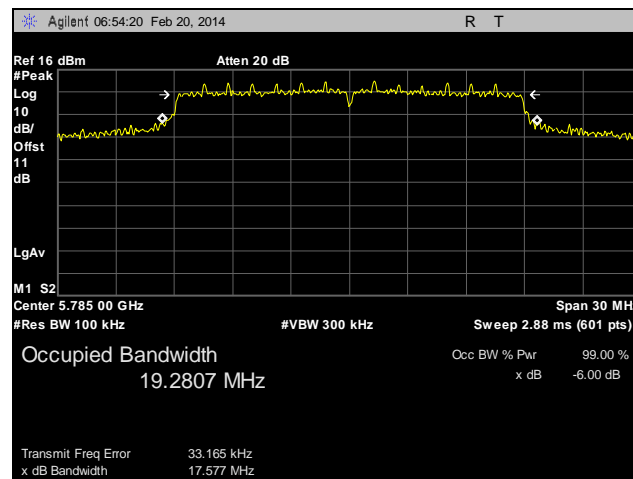
Plot 32. 6 dB Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 1



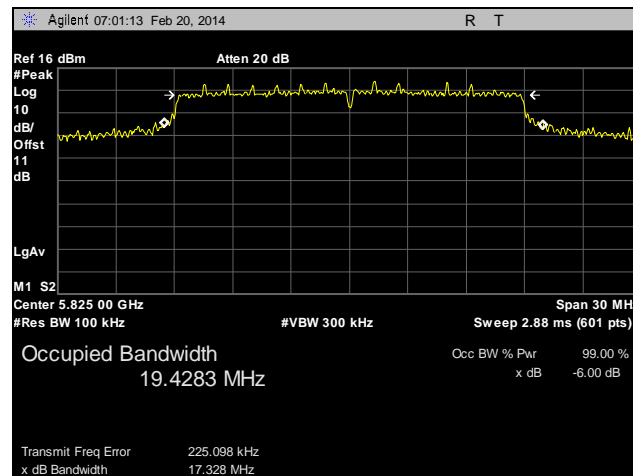
Plot 33. 6 dB Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 1



Plot 34. 6 dB Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 2

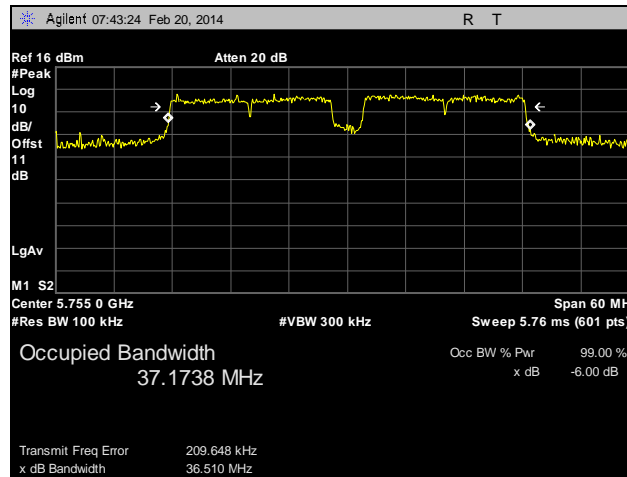


Plot 35. 6 dB Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 2

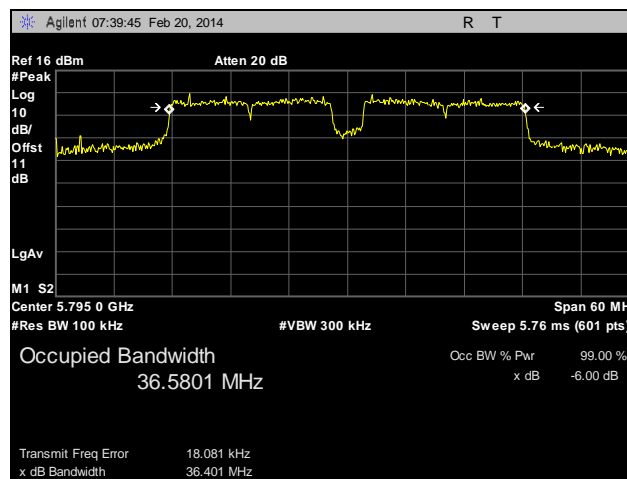


Plot 36. 6 dB Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 2

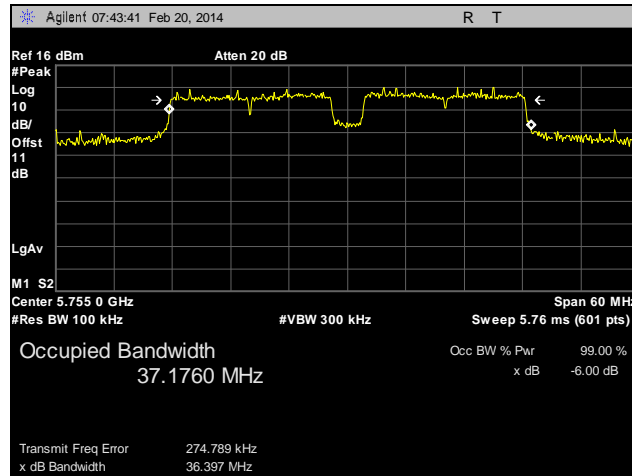
6 dB Occupied Bandwidth Test Results, 802.11a 40 MHz



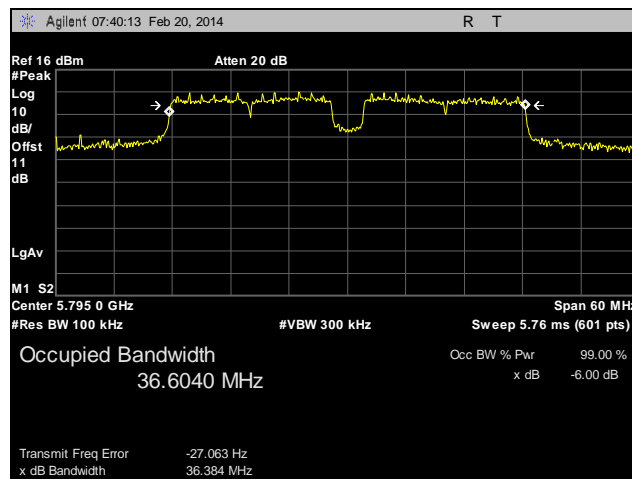
Plot 37. 6 dB Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 0



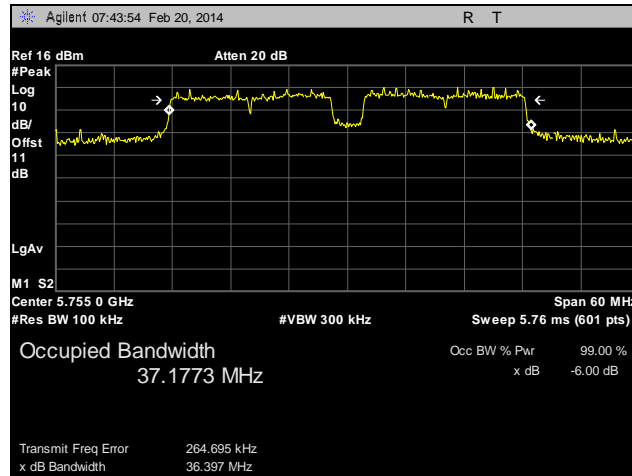
Plot 38. 6 dB Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 0



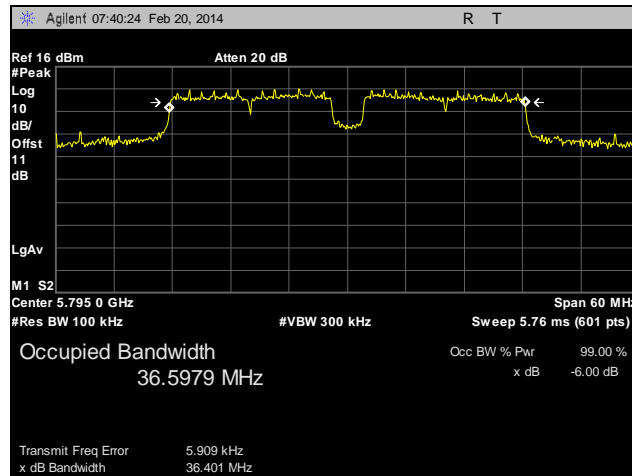
Plot 39. 6 dB Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 1



Plot 40. 6 dB Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 1

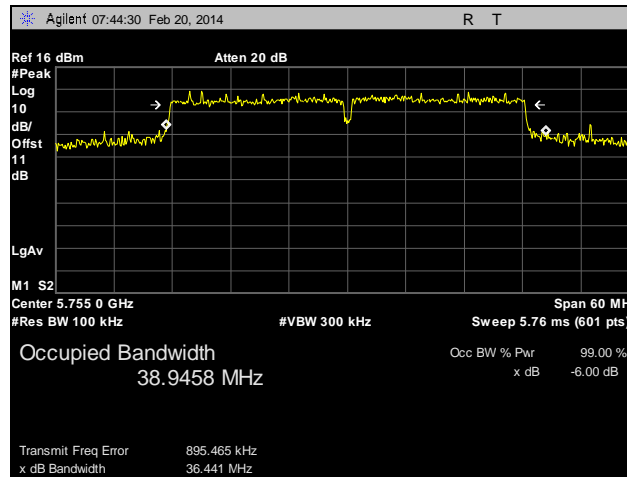


Plot 41. 6 dB Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 2

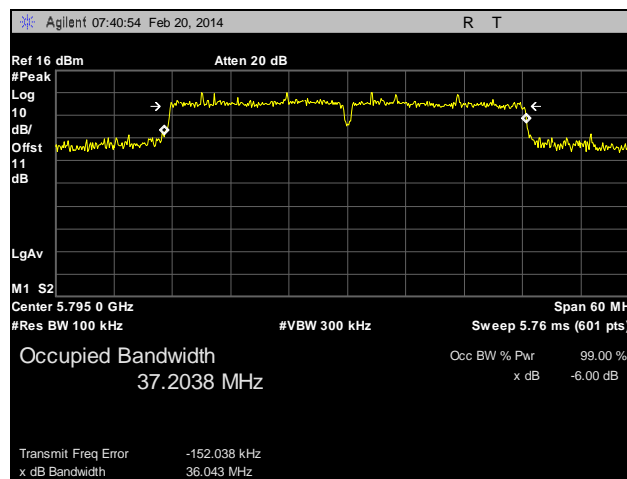


Plot 42. 6 dB Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 2

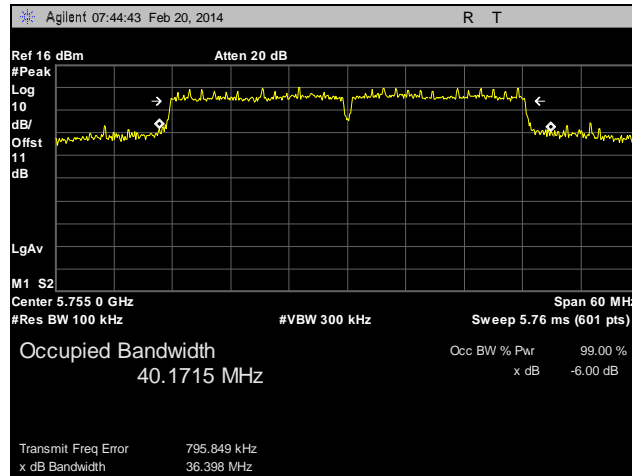
6 dB Occupied Bandwidth Test Results, 802.11ac 40 MHz



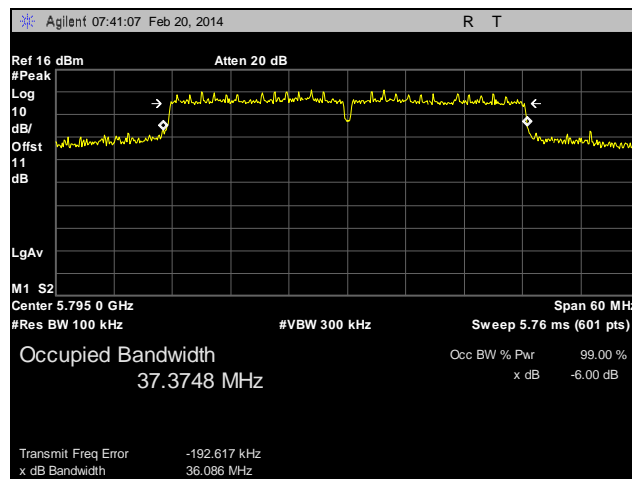
Plot 43. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 0



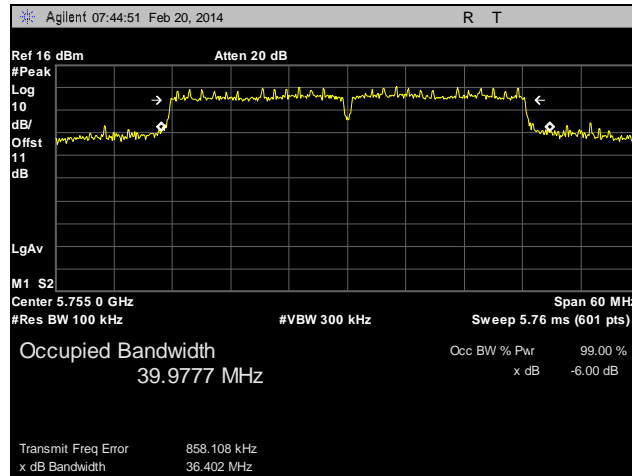
Plot 44. 6 dB Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 0



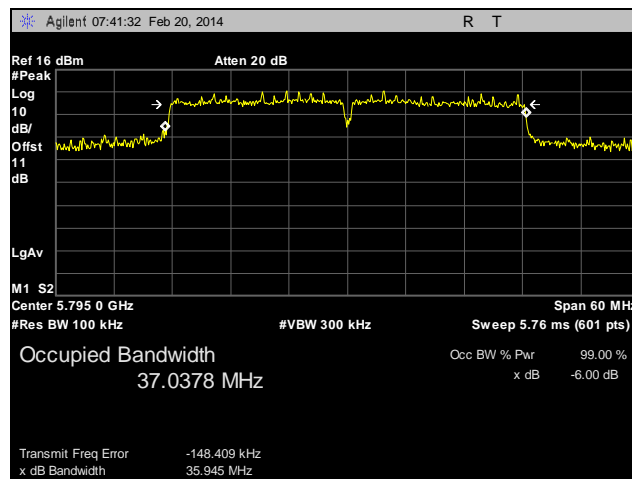
Plot 45. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 1



Plot 46. 6 dB Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 1

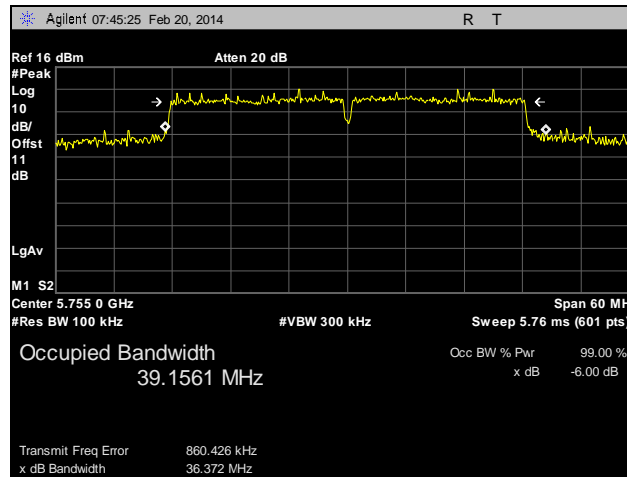


Plot 47. 6 dB Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 2

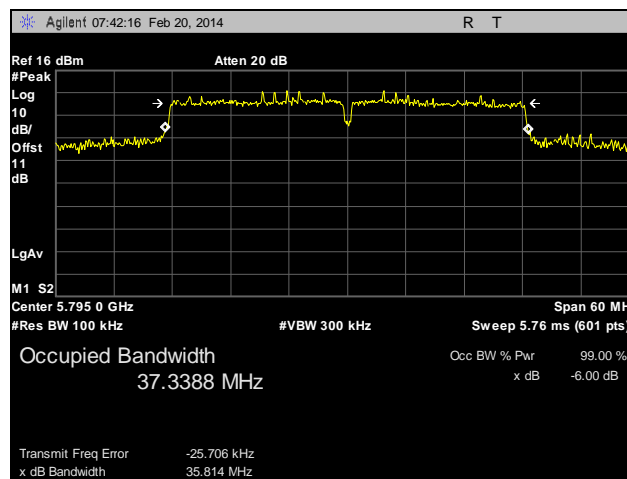


Plot 48. 6 dB Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 2

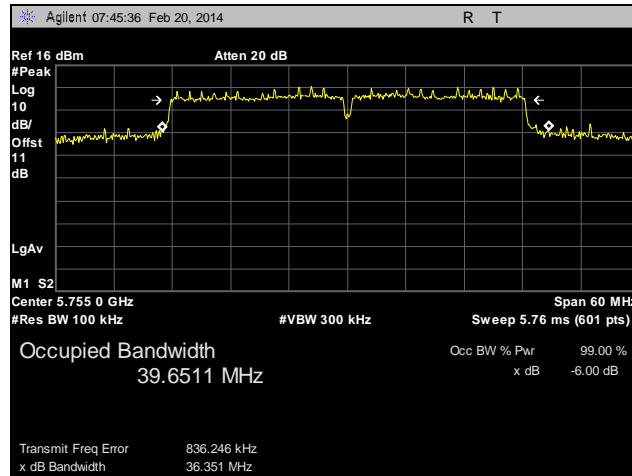
6 dB Occupied Bandwidth Test Results, 802.11n 40 MHz



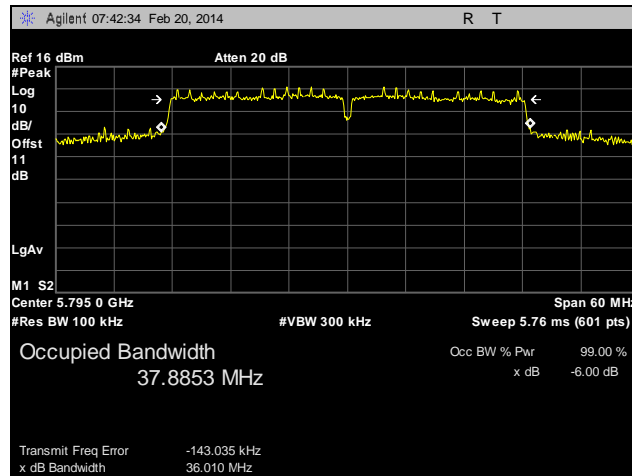
Plot 49. 6 dB Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 0



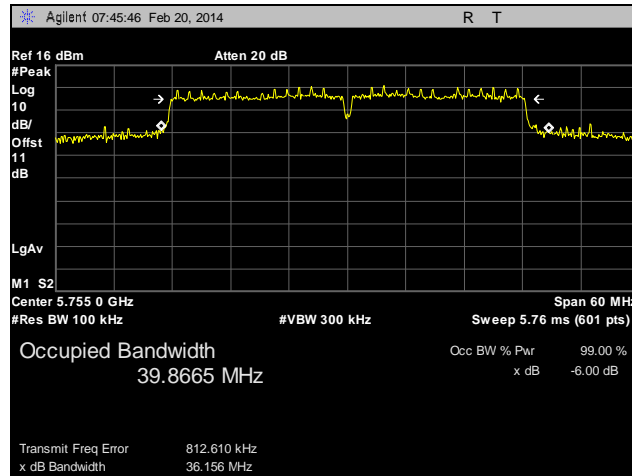
Plot 50. 6 dB Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 0



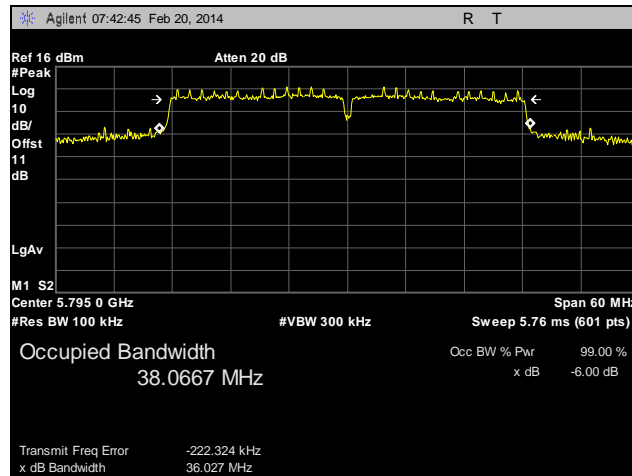
Plot 51. 6 dB Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 1



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

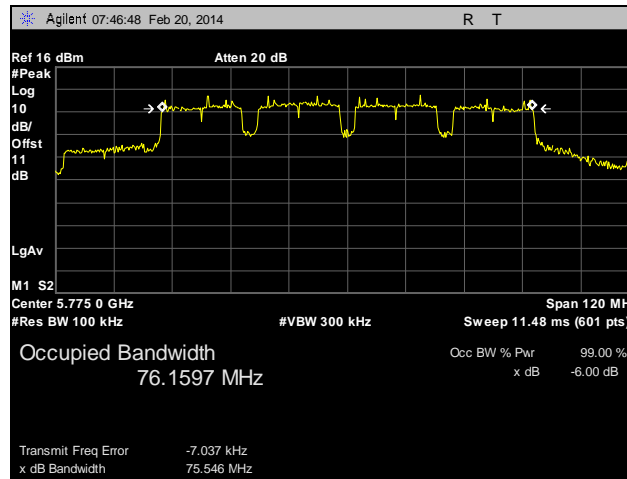


Plot 53. 6 dB Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 2

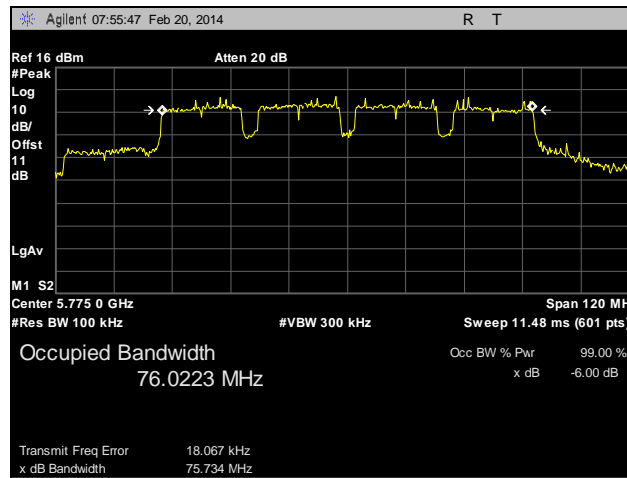


Plot 54. 6 dB Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 2

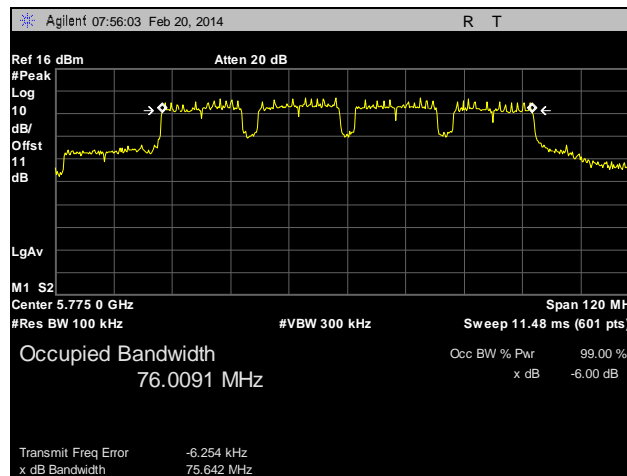
6 dB Occupied Bandwidth Test Results, 802.11a 80 MHz



Plot 55. 6 dB Occupied Bandwidth, 802.11a 80 MHz, Ant. 0

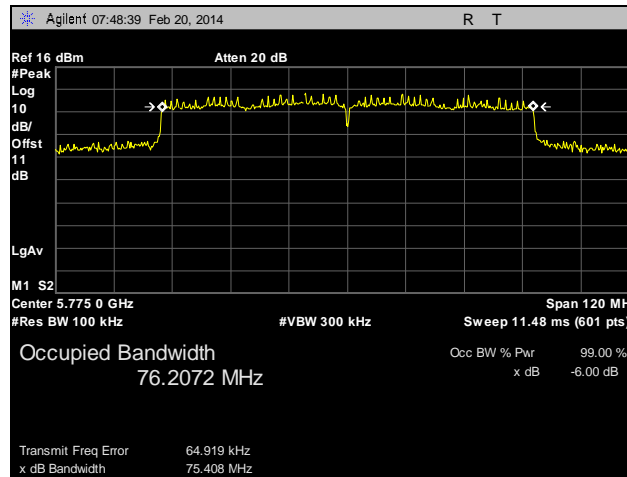


Plot 56. 6 dB Occupied Bandwidth, 802.11a 80 MHz, Ant. 1

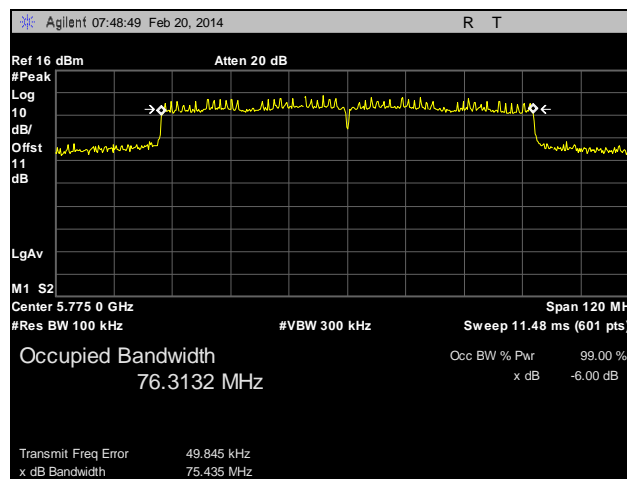


Plot 57. 6 dB Occupied Bandwidth, 802.11a 80 MHz, Ant. 2

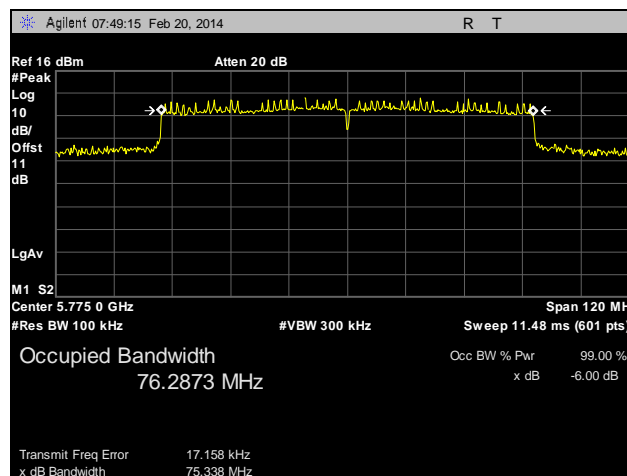
6 dB Occupied Bandwidth Test Results, 802.11ac 80 MHz



Plot 58. 6 dB Occupied Bandwidth, 802.11ac 80 MHz, Ant. 0

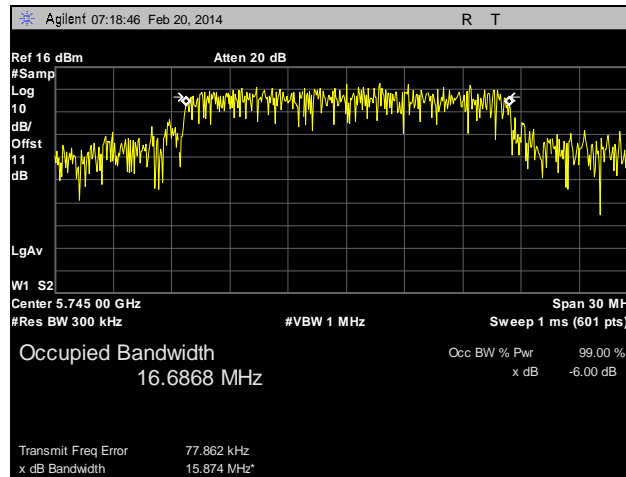


Plot 59. 6 dB Occupied Bandwidth, 802.11ac 80 MHz, Ant. 1

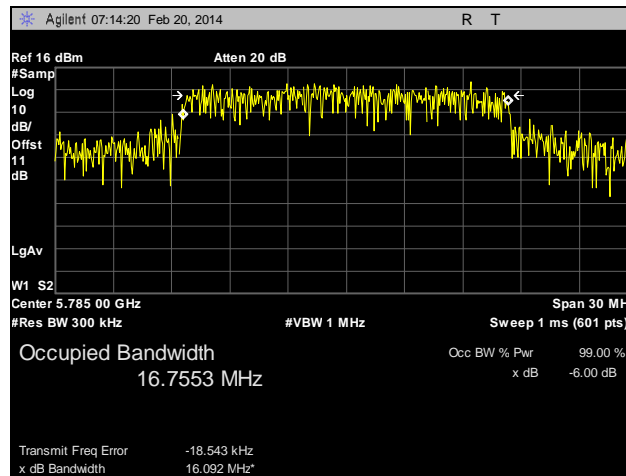


Plot 60. 6 dB Occupied Bandwidth, 802.11ac 80 MHz, Ant. 2

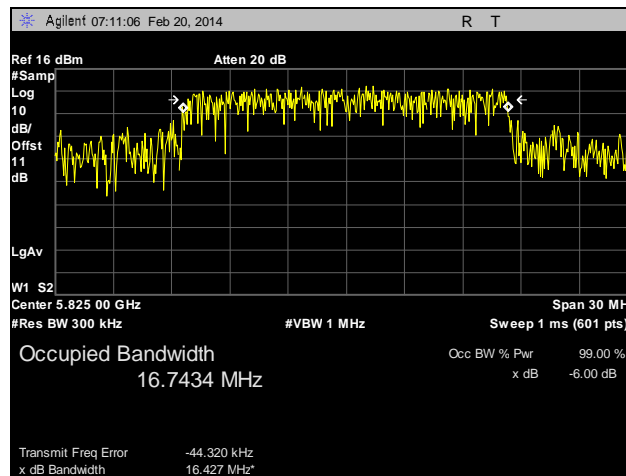
99% Occupied Bandwidth Test Results, 802.11a 20 MHz



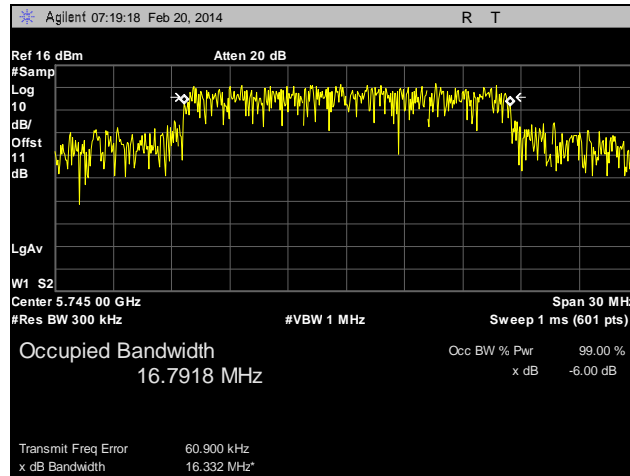
Plot 61. 99% Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 0



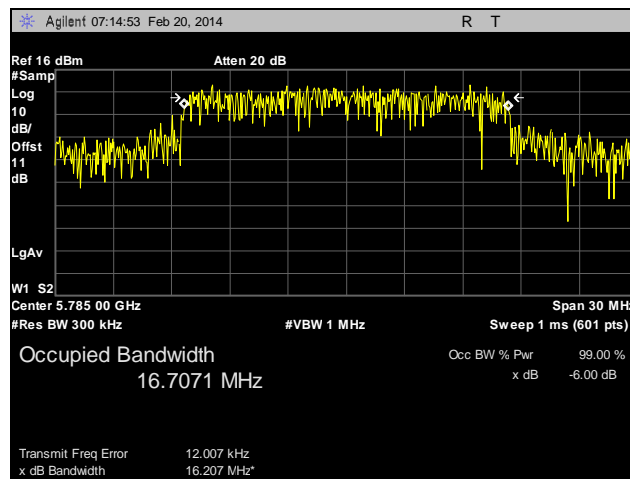
Plot 62. 99% Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 0



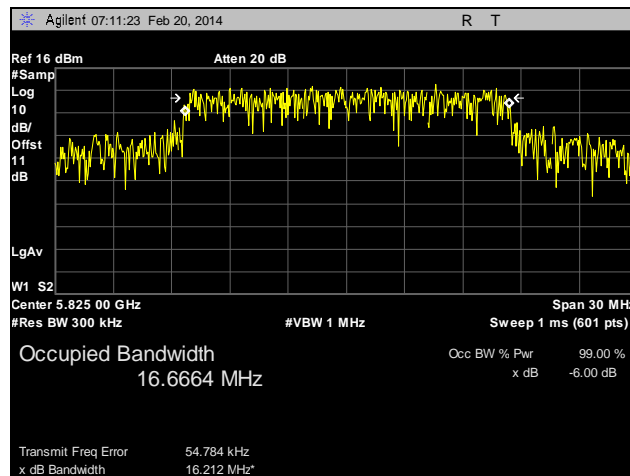
Plot 63. 99% Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 0



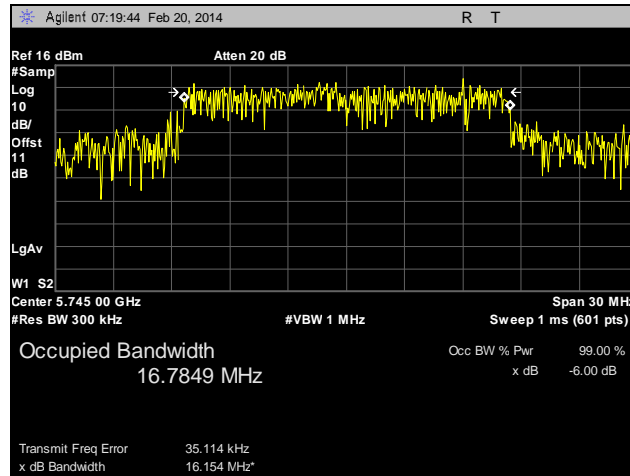
Plot 64. 99% Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 1



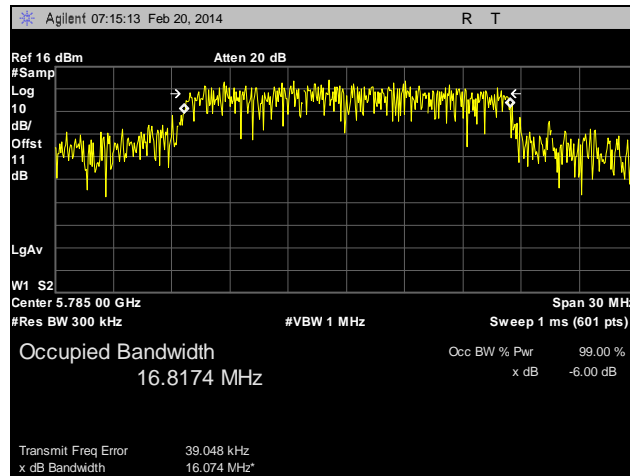
Plot 65. 99% Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 1



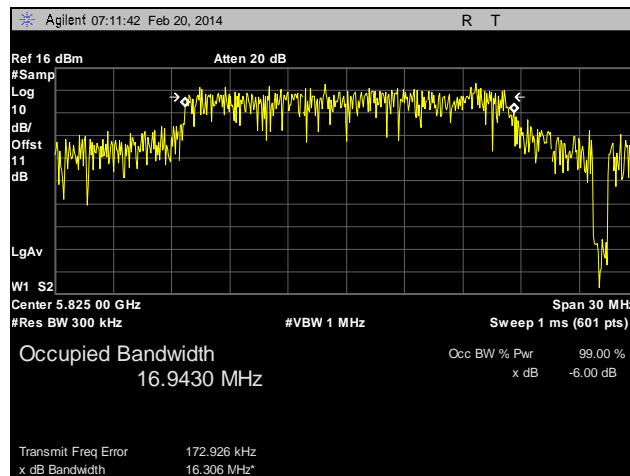
Plot 66. 99% Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 1



Plot 67. 99% Occupied Bandwidth, Low Channel, 802.11a 20 MHz, Ant. 2

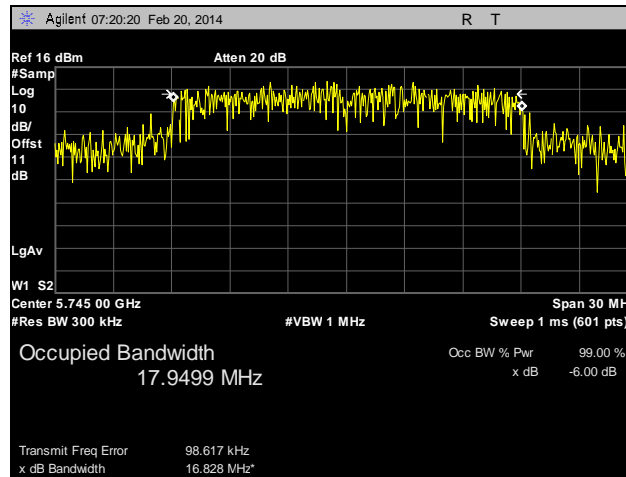


Plot 68. 99% Occupied Bandwidth, Mid Channel, 802.11a 20 MHz, Ant. 2

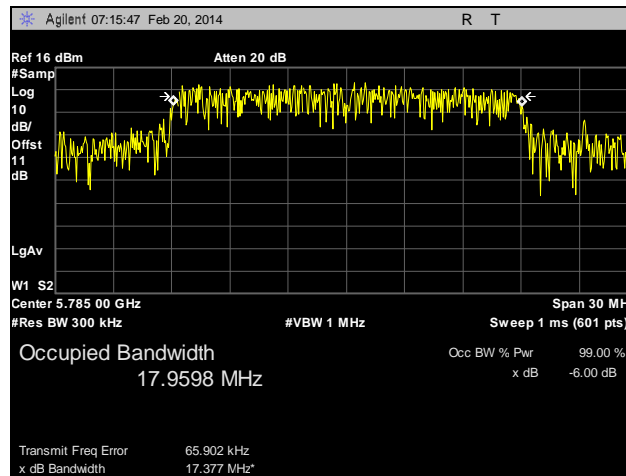


Plot 69. 99% Occupied Bandwidth, High Channel, 802.11a 20 MHz, Ant. 2

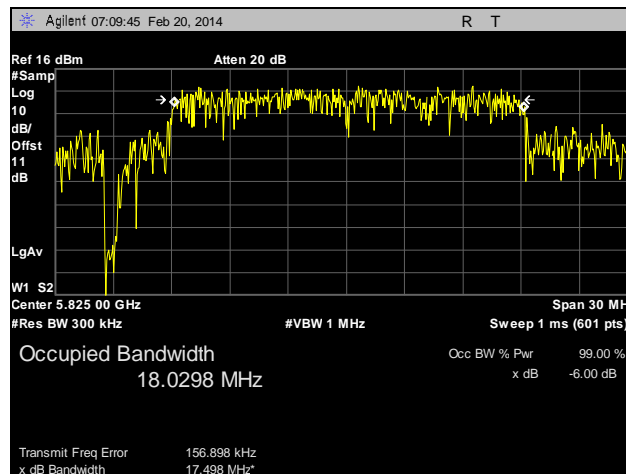
99% Occupied Bandwidth Test Results, 802.11ac 20 MHz



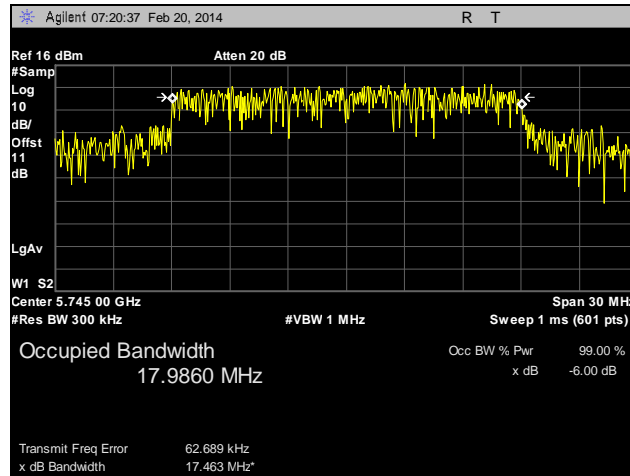
Plot 70. 99% Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 0



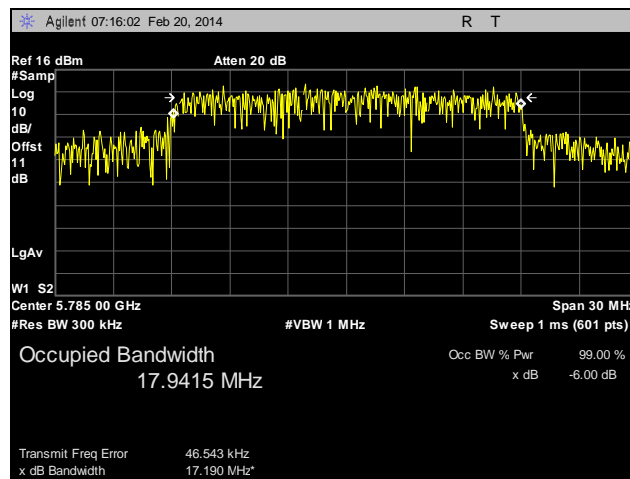
Plot 71. 99% Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 0



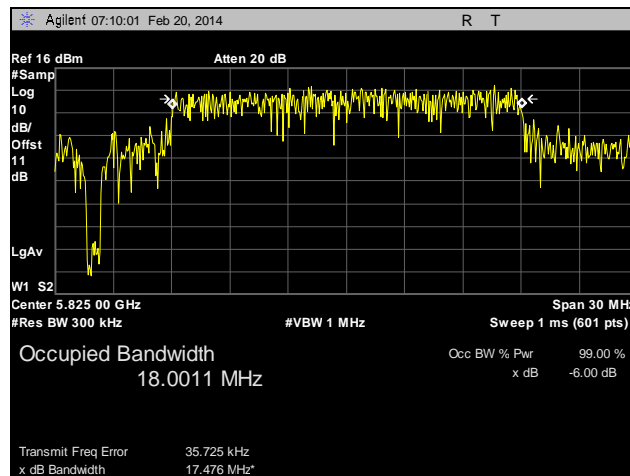
Plot 72. 99% Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 0



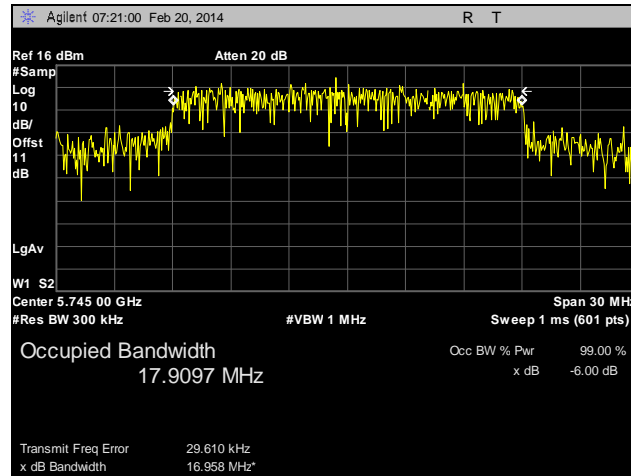
Plot 73. 99% Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 1



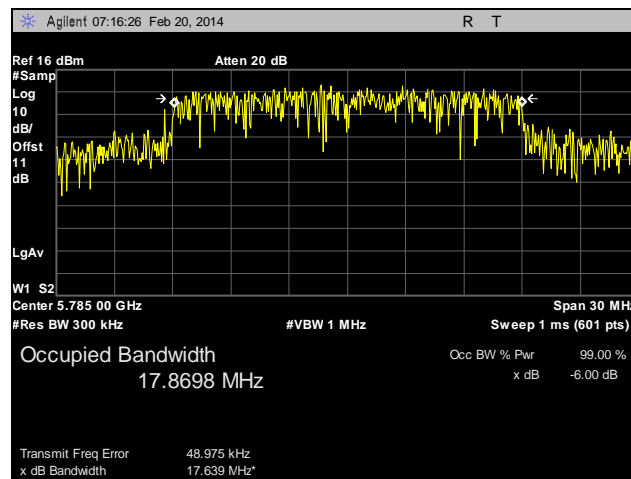
Plot 74. 99% Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 1



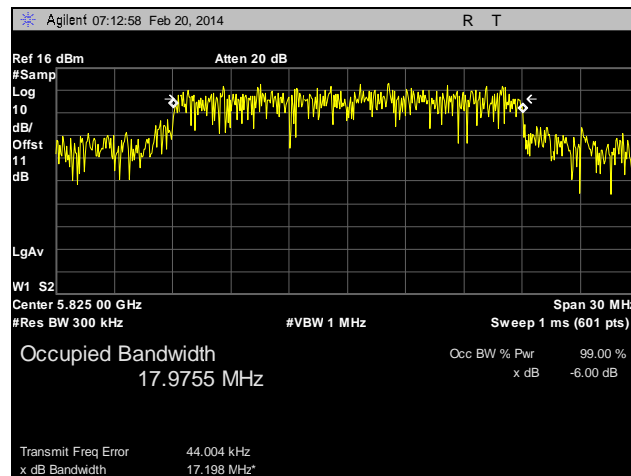
Plot 75. 99% Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 1



Plot 76. 99% Occupied Bandwidth, Low Channel, 802.11ac 20 MHz, Ant. 2

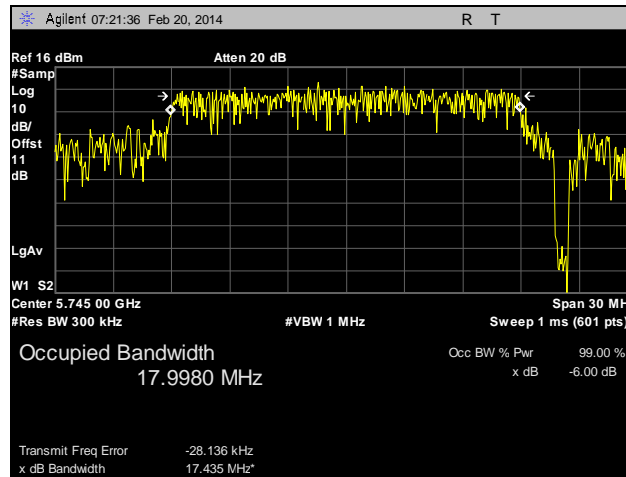


Plot 77. 99% Occupied Bandwidth, Mid Channel, 802.11ac 20 MHz, Ant. 2

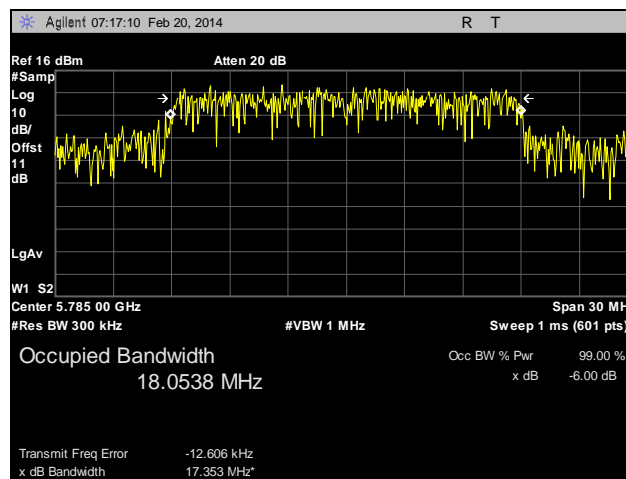


Plot 78. 99% Occupied Bandwidth, High Channel, 802.11ac 20 MHz, Ant. 2

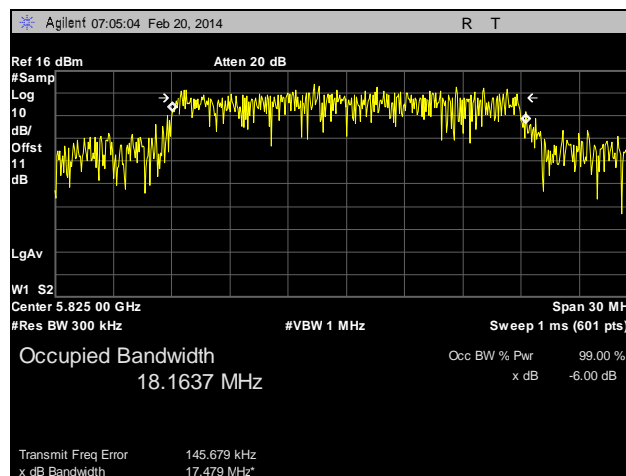
99% Occupied Bandwidth Test Results, 802.11n 20 MHz



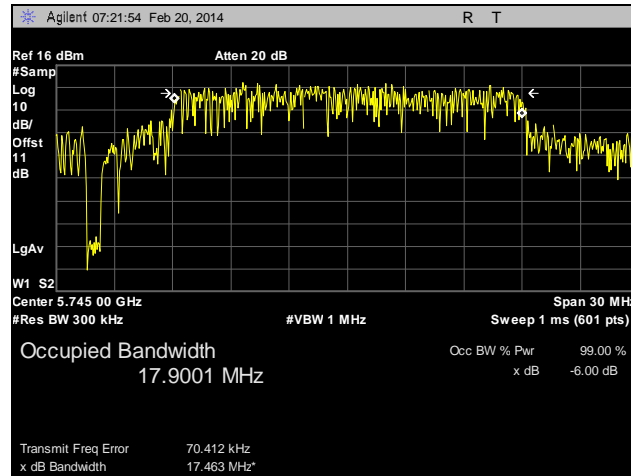
Plot 79. 99% Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 0



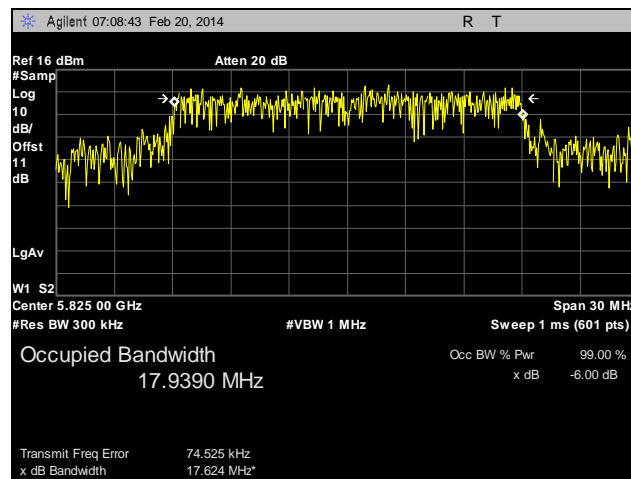
Plot 80. 99% Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 0



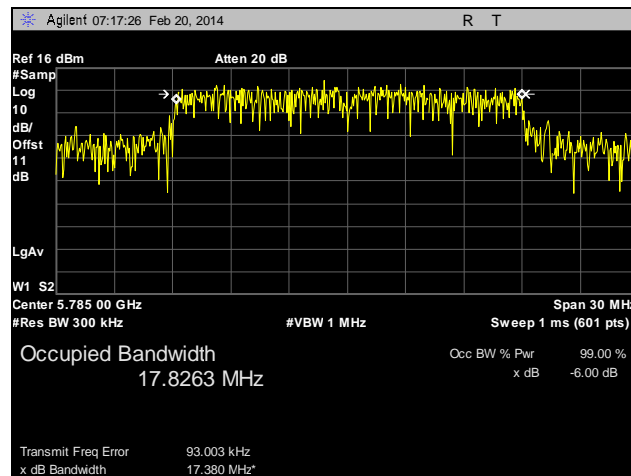
Plot 81. 99% Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 0



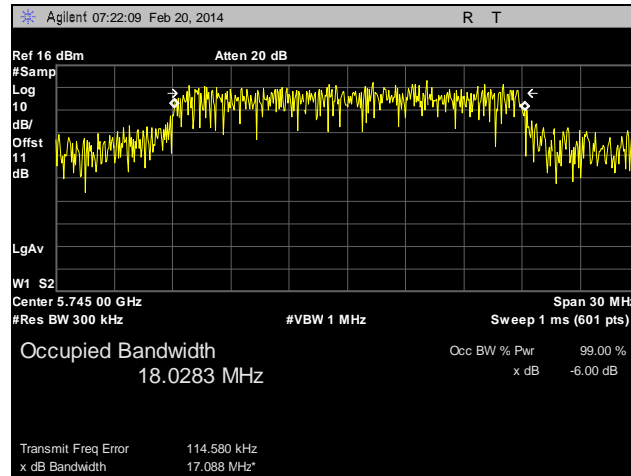
Plot 82. 99% Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 1



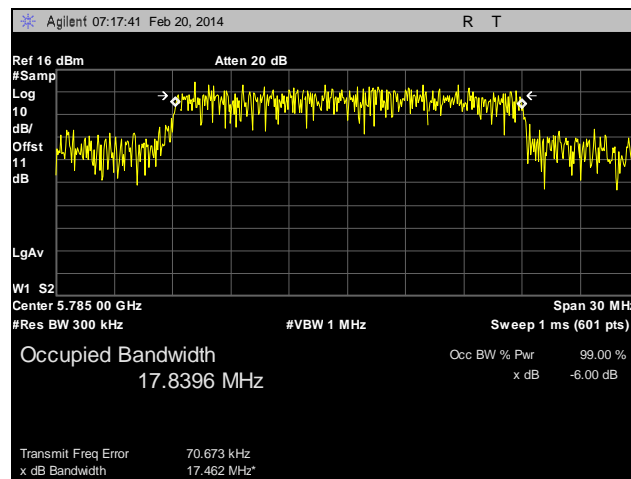
Plot 83. 99% Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 1



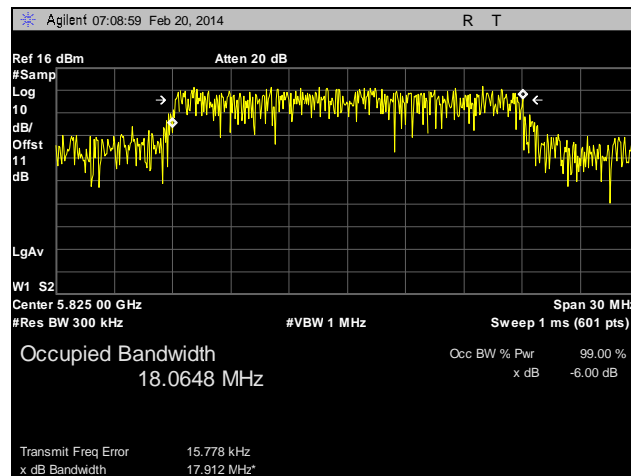
Plot 84. 99% Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 1



Plot 85. 99% Occupied Bandwidth, Low Channel, 802.11n 20 MHz, Ant. 2

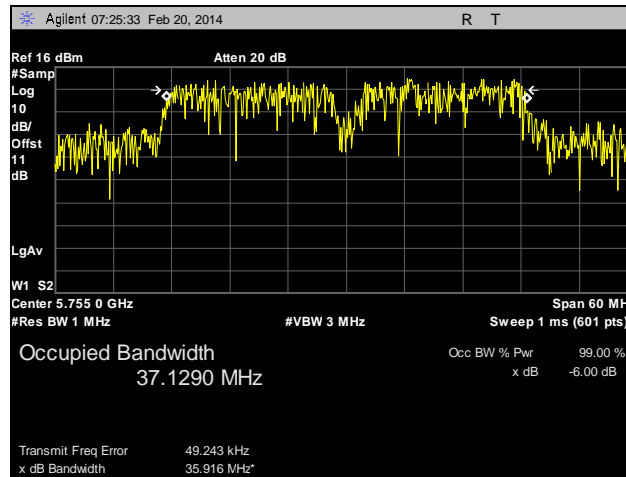


Plot 86. 99% Occupied Bandwidth, Mid Channel, 802.11n 20 MHz, Ant. 2

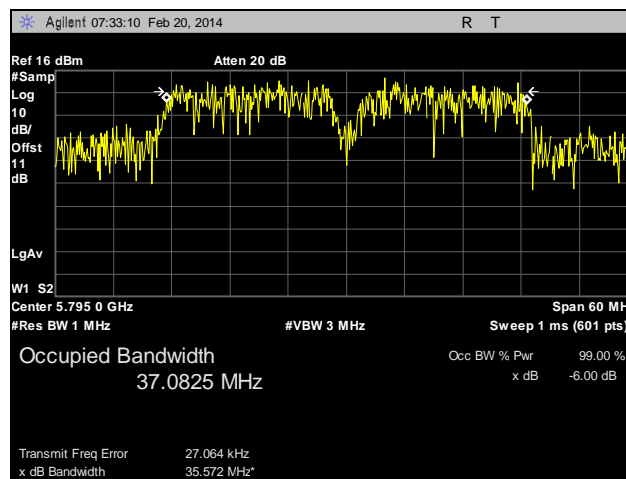


Plot 87. 99% Occupied Bandwidth, High Channel, 802.11n 20 MHz, Ant. 2

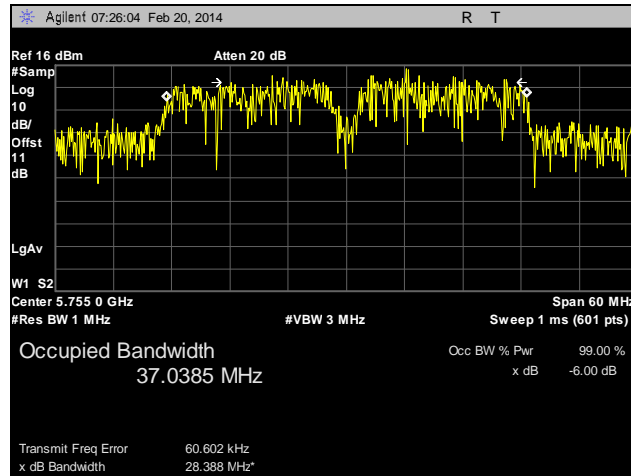
99% Occupied Bandwidth Test Results, 802.11a 40 MHz



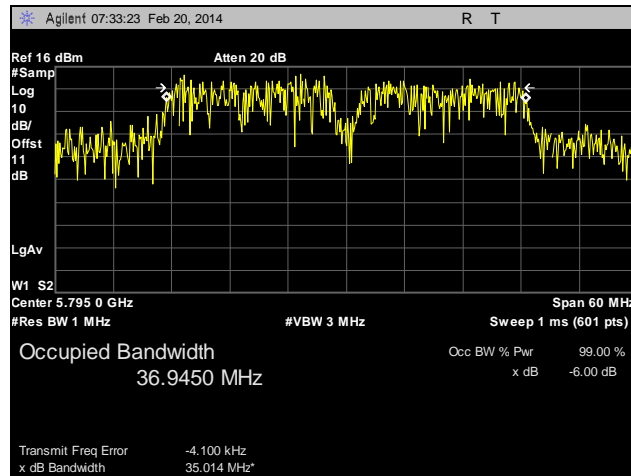
Plot 88. 99% Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 0



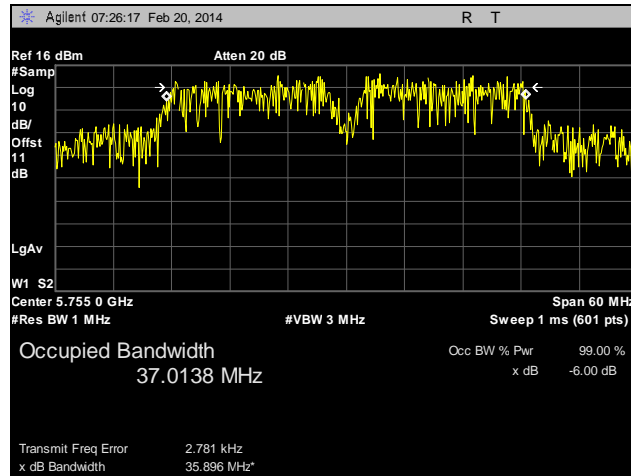
Plot 89. 99% Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 0



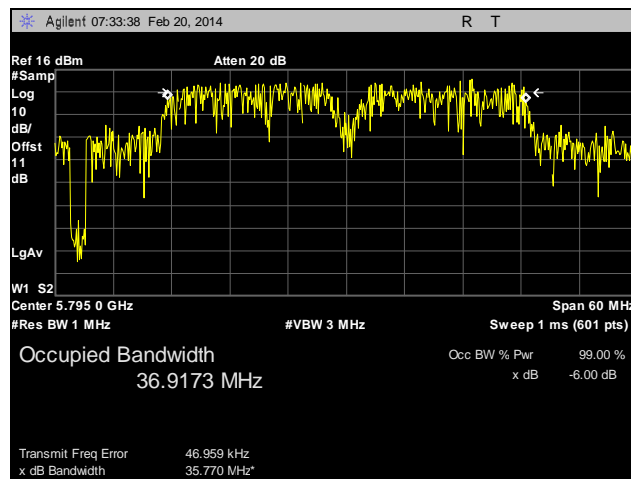
Plot 90. 99% Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 1



Plot 91. 99% Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 1

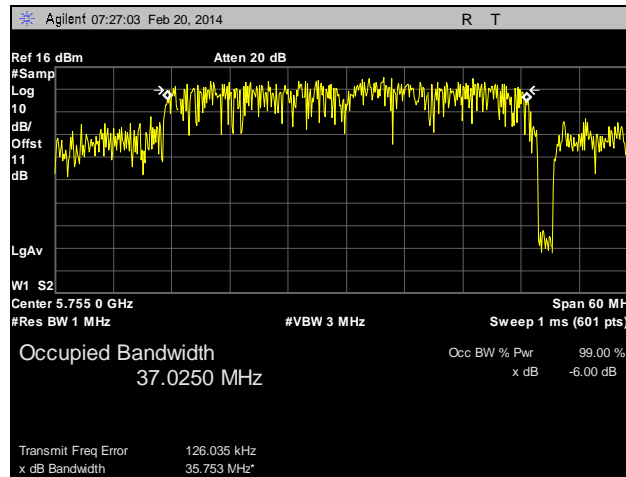


Plot 92. 99% Occupied Bandwidth, Low Channel, 802.11a 40 MHz, Ant. 2

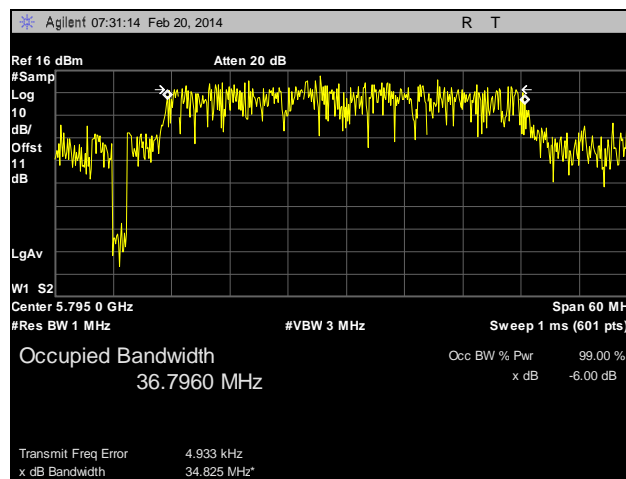


Plot 93. 99% Occupied Bandwidth, High Channel, 802.11a 40 MHz, Ant. 2

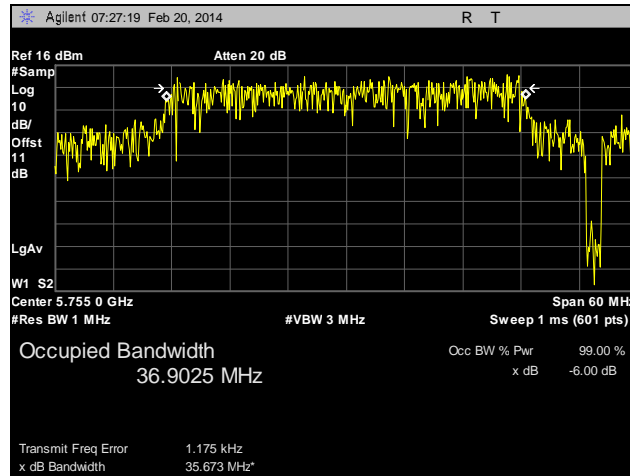
99% Occupied Bandwidth Test Results, 802.11ac 40 MHz



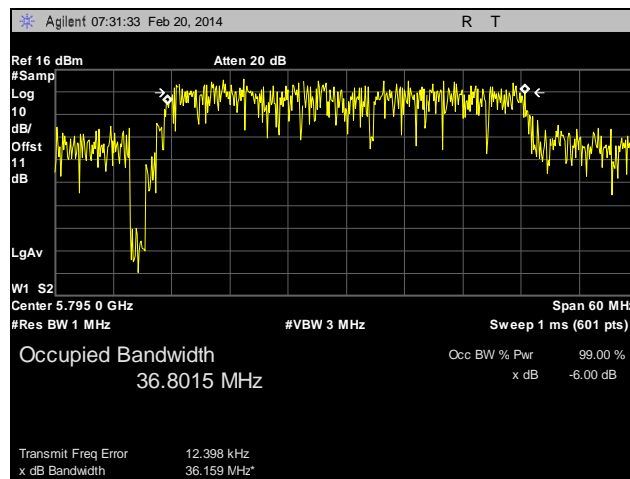
Plot 94. 99% Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 0



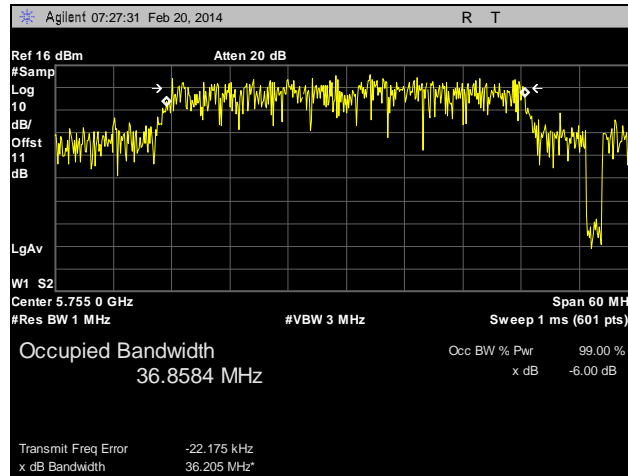
Plot 95. 99% Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 0



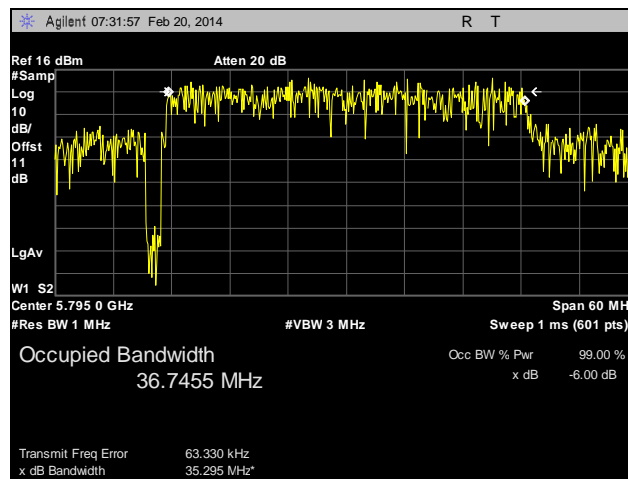
Plot 96. 99% Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 1



Plot 97. 99% Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 1

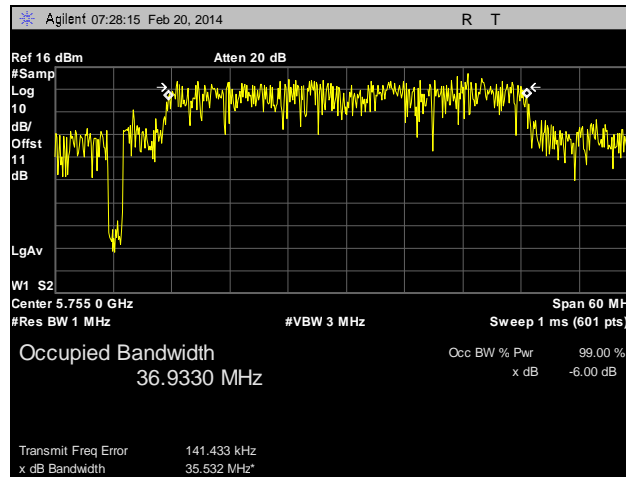


Plot 98. 99% Occupied Bandwidth, Low Channel, 802.11ac 40 MHz, Ant. 2

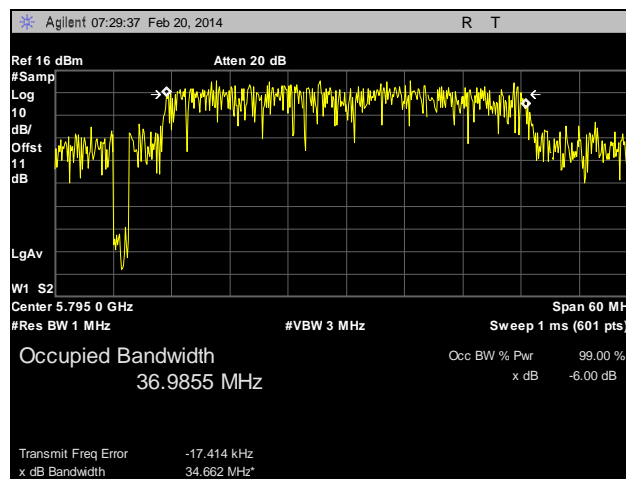


Plot 99. 99% Occupied Bandwidth, High Channel, 802.11ac 40 MHz, Ant. 2

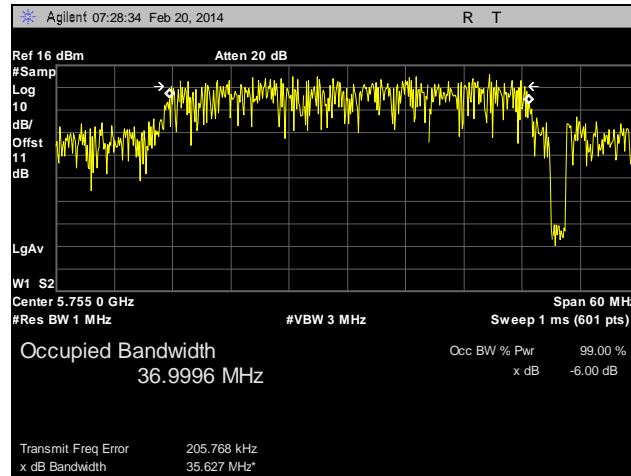
99% Occupied Bandwidth Test Results, 802.11n 40 MHz



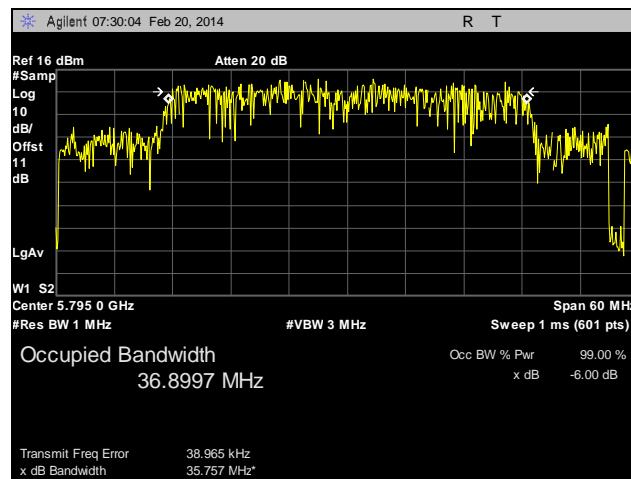
Plot 100. 99% Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 0



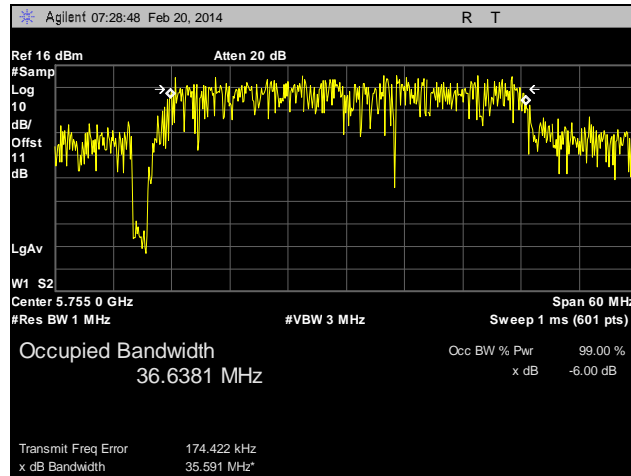
Plot 101. 99% Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 0



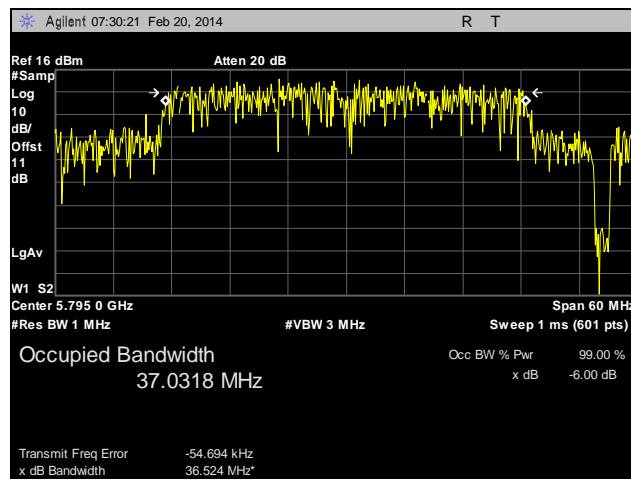
Plot 102. 99% Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 1



Plot 103. 99% Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 1

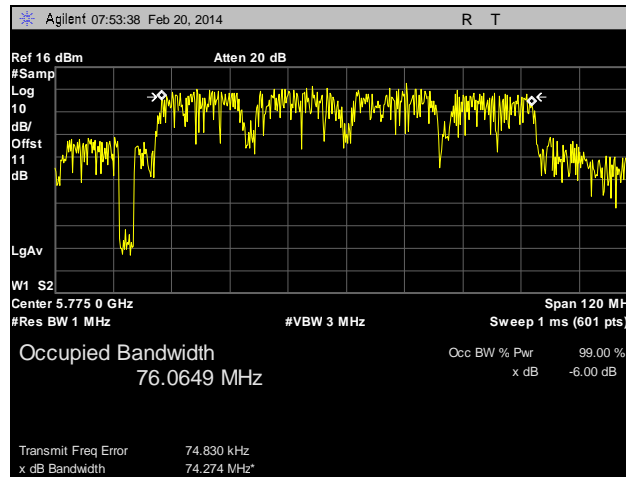


Plot 104. 99% Occupied Bandwidth, Low Channel, 802.11n 40 MHz, Ant. 2

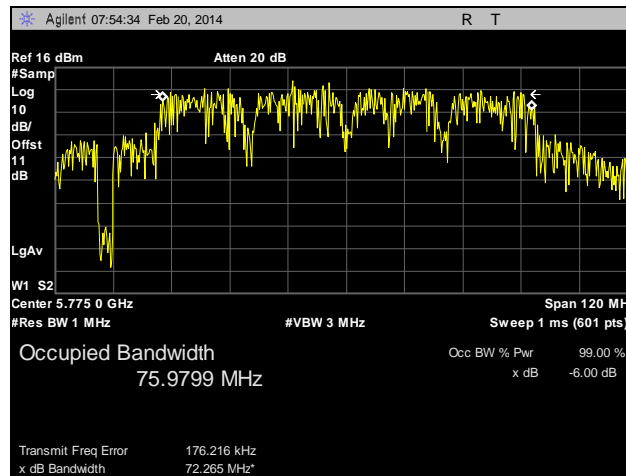


Plot 105. 99% Occupied Bandwidth, High Channel, 802.11n 40 MHz, Ant. 2

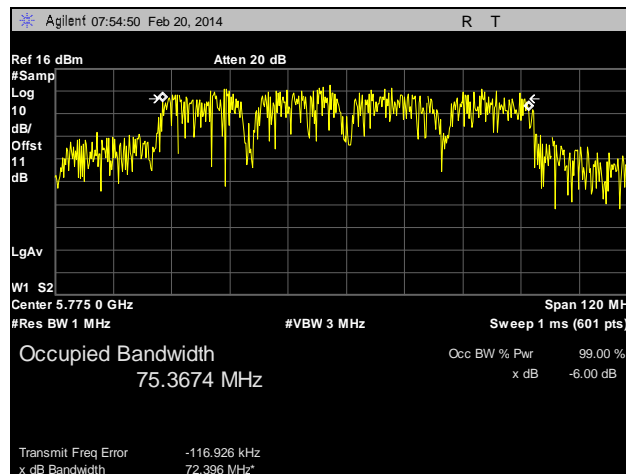
99% Occupied Bandwidth Test Results, 802.11a 80 MHz



Plot 106. 99% Occupied Bandwidth, 802.11a 80 MHz, Ant. 0

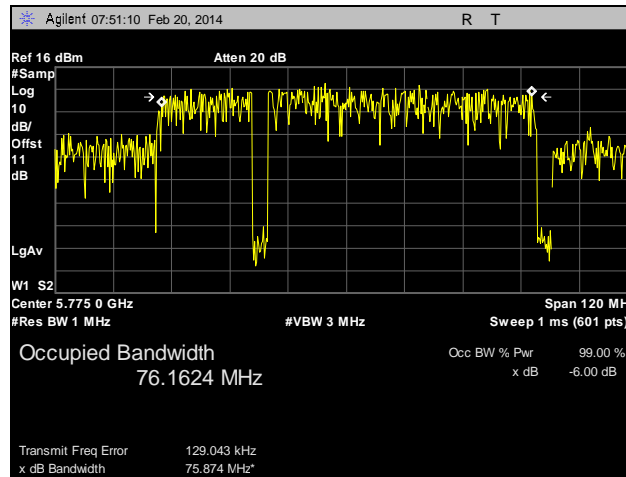


Plot 107. 99% Occupied Bandwidth, 802.11a 80 MHz, Ant. 1

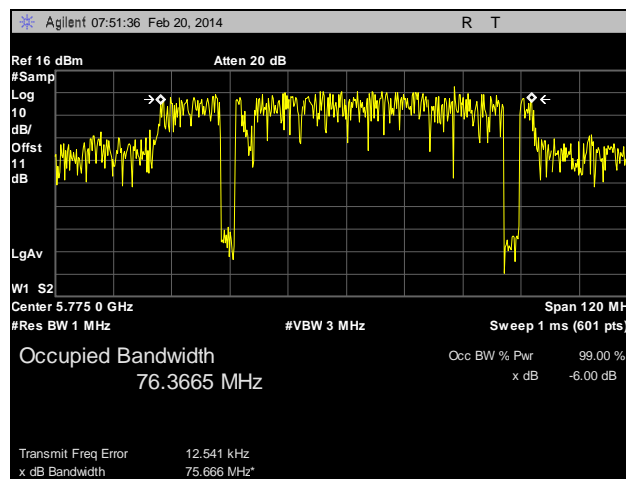


Plot 108. 99% Occupied Bandwidth, 802.11a 80 MHz, Ant. 2

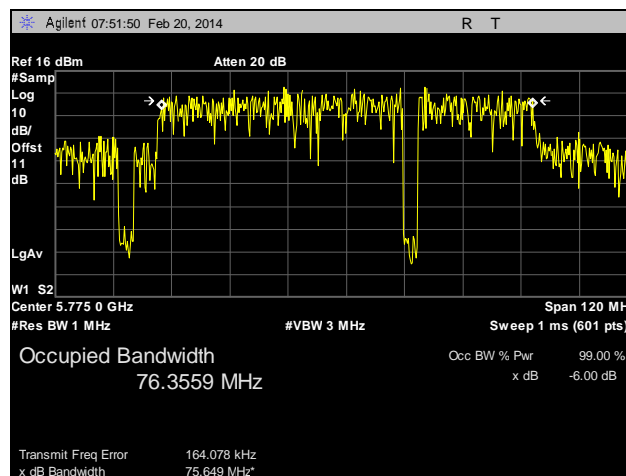
99% Occupied Bandwidth Test Results, 802.11ac 80 MHz



Plot 109. 99% Occupied Bandwidth, 802.11ac 80 MHz, Ant. 0



Plot 110. 99% Occupied Bandwidth, 802.11ac 80 MHz, Ant. 1



Plot 111. 99% Occupied Bandwidth, 802.11ac 80 MHz, Ant. 2

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 63. Output Power Requirements from §15.247(b)

§15.247(b)(4): The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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.

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

Test Engineer(s): Surinder Singh

Test Date(s): 02/20/14

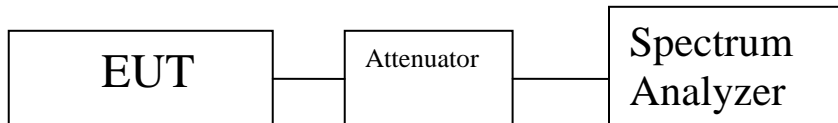


Figure 2. Peak Power Output Test Setup

Peak Power Output Test Results

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	27.09
Mid	5785	27.17
High	5825	26.65

Table 64. Peak Power Output, Test Results, 802.11a 20 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	23.14
Mid	5785	24.66
High	5825	24.41

Table 65. Peak Power Output, Test Results, 802.11a 20 MHz, Ant. 1

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	25.46
Mid	5785	25.74
High	5825	25.18

Table 66. Peak Power Output, Test Results, 802.11a 20 MHz, Ant. 2

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	27.05
Mid	5785	27.38
High	5825	27.19

Table 67. Peak Power Output, Test Results, 802.11ac 20 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	23.05
Mid	5785	24.95
High	5825	24.29

Table 68. Peak Power Output, Test Results, 802.11ac 20 MHz, Ant. 1

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	25.33
Mid	5785	26.01
High	5825	25.22

Table 69. Peak Power Output, Test Results, 802.11ac 20 MHz, Ant. 2

Peak Conducted Output Power								
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm) Ant0	Measured Peak Output Power (dBm) Ant1	Measured Peak Output Power (dBm) Ant2	Total Peak Output Power (dBm)	Antenna gain (dBi)	Conducted Power Limit (dBm)	Margin (dB)
Low	5745	22.5	22.58	22.11	27.17	8.71	27.29	-0.11
Mid	5785	22.12	21.78	22.35	26.86	8.71	27.29	-0.42
High	5825	22.06	21.99	22.32	26.89	8.71	27.29	-0.39

Table 70. Peak Power Output, Test Results, 802.11ac 20 MHz, MIMO

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	27.15
Mid	5785	27.10
High	5825	27.42

Table 71. Peak Power Output, Test Results, 802.11n 20 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	23.14
Mid	5785	25.03
High	5825	24.67

Table 72. Peak Power Output, Test Results, 802.11n 20 MHz, Ant. 1

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5745	25.59
Mid	5785	25.93
High	5825	25.45

Table 73. Peak Power Output, Test Results, 802.11n 20 MHz, Ant. 2

Peak Conducted Output Power								
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm) Ant0	Measured Peak Output Power (dBm) Ant1	Measured Peak Output Power (dBm) Ant2	Total Peak Output Power (dBm)	Antenna gain (dBi)	Conducted Power Limit (dBm)	Margin (dB)
Low	5745	22.45	22.88	22.12	27.26	8.71	27.29	-0.02
Mid	5785	22.09	21.7	22.08	26.73	8.71	27.29	-0.55
High	5825	22.37	22.41	22.14	27.07	8.71	27.29	-0.21

Table 74. Peak Power Output, Test Results, 802.11n 20 MHz, MIMO

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5755	27.12
High	5795	26.74

Table 75. Peak Power Output, Test Results, 802.11a 40 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	Low	24.75
High	5795	24.27

Table 76. Peak Power Output, Test Results, 802.11a 40 MHz, Ant. 1

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5755	25.32
High	5795	25.22

Table 77. Peak Power Output, Test Results, 802.11a 40 MHz, Ant. 2

Peak Conducted Output Power								
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm) Ant0	Measured Peak Output Power (dBm) Ant1	Measured Peak Output Power (dBm) Ant2	Total Peak Output Power (dBm)	Antenna gain (dBi)	Conducted Power Limit (dBm)	Margin (dB)
Low	5745	21.96	22.43	22.2	26.97	8.71	27.29	-0.31
High	5825	22.2	22.29	22.28	27.02	8.71	27.29	-0.26

Table 78. Peak Power Output, Test Results, 802.11ac 40 MHz, MIMO

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5755	26.72
High	5795	26.97

Table 79. Peak Power Output, Test Results, 802.11n 40 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5755	24.70
High	5795	24.82

Table 80. Peak Power Output, Test Results, 802.11n 40 MHz, Ant. 1

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
Low	5755	25.31
High	5795	24.86

Table 81. Peak Power Output, Test Results, 802.11n 40 MHz, Ant. 2

Peak Conducted Output Power								
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm) Ant0	Measured Peak Output Power (dBm) Ant1	Measured Peak Output Power (dBm) Ant2	Total Peak Output Power (dBm)	Antenna gain (dBi)	Conducted Power Limit (dBm)	Margin (dB)
Low	5745	22.16	21.94	22	26.80	8.71	27.29	-0.48
High	5825	22.01	21.93	22.1	26.78	8.71	27.29	-0.50

Table 82. Peak Power Output, Test Results, 802.11n 40 MHz, MIMO

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
161	5775	27.81

Table 83. Peak Power Output, Test Results, 802.11a 80 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
161	5775	24.08

Table 84. Peak Power Output, Test Results, 802.11a 80 MHz, Ant. 1

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
161	5775	25.39

Table 85. Peak Power Output, Test Results, 802.11a 80 MHz, Ant. 2

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
161	5775	27.89

Table 86. Peak Power Output, Test Results, 802.11ac 80 MHz, Ant. 0

Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
161	5775	24.31

Table 87. Peak Power Output, Test Results, 802.11ac 80 MHz, Ant. 1

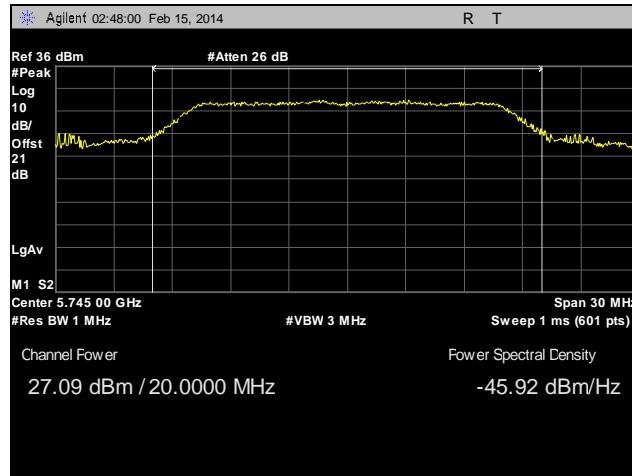
Peak Conducted Output Power		
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm)
161	5775	25.50

Table 88. Peak Power Output, Test Results, 802.11ac 80 MHz, Ant. 2

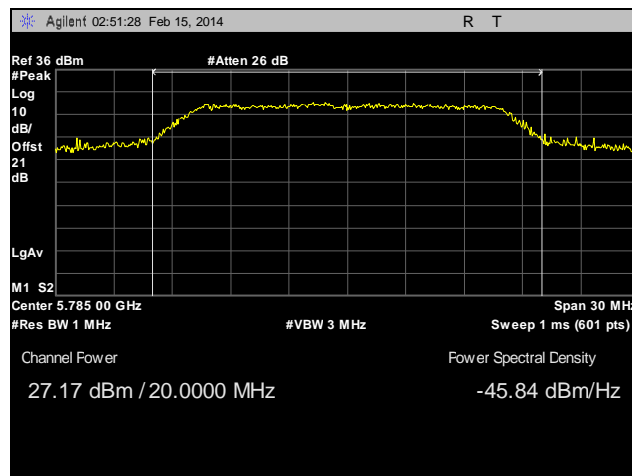
Peak Conducted Output Power								
Carrier Channel	Frequency (MHz)	Measured Peak Output Power (dBm) Ant0	Measured Peak Output Power (dBm) Ant1	Measured Peak Output Power (dBm) Ant2	Total Peak Output Power (dBm)	Antenna gain (dBi)	Conducted Power Limit (dBm)	Margin (dB)
161	5775	21.88	21.31	22.13	26.55	8.71	27.29	-0.73

Table 89. Peak Power Output, Test Results, 802.11ac 80 MHz, MIMO

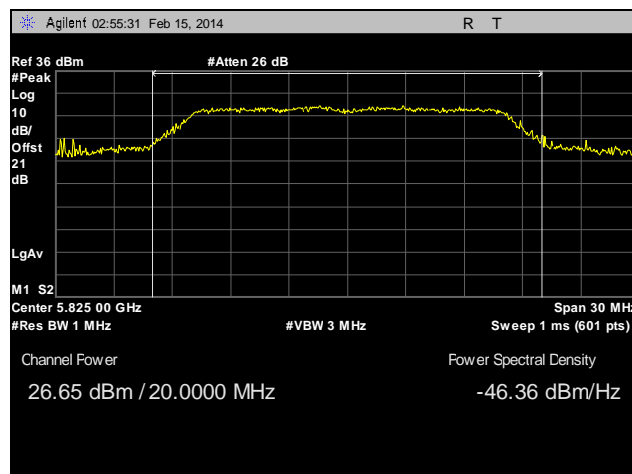
Peak Power Output Test Results, 802.11a 20 MHz



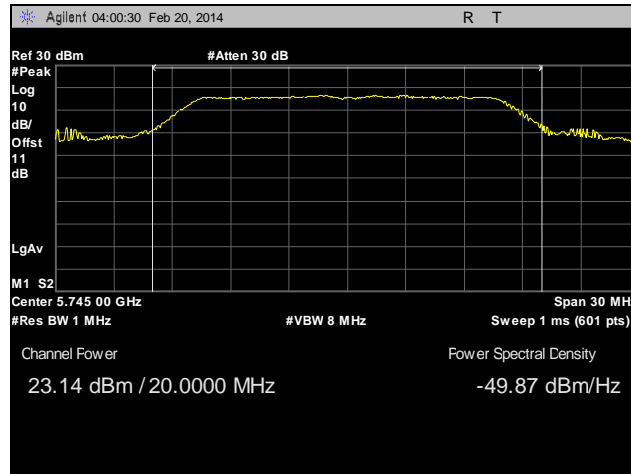
Plot 112. Peak Power Output, Low Channel, 802.11a 20 MHz, Ant. 0



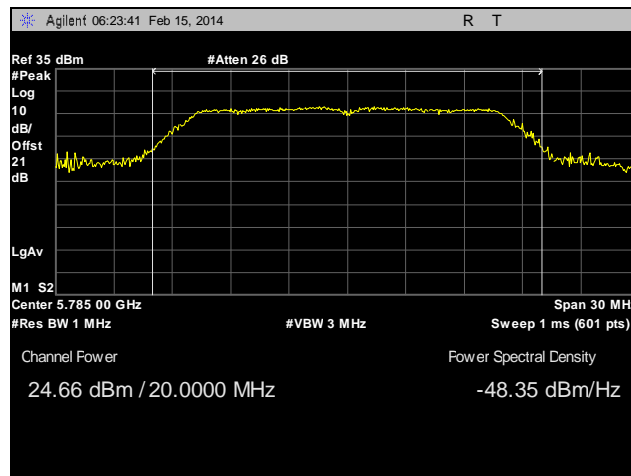
Plot 113. Peak Power Output, Mid Channel, 802.11a 20 MHz, Ant. 0



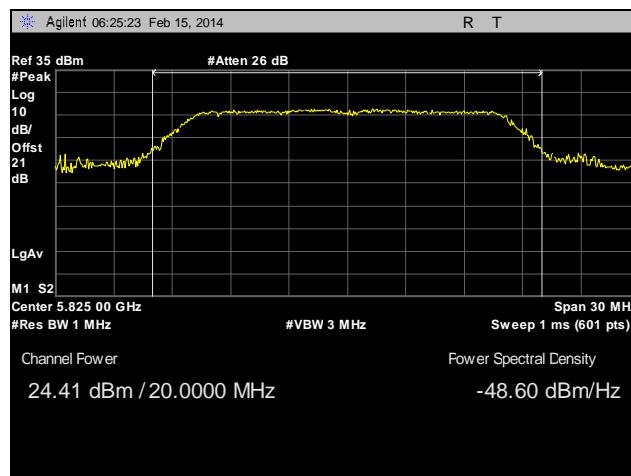
Plot 114. Peak Power Output, High Channel, 802.11a 20 MHz, Ant. 0



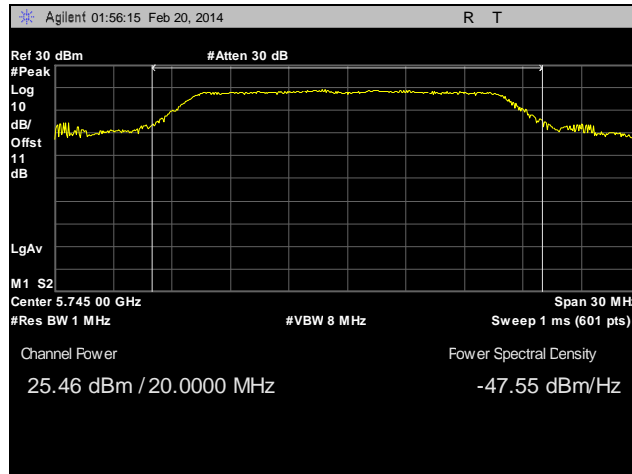
Plot 115. Peak Power Output, Low Channel, 802.11a 20 MHz, Ant. 1



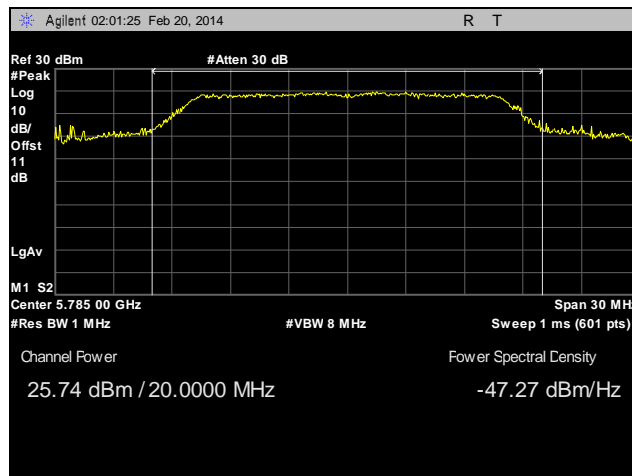
Plot 116. Peak Power Output, Mid Channel, 802.11a 20 MHz, Ant. 1



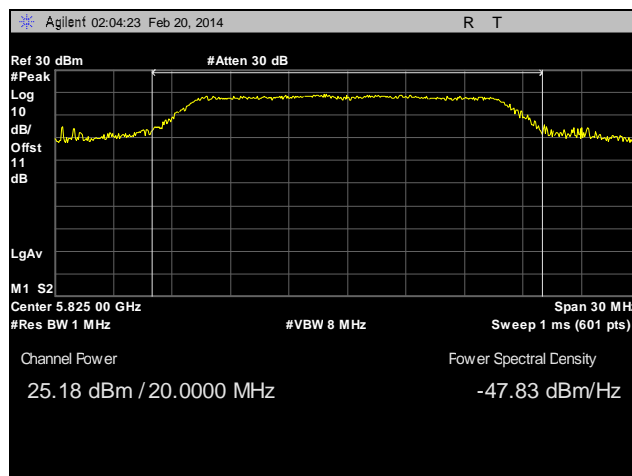
Plot 117. Peak Power Output, High Channel, 802.11a 20 MHz, Ant. 1



Plot 118. Peak Power Output, Low Channel, 802.11a 20 MHz, Ant. 2

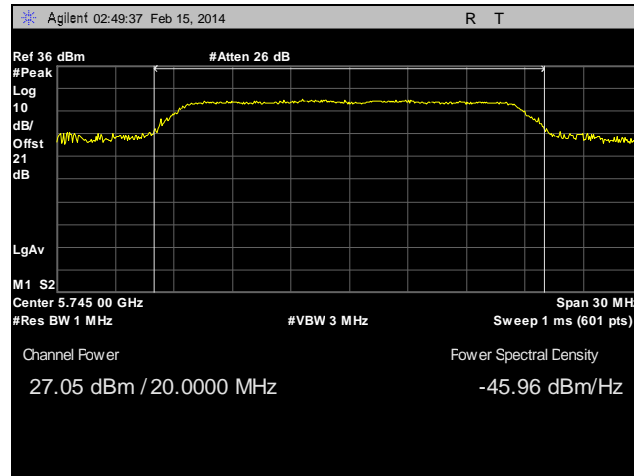


Plot 119. Peak Power Output, Mid Channel, 802.11a 20 MHz, Ant. 2

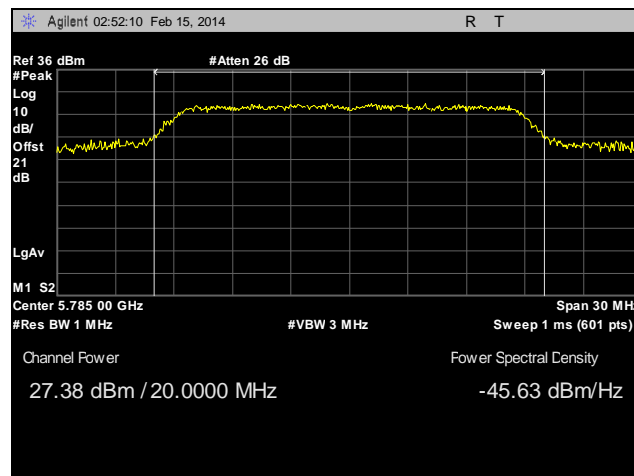


Plot 120. Peak Power Output, High Channel, 802.11a 20 MHz, Ant. 2

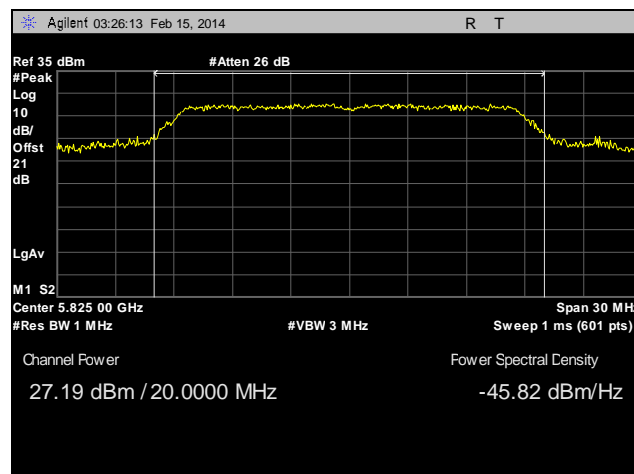
Peak Power Output Test Results, 802.11ac 20 MHz



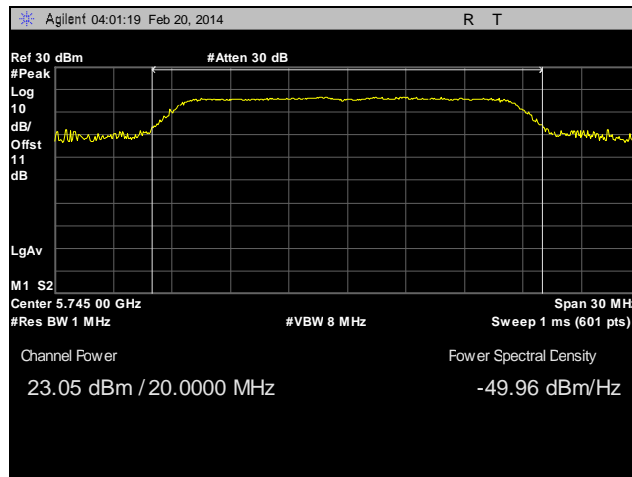
Plot 121. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 0



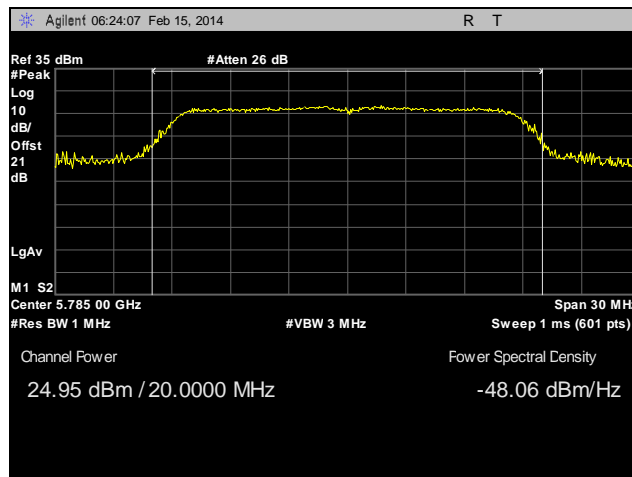
Plot 122. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 0



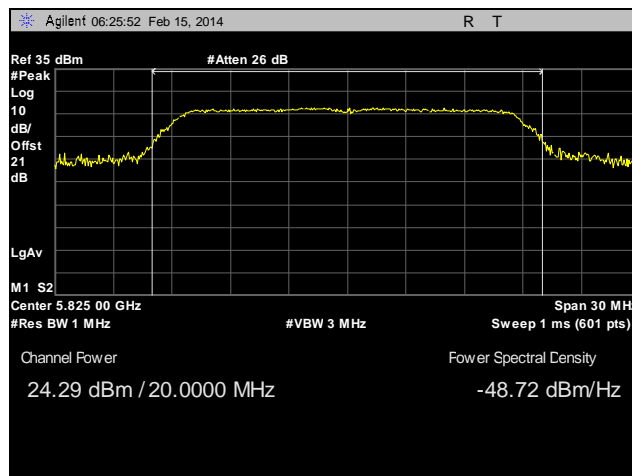
Plot 123. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 0



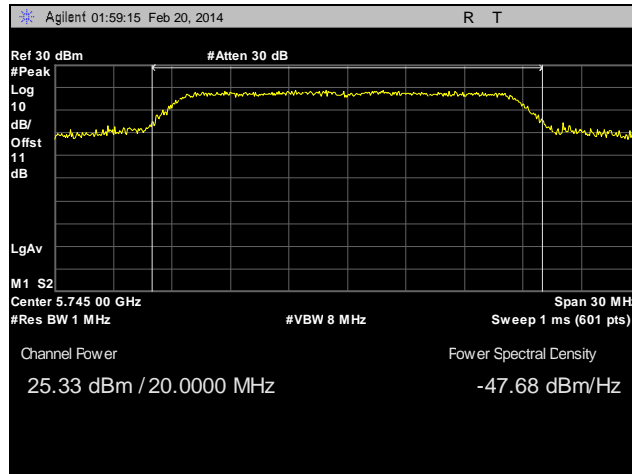
Plot 124. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 1



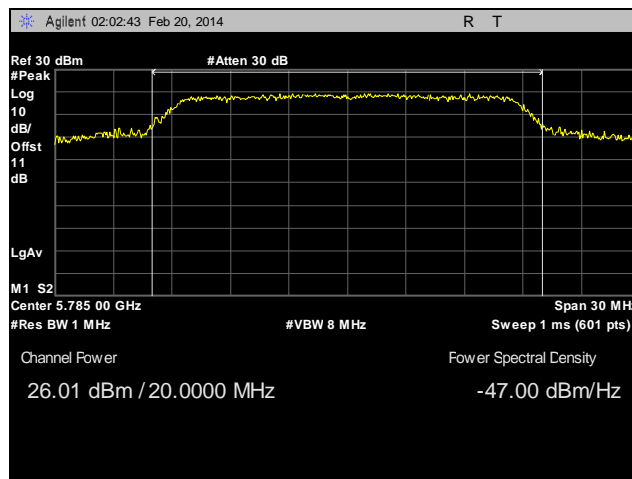
Plot 125. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 1



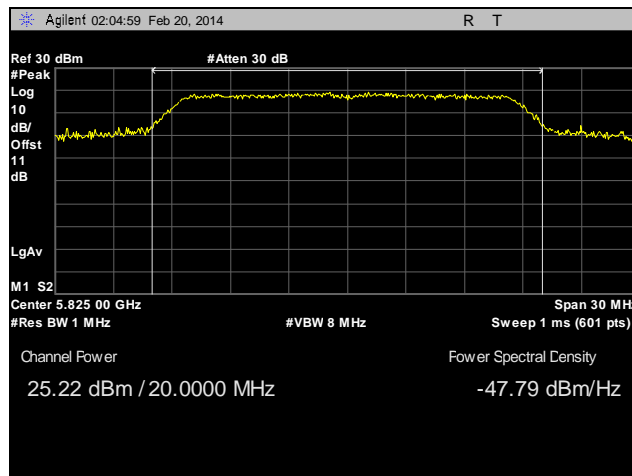
Plot 126. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 1



Plot 127. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 2

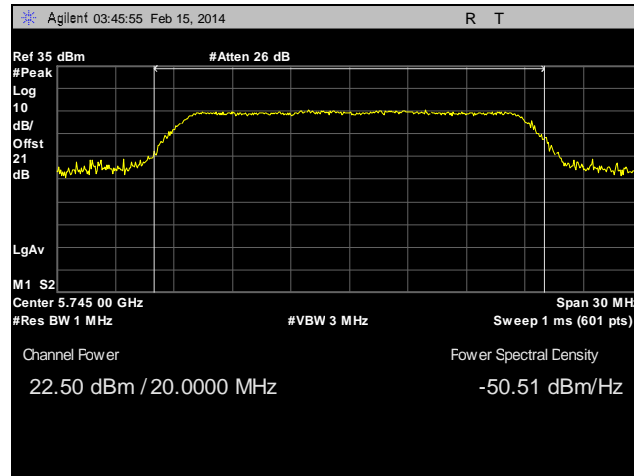


Plot 128. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 2

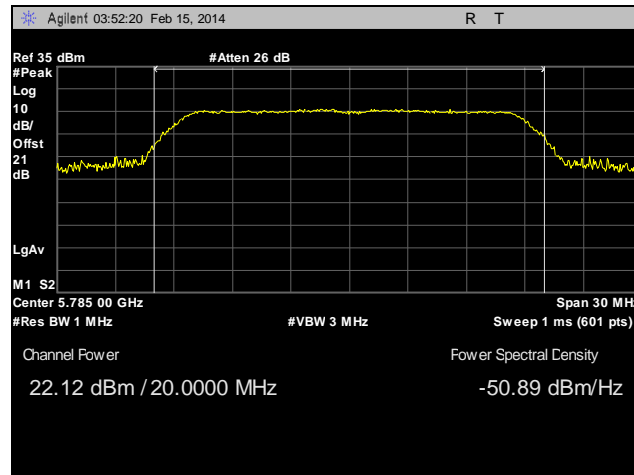


Plot 129. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 2

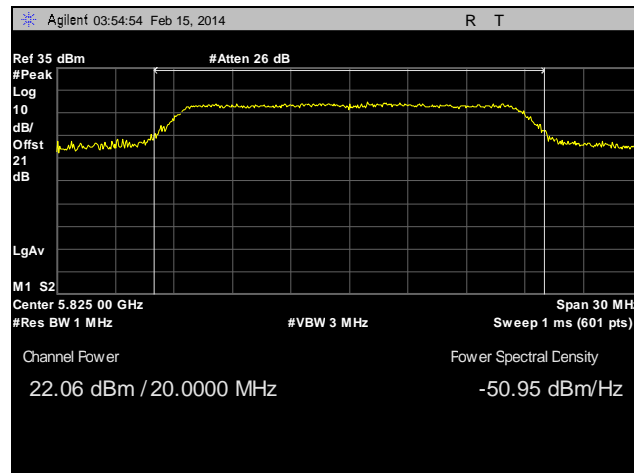
Peak Power Output Test Results, 802.11ac 20 MHz, MIMO



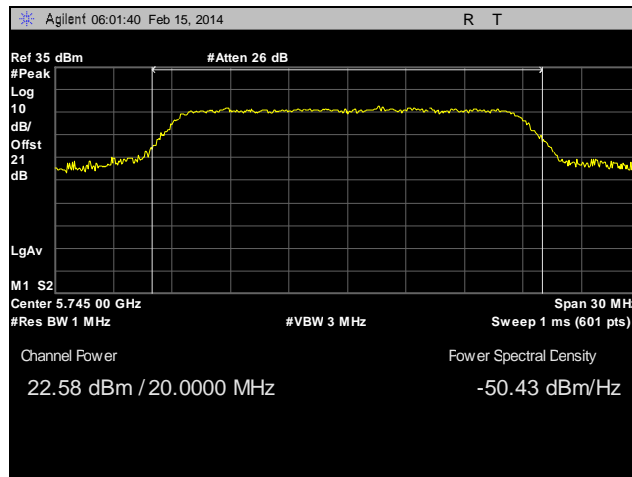
Plot 130. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 0, MIMO



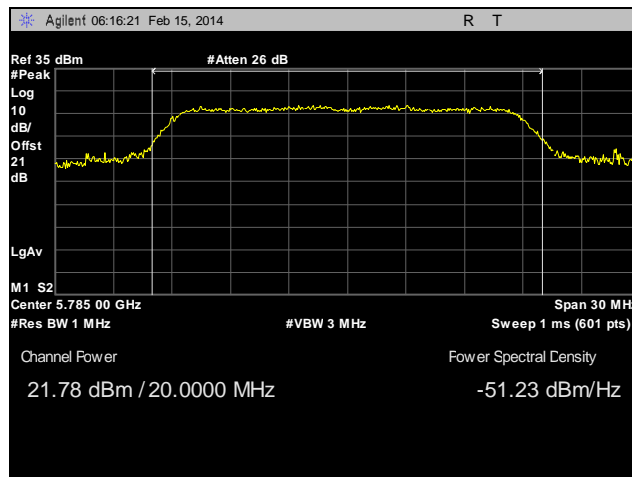
Plot 131. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 0, MIMO



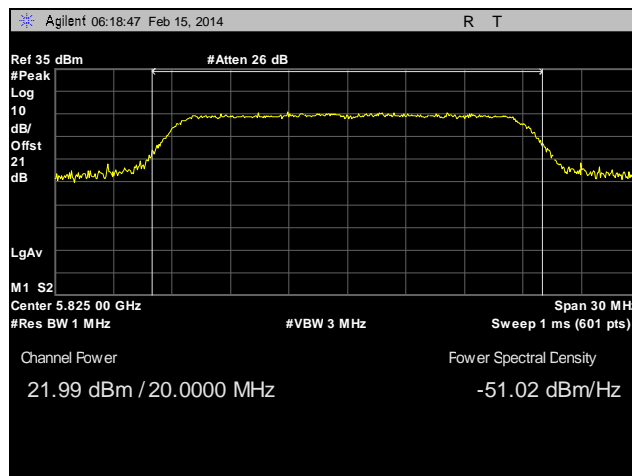
Plot 132. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 0, MIMO



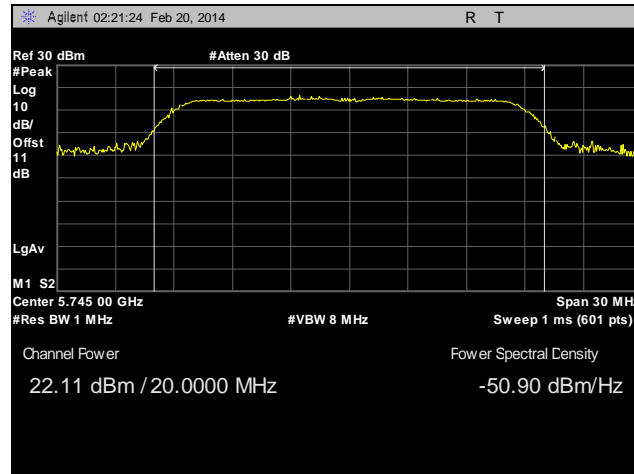
Plot 133. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 1, MIMO



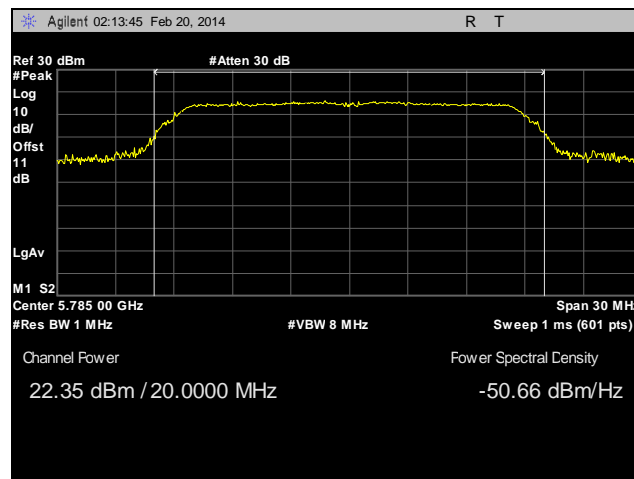
Plot 134. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 1, MIMO



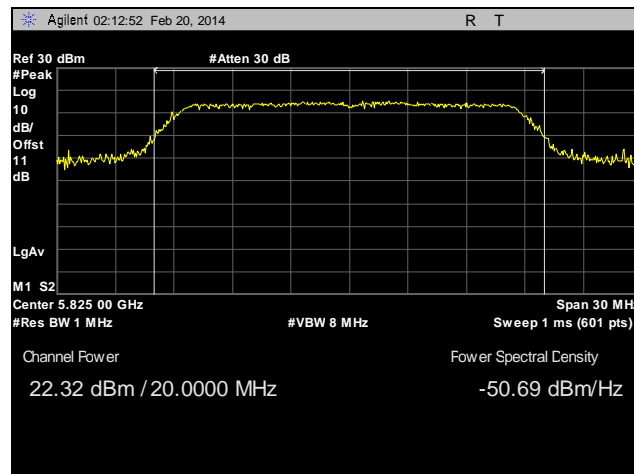
Plot 135. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 1, MIMO



Plot 136. Peak Power Output, Low Channel, 802.11ac 20 MHz, Ant. 2, MIMO

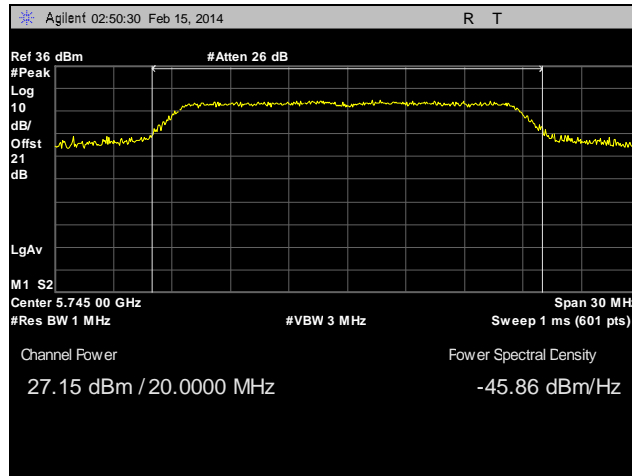


Plot 137. Peak Power Output, Mid Channel, 802.11ac 20 MHz, Ant. 2, MIMO

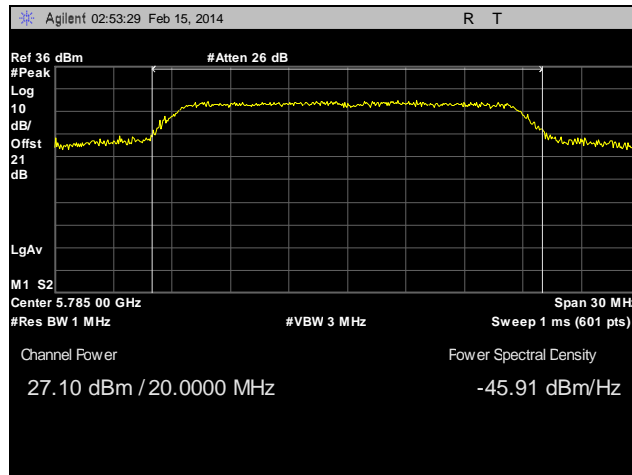


Plot 138. Peak Power Output, High Channel, 802.11ac 20 MHz, Ant. 2, MIMO

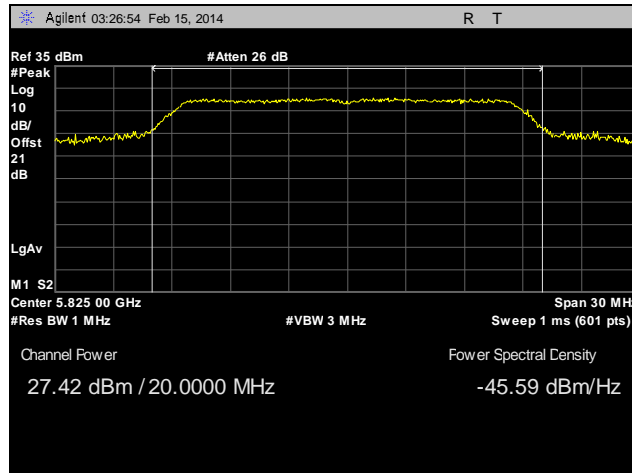
Peak Power Output Test Results, 802.11n 20 MHz



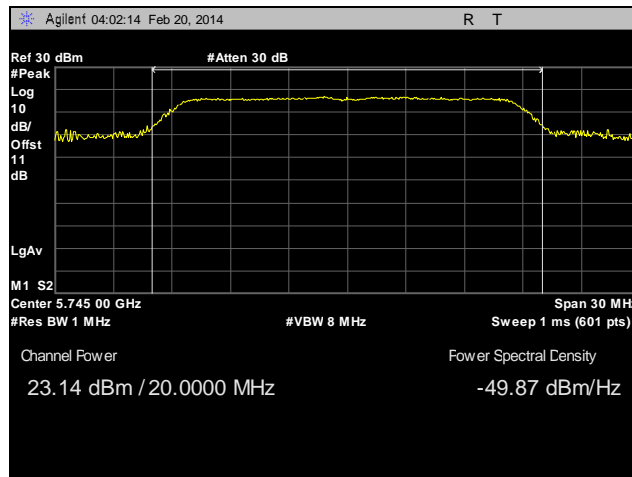
Plot 139. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 0



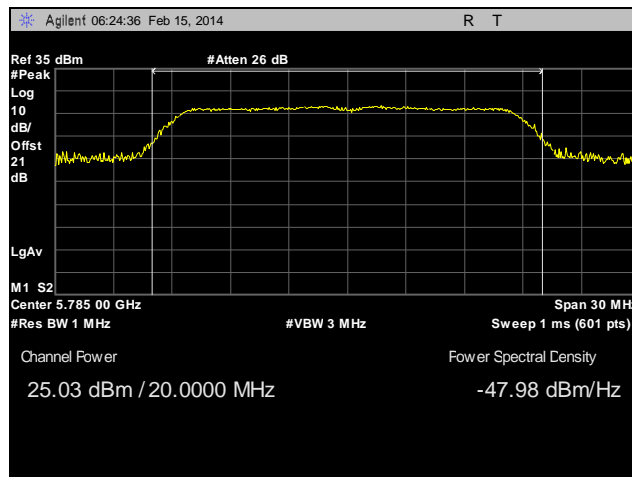
Plot 140. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 0



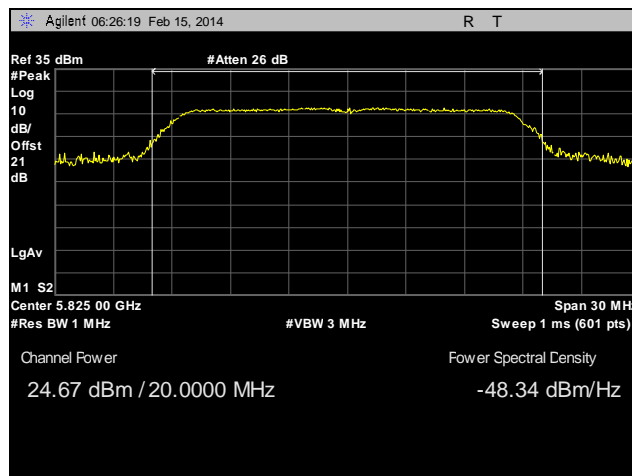
Plot 141. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 0



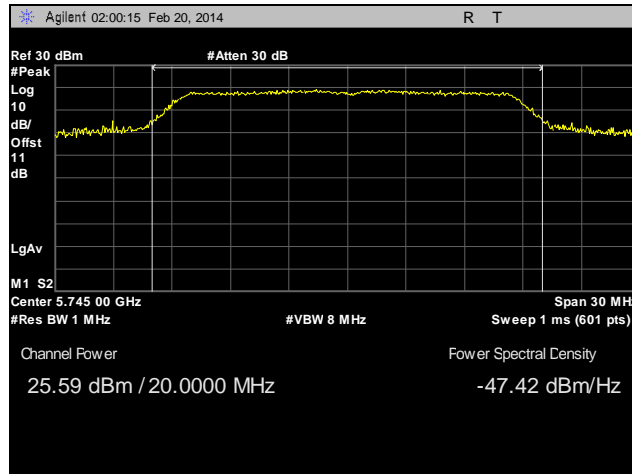
Plot 142. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 1



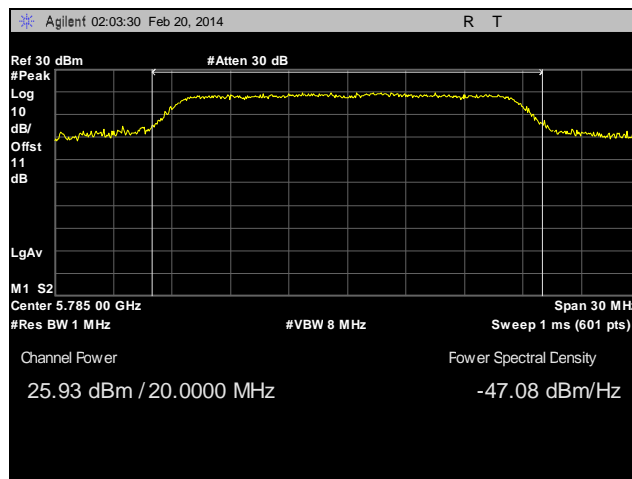
Plot 143. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 1



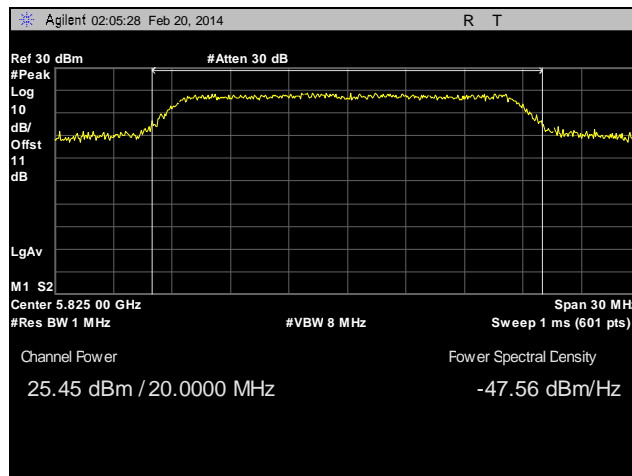
Plot 144. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 1



Plot 145. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 2

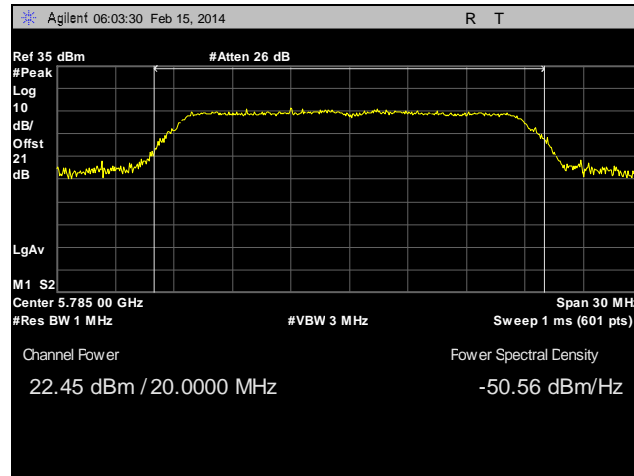


Plot 146. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 2

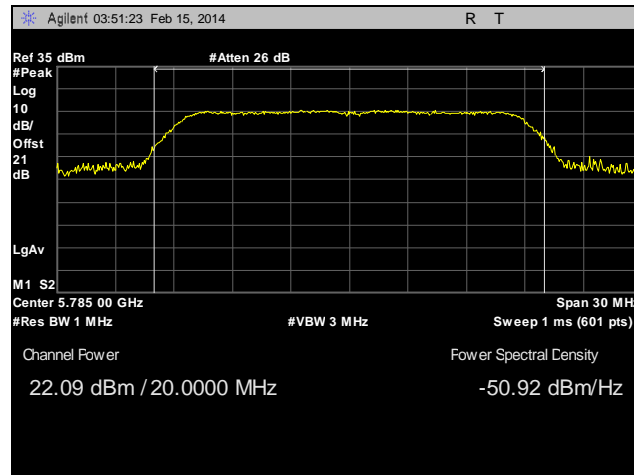


Plot 147. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 2

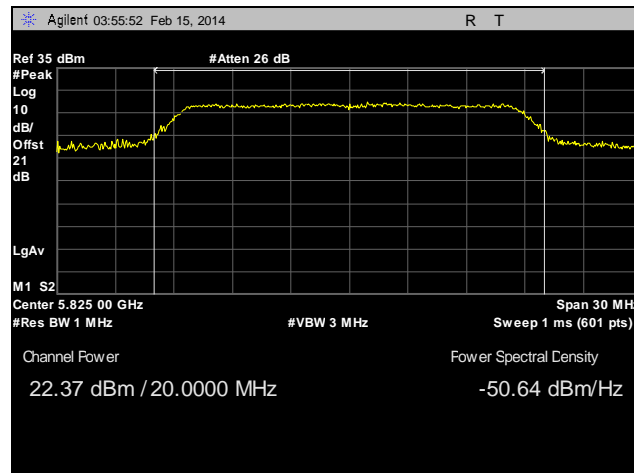
Peak Power Output Test Results, 802.11n 20 MHz, MIMO



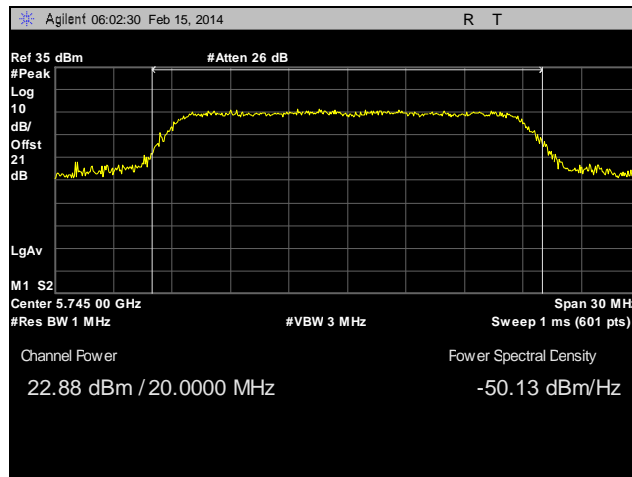
Plot 148. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 0, MIMO



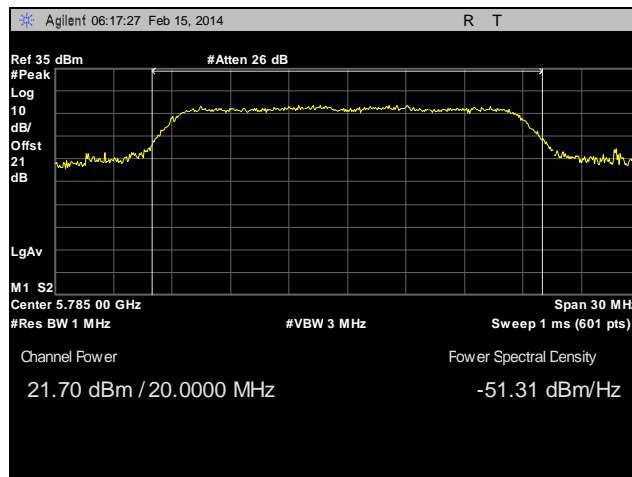
Plot 149. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 0, MIMO



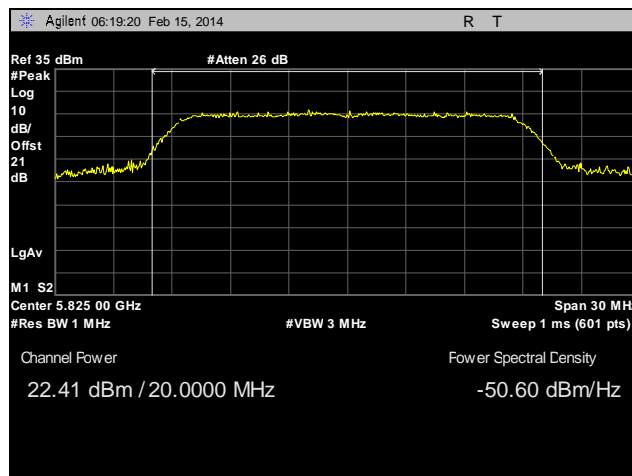
Plot 150. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 0, MIMO



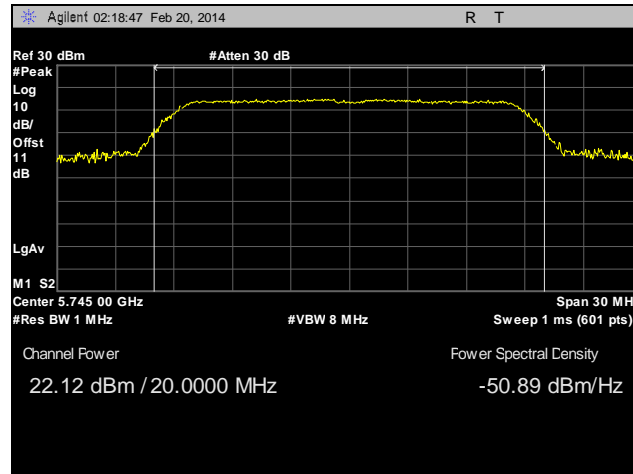
Plot 151. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 1, MIMO



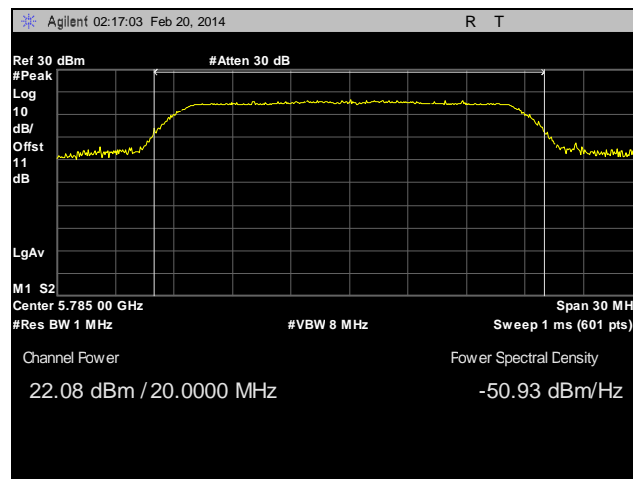
Plot 152. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 1, MIMO



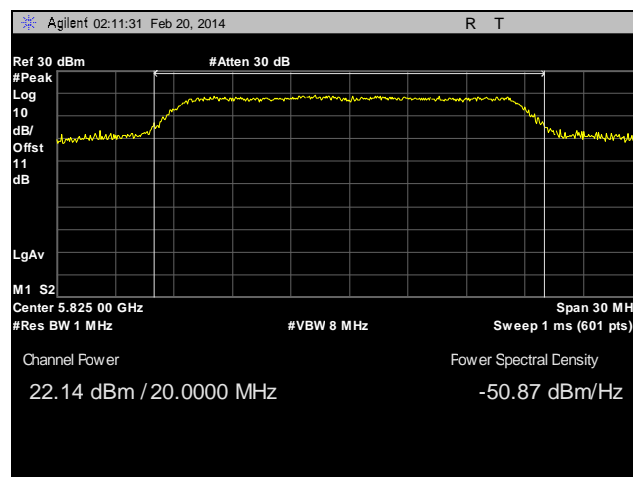
Plot 153. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 1, MIMO



Plot 154. Peak Power Output, Low Channel, 802.11n 20 MHz, Ant. 2, MIMO

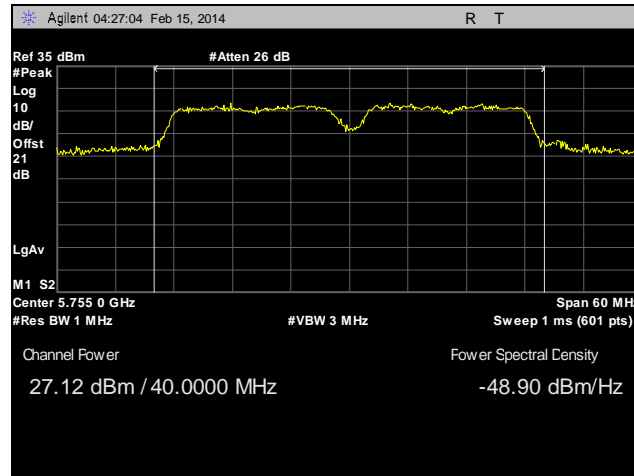


Plot 155. Peak Power Output, Mid Channel, 802.11n 20 MHz, Ant. 2, MIMO

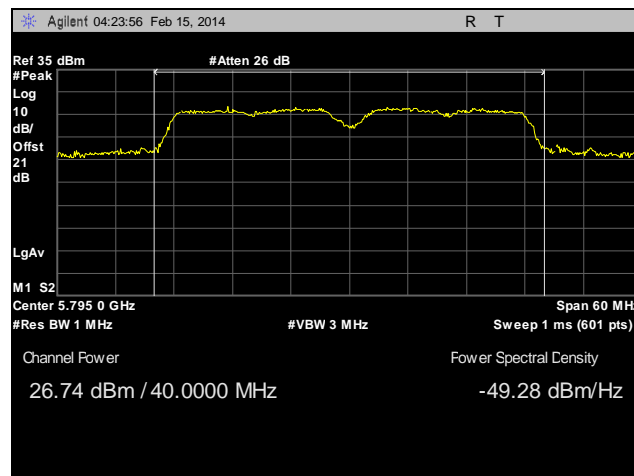


Plot 156. Peak Power Output, High Channel, 802.11n 20 MHz, Ant. 2, MIMO

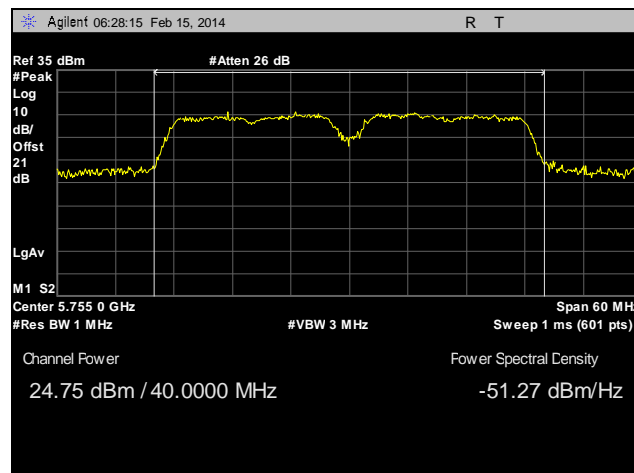
Peak Power Output Test Results, 802.11a 40 MHz



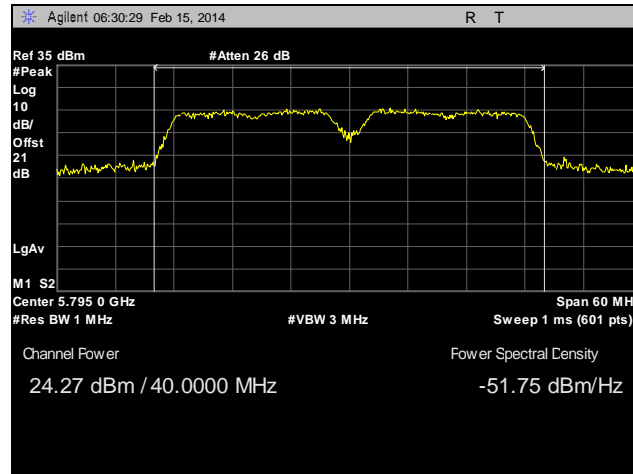
Plot 157. Peak Power Output, Low Channel, 802.11a 40 MHz, Ant. 0



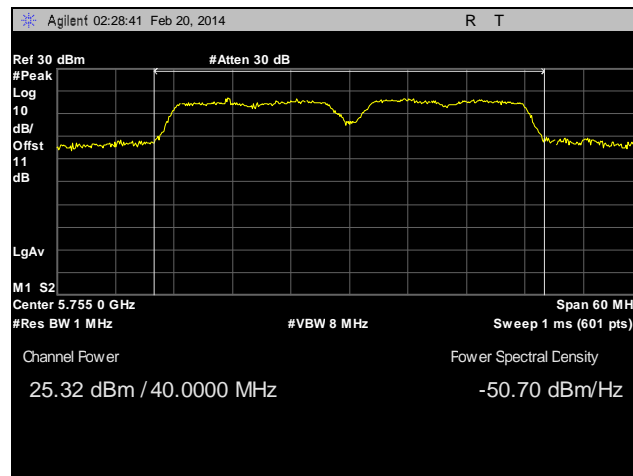
Plot 158. Peak Power Output, High Channel, 802.11a 40 MHz, Ant. 0



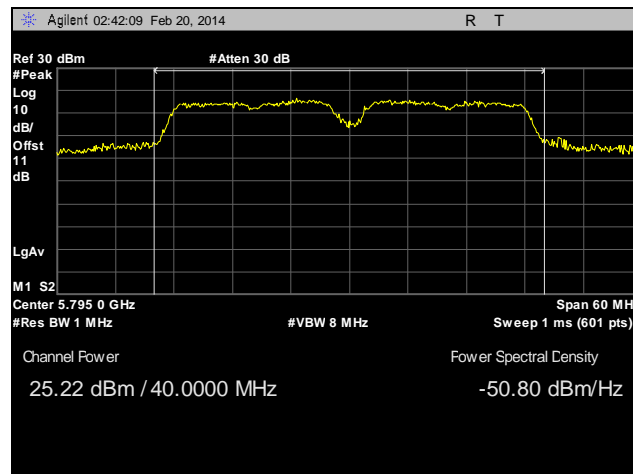
Plot 159. Peak Power Output, Low Channel, 802.11a 40 MHz, Ant. 1



Plot 160. Peak Power Output, High Channel, 802.11a 40 MHz, Ant. 1

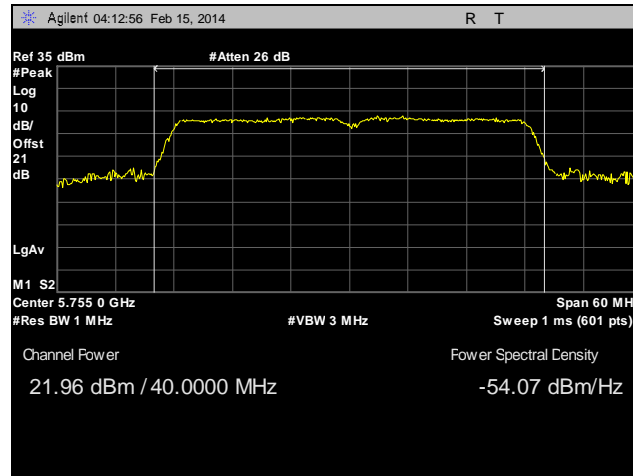


Plot 161. Peak Power Output, Low Channel, 802.11a 40 MHz, Ant. 2

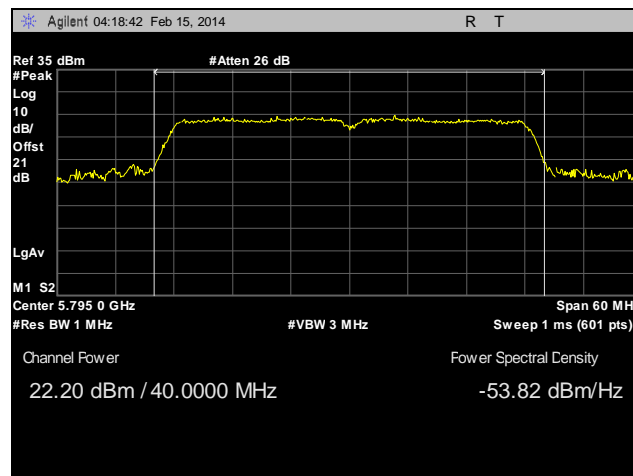


Plot 162. Peak Power Output, High Channel, 802.11a 40 MHz, Ant. 2

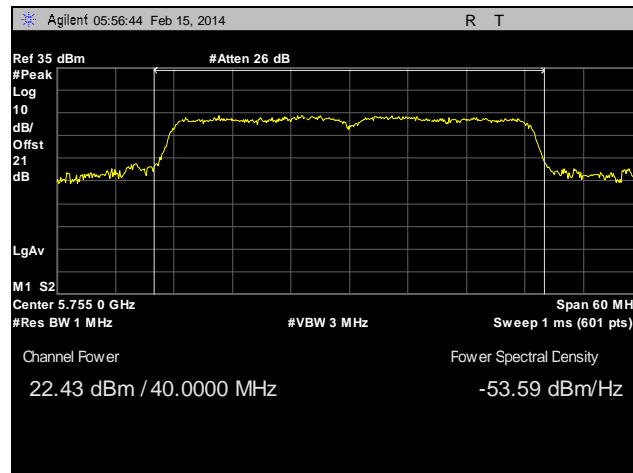
Peak Power Output Test Results, 802.11ac 40 MHz, MIMO



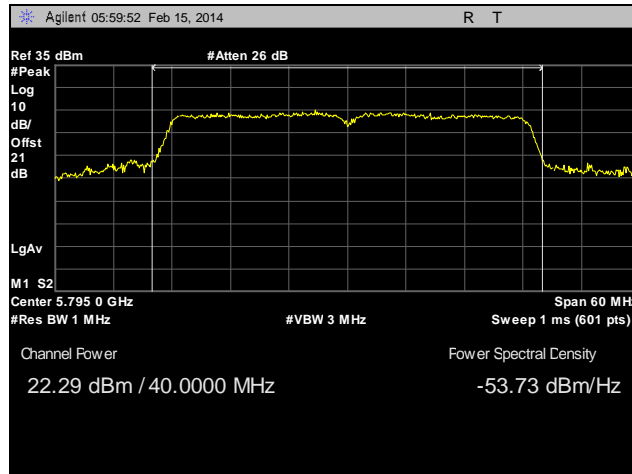
Plot 163. Peak Power Output, Low Channel, 802.11ac 40 MHz, Ant. 0, MIMO



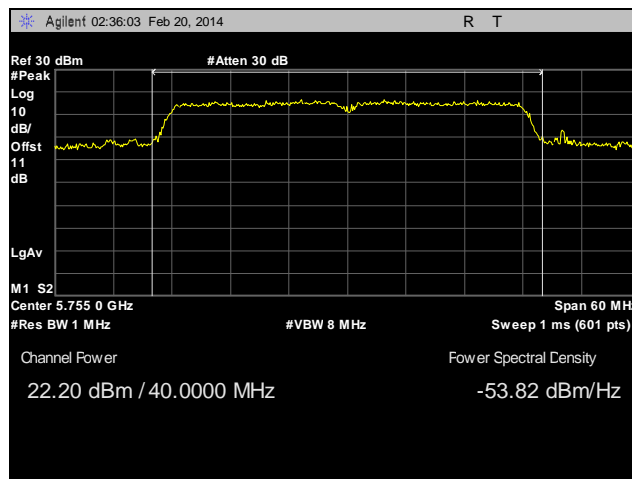
Plot 164. Peak Power Output, High Channel, 802.11ac 40 MHz, Ant. 0, MIMO



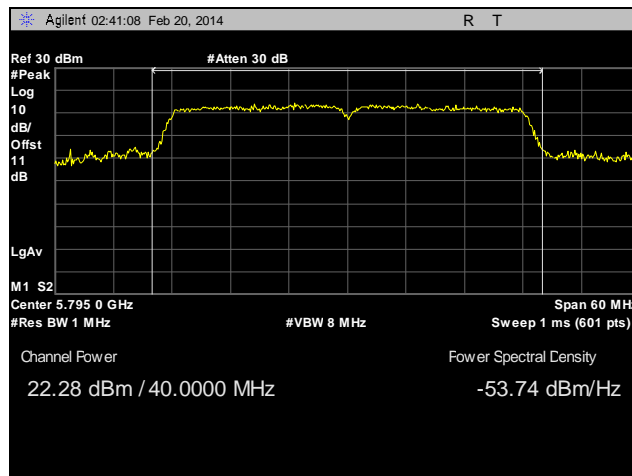
Plot 165. Peak Power Output, Low Channel, 802.11ac 40 MHz, Ant. 1, MIMO



Plot 166. Peak Power Output, High Channel, 802.11ac 40 MHz, Ant. 1, MIMO

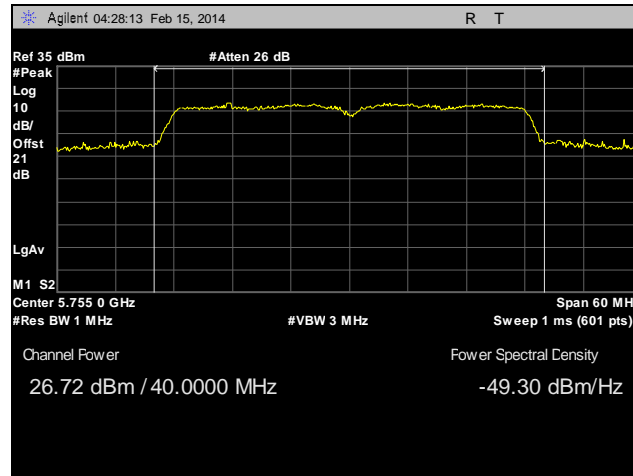


Plot 167. Peak Power Output, Low Channel, 802.11ac 40 MHz, Ant. 2, MIMO

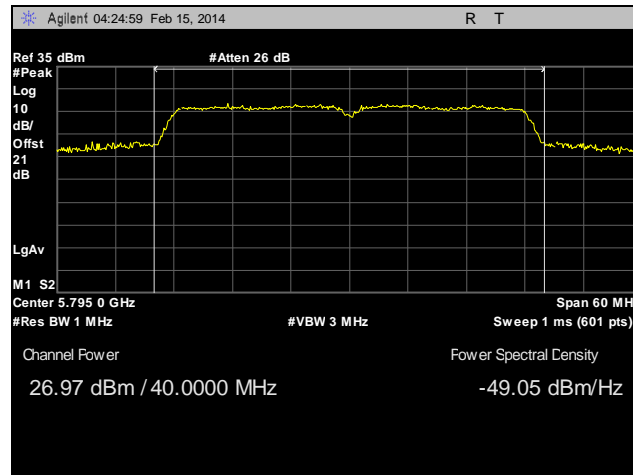


Plot 168. Peak Power Output, High Channel, 802.11ac 40 MHz, Ant. 2, MIMO

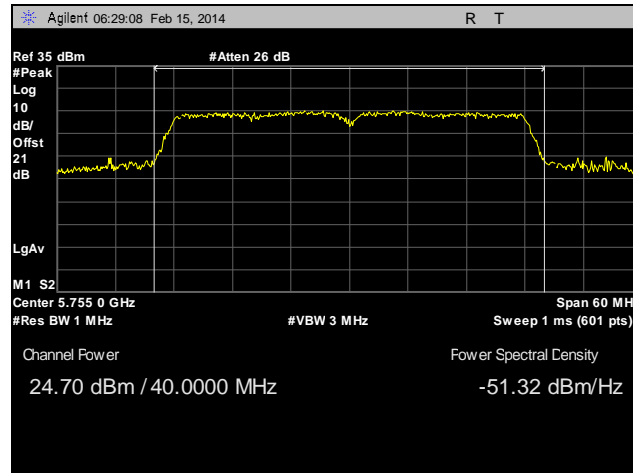
Peak Power Output Test Results, 802.11n 40 MHz



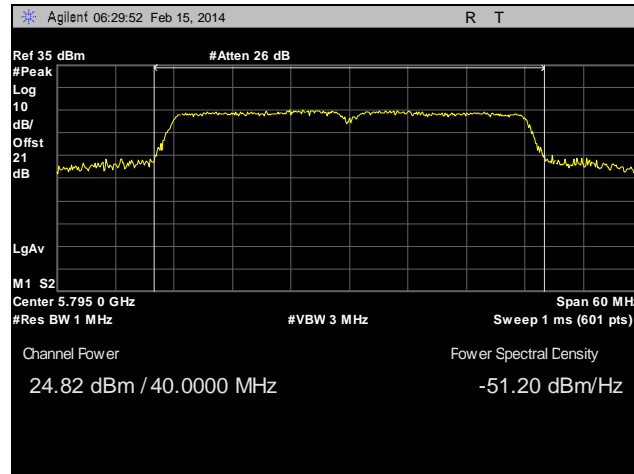
Plot 169. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 0



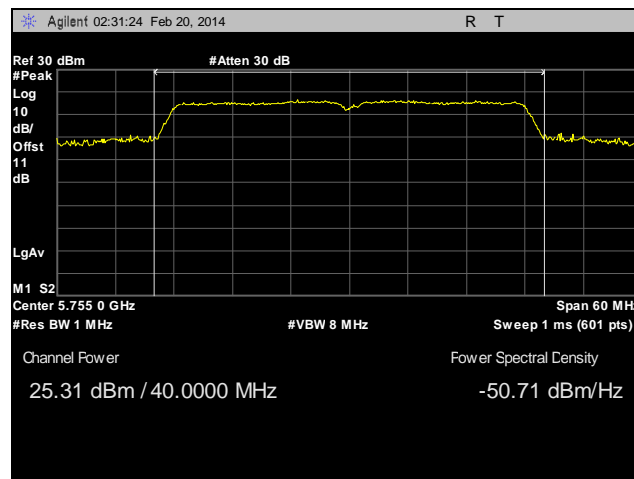
Plot 170. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 0



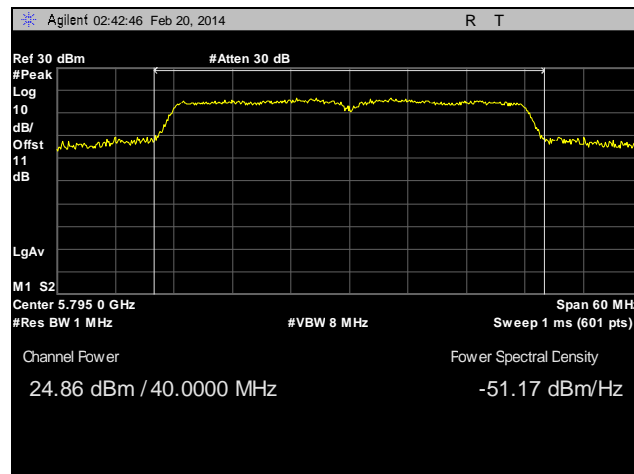
Plot 171. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 1



Plot 172. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 1

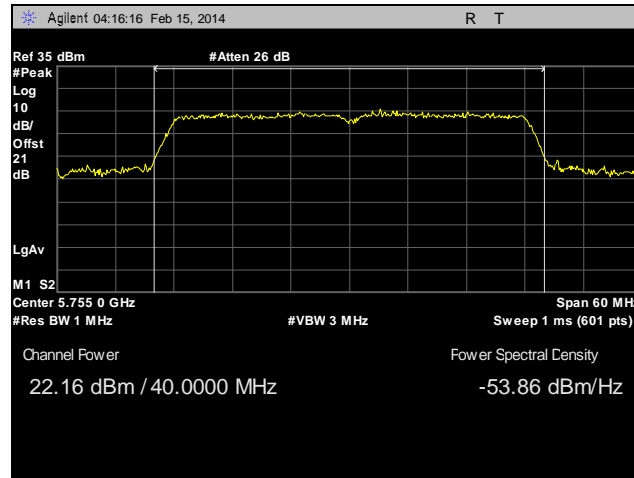


Plot 173. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 2

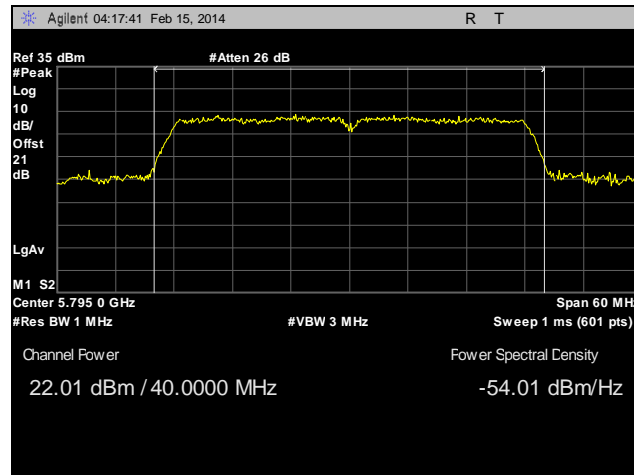


Plot 174. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 2

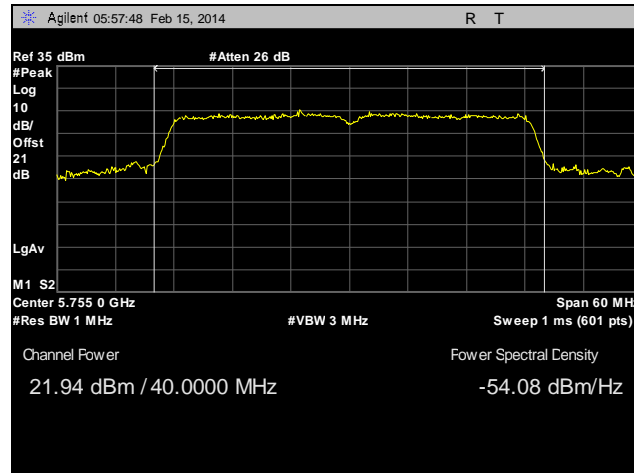
Peak Power Output Test Results, 802.11n 40 MHz, MIMO



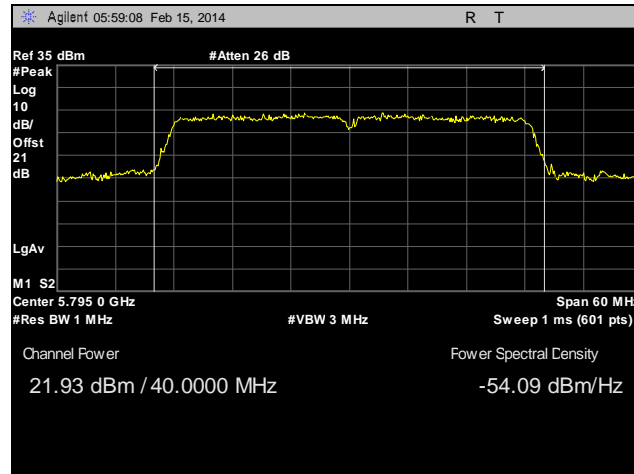
Plot 175. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 0, MIMO



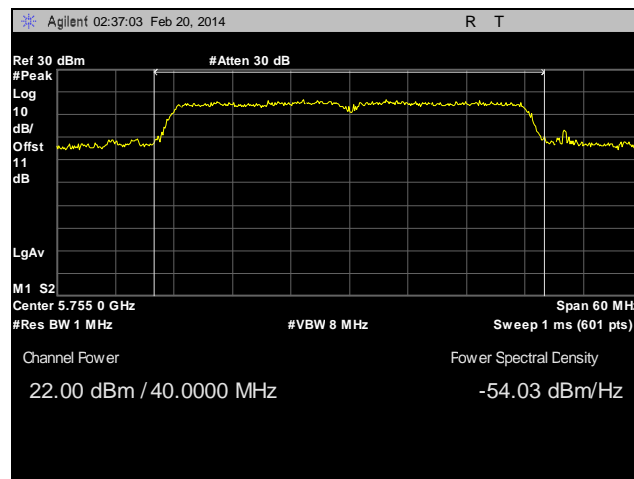
Plot 176. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 0, MIMO



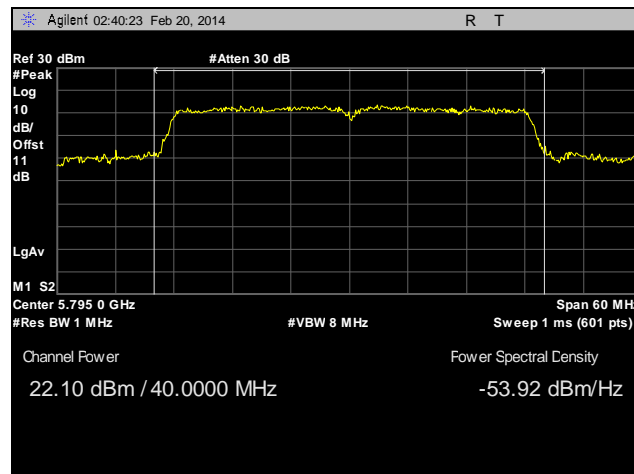
Plot 177. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 1, MIMO



Plot 178. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 1, MIMO

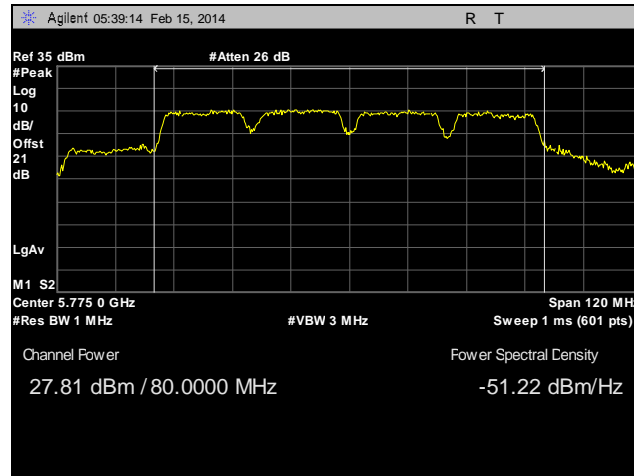


Plot 179. Peak Power Output, Low Channel, 802.11n 40 MHz, Ant. 2, MIMO

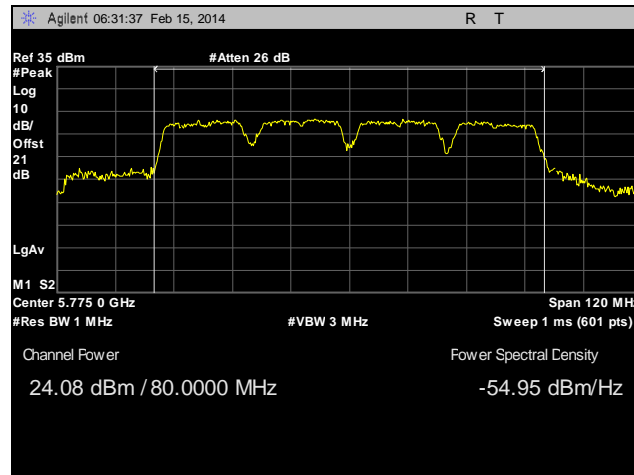


Plot 180. Peak Power Output, High Channel, 802.11n 40 MHz, Ant. 2, MIMO

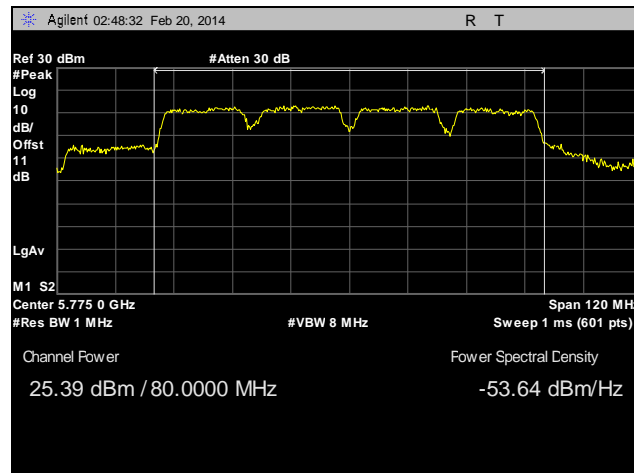
Peak Power Output Test Results, 802.11a 80 MHz



Plot 181. Peak Power Output, Low Channel, 802.11a 80 MHz, Ant. 0

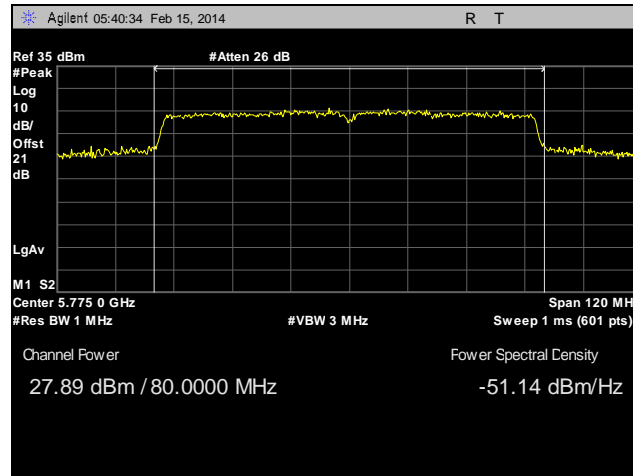


Plot 182. Peak Power Output, Mid Channel, 802.11a 80 MHz, Ant. 1

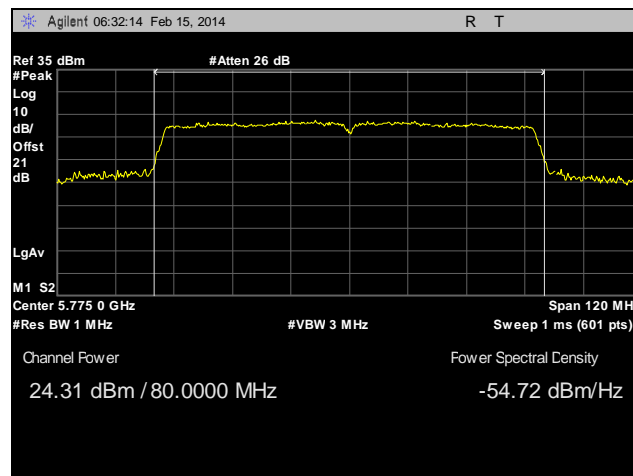


Plot 183. Peak Power Output, High Channel, 802.11a 80 MHz, Ant. 2

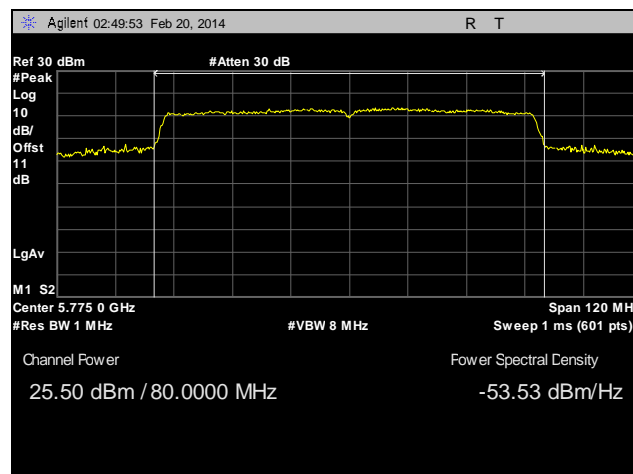
Peak Power Output Test Results, 802.11ac 80 MHz



Plot 184. Peak Power Output, Low Channel, 802.11ac 80 MHz, Ant. 0

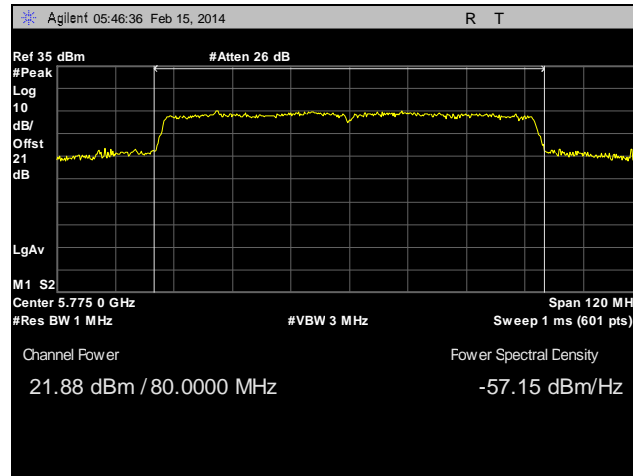


Plot 185. Peak Power Output, Mid Channel, 802.11ac 80 MHz, Ant. 1

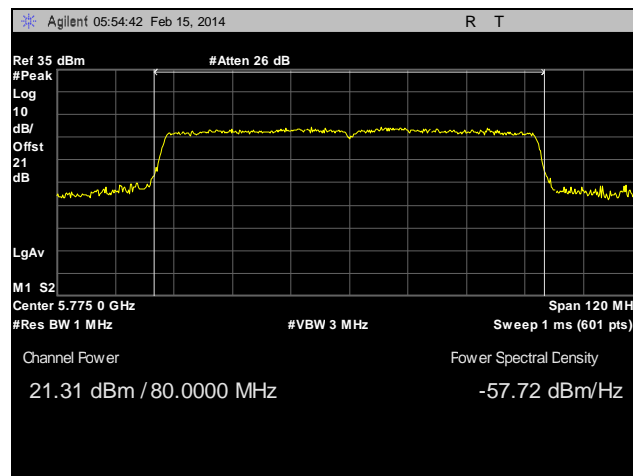


Plot 186. Peak Power Output, High Channel, 802.11ac 80 MHz, Ant. 2

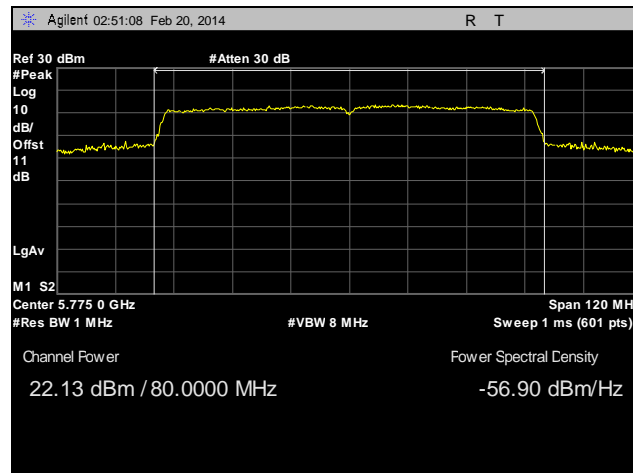
Peak Power Output Test Results, 802.11ac 80 MHz, MIMO



Plot 187. Peak Power Output, Low Channel, 802.11ac 80 MHz, Ant. 0, MIMO



Plot 188. Peak Power Output, Mid Channel, 802.11ac 80 MHz, Ant. 1, MIMO



Plot 189. Peak Power Output, High Channel, 802.11ac 80 MHz, Ant. 2, MIMO

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.247(d) Radiated Spurious Emissions Requirements and Band Edge

Test Requirements: §15.247(d); §15.205: Emissions outside the frequency band.

§15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a).

§15.205(a): Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090–0.110-----	16.42–16.423	399.9–410	4.5–5.15
¹ 0.495–0.505-----	16.69475–16.69525	608–614	5.35–5.46
2.1735–2.1905-----	16.80425–16.80475	960–1240	7.25–7.75
4.125–4.128-----	25.5–25.67	1300–1427	8.025–8.5
4.17725–4.17775-----	37.5–38.25	1435–1626.5	9.0–9.2
4.20725–4.20775-----	73–74.6	1645.5–1646.5	9.3–9.5
6.215–6.218-----	74.8–75.2	1660–1710	10.6–12.7
6.26775–6.26825-----	108–121.94	1718.8–1722.2	13.25–13.4
6.31175–6.31225-----	123–138	2200–2300	14.47–14.5
8.291–8.294-----	149.9–150.05	2310–2390	15.35–16.2
8.362–8.366-----	156.52475–156.52525	2483.5–2500	17.7–21.4
8.37625–8.38675-----	156.7–156.9	2655–2900	22.01–23.12
8.41425–8.41475-----	162.0125–167.17	3260–3267	23.6–24.0
12.29–12.293-----	167.72–173.2	3332–3339	31.2–31.8
12.51975–12.52025-----	240–285	3345.8–3358.36	43–36.5
12.57675–12.57725-----	322–335.4	3600–4400	(²)

Table 90. Restricted Bands of Operation

¹ Until February 1, 1999, this restricted band shall be 0.490 – 0.510 MHz.

² Above 38.6

Test Requirement(s): § 15.209 (a): Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in Table 91.

Frequency (MHz)	§ 15.209(a), Radiated Emission Limits (dB μ V) @ 3m
30 - 88	40.00
88 - 216	43.50
216 - 960	46.00
Above 960	54.00

Table 91. Radiated Emissions Limits Calculated from FCC Part 15, § 15.209 (a)

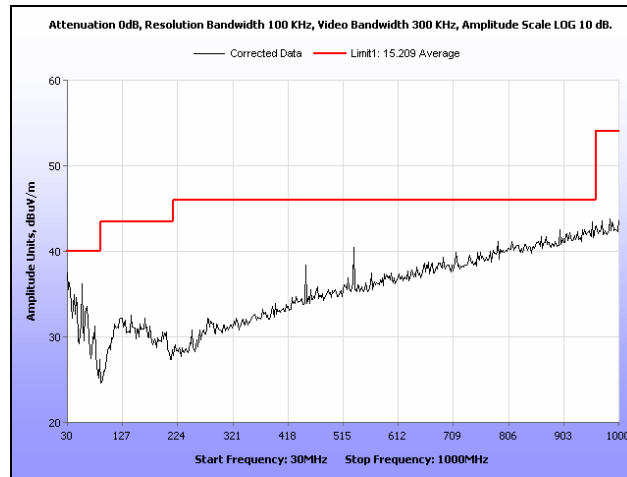
Test Procedures: The transmitter was turned on. Measurements were performed of the low, mid and high Channels. The EUT was rotated orthogonally through all three axes. Plots shown are corrected for both antenna correction factor and distance and compared to a 3 m limit line. Only noise floor was measured above 18 GHz.

Test Results: The EUT was compliant with the Radiated Spurious Emission limits of § 15.247(d). Only noise floor was observed above 18GHz. Also, due to dual radio in the EUT (2.4GHz and 5GHz radio), in some of the radiated emission plot 2.4GHz radio beacon was observed during radiated emission testing. Arris had no way of turning this off. This is not a spurious emission of the 5.8 GHz radio. In some of the plots, emissions right outside 5725-5850 MHz was observed which was over the average limit requirement of FCC 15.209. However, these emissions do not fall in restricted band of FCC 15.205 and only need to meet 20 dBc.

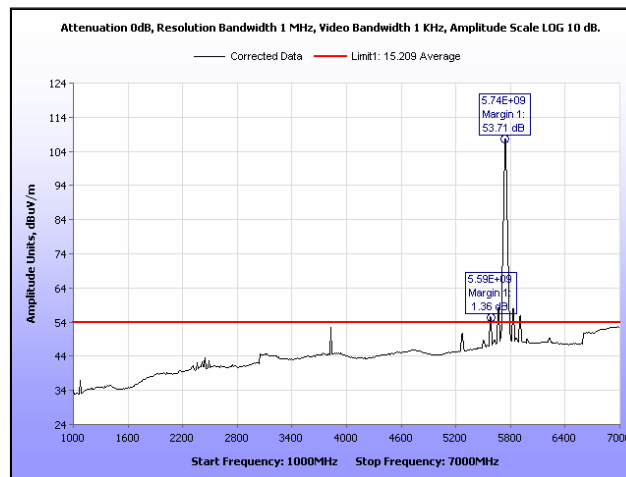
Test Engineer(s): Surinder Singh

Test Date(s): 02/21/14

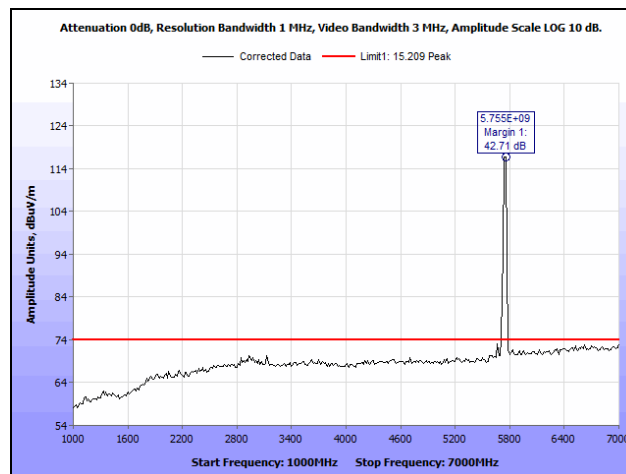
Radiated Spurious Emissions Test Results, 802.11a 20 MHz



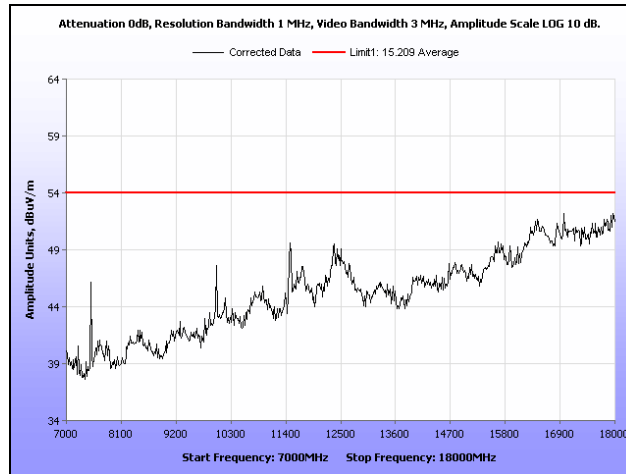
Plot 190. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 30 MHz – 1 GHz



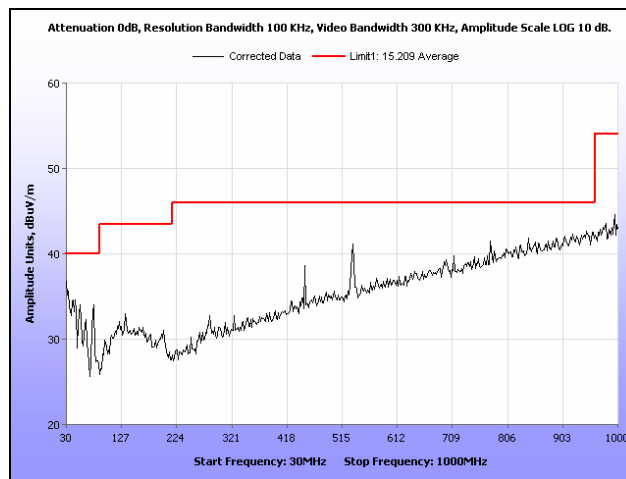
Plot 191. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average



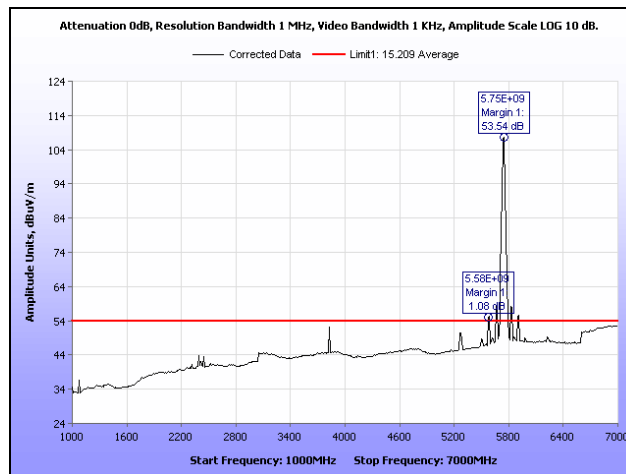
Plot 192. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak



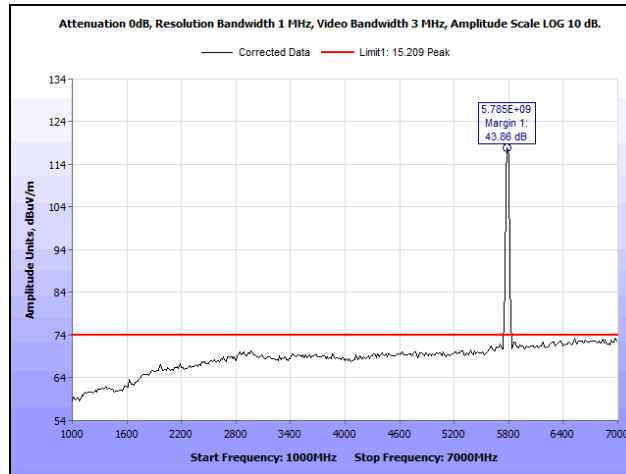
Plot 193. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 0, 7 GHz – 18 GHz



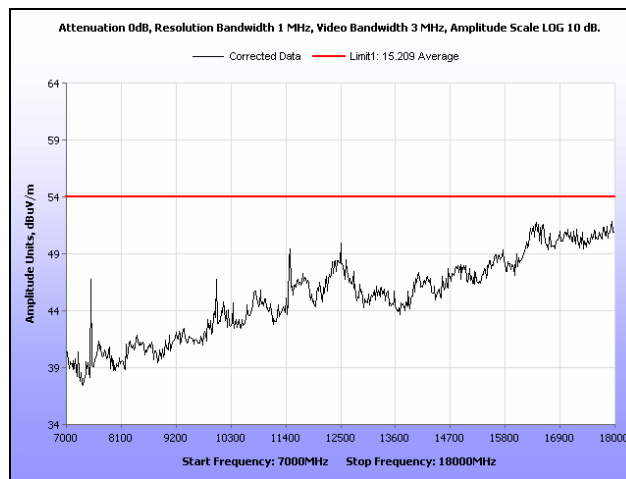
Plot 194. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 30 MHz – 1 GHz



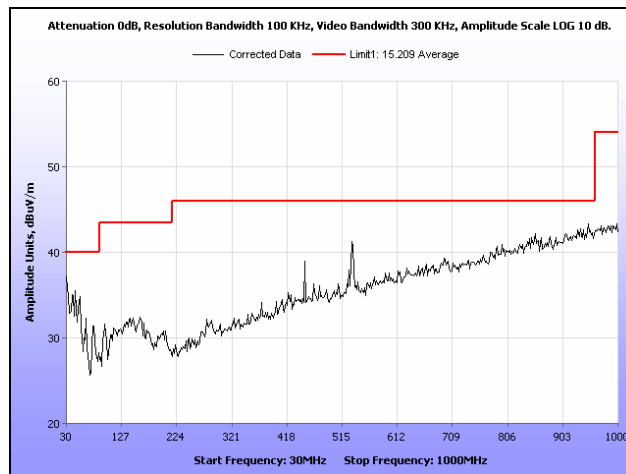
Plot 195. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average



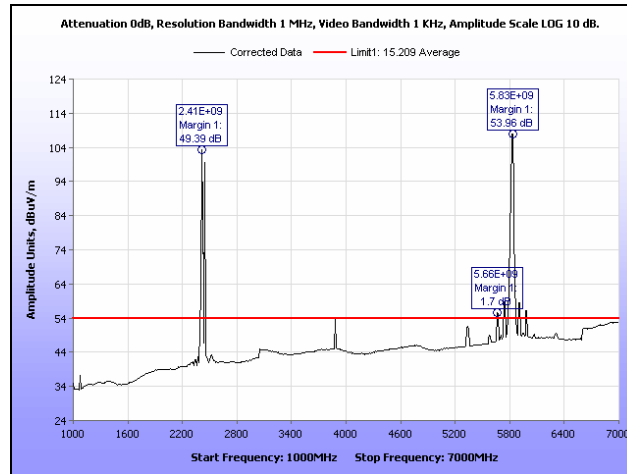
Plot 196. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak



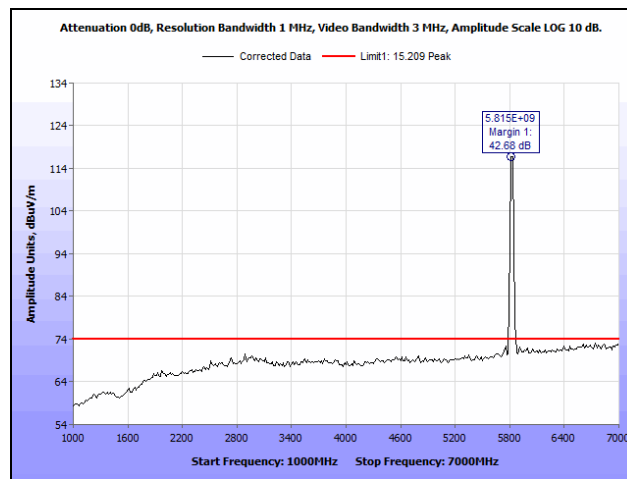
Plot 197. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 0, 7 GHz – 18 GHz



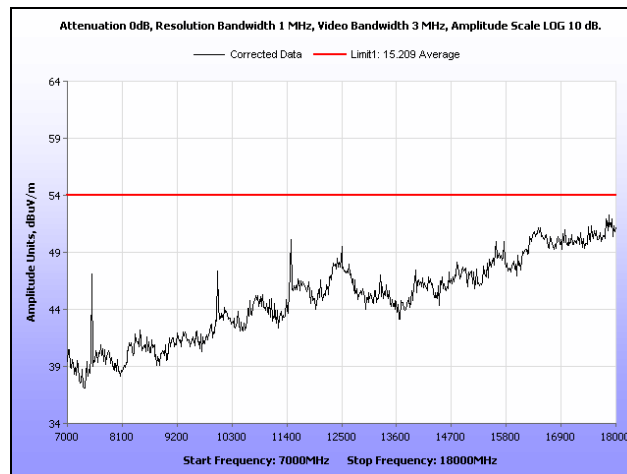
Plot 198. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 30 MHz – 1 GHz



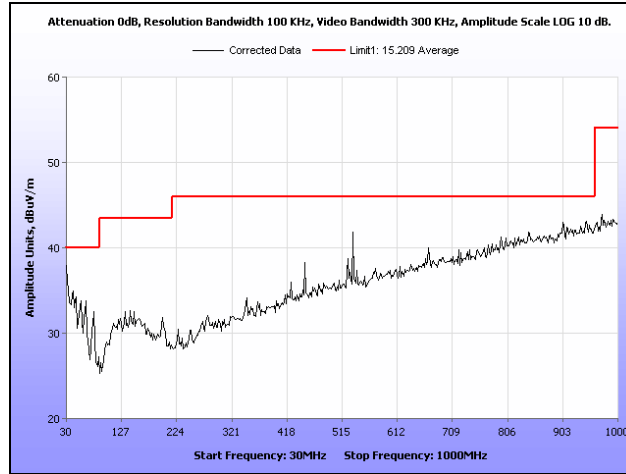
Plot 199. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average



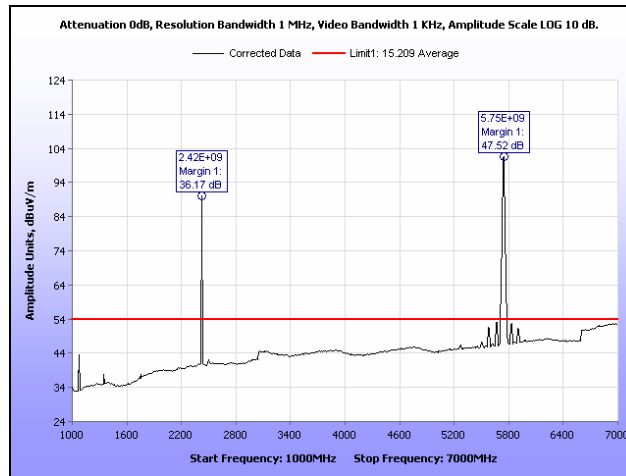
Plot 200. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak



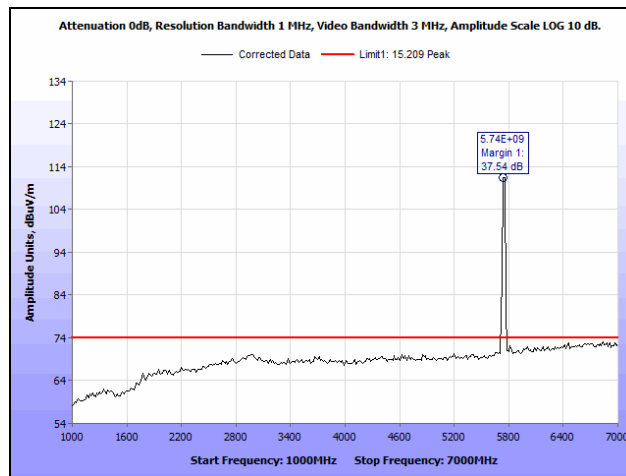
Plot 201. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 0, 7 GHz – 18 GHz



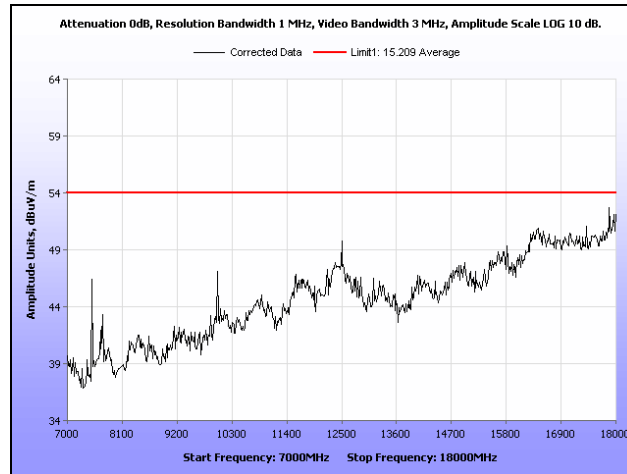
Plot 202. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 30 MHz – 1 GHz



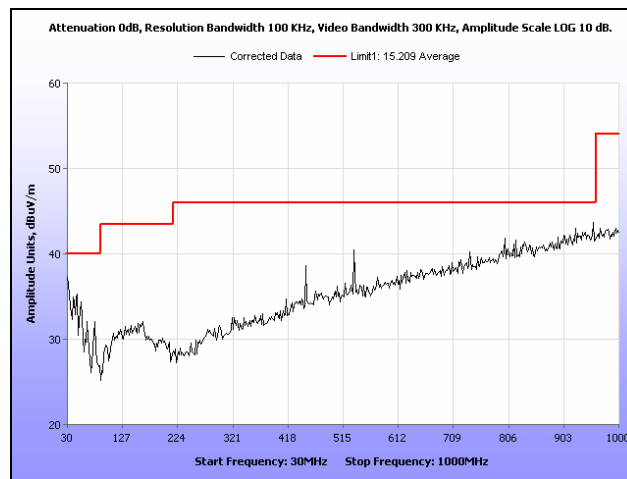
Plot 203. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average



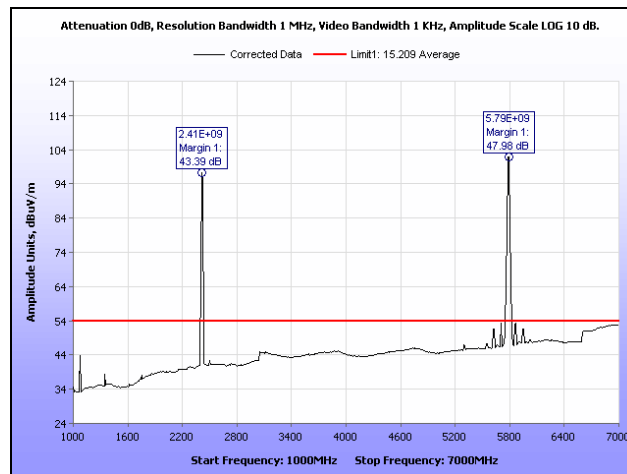
Plot 204. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak



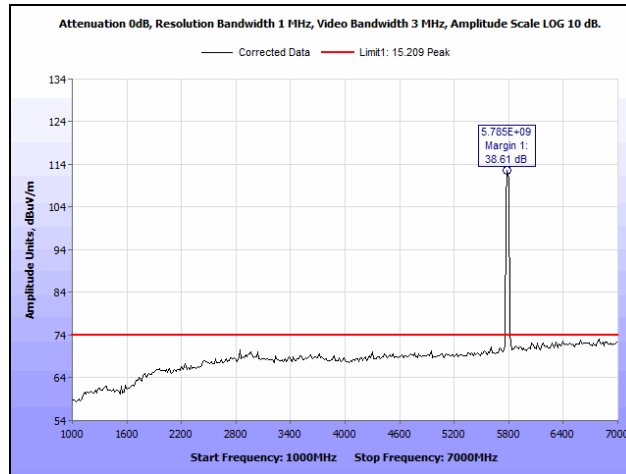
Plot 205. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 1, 7 GHz – 18 GHz



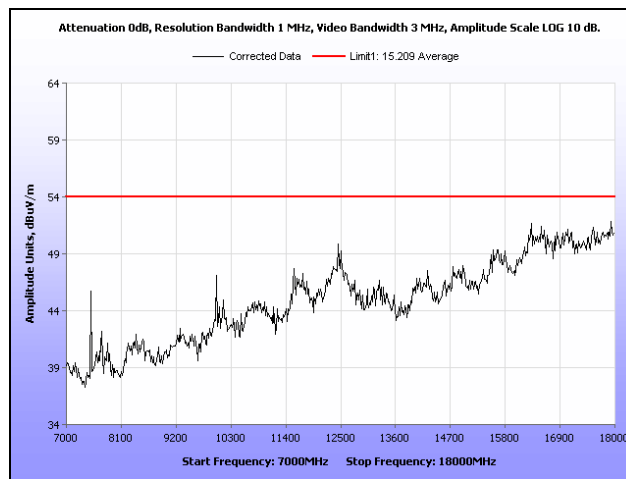
Plot 206. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 30 MHz – 1 GHz



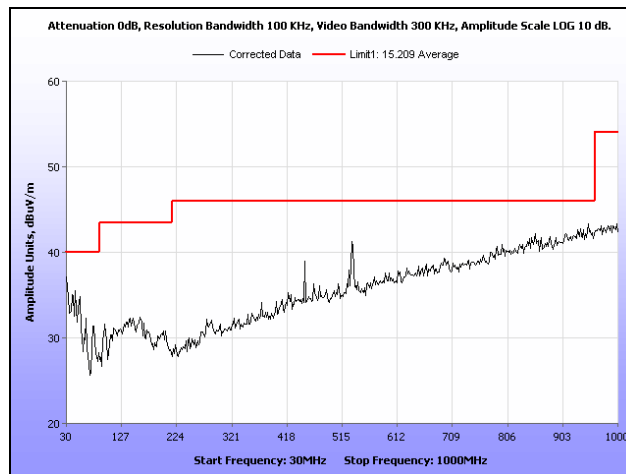
Plot 207. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average



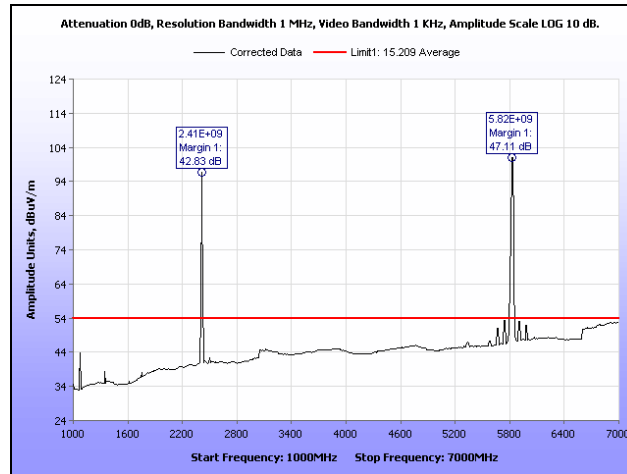
Plot 208. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak



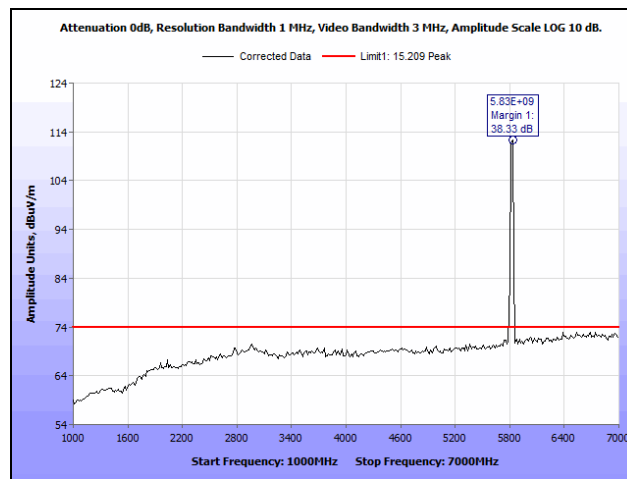
Plot 209. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 1, 7 GHz – 18 GHz



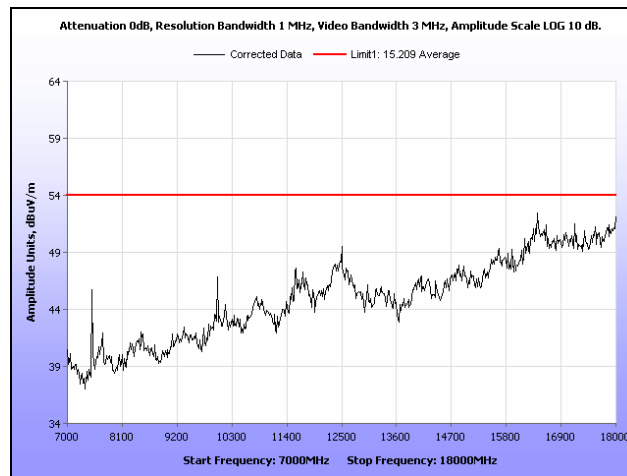
Plot 210. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 30 MHz – 1 GHz



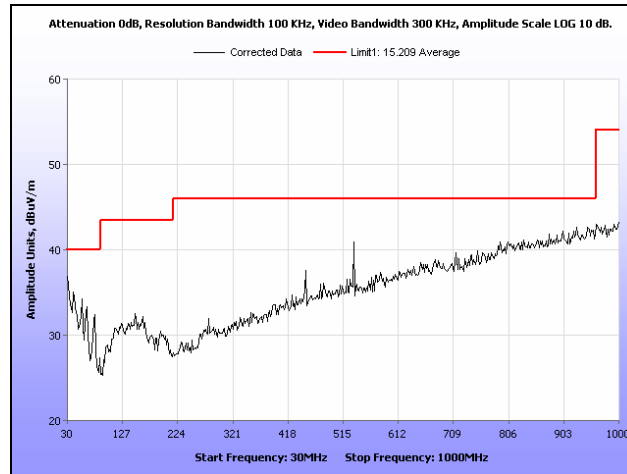
Plot 211. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average



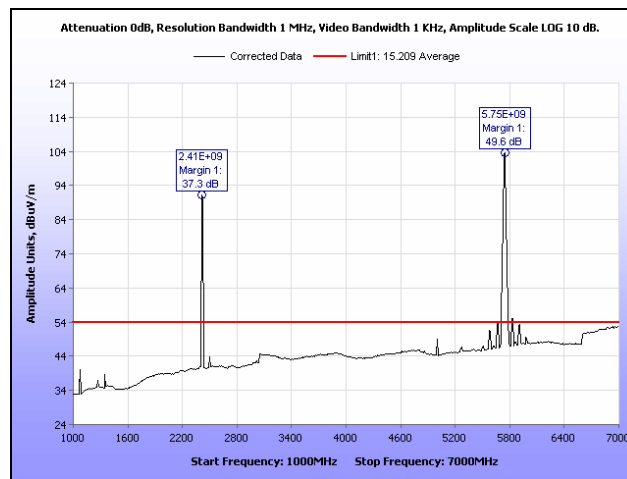
Plot 212. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak



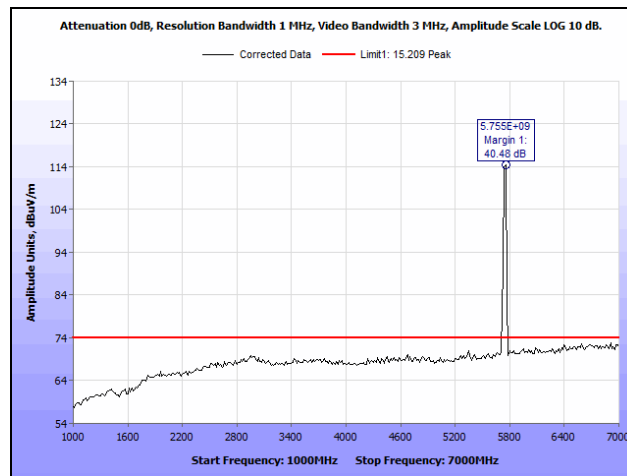
Plot 213. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 1, 7 GHz – 18 GHz



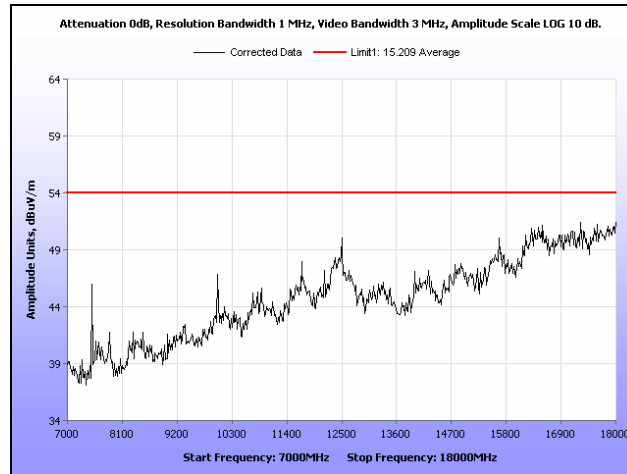
Plot 214. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 30 MHz – 1 GHz



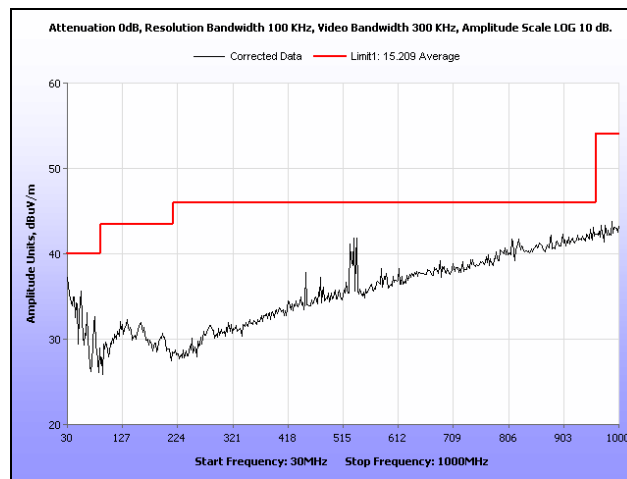
Plot 215. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average



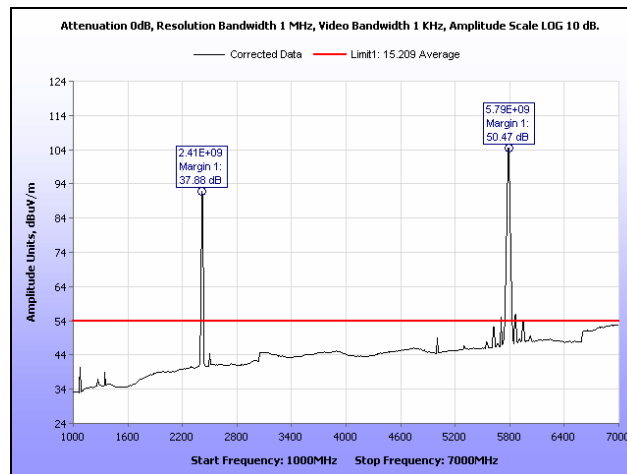
Plot 216. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak



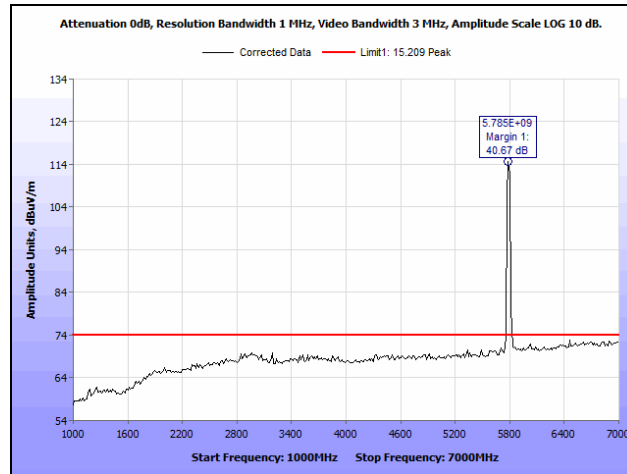
Plot 217. Radiated Spurious Emissions, Low Channel, 802.11a 20 MHz, Ant. 2, 7 GHz – 18 GHz



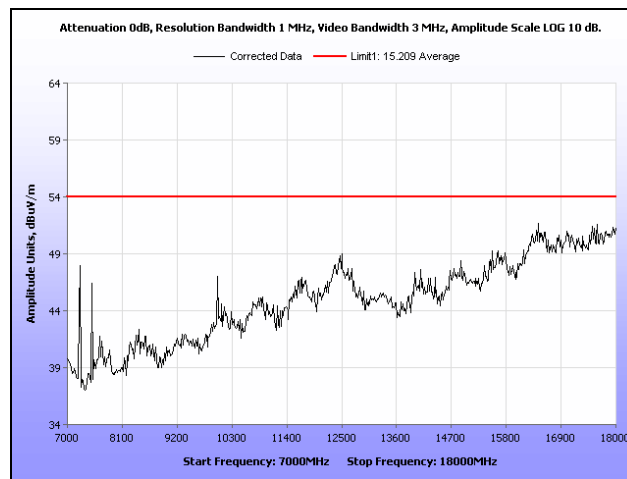
Plot 218. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 30 MHz – 1 GHz



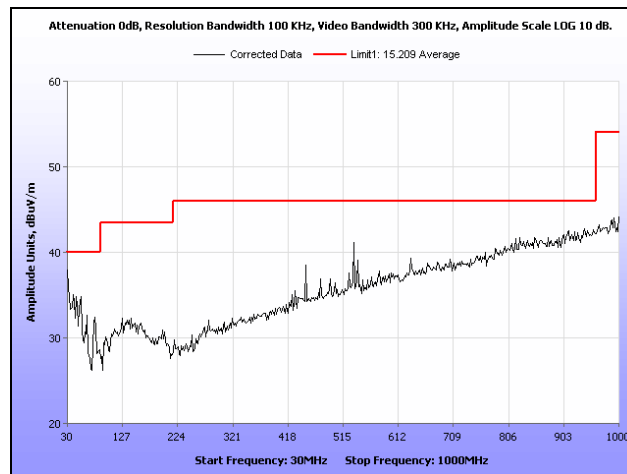
Plot 219. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average



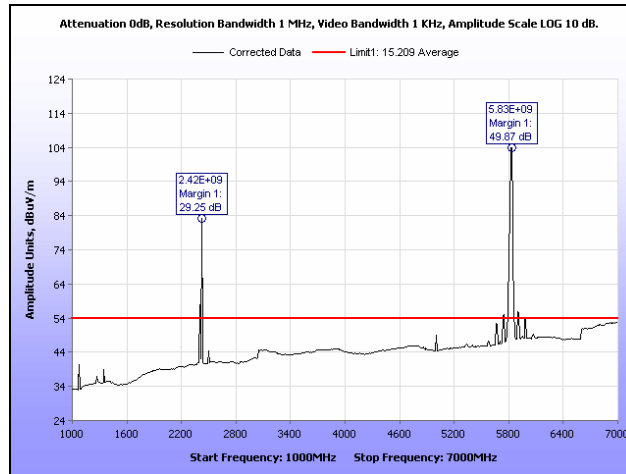
Plot 220. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak



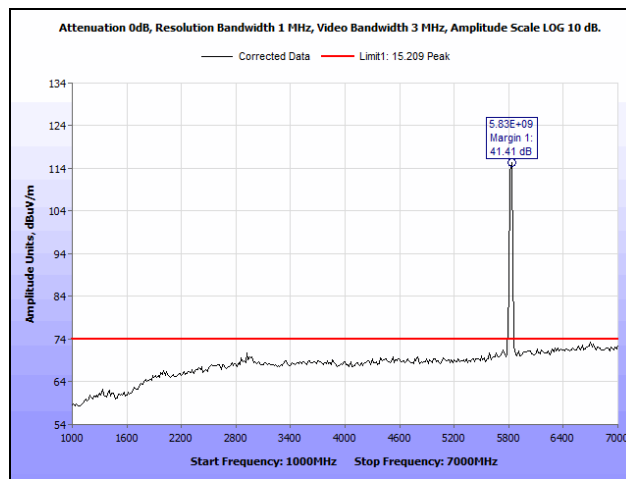
Plot 221. Radiated Spurious Emissions, Mid Channel, 802.11a 20 MHz, Ant. 2, 7 GHz – 18 GHz



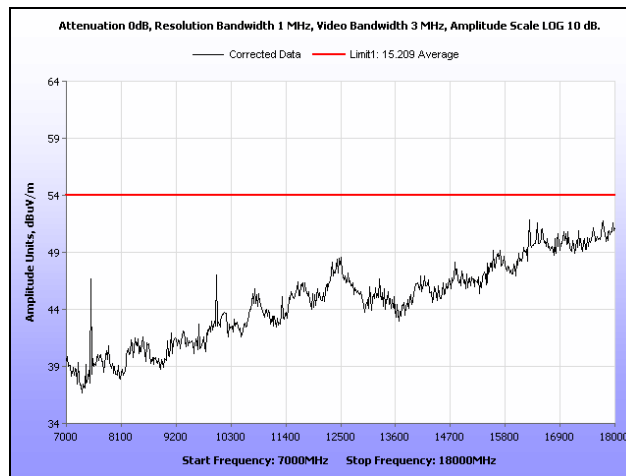
Plot 222. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 30 MHz – 1 GHz



Plot 223. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Average

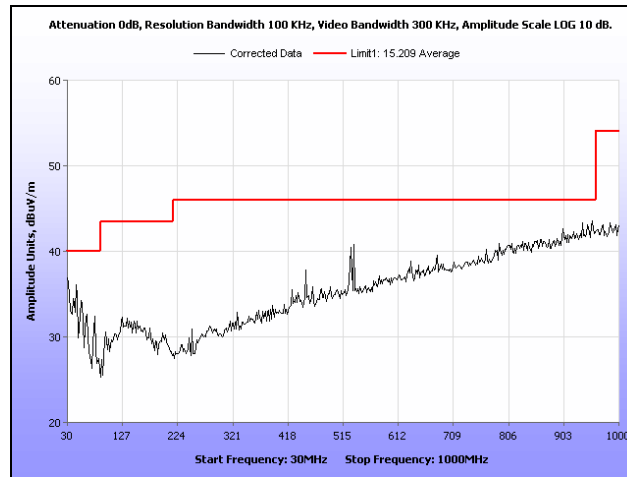


Plot 224. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 1 GHz – 7 GHz, Peak

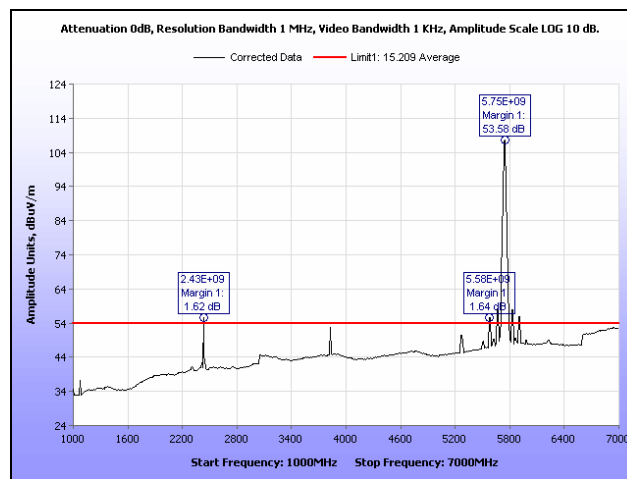


Plot 225. Radiated Spurious Emissions, High Channel, 802.11a 20 MHz, Ant. 2, 7 GHz – 18 GHz

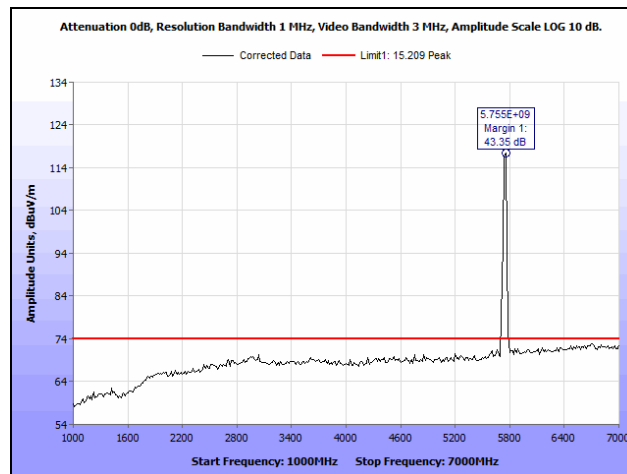
Radiated Spurious Emissions Test Results, 802.11ac 20 MHz



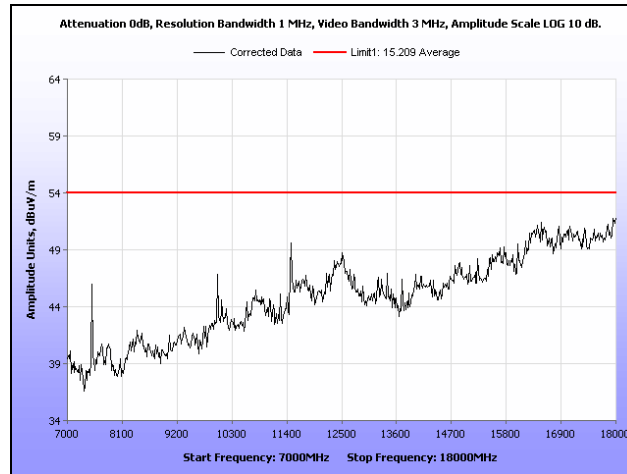
Plot 226. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 30 MHz – 1 GHz



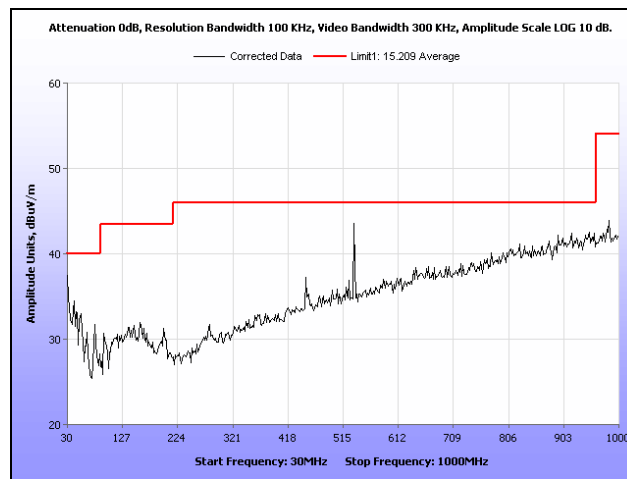
Plot 227. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average



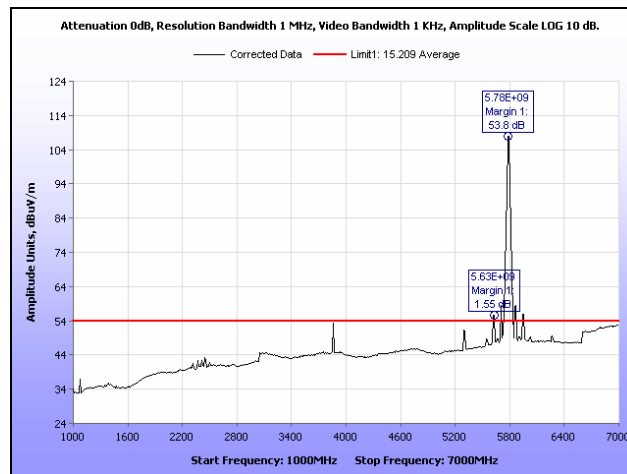
Plot 228. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak



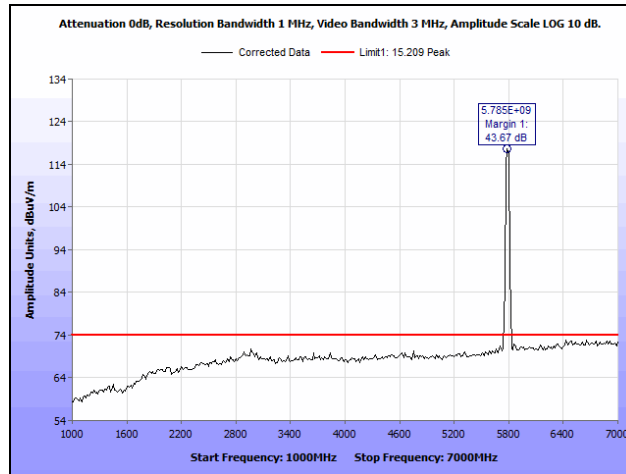
Plot 229. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 0, 7 GHz – 18 GHz



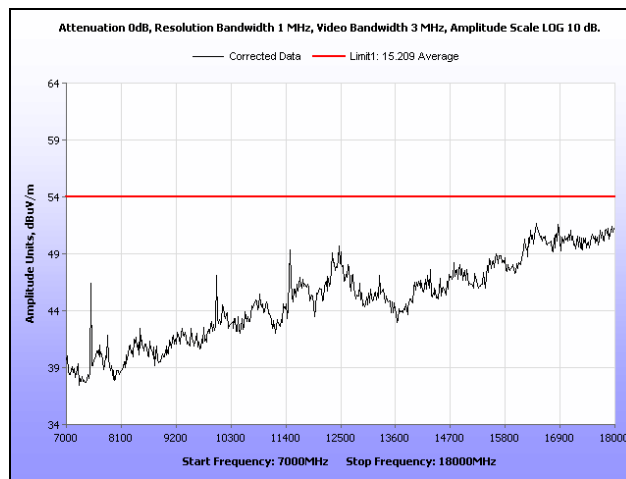
Plot 230. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 30 MHz – 1 GHz



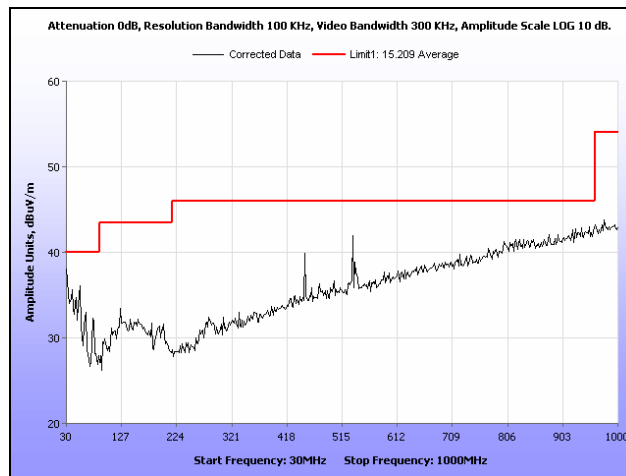
Plot 231. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average



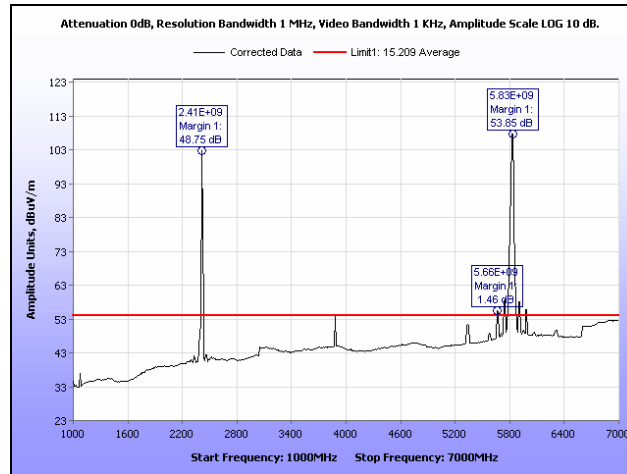
Plot 232. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak



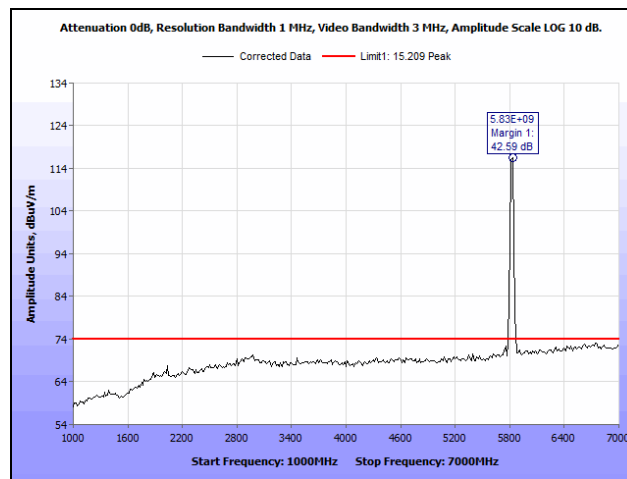
Plot 233. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 0, 7 GHz – 18 GHz



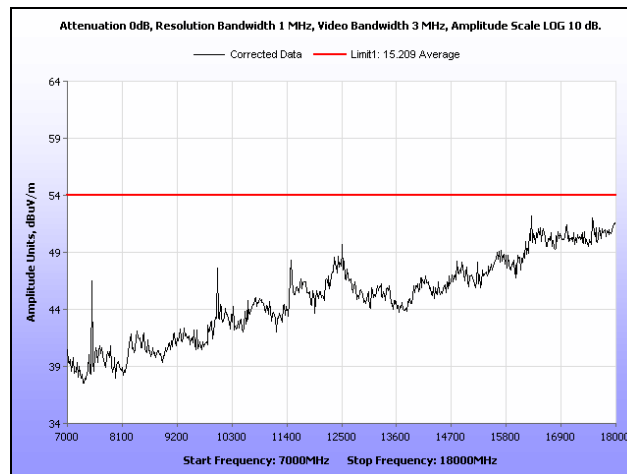
Plot 234. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 30 MHz – 1 GHz



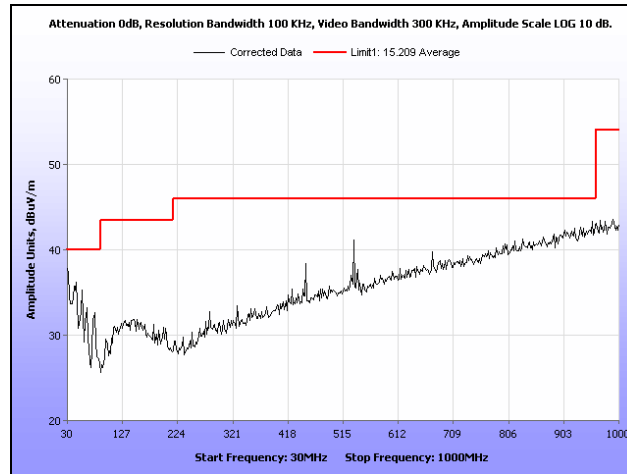
Plot 235. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Average



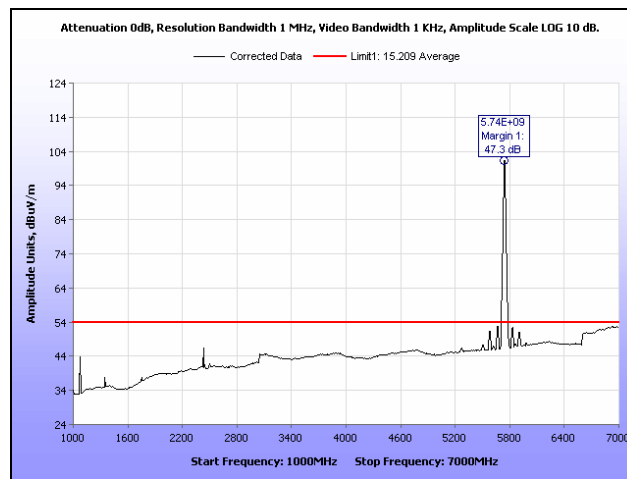
Plot 236. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 1 GHz – 7 GHz, Peak



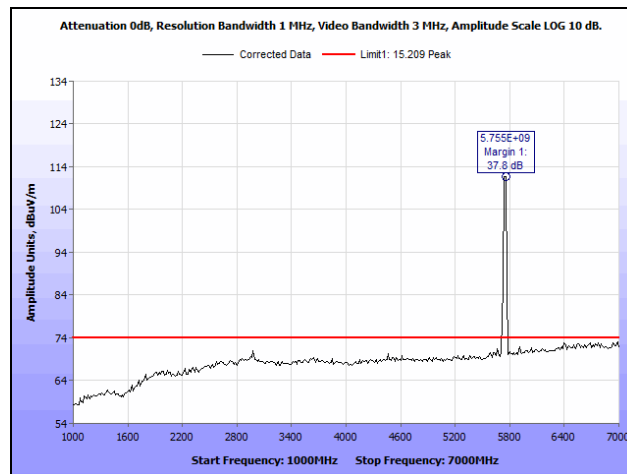
Plot 237. Radiated Spurious Emissions, High Channel, 802.11ac 20 MHz, Ant. 0, 7 GHz – 18 GHz



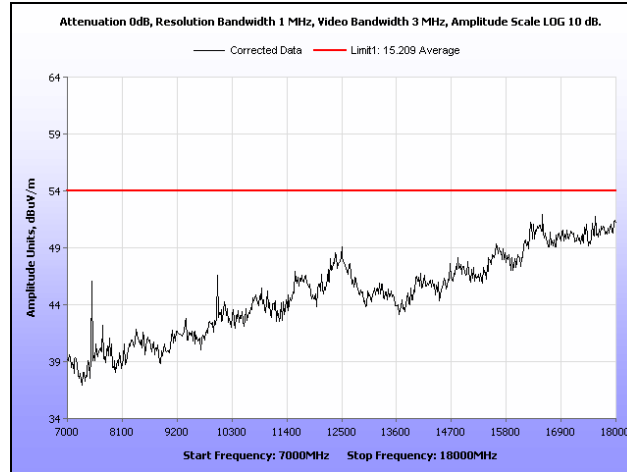
Plot 238. Radiated Spurious Emissions, Low Channel 802.11ac 20 MHz, Ant. 1, 30 MHz – 1 GHz



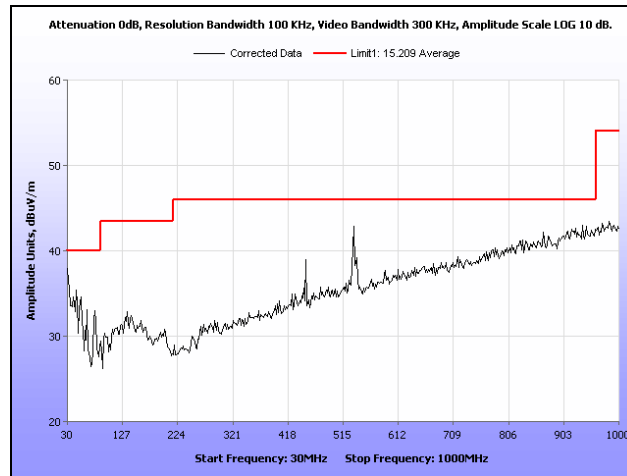
Plot 239. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average



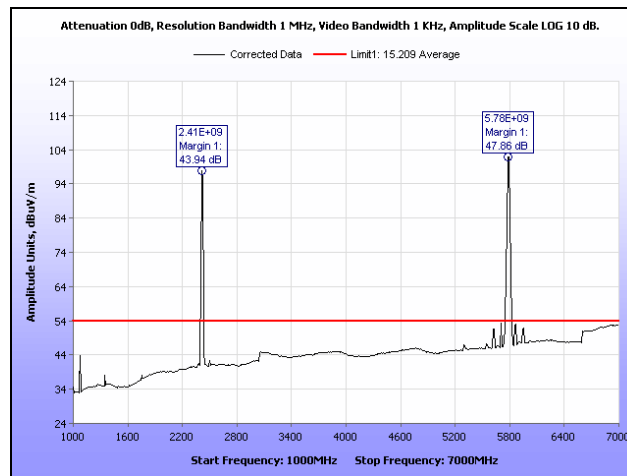
Plot 240. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Peak



Plot 241. Radiated Spurious Emissions, Low Channel, 802.11ac 20 MHz, Ant. 1, 7 GHz – 18 GHz



Plot 242. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1, 30 MHz – 1 GHz



Plot 243. Radiated Spurious Emissions, Mid Channel, 802.11ac 20 MHz, Ant. 1, 1 GHz – 7 GHz, Average