



**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  
13501 MCCALLEN PASS • AUSTIN, TEXAS 78753 • PHONE (512) 287-2500 • FAX (512) 287-2513

July 15, 2015

Ubiquiti Networks  
1250 S. Grove Ave., Suite 100  
Barrington, IL 60010

Dear Alexandros Pavlos,

Enclosed is the EMC test report for compliance testing of the Ubiquiti Networks, AirFiber 3X, tested to the requirements of Title 47 of the Code of Federal Regulations (CFR), Part 90 Subpart Z and RSS-197, Issue 1, February 2010 for Land Mobile Radio Services.

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: (\\Ubiquiti Networks\EMC85689-FCC90Z Rev. 2)

Certificates and reports shall not be reproduced except in full, without the written permission of MET Laboratories, Inc. This letter of transmittal is not a part of the attached report



**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

13501 MCCALLEN PASS • AUSTIN, TEXAS 78753 • PHONE (512) 287-2500 • FAX (512) 287-2513

**Electromagnetic Compatibility Criteria  
Test Report**

For the

**Ubiquiti Networks  
Model AirFiber 3X**

Tested under

**The FCC Verification Rules  
Contained in Title 47 of the CFR, Part 90, Subpart Z  
&  
RSS-197, Issue 1, February 2010  
for Private Land Mobile Radio Services**

**MET Report: EMC85689-FCC90Z Rev. 2**

July 15, 2015

**Prepared For:  
Ubiquiti Networks  
1250 S. Grove Ave., Suite 100  
Barrington, IL 60010**

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

## Electromagnetic Compatibility Criteria Test Report


For the

**Ubiquiti Networks  
Model AirFiber 3X**

Tested under

**The FCC Verification Rules  
Contained in Title 47 of the CFR, Part 90, Subpart Z  
&  
RSS-197, Issue 1, February 2010  
for Private Land Mobile Radio Services**

**MET Report: EMC85689-FCC90Z Rev. 2**



Djed Mouada  
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 / is not capable of operation in accordance with the requirements of Part 90, Subpart Z of the FCC Rules and RSS-197, Issue 1, February 2010 of Industry Canada Standards under normal use and maintenance.



Asad Bajwa,  
Director, Electromagnetic Compatibility Lab

## Report Status Sheet

Revision	Report Date	Reason for Revision
∅	June 29, 2015	Initial Issue.
1	July 13, 2015	Engineer corrections.

## Table of Contents

<b>1. Executive Summary .....</b>	<b>1</b>
<b>1.1. Testing Summary .....</b>	<b>2</b>
<b>2. Equipment Configuration.....</b>	<b>3</b>
<b>2.1. Overview .....</b>	<b>4</b>
<b>2.2. Test Site .....</b>	<b>5</b>
<b>2.3. Description of Test Sample .....</b>	<b>5</b>
<b>2.4. Ports and Cabling Information .....</b>	<b>5</b>
<b>2.5. Mode of Operation .....</b>	<b>6</b>
<b>2.6. Method of Monitoring EUT Operation .....</b>	<b>6</b>
<b>2.7. Modifications .....</b>	<b>6</b>
<b>2.7.1. Modifications to EUT .....</b>	<b>6</b>
<b>2.7.2. Modifications to Test Standard .....</b>	<b>6</b>
<b>2.8. Disposition of EUT .....</b>	<b>6</b>
<b>3. Electromagnetic Compatibility Criteria for Intentional Radiators .....</b>	<b>7</b>
<b>3.1. Peak Power Output .....</b>	<b>79</b>
<b>3.2. Occupied Bandwidth.....</b>	<b>137</b>
<b>3.3. Spurious Emissions at Antenna Terminals .....</b>	<b>175</b>
<b>3.4. Radiated Emissions (Substitution Method).....</b>	<b>224</b>
RSS-102(3.2) Maximum Permissible Exposure .....	254
<b>3.5. Frequency Stability .....</b>	<b>256</b>
<b>3.6. Receiver Spurious Emissions.....</b>	<b>267</b>
<b>4. Test Equipment .....</b>	<b>270</b>
<b>5. Certification Label &amp; User’s Manual Information .....</b>	<b>272</b>
<b>5.1. Verification Information .....</b>	<b>273</b>
<b>5.2. Label and User’s Manual Information .....</b>	<b>277</b>

All references to section numbers are taken directly from the standard/specification used. Only sections requiring testing or evaluation are included.

## List of Tables

Table 1. Summary of Test Results .....	2
Table 2. EUT Specifications .....	4
Table 3. Ports and Cabling Information .....	5
Table 4. RF Output Power, Test Results, 12 dBi Antenna Power .....	9
Table 5. RF Output Power, Test Results, 26 dBi Antenna Power .....	10
Table 6. RF Output Power, Test Results, 29 dBi Antenna Power .....	11
Table 7. Peak Power Spectral Density, Test Results, 12 dBi Antenna .....	80
Table 8. Peak Power Spectral Density, Test Results, 26 dBi Antenna .....	81
Table 9. Peak Power Spectral Density, Test Results, 29dBi Antenna .....	82
Table 10. Occupied Bandwidth, Test Results.....	138
Table 11. Frequency Stability, Test Results .....	257
Table 12. Spurious Emission Limits for Receivers .....	267

## List of Figures

Figure 1. RF Power Output Test Setup.....	8
Figure 2. PPSD Test Setup .....	79

## List of Plots

Plot 1. EIRP, Low Channel, 3.5 MHz, Chain 0, 12 dBi Antenna .....	12
Plot 2. EIRP, Low Channel, 3.5 MHz, Chain 1, 12 dBi Antenna .....	12
Plot 3. EIRP, Mid Channel, 3.5 MHz, Chain 0, 12 dBi Antenna .....	12
Plot 4. EIRP, Mid Channel, 3.5 MHz, Chain 1, 12 dBi Antenna .....	13
Plot 5. EIRP, High Channel, 3.5 MHz, Chain 0, 12 dBi Antenna .....	13
Plot 6. EIRP, High Channel, 3.5 MHz, Chain 1, 12 dBi Antenna .....	13
Plot 7. EIRP, Low Channel, 5 MHz, Chain 0, 12 dBi Antenna .....	14
Plot 8. EIRP, Low Channel, 5 MHz, Chain 1, 12 dBi Antenna .....	14
Plot 9. EIRP, Mid Channel, 5 MHz, Chain 0, 12 dBi Antenna .....	14
Plot 10. EIRP, Mid Channel, 5 MHz, Chain 1, 12 dBi Antenna .....	15
Plot 11. EIRP, High Channel, 5 MHz, Chain 0, 12 dBi Antenna .....	15
Plot 12. EIRP, High Channel, 5 MHz, Chain 1, 12 dBi Antenna .....	15
Plot 13. EIRP, Low Channel, 7 MHz, Chain 0, 12 dBi Antenna .....	16
Plot 14. EIRP, Low Channel, 7 MHz, Chain 1, 12 dBi Antenna .....	16
Plot 15. EIRP, Mid Channel, 7 MHz, Chain 0, 12 dBi Antenna .....	16
Plot 16. EIRP, Mid Channel, 7 MHz, Chain 1, 12 dBi Antenna .....	17
Plot 17. EIRP, High Channel, 7 MHz, Chain 0, 12 dBi Antenna .....	17
Plot 18. EIRP, High Channel, 7 MHz, Chain 1, 12 dBi Antenna .....	17
Plot 19. EIRP, Low Channel, 10 MHz, Chain 0, 12 dBi Antenna .....	18
Plot 20. EIRP, Low Channel, 10 MHz, Chain 1, 12 dBi Antenna .....	18
Plot 21. EIRP, Mid Channel, 10 MHz, Chain 0, 12 dBi Antenna .....	18
Plot 22. EIRP, Mid Channel, 10 MHz, Chain 1, 12 dBi Antenna .....	19
Plot 23. EIRP, High Channel, 10 MHz, Chain 0, 12 dBi Antenna .....	19
Plot 24. EIRP, High Channel, 10 MHz, Chain 1, 12 dBi Antenna .....	19
Plot 25. EIRP, Low Channel, 14 MHz, Chain 0, 12 dBi Antenna .....	20
Plot 26. EIRP, Low Channel, 14 MHz, Chain 1, 12 dBi Antenna .....	20
Plot 27. EIRP, Mid Channel, 14 MHz, Chain 0, 12 dBi Antenna .....	20
Plot 28. EIRP, Mid Channel, 14 MHz, Chain 1, 12 dBi Antenna .....	21
Plot 29. EIRP, High Channel, 14 MHz, Chain 0, 12 dBi Antenna .....	21
Plot 30. EIRP, High Channel, 14 MHz, Chain 1, 12 dBi Antenna .....	21

Plot 31. EIRP, Low Channel, 20 MHz, Chain 0, 12 dBi Antenna.....	22
Plot 32. EIRP, Low Channel, 20 MHz, Chain 1, 12 dBi Antenna.....	22
Plot 33. EIRP, Mid Channel, 20 MHz, Chain 0, 12 dBi Antenna.....	22
Plot 34. EIRP, Mid Channel, 20 MHz, Chain 1, 12 dBi Antenna.....	23
Plot 35. EIRP, High Channel, 20 MHz, Chain 0, 12 dBi Antenna.....	23
Plot 36. EIRP, High Channel, 20 MHz, Chain 1, 12 dBi Antenna.....	23
Plot 37. EIRP, Low Channel, 28 MHz, Chain 0, 12 dBi Antenna.....	24
Plot 38. EIRP, Low Channel, 28 MHz, Chain 1, 12 dBi Antenna.....	24
Plot 39. EIRP, Mid Channel, 28 MHz, Chain 0, 12 dBi Antenna.....	24
Plot 40. EIRP, Mid Channel, 28 MHz, Chain 1, 12 dBi Antenna.....	25
Plot 41. EIRP, High Channel, 28 MHz, Chain 0, 12 dBi Antenna.....	25
Plot 42. EIRP, High Channel, 28 MHz, Chain 1, 12 dBi Antenna.....	25
Plot 43. EIRP, Low Channel, 30 MHz, Chain 0, 12 dBi Antenna.....	26
Plot 44. EIRP, Low Channel, 30 MHz, Chain 1, 12 dBi Antenna.....	26
Plot 45. EIRP, Mid Channel, 30 MHz, Chain 0, 12 dBi Antenna.....	26
Plot 46. EIRP, Mid Channel, 30 MHz, Chain 0, Lower 25 MHz, 12 dBi Antenna.....	27
Plot 47. EIRP, Mid Channel, 30 MHz, Chain 0, Upper 25 MHz, 12 dBi Antenna.....	27
Plot 48. EIRP, Mid Channel, 30 MHz, Chain 1, 12 dBi Antenna.....	27
Plot 49. EIRP, High Channel, 30 MHz, Chain 0, 12 dBi Antenna.....	28
Plot 50. EIRP, High Channel, 30 MHz, Chain 1, 12 dBi Antenna.....	28
Plot 51. EIRP, Low Channel, 40 MHz, Chain 0, 12 dBi Antenna.....	29
Plot 52. EIRP, Low Channel, 40 MHz, Chain 1, 12 dBi Antenna.....	29
Plot 53. EIRP, Mid Channel, 40 MHz, Chain 0, 12 dBi Antenna.....	29
Plot 54. EIRP, Mid Channel, 40 MHz, Chain 1, 12 dBi Antenna.....	30
Plot 55. EIRP, High Channel, 40 MHz, Chain 0, 12 dBi Antenna.....	30
Plot 56. EIRP, High Channel, 40 MHz, Chain 1, 12 dBi Antenna.....	30
Plot 57. EIRP, Low Channel, 3.5 MHz, Chain 0, 26 dBi Antenna.....	31
Plot 58. EIRP, Low Channel, 3.5 MHz, Chain 1, 26 dBi Antenna.....	31
Plot 59. EIRP, Mid Channel, 3.5 MHz, Chain 0, 26 dBi Antenna.....	31
Plot 60. EIRP, Mid Channel, 3.5 MHz, Chain 1, 26 dBi Antenna.....	32
Plot 61. EIRP, High Channel, 3.5 MHz, Chain 0, 26 dBi Antenna.....	32
Plot 62. EIRP, High Channel, 3.5 MHz, Chain 1, 26 dBi Antenna.....	32
Plot 63. EIRP, Low Channel, 5 MHz, Chain 0, 26 dBi Antenna.....	33
Plot 64. EIRP, Low Channel, 5 MHz, Chain 1, 26 dBi Antenna.....	33
Plot 65. EIRP, Mid Channel, 5 MHz, Chain 0, 26 dBi Antenna.....	33
Plot 66. EIRP, Mid Channel, 5 MHz, Chain 1, 26 dBi Antenna.....	34
Plot 67. EIRP, High Channel, 5 MHz, Chain 0, 26 dBi Antenna.....	34
Plot 68. EIRP, High Channel, 5 MHz, Chain 1, 26 dBi Antenna.....	34
Plot 69. EIRP, Low Channel, 7 MHz, Chain 0, 26 dBi Antenna.....	35
Plot 70. EIRP, Low Channel, 7 MHz, Chain 1, 26 dBi Antenna.....	35
Plot 71. EIRP, Mid Channel, 7 MHz, Chain 0, 26 dBi Antenna.....	35
Plot 72. EIRP, Mid Channel, 7 MHz, Chain 1, 26 dBi Antenna.....	36
Plot 73. EIRP, High Channel, 7 MHz, Chain 0, 26 dBi Antenna.....	36
Plot 74. EIRP, High Channel, 7 MHz, Chain 1, 26 dBi Antenna.....	36
Plot 75. EIRP, Low Channel, 10 MHz, Chain 0, 26 dBi Antenna.....	37
Plot 76. EIRP, Low Channel, 10 MHz, Chain 1, 26 dBi Antenna.....	37
Plot 77. EIRP, Mid Channel, 10 MHz, Chain 0, 26 dBi Antenna.....	37
Plot 78. EIRP, Mid Channel, 10 MHz, Chain 1, 26 dBi Antenna.....	38
Plot 79. EIRP, High Channel, 10 MHz, Chain 0, 26 dBi Antenna.....	38
Plot 80. EIRP, High Channel, 10 MHz, Chain 1, 26 dBi Antenna.....	38
Plot 81. EIRP, Low Channel, 14 MHz, Chain 0, 26 dBi Antenna.....	39
Plot 82. EIRP, Low Channel, 14 MHz, Chain 1, 26 dBi Antenna.....	39
Plot 83. EIRP, Mid Channel, 14 MHz, Chain 0, 26 dBi Antenna.....	39
Plot 84. EIRP, Mid Channel, 14 MHz, Chain 1, 26 dBi Antenna.....	40

Plot 85. EIRP, High Channel, 14 MHz, Chain 0, 26 dBi Antenna .....	40
Plot 86. EIRP, High Channel, 14 MHz, Chain 1, 26 dBi Antenna .....	40
Plot 87. EIRP, Low Channel, 20 MHz, Chain 0, 26 dBi Antenna.....	41
Plot 88. EIRP, Low Channel, 20 MHz, Chain 1, 26 dBi Antenna.....	41
Plot 89. EIRP, Mid Channel, 20 MHz, Chain 0, 26 dBi Antenna .....	41
Plot 90. EIRP, Mid Channel, 20 MHz, Chain 1, 26 dBi Antenna .....	42
Plot 91. EIRP, High Channel, 20 MHz, Chain 0, 26 dBi Antenna .....	42
Plot 92. EIRP, High Channel, 20 MHz, Chain 1, 26 dBi Antenna .....	42
Plot 93. EIRP, Low Channel, 28 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	43
Plot 94. EIRP, Low Channel, 28 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna.....	43
Plot 95. EIRP, Low Channel, 28 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	43
Plot 96. EIRP, Low Channel, 28 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna.....	44
Plot 97. EIRP, Mid Channel, 28 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	44
Plot 98. EIRP, Mid Channel, 28 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna .....	44
Plot 99. EIRP, Mid Channel, 28 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	45
Plot 100. EIRP, Mid Channel, 28 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna .....	45
Plot 101. EIRP, High Channel, 28 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	45
Plot 102. EIRP, High Channel, 28 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna .....	46
Plot 103. EIRP, High Channel, 28 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	46
Plot 104. EIRP, High Channel, 28 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna .....	46
Plot 105. EIRP, Low Channel, 30 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	47
Plot 106. EIRP, Low Channel, 30 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna.....	47
Plot 107. EIRP, Low Channel, 30 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	47
Plot 108. EIRP, Low Channel, 30 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna.....	48
Plot 109. EIRP, Mid Channel, 30 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	48
Plot 110. EIRP, Mid Channel, 30 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna .....	48
Plot 111. EIRP, Mid Channel, 30 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	49
Plot 112. EIRP, Mid Channel, 30 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna .....	49
Plot 113. EIRP, High Channel, 30 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	49
Plot 114. EIRP, High Channel, 30 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna .....	50
Plot 115. EIRP, High Channel, 30 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	50
Plot 116. EIRP, High Channel, 30 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna .....	50
Plot 117. EIRP, Low Channel, 40 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	51
Plot 118. EIRP, Low Channel, 40 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna.....	51
Plot 119. EIRP, Low Channel, 40 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	51
Plot 120. EIRP, Low Channel, 40 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna.....	52
Plot 121. EIRP, Mid Channel, 40 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	52
Plot 122. EIRP, Mid Channel, 40 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna .....	52
Plot 123. EIRP, Mid Channel, 40 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	53
Plot 124. EIRP, Mid Channel, 40 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna .....	53
Plot 125. EIRP, High Channel, 40 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna .....	53
Plot 126. EIRP, High Channel, 40 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna .....	54
Plot 127. EIRP, High Channel, 40 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna .....	54
Plot 128. EIRP, High Channel, 40 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna .....	54
Plot 129. EIRP, Low Channel, 3.5 MHz, Chain 0, 29 dBi Antenna.....	55
Plot 130. EIRP, Low Channel, 3.5 MHz, Chain 1, 29 dBi Antenna.....	55
Plot 131. EIRP, Mid Channel, 3.5 MHz, Chain 0, 29 dBi Antenna .....	55
Plot 132. EIRP, Mid Channel, 3.5 MHz, Chain 1, 29 dBi Antenna .....	56
Plot 133. EIRP, High Channel, 3.5 MHz, Chain 0, 29 dBi Antenna .....	56
Plot 134. EIRP, High Channel, 3.5 MHz, Chain 1, 29 dBi Antenna .....	56
Plot 135. EIRP, Low Channel, 5 MHz, Chain 0, 29 dBi Antenna.....	57
Plot 136. EIRP, Low Channel, 5 MHz, Chain 1, 29 dBi Antenna.....	57
Plot 137. EIRP, Mid Channel, 5 MHz, Chain 0, 29 dBi Antenna .....	57
Plot 138. EIRP, Mid Channel, 5 MHz, Chain 1, 29 dBi Antenna .....	58



Plot 139. EIRP, High Channel, 5 MHz, Chain 0, 29 dBi Antenna .....	58
Plot 140. EIRP, High Channel, 5 MHz, Chain 1, 29 dBi Antenna .....	58
Plot 141. EIRP, Low Channel, 7 MHz, Chain 0, 29 dBi Antenna.....	59
Plot 142. EIRP, Low Channel, 7 MHz, Chain 1, 29 dBi Antenna.....	59
Plot 143. EIRP, Mid Channel, 7 MHz, Chain 0, 29 dBi Antenna .....	59
Plot 144. EIRP, Mid Channel, 7 MHz, Chain 1, 29 dBi Antenna .....	60
Plot 145. EIRP, High Channel, 7 MHz, Chain 0, 29 dBi Antenna .....	60
Plot 146. EIRP, High Channel, 7 MHz, Chain 1, 29 dBi Antenna .....	60
Plot 147. EIRP, Low Channel, 10 MHz, Chain 0, 29 dBi Antenna.....	61
Plot 148. EIRP, Low Channel, 10 MHz, Chain 1, 29 dBi Antenna.....	61
Plot 149. EIRP, Mid Channel, 10 MHz, Chain 0, 29 dBi Antenna .....	61
Plot 150. EIRP, Mid Channel, 10 MHz, Chain 1, 29 dBi Antenna .....	62
Plot 151. EIRP, High Channel, 10 MHz, Chain 0, 29 dBi Antenna .....	62
Plot 152. EIRP, High Channel, 10 MHz, Chain 1, 29 dBi Antenna .....	62
Plot 153. EIRP, Low Channel, 14 MHz, Chain 0, 29 dBi Antenna.....	63
Plot 154. EIRP, Low Channel, 14 MHz, Chain 1, 29 dBi Antenna.....	63
Plot 155. EIRP, Mid Channel, 14 MHz, Chain 0, 29 dBi Antenna .....	63
Plot 156. EIRP, Mid Channel, 14 MHz, Chain 1, 29 dBi Antenna .....	64
Plot 157. EIRP, High Channel, 14 MHz, Chain 0, 29 dBi Antenna .....	64
Plot 158. EIRP, High Channel, 14 MHz, Chain 1, 29 dBi Antenna .....	64
Plot 159. EIRP, Low Channel, 20 MHz, Chain 0, 29 dBi Antenna.....	65
Plot 160. EIRP, Low Channel, 20 MHz, Chain 1, 29 dBi Antenna.....	65
Plot 161. EIRP, Mid Channel, 20 MHz, Chain 0, 29 dBi Antenna .....	65
Plot 162. EIRP, Mid Channel, 20 MHz, Chain 1, 29 dBi Antenna .....	66
Plot 163. EIRP, High Channel, 20 MHz, Chain 0, 29 dBi Antenna .....	66
Plot 164. EIRP, High Channel, 20 MHz, Chain 1, 29 dBi Antenna .....	66
Plot 165. EIRP, Low Channel, 28 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	67
Plot 166. EIRP, Low Channel, 28 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna.....	67
Plot 167. EIRP, Low Channel, 28 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	67
Plot 168. EIRP, Low Channel, 28 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna.....	68
Plot 169. EIRP, Mid Channel, 28 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna.....	68
Plot 170. EIRP, Mid Channel, 28 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna .....	68
Plot 171. EIRP, Mid Channel, 28 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna.....	69
Plot 172. EIRP, Mid Channel, 28 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna .....	69
Plot 173. EIRP, High Channel, 28 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	69
Plot 174. EIRP, High Channel, 28 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna .....	70
Plot 175. EIRP, High Channel, 28 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	70
Plot 176. EIRP, High Channel, 28 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna .....	70
Plot 177. EIRP, Low Channel, 30 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	71
Plot 178. EIRP, Low Channel, 30 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna.....	71
Plot 179. EIRP, Low Channel, 30 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	71
Plot 180. EIRP, Low Channel, 30 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna.....	72
Plot 181. EIRP, Mid Channel, 30 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	72
Plot 182. EIRP, Mid Channel, 30 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna .....	72
Plot 183. EIRP, Mid Channel, 30 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna.....	73
Plot 184. EIRP, Mid Channel, 30 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna .....	73
Plot 185. EIRP, High Channel, 30 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	73
Plot 186. EIRP, High Channel, 30 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna .....	74
Plot 187. EIRP, High Channel, 30 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	74
Plot 188. EIRP, High Channel, 30 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna .....	74
Plot 189. EIRP, Low Channel, 40 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	75
Plot 190. EIRP, Low Channel, 40 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna.....	75
Plot 191. EIRP, Low Channel, 40 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	75
Plot 192. EIRP, Low Channel, 40 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna.....	76

Plot 193. EIRP, Mid Channel, 40 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	76
Plot 194. EIRP, Mid Channel, 40 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna .....	76
Plot 195. EIRP, Mid Channel, 40 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	77
Plot 196. EIRP, Mid Channel, 40 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna .....	77
Plot 197. EIRP, High Channel, 40 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna .....	77
Plot 198. EIRP, High Channel, 40 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna .....	78
Plot 199. EIRP, High Channel, 40 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna .....	78
Plot 200. EIRP, High Channel, 40 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna .....	78
Plot 201. PSD, Low Channel, 3.5 MHz, Chain 0, 12 dBi Antenna .....	83
Plot 202. PSD, Low Channel, 3.5 MHz, Chain 1, 12 dBi Antenna .....	83
Plot 203. PSD, Mid Channel, 3.5 MHz, Chain 0, 12 dBi Antenna.....	83
Plot 204. PSD, Mid Channel, 3.5 MHz, Chain 1, 12 dBi Antenna.....	84
Plot 205. PSD, High Channel, 3.5 MHz, Chain 0, 12 dBi Antenna .....	84
Plot 206. PSD, High Channel, 3.5 MHz, Chain 1, 12 dBi Antenna .....	84
Plot 207. PSD, Low Channel, 5 MHz, Chain 0, 12 dBi Antenna .....	85
Plot 208. PSD, Low Channel, 5 MHz, Chain 1, 12 dBi Antenna .....	85
Plot 209. PSD, Mid Channel, 5 MHz, Chain 0, 12 dBi Antenna.....	85
Plot 210. PSD, Mid Channel, 5 MHz, Chain 1, 12 dBi Antenna.....	86
Plot 211. PSD, High Channel, 5 MHz, Chain 0, 12 dBi Antenna .....	86
Plot 212. PSD, High Channel, 5 MHz, Chain 1, 12 dBi Antenna .....	86
Plot 213. PSD, Low Channel, 7 MHz, Chain 0, 12 dBi Antenna .....	87
Plot 214. PSD, Low Channel, 7 MHz, Chain 1, 12 dBi Antenna .....	87
Plot 215. PSD, Mid Channel, 7 MHz, Chain 0, 12 dBi Antenna.....	87
Plot 216. PSD, Mid Channel, 7 MHz, Chain 1, 12 dBi Antenna.....	88
Plot 217. PSD, High Channel, 7 MHz, Chain 0, 12 dBi Antenna .....	88
Plot 218. PSD, High Channel, 7 MHz, Chain 1, 12 dBi Antenna .....	88
Plot 219. PSD, Low Channel, 10 MHz, Chain 0, 12 dBi Antenna .....	89
Plot 220. PSD, Low Channel, 10 MHz, Chain 1, 12 dBi Antenna .....	89
Plot 221. PSD, Mid Channel, 10 MHz, Chain 0, 12 dBi Antenna.....	89
Plot 222. PSD, Mid Channel, 10 MHz, Chain 1, 12 dBi Antenna.....	90
Plot 223. PSD, High Channel, 10 MHz, Chain 0, 12 dBi Antenna .....	90
Plot 224. PSD, High Channel, 10 MHz, Chain 1, 12 dBi Antenna .....	90
Plot 225. PSD, Low Channel, 14 MHz, Chain 0, 12 dBi Antenna .....	91
Plot 226. PSD, Low Channel, 14 MHz, Chain 1, 12 dBi Antenna .....	91
Plot 227. PSD, Mid Channel, 14 MHz, Chain 0, 12 dBi Antenna.....	91
Plot 228. PSD, Mid Channel, 14 MHz, Chain 1, 12 dBi Antenna.....	92
Plot 229. PSD, High Channel, 14 MHz, Chain 0, 12 dBi Antenna .....	92
Plot 230. PSD, High Channel, 14 MHz, Chain 1, 12 dBi Antenna .....	92
Plot 231. PSD, Low Channel, 20 MHz, Chain 0, 12 dBi Antenna .....	93
Plot 232. PSD, Low Channel, 20 MHz, Chain 1, 12 dBi Antenna .....	93
Plot 233. PSD, Mid Channel, 20 MHz, Chain 0, 12 dBi Antenna.....	93
Plot 234. PSD, Mid Channel, 20 MHz, Chain 1, 12 dBi Antenna.....	94
Plot 235. PSD, High Channel, 20 MHz, Chain 0, 12 dBi Antenna .....	94
Plot 236. PSD, High Channel, 20 MHz, Chain 1, 12 dBi Antenna .....	94
Plot 237. PSD, Low Channel, 28 MHz, Chain 0, 12 dBi Antenna .....	95
Plot 238. PSD, Low Channel, 28 MHz, Chain 1, 12 dBi Antenna .....	95
Plot 239. PSD, Mid Channel, 28 MHz, Chain 0, 12 dBi Antenna.....	95
Plot 240. PSD, Mid Channel, 28 MHz, Chain 1, 12 dBi Antenna.....	96
Plot 241. PSD, High Channel, 28 MHz, Chain 0, 12 dBi Antenna .....	96
Plot 242. PSD, High Channel, 28 MHz, Chain 1, 12 dBi Antenna .....	96
Plot 243. PSD, Low Channel, 30 MHz, Chain 0, 12 dBi Antenna .....	97
Plot 244. PSD, Low Channel, 30 MHz, Chain 1, 12 dBi Antenna .....	97
Plot 245. PSD, Mid Channel, 30 MHz, Chain 0, 12 dBi Antenna.....	97
Plot 246. PSD, Mid Channel, 30 MHz, Chain 1, 12 dBi Antenna.....	98

Plot 247. PSD, High Channel, 30 MHz, Chain 0, 12 dBi Antenna .....	98
Plot 248. PSD, High Channel, 30 MHz, Chain 1, 12 dBi Antenna .....	98
Plot 249. PSD, Low Channel, 40 MHz, Chain 0, 12 dBi Antenna .....	99
Plot 250. PSD, Low Channel, 40 MHz, Chain 1, 12 dBi Antenna .....	99
Plot 251. PSD, Mid Channel, 40 MHz, Chain 0, 12 dBi Antenna.....	99
Plot 252. PSD, Mid Channel, 40 MHz, Chain 1, 12 dBi Antenna.....	100
Plot 253. PSD, High Channel, 40 MHz, Chain 0, 12 dBi Antenna .....	100
Plot 254. PSD, High Channel, 40 MHz, Chain 1, 12 dBi Antenna .....	100
Plot 255. PSD, Low Channel, 3.5 MHz, Chain 0, 26 dBi Antenna .....	101
Plot 256. PSD, Low Channel, 3.5 MHz, Chain 1, 26 dBi Antenna .....	101
Plot 257. PSD, Mid Channel, 3.5 MHz, Chain 0, 26 dBi Antenna.....	101
Plot 258. PSD, Mid Channel, 3.5 MHz, Chain 1, 26 dBi Antenna.....	102
Plot 259. PSD, High Channel, 3.5 MHz, Chain 0, 26 dBi Antenna .....	102
Plot 260. PSD, High Channel, 3.5 MHz, Chain 1, 26 dBi Antenna .....	102
Plot 261. PSD, Low Channel, 5 MHz, Chain 0, 26 dBi Antenna .....	103
Plot 262. PSD, Low Channel, 5 MHz, Chain 1, 26 dBi Antenna .....	103
Plot 263. PSD, Mid Channel, 5 MHz, Chain 0, 26 dBi Antenna.....	103
Plot 264. PSD, Mid Channel, 5 MHz, Chain 1, 26 dBi Antenna.....	104
Plot 265. PSD, High Channel, 5 MHz, Chain 0, 26 dBi Antenna .....	104
Plot 266. PSD, High Channel, 5 MHz, Chain 1, 26 dBi Antenna .....	104
Plot 267. PSD, Low Channel, 7 MHz, Chain 0, 26 dBi Antenna .....	105
Plot 268. PSD, Low Channel, 7 MHz, Chain 1, 26 dBi Antenna .....	105
Plot 269. PSD, Mid Channel, 7 MHz, Chain 0, 26 dBi Antenna.....	105
Plot 270. PSD, Mid Channel, 7 MHz, Chain 1, 26 dBi Antenna.....	106
Plot 271. PSD, High Channel, 7 MHz, Chain 0, 26 dBi Antenna .....	106
Plot 272. PSD, High Channel, 7 MHz, Chain 1, 26 dBi Antenna .....	106
Plot 273. PSD, Low Channel, 10 MHz, Chain 0, 26 dBi Antenna.....	107
Plot 274. PSD, Low Channel, 10 MHz, Chain 1, 26 dBi Antenna .....	107
Plot 275. PSD, Mid Channel, 10 MHz, Chain 0, 26 dBi Antenna.....	107
Plot 276. PSD, Mid Channel, 10 MHz, Chain 1, 26 dBi Antenna.....	108
Plot 277. PSD, High Channel, 10 MHz, Chain 0, 26 dBi Antenna .....	108
Plot 278. PSD, High Channel, 10 MHz, Chain 1, 26 dBi Antenna .....	108
Plot 279. PSD, Low Channel, 14 MHz, Chain 0, 26 dBi Antenna .....	109
Plot 280. PSD, Low Channel, 14 MHz, Chain 1, 26 dBi Antenna .....	109
Plot 281. PSD, Mid Channel, 14 MHz, Chain 0, 26 dBi Antenna.....	109
Plot 282. PSD, Mid Channel, 14 MHz, Chain 1, 26 dBi Antenna.....	110
Plot 283. PSD, High Channel, 14 MHz, Chain 0, 26 dBi Antenna .....	110
Plot 284. PSD, High Channel, 14 MHz, Chain 1, 26 dBi Antenna .....	110
Plot 285. PSD, Low Channel, 20 MHz, Chain 0, 26 dBi Antenna.....	111
Plot 286. PSD, Low Channel, 20 MHz, Chain 1, 26 dBi Antenna .....	111
Plot 287. PSD, Mid Channel, 20 MHz, Chain 0, 26 dBi Antenna.....	111
Plot 288. PSD, Mid Channel, 20 MHz, Chain 1, 26 dBi Antenna.....	112
Plot 289. PSD, High Channel, 20 MHz, Chain 0, 26 dBi Antenna .....	112
Plot 290. PSD, High Channel, 20 MHz, Chain 1, 26 dBi Antenna .....	112
Plot 291. PSD, Low Channel, 28 MHz, Chain 0, 26 dBi Antenna .....	113
Plot 292. PSD, Low Channel, 28 MHz, Chain 1, 26 dBi Antenna .....	113
Plot 293. PSD, Mid Channel, 28 MHz, Chain 0, 26 dBi Antenna.....	113
Plot 294. PSD, Mid Channel, 28 MHz, Chain 1, 26 dBi Antenna.....	114
Plot 295. PSD, High Channel, 28 MHz, Chain 0, 26 dBi Antenna .....	114
Plot 296. PSD, High Channel, 28 MHz, Chain 1, 26 dBi Antenna .....	114
Plot 297. PSD, Low Channel, 30 MHz, Chain 0, 26 dBi Antenna.....	115
Plot 298. PSD, Low Channel, 30 MHz, Chain 1, 26 dBi Antenna .....	115
Plot 299. PSD, Mid Channel, 30 MHz, Chain 0, 26 dBi Antenna.....	115
Plot 300. PSD, Mid Channel, 30 MHz, Chain 1, 26 dBi Antenna.....	116

Plot 301. PSD, High Channel, 30 MHz, Chain 0, 26 dBi Antenna .....	116
Plot 302. PSD, High Channel, 30 MHz, Chain 1, 26 dBi Antenna .....	116
Plot 303. PSD, Low Channel, 40 MHz, Chain 0, 26 dBi Antenna .....	117
Plot 304. PSD, Low Channel, 40 MHz, Chain 1, 26 dBi Antenna .....	117
Plot 305. PSD, Mid Channel, 40 MHz, Chain 0, 26 dBi Antenna .....	117
Plot 306. PSD, Mid Channel, 40 MHz, Chain 1, 26 dBi Antenna .....	118
Plot 307. PSD, High Channel, 40 MHz, Chain 0, 26 dBi Antenna .....	118
Plot 308. PSD, High Channel, 40 MHz, Chain 1, 26 dBi Antenna .....	118
Plot 309. PSD, Low Channel, 3.5 MHz, Chain 0, 29 dBi Antenna .....	119
Plot 310. PSD, Low Channel, 3.5 MHz, Chain 1, 29 dBi Antenna .....	119
Plot 311. PSD, Mid Channel, 3.5 MHz, Chain 0, 29 dBi Antenna .....	119
Plot 312. PSD, Mid Channel, 3.5 MHz, Chain 1, 29 dBi Antenna .....	120
Plot 313. PSD, High Channel, 3.5 MHz, Chain 0, 29 dBi Antenna .....	120
Plot 314. PSD, High Channel, 3.5 MHz, Chain 1, 29 dBi Antenna .....	120
Plot 315. PSD, Low Channel, 5 MHz, Chain 0, 29 dBi Antenna .....	121
Plot 316. PSD, Low Channel, 5 MHz, Chain 1, 29 dBi Antenna .....	121
Plot 317. PSD, Mid Channel, 5 MHz, Chain 0, 29 dBi Antenna .....	121
Plot 318. PSD, Mid Channel, 5 MHz, Chain 1, 29 dBi Antenna .....	122
Plot 319. PSD, High Channel, 5 MHz, Chain 0, 29 dBi Antenna .....	122
Plot 320. PSD, High Channel, 5 MHz, Chain 1, 29 dBi Antenna .....	122
Plot 321. PSD, Low Channel, 7 MHz, Chain 0, 29 dBi Antenna .....	123
Plot 322. PSD, Low Channel, 7 MHz, Chain 1, 29 dBi Antenna .....	123
Plot 323. PSD, Mid Channel, 7 MHz, Chain 0, 29 dBi Antenna .....	123
Plot 324. PSD, Mid Channel, 7 MHz, Chain 1, 29 dBi Antenna .....	124
Plot 325. PSD, High Channel, 7 MHz, Chain 0, 29 dBi Antenna .....	124
Plot 326. PSD, High Channel, 7 MHz, Chain 1, 29 dBi Antenna .....	124
Plot 327. PSD, Low Channel, 10 MHz, Chain 0, 29 dBi Antenna .....	125
Plot 328. PSD, Low Channel, 10 MHz, Chain 1, 29 dBi Antenna .....	125
Plot 329. PSD, Mid Channel, 10 MHz, Chain 0, 29 dBi Antenna .....	125
Plot 330. PSD, Mid Channel, 10 MHz, Chain 1, 29 dBi Antenna .....	126
Plot 331. PSD, High Channel, 10 MHz, Chain 0, 29 dBi Antenna .....	126
Plot 332. PSD, High Channel, 10 MHz, Chain 1, 29 dBi Antenna .....	126
Plot 333. PSD, Low Channel, 14 MHz, Chain 0, 29 dBi Antenna .....	127
Plot 334. PSD, Low Channel, 14 MHz, Chain 1, 29 dBi Antenna .....	127
Plot 335. PSD, Mid Channel, 14 MHz, Chain 0, 29 dBi Antenna .....	127
Plot 336. PSD, Mid Channel, 14 MHz, Chain 1, 29 dBi Antenna .....	128
Plot 337. PSD, High Channel, 14 MHz, Chain 0, 29 dBi Antenna .....	128
Plot 338. PSD, High Channel, 14 MHz, Chain 1, 29 dBi Antenna .....	128
Plot 339. PSD, Low Channel, 20 MHz, Chain 0, 29 dBi Antenna .....	129
Plot 340. PSD, Low Channel, 20 MHz, Chain 1, 29 dBi Antenna .....	129
Plot 341. PSD, Mid Channel, 20 MHz, Chain 0, 29 dBi Antenna .....	129
Plot 342. PSD, Mid Channel, 20 MHz, Chain 1, 29 dBi Antenna .....	130
Plot 343. PSD, High Channel, 20 MHz, Chain 0, 29 dBi Antenna .....	130
Plot 344. PSD, High Channel, 20 MHz, Chain 1, 29 dBi Antenna .....	130
Plot 345. PSD, Low Channel, 28 MHz, Chain 0, 29 dBi Antenna .....	131
Plot 346. PSD, Low Channel, 28 MHz, Chain 1, 29 dBi Antenna .....	131
Plot 347. PSD, Mid Channel, 28 MHz, Chain 0, 29 dBi Antenna .....	131
Plot 348. PSD, Mid Channel, 28 MHz, Chain 1, 29 dBi Antenna .....	132
Plot 349. PSD, High Channel, 28 MHz, Chain 0, 29 dBi Antenna .....	132
Plot 350. PSD, High Channel, 28 MHz, Chain 1, 29 dBi Antenna .....	132
Plot 351. PSD, Low Channel, 30 MHz, Chain 0, 29 dBi Antenna .....	133
Plot 352. PSD, Low Channel, 30 MHz, Chain 1, 29 dBi Antenna .....	133
Plot 353. PSD, Mid Channel, 30 MHz, Chain 0, 29 dBi Antenna .....	133
Plot 354. PSD, Mid Channel, 30 MHz, Chain 1, 29 dBi Antenna .....	134

Plot 355. PSD, High Channel, 30 MHz, Chain 0, 29 dBi Antenna .....	134
Plot 356. PSD, High Channel, 30 MHz, Chain 1, 29 dBi Antenna .....	134
Plot 357. PSD, Low Channel, 40 MHz, Chain 0, 29 dBi Antenna .....	135
Plot 358. PSD, Low Channel, 40 MHz, Chain 1, 29 dBi Antenna .....	135
Plot 359. PSD, Mid Channel, 40 MHz, Chain 0, 29 dBi Antenna.....	135
Plot 360. PSD, Mid Channel, 40 MHz, Chain 1, 29 dBi Antenna.....	136
Plot 361. PSD, High Channel, 40 MHz, Chain 0, 29 dBi Antenna .....	136
Plot 362. PSD, High Channel, 40 MHz, Chain 1, 29 dBi Antenna .....	136
Plot 363. 26 dB Occupied Bandwidth, Low Channel, 3.5 MHz, Chain 0 .....	139
Plot 364. 26 dB Occupied Bandwidth, Low Channel, 3.5 MHz, Chain 1 .....	139
Plot 365. 26 dB Occupied Bandwidth, Mid Channel, 3.5 MHz, Chain 0 .....	139
Plot 366. 26 dB Occupied Bandwidth, Mid Channel, 3.5 MHz, Chain 1 .....	140
Plot 367. 26 dB Occupied Bandwidth, High Channel, 3.5 MHz, Chain 0 .....	140
Plot 368. 26 dB Occupied Bandwidth, High Channel, 3.5 MHz, Chain 1 .....	140
Plot 369. 26 dB Occupied Bandwidth, Low Channel, 5 MHz, Chain 0 .....	141
Plot 370. 26 dB Occupied Bandwidth, Low Channel, 5 MHz, Chain 1 .....	141
Plot 371. 26 dB Occupied Bandwidth, Mid Channel, 5 MHz, Chain 0 .....	141
Plot 372. 26 dB Occupied Bandwidth, Mid Channel, 5 MHz, Chain 1 .....	142
Plot 373. 26 dB Occupied Bandwidth, High Channel, 5 MHz, Chain 0 .....	142
Plot 374. 26 dB Occupied Bandwidth, High Channel, 5 MHz, Chain 1 .....	142
Plot 375. 26 dB Occupied Bandwidth, Low Channel, 7 MHz, Chain 0 .....	143
Plot 376. 26 dB Occupied Bandwidth, Low Channel, 7 MHz, Chain 1 .....	143
Plot 377. 26 dB Occupied Bandwidth, Mid Channel, 7 MHz, Chain 0.....	143
Plot 378. 26 dB Occupied Bandwidth, Mid Channel, 7 MHz, Chain 1 .....	144
Plot 379. 26 dB Occupied Bandwidth, High Channel, 7 MHz, Chain 0 .....	144
Plot 380. 26 dB Occupied Bandwidth, High Channel, 7 MHz, Chain 1 .....	144
Plot 381. 26 dB Occupied Bandwidth, Low Channel, 10 MHz, Chain 0 .....	145
Plot 382. 26 dB Occupied Bandwidth, Low Channel, 10 MHz, Chain 1 .....	145
Plot 383. 26 dB Occupied Bandwidth, Mid Channel, 10 MHz, Chain 0 .....	145
Plot 384. 26 dB Occupied Bandwidth, Mid Channel, 10 MHz, Chain 1 .....	146
Plot 385. 26 dB Occupied Bandwidth, High Channel, 10 MHz, Chain 0 .....	146
Plot 386. 26 dB Occupied Bandwidth, High Channel, 10 MHz, Chain 1 .....	146
Plot 387. 26 dB Occupied Bandwidth, Low Channel, 14 MHz, Chain 0 .....	147
Plot 388. 26 dB Occupied Bandwidth, Low Channel, 14 MHz, Chain 1 .....	147
Plot 389. 26 dB Occupied Bandwidth, Mid Channel, 14 MHz, Chain 0.....	147
Plot 390. 26 dB Occupied Bandwidth, Mid Channel, 14 MHz, Chain 1 .....	148
Plot 391. 26 dB Occupied Bandwidth, High Channel, 14 MHz, Chain 0 .....	148
Plot 392. 26 dB Occupied Bandwidth, High Channel, 14 MHz, Chain 1 .....	148
Plot 393. 26 dB Occupied Bandwidth, Low Channel, 20 MHz, Chain 0 .....	149
Plot 394. 26 dB Occupied Bandwidth, Low Channel, 20 MHz, Chain 1 .....	149
Plot 395. 26 dB Occupied Bandwidth, Mid Channel, 20 MHz, Chain 0 .....	149
Plot 396. 26 dB Occupied Bandwidth, Mid Channel, 20 MHz, Chain 1 .....	150
Plot 397. 26 dB Occupied Bandwidth, High Channel, 20 MHz, Chain 0 .....	150
Plot 398. 26 dB Occupied Bandwidth, High Channel, 20 MHz, Chain 1 .....	150
Plot 399. 26 dB Occupied Bandwidth, Low Channel, 28 MHz, Chain 0 .....	151
Plot 400. 26 dB Occupied Bandwidth, Low Channel, 28 MHz, Chain 1 .....	151
Plot 401. 26 dB Occupied Bandwidth, Mid Channel, 28 MHz, Chain 0.....	151
Plot 402. 26 dB Occupied Bandwidth, Mid Channel, 28 MHz, Chain 1 .....	152
Plot 403. 26 dB Occupied Bandwidth, High Channel, 28 MHz, Chain 0 .....	152
Plot 404. 26 dB Occupied Bandwidth, High Channel, 28 MHz, Chain 1 .....	152
Plot 405. 26 dB Occupied Bandwidth, Low Channel, 30 MHz, Chain 0 .....	153
Plot 406. 26 dB Occupied Bandwidth, Low Channel, 30 MHz, Chain 1 .....	153
Plot 407. 26 dB Occupied Bandwidth, Mid Channel, 30 MHz, Chain 0 .....	153
Plot 408. 26 dB Occupied Bandwidth, Mid Channel, 30 MHz, Chain 1 .....	154

Plot 409. 26 dB Occupied Bandwidth, High Channel, 30 MHz, Chain 0 .....	154
Plot 410. 26 dB Occupied Bandwidth, High Channel, 30 MHz, Chain 1 .....	154
Plot 411. 26 dB Occupied Bandwidth, Low Channel, 40 MHz, Chain 0 .....	155
Plot 412. 26 dB Occupied Bandwidth, Low Channel, 40 MHz, Chain 1 .....	155
Plot 413. 26 dB Occupied Bandwidth, Mid Channel, 40 MHz, Chain 0 .....	155
Plot 414. 26 dB Occupied Bandwidth, Mid Channel, 40 MHz, Chain 1 .....	156
Plot 415. 26 dB Occupied Bandwidth, High Channel, 40 MHz, Chain 0 .....	156
Plot 416. 26 dB Occupied Bandwidth, High Channel, 40 MHz, Chain 1 .....	156
Plot 417. 99% Occupied Bandwidth, Low Channel, 3.5 MHz, Chain 0 .....	157
Plot 418. 99% Occupied Bandwidth, Low Channel, 3.5 MHz, Chain 1 .....	157
Plot 419. 99% Occupied Bandwidth, Mid Channel, 3.5 MHz, Chain 0 .....	157
Plot 420. 99% Occupied Bandwidth, Mid Channel, 3.5 MHz, Chain 1 .....	158
Plot 421. 99% Occupied Bandwidth, High Channel, 3.5 MHz, Chain 0 .....	158
Plot 422. 99% Occupied Bandwidth, High Channel, 3.5 MHz, Chain 1 .....	158
Plot 423. 99% Occupied Bandwidth, Low Channel, 5 MHz, Chain 0 .....	159
Plot 424. 99% Occupied Bandwidth, Low Channel, 5 MHz, Chain 1 .....	159
Plot 425. 99% Occupied Bandwidth, Mid Channel, 5 MHz, Chain 0 .....	159
Plot 426. 99% Occupied Bandwidth, Mid Channel, 5 MHz, Chain 1 .....	160
Plot 427. 99% Occupied Bandwidth, High Channel, 5 MHz, Chain 0 .....	160
Plot 428. 99% Occupied Bandwidth, High Channel, 5 MHz, Chain 1 .....	160
Plot 429. 99% Occupied Bandwidth, Low Channel, 7 MHz, Chain 0 .....	161
Plot 430. 99% Occupied Bandwidth, Low Channel, 7 MHz, Chain 1 .....	161
Plot 431. 99% Occupied Bandwidth, Mid Channel, 7 MHz, Chain 0 .....	161
Plot 432. 99% Occupied Bandwidth, Mid Channel, 7 MHz, Chain 1 .....	162
Plot 433. 99% Occupied Bandwidth, High Channel, 7 MHz, Chain 0 .....	162
Plot 434. 99% Occupied Bandwidth, High Channel, 7 MHz, Chain 1 .....	162
Plot 435. 99% Occupied Bandwidth, Low Channel, 10 MHz, Chain 0 .....	163
Plot 436. 99% Occupied Bandwidth, Low Channel, 10 MHz, Chain 1 .....	163
Plot 437. 99% Occupied Bandwidth, Mid Channel, 10 MHz, Chain 0 .....	163
Plot 438. 99% Occupied Bandwidth, Mid Channel, 10 MHz, Chain 1 .....	164
Plot 439. 99% Occupied Bandwidth, High Channel, 10 MHz, Chain 0 .....	164
Plot 440. 99% Occupied Bandwidth, High Channel, 10 MHz, Chain 1 .....	164
Plot 441. 99% Occupied Bandwidth, Low Channel, 14 MHz, Chain 0 .....	165
Plot 442. 99% Occupied Bandwidth, Low Channel, 14 MHz, Chain 1 .....	165
Plot 443. 99% Occupied Bandwidth, Mid Channel, 14 MHz, Chain 0 .....	165
Plot 444. 99% Occupied Bandwidth, Mid Channel, 14 MHz, Chain 1 .....	166
Plot 445. 99% Occupied Bandwidth, High Channel, 14 MHz, Chain 0 .....	166
Plot 446. 99% Occupied Bandwidth, High Channel, 14 MHz, Chain 1 .....	166
Plot 447. 99% Occupied Bandwidth, Low Channel, 20 MHz, Chain 0 .....	167
Plot 448. 99% Occupied Bandwidth, Low Channel, 20 MHz, Chain 1 .....	167
Plot 449. 99% Occupied Bandwidth, Mid Channel, 20 MHz, Chain 0 .....	167
Plot 450. 99% Occupied Bandwidth, Mid Channel, 20 MHz, Chain 1 .....	168
Plot 451. 99% Occupied Bandwidth, High Channel, 20 MHz, Chain 0 .....	168
Plot 452. 99% Occupied Bandwidth, High Channel, 20 MHz, Chain 1 .....	168
Plot 453. 99% Occupied Bandwidth, Low Channel, 28 MHz, Chain 0 .....	169
Plot 454. 99% Occupied Bandwidth, Low Channel, 28 MHz, Chain 1 .....	169
Plot 455. 99% Occupied Bandwidth, Mid Channel, 28 MHz, Chain 0 .....	169
Plot 456. 99% Occupied Bandwidth, Mid Channel, 28 MHz, Chain 1 .....	170
Plot 457. 99% Occupied Bandwidth, High Channel, 28 MHz, Chain 0 .....	170
Plot 458. 99% Occupied Bandwidth, High Channel, 28 MHz, Chain 1 .....	170
Plot 459. 99% Occupied Bandwidth, Low Channel, 30 MHz, Chain 0 .....	171
Plot 460. 99% Occupied Bandwidth, Low Channel, 30 MHz, Chain 1 .....	171
Plot 461. 99% Occupied Bandwidth, Mid Channel, 30 MHz, Chain 0 .....	171
Plot 462. 99% Occupied Bandwidth, Mid Channel, 30 MHz, Chain 1 .....	172

Plot 463. 99% Occupied Bandwidth, High Channel, 30 MHz, Chain 0 .....	172
Plot 464. 99% Occupied Bandwidth, High Channel, 30 MHz, Chain 1 .....	172
Plot 465. 99% Occupied Bandwidth, Low Channel, 40 MHz, Chain 0 .....	173
Plot 466. 99% Occupied Bandwidth, Low Channel, 40 MHz, Chain 1 .....	173
Plot 467. 99% Occupied Bandwidth, Mid Channel, 40 MHz, Chain 0 .....	173
Plot 468. 99% Occupied Bandwidth, Mid Channel, 40 MHz, Chain 1 .....	174
Plot 469. 99% Occupied Bandwidth, High Channel, 40 MHz, Chain 0 .....	174
Plot 470. 99% Occupied Bandwidth, High Channel, 40 MHz, Chain 1 .....	174
Plot 471. Conducted Spurious Emissions, Low Channel, 3.5 MHz, 30 MHz – 1 GHz, Chain 0 .....	176
Plot 472. Conducted Spurious Emissions, Low Channel, 3.5 MHz, 1 GHz – 40 GHz, Chain 0 .....	176
Plot 473. Conducted Spurious Emissions, Mid Channel, 3.5 MHz, 30 MHz – 1 GHz, Chain 0 .....	176
Plot 474. Conducted Spurious Emissions, Mid Channel, 3.5 MHz, 1 GHz – 40 GHz, Chain 0 .....	177
Plot 475. Conducted Spurious Emissions, High Channel, 3.5 MHz, 30 MHz – 1 GHz, Chain 0 .....	177
Plot 476. Conducted Spurious Emissions, High Channel, 3.5 MHz, 1 GHz – 40 GHz, Chain 0 .....	177
Plot 477. Conducted Spurious Emissions, Low Channel, 3.5 MHz, 30 MHz – 1 GHz, Chain 1 .....	178
Plot 478. Conducted Spurious Emissions, Low Channel, 3.5 MHz, 1 GHz – 40 GHz, Chain 1 .....	178
Plot 479. Conducted Spurious Emissions, Mid Channel, 3.5 MHz, 30 MHz – 1 GHz, Chain 1 .....	178
Plot 480. Conducted Spurious Emissions, Mid Channel, 3.5 MHz, 1 GHz – 40 GHz, Chain 1 .....	179
Plot 481. Conducted Spurious Emissions, High Channel, 3.5 MHz, 30 MHz – 1 GHz, Chain 1 .....	179
Plot 482. Conducted Spurious Emissions, High Channel, 3.5 MHz, 1 GHz – 40 GHz, Chain 1 .....	179
Plot 483. Conducted Spurious Emissions, Low Channel, 5 MHz, 30 MHz – 1 GHz, Chain 0 .....	180
Plot 484. Conducted Spurious Emissions, Low Channel, 5 MHz, 1 GHz – 40 GHz, Chain 0 .....	180
Plot 485. Conducted Spurious Emissions, Mid Channel, 5 MHz, 30 MHz – 1 GHz, Chain 0 .....	180
Plot 486. Conducted Spurious Emissions, Mid Channel, 5 MHz, 1 GHz – 40 GHz, Chain 0 .....	181
Plot 487. Conducted Spurious Emissions, High Channel, 5 MHz, 30 MHz – 1 GHz, Chain 0 .....	181
Plot 488. Conducted Spurious Emissions, High Channel, 5 MHz, 1 GHz – 40 GHz, Chain 0 .....	181
Plot 489. Conducted Spurious Emissions, Low Channel, 5 MHz, 30 MHz – 1 GHz, Chain 1 .....	182
Plot 490. Conducted Spurious Emissions, Low Channel, 5 MHz, 1 GHz – 40 GHz, Chain 1 .....	182
Plot 491. Conducted Spurious Emissions, Mid Channel, 5 MHz, 30 MHz – 1 GHz, Chain 1 .....	182
Plot 492. Conducted Spurious Emissions, Mid Channel, 5 MHz, 1 GHz – 40 GHz, Chain 1 .....	183
Plot 493. Conducted Spurious Emissions, High Channel, 5 MHz, 30 MHz – 1 GHz, Chain 1 .....	183
Plot 494. Conducted Spurious Emissions, High Channel, 5 MHz, 1 GHz – 40 GHz, Chain 1 .....	183
Plot 495. Conducted Spurious Emissions, Low Channel, 7 MHz, 30 MHz – 1 GHz, Chain 0 .....	184
Plot 496. Conducted Spurious Emissions, Low Channel, 7 MHz, 1 GHz – 40 GHz, Chain 0 .....	184
Plot 497. Conducted Spurious Emissions, Mid Channel, 7 MHz, 30 MHz – 1 GHz, Chain 0 .....	184
Plot 498. Conducted Spurious Emissions, Mid Channel, 7 MHz, 1 GHz – 40 GHz, Chain 0 .....	185
Plot 499. Conducted Spurious Emissions, High Channel, 7 MHz, 30 MHz – 1 GHz, Chain 0 .....	185
Plot 500. Conducted Spurious Emissions, High Channel, 7 MHz, 1 GHz – 40 GHz, Chain 0 .....	185
Plot 501. Conducted Spurious Emissions, Low Channel, 7 MHz, 30 MHz – 1 GHz, Chain 1 .....	186
Plot 502. Conducted Spurious Emissions, Low Channel, 7 MHz, 1 GHz – 40 GHz, Chain 1 .....	186
Plot 503. Conducted Spurious Emissions, Mid Channel, 7 MHz, 30 MHz – 1 GHz, Chain 1 .....	186
Plot 504. Conducted Spurious Emissions, Mid Channel, 7 MHz, 1 GHz – 40 GHz, Chain 1 .....	187
Plot 505. Conducted Spurious Emissions, High Channel, 7 MHz, 30 MHz – 1 GHz, Chain 1 .....	187
Plot 506. Conducted Spurious Emissions, High Channel, 7 MHz, 1 GHz – 40 GHz, Chain 1 .....	187
Plot 507. Conducted Spurious Emissions, Low Channel, 10 MHz, 30 MHz – 1 GHz, Chain 0 .....	188
Plot 508. Conducted Spurious Emissions, Low Channel, 10 MHz, 1 GHz – 40 GHz, Chain 0 .....	188
Plot 509. Conducted Spurious Emissions, Mid Channel, 10 MHz, 30 MHz – 1 GHz, Chain 0 .....	188
Plot 510. Conducted Spurious Emissions, Mid Channel, 10 MHz, 1 GHz – 40 GHz, Chain 0 .....	189
Plot 511. Conducted Spurious Emissions, High Channel, 10 MHz, 30 MHz – 1 GHz, Chain 0 .....	189
Plot 512. Conducted Spurious Emissions, High Channel, 10 MHz, 1 GHz – 40 GHz, Chain 0 .....	189
Plot 513. Conducted Spurious Emissions, Low Channel, 10 MHz, 30 MHz – 1 GHz, Chain 1 .....	190
Plot 514. Conducted Spurious Emissions, Low Channel, 10 MHz, 1 GHz – 40 GHz, Chain 1 .....	190
Plot 515. Conducted Spurious Emissions, Mid Channel, 10 MHz, 30 MHz – 1 GHz, Chain 1 .....	190
Plot 516. Conducted Spurious Emissions, Mid Channel, 10 MHz, 1 GHz – 40 GHz, Chain 1 .....	191

Plot 517. Conducted Spurious Emissions, High Channel, 10 MHz, 30 MHz – 1 GHz, Chain 1.....	191
Plot 518. Conducted Spurious Emissions, High Channel, 10 MHz, 1 GHz – 40 GHz, Chain 1 .....	191
Plot 519. Conducted Spurious Emissions, Low Channel, 14 GHz, 30 MHz – 1 GHz, Chain 0.....	192
Plot 520. Conducted Spurious Emissions, Low Channel, 14 MHz, 1 GHz – 40 GHz, Chain 0.....	192
Plot 521. Conducted Spurious Emissions, Mid Channel, 14 GHz, 30 MHz – 1 GHz, Chain 0 .....	192
Plot 522. Conducted Spurious Emissions, Mid Channel, 14 MHz, 1 GHz – 40 GHz, Chain 0 .....	193
Plot 523. Conducted Spurious Emissions, High Channel, 14 MHz, 30 MHz – 1 GHz, Chain 0.....	193
Plot 524. Conducted Spurious Emissions, High Channel, 14 MHz, 1 GHz – 40 GHz, Chain 0 .....	193
Plot 525. Conducted Spurious Emissions, Low Channel, 14 GHz, 30 MHz – 1 GHz, Chain 1.....	194
Plot 526. Conducted Spurious Emissions, Low Channel, 14 MHz, 1 GHz – 40 GHz, Chain 1.....	194
Plot 527. Conducted Spurious Emissions, Mid Channel, 14 GHz, 30 MHz – 1 GHz, Chain 1 .....	194
Plot 528. Conducted Spurious Emissions, Mid Channel, 14 MHz, 1 GHz – 40 GHz, Chain 1 .....	195
Plot 529. Conducted Spurious Emissions, High Channel, 14 MHz, 30 MHz – 1 GHz, Chain 1.....	195
Plot 530. Conducted Spurious Emissions, High Channel, 14 MHz, 1 GHz – 40 GHz, Chain 1 .....	195
Plot 531. Conducted Spurious Emissions, Low Channel, 20 MHz, 30 MHz – 1 GHz, Chain 0 .....	196
Plot 532. Conducted Spurious Emissions, Low Channel, 20 MHz, 1 GHz – 40 GHz, Chain 0.....	196
Plot 533. Conducted Spurious Emissions, Mid Channel, 20 MHz, 30 MHz – 1 GHz, Chain 0.....	196
Plot 534. Conducted Spurious Emissions, Mid Channel, 20 MHz, 1 GHz – 40 GHz, Chain 0 .....	197
Plot 535. Conducted Spurious Emissions, High Channel, 20 MHz, 30 MHz – 1 GHz, Chain 0.....	197
Plot 536. Conducted Spurious Emissions, High Channel, 20 MHz, 1 GHz – 40 GHz, Chain 0.....	197
Plot 537. Conducted Spurious Emissions, Low Channel, 20 MHz, 30 MHz – 1 GHz, Chain 1 .....	198
Plot 538. Conducted Spurious Emissions, Low Channel, 20 MHz, 1 GHz – 40 GHz, Chain 1.....	198
Plot 539. Conducted Spurious Emissions, Mid Channel, 20 MHz, 30 MHz – 1 GHz, Chain 1.....	198
Plot 540. Conducted Spurious Emissions, Mid Channel, 20 MHz, 1 GHz – 40 GHz, Chain 1 .....	199
Plot 541. Conducted Spurious Emissions, High Channel, 20 MHz, 30 MHz – 1 GHz, Chain 1.....	199
Plot 542. Conducted Spurious Emissions, High Channel, 20 MHz, 1 GHz – 40 GHz, Chain 1 .....	199
Plot 543. Conducted Spurious Emissions, Low Channel, 28 MHz, 30 MHz – 1 GHz, Chain 0 .....	200
Plot 544. Conducted Spurious Emissions, Low Channel, 28 MHz, 1 GHz – 40 GHz, Chain 0.....	200
Plot 545. Conducted Spurious Emissions, Mid Channel, 28 MHz, 30 MHz – 1 GHz, Chain 0.....	200
Plot 546. Conducted Spurious Emissions, Mid Channel, 28 MHz, 1 GHz – 40 GHz, Chain 0 .....	201
Plot 547. Conducted Spurious Emissions, High Channel, 28 MHz, 30 MHz – 1 GHz, Chain 0.....	201
Plot 548. Conducted Spurious Emissions, High Channel, 28 MHz, 1 GHz – 40 GHz, Chain 0.....	201
Plot 549. Conducted Spurious Emissions, Low Channel, 28 MHz, 30 MHz – 1 GHz, Chain 1 .....	202
Plot 550. Conducted Spurious Emissions, Low Channel, 28 MHz, 1 GHz – 40 GHz, Chain 1.....	202
Plot 551. Conducted Spurious Emissions, Mid Channel, 28 MHz, 30 MHz – 1 GHz, Chain 1 .....	202
Plot 552. Conducted Spurious Emissions, Mid Channel, 28 MHz, 1 GHz – 40 GHz, Chain 1 .....	203
Plot 553. Conducted Spurious Emissions, High Channel, 28 MHz, 30 MHz – 1 GHz, Chain 1.....	203
Plot 554. Conducted Spurious Emissions, High Channel, 28 MHz, 1 GHz – 40 GHz, Chain 1 .....	203
Plot 555. Conducted Spurious Emissions, Low Channel, 30 MHz, 30 MHz – 1 GHz, Chain 0 .....	204
Plot 556. Conducted Spurious Emissions, Low Channel, 30 MHz, 1 GHz – 40 GHz, Chain 0.....	204
Plot 557. Conducted Spurious Emissions, Mid Channel, 30 MHz, 30 MHz – 1 GHz, Chain 0.....	204
Plot 558. Conducted Spurious Emissions, Mid Channel, 30 MHz, 1 GHz – 40 GHz, Chain 0.....	205
Plot 559. Conducted Spurious Emissions, High Channel, 30 MHz, 30 MHz – 1 GHz, Chain 0.....	205
Plot 560. Conducted Spurious Emissions, High Channel, 30 MHz, 1 GHz – 40 GHz, Chain 0.....	205
Plot 561. Conducted Spurious Emissions, Low Channel, 30 MHz, 30 MHz – 1 GHz, Chain 1 .....	206
Plot 562. Conducted Spurious Emissions, Low Channel, 30 MHz, 1 GHz – 40 GHz, Chain 1.....	206
Plot 563. Conducted Spurious Emissions, Mid Channel, 30 MHz, 30 MHz – 1 GHz, Chain 1.....	206
Plot 564. Conducted Spurious Emissions, Mid Channel, 30 MHz, 1 GHz – 40 GHz, Chain 1 .....	207
Plot 565. Conducted Spurious Emissions, High Channel, 30 MHz, 30 MHz – 1 GHz, Chain 1.....	207
Plot 566. Conducted Spurious Emissions, High Channel, 30 MHz, 1 GHz – 40 GHz, Chain 1 .....	207
Plot 567. Conducted Spurious Emissions, Low Channel, 40 MHz, 30 MHz – 1 GHz, Chain 0 .....	208
Plot 568. Conducted Spurious Emissions, Low Channel, 40 MHz, 1 GHz – 40 GHz, Chain 0.....	208
Plot 569. Conducted Spurious Emissions, Mid Channel, 40 MHz, 30 MHz – 1 GHz, Chain 0.....	208
Plot 570. Conducted Spurious Emissions, Mid Channel, 40 MHz, 1 GHz – 40 GHz, Chain 0 .....	209



Plot 571. Conducted Spurious Emissions, High Channel, 40 MHz, 30 MHz – 1 GHz, Chain 0.....	209
Plot 572. Conducted Spurious Emissions, High Channel, 40 MHz, 1 GHz – 40 GHz, Chain 0.....	209
Plot 573. Conducted Spurious Emissions, Low Channel, 40 MHz, 30 MHz – 1 GHz, Chain 1.....	210
Plot 574. Conducted Spurious Emissions, Low Channel, 40 MHz, 1 GHz – 40 GHz, Chain 1.....	210
Plot 575. Conducted Spurious Emissions, Mid Channel, 40 MHz, 30 MHz – 1 GHz, Chain 1.....	210
Plot 576. Conducted Spurious Emissions, Mid Channel, 40 MHz, 1 GHz – 40 GHz, Chain 1.....	211
Plot 577. Conducted Spurious Emissions, High Channel, 40 MHz, 30 MHz – 1 GHz, Chain 1.....	211
Plot 578. Conducted Spurious Emissions, High Channel, 40 MHz, 1 GHz – 40 GHz, Chain 1.....	211
Plot 579. Conducted Band Edge, Low Channel, 3.5 MHz, Chain 0.....	212
Plot 580. Conducted Band Edge, High Channel, 3.5 MHz, Chain 0.....	212
Plot 581. Conducted Band Edge, Low Channel, 3.5 MHz, Chain 1.....	212
Plot 582. Conducted Band Edge, High Channel, 3.5 MHz, Chain 1.....	213
Plot 583. Conducted Band Edge, Low Channel, 5 MHz, Chain 0.....	213
Plot 584. Conducted Band Edge, High Channel, 5 MHz, Chain 0.....	213
Plot 585. Conducted Band Edge, Low Channel, 5 MHz, Chain 1.....	214
Plot 586. Conducted Band Edge, High Channel, 5 MHz, Chain 1.....	214
Plot 587. Conducted Band Edge, Low Channel, 7 MHz, Chain 0.....	214
Plot 588. Conducted Band Edge, High Channel, 7 MHz, Chain 0.....	215
Plot 589. Conducted Band Edge, Low Channel, 7 MHz, Chain 1.....	215
Plot 590. Conducted Band Edge, High Channel, 7 MHz, Chain 1.....	215
Plot 591. Conducted Band Edge, Low Channel, 10 MHz, Chain 0.....	216
Plot 592. Conducted Band Edge, High Channel, 10 MHz, Chain 0.....	216
Plot 593. Conducted Band Edge, Low Channel, 10 MHz, Chain 1.....	216
Plot 594. Conducted Band Edge, High Channel, 10 MHz, Chain 1.....	217
Plot 595. Conducted Band Edge, Low Channel, 14 GHz, Chain 0.....	217
Plot 596. Conducted Band Edge, High Channel, 14 MHz, Chain 0.....	217
Plot 597. Conducted Band Edge, Low Channel, 14 GHz, Chain 1.....	218
Plot 598. Conducted Band Edge, High Channel, 14 MHz, Chain 1.....	218
Plot 599. Conducted Band Edge, Low Channel, 20 MHz, Chain 0.....	218
Plot 600. Conducted Band Edge, High Channel, 20 MHz, Chain 0.....	219
Plot 601. Conducted Band Edge, Low Channel, 20 MHz, Chain 1.....	219
Plot 602. Conducted Band Edge, High Channel, 20 MHz, Chain 1.....	219
Plot 603. Conducted Band Edge, Low Channel, 28 MHz, Chain 0.....	220
Plot 604. Conducted Band Edge, High Channel, 28 MHz, Chain 0.....	220
Plot 605. Conducted Band Edge, Low Channel, 28 MHz, Chain 1.....	220
Plot 606. Conducted Band Edge, High Channel, 28 MHz, Chain 1.....	221
Plot 607. Conducted Band Edge, Low Channel, 30 MHz, Chain 0.....	221
Plot 608. Conducted Band Edge, High Channel, 30 MHz, Chain 0.....	221
Plot 609. Conducted Band Edge, Low Channel, 30 MHz, Chain 1.....	222
Plot 610. Conducted Band Edge, High Channel, 30 MHz, Chain 1.....	222
Plot 611. Conducted Band Edge, Low Channel, 40 MHz, Chain 0.....	222
Plot 612. Conducted Band Edge, High Channel, 40 MHz, Chain 0.....	223
Plot 613. Conducted Band Edge, Low Channel, 40 MHz, Chain 1.....	223
Plot 614. Conducted Band Edge, High Channel, 40 MHz, Chain 1.....	223
Plot 615. Radiated Spurious Emissions, Low Channel, 3.5 MHz, 30 MHz – 1 GHz.....	225
Plot 616. Radiated Spurious Emissions, Low Channel, 3.5 MHz, 1 GHz – 18 GHz.....	225
Plot 617. Radiated Spurious Emissions, Low Channel, 3.5 MHz, 18 GHz – 40 GHz.....	225
Plot 618. Radiated Spurious Emissions, Mid Channel, 3.5 MHz, 30 MHz – 1 GHz.....	226
Plot 619. Radiated Spurious Emissions, Mid Channel, 3.5 MHz, 1 GHz – 18 GHz.....	226
Plot 620. Radiated Spurious Emissions, Mid Channel, 3.5 MHz, 18 GHz – 40 GHz.....	226
Plot 621. Radiated Spurious Emissions, High Channel, 3.5 MHz, 30 MHz – 1 GHz.....	227
Plot 622. Radiated Spurious Emissions, High Channel, 3.5 MHz, 1 GHz – 18 GHz.....	227
Plot 623. Radiated Spurious Emissions, High Channel, 3.5 MHz, 18 GHz – 40 GHz.....	227
Plot 624. Radiated Spurious Emissions, Low Channel, 5 MHz, 30 MHz – 1 GHz.....	228

Plot 625. Radiated Spurious Emissions, Low Channel, 5 MHz, 1 GHz – 18 GHz .....	228
Plot 626. Radiated Spurious Emissions, Low Channel, 5 MHz, 18 GHz – 40 GHz .....	228
Plot 627. Radiated Spurious Emissions, Mid Channel, 5 MHz, 30 MHz – 1 GHz .....	229
Plot 628. Radiated Spurious Emissions, Mid Channel, 5 MHz, 1 GHz – 18 GHz .....	229
Plot 629. Radiated Spurious Emissions, Mid Channel, 5 MHz, 18 GHz – 40 GHz .....	229
Plot 630. Radiated Spurious Emissions, High Channel, 5 MHz, 30 MHz – 1 GHz .....	230
Plot 631. Radiated Spurious Emissions, High Channel, 5 MHz, 1 GHz – 18 GHz .....	230
Plot 632. Radiated Spurious Emissions, High Channel, 5 MHz, 18 GHz – 40 GHz .....	230
Plot 633. Radiated Spurious Emissions, Low Channel, 7 MHz, 30 MHz – 1 GHz .....	231
Plot 634. Radiated Spurious Emissions, Low Channel, 7 MHz, 1 GHz – 18 GHz .....	231
Plot 635. Radiated Spurious Emissions, Low Channel, 7 MHz, 18 GHz – 40 GHz .....	231
Plot 636. Radiated Spurious Emissions, Mid Channel, 7 MHz, 30 MHz – 1 GHz .....	232
Plot 637. Radiated Spurious Emissions, Mid Channel, 7 MHz, 1 GHz – 18 GHz .....	232
Plot 638. Radiated Spurious Emissions, Mid Channel, 7 MHz, 18 GHz – 40 GHz .....	232
Plot 639. Radiated Spurious Emissions, High Channel, 7 MHz, 30 MHz – 1 GHz .....	233
Plot 640. Radiated Spurious Emissions, High Channel, 7 MHz, 1 GHz – 18 GHz .....	233
Plot 641. Radiated Spurious Emissions, High Channel, 7 MHz, 18 GHz – 40 GHz .....	233
Plot 642. Radiated Spurious Emissions, Low Channel, 10 MHz, 30 MHz – 1 GHz .....	234
Plot 643. Radiated Spurious Emissions, Low Channel, 10 MHz, 1 GHz – 18 GHz .....	234
Plot 644. Radiated Spurious Emissions, Low Channel, 10 MHz, 18 GHz – 40 GHz .....	234
Plot 645. Radiated Spurious Emissions, Mid Channel, 10 MHz, 30 MHz – 1 GHz .....	235
Plot 646. Radiated Spurious Emissions, Mid Channel, 10 MHz, 1 GHz – 18 GHz .....	235
Plot 647. Radiated Spurious Emissions, Mid Channel, 10 MHz, 18 GHz – 40 GHz .....	235
Plot 648. Radiated Spurious Emissions, High Channel, 10 MHz, 30 MHz – 1 GHz .....	236
Plot 649. Radiated Spurious Emissions, High Channel, 10 MHz, 1 GHz – 18 GHz .....	236
Plot 650. Radiated Spurious Emissions, High Channel, 10 MHz, 18 GHz – 40 GHz .....	236
Plot 651. Radiated Spurious Emissions, Low Channel, 14 GHz, 30 MHz – 1 GHz .....	237
Plot 652. Radiated Spurious Emissions, Low Channel, 14 MHz, 1 GHz – 18 GHz .....	237
Plot 653. Radiated Spurious Emissions, Low Channel, 14 MHz, 18 GHz – 40 GHz .....	237
Plot 654. Radiated Spurious Emissions, Mid Channel, 14 GHz, 30 MHz – 1 GHz .....	238
Plot 655. Radiated Spurious Emissions, Mid Channel, 14 MHz, 1 GHz – 18 GHz .....	238
Plot 656. Radiated Spurious Emissions, Mid Channel, 14 MHz, 18 GHz – 40 GHz .....	238
Plot 657. Radiated Spurious Emissions, High Channel, 14 MHz, 30 MHz – 1 GHz .....	239
Plot 658. Radiated Spurious Emissions, High Channel, 14 MHz, 1 GHz – 18 GHz .....	239
Plot 659. Radiated Spurious Emissions, High Channel, 14 MHz, 18 GHz – 40 GHz .....	239
Plot 660. Radiated Spurious Emissions, Low Channel, 20 MHz, 30 MHz – 1 GHz .....	240
Plot 661. Radiated Spurious Emissions, Low Channel, 20 MHz, 1 GHz – 18 GHz .....	240
Plot 662. Radiated Spurious Emissions, Low Channel, 20 MHz, 18 GHz – 40 GHz .....	240
Plot 663. Radiated Spurious Emissions, Mid Channel, 20 MHz, 30 MHz – 1 GHz .....	241
Plot 664. Radiated Spurious Emissions, Mid Channel, 20 MHz, 1 GHz – 18 GHz .....	241
Plot 665. Radiated Spurious Emissions, Mid Channel, 20 MHz, 18 GHz – 40 GHz .....	241
Plot 666. Radiated Spurious Emissions, High Channel, 20 MHz, 30 MHz – 1 GHz .....	242
Plot 667. Radiated Spurious Emissions, High Channel, 20 MHz, 1 GHz – 18 GHz .....	242
Plot 668. Radiated Spurious Emissions, High Channel, 20 MHz, 18 GHz – 40 GHz .....	242
Plot 669. Radiated Spurious Emissions, Low Channel, 28 MHz, 30 MHz – 1 GHz .....	243
Plot 670. Radiated Spurious Emissions, Low Channel, 28 MHz, 1 GHz – 18 GHz .....	243
Plot 671. Radiated Spurious Emissions, Low Channel, 28 MHz, 18 GHz – 40 GHz .....	243
Plot 672. Radiated Spurious Emissions, Mid Channel, 28 MHz, 30 MHz – 1 GHz .....	244
Plot 673. Radiated Spurious Emissions, Mid Channel, 28 MHz, 1 GHz – 18 GHz .....	244
Plot 674. Radiated Spurious Emissions, Mid Channel, 28 MHz, 18 GHz – 40 GHz .....	244
Plot 675. Radiated Spurious Emissions, High Channel, 28 MHz, 30 MHz – 1 GHz .....	245
Plot 676. Radiated Spurious Emissions, High Channel, 28 MHz, 1 GHz – 18 GHz .....	245
Plot 677. Radiated Spurious Emissions, High Channel, 28 MHz, 18 GHz – 40 GHz .....	245
Plot 678. Radiated Spurious Emissions, Low Channel, 30 MHz, 30 MHz – 1 GHz .....	246

Plot 679. Radiated Spurious Emissions, Low Channel, 30 MHz, 1 GHz – 18 GHz .....	246
Plot 680. Radiated Spurious Emissions, Low Channel, 30 MHz, 18 GHz – 40 GHz .....	246
Plot 681. Radiated Spurious Emissions, Mid Channel, 30 MHz, 30 MHz – 1 GHz .....	247
Plot 682. Radiated Spurious Emissions, Mid Channel, 30 MHz, 1 GHz – 18 GHz .....	247
Plot 683. Radiated Spurious Emissions, Mid Channel, 30 MHz, 18 GHz – 40 GHz .....	247
Plot 684. Radiated Spurious Emissions, High Channel, 30 MHz, 30 MHz – 1 GHz .....	248
Plot 685. Radiated Spurious Emissions, High Channel, 30 MHz, 1 GHz – 18 GHz.....	248
Plot 686. Radiated Spurious Emissions, High Channel, 30 MHz, 18 GHz – 40 GHz.....	248
Plot 687. Radiated Spurious Emissions, Low Channel, 40 MHz, 30 MHz – 1 GHz.....	249
Plot 688. Radiated Spurious Emissions, Low Channel, 40 MHz, 1 GHz – 18 GHz .....	249
Plot 689. Radiated Spurious Emissions, Low Channel, 40 MHz, 18 GHz – 40 GHz .....	249
Plot 690. Radiated Spurious Emissions, Mid Channel, 40 MHz, 30 MHz – 1 GHz .....	250
Plot 691. Radiated Spurious Emissions, Mid Channel, 40 MHz, 1 GHz – 18 GHz .....	250
Plot 692. Radiated Spurious Emissions, Mid Channel, 40 MHz, 18 GHz – 40 GHz .....	250
Plot 693. Radiated Spurious Emissions, High Channel, 40 MHz, 30 MHz – 1 GHz .....	251
Plot 694. Radiated Spurious Emissions, High Channel, 40 MHz, 1 GHz – 18 GHz .....	251
Plot 695. Radiated Spurious Emissions, High Channel, 40 MHz, 18 GHz – 40 GHz.....	251
Plot 696. Frequency Stability, Low Channel, 3.5 MHz, -40°C, 120 VAC.....	258
Plot 697. Frequency Stability, Low Channel, 3.5 MHz, -30°C, 120 VAC.....	258
Plot 698. Frequency Stability, Low Channel, 3.5 MHz, -20°C, 120 VAC.....	258
Plot 699. Frequency Stability, Low Channel, 3.5 MHz, -10°C, 120 VAC.....	259
Plot 700. Frequency Stability, Low Channel, 3.5 MHz, 0°C, 120 VAC .....	259
Plot 701. Frequency Stability, Low Channel, 3.5 MHz, 10°C, 120 VAC .....	259
Plot 702. Frequency Stability, Low Channel, 3.5 MHz, 20°C, 102 VAC .....	260
Plot 703. Frequency Stability, Low Channel, 3.5 MHz, 20°C, 120 VAC .....	260
Plot 704. Frequency Stability, Low Channel, 3.5 MHz, 20°C, 138 VAC .....	260
Plot 705. Frequency Stability, Low Channel, 3.5 MHz, 30°C, 120 VAC .....	261
Plot 706. Frequency Stability, Low Channel, 3.5 MHz, 40°C, 120 VAC .....	261
Plot 707. Frequency Stability, Low Channel, 3.5 MHz, 50°C, 120 VAC .....	261
Plot 708. Frequency Stability, Low Channel, 3.5 MHz, 55°C, 120 VAC .....	262
Plot 709. Frequency Stability, High Channel, 40 MHz, -40°C, 120 VAC .....	262
Plot 710. Frequency Stability, High Channel, 40 MHz, -30°C, 120 VAC .....	262
Plot 711. Frequency Stability, High Channel, 40 MHz, -20°C, 120 VAC .....	263
Plot 712. Frequency Stability, High Channel, 40 MHz, -10°C, 120 VAC .....	263
Plot 713. Frequency Stability, High Channel, 40 MHz, 0°C, 120 VAC .....	263
Plot 714. Frequency Stability, High Channel, 40 MHz, 10°C, 120 VAC .....	264
Plot 715. Frequency Stability, High Channel, 40 MHz, 20°C, 102 VAC .....	264
Plot 716. Frequency Stability, High Channel, 40 MHz, 20°C, 120 VAC .....	264
Plot 717. Frequency Stability, High Channel, 40 MHz, 20°C, 138 VAC .....	265
Plot 718. Frequency Stability, High Channel, 40 MHz, 30°C, 120 VAC .....	265
Plot 719. Frequency Stability, High Channel, 40 MHz, 40°C, 120 VAC .....	265
Plot 720. Frequency Stability, High Channel, 40 MHz, 50°C, 120 VAC .....	266
Plot 721. Frequency Stability, High Channel, 40 MHz, 55°C, 120 VAC .....	266
Plot 722. Radiated Spurious Emissions, 30 MHz – 1 GHz .....	268
Plot 723. Radiated Spurious Emissions, 1 GHz – 18 GHz, Average.....	268
Plot 724. Radiated Spurious Emissions, 1 GHz – 18 GHz, Peak .....	268
Plot 725. Radiated Spurious Emissions, 18 GHz – 40 GHz, Average.....	269
Plot 726. Radiated Spurious Emissions, 18 GHz – 40 GHz, Peak .....	269

## List of Terms and Abbreviations

AC	Alternating Current
ACF	Antenna Correction Factor
Cal	Calibration
<i>d</i>	Measurement Distance
dB	Decibels
dB $\mu$ A	Decibels above one <b>microamp</b>
dB $\mu$ V	Decibels above one <b>microvolt</b>
dB $\mu$ A/m	Decibels above one <b>microamp per meter</b>
dB $\mu$ V/m	Decibels above one <b>microvolt per meter</b>
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
$\mu$ H	microhenry
$\mu$	microfarad
$\mu$ 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

# Executive Summary

## 1. Testing Summary

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 90, Subpart Z. All tests were conducted using measurement procedure ANSI TIA/EIA-603-A-2004.

Title 47 of the CFR, Part 90, Subpart Z, Reference and Test Description	RSS-197, Issue 1, February 2010 RSS-102, Issue 5, March 2015	Results
§2.1046, §90.1231 Power and antenna limits	5.6.1 Transmitter Output Power	Compliant
§2.1049 Occupied Bandwidth	5.2 Occupied Bandwidth	Compliant
§2.1051; §90.1323(a) Spurious Emissions at Antenna Terminals	5.7 Spurious Emissions at Antenna Terminals	Compliant
§2.1053; §90.1323 Radiated Spurious Emissions	5.7 Radiated Spurious Emissions	Compliant
§2.1055 Frequency Stability	5.3 Frequency Stability	Compliant
§2.1046, §90.1231 Peak Spectral Density	5.6.2 exposure	Compliant
§90.1335RF exposure	RSS-102(3.2) exposure	Compliant

**Table 1. Summary of Test Results**

# Equipment Configuration

## 2. Equipment Configuration

### 2.1. Overview

MET Laboratories, Inc. was contracted by Ubiquiti Networks to perform testing on the AirFiber 3X.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of the Ubiquiti Networks., AirFiber 3X.

An EMC evaluation to determine compliance of the TB 4.9 with the requirements of Part 90, Subpart Z, was conducted. (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 TB4.9. Ubiquiti Networks. should retain a copy of this document and it should be kept on file for at least five years after the manufacturing of the EUT has been **permanently** discontinued. The results obtained relate only to the item(s) tested.

<b>Model(s) Tested:</b>	AirFiber 3X	
<b>Model(s) Covered:</b>	AirFiber 3X	
<b>EUT Specifications:</b>	Primary Power Source: 18VDC	
	FCC ID: SWX-AF3X IC: 6545A-AF3X	
	Type of Modulations:	OFDM
	RF Output Power:	31.654 dBm, 17.95dBm, 14.953dBm
	Equipment Code:	TNB
	EUT Frequency Ranges:	3650MHz-3700MHz
<b>Analysis:</b>	The results obtained relate only to the item(s) tested.	
<b>Environmental Test Conditions:</b>	Temperature: 15-35° C	
	Relative Humidity: 30-60%	
	Barometric Pressure: 860-1060 mbar	
<b>Evaluated by:</b>	Djed Mouada	
<b>Report Date(s):</b>	July 15, 2015	

Table 2. EUT Specifications



## 2.2. 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 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.

## 2.3. Description of Test Sample

The AirFiber 3X, Equipment Under Test (EUT), is a 3.3GHz – 3.9GHz, Point-to-Point radio that uses OFDM MIMO Uncorrelated Cross-Polarized communication with a 50MHz/40MHz/30MHz/28MHz/ 20MHz/10MHz/ 7MHz/5MHz/3.5MHz bandwidth configuration. The EUT would be used outdoors and pole mounted. It is powered from a PoE adapter. The reverse-polarized connectorized has the ability when professionally installed by a user with cross-polarized antennas. This is the only matter that would be able to create a functional link to work.

## 2.4. Ports and Cabling Information

Ref. ID	Port Name on EUT	Cable Description	Qty.	Length (m)	Shielded (Y/N)	Termination Point
1	Management Port	RJ45 Ethernet	1	2	Yes	--
2	Data Port	RJ45 Ethernet	1	2	Yes	--
3	RP sma CH0	RF coax	1	2	Yes	--
4	RP sma CH1	RF coax	1	2	Yes	--

**Table 3. Ports and Cabling Information**

## **2.5. Mode of Operation**

Using internal test modes only for testing purposes the radio is set up in a continuous transmit mode. This allows for frequency, power, and channel bandwidth to be adjusted for measurement purposes. Scripts and specific command line commands are used to manipulate the radio in test mode.

## **2.6. Method of Monitoring EUT Operation**

1. A blinking green “Data” LED will indicate error-free data is being transferred on the test cable.
2. Any other LED status besides the blinking green LED (i.e. LED light off, etc) will indicate error-free data is not being transferred on the test cable.

## **2.7. Modifications**

### **2.7.1. Modifications to EUT**

No modifications were made to the EUT.

### **2.7.2. Modifications to Test Standard**

No modifications were made to the EUT.

## **2.8. Disposition of EUT**

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

# Electromagnetic Compatibility Criteria for Intentional Radiators

### 3. Electromagnetic Compatibility RF Power Output Requirements

#### 3.1. RF Power Output

**Test Requirement(s):** §2.1046, §90.1321 (a) and §90.1321 (c)

**Test Procedures:** The EUT was connected to a Spectrum Analyzer through an attenuator. The spectrum analyzer's channel power measuring option was used. The EUT power was adjusted to produce maximum output power as specified in the owner's manual. Measurements were performed at the low, mid and high channels for each of the EUT's bandwidths and modulations.

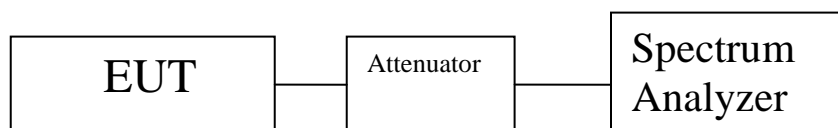
**Limits:** For Base and Fixed stations the EIRP limit is 25W / 25MHz.

For mobile and portable stations the EIRP limit is 1W / 25MHz.

**Test Results:** Equipment complies with 90.1321(a) for Base and Fixed Stations. The antenna gain limits provided assume a professional installation of the device to set the minimum channel bandwidth according to the installed antenna gain. If professional installation is not used, then the maximum gain of the device is 18 dBi.

**Test Engineer(s):** Djed Mouada

**Test Date(s):** 06/12/15



**Figure 1. RF Power Output Test Setup**

3.5 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit W	Margin
3.65175	20.21	20.51	23.373	12	35.373	3.4458788	3.5	-0.0541212
3.675	20.15	20.26	23.216	12	35.216	3.323533	3.5	-0.176467
3.69825	20.27	20.33	23.31	12	35.31	3.3962527	3.5	-0.1037473
5MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.6525	21.83	21.95	24.901	12	36.901	4.8989161	5	-0.1010839
3.675	22.06	21.37	24.739	12	36.739	4.719543572	5	-0.280456428
3.6975	21.85	22.06	24.967	12	36.967	4.9739338	5	-0.0260662
7MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.6535	23.5	23.09	26.31	12	38.31	6.7764151	7	-0.2235849
3.675	23.31	23.17	26.251	12	38.251	6.684978272	7	-0.315021728
3.6965	23.2	23.14	26.18	12	38.18	6.576578374	7	-0.423421626
10MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(DBM)	EIRP /w	Limit	Margin
3.655	25.02	24.89	27.966	12	39.966	9.9220178	10	-0.0779822
3.675	24.41	24.91	27.677	12	39.677	9.283249	10	-0.716751
3.695	25.13	24.68	27.921	12	39.921	9.8197402	10	-0.1802598
14 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.657	26.32	26.15	29.246	12	41.246	13.322938	14	-0.6770622
3.675	25.87	26.4	29.153	12	41.153	13.040673	14	-0.9593271
3.693	25.83	25.89	28.87	12	40.87	12.217997	14	-1.7820034
20MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.66	28.13	27.2	30.7	12	42.7	18.620871	20	-1.3791286
3.675	27.92	28.02	30.981	12	42.981	19.865523	20	-0.1344771
3.69	27.83	28.11	30.983	12	42.983	19.874673	20	-0.1253266
28MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.664	28.43	28.13	31.293	12	43.293	21.345189	25	-3.6548112
3.675	28.35	28.21	31.291	12	43.291	21.335361	25	-3.6646388
3.686	28.58	27.94	31.282	12	43.282	21.29119316	25	-3.708806841
30MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.665	28.63	28.28	31.469	12	43.469	22.22798	25	-2.7720199
3.675	28.81	28.47	31.654	12	43.654	23.1953	25	-1.8046997
3.685	28.64	28.23	31.45	12	43.45	22.130947	25	-2.8690529
40MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.67	28.88	27.58	31.289	12	43.289	21.325538	25	-3.6744618
3.675	28.44	28.03	31.25	12	43.25	21.13489	25	-3.8651096
3.68	28.42	28.05	31.249	12	43.249	21.130024	25	-3.8699755

**Table 4. RF Output Power, Test Results, 12 dBi Antenna Power**

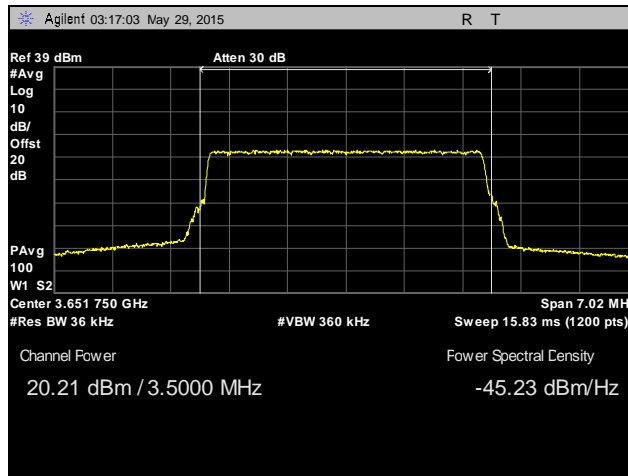
3.5 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit W	Margin
3.65175	6.15	6.29	9.231	26	35.231	3.335032	3.5	-0.164968
3.675	6.36	6.12	9.252	26	35.252	3.3511973	3.5	-0.1488027
3.69825	6.3	6.2	9.261	26	35.261	3.3581493	3.5	-0.1418507
5 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.6525	7.35	7.63	10.503	26	36.503	4.4699226	5	-0.5300774
3.675	7.55	7.72	10.646	26	36.646	4.6195535	5	-0.3804465
3.6975	7.47	7.82	10.659	26	36.659	4.633402194	5	-0.366597806
7 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.6535	9.24	9.17	12.215	26	38.215	6.6297935	7	-0.3702065
3.675	9.33	9.43	12.391	26	38.391	6.9039876	7	-0.0960124
3.6965	9.28	9.44	12.371	26	38.371	6.872266616	7	-0.127733384
10 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.655	10.81	10.64	13.736	26	39.736	9.4102248	10	-0.5897752
3.675	10.81	10.76	13.795	26	39.795	9.5389374	10	-0.4610626
3.695	10.77	10.73	13.76	26	39.76	9.4623716	10	-0.5376284
14 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.657	12.3	12.47	15.396	26	41.396	13.791135	14	-0.2088653
3.675	12.15	12.32	15.246	26	41.246	13.322938	14	-0.6770622
3.693	12.37	12.3	15.345	26	41.345	13.63013	14	-0.3698699
20 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.66	13.96	13.9	16.94	26	42.94	19.678863	20	-0.3211371
3.675	13.86	13.91	16.895	26	42.895	19.47601	20	-0.5239895
3.69	13.83	13.8	16.825	26	42.825	19.164611	20	-0.8353894
Lower 25MHz of 28 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.664	14.77	14.92	17.856	26	43.856	24.299649	25	-0.700351
3.675	14.87	14.95	17.92	26	43.92	24.660393	25	-0.3396066
3.686	14.75	14.93	17.851	26	43.851	24.271689	25	-0.7283109
Upper 25MHz of 28 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.664	14.65	14.94	17.808	26	43.808	24.032558	25	-0.967442
3.675	14.76	14.93	17.856	26	43.856	24.299649	25	-0.700351
3.686	14.93	14.99	17.97	26	43.97	24.945947	25	-0.0540527
Lower 25MHz of 30 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.665	14.95	14.45	17.717	26	43.717	23.53423	25	-1.4657696
3.675	14.93	14.91	17.93	26	43.93	24.717241	25	-0.2827585
3.685	14.96	14.91	17.945	26	43.945	24.802759	25	-0.1972406
Upper 25MHz of 30 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.665	14.81	14.93	17.881	26	43.881	24.439932	25	-0.5600676
3.675	14.93	14.75	17.851	26	43.851	24.271689	25	-0.7283109
3.685	14.46	14.71	17.597	26	43.597	22.89285724	25	-2.107142761
Lower 25MHz of 40 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.67	14.73	14.92	17.836	26	43.836	24.188002	25	-0.8119978
3.675	14.76	14.91	17.846	26	43.846	24.243761	25	-0.7562387
3.68	14.91	14.97	17.95	26	43.95	24.831331	25	-0.1686689
Upper 25MHz of 40 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.67	14.98	14.82	17.911	26	43.911	24.609342	25	-0.3906581
3.675	14.84	14.89	17.875	26	43.875	24.406191	25	-0.5938093
3.68	14.84	14.92	17.89	26	43.89	24.490632	25	-0.5093676

Table 5. RF Output Power, Test Results, 26 dBi Antenna Power

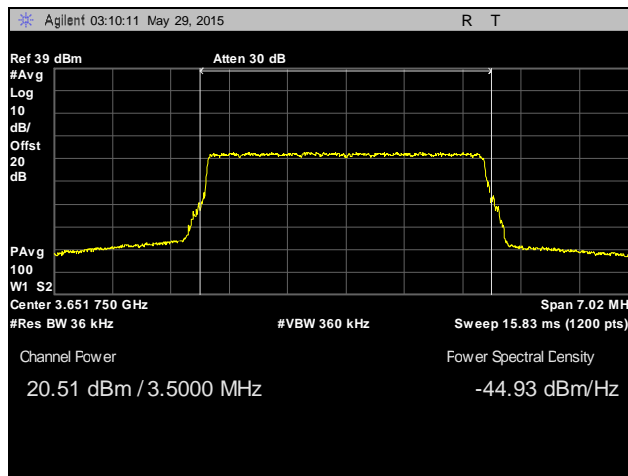
3.5 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit W	Margin
3.65175	3.1	3.48	6.304	29	35.304	3.3915639	3.5	-0.1084361
3.675	3.34	3.38	6.37	29	35.37	3.443499308	3.5	-0.056500692
3.69825	3.42	3.29	6.366	29	35.366	3.4403292	3.5	-0.0596708
5 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.6525	4.91	4.84	7.885	29	36.885	4.880901	5	-0.119099
3.675	4.92	4.9	7.92	29	36.92	4.9203954	5	-0.0796046
3.6975	4.84	4.96	7.911	29	36.911	4.910209249	5	-0.089790751
7 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.6535	6.48	6.38	9.441	29	38.441	6.983932	7	-0.016068
3.675	6.4	6.2	9.311	29	38.311	6.7779756	7	-0.2220244
3.6965	6.43	6.22	9.337	29	38.337	6.81867514	7	-0.18132486
10 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.655	7.91	7.96	10.945	29	39.945	9.8741564	10	-0.1258436
3.675	7.96	8	10.99	29	39.99	9.9770006	10	-0.0229994
3.695	7.86	7.93	10.905	29	39.905	9.7836295	10	-0.2163705
14 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.657	9.34	9.37	12.365	29	41.365	13.693044	14	-0.3069561
3.675	9.44	9.4	12.43	29	41.43	13.899526	14	-0.1004737
3.693	9.4	9.42	12.42	29	41.42	13.867558	14	-0.1324417
20 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.66	10.91	10.85	13.89	29	42.89	19.453601	20	-0.5463992
3.675	10.83	10.95	13.901	29	42.901	19.502936	20	-0.4970638
3.69	10.99	10.81	13.911	29	42.911	19.54789511	20	-0.452104891
Lower 25MHz of 28 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.664	11.93	11.81	14.881	29	43.881	24.439932	25	-0.5600676
3.675	11.92	11.84	14.89	29	43.89	24.490632	25	-0.5093676
3.686	11.85	11.96	14.916	29	43.916	24.637691	25	-0.3623092
Upper 25MHz of 28 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.664	11.79	12.08	14.948	29	43.948	24.81989844	25	-0.180101565
3.675	11.77	11.76	14.775	29	43.775	23.85063795	25	-1.149362045
3.686	11.94	11.97	14.965	29	43.965	24.917244	25	-0.0827563
Lower 25MHz of 30 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.665	11.8	11.86	14.84	29	43.84	24.21029	25	-0.7897095
3.675	11.84	11.95	14.906	29	43.906	24.581026	25	-0.4189743
3.685	11.97	11.94	14.965	29	43.965	24.917244	25	-0.0827563
Upper 25MHz of 30 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.665	11.92	11.93	14.935	29	43.935	24.745715	25	-0.2542854
3.675	11.92	11.86	14.9	29	43.9	24.547089	25	-0.4529108
3.685	11.96	11.81	14.896	29	43.896	24.524491	25	-0.4755091
Lower 25MHz of 40 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit	Margin
3.67	12.16	11.38	14.798	29	43.798	23.977285	25	-1.0227153
3.675	11.82	11.85	14.845	29	43.845	24.23818	25	-0.7618204
3.68	11.98	11.72	14.862	29	43.862	24.333243	25	-0.6667566
Upper 25MHz of 40 MHz								
Frequency	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Sum	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.67	12.21	11.49	14.875	29	43.875	24.406191	25	-0.5938093
3.675	11.85	11.98	14.926	29	43.926	24.694487	25	-0.3055135
3.68	11.85	11.92	14.895	29	43.895	24.518845	25	-0.4811555

Table 6. RF Output Power, Test Results, 29 dBi Antenna Power

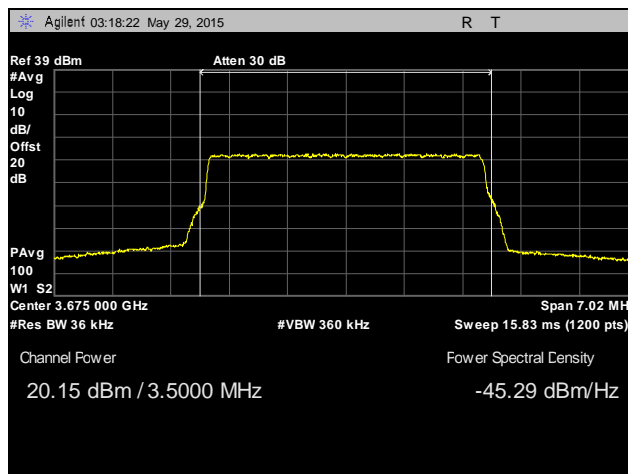
## RF Output Power, 12 dBi Antenna



Plot 1. EIRP, Low Channel, 3.5 MHz, Chain 0, 12 dBi Antenna

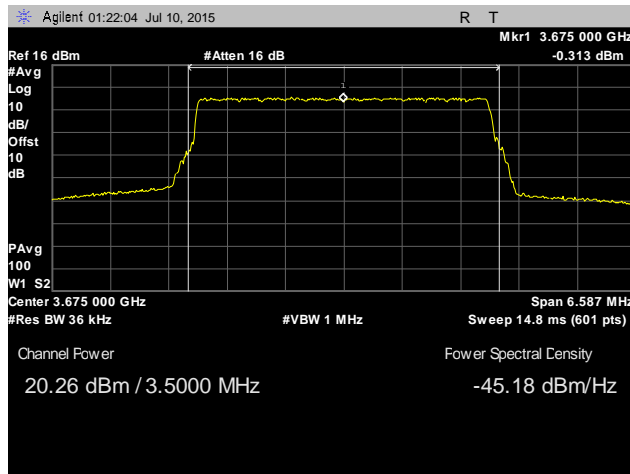


Plot 2. EIRP, Low Channel, 3.5 MHz, Chain 1, 12 dBi Antenna

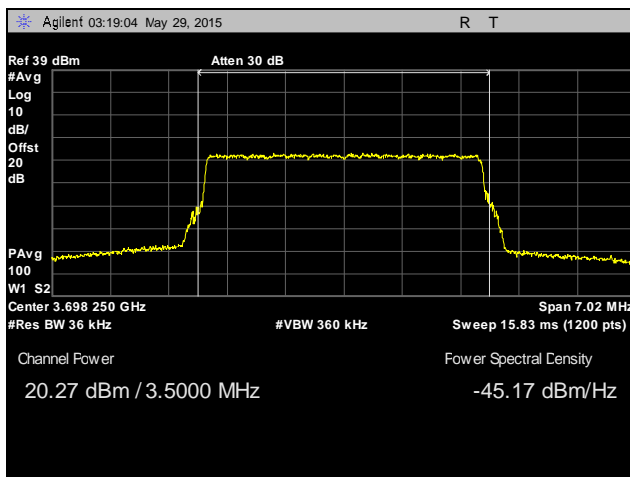


Plot 3. EIRP, Mid Channel, 3.5 MHz, Chain 0, 12 dBi Antenna

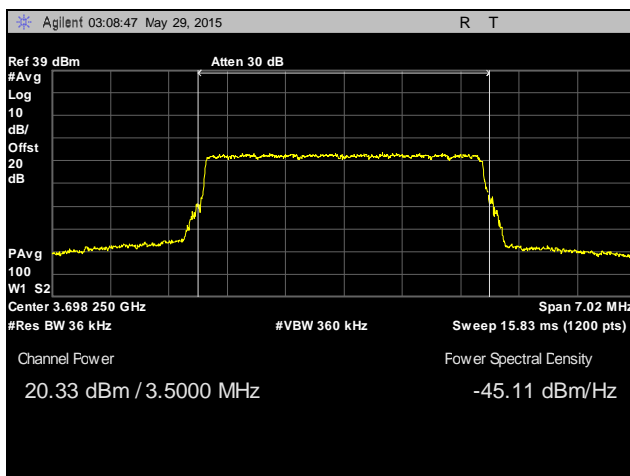




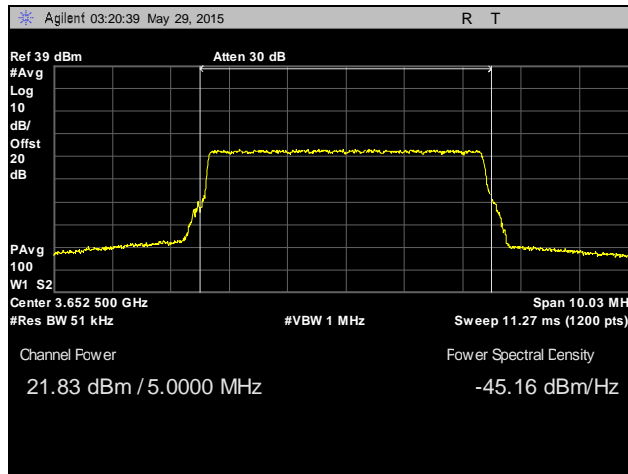
Plot 4. EIRP, Mid Channel, 3.5 MHz, Chain 1, 12 dBi Antenna



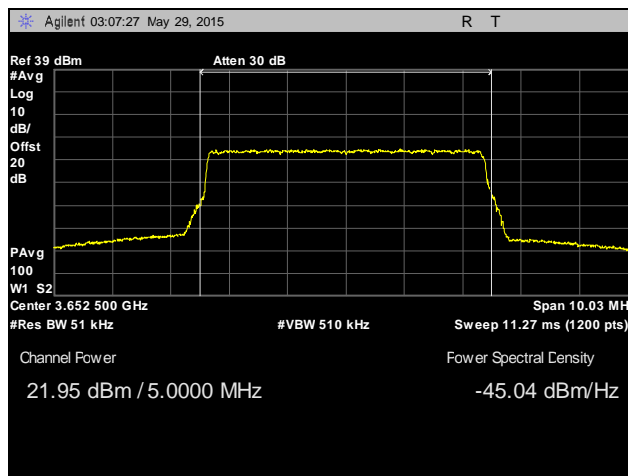
Plot 5. EIRP, High Channel, 3.5 MHz, Chain 0, 12 dBi Antenna



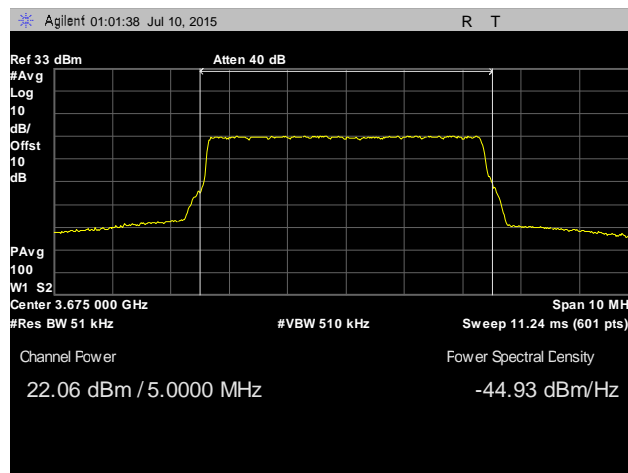
Plot 6. EIRP, High Channel, 3.5 MHz, Chain 1, 12 dBi Antenna



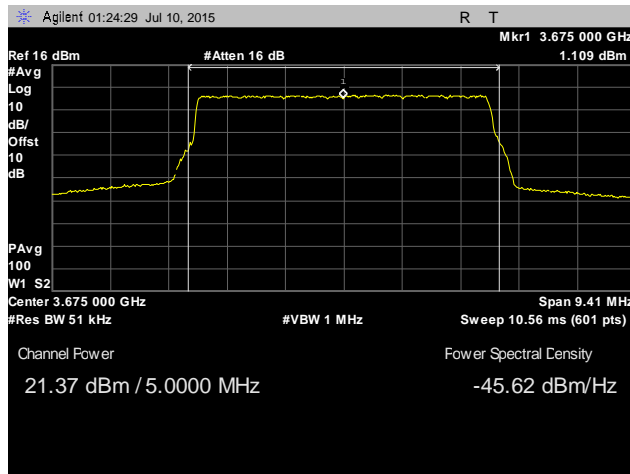
Plot 7. EIRP, Low Channel, 5 MHz, Chain 0, 12 dBi Antenna



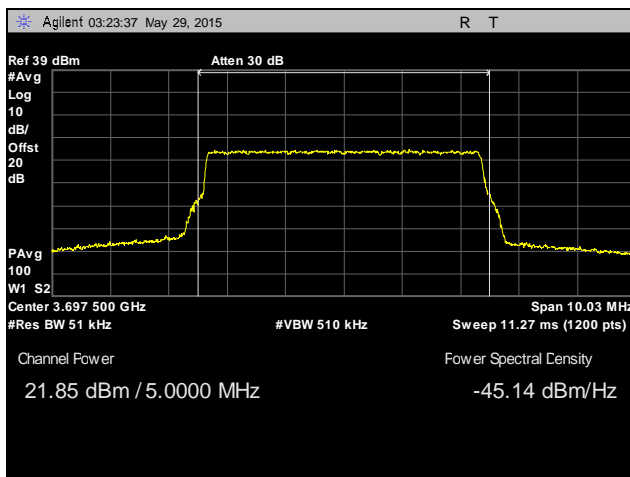
Plot 8. EIRP, Low Channel, 5 MHz, Chain 1, 12 dBi Antenna



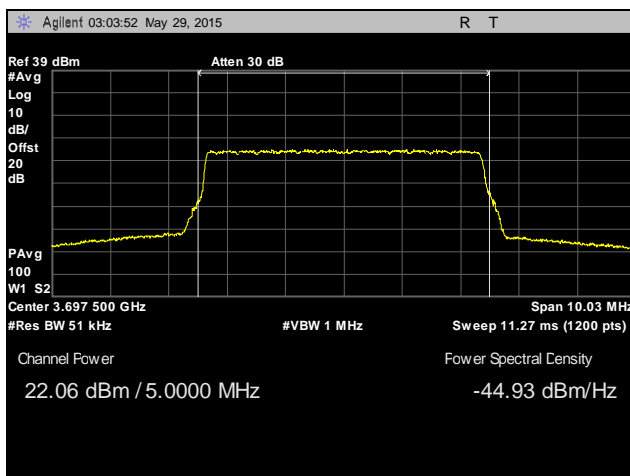
Plot 9. EIRP, Mid Channel, 5 MHz, Chain 0, 12 dBi Antenna



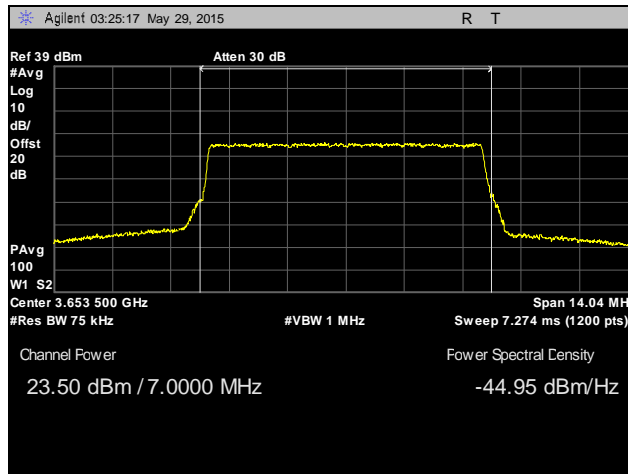
Plot 10. EIRP, Mid Channel, 5 MHz, Chain 1, 12 dBi Antenna



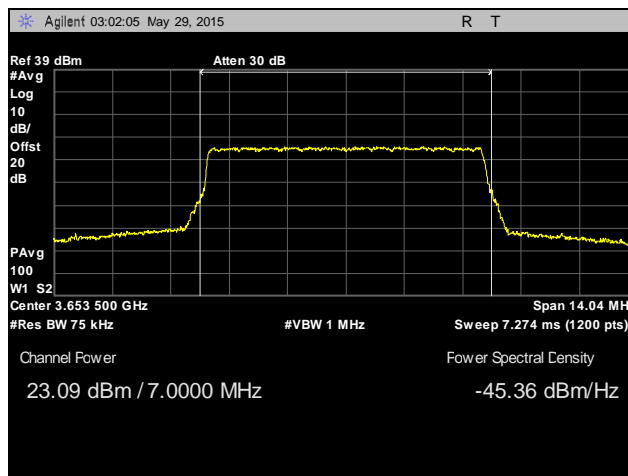
Plot 11. EIRP, High Channel, 5 MHz, Chain 0, 12 dBi Antenna



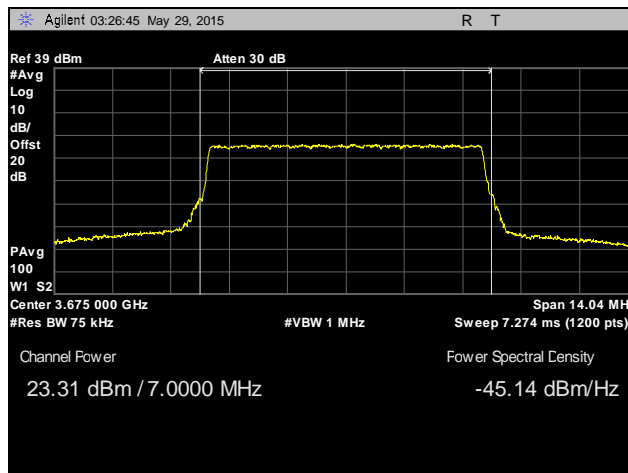
Plot 12. EIRP, High Channel, 5 MHz, Chain 1, 12 dBi Antenna



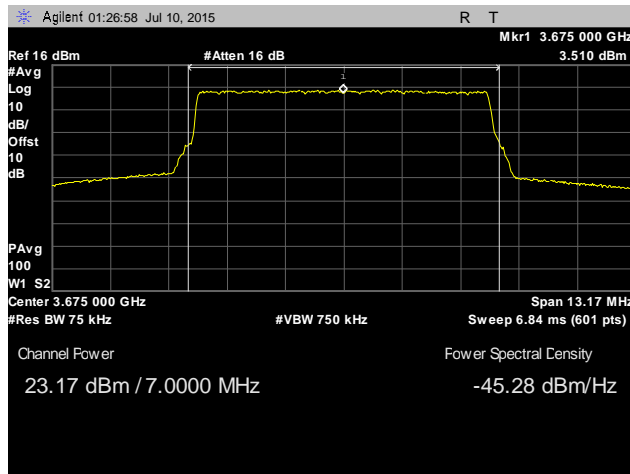
Plot 13. EIRP, Low Channel, 7 MHz, Chain 0, 12 dBi Antenna



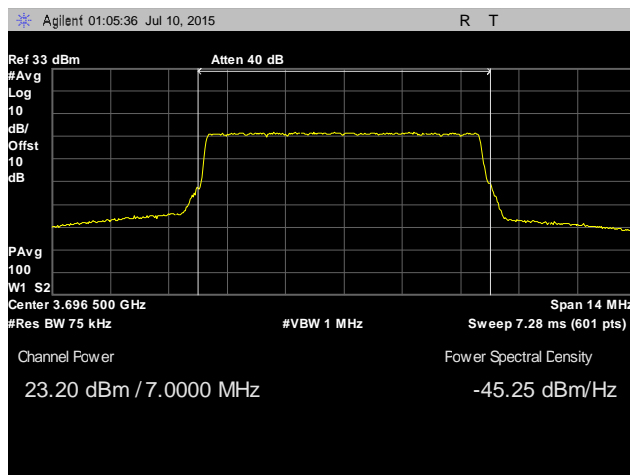
Plot 14. EIRP, Low Channel, 7 MHz, Chain 1, 12 dBi Antenna



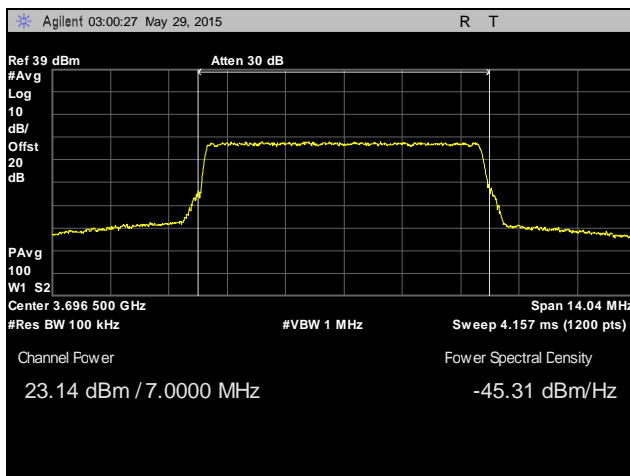
Plot 15. EIRP, Mid Channel, 7 MHz, Chain 0, 12 dBi Antenna



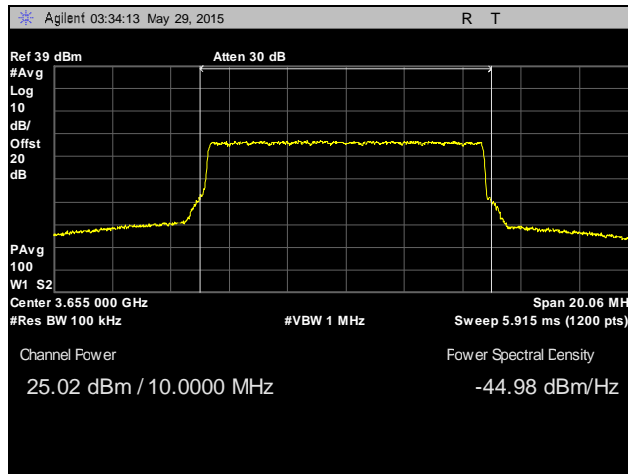
Plot 16. EIRP, Mid Channel, 7 MHz, Chain 1, 12 dBi Antenna



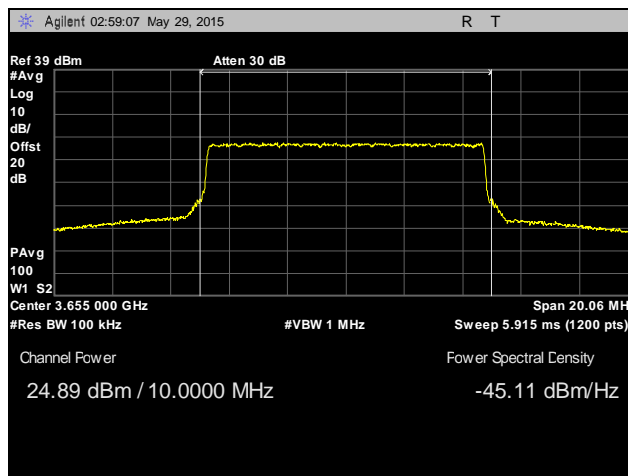
Plot 17. EIRP, High Channel, 7 MHz, Chain 0, 12 dBi Antenna



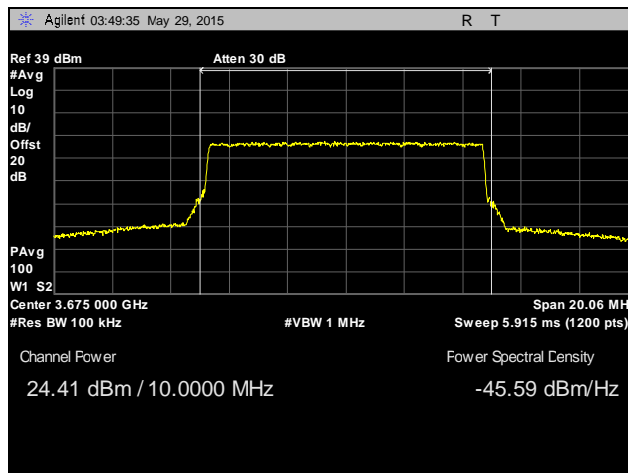
Plot 18. EIRP, High Channel, 7 MHz, Chain 1, 12 dBi Antenna



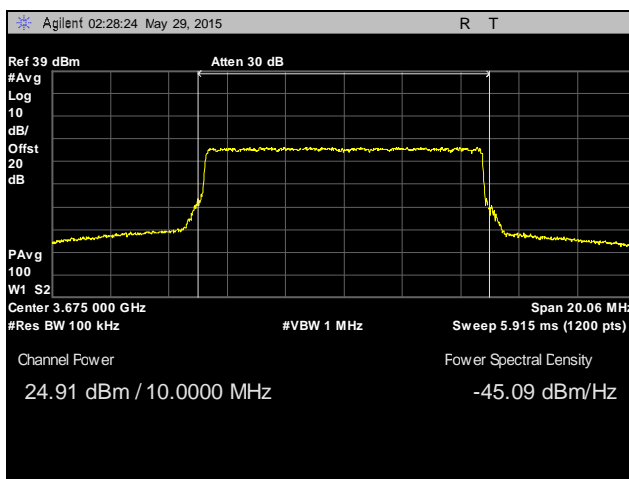
Plot 19. EIRP, Low Channel, 10 MHz, Chain 0, 12 dBi Antenna



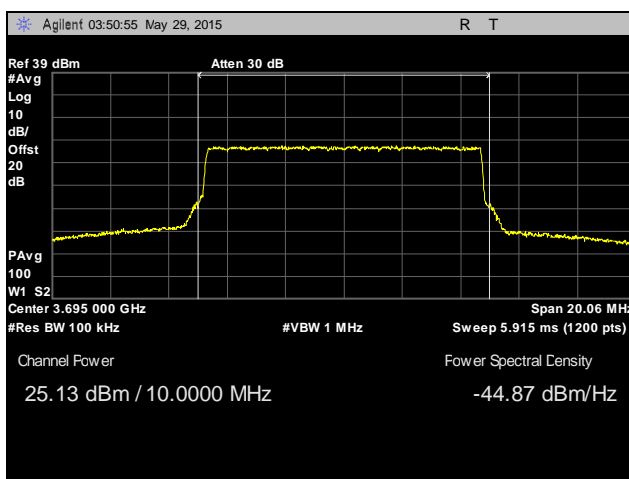
Plot 20. EIRP, Low Channel, 10 MHz, Chain 1, 12 dBi Antenna



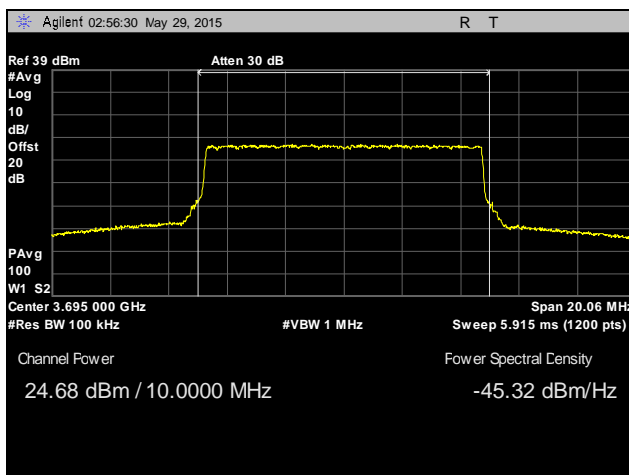
Plot 21. EIRP, Mid Channel, 10 MHz, Chain 0, 12 dBi Antenna



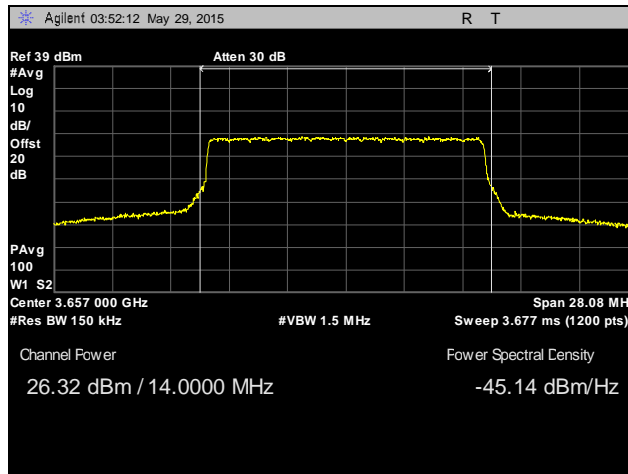
Plot 22. EIRP, Mid Channel, 10 MHz, Chain 1, 12 dBi Antenna



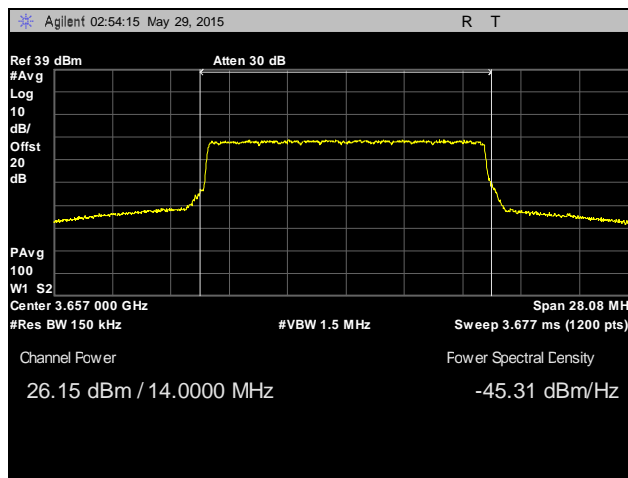
Plot 23. EIRP, High Channel, 10 MHz, Chain 0, 12 dBi Antenna



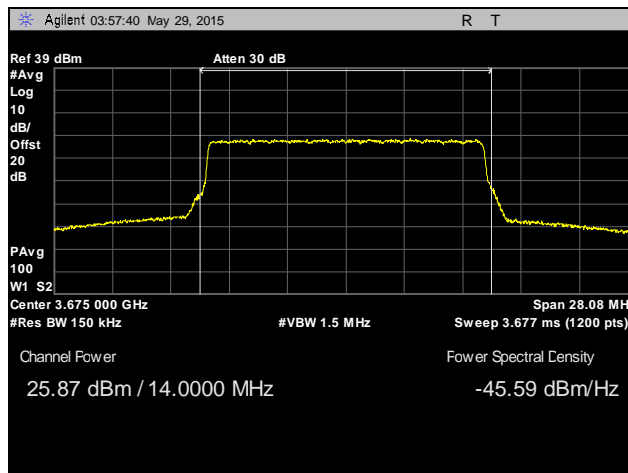
Plot 24. EIRP, High Channel, 10 MHz, Chain 1, 12 dBi Antenna



Plot 25. EIRP, Low Channel, 14 MHz, Chain 0, 12 dBi Antenna

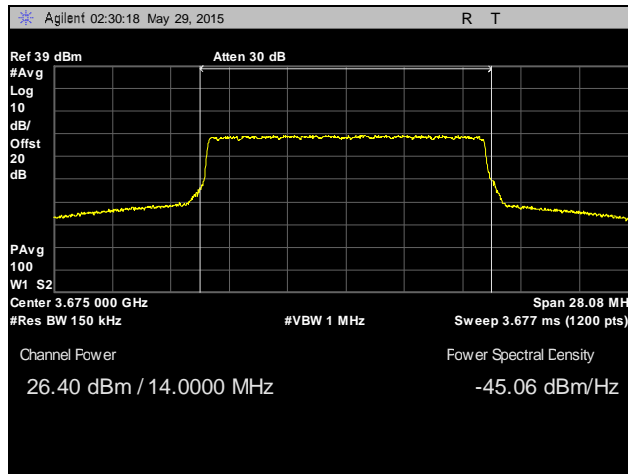


Plot 26. EIRP, Low Channel, 14 MHz, Chain 1, 12 dBi Antenna

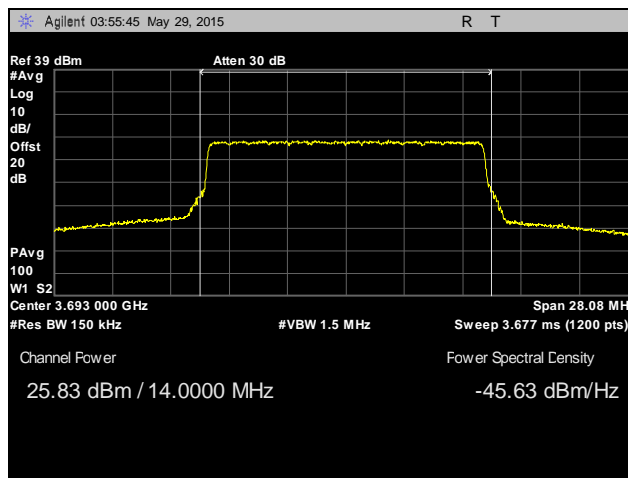


Plot 27. EIRP, Mid Channel, 14 MHz, Chain 0, 12 dBi Antenna

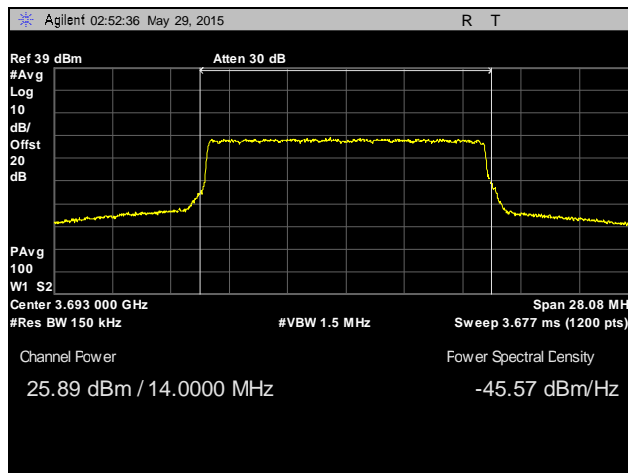




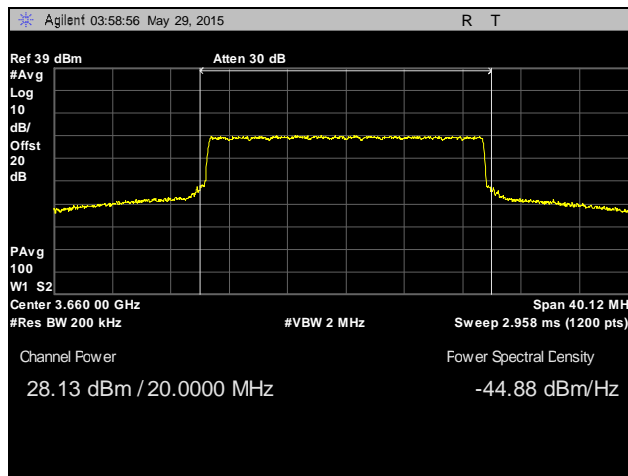
Plot 28. EIRP, Mid Channel, 14 MHz, Chain 1, 12 dBi Antenna



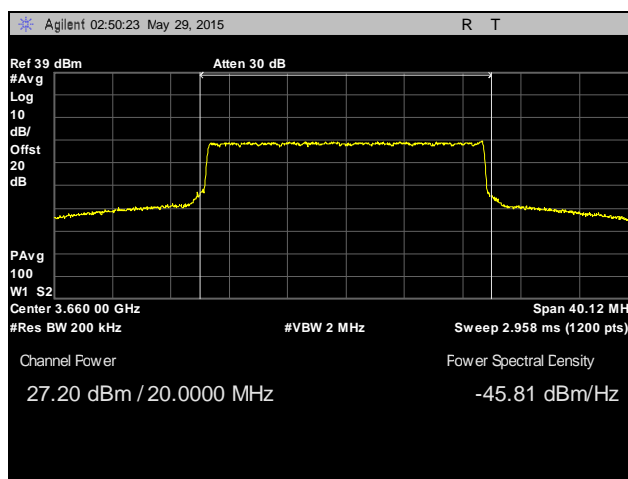
Plot 29. EIRP, High Channel, 14 MHz, Chain 0, 12 dBi Antenna



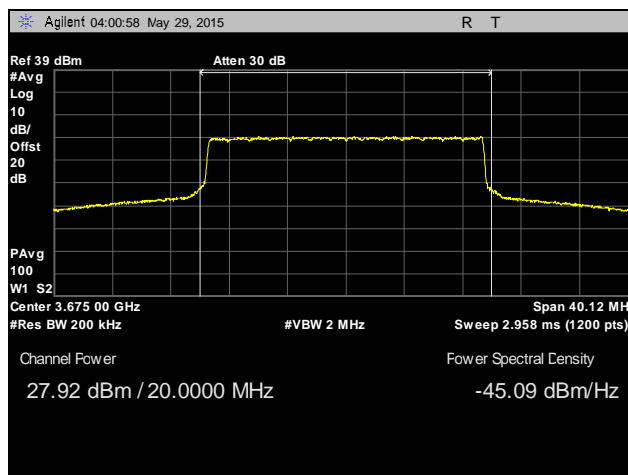
Plot 30. EIRP, High Channel, 14 MHz, Chain 1, 12 dBi Antenna



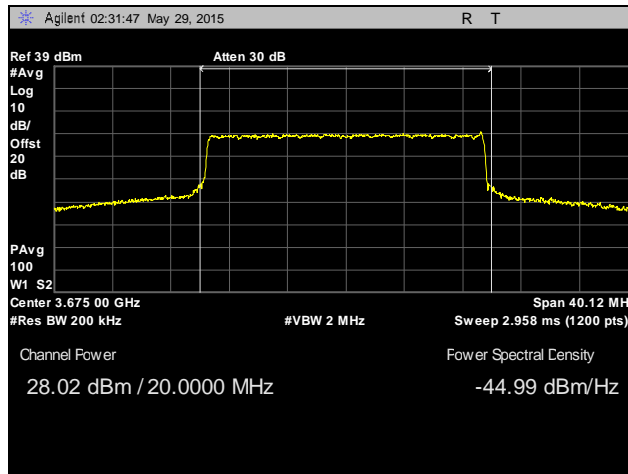
Plot 31. EIRP, Low Channel, 20 MHz, Chain 0, 12 dBi Antenna



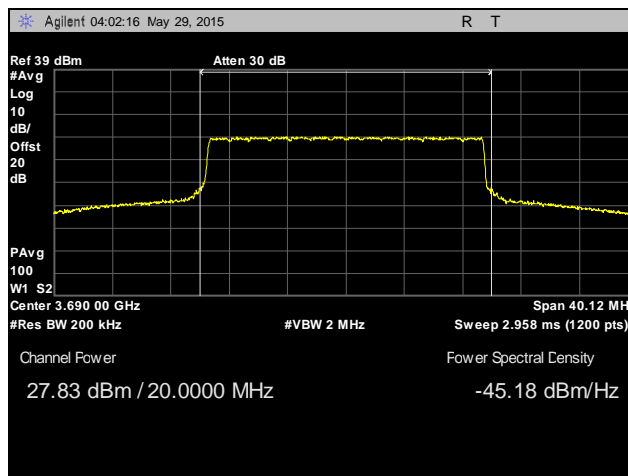
Plot 32. EIRP, Low Channel, 20 MHz, Chain 1, 12 dBi Antenna



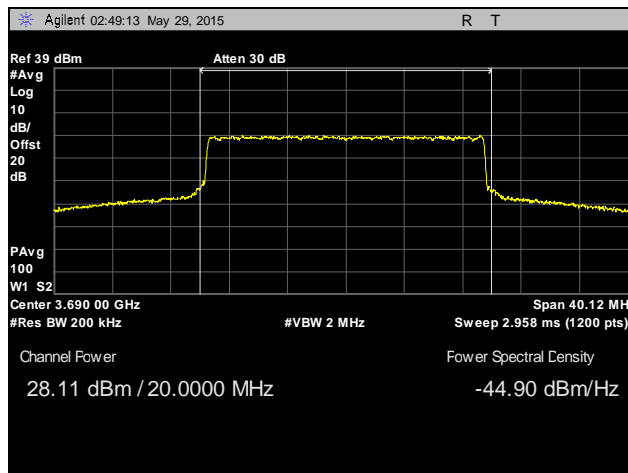
Plot 33. EIRP, Mid Channel, 20 MHz, Chain 0, 12 dBi Antenna



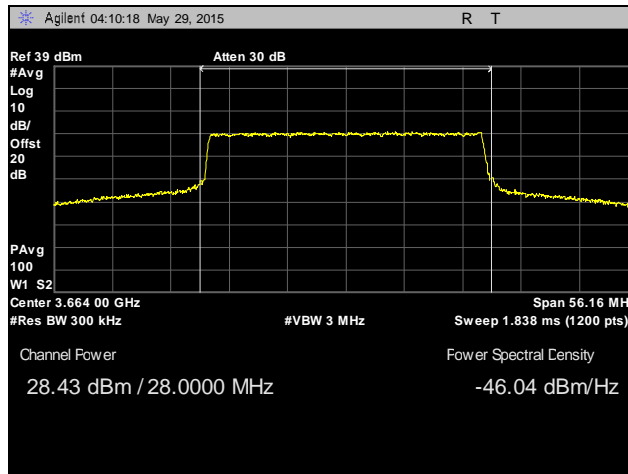
**Plot 34. EIRP, Mid Channel, 20 MHz, Chain 1, 12 dBi Antenna**



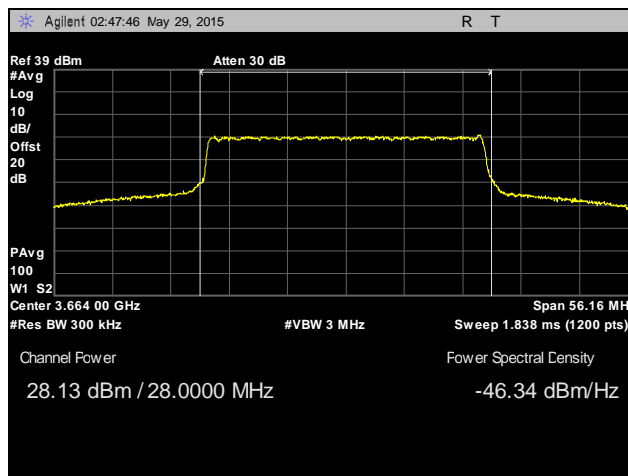
**Plot 35. EIRP, High Channel, 20 MHz, Chain 0, 12 dBi Antenna**



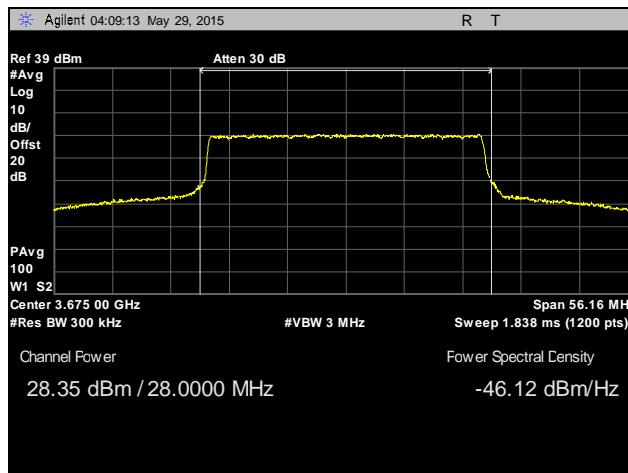
**Plot 36. EIRP, High Channel, 20 MHz, Chain 1, 12 dBi Antenna**



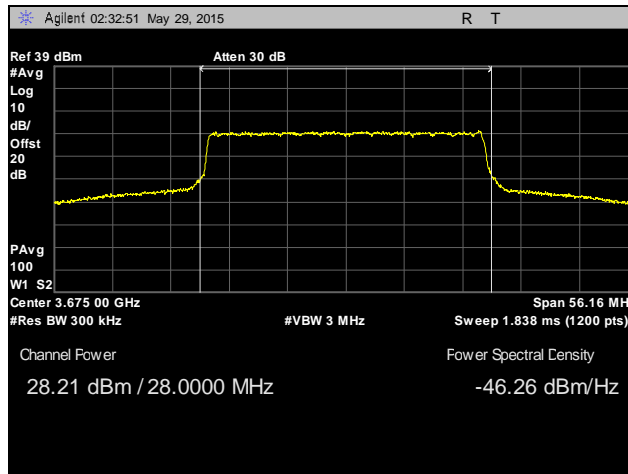
Plot 37. EIRP, Low Channel, 28 MHz, Chain 0, 12 dBi Antenna



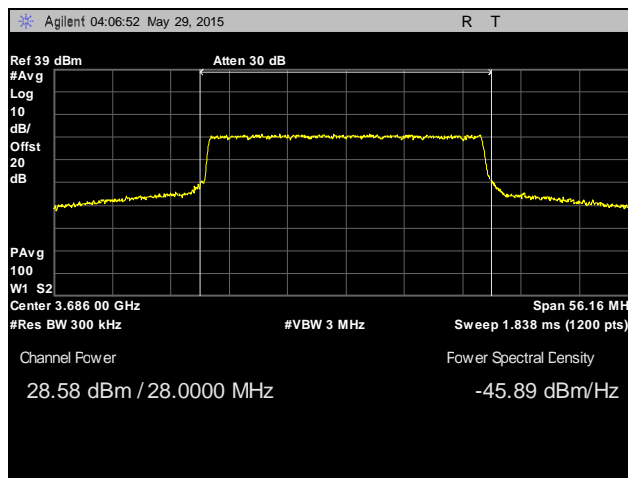
Plot 38. EIRP, Low Channel, 28 MHz, Chain 1, 12 dBi Antenna



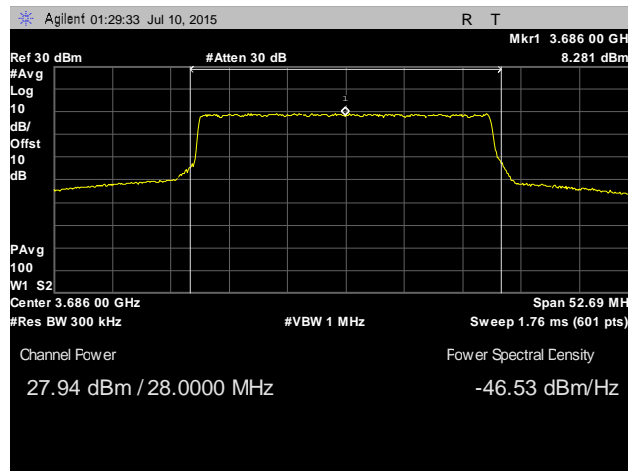
Plot 39. EIRP, Mid Channel, 28 MHz, Chain 0, 12 dBi Antenna



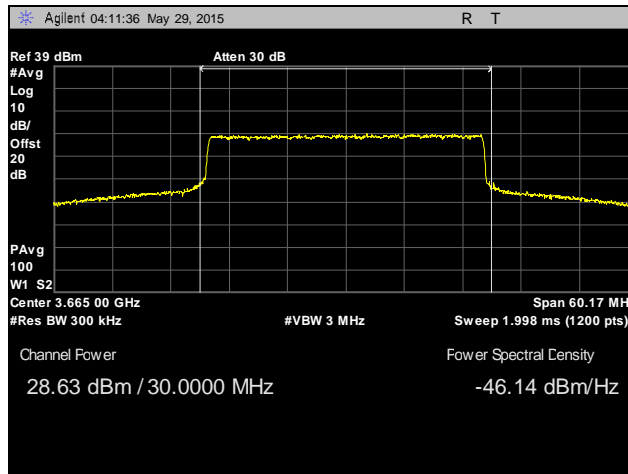
Plot 40. EIRP, Mid Channel, 28 MHz, Chain 1, 12 dBi Antenna



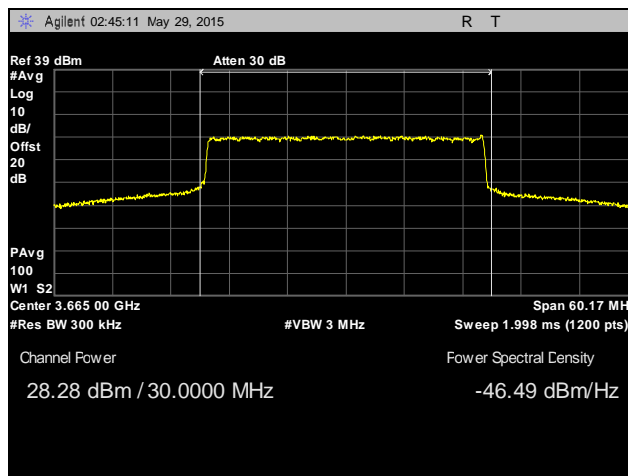
Plot 41. EIRP, High Channel, 28 MHz, Chain 0, 12 dBi Antenna



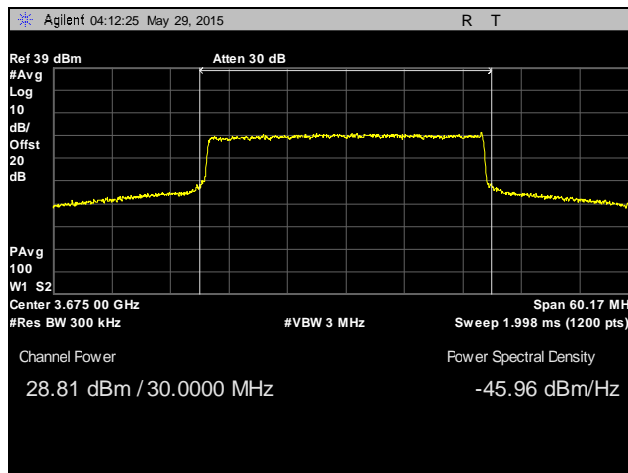
Plot 42. EIRP, High Channel, 28 MHz, Chain 1, 12 dBi Antenna



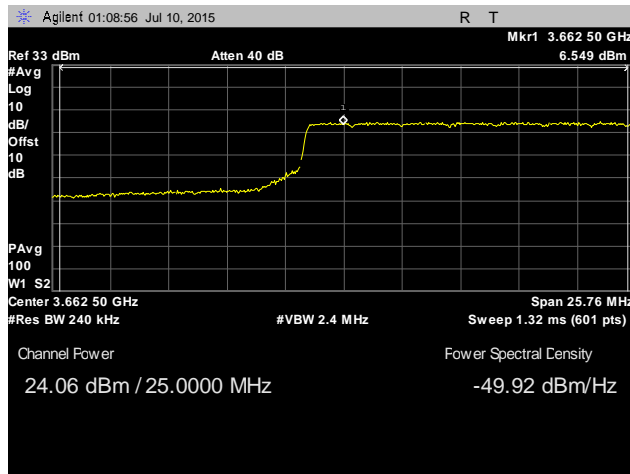
Plot 43. EIRP, Low Channel, 30 MHz, Chain 0, 12 dBi Antenna



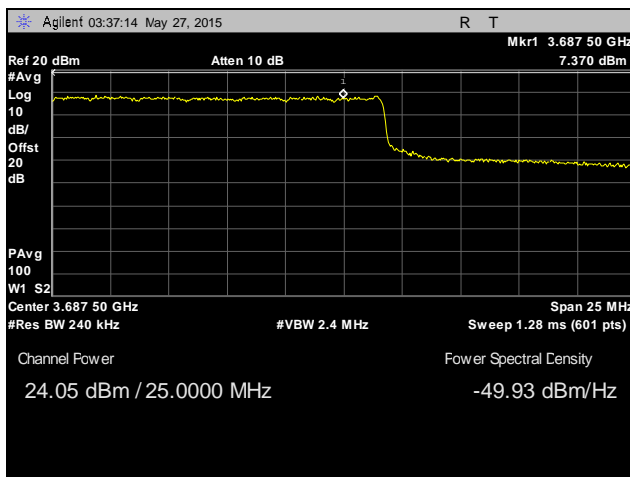
Plot 44. EIRP, Low Channel, 30 MHz, Chain 1, 12 dBi Antenna



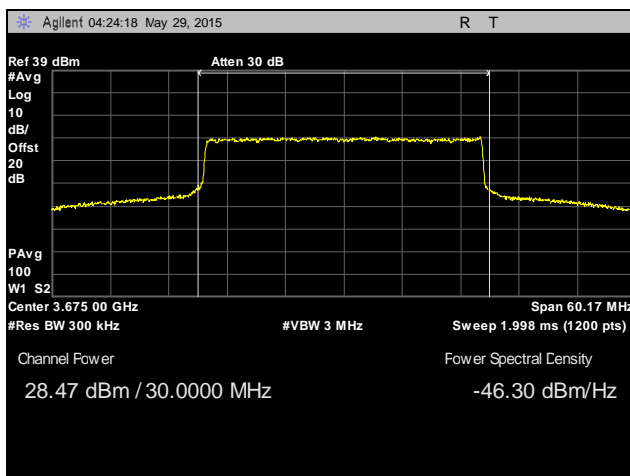
Plot 45. EIRP, Mid Channel, 30 MHz, Chain 0, 12 dBi Antenna



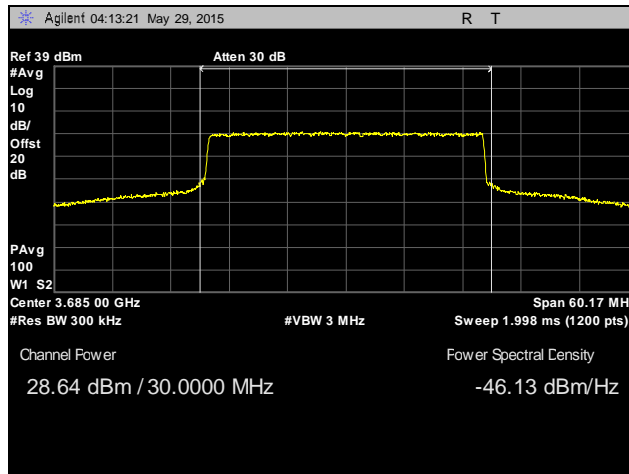
Plot 46. EIRP, Mid Channel, 30 MHz, Chain 0, Lower 25 MHz, 12 dBi Antenna



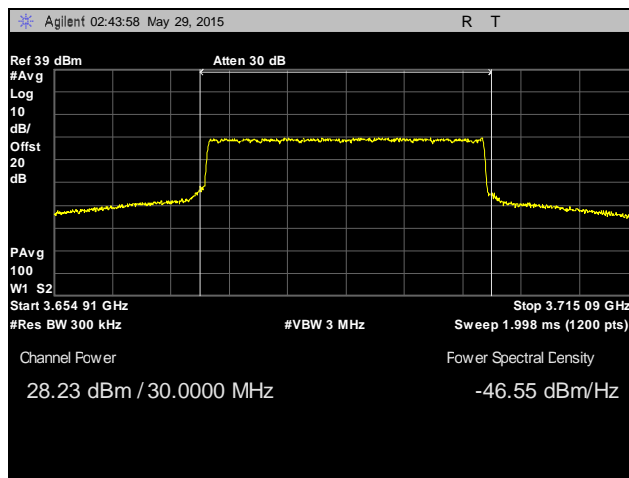
Plot 47. EIRP, Mid Channel, 30 MHz, Chain 0, Upper 25 MHz, 12 dBi Antenna



Plot 48. EIRP, Mid Channel, 30 MHz, Chain 1, 12 dBi Antenna

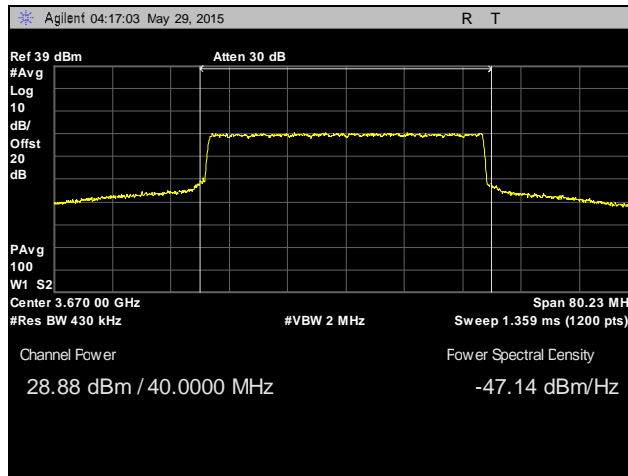


**Plot 49. EIRP, High Channel, 30 MHz, Chain 0, 12 dBi Antenna**

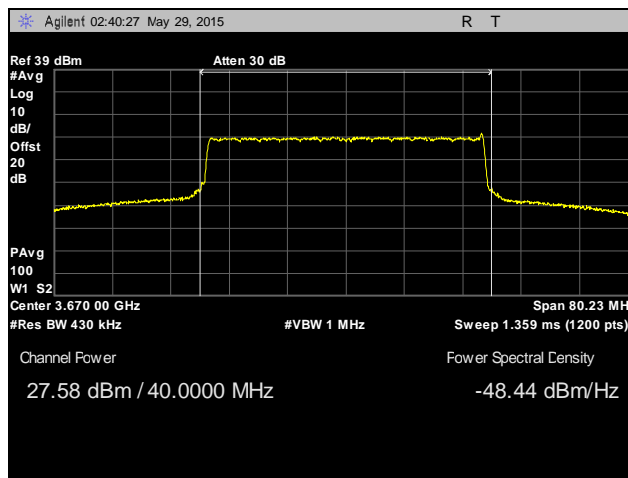


**Plot 50. EIRP, High Channel, 30 MHz, Chain 1, 12 dBi Antenna**

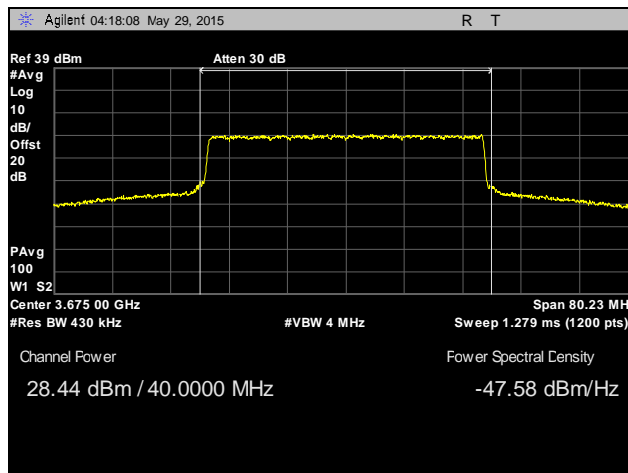




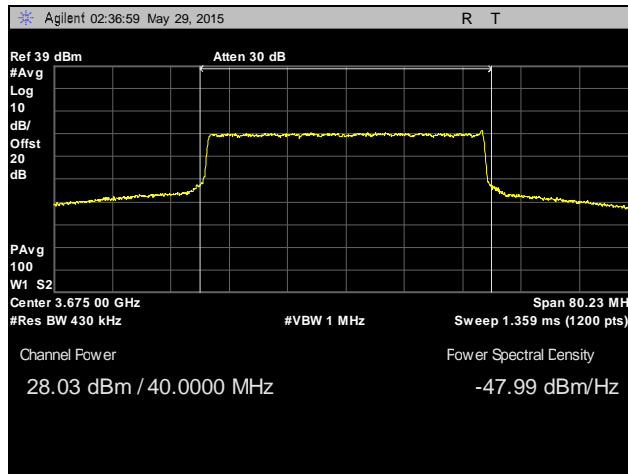
Plot 51. EIRP, Low Channel, 40 MHz, Chain 0, 12 dBi Antenna



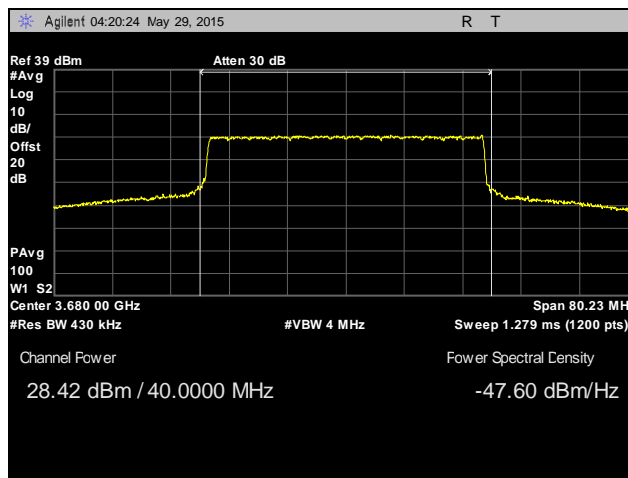
Plot 52. EIRP, Low Channel, 40 MHz, Chain 1, 12 dBi Antenna



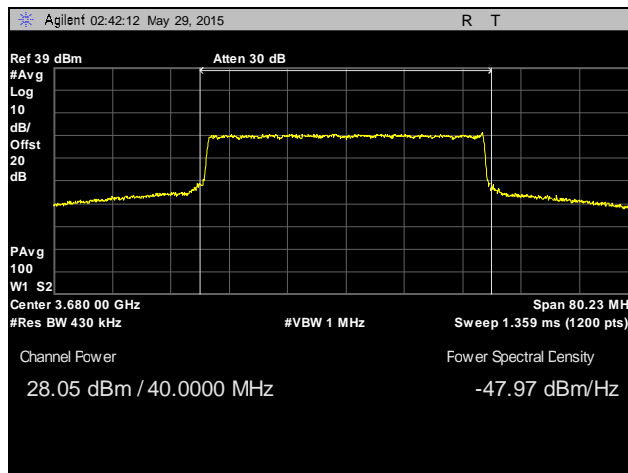
Plot 53. EIRP, Mid Channel, 40 MHz, Chain 0, 12 dBi Antenna



Plot 54. EIRP, Mid Channel, 40 MHz, Chain 1, 12 dBi Antenna

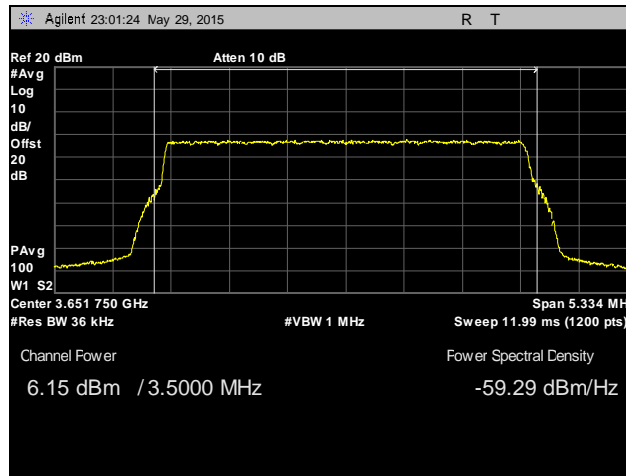


Plot 55. EIRP, High Channel, 40 MHz, Chain 0, 12 dBi Antenna

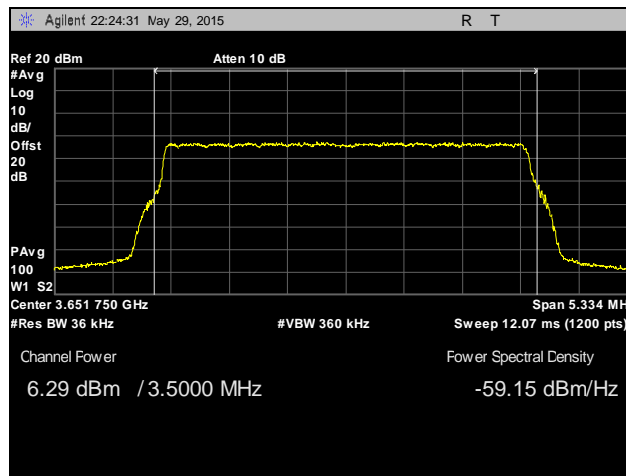


Plot 56. EIRP, High Channel, 40 MHz, Chain 1, 12 dBi Antenna

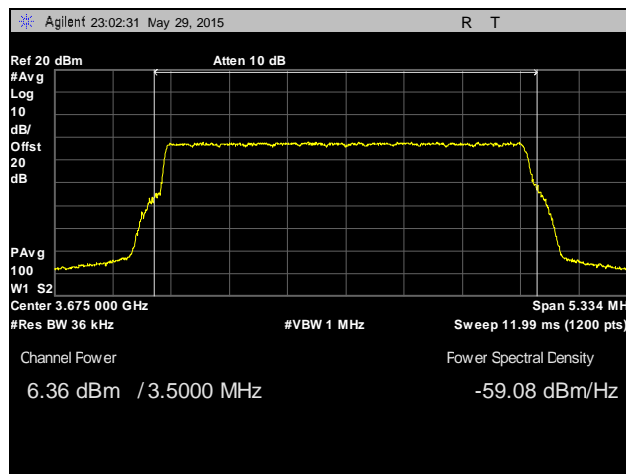
## RF Output Power, 26 dBi Antenna



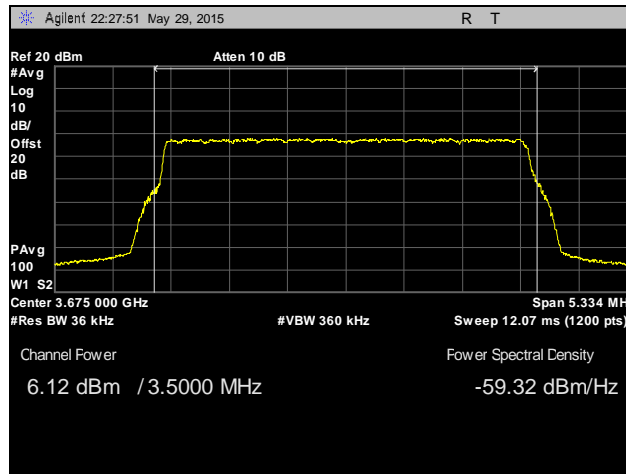
Plot 57. EIRP, Low Channel, 3.5 MHz, Chain 0, 26 dBi Antenna



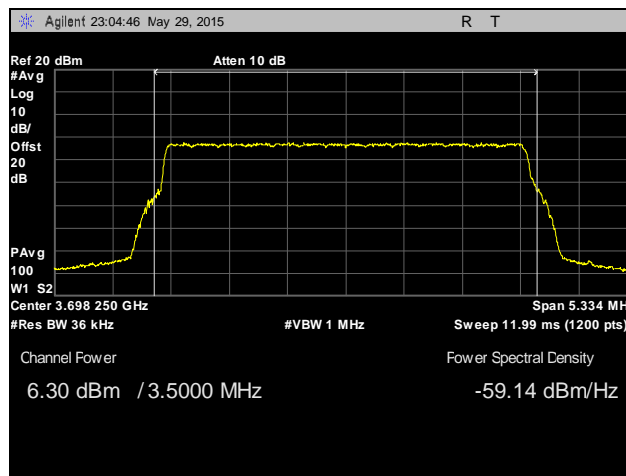
Plot 58. EIRP, Low Channel, 3.5 MHz, Chain 1, 26 dBi Antenna



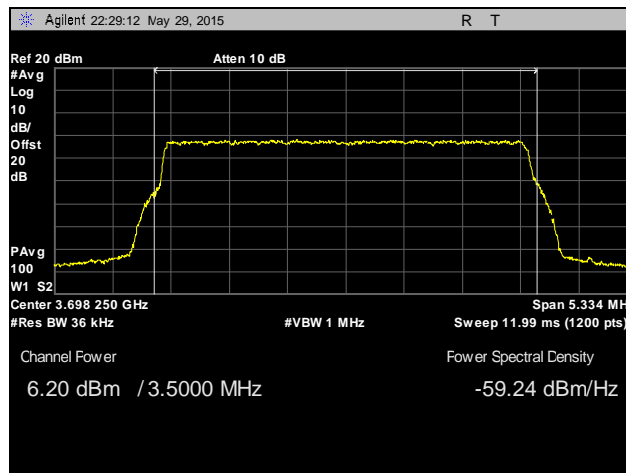
Plot 59. EIRP, Mid Channel, 3.5 MHz, Chain 0, 26 dBi Antenna



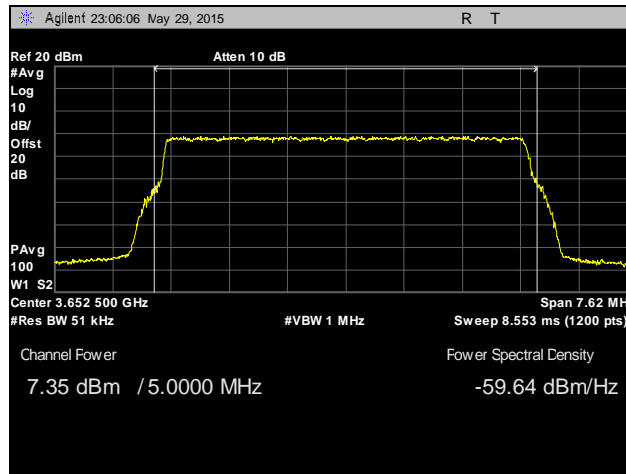
Plot 60. EIRP, Mid Channel, 3.5 MHz, Chain 1, 26 dBi Antenna



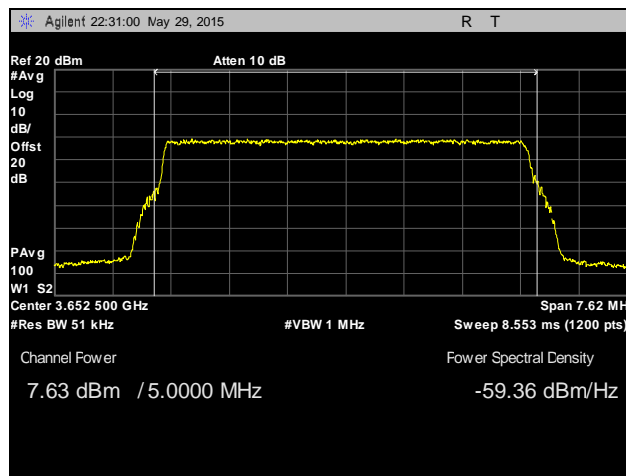
Plot 61. EIRP, High Channel, 3.5 MHz, Chain 0, 26 dBi Antenna



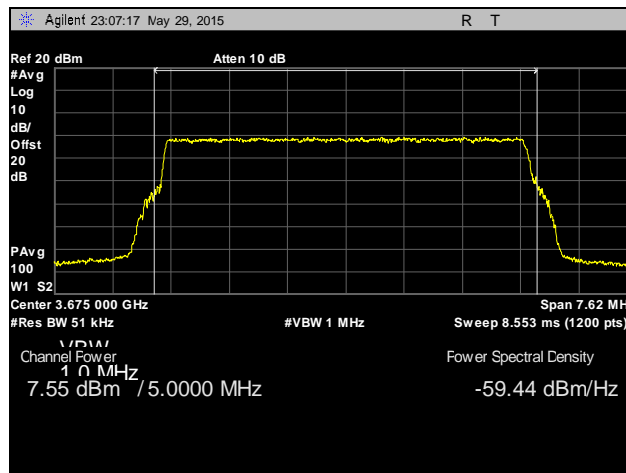
Plot 62. EIRP, High Channel, 3.5 MHz, Chain 1, 26 dBi Antenna



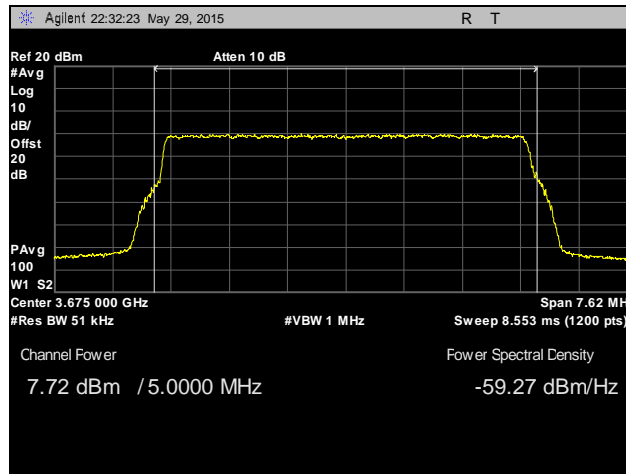
Plot 63. EIRP, Low Channel, 5 MHz, Chain 0, 26 dBi Antenna



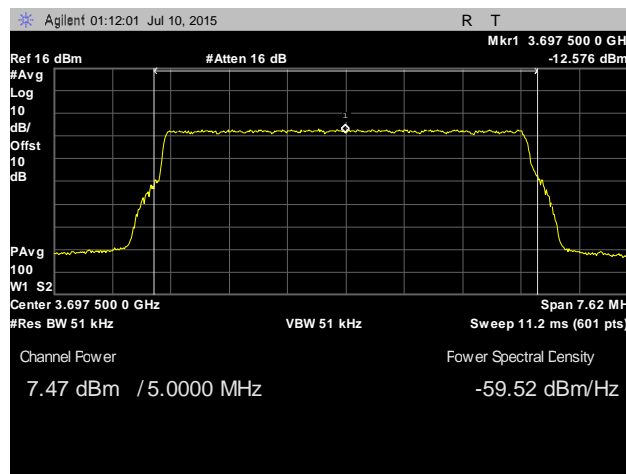
Plot 64. EIRP, Low Channel, 5 MHz, Chain 1, 26 dBi Antenna



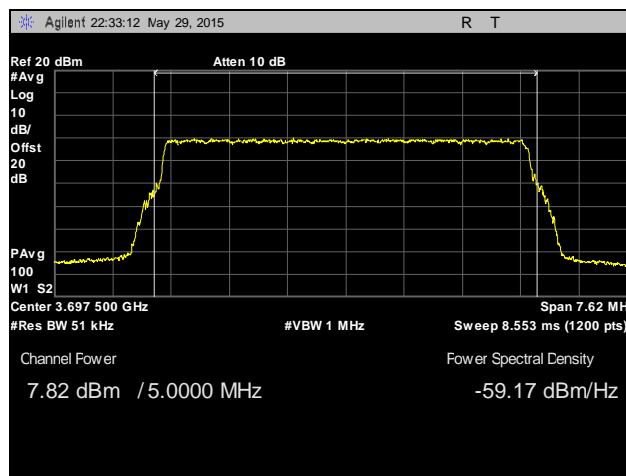
Plot 65. EIRP, Mid Channel, 5 MHz, Chain 0, 26 dBi Antenna



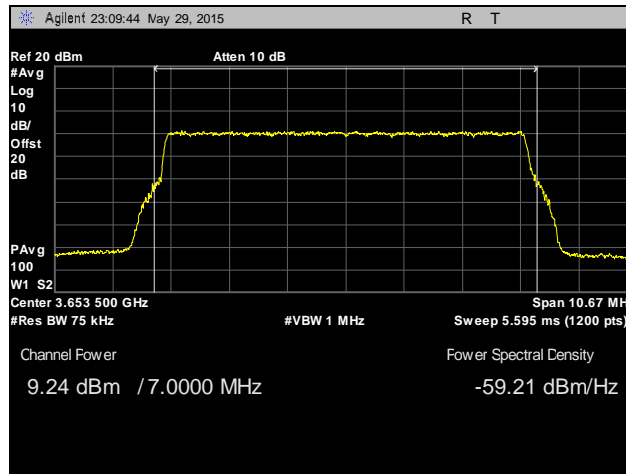
Plot 66. EIRP, Mid Channel, 5 MHz, Chain 1, 26 dBi Antenna



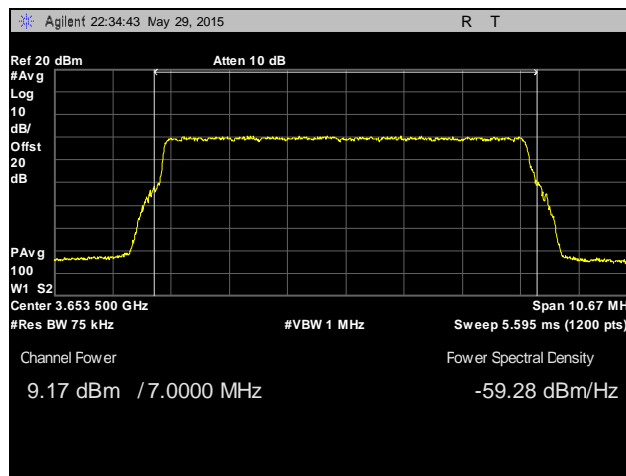
Plot 67. EIRP, High Channel, 5 MHz, Chain 0, 26 dBi Antenna



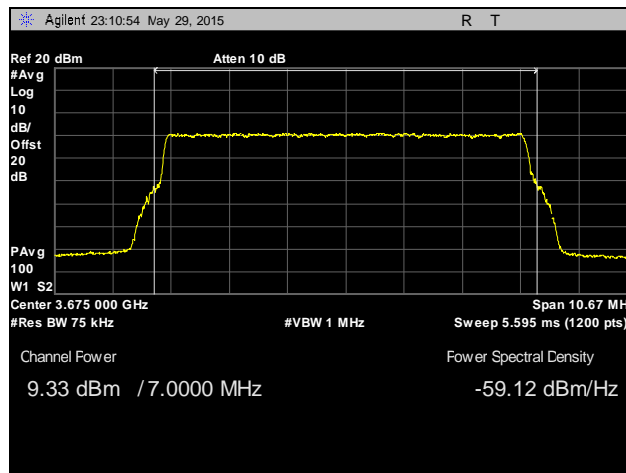
Plot 68. EIRP, High Channel, 5 MHz, Chain 1, 26 dBi Antenna



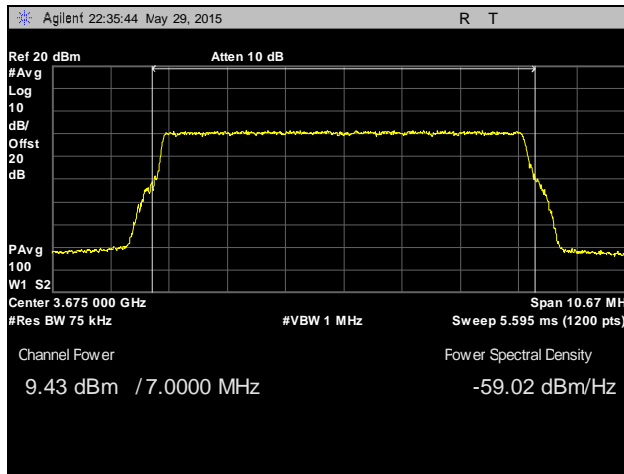
Plot 69. EIRP, Low Channel, 7 MHz, Chain 0, 26 dBi Antenna



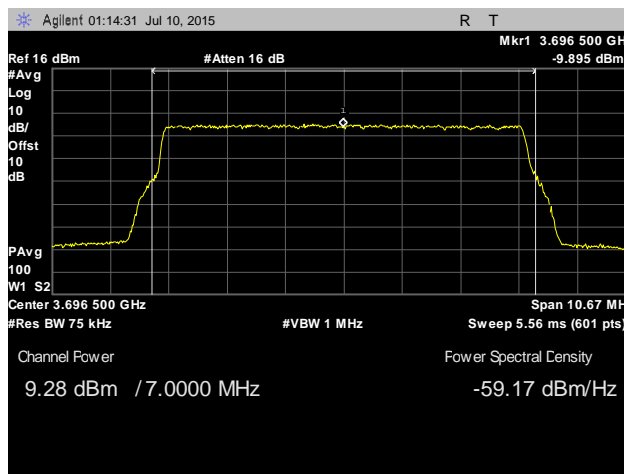
Plot 70. EIRP, Low Channel, 7 MHz, Chain 1, 26 dBi Antenna



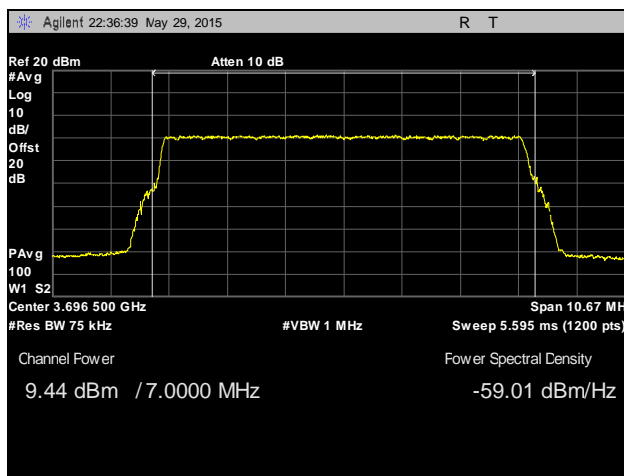
Plot 71. EIRP, Mid Channel, 7 MHz, Chain 0, 26 dBi Antenna



Plot 72. EIRP, Mid Channel, 7 MHz, Chain 1, 26 dBi Antenna

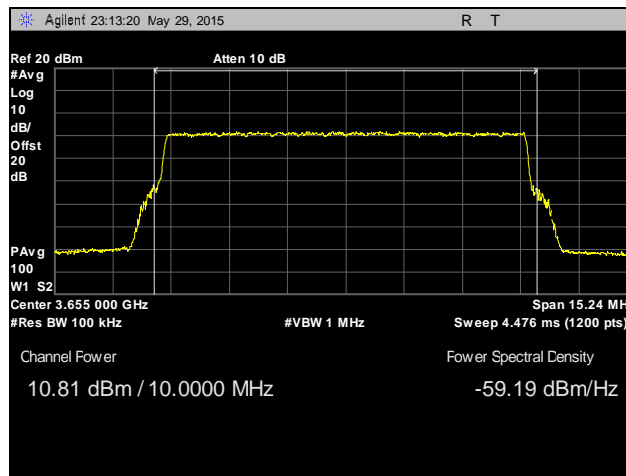


Plot 73. EIRP, High Channel, 7 MHz, Chain 0, 26 dBi Antenna

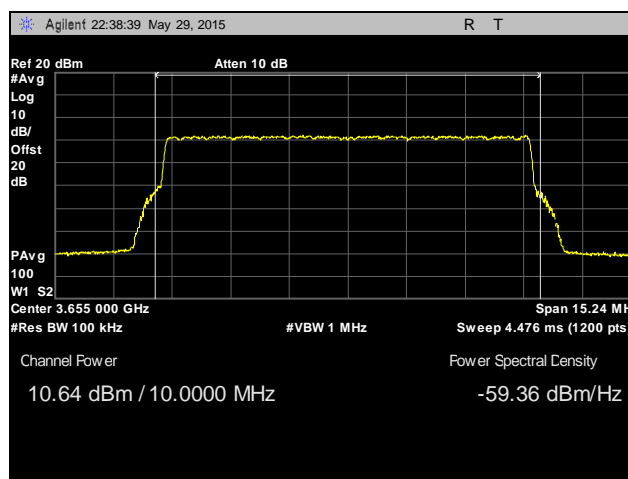


Plot 74. EIRP, High Channel, 7 MHz, Chain 1, 26 dBi Antenna

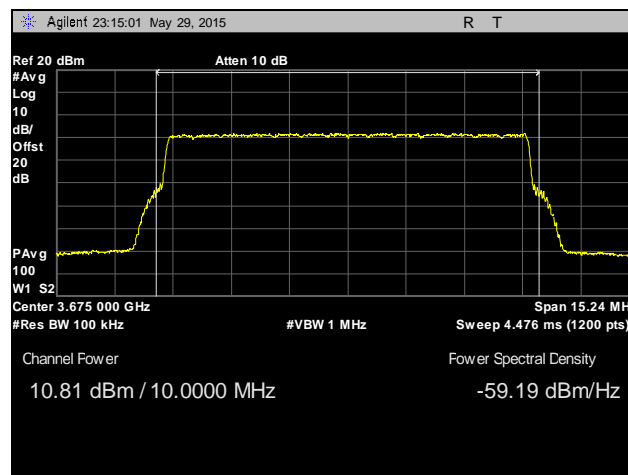




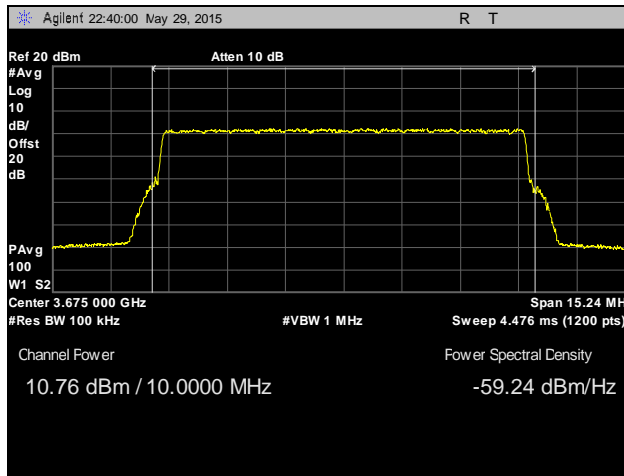
Plot 75. EIRP, Low Channel, 10 MHz, Chain 0, 26 dBi Antenna



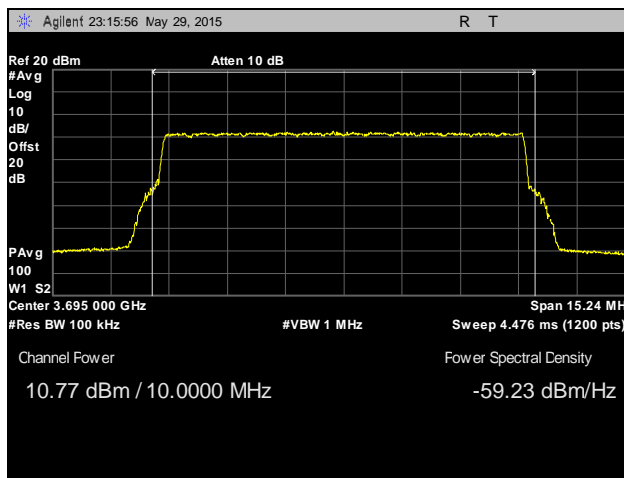
Plot 76. EIRP, Low Channel, 10 MHz, Chain 1, 26 dBi Antenna



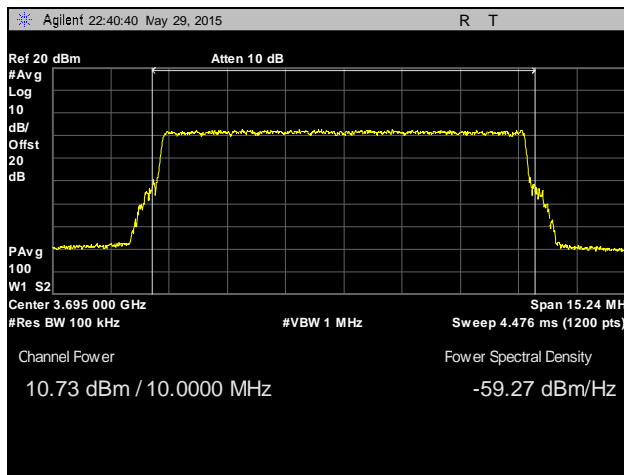
Plot 77. EIRP, Mid Channel, 10 MHz, Chain 0, 26 dBi Antenna



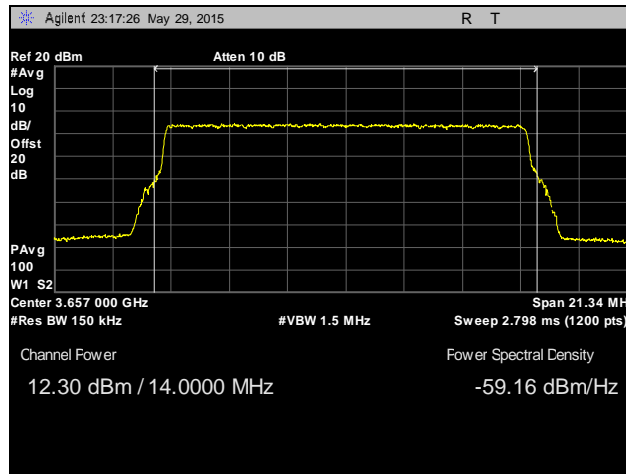
**Plot 78. EIRP, Mid Channel, 10 MHz, Chain 1, 26 dBi Antenna**



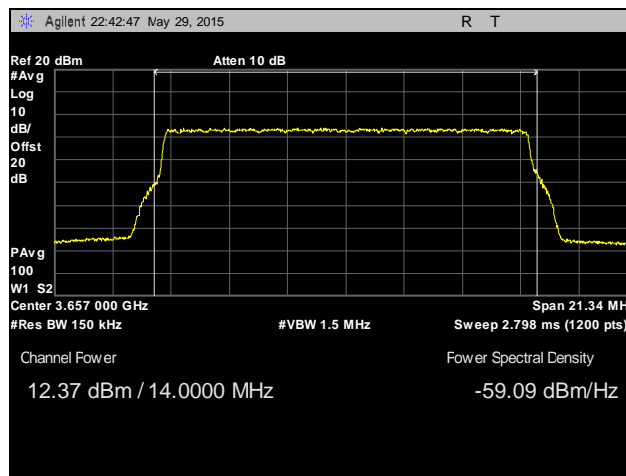
**Plot 79. EIRP, High Channel, 10 MHz, Chain 0, 26 dBi Antenna**



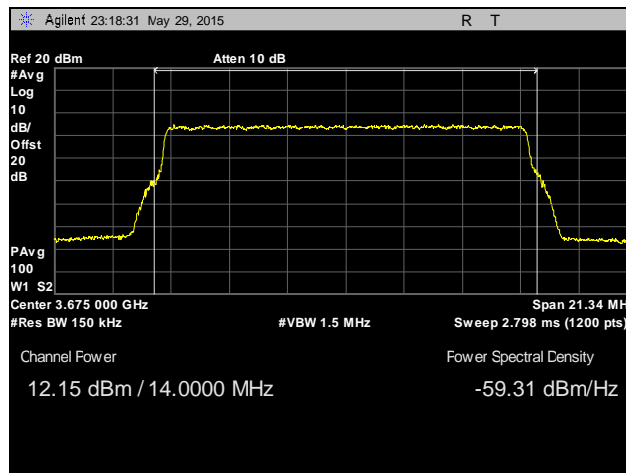
**Plot 80. EIRP, High Channel, 10 MHz, Chain 1, 26 dBi Antenna**



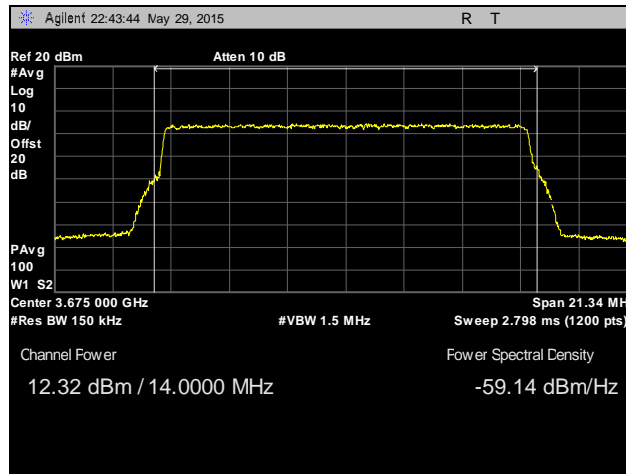
Plot 81. EIRP, Low Channel, 14 MHz, Chain 0, 26 dBi Antenna



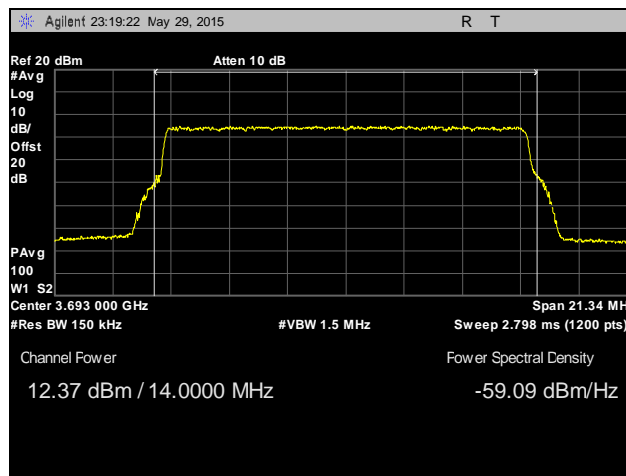
Plot 82. EIRP, Low Channel, 14 MHz, Chain 1, 26 dBi Antenna



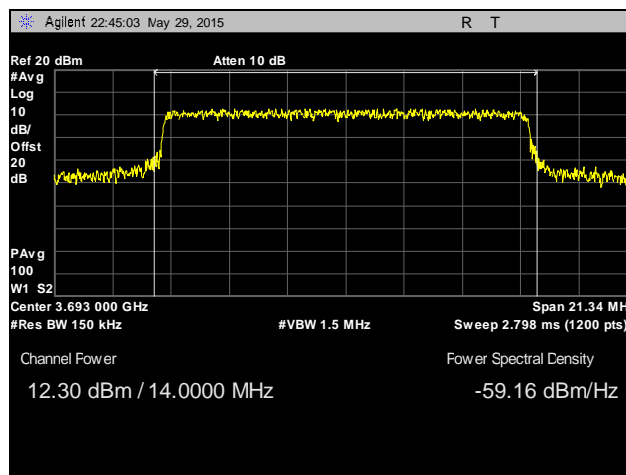
Plot 83. EIRP, Mid Channel, 14 MHz, Chain 0, 26 dBi Antenna



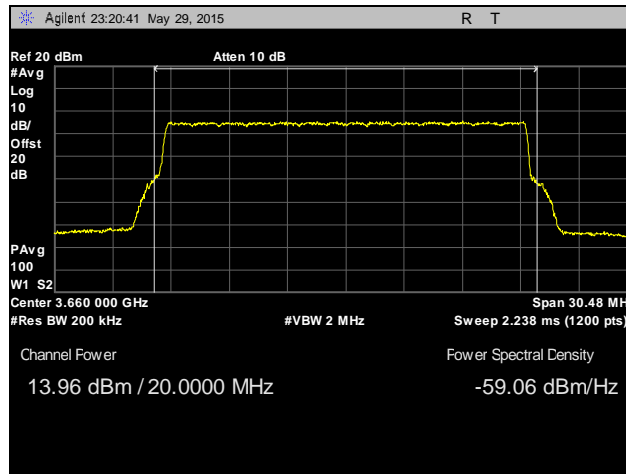
**Plot 84. EIRP, Mid Channel, 14 MHz, Chain 1, 26 dBi Antenna**



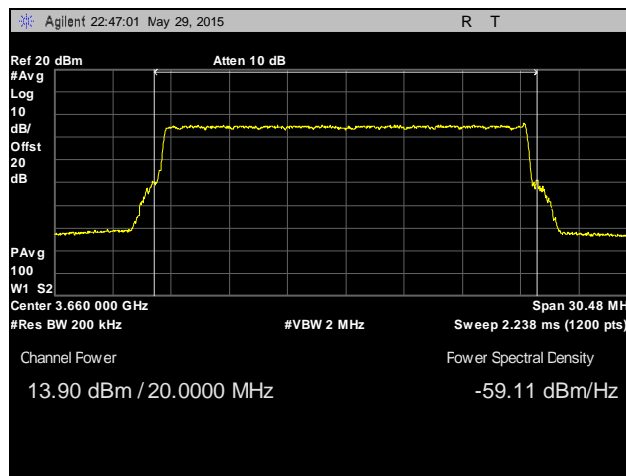
**Plot 85. EIRP, High Channel, 14 MHz, Chain 0, 26 dBi Antenna**



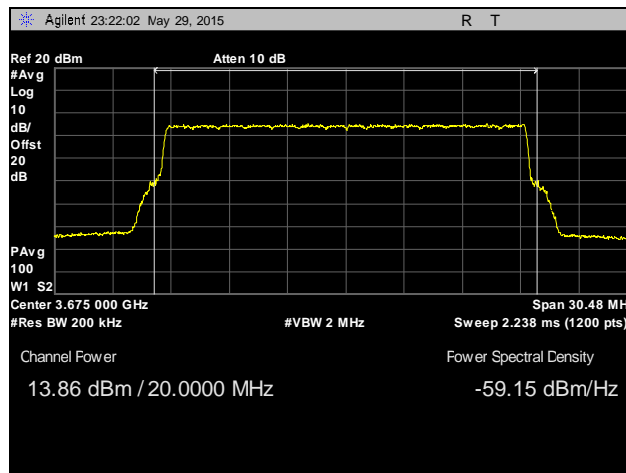
**Plot 86. EIRP, High Channel, 14 MHz, Chain 1, 26 dBi Antenna**



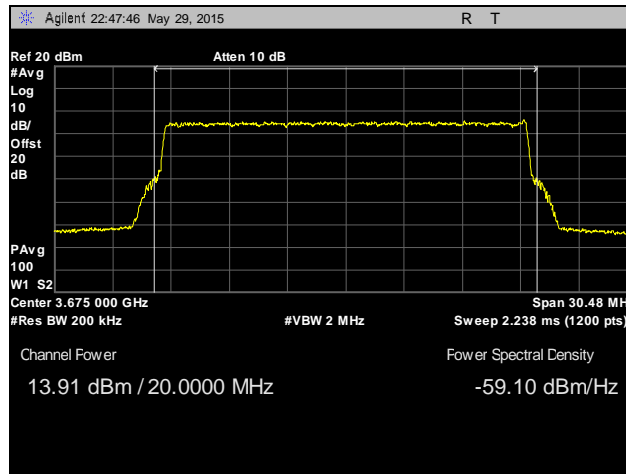
Plot 87. EIRP, Low Channel, 20 MHz, Chain 0, 26 dBi Antenna



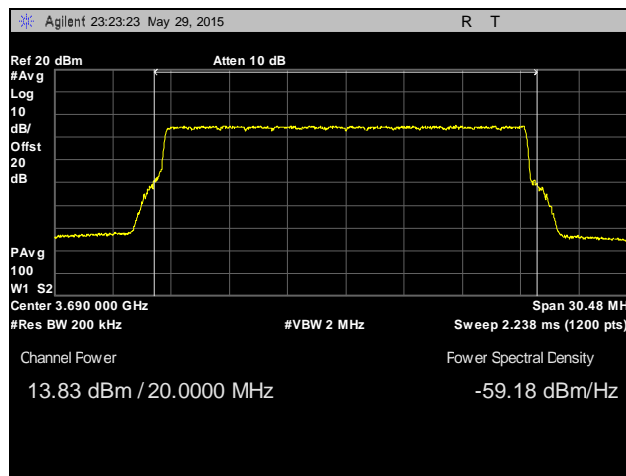
Plot 88. EIRP, Low Channel, 20 MHz, Chain 1, 26 dBi Antenna



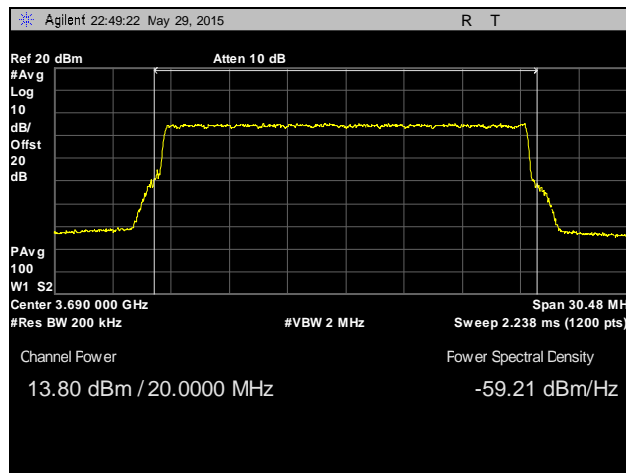
Plot 89. EIRP, Mid Channel, 20 MHz, Chain 0, 26 dBi Antenna



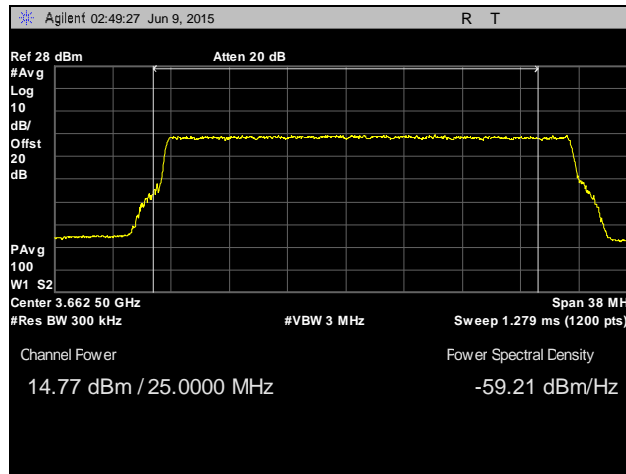
Plot 90. EIRP, Mid Channel, 20 MHz, Chain 1, 26 dBi Antenna



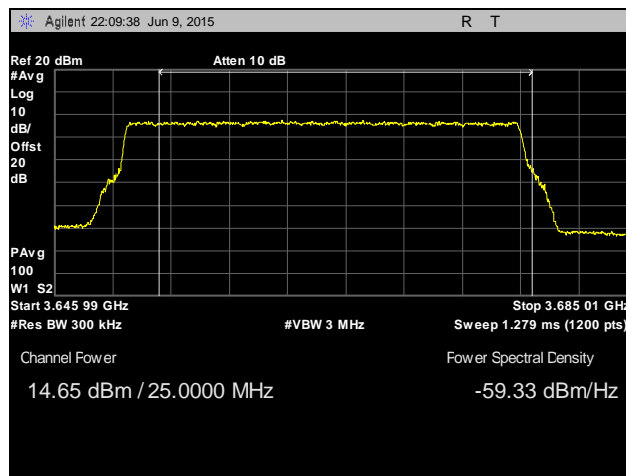
Plot 91. EIRP, High Channel, 20 MHz, Chain 0, 26 dBi Antenna



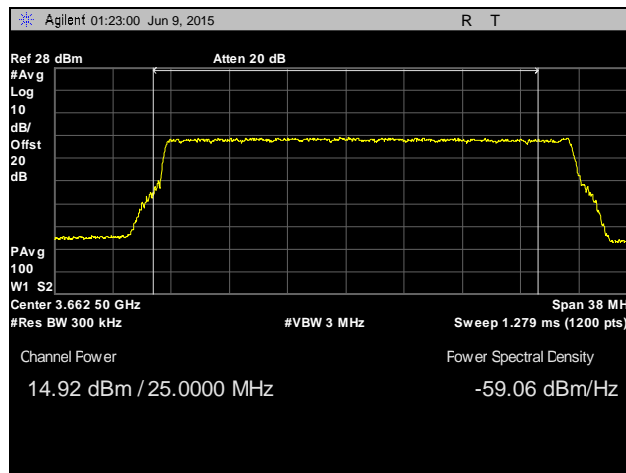
Plot 92. EIRP, High Channel, 20 MHz, Chain 1, 26 dBi Antenna



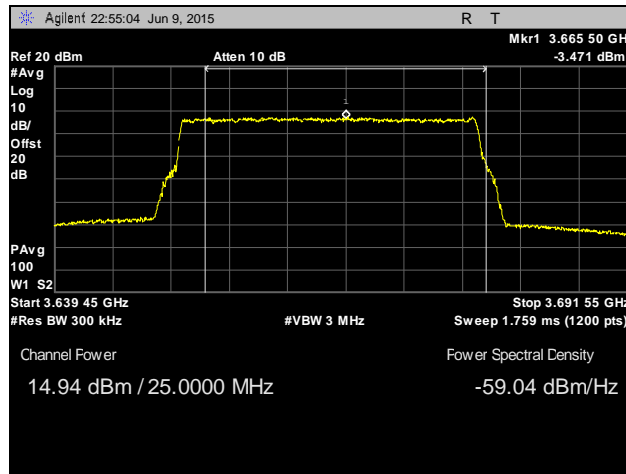
Plot 93. EIRP, Low Channel, 28 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



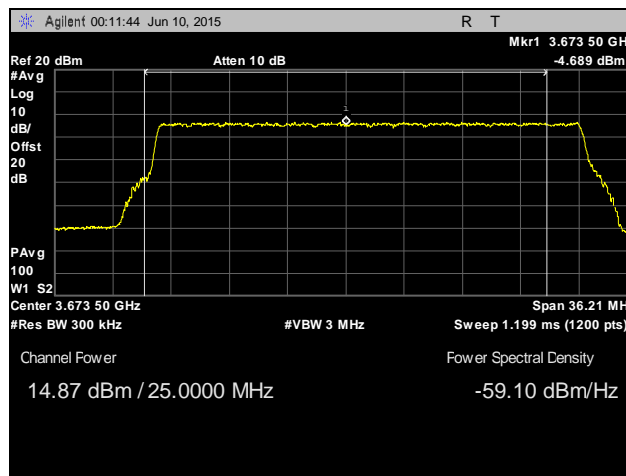
Plot 94. EIRP, Low Channel, 28 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna



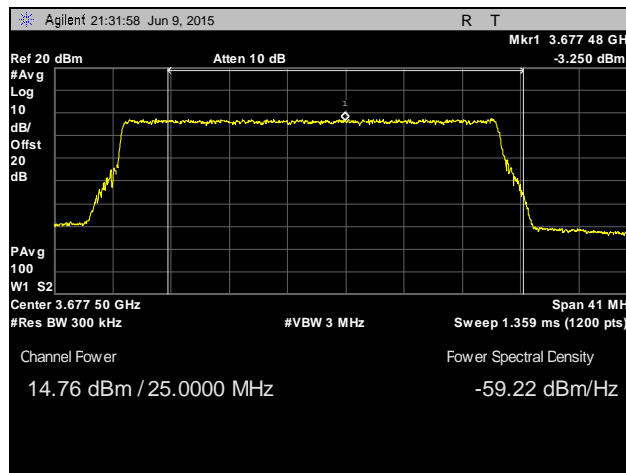
Plot 95. EIRP, Low Channel, 28 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



Plot 96. EIRP, Low Channel, 28 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna

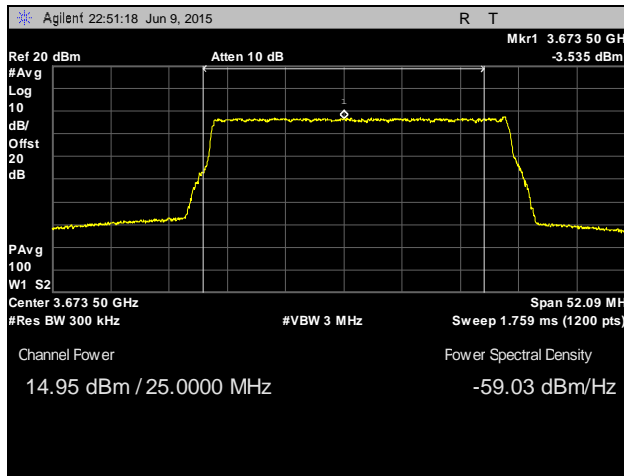


Plot 97. EIRP, Mid Channel, 28 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna

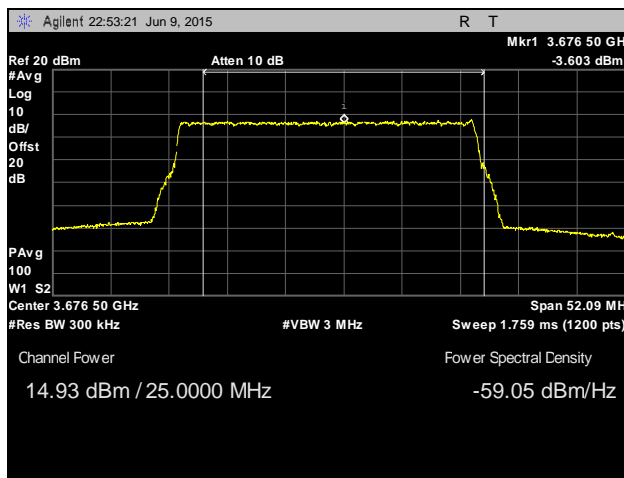


Plot 98. EIRP, Mid Channel, 28 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna

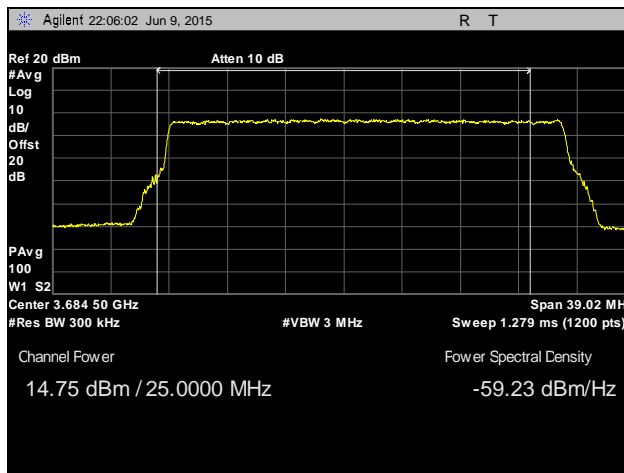




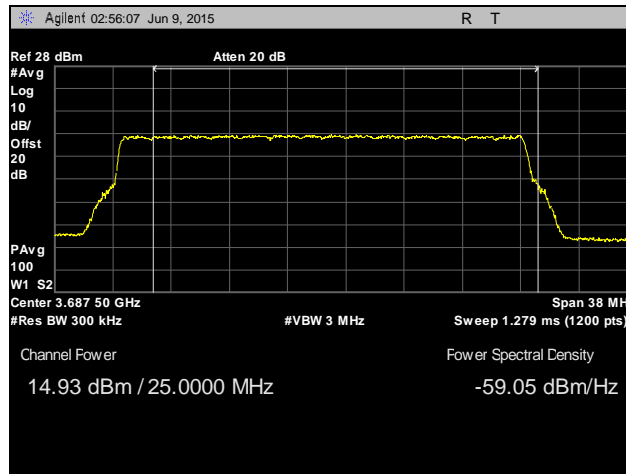
Plot 99. EIRP, Mid Channel, 28 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



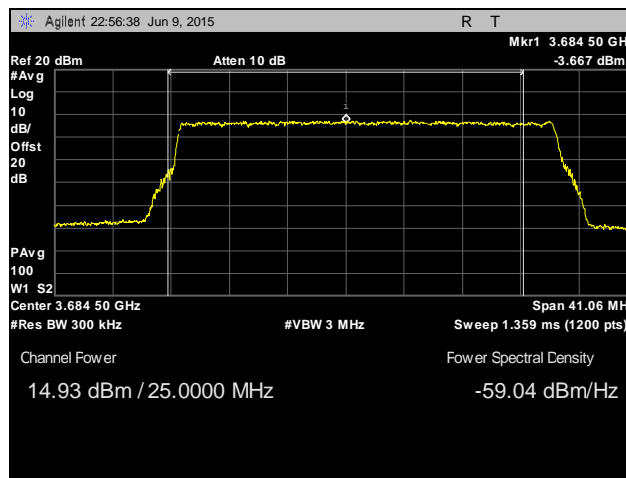
Plot 100. EIRP, Mid Channel, 28 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna



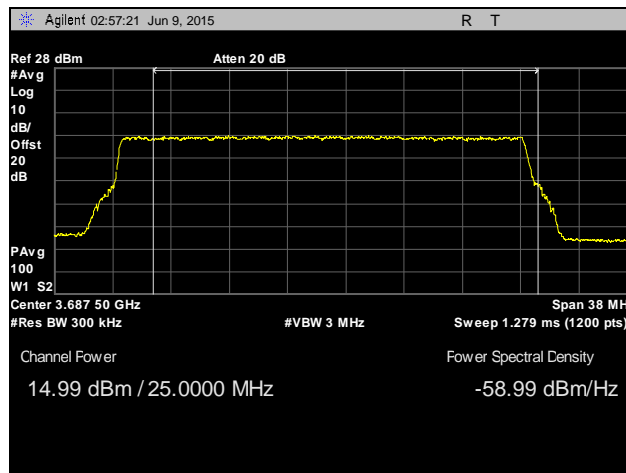
Plot 101. EIRP, High Channel, 28 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



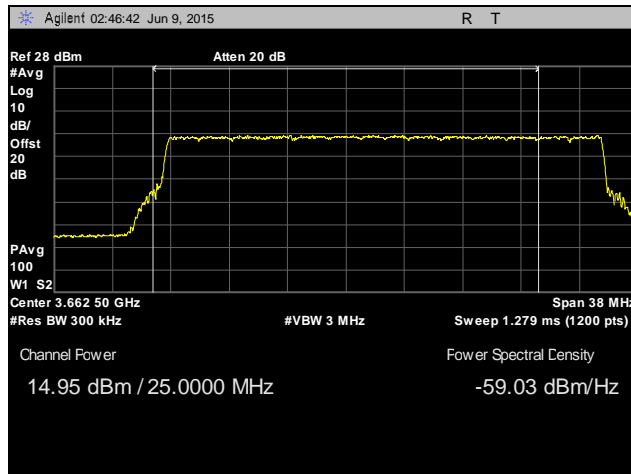
Plot 102. EIRP, High Channel, 28 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna



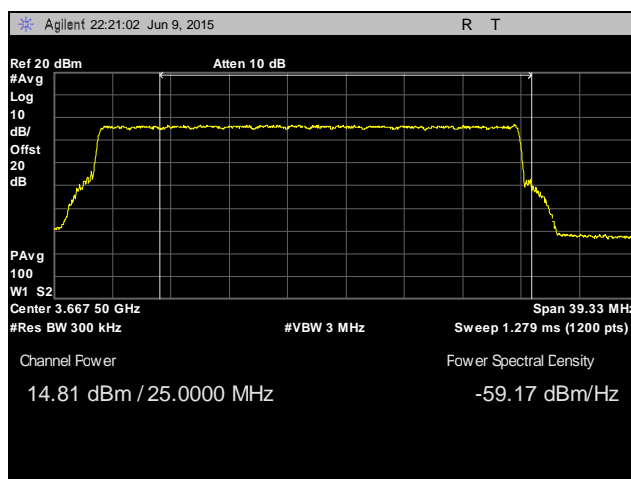
Plot 103. EIRP, High Channel, 28 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



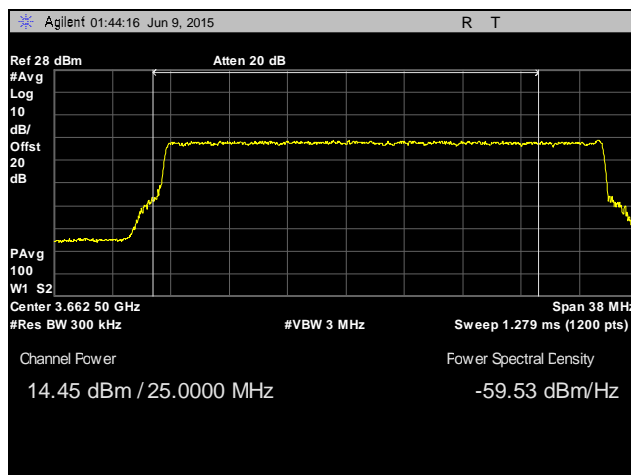
Plot 104. EIRP, High Channel, 28 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna



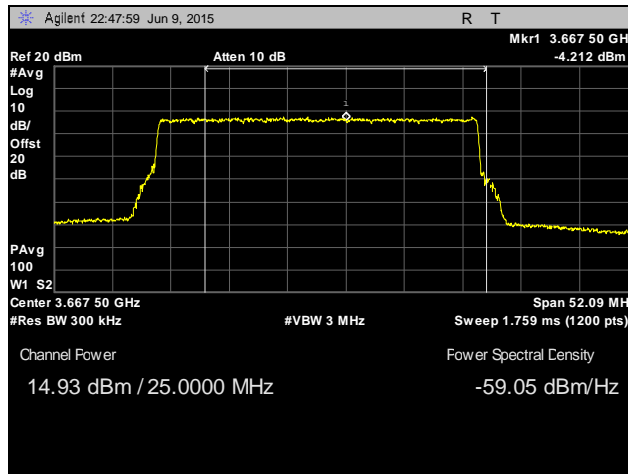
Plot 105. EIRP, Low Channel, 30 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



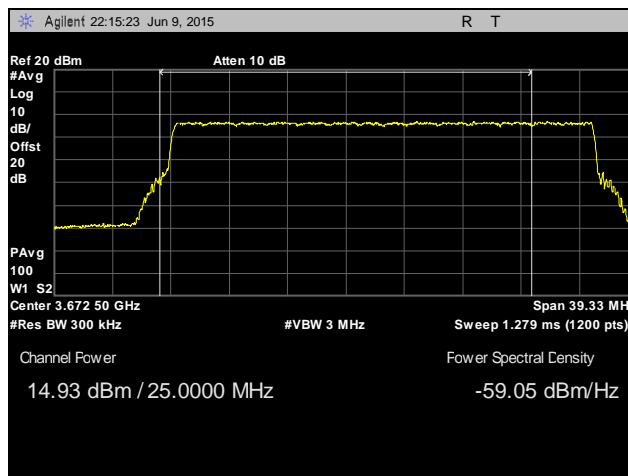
Plot 106. EIRP, Low Channel, 30 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna



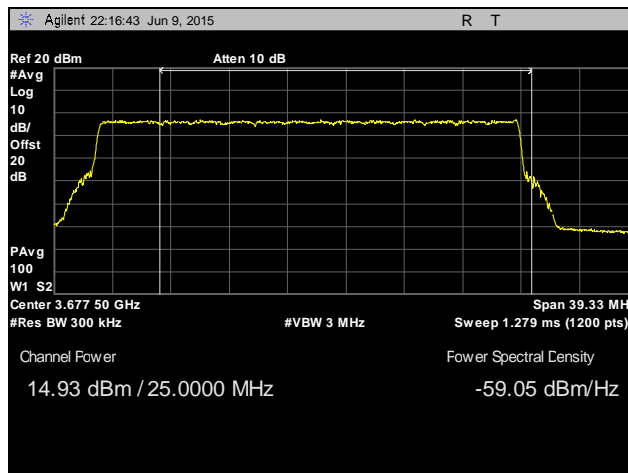
Plot 107. EIRP, Low Channel, 30 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



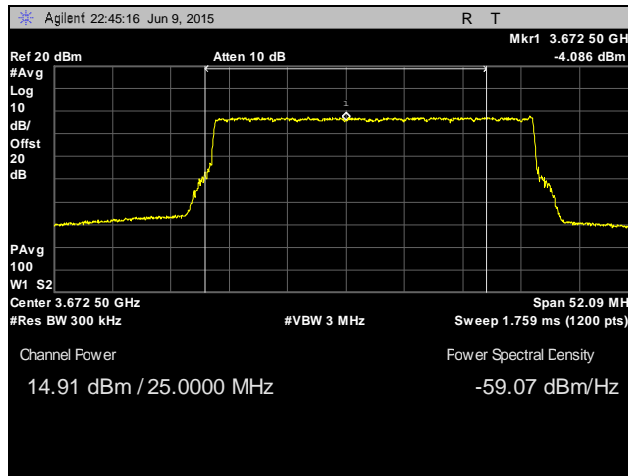
Plot 108. EIRP, Low Channel, 30 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna



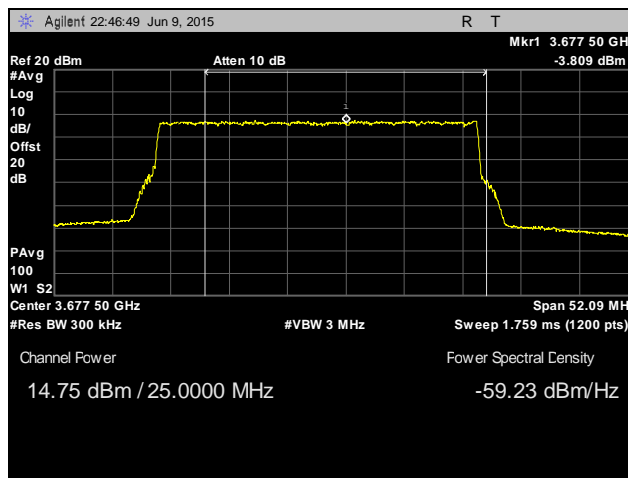
Plot 109. EIRP, Mid Channel, 30 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



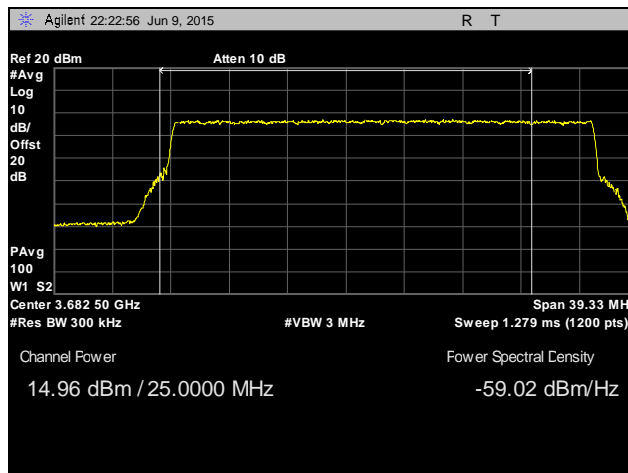
Plot 110. EIRP, Mid Channel, 30 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna



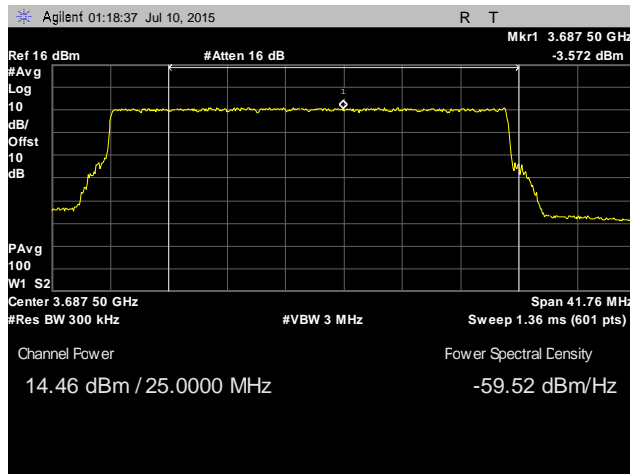
Plot 111. EIRP, Mid Channel, 30 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



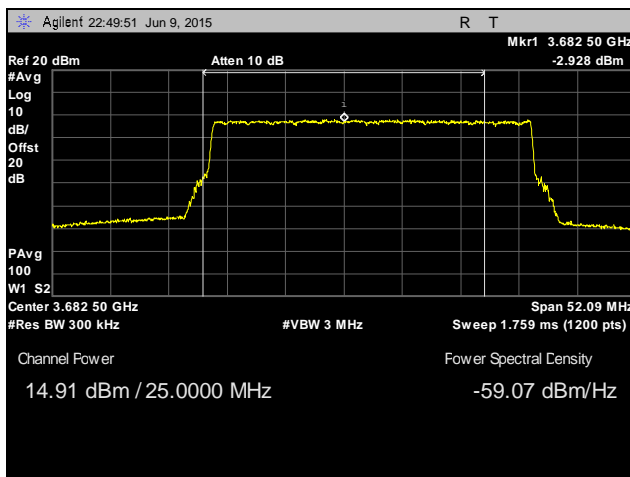
Plot 112. EIRP, Mid Channel, 30 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna



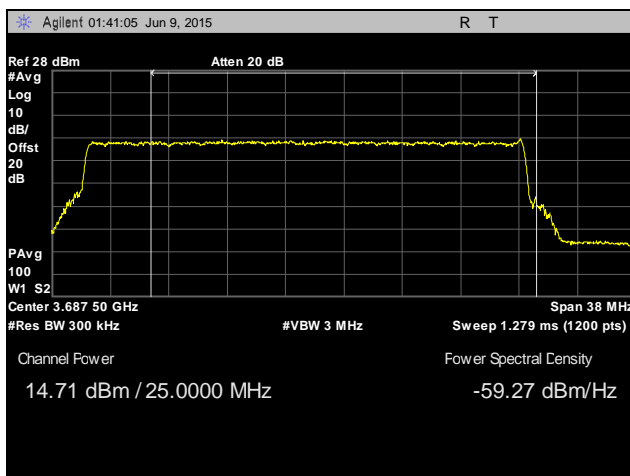
Plot 113. EIRP, High Channel, 30 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



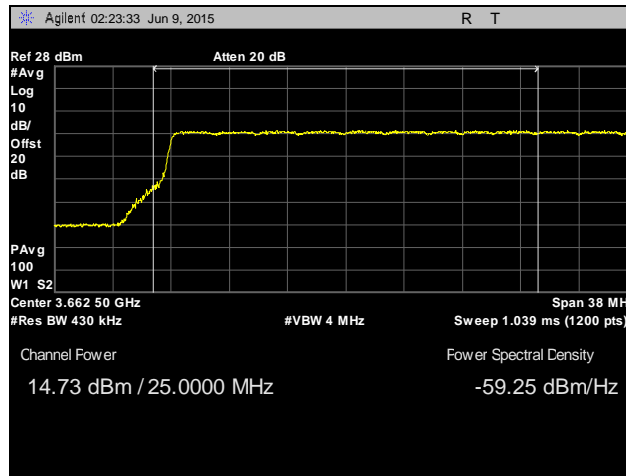
Plot 114. EIRP, High Channel, 30 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna



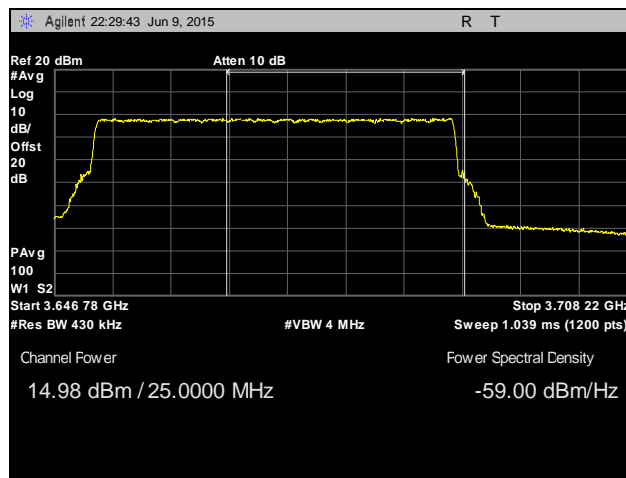
Plot 115. EIRP, High Channel, 30 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



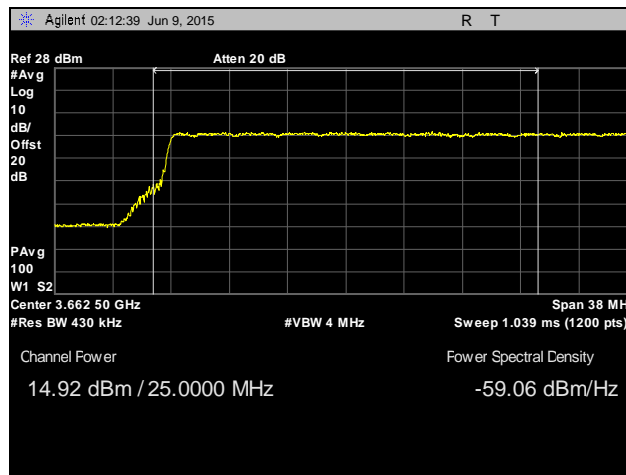
Plot 116. EIRP, High Channel, 30 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna



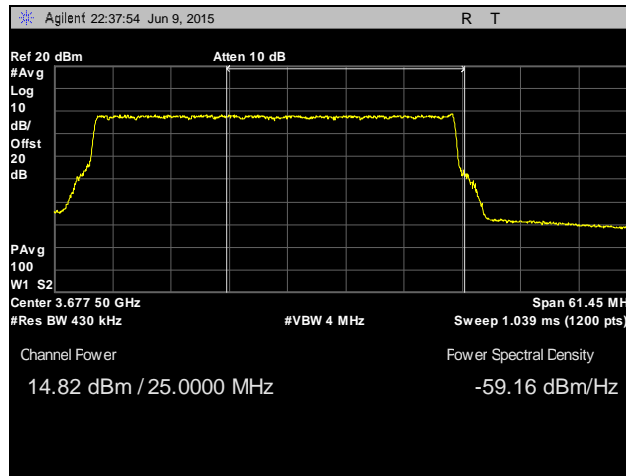
Plot 117. EIRP, Low Channel, 40 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



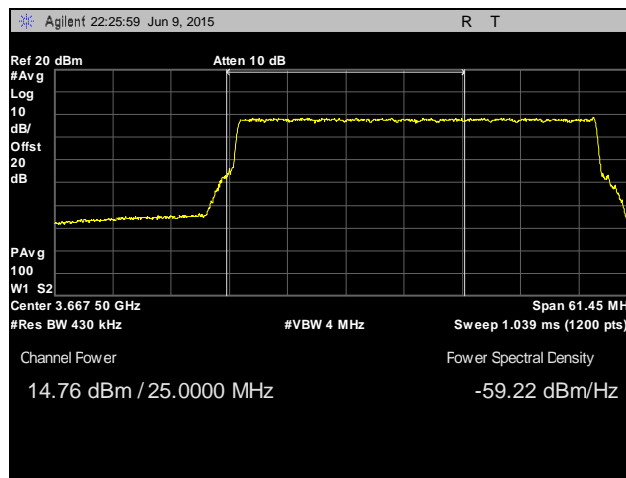
Plot 118. EIRP, Low Channel, 40 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna



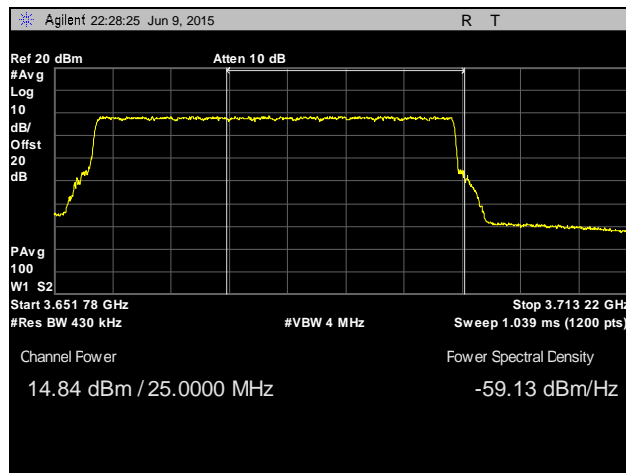
Plot 119. EIRP, Low Channel, 40 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



Plot 120. EIRP, Low Channel, 40 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna

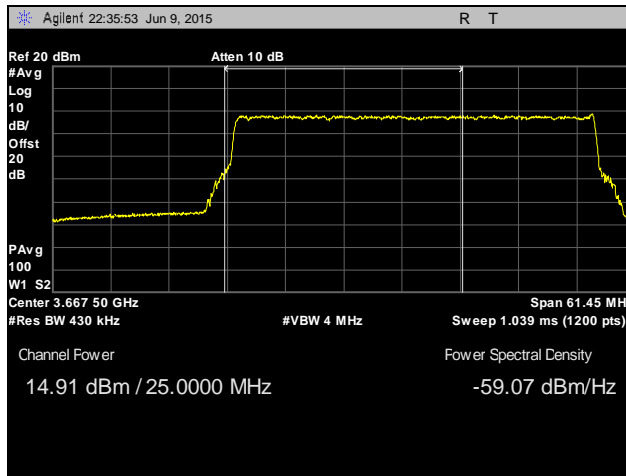


Plot 121. EIRP, Mid Channel, 40 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna

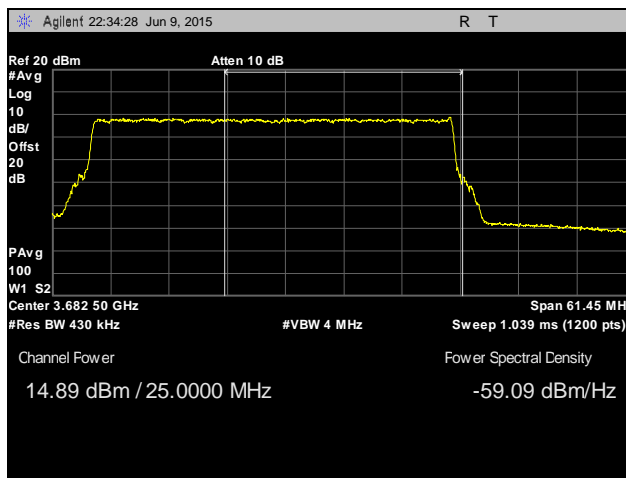


Plot 122. EIRP, Mid Channel, 40 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna

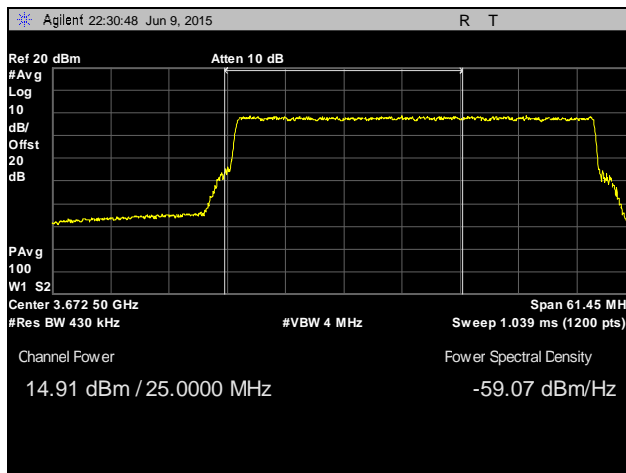




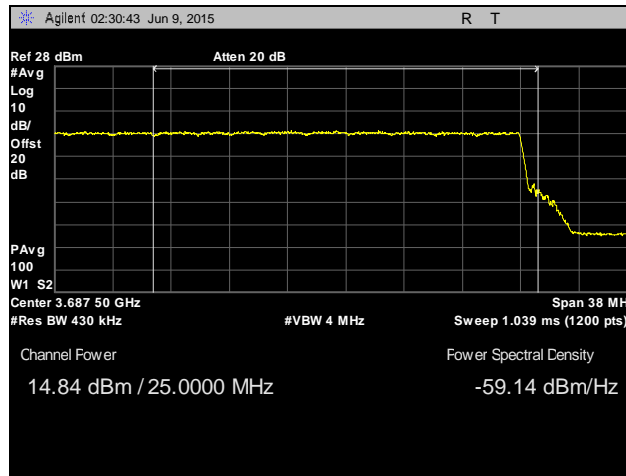
Plot 123. EIRP, Mid Channel, 40 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna



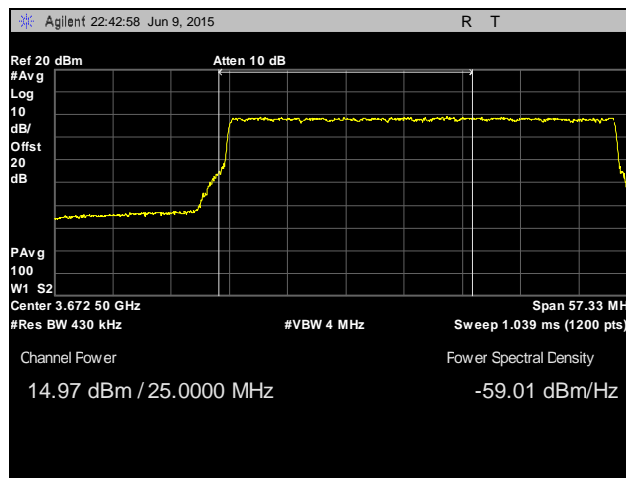
Plot 124. EIRP, Mid Channel, 40 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna



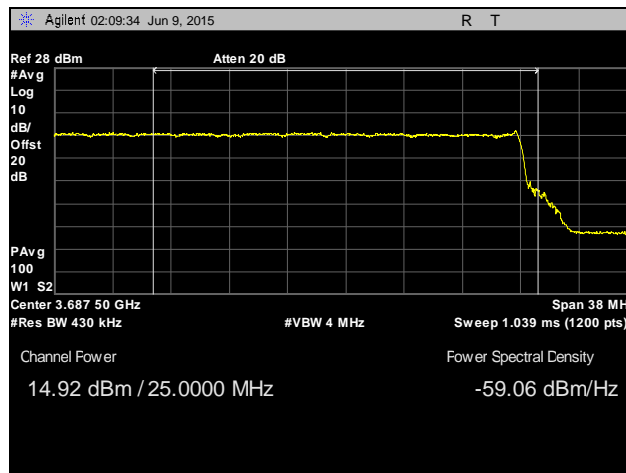
Plot 125. EIRP, High Channel, 40 MHz, Chain 0, Lower 25 MHz, 26 dBi Antenna



Plot 126. EIRP, High Channel, 40 MHz, Chain 0, Upper 25 MHz, 26 dBi Antenna

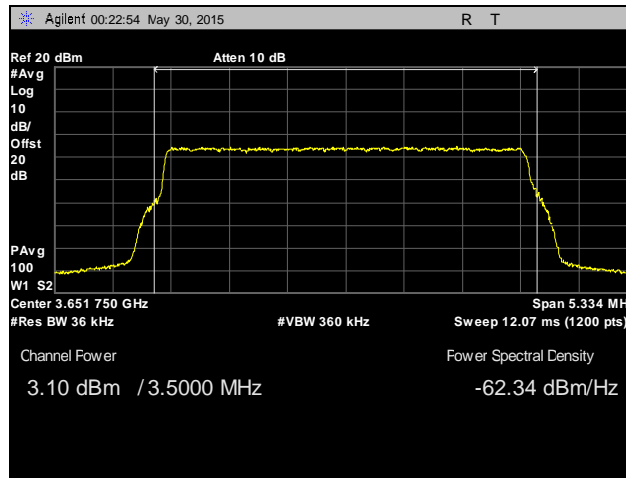


Plot 127. EIRP, High Channel, 40 MHz, Chain 1, Lower 25 MHz, 26 dBi Antenna

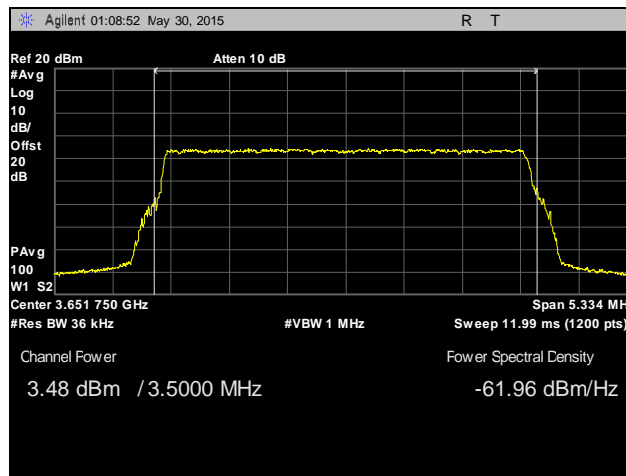


Plot 128. EIRP, High Channel, 40 MHz, Chain 1, Upper 25 MHz, 26 dBi Antenna

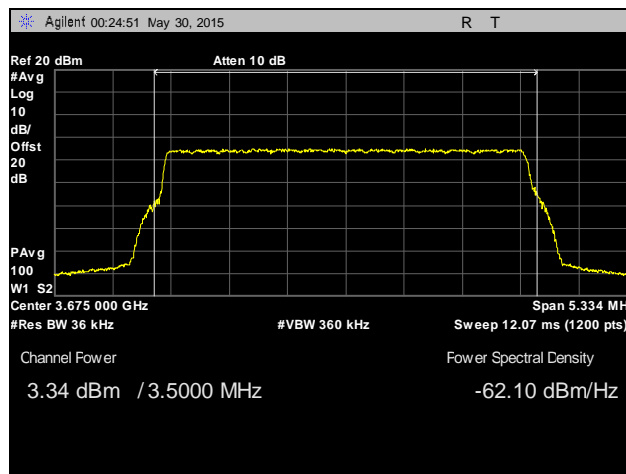
## RF Output Power, 29 dBi Antenna



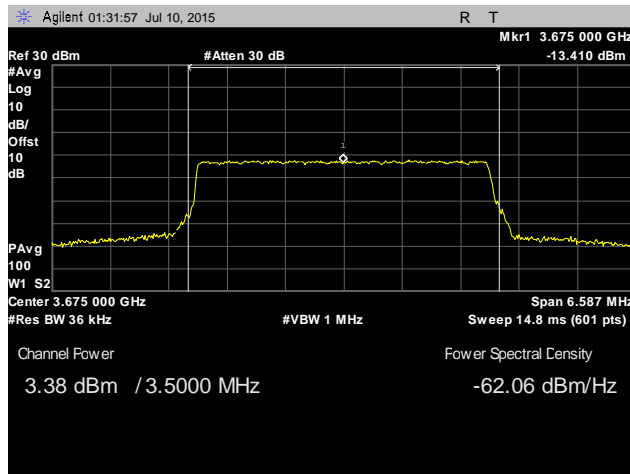
Plot 129. EIRP, Low Channel, 3.5 MHz, Chain 0, 29 dBi Antenna



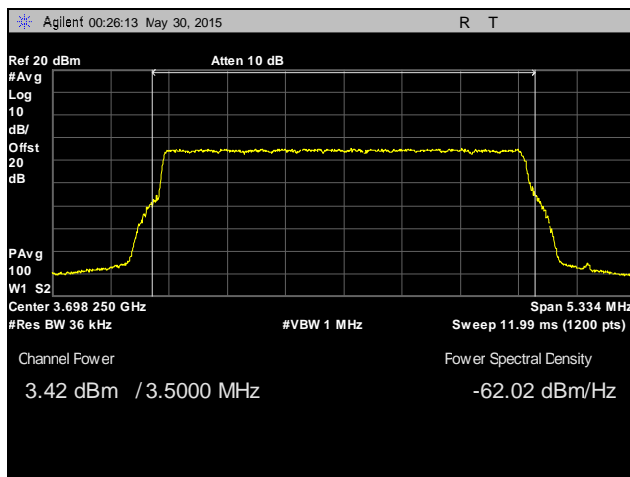
Plot 130. EIRP, Low Channel, 3.5 MHz, Chain 1, 29 dBi Antenna



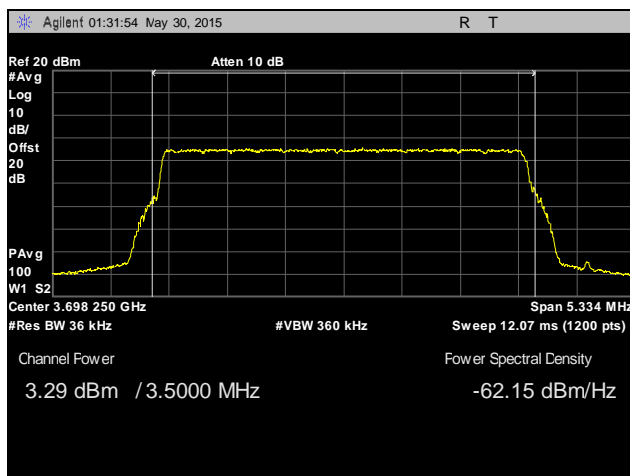
Plot 131. EIRP, Mid Channel, 3.5 MHz, Chain 0, 29 dBi Antenna



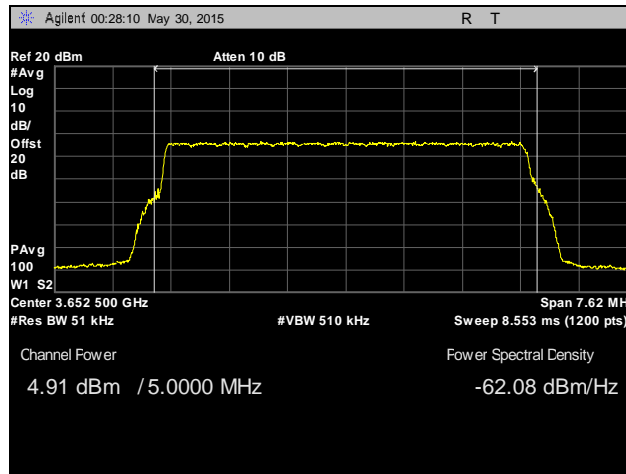
Plot 132. EIRP, Mid Channel, 3.5 MHz, Chain 1, 29 dBi Antenna



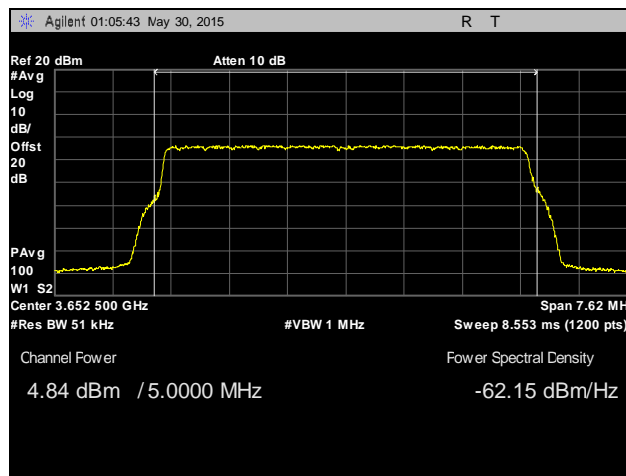
Plot 133. EIRP, High Channel, 3.5 MHz, Chain 0, 29 dBi Antenna



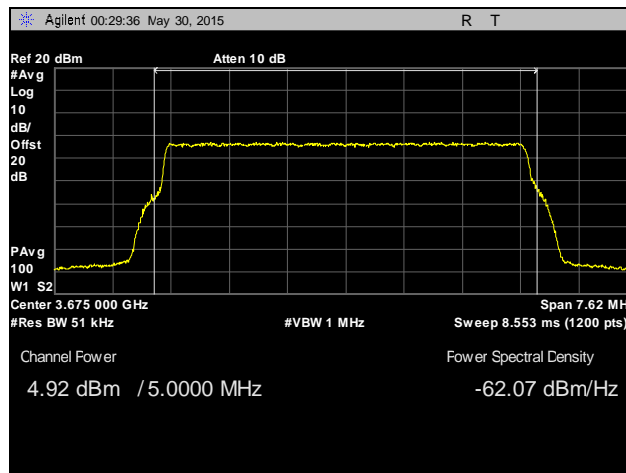
Plot 134. EIRP, High Channel, 3.5 MHz, Chain 1, 29 dBi Antenna



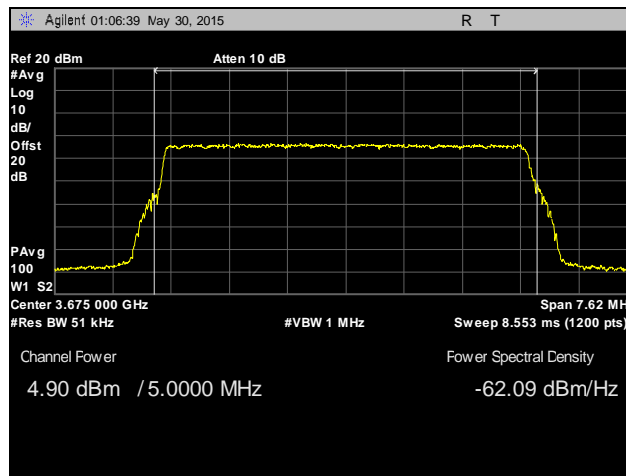
Plot 135. EIRP, Low Channel, 5 MHz, Chain 0, 29 dBi Antenna



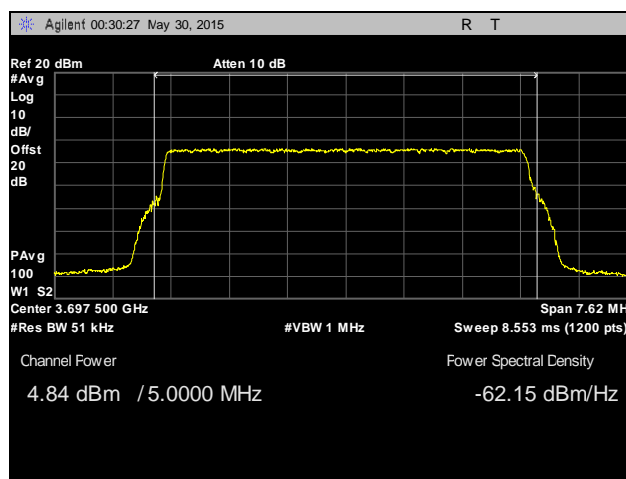
Plot 136. EIRP, Low Channel, 5 MHz, Chain 1, 29 dBi Antenna



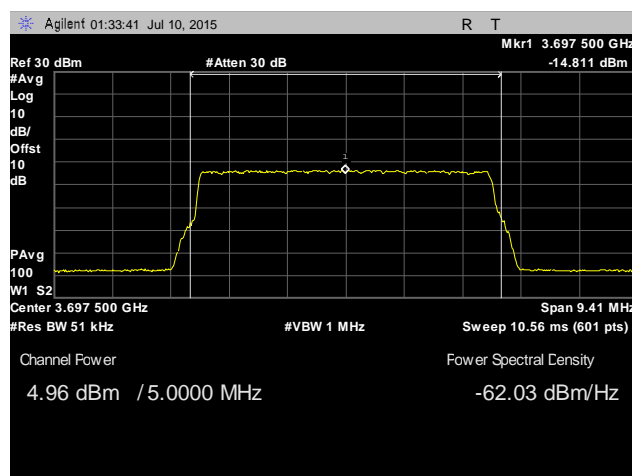
Plot 137. EIRP, Mid Channel, 5 MHz, Chain 0, 29 dBi Antenna



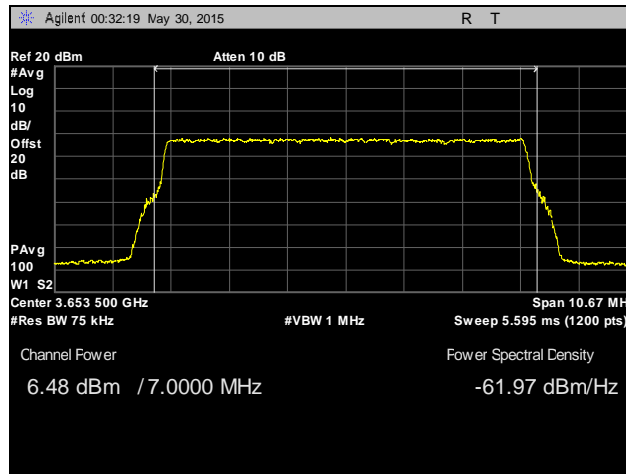
Plot 138. EIRP, Mid Channel, 5 MHz, Chain 1, 29 dBi Antenna



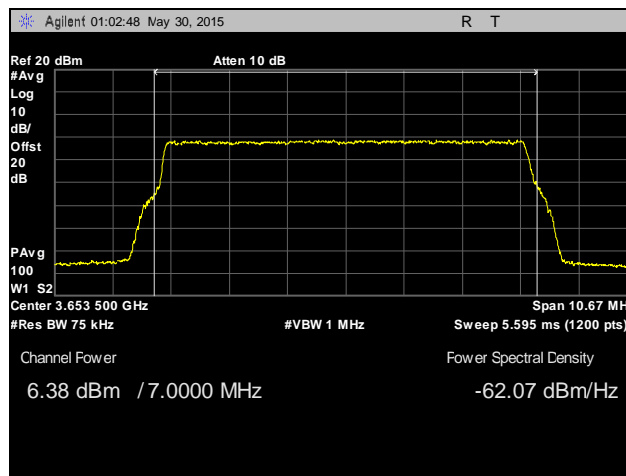
Plot 139. EIRP, High Channel, 5 MHz, Chain 0, 29 dBi Antenna



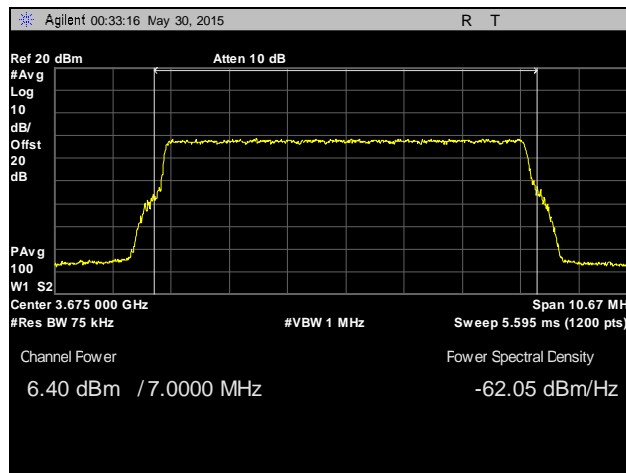
Plot 140. EIRP, High Channel, 5 MHz, Chain 1, 29 dBi Antenna



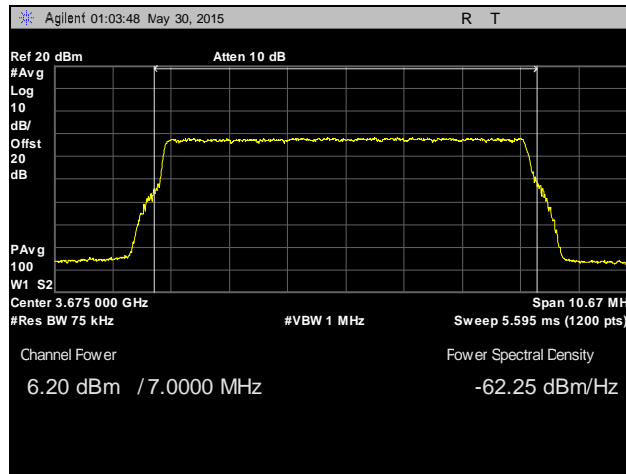
Plot 141. EIRP, Low Channel, 7 MHz, Chain 0, 29 dBi Antenna



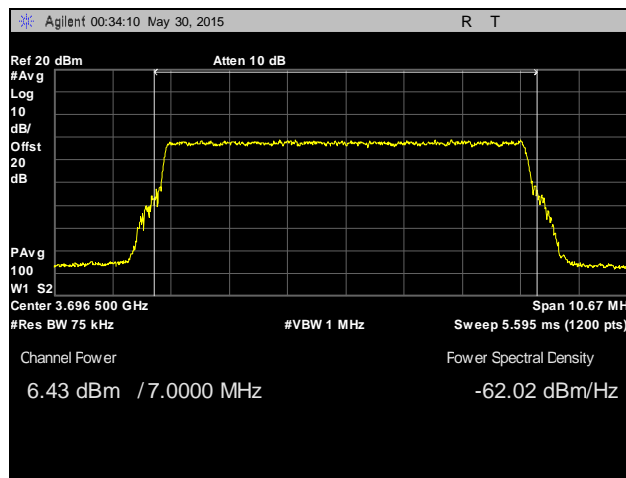
Plot 142. EIRP, Low Channel, 7 MHz, Chain 1, 29 dBi Antenna



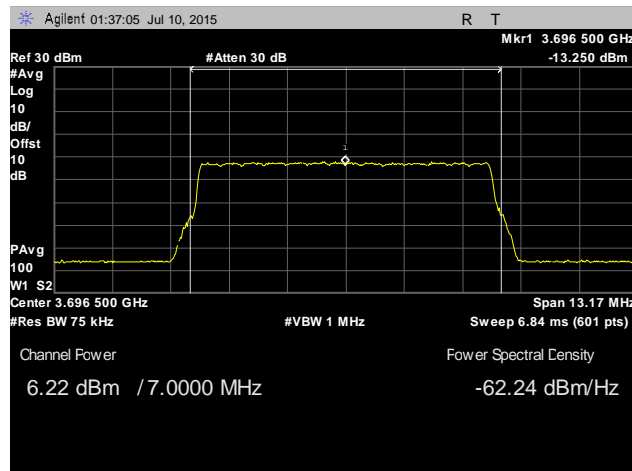
Plot 143. EIRP, Mid Channel, 7 MHz, Chain 0, 29 dBi Antenna



Plot 144. EIRP, Mid Channel, 7 MHz, Chain 1, 29 dBi Antenna

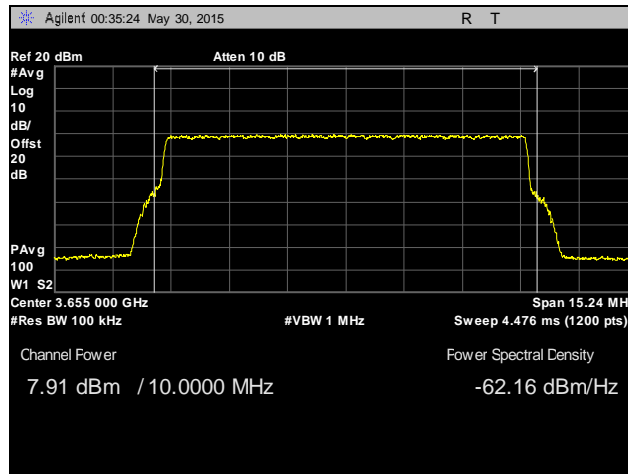


Plot 145. EIRP, High Channel, 7 MHz, Chain 0, 29 dBi Antenna

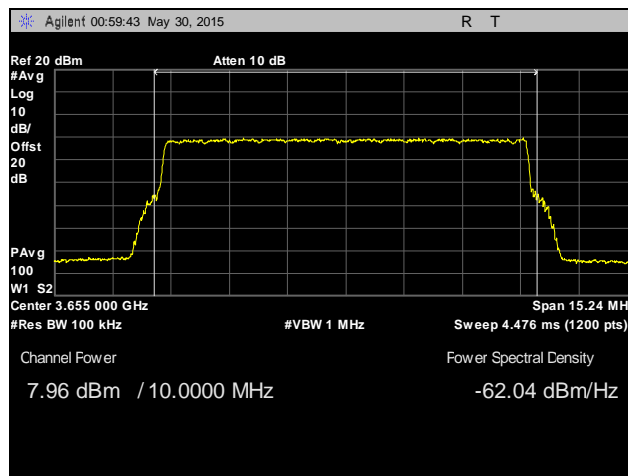


Plot 146. EIRP, High Channel, 7 MHz, Chain 1, 29 dBi Antenna

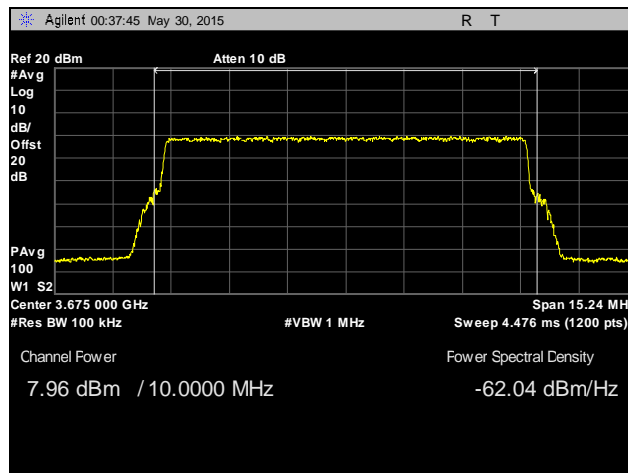




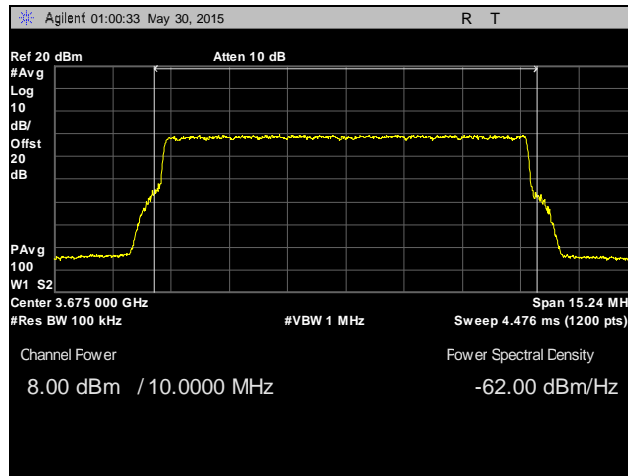
Plot 147. EIRP, Low Channel, 10 MHz, Chain 0, 29 dBi Antenna



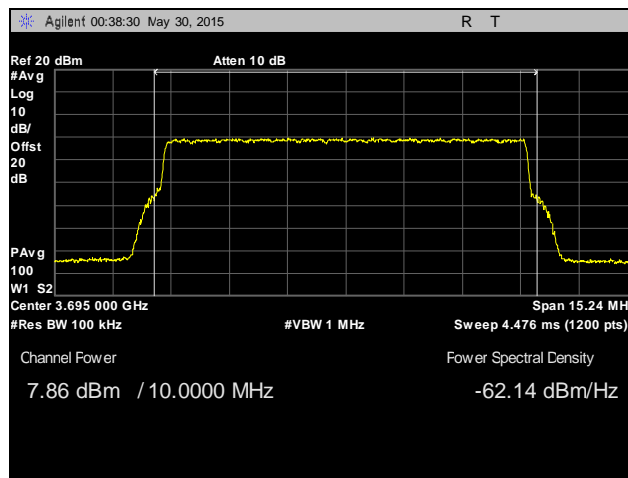
Plot 148. EIRP, Low Channel, 10 MHz, Chain 1, 29 dBi Antenna



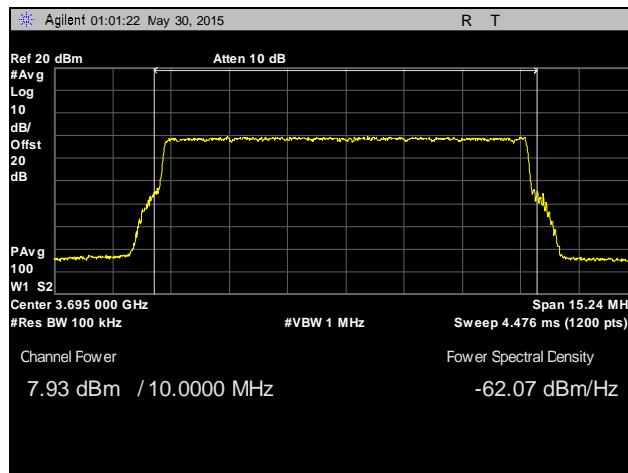
Plot 149. EIRP, Mid Channel, 10 MHz, Chain 0, 29 dBi Antenna



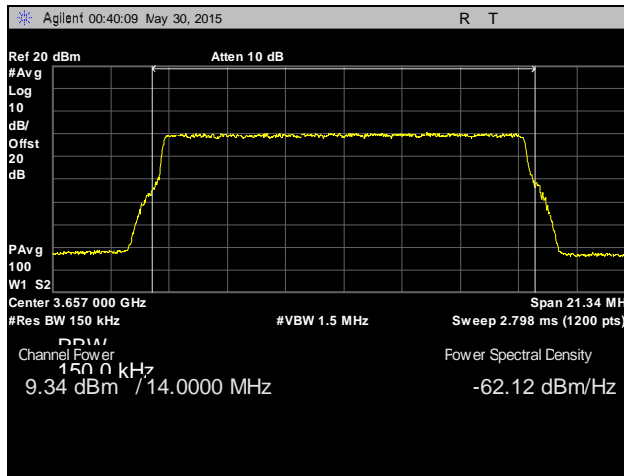
Plot 150. EIRP, Mid Channel, 10 MHz, Chain 1, 29 dBi Antenna



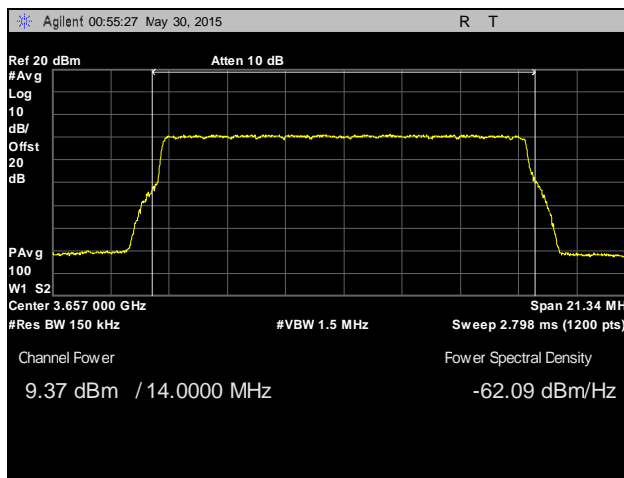
Plot 151. EIRP, High Channel, 10 MHz, Chain 0, 29 dBi Antenna



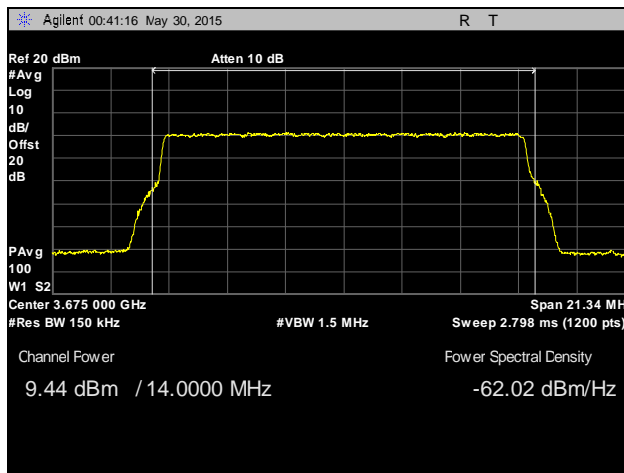
Plot 152. EIRP, High Channel, 10 MHz, Chain 1, 29 dBi Antenna



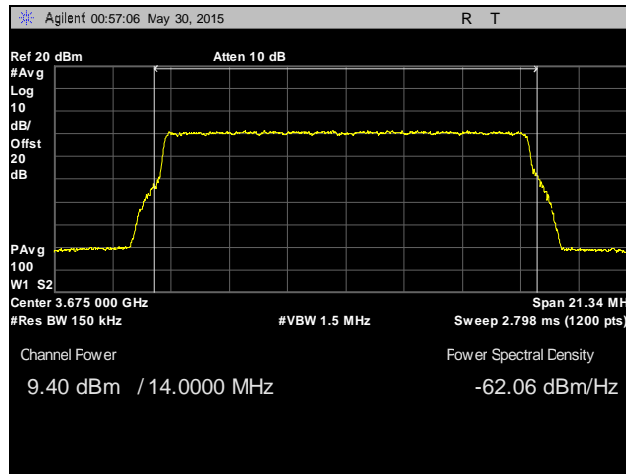
Plot 153. EIRP, Low Channel, 14 MHz, Chain 0, 29 dBi Antenna



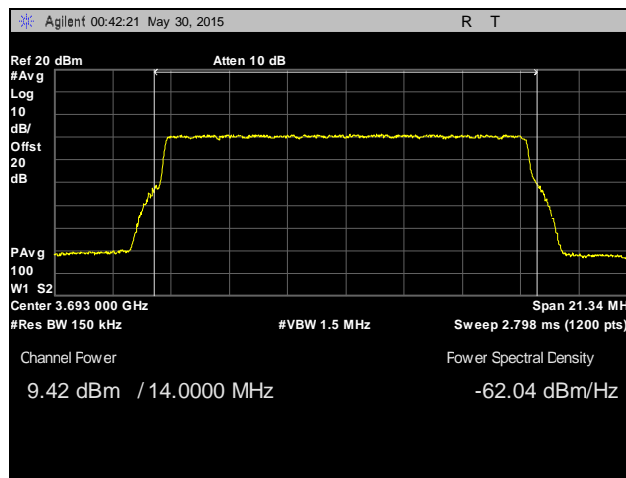
Plot 154. EIRP, Low Channel, 14 MHz, Chain 1, 29 dBi Antenna



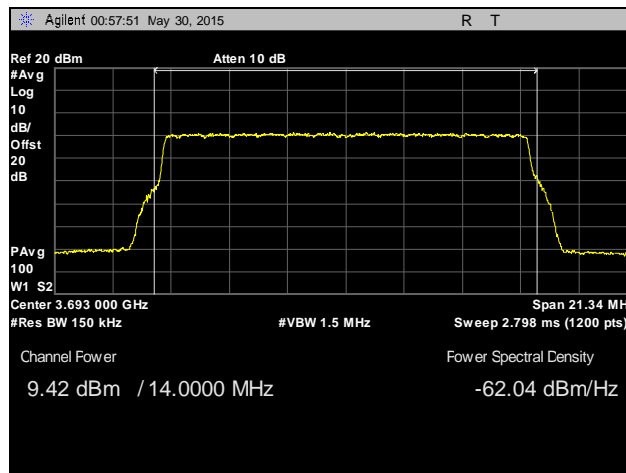
Plot 155. EIRP, Mid Channel, 14 MHz, Chain 0, 29 dBi Antenna



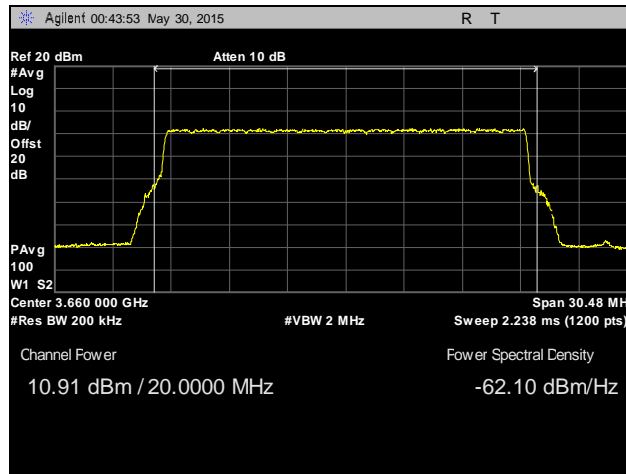
Plot 156. EIRP, Mid Channel, 14 MHz, Chain 1, 29 dBi Antenna



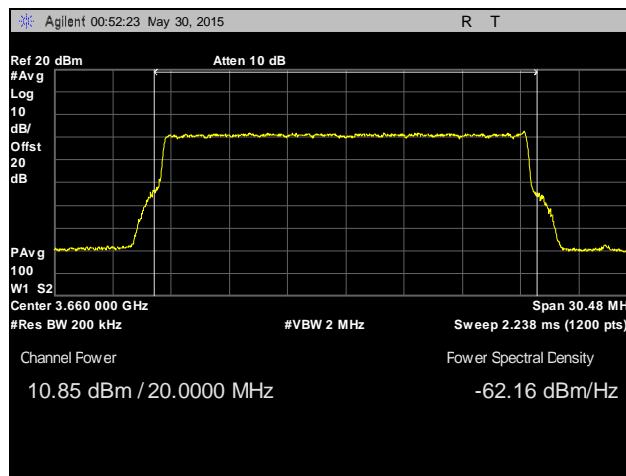
Plot 157. EIRP, High Channel, 14 MHz, Chain 0, 29 dBi Antenna



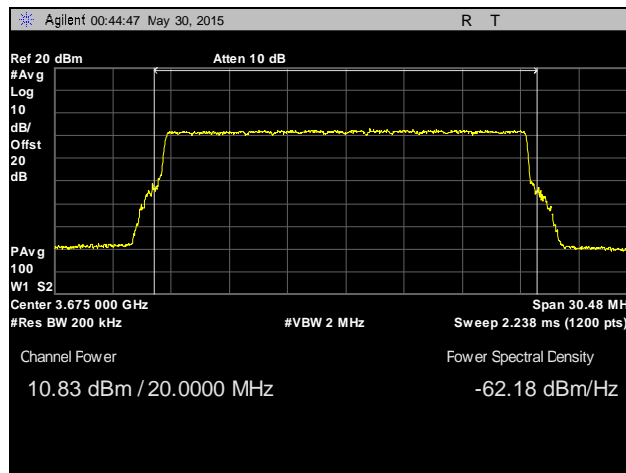
Plot 158. EIRP, High Channel, 14 MHz, Chain 1, 29 dBi Antenna



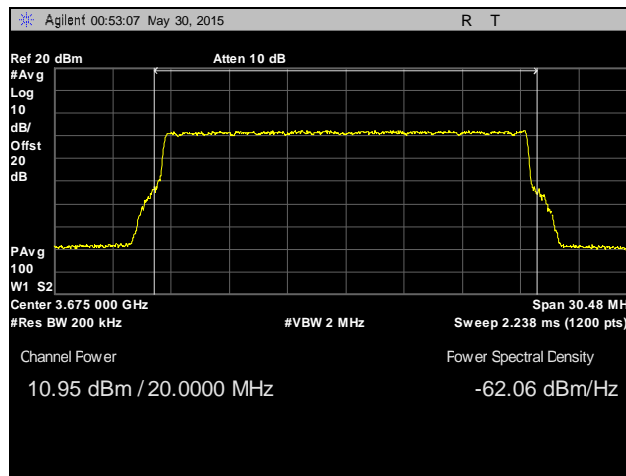
Plot 159. EIRP, Low Channel, 20 MHz, Chain 0, 29 dBi Antenna



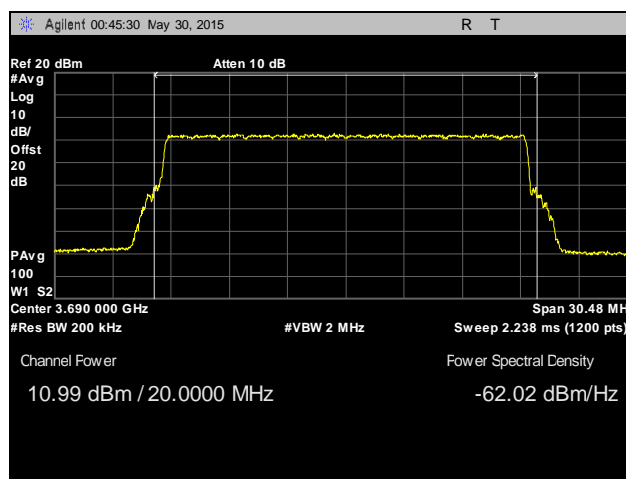
Plot 160. EIRP, Low Channel, 20 MHz, Chain 1, 29 dBi Antenna



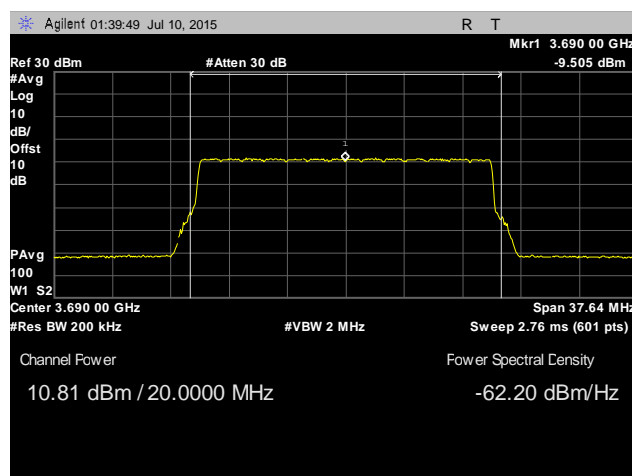
Plot 161. EIRP, Mid Channel, 20 MHz, Chain 0, 29 dBi Antenna



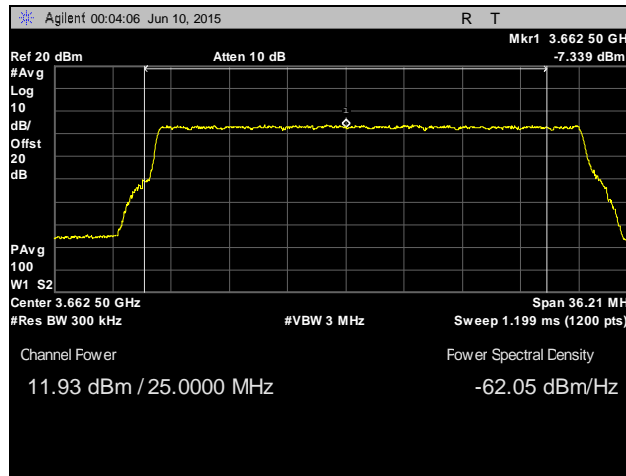
Plot 162. EIRP, Mid Channel, 20 MHz, Chain 1, 29 dBi Antenna



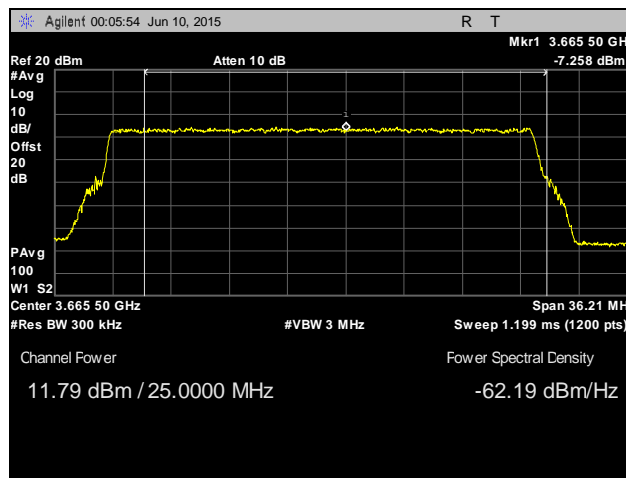
Plot 163. EIRP, High Channel, 20 MHz, Chain 0, 29 dBi Antenna



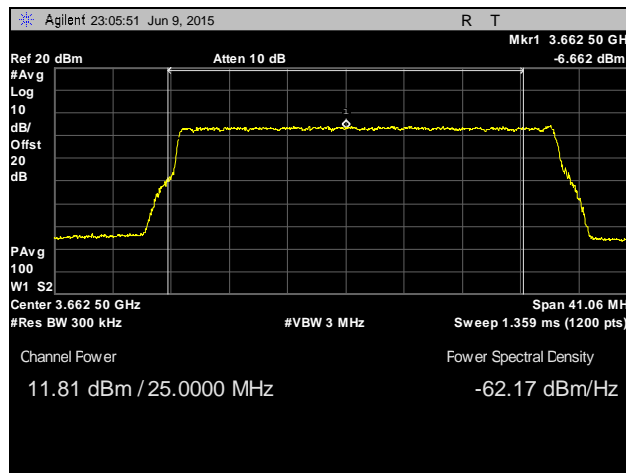
Plot 164. EIRP, High Channel, 20 MHz, Chain 1, 29 dBi Antenna



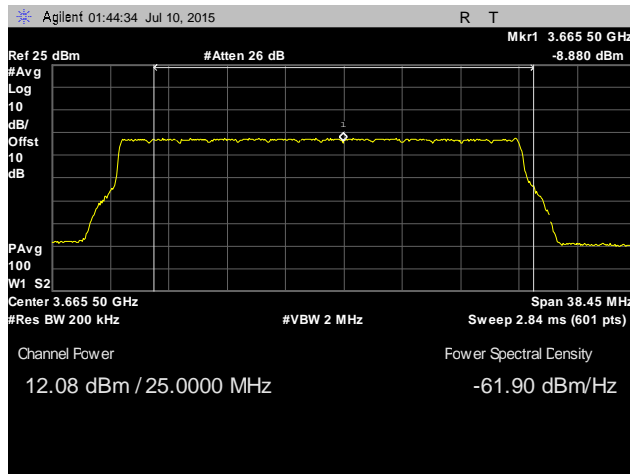
Plot 165. EIRP, Low Channel, 28 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna



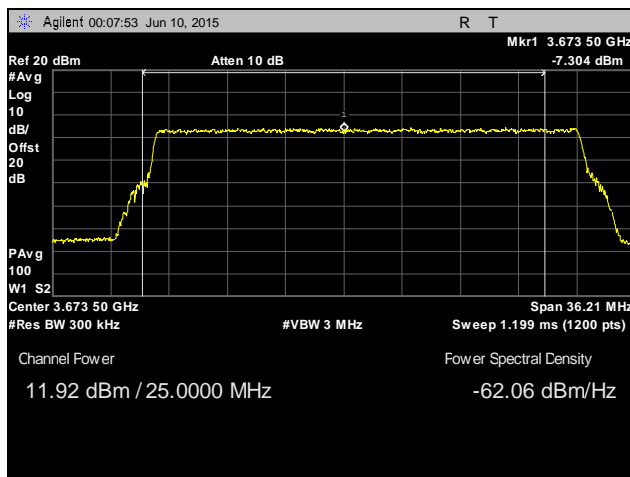
Plot 166. EIRP, Low Channel, 28 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



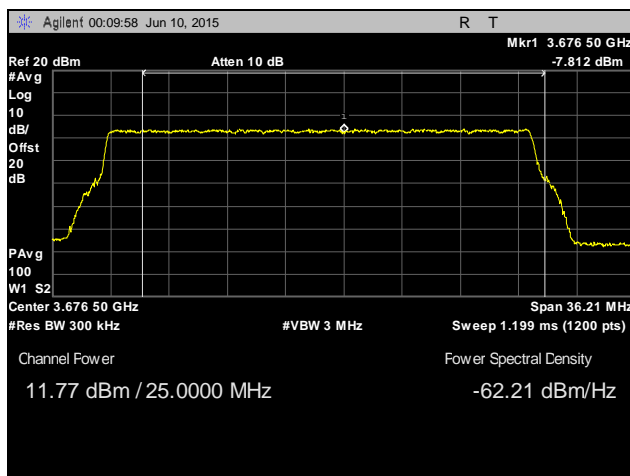
Plot 167. EIRP, Low Channel, 28 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



Plot 168. EIRP, Low Channel, 28 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna

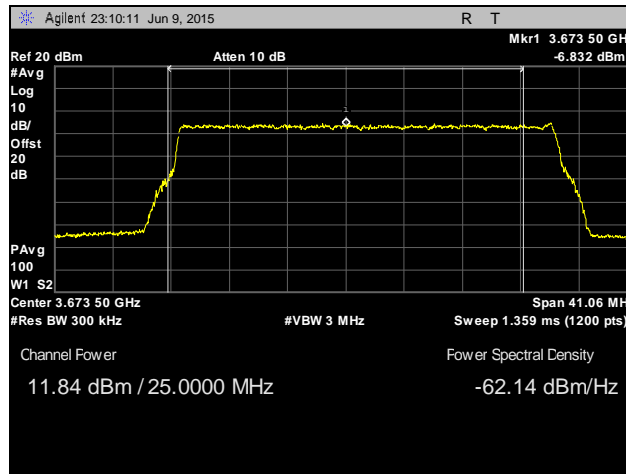


Plot 169. EIRP, Mid Channel, 28 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna

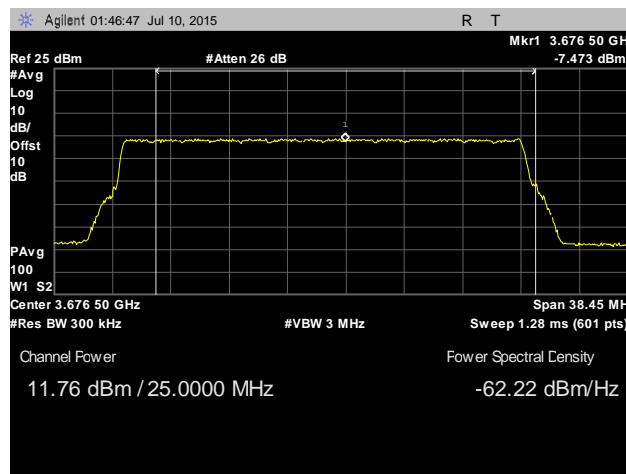


Plot 170. EIRP, Mid Channel, 28 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna

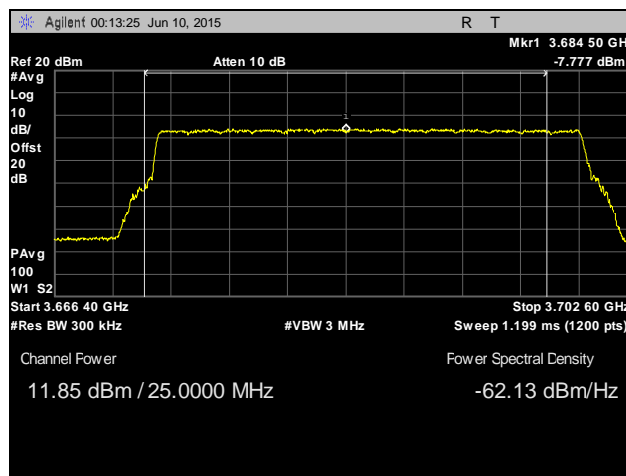




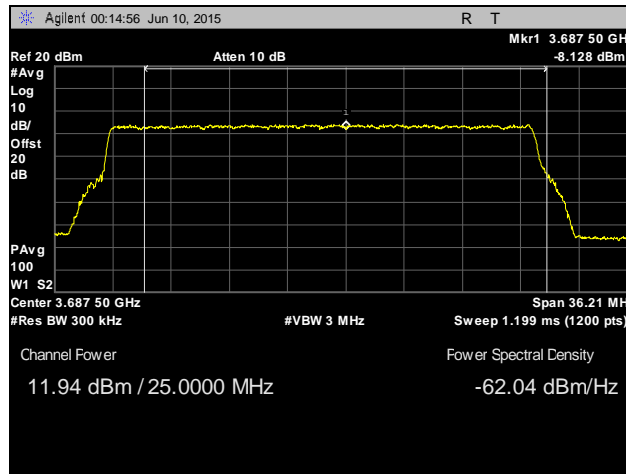
Plot 171. EIRP, Mid Channel, 28 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



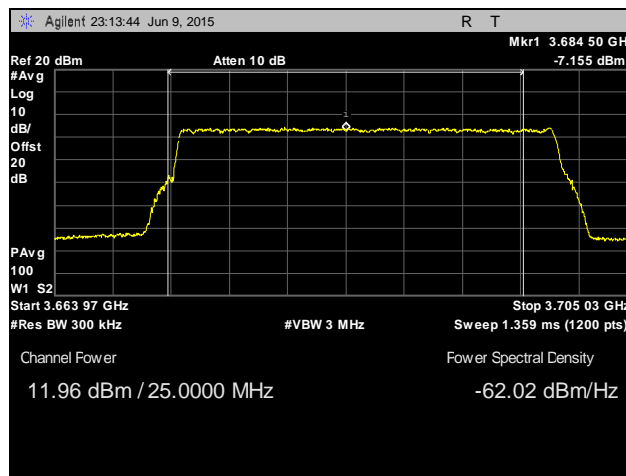
Plot 172. EIRP, Mid Channel, 28 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna



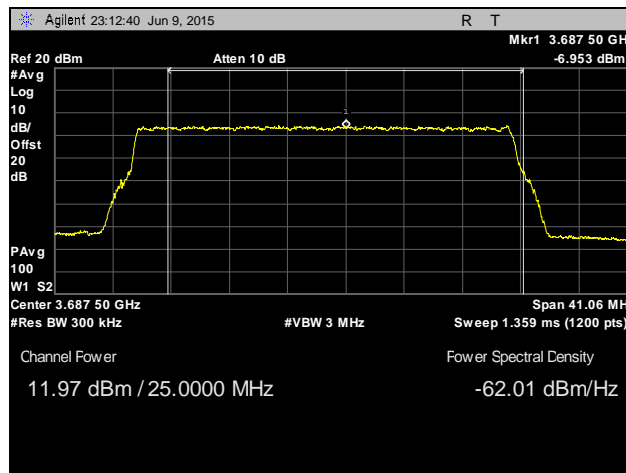
Plot 173. EIRP, High Channel, 28 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna



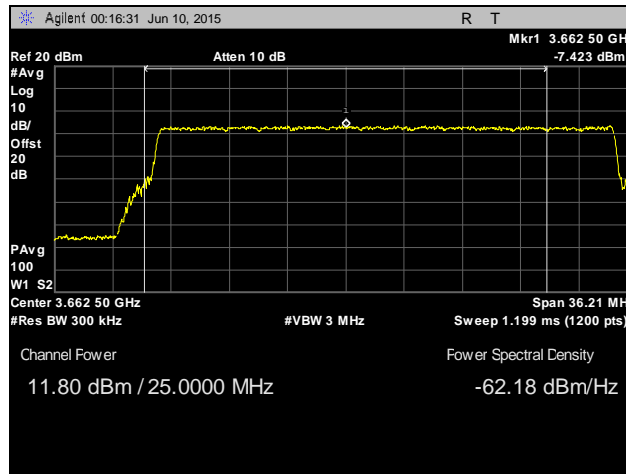
Plot 174. EIRP, High Channel, 28 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



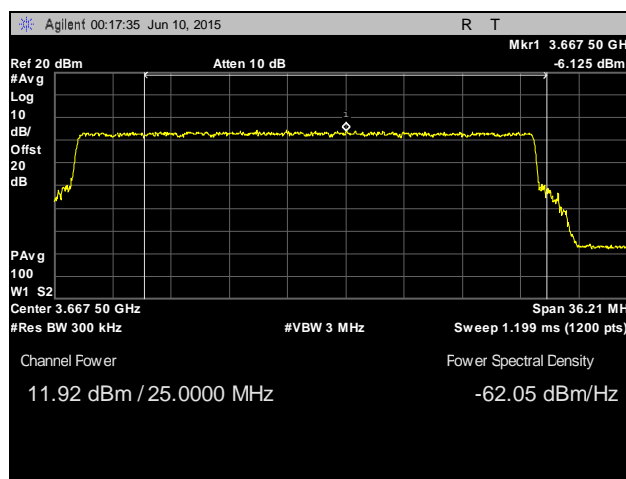
Plot 175. EIRP, High Channel, 28 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



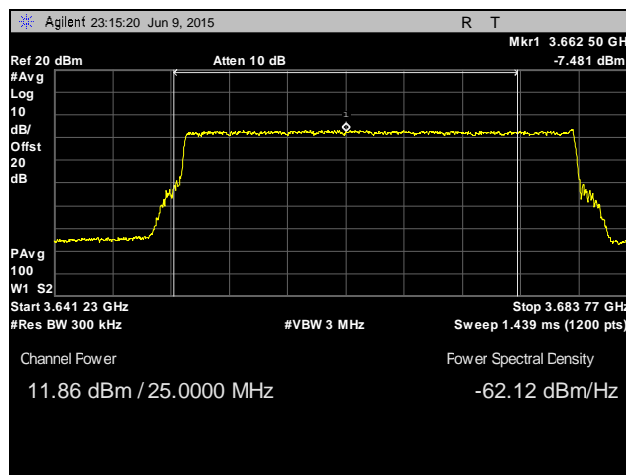
Plot 176. EIRP, High Channel, 28 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna



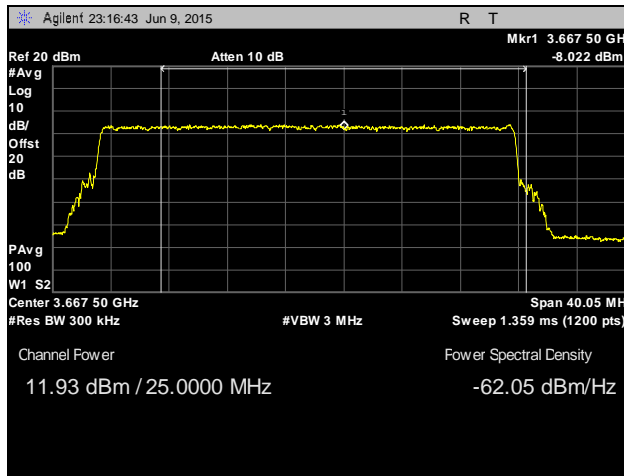
Plot 177. EIRP, Low Channel, 30 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna



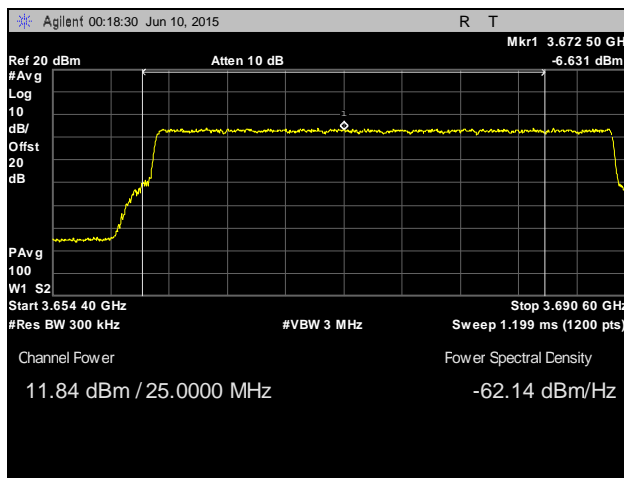
Plot 178. EIRP, Low Channel, 30 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



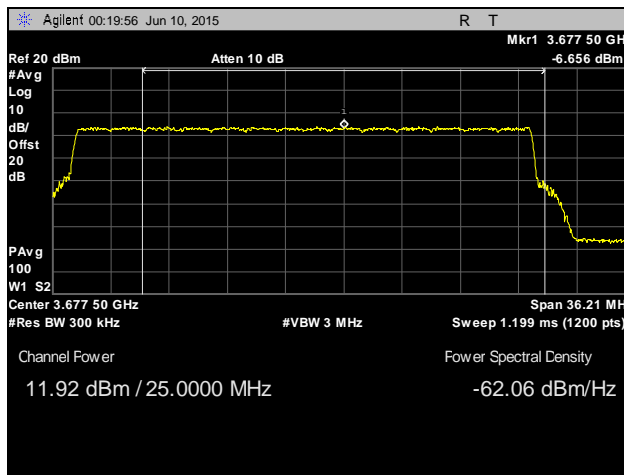
Plot 179. EIRP, Low Channel, 30 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



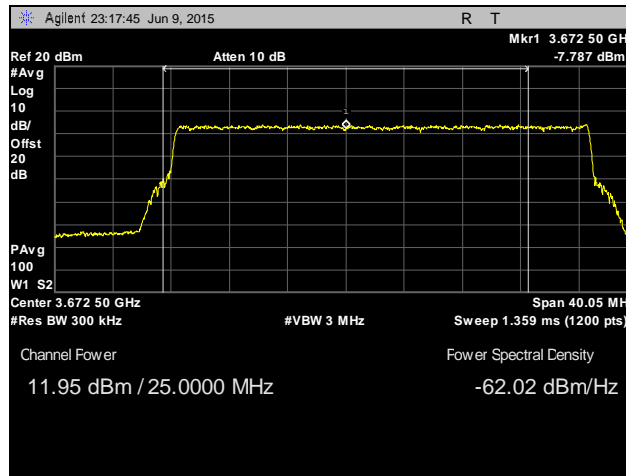
Plot 180. EIRP, Low Channel, 30 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna



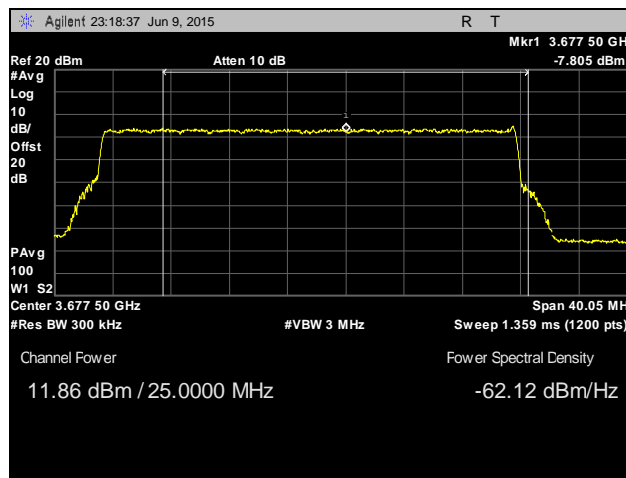
Plot 181. EIRP, Mid Channel, 30 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna



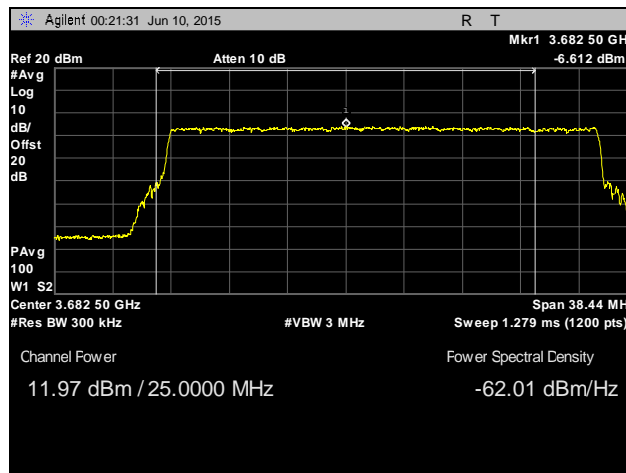
Plot 182. EIRP, Mid Channel, 30 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



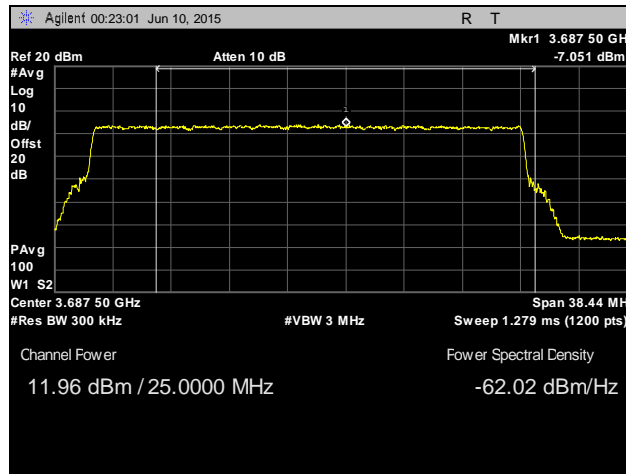
Plot 183. EIRP, Mid Channel, 30 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



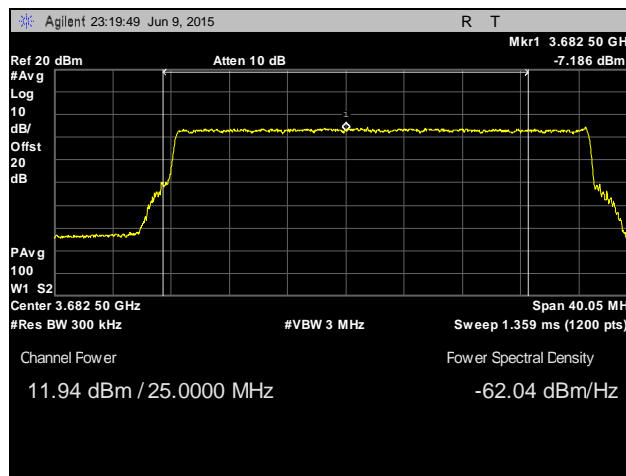
Plot 184. EIRP, Mid Channel, 30 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna



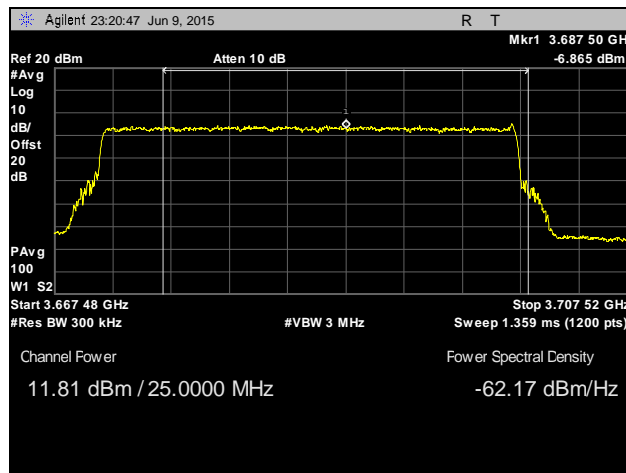
Plot 185. EIRP, High Channel, 30 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna



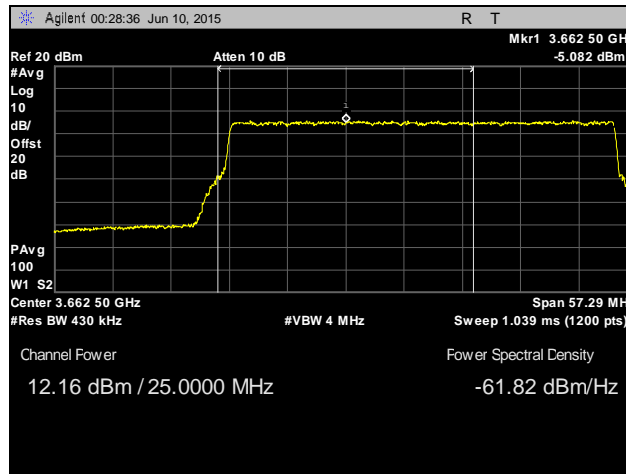
Plot 186. EIRP, High Channel, 30 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



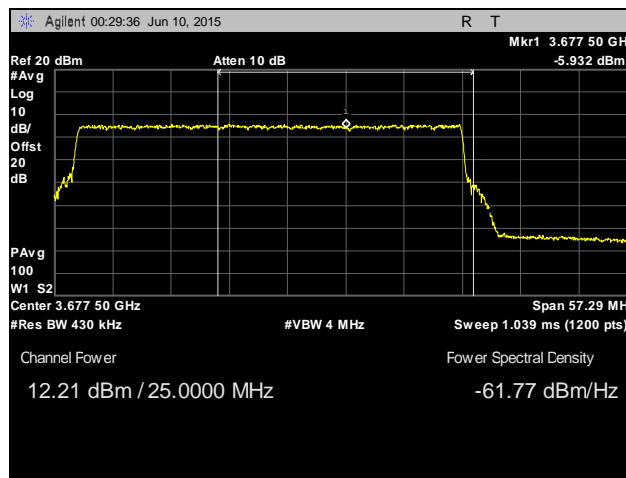
Plot 187. EIRP, High Channel, 30 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



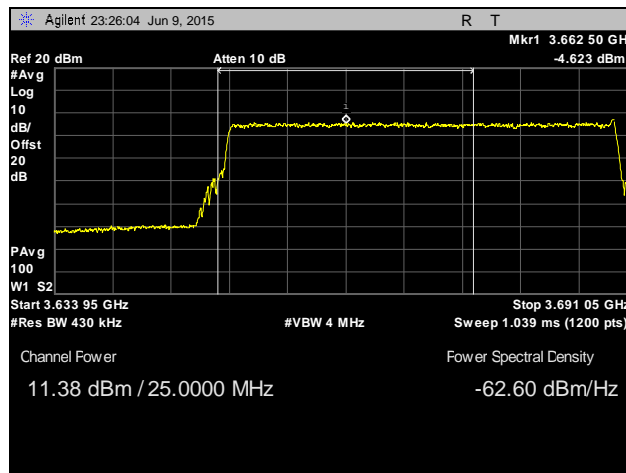
Plot 188. EIRP, High Channel, 30 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna



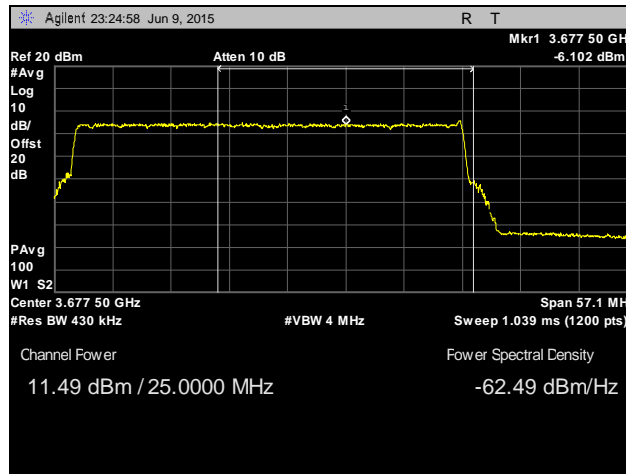
Plot 189. EIRP, Low Channel, 40 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna



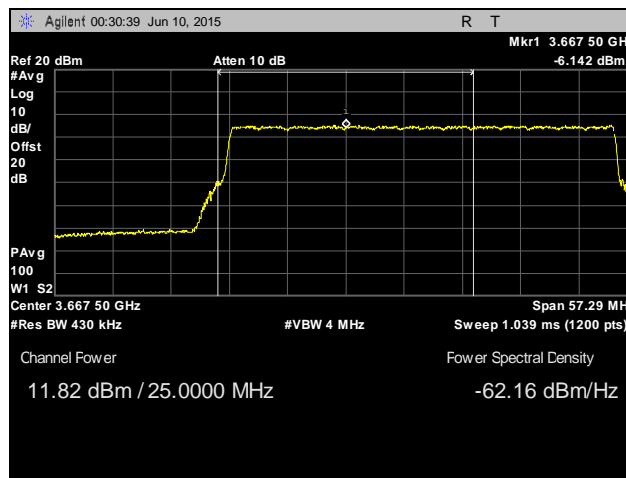
Plot 190. EIRP, Low Channel, 40 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



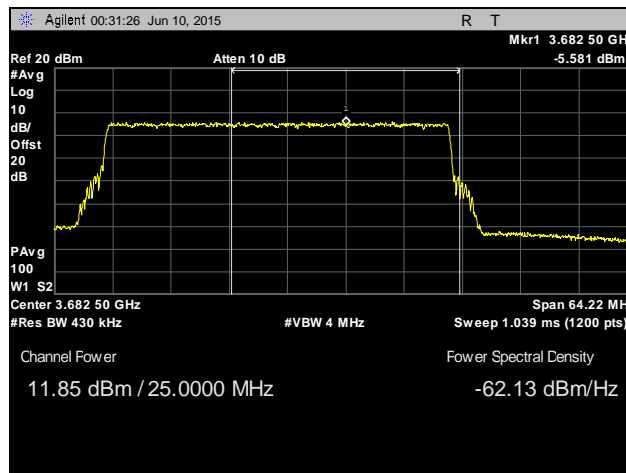
Plot 191. EIRP, Low Channel, 40 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



Plot 192. EIRP, Low Channel, 40 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna

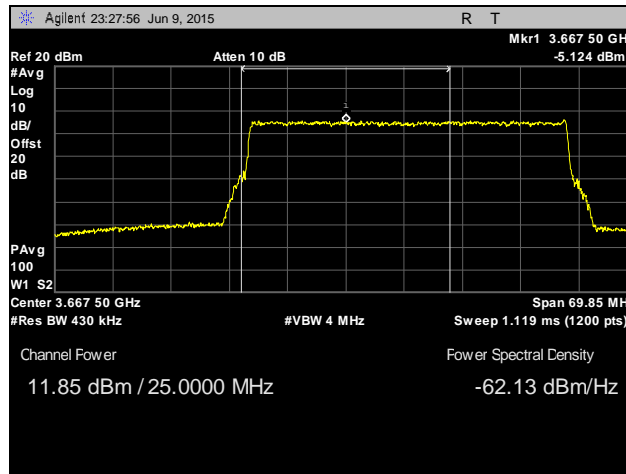


Plot 193. EIRP, Mid Channel, 40 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna

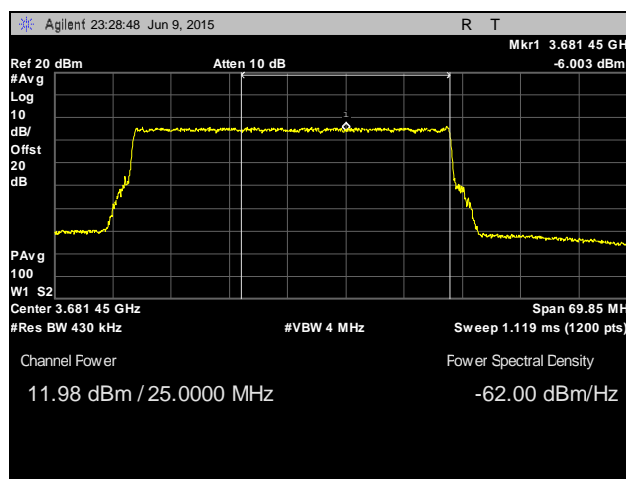


Plot 194. EIRP, Mid Channel, 40 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna

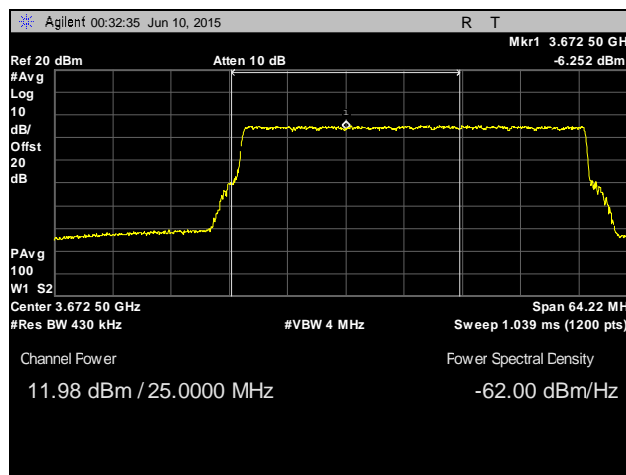




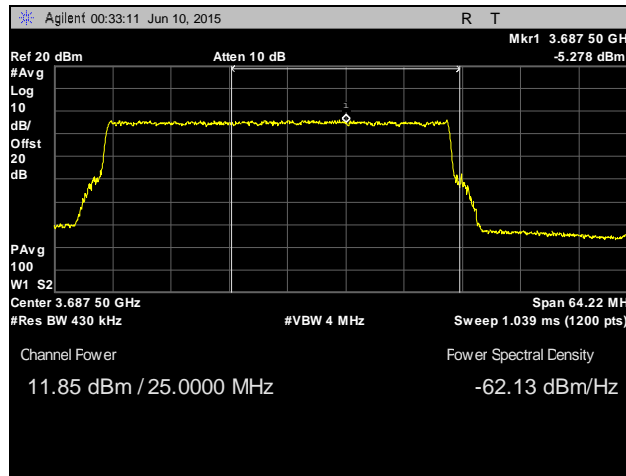
**Plot 195. EIRP, Mid Channel, 40 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna**



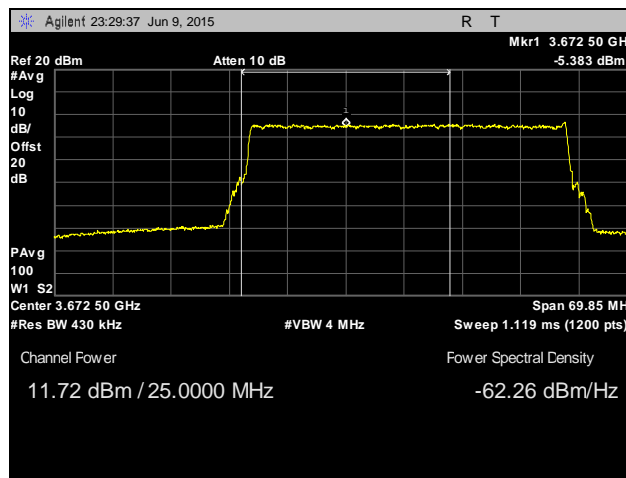
**Plot 196. EIRP, Mid Channel, 40 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna**



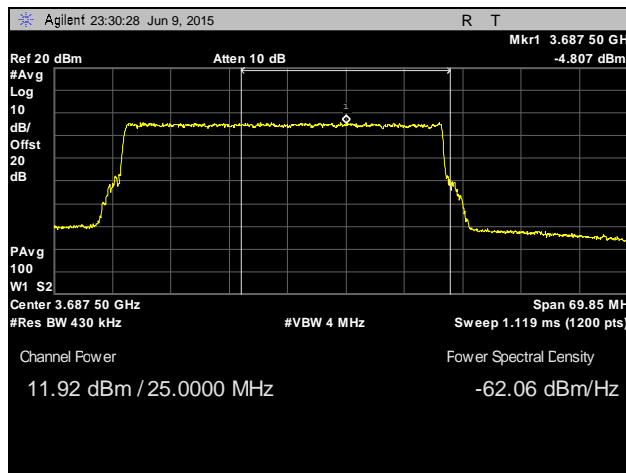
**Plot 197. EIRP, High Channel, 40 MHz, Chain 0, Lower 25 MHz, 29 dBi Antenna**



Plot 198. EIRP, High Channel, 40 MHz, Chain 0, Upper 25 MHz, 29 dBi Antenna



Plot 199. EIRP, High Channel, 40 MHz, Chain 1, Lower 25 MHz, 29 dBi Antenna



Plot 200. EIRP, High Channel, 40 MHz, Chain 1, Upper 25 MHz, 29 dBi Antenna

### 3.2. Peak Power Spectral Density

**Test Requirement(s):** §90.1321 (a) and §90.1321 (c)

**Test Procedures:** The EUT was connected to a Spectrum Analyzer through an attenuator. The Spectrum Analyzer was set to a RBW = 1 MHz and a VBW > 1MHz. A sample detector was selected on the spectrum analyzer along with power averaging. The Peak Power Spectral Density was determined by detecting the highest emission within the EUT's occupied bandwidth. Measurements were performed at the low, mid and high channels for each of the EUT's bandwidths and modulations.

**Limits:** For Base and Fixed stations the radiated Peak Power Spectral Density limit is 30dBm or 1000mW.  
For mobile and portable stations the radiated Peak Power Spectral Density limit is 16dBm or 40mW

**Test Results:** Equipment complies with 90.1321(a) for Base and Fixed Stations. The antenna gain limits provided assume a professional installation of the device to set the minimum channel bandwidth according to the installed antenna gain. If professional installation is not used, then the maximum gain of the device is 18 dBi.

**Test Engineer(s):** Djed Mouada

**Test Date(s):** 06/12/15

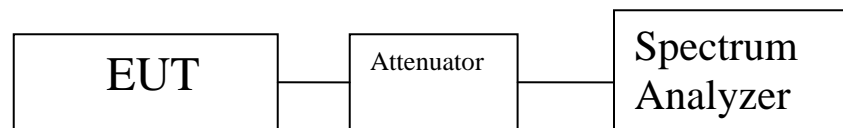


Figure 2. PPSD Test Setup

3.5MHz								
Frequency	Antenna 1 PSD	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit W	Margin
3.65175	15.452	13.287	17.513	12	29.513	0.8939228	1	-0.1060772
3.675	14.651	14.716	17.694	12	29.694	0.9319659	1	-0.0680341
3.69825	15.221	14.24	17.768	12	29.768	0.9479818	1	-0.0520182
5MHz								
Frequency	Antenna 1 PSD	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.6525	13.595	14.78	17.238	12	29.238	0.8390735	1	-0.1609265
3.675	14.211	13.475	16.869	12	28.869	0.770726	1	-0.229274
3.6975	14.241	12.844	16.609	12	28.609	0.7259388	1	-0.2740612
7 MHz								
Frequency	Antenna 1 PSD	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.6535	14.392	13.192	16.844	12	28.844	0.7663021	1	-0.2336979
3.675	14.437	13.85	17.164	12	29.164	0.8248975	1	-0.1751025
3.6965	14.353	12.105	16.383	12	28.383	0.6891282	1	-0.3108718
10 MHz								
Frequency	Antenna 1 PSD	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.655	13.63	12.773	16.233	12	28.233	0.6657329	1	-0.3342671
3.675	13.006	12.5	15.771	12	27.771	0.5985494	1	-0.4014506
3.695	13.561	12.364	16.014	12	28.014	0.6329946	1	-0.3670054
14 MHz								
Frequency	Antenna 1 Power	Antenna 2 Power	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.657	13.15	12.44	15.82	12	27.82	0.6053409	1	-0.3946591
3.675	11.488	10.661	14.104	12	26.104	0.4077557	1	-0.5922443
3.693	12.591	10.879	14.829	12	26.829	0.4818368	1	-0.5181632
20 MHz								
Frequency	Antenna 1 Power	Antenna 2 Power	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.66	11.917	11.24	14.602	12	26.602	0.4572987	1	-0.5427013
3.675	9.246	11.465	13.506	12	25.506	0.3553039	1	-0.6446961
3.69	12.195	9.63	14.109	12	26.109	0.4082254	1	-0.5917746
28 MHz								
Frequency	Antenna 1 Power	Antenna 2 Power	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.664	10.169	9.257	12.747	12	24.747	0.2983321	1	-0.7016679
3.675	9.432	8.365	11.941	12	23.941	0.2477993	1	-0.7522007
3.686	9.509	8.94	12.244	12	24.244	0.2657052	1	-0.7342948
30 MHz								
Frequency		Antenna 2 Power	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.665	9.703	9.431	12.579	12	24.579	0.287012	1	-0.712988
3.675	8.808	8.41	11.624	12	23.624	0.2303563	1	-0.7696437
3.685	8.692	9.367	12.053	12	24.053	0.2542729	1	-0.7457271
40 MHz								
Frequency	Antenna 1 Power	Antenna 2 Power	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.67	8.276	8.099	11.199	12	23.199	0.2088815	1	-0.7911185
3.675	8.321	7.904	11.128	12	23.128	0.2054944	1	-0.7945056
3.68	9.28	8.643	11.983	12	23.983	0.2502073	1	-0.7497927

Table 7. Peak Power Spectral Density, Test Results, 12 dBi Antenna

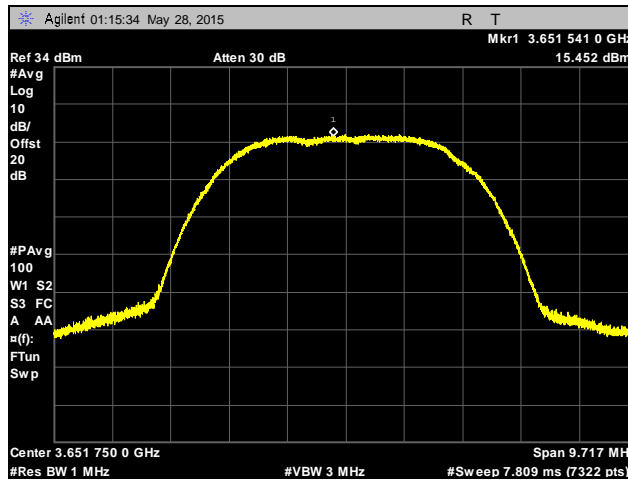
3.5 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.65175	0.988	0.822	3.916	26	29.916	0.9808441	1	-0.0191559
3.675	0.578	0.91	3.757	26	29.757	0.9455837	1	-0.0544163
3.69825	0.683	0.85	3.778	26	29.778	0.9501671	1	-0.0498329
5 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.6525	0.898	0.725	3.823	26	29.823	0.9600636	1	-0.0399364
3.675	0.951	0.49	3.737	26	29.737	0.9412392	1	-0.0587608
3.6975	0.251	0.506	3.391	26	29.391	0.8691605	1	-0.1308395
7 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.6535	0.344	0.952	3.669	26	29.669	0.9266164	1	-0.0733836
3.675	0.43	0.725	3.59	26	29.59	0.9099133	1	-0.0900867
3.6965	0.541	0.551	3.556	26	29.556	0.9028176	1	-0.0971824
10 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.655	0.967	0.488	3.744	26	29.744	0.9427575	1	-0.0572425
3.675	0.579	0.86	3.732	26	29.732	0.9401562	1	-0.0598438
3.695	0.529	0.711	3.631	26	29.631	0.9185441	1	-0.0814559
14 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.657	0.904	0.936	3.93	26	29.93	0.9840111	1	-0.0159889
3.675	0.89	0.854	3.882	26	29.882	0.9731953	1	-0.0268047
3.693	0.745	0.869	3.818	26	29.818	0.9589589	1	-0.0410411
20 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.66	0.541	0.141	3.356	26	29.356	0.8621841	1	-0.1378159
3.675	0.515	0.518	3.527	26	29.527	0.8968091	1	-0.1031909
3.69	0.831	0.888	3.87	26	29.87	0.97051	1	-0.02949
28 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.664	0.325	0.336	3.341	26	29.341	0.8592113	1	-0.1407887
3.675	0.136	0.349	3.254	26	29.254	0.8421705	1	-0.1578295
3.686	0.402	0.475	3.449	26	29.449	0.880846	1	-0.119154
30 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.665	0.487	0.463	3.485	26	29.485	0.888178	1	-0.111822
3.675	0.277	0.373	3.336	26	29.336	0.8582227	1	-0.1417773
3.685	0.203	0.376	3.301	26	29.301	0.851334	1	-0.148666
40 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.67	0.376	0.344	3.37	26	29.37	0.8649679	1	-0.1350321
3.675	0.324	0.382	3.363	26	29.363	0.8635749	1	-0.1364251
3.68	0.094	0.273	3.195	26	29.195	0.8308067	1	-0.1691933

**Table 8. Peak Power Spectral Density, Test Results, 26 dBi Antenna**

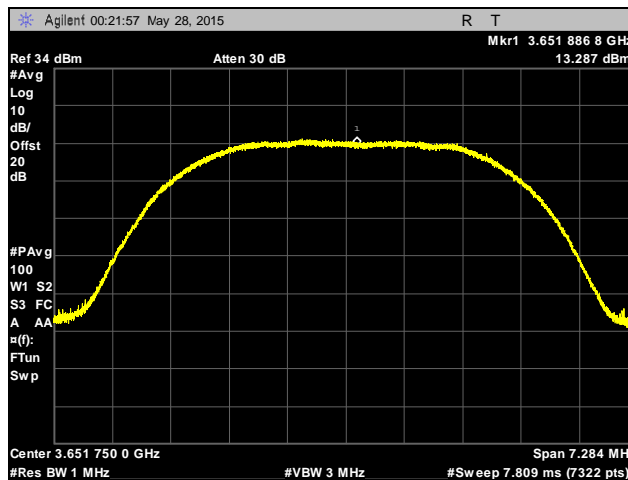
3.5 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.65175	-2.459	-2.707	0.429	29	29.429	0.8767989	1	-0.1232011
3.675	-2.322	-2.689	0.509	29	29.509	0.8930998	1	-0.1069002
3.69825	-2.402	-2.667	0.478	29	29.478	0.8867476	1	-0.1132524
5 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.6525	-2.768	-2.801	0.226	29	29.226	0.8367582	1	-0.1632418
3.675	-2.446	-2.931	0.329	29	29.329	0.8568405	1	-0.1431595
3.6975	-2.712	-2.488	0.412	29	29.412	0.8733735	1	-0.1266265
7 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.6535	-2.874	-3.777	-0.292	29	28.708	0.742677	1	-0.257323
3.675	-2.584	-2.877	0.282	29	29.282	0.8476177	1	-0.1523823
3.6965	-2.754	-2.854	0.207	29	29.207	0.8331055	1	-0.1668945
10 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.655	-3.848	-3.591	-0.707	29	28.293	0.6749941	1	-0.3250059
3.675	-3.49	-3.634	-0.551	29	28.449	0.6996809	1	-0.3003191
3.695	-2.868	-2.306	0.432	29	29.432	0.8774048	1	-0.1225952
14 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.657	-2.975	-2.911	0.067	29	29.067	0.8066776	1	-0.1933224
3.675	-2.808	-2.653	0.28	29	29.28	0.8472274	1	-0.1527726
3.693	-2.767	-2.936	0.16	29	29.16	0.8241381	1	-0.1758619
20 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.66	-3.506	-2.417	0.083	29	29.083	0.809655	1	-0.190345
3.675	-2.866	-3.251	-0.044	29	28.956	0.7863212	1	-0.2136788
3.69	-2.67	-2.023	0.676	29	29.676	0.9281112	1	-0.0718888
28 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.664	-1.553	-2.891	0.84	29	29.84	0.963829	1	-0.036171
3.675	-1.57	-2.97	0.796	29	29.796	0.9541134	1	-0.0458866
3.686	-1.95	-2.084	0.994	29	29.994	0.9986194	1	-0.0013806
30 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.665	-3.174	-2.232	0.333	29	29.333	0.8576301	1	-0.1423699
3.675	-1.75	-2.57	0.87	29	29.87	0.97051	1	-0.02949
3.685	-1.411	-3.306	0.754	29	29.754	0.9449308	1	-0.0550692
40 MHz								
Frequency	Antenna 1 PSD(dBm)	Antenna 2 PSD(dBm)	Sum(dBm)	Antenna gain(dBi)	EIRP(dBm)	EIRP /w	Limit (W)	Margin
3.67	-2.165	-2.341	0.758	29	29.758	0.9458015	1	-0.0541985
3.675	-2.103	-2.226	0.846	29	29.846	0.9651615	1	-0.0348385
3.68	-1.442	-2.719	0.977	29	29.977	0.9947181	1	-0.0052819

Table 9. Peak Power Spectral Density, Test Results, 29dBi Antenna

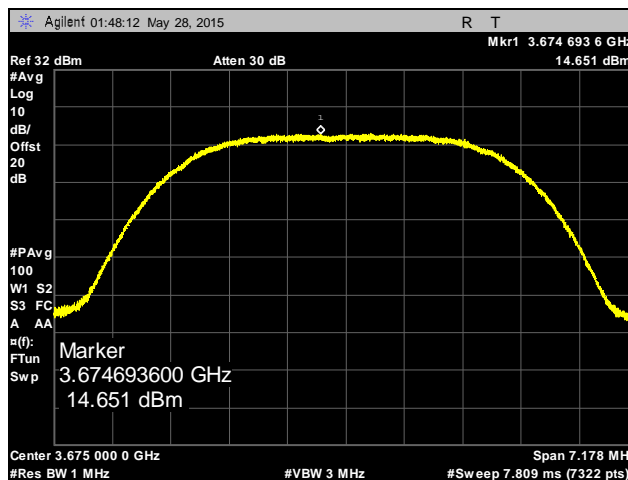
### Peak Power Spectral Density, 12 dBi Antenna



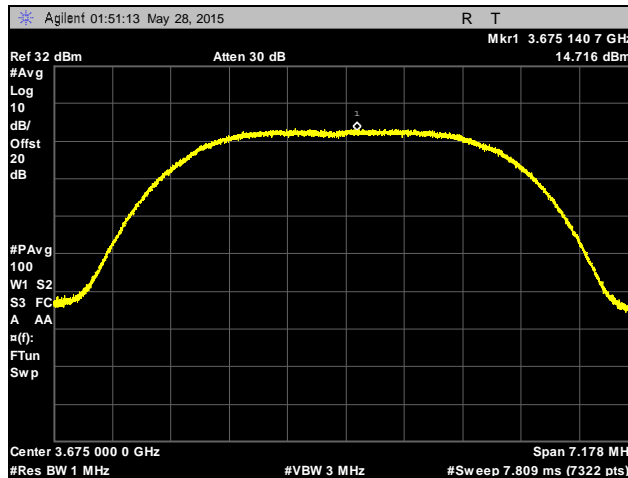
Plot 201. PSD, Low Channel, 3.5 MHz, Chain 0, 12 dBi Antenna



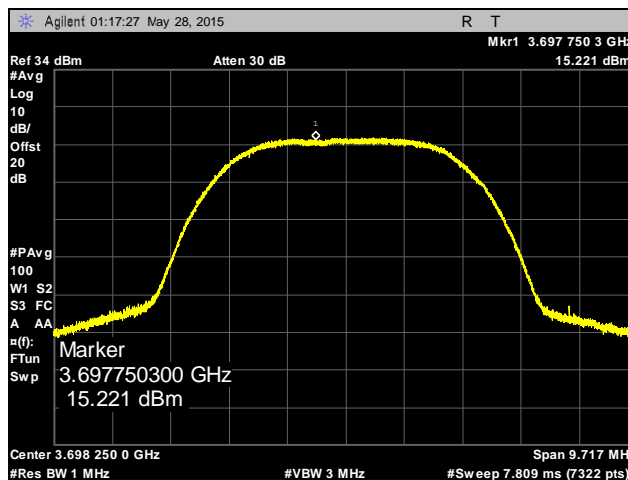
Plot 202. PSD, Low Channel, 3.5 MHz, Chain 1, 12 dBi Antenna



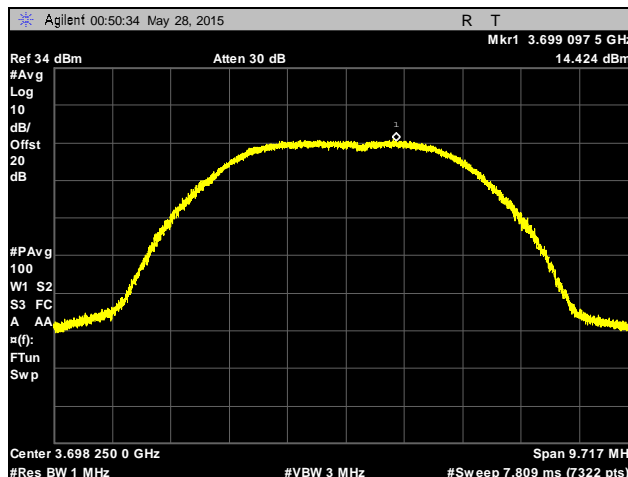
Plot 203. PSD, Mid Channel, 3.5 MHz, Chain 0, 12 dBi Antenna



Plot 204. PSD, Mid Channel, 3.5 MHz, Chain 1, 12 dBi Antenna

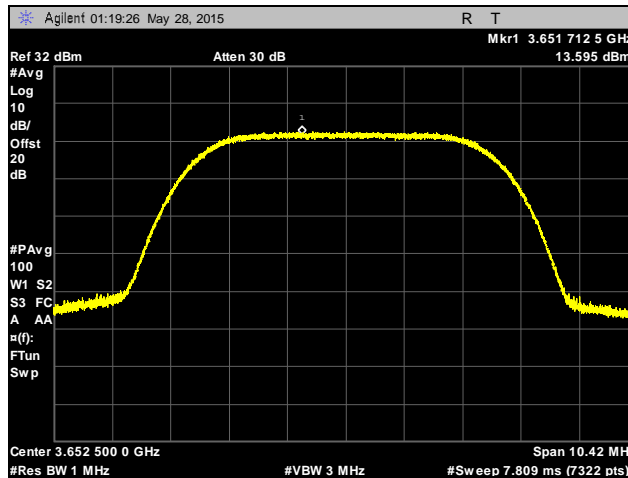


Plot 205. PSD, High Channel, 3.5 MHz, Chain 0, 12 dBi Antenna

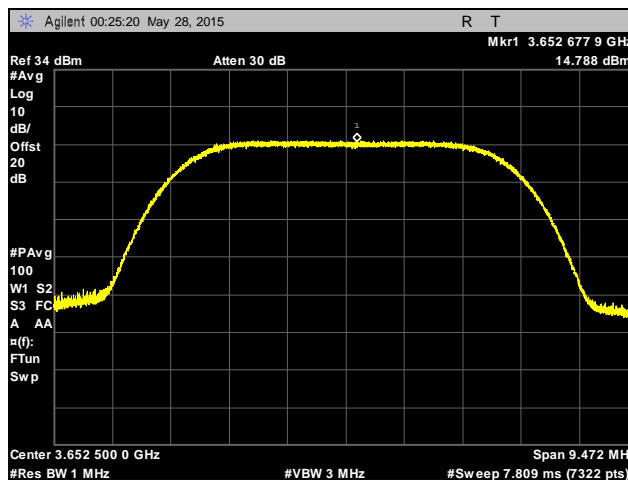


Plot 206. PSD, High Channel, 3.5 MHz, Chain 1, 12 dBi Antenna

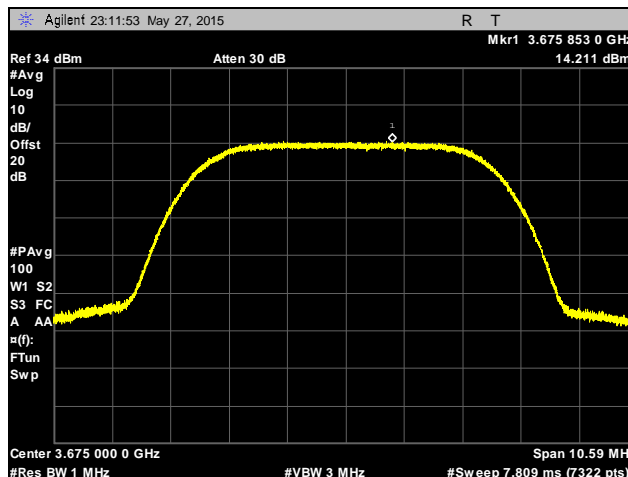




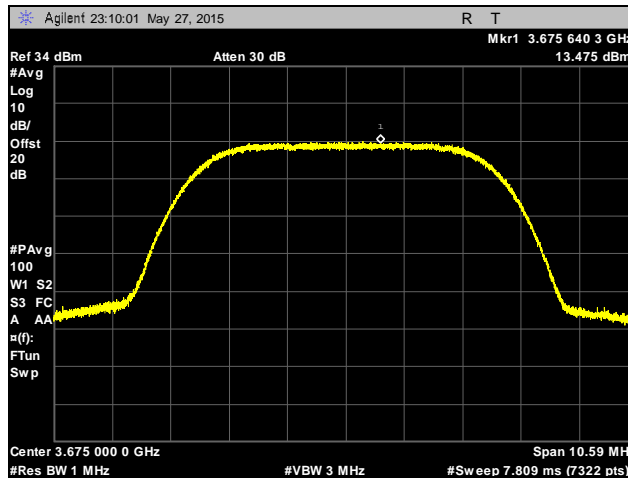
Plot 207. PSD, Low Channel, 5 MHz, Chain 0, 12 dBi Antenna



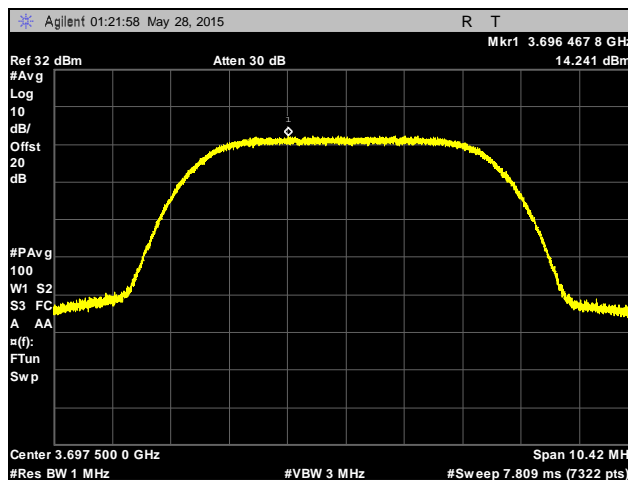
Plot 208. PSD, Low Channel, 5 MHz, Chain 1, 12 dBi Antenna



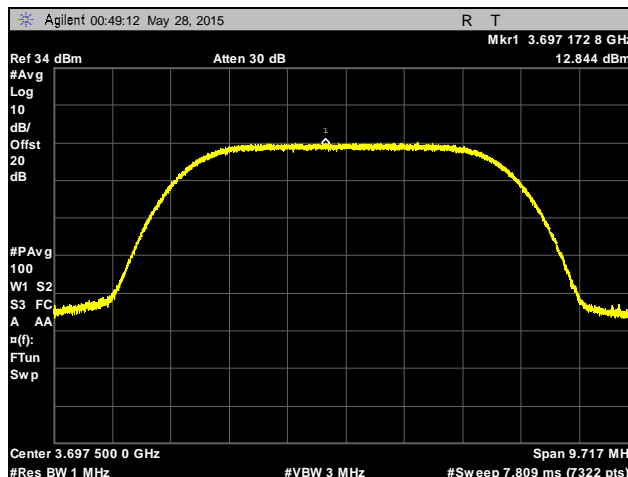
Plot 209. PSD, Mid Channel, 5 MHz, Chain 0, 12 dBi Antenna



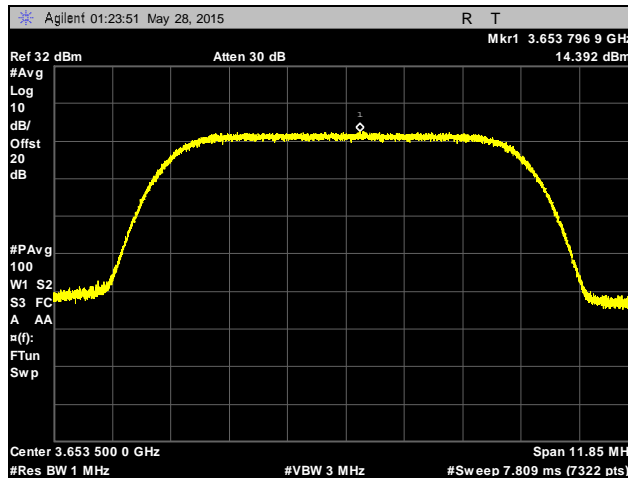
Plot 210. PSD, Mid Channel, 5 MHz, Chain 1, 12 dBi Antenna



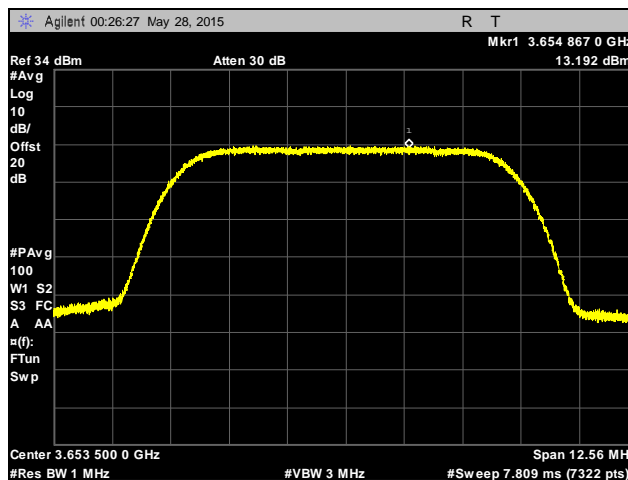
Plot 211. PSD, High Channel, 5 MHz, Chain 0, 12 dBi Antenna



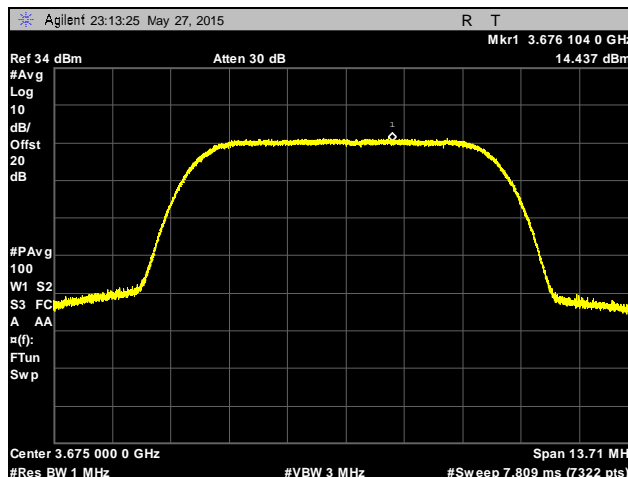
Plot 212. PSD, High Channel, 5 MHz, Chain 1, 12 dBi Antenna



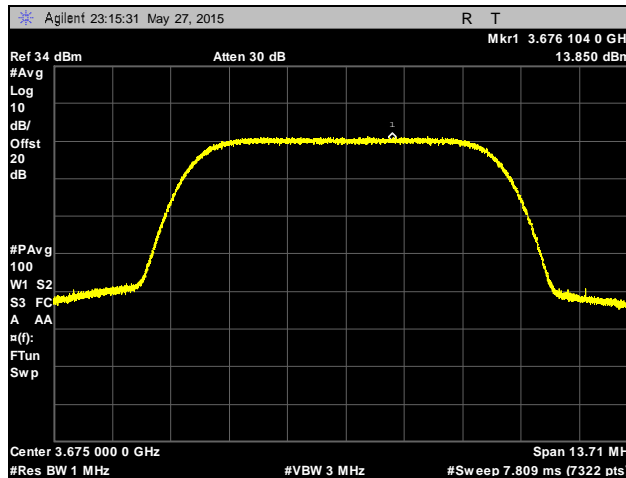
Plot 213. PSD, Low Channel, 7 MHz, Chain 0, 12 dBi Antenna



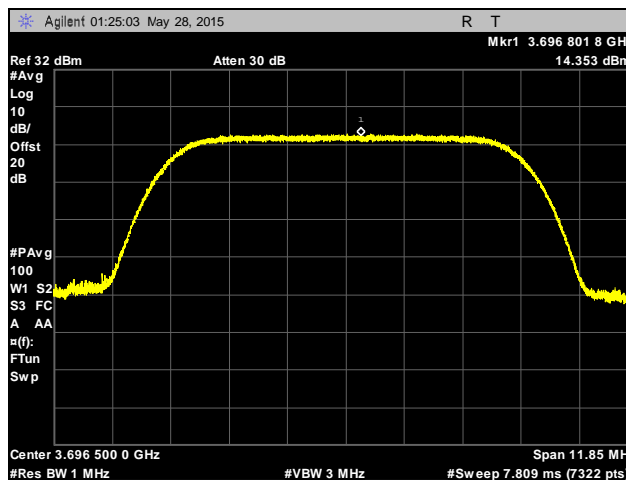
Plot 214. PSD, Low Channel, 7 MHz, Chain 1, 12 dBi Antenna



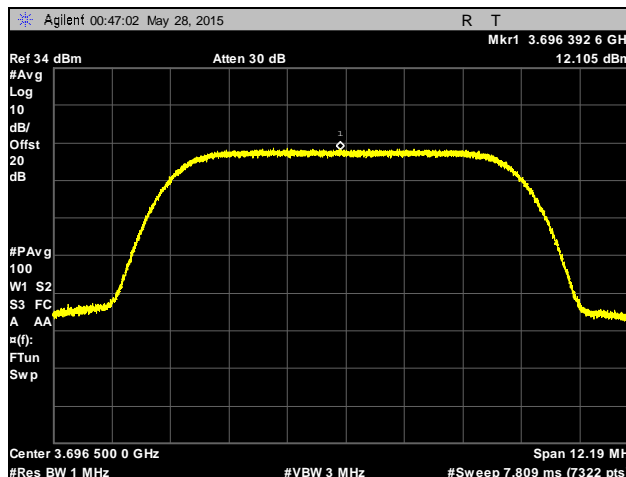
Plot 215. PSD, Mid Channel, 7 MHz, Chain 0, 12 dBi Antenna



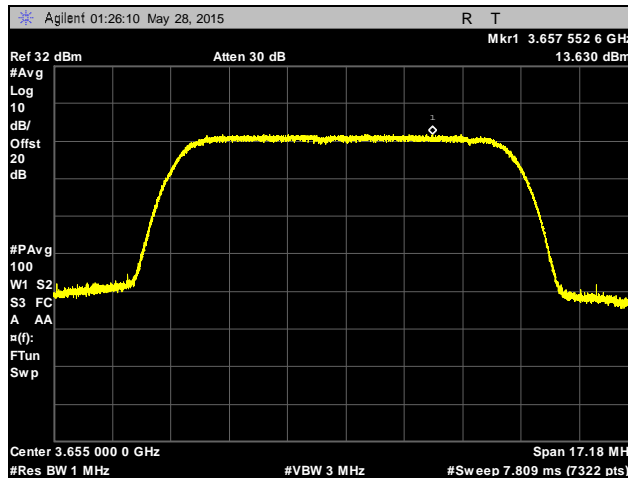
Plot 216. PSD, Mid Channel, 7 MHz, Chain 1, 12 dBi Antenna



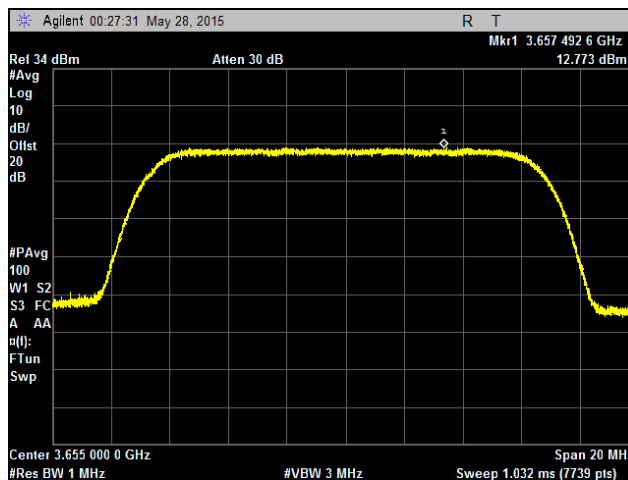
Plot 217. PSD, High Channel, 7 MHz, Chain 0, 12 dBi Antenna



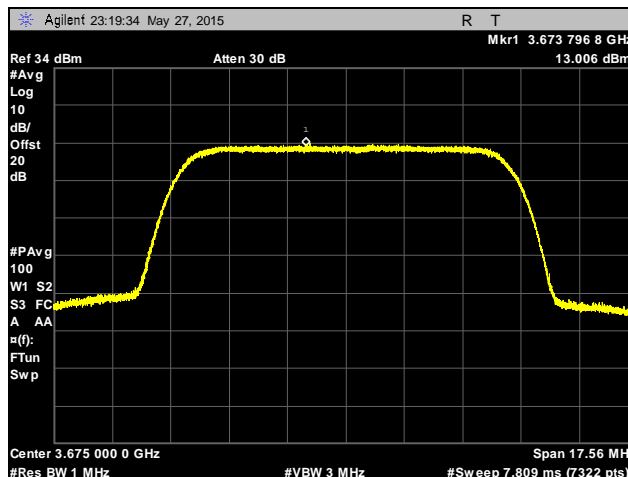
Plot 218. PSD, High Channel, 7 MHz, Chain 1, 12 dBi Antenna



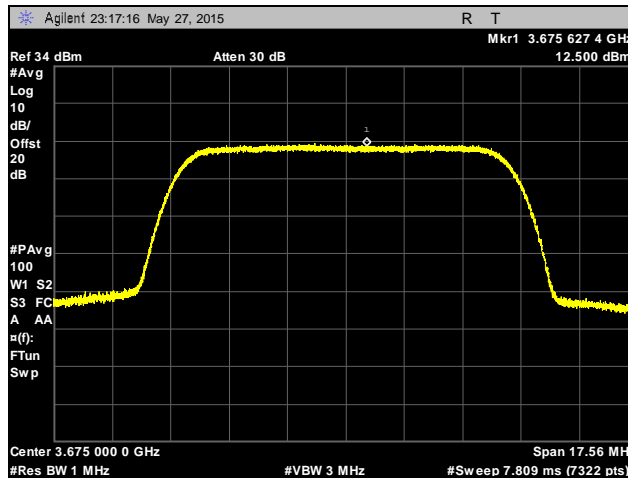
Plot 219. PSD, Low Channel, 10 MHz, Chain 0, 12 dBi Antenna



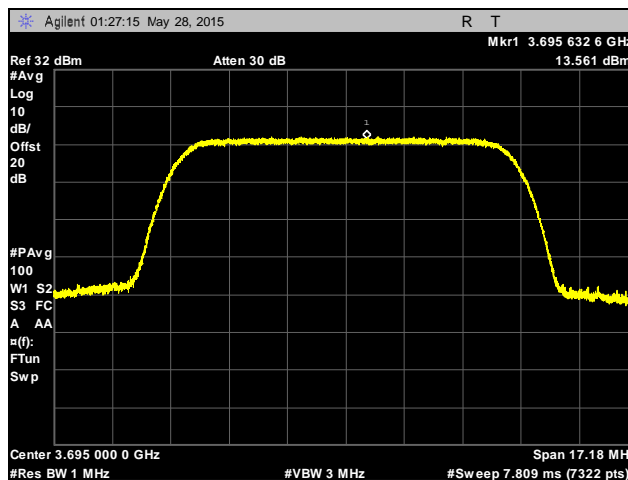
Plot 220. PSD, Low Channel, 10 MHz, Chain 1, 12 dBi Antenna



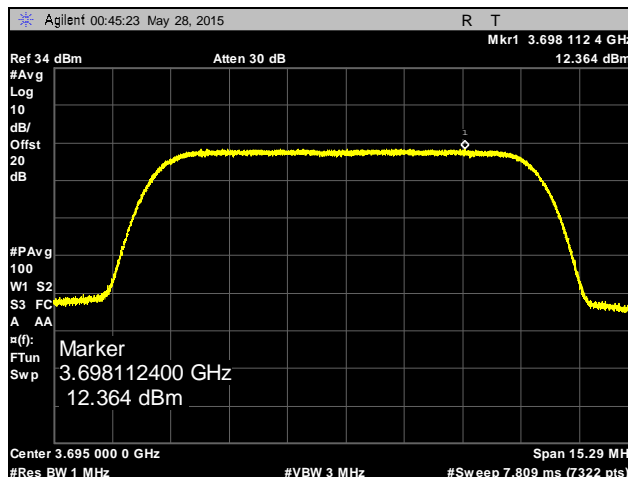
Plot 221. PSD, Mid Channel, 10 MHz, Chain 0, 12 dBi Antenna



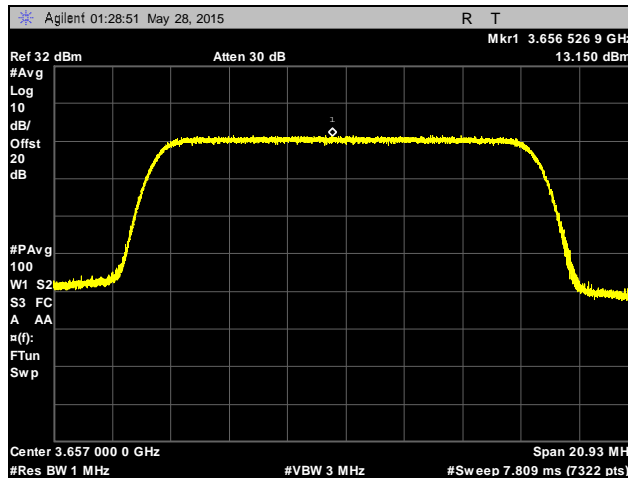
Plot 222. PSD, Mid Channel, 10 MHz, Chain 1, 12 dBi Antenna



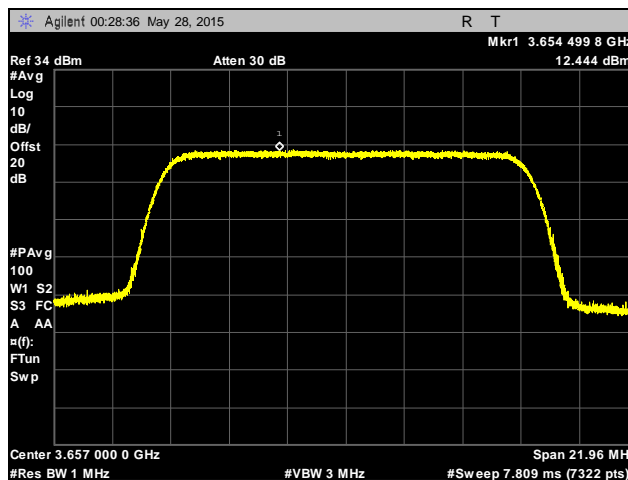
Plot 223. PSD, High Channel, 10 MHz, Chain 0, 12 dBi Antenna



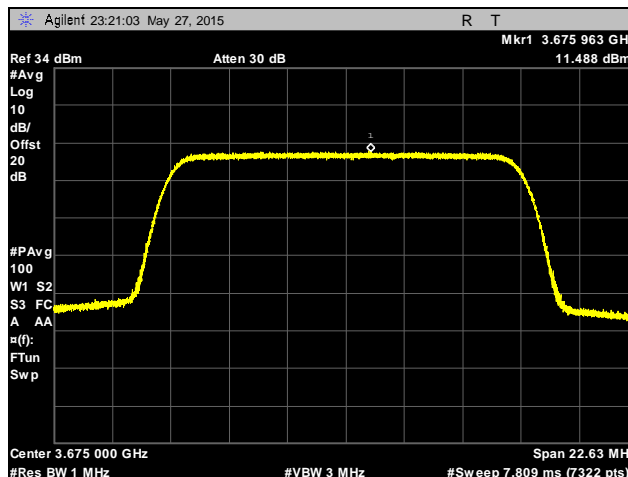
Plot 224. PSD, High Channel, 10 MHz, Chain 1, 12 dBi Antenna



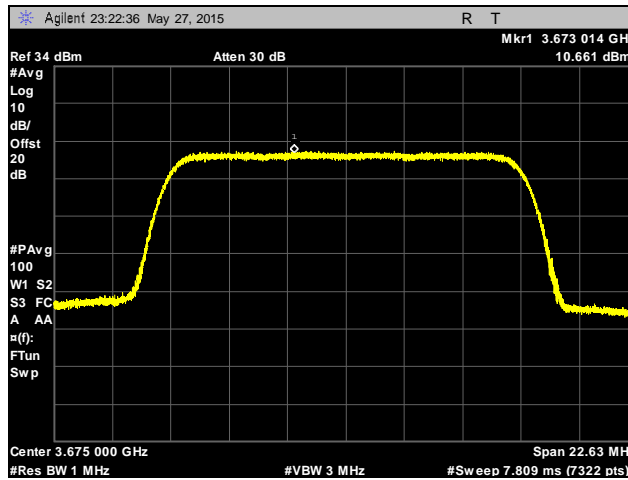
Plot 225. PSD, Low Channel, 14 MHz, Chain 0, 12 dBi Antenna



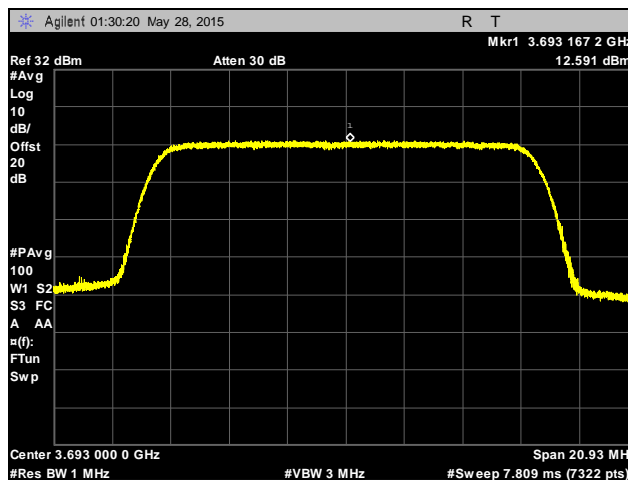
Plot 226. PSD, Low Channel, 14 MHz, Chain 1, 12 dBi Antenna



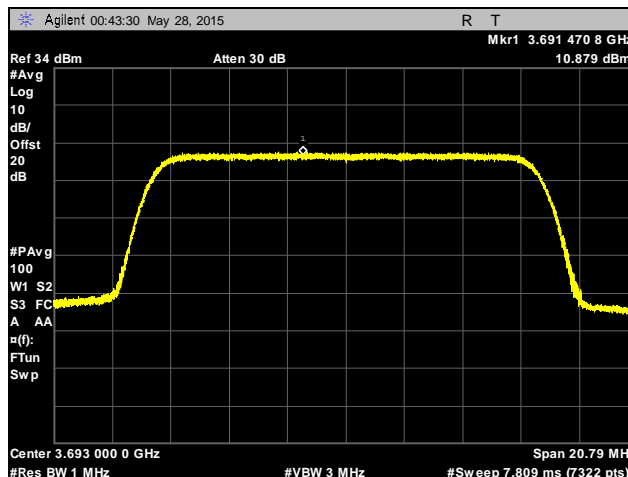
Plot 227. PSD, Mid Channel, 14 MHz, Chain 0, 12 dBi Antenna



Plot 228. PSD, Mid Channel, 14 MHz, Chain 1, 12 dBi Antenna

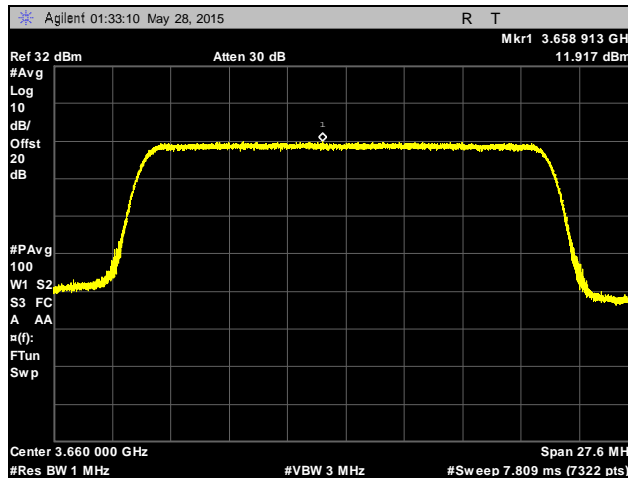


Plot 229. PSD, High Channel, 14 MHz, Chain 0, 12 dBi Antenna

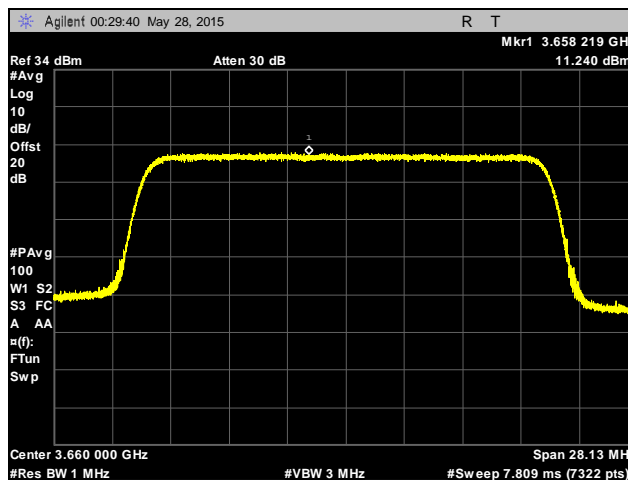


Plot 230. PSD, High Channel, 14 MHz, Chain 1, 12 dBi Antenna

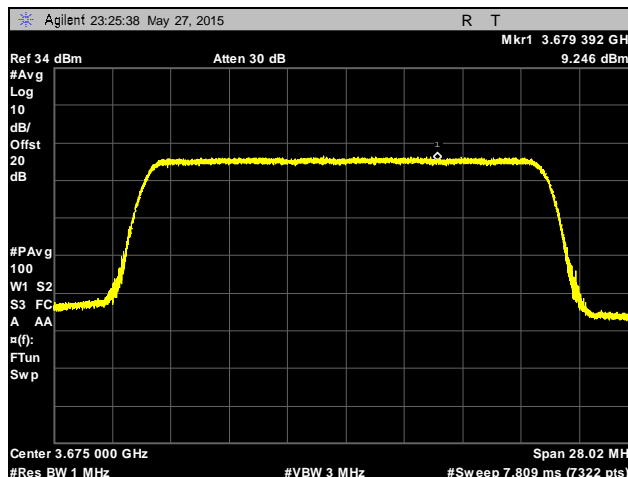




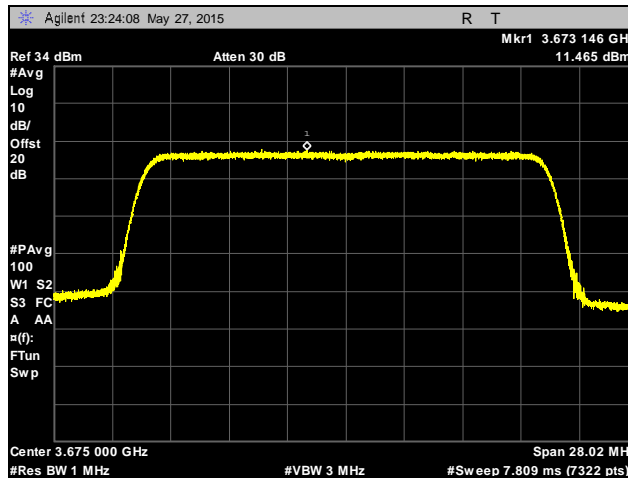
Plot 231. PSD, Low Channel, 20 MHz, Chain 0, 12 dBi Antenna



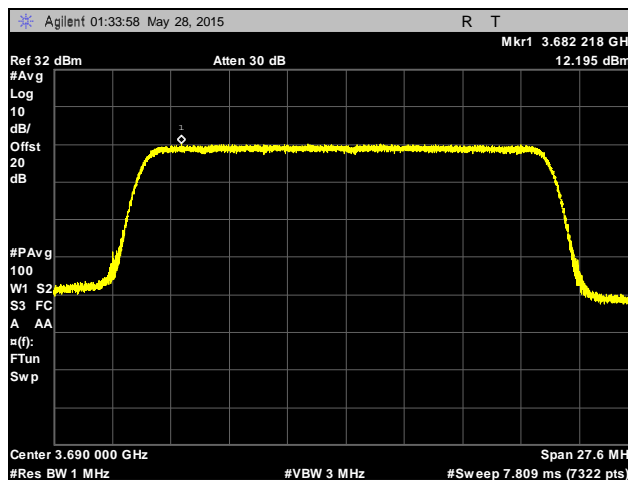
Plot 232. PSD, Low Channel, 20 MHz, Chain 1, 12 dBi Antenna



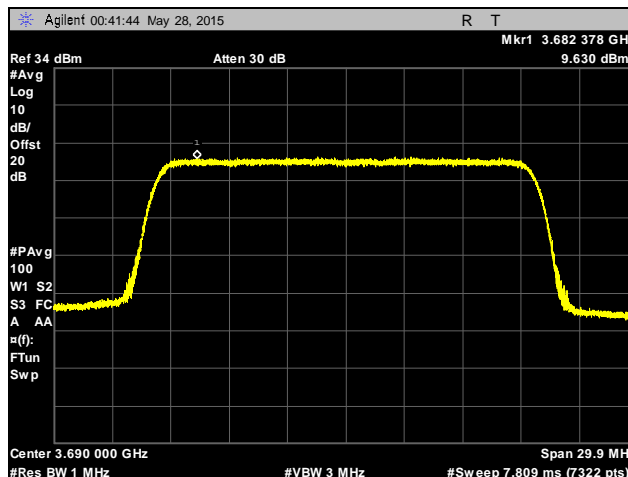
Plot 233. PSD, Mid Channel, 20 MHz, Chain 0, 12 dBi Antenna



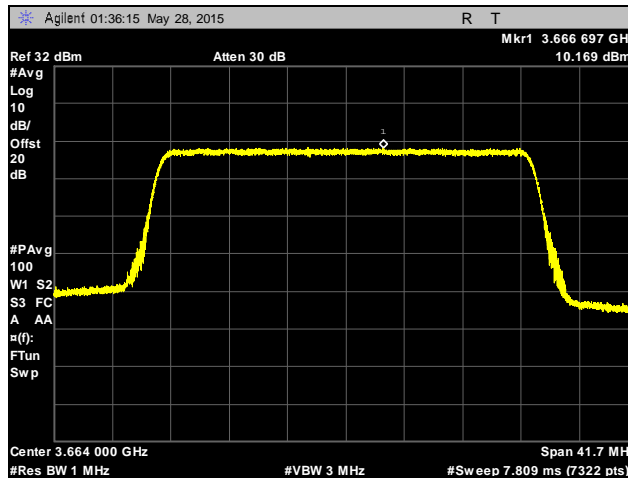
Plot 234. PSD, Mid Channel, 20 MHz, Chain 1, 12 dBi Antenna



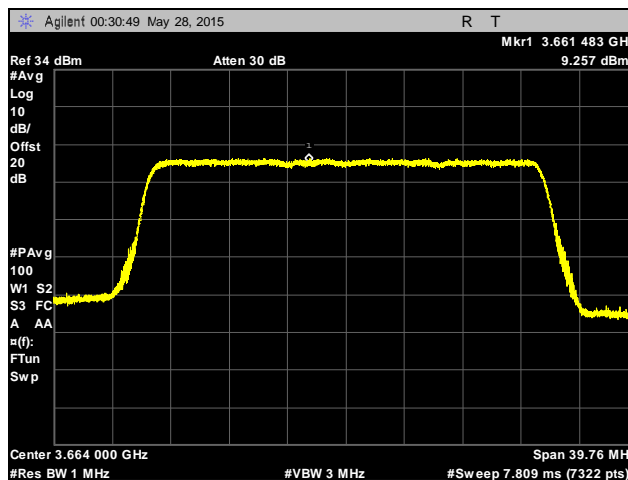
Plot 235. PSD, High Channel, 20 MHz, Chain 0, 12 dBi Antenna



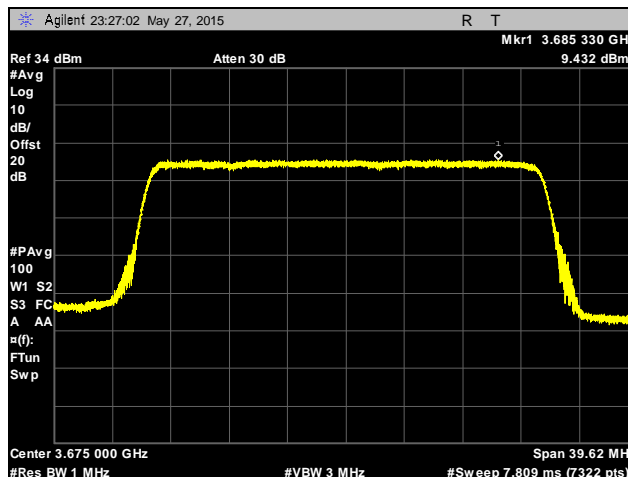
Plot 236. PSD, High Channel, 20 MHz, Chain 1, 12 dBi Antenna



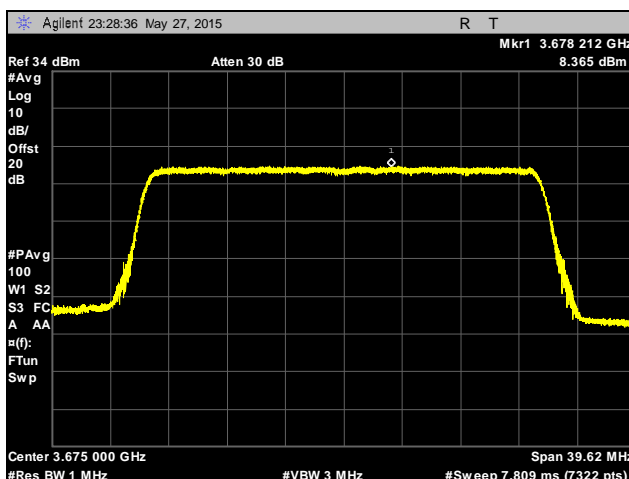
Plot 237. PSD, Low Channel, 28 MHz, Chain 0, 12 dBi Antenna



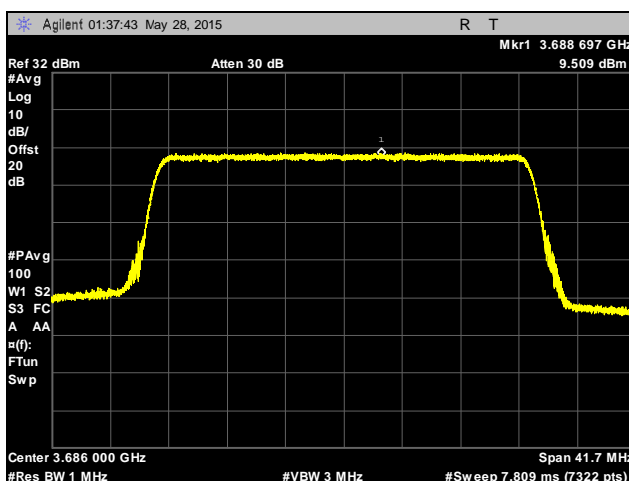
Plot 238. PSD, Low Channel, 28 MHz, Chain 1, 12 dBi Antenna



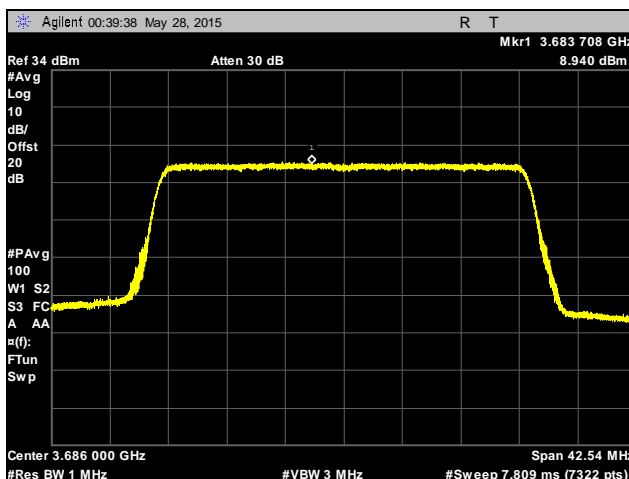
Plot 239. PSD, Mid Channel, 28 MHz, Chain 0, 12 dBi Antenna



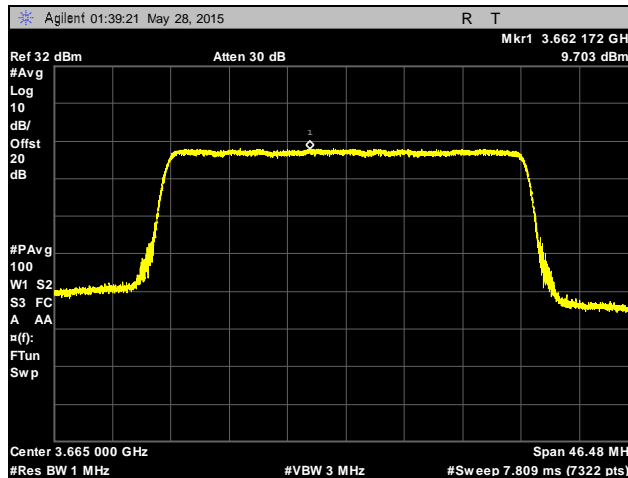
Plot 240. PSD, Mid Channel, 28 MHz, Chain 1, 12 dBi Antenna



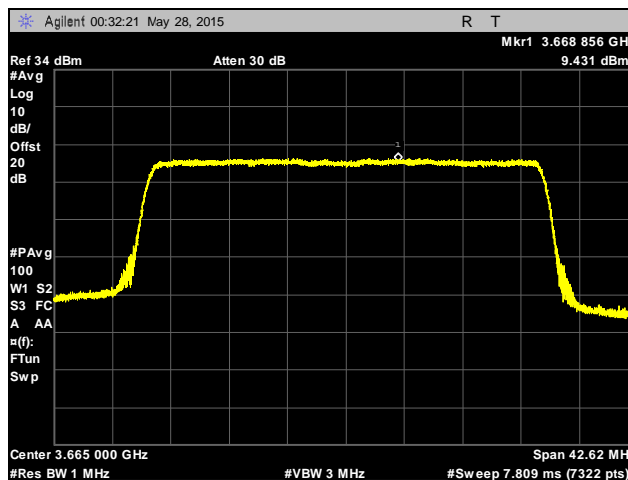
Plot 241. PSD, High Channel, 28 MHz, Chain 0, 12 dBi Antenna



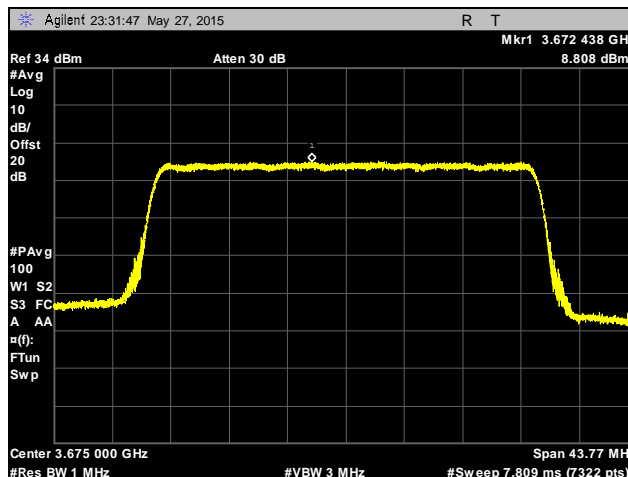
Plot 242. PSD, High Channel, 28 MHz, Chain 1, 12 dBi Antenna



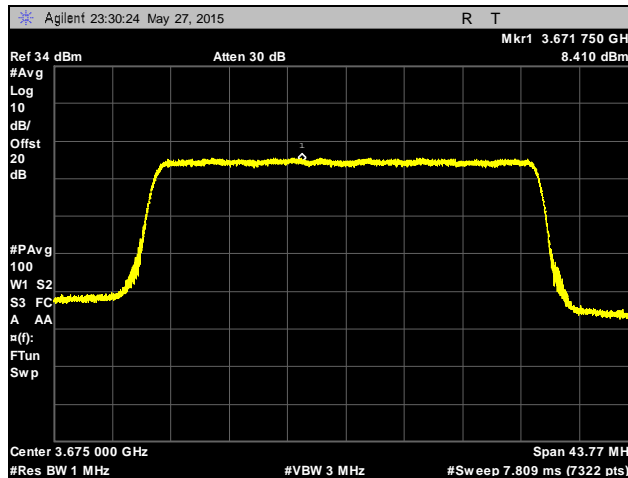
Plot 243. PSD, Low Channel, 30 MHz, Chain 0, 12 dBi Antenna



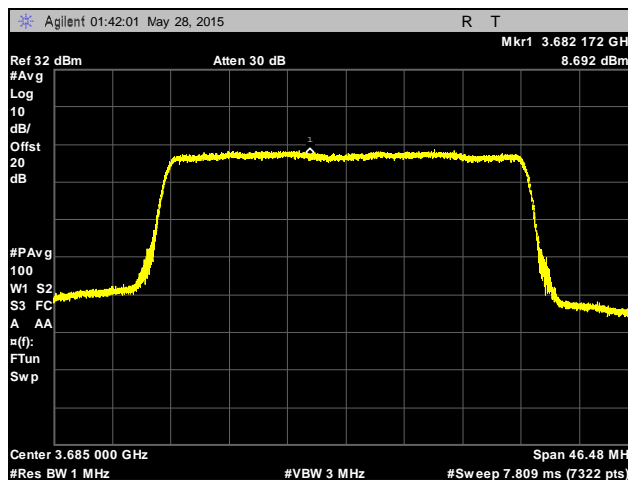
Plot 244. PSD, Low Channel, 30 MHz, Chain 1, 12 dBi Antenna



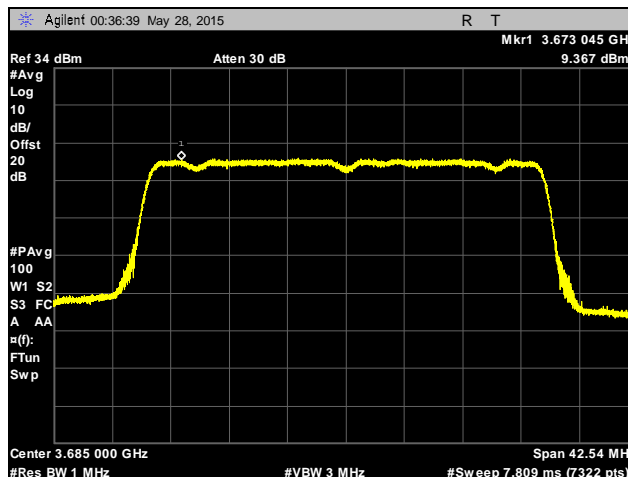
Plot 245. PSD, Mid Channel, 30 MHz, Chain 0, 12 dBi Antenna



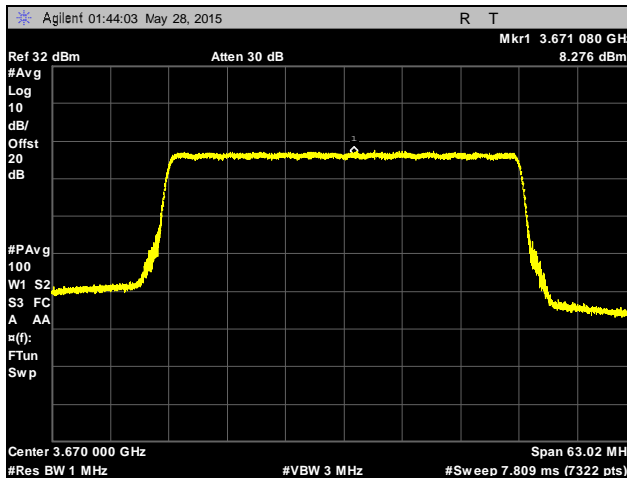
Plot 246. PSD, Mid Channel, 30 MHz, Chain 1, 12 dBi Antenna



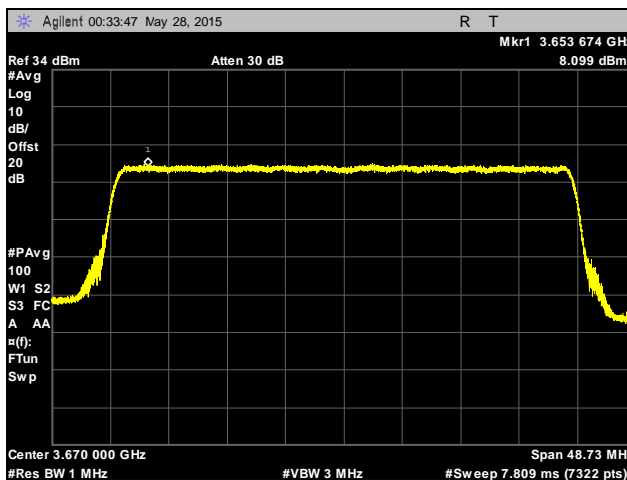
Plot 247. PSD, High Channel, 30 MHz, Chain 0, 12 dBi Antenna



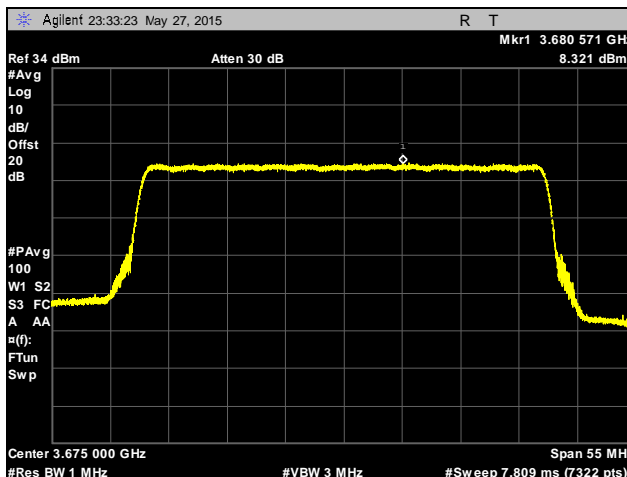
Plot 248. PSD, High Channel, 30 MHz, Chain 1, 12 dBi Antenna



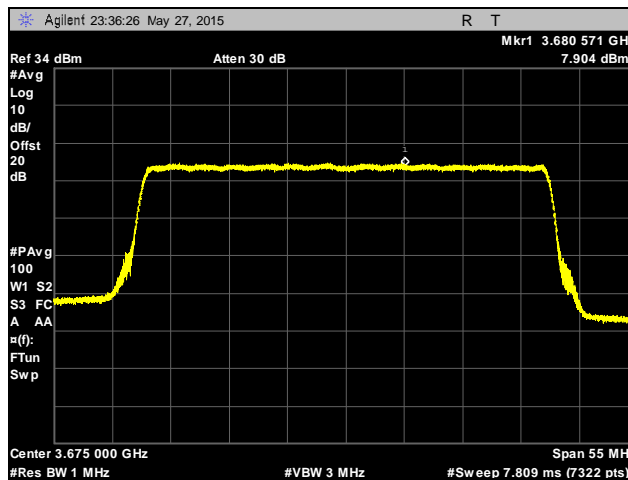
Plot 249. PSD, Low Channel, 40 MHz, Chain 0, 12 dBi Antenna



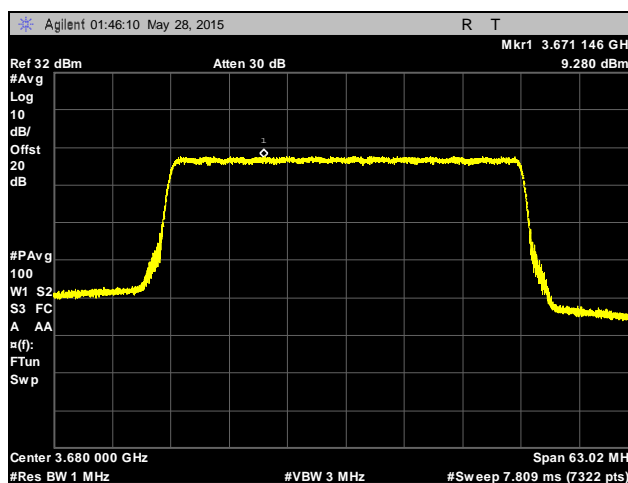
Plot 250. PSD, Low Channel, 40 MHz, Chain 1, 12 dBi Antenna



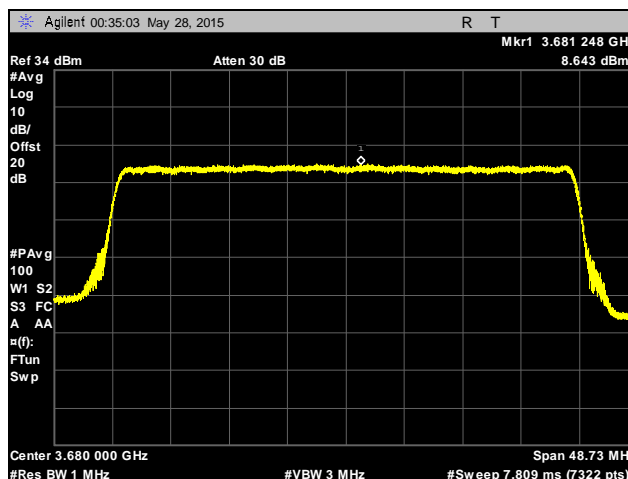
Plot 251. PSD, Mid Channel, 40 MHz, Chain 0, 12 dBi Antenna



Plot 252. PSD, Mid Channel, 40 MHz, Chain 1, 12 dBi Antenna



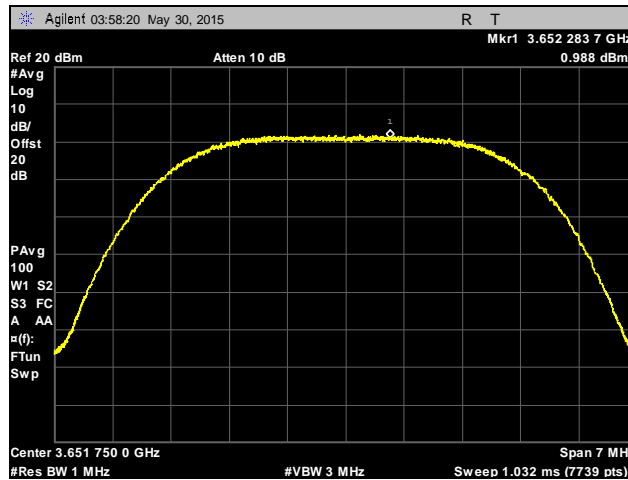
Plot 253. PSD, High Channel, 40 MHz, Chain 0, 12 dBi Antenna



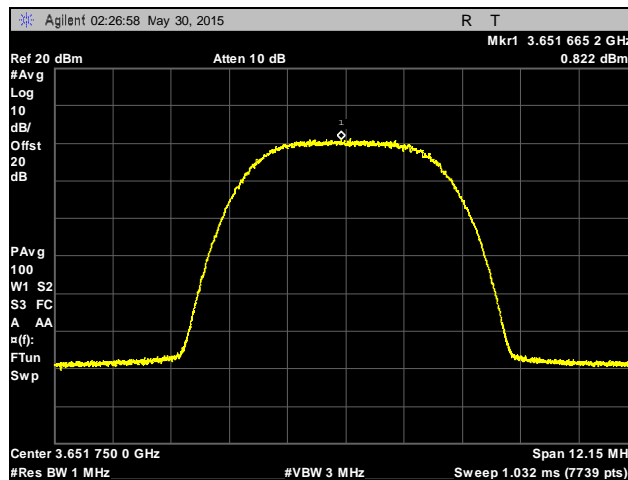
Plot 254. PSD, High Channel, 40 MHz, Chain 1, 12 dBi Antenna



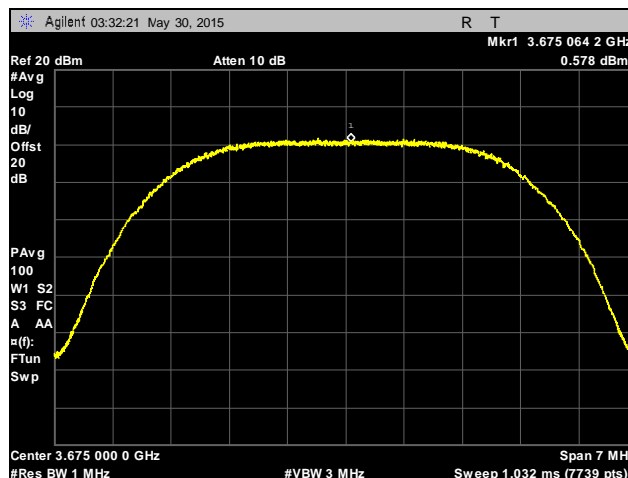
## Peak Power Spectral Density, 26 dBi Antenna



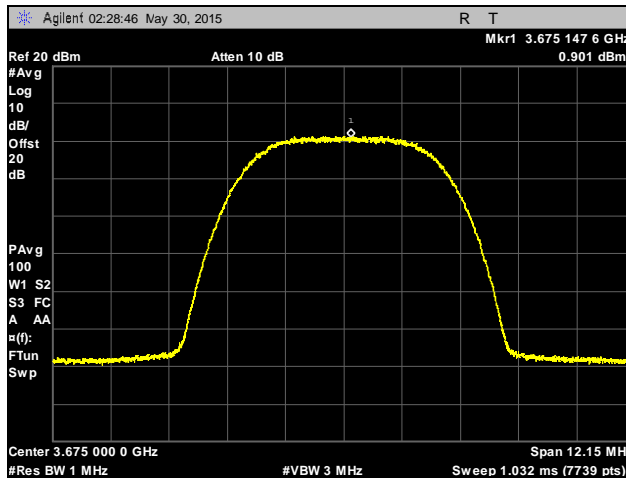
Plot 255. PSD, Low Channel, 3.5 MHz, Chain 0, 26 dBi Antenna



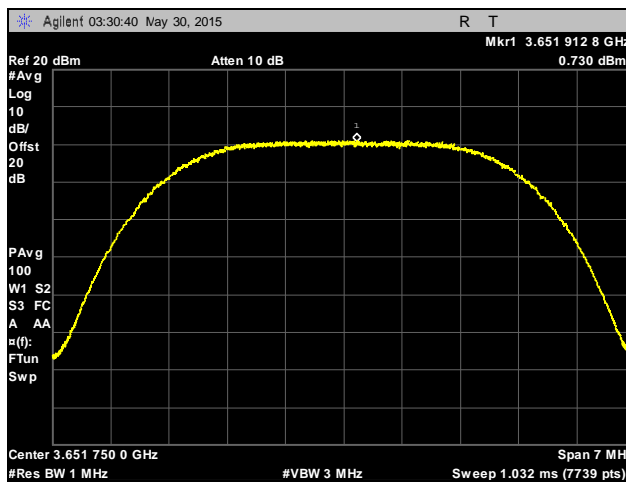
Plot 256. PSD, Low Channel, 3.5 MHz, Chain 1, 26 dBi Antenna



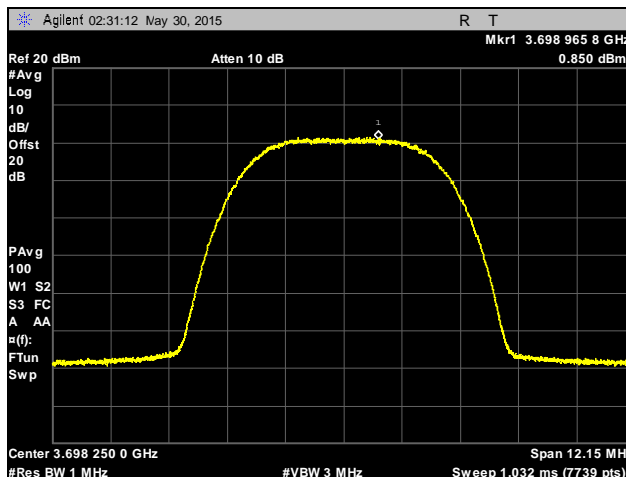
Plot 257. PSD, Mid Channel, 3.5 MHz, Chain 0, 26 dBi Antenna



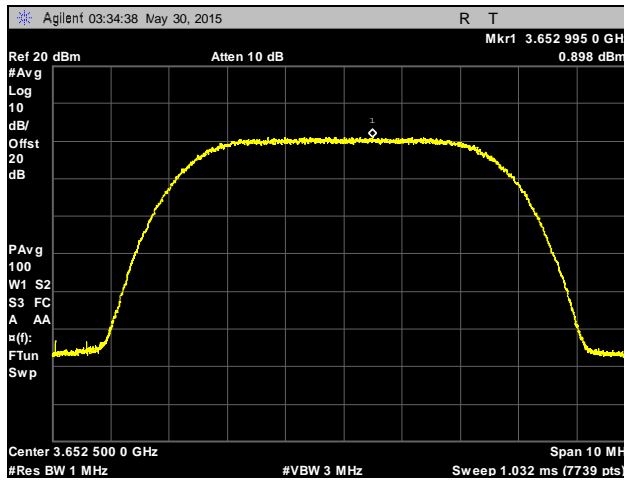
Plot 258. PSD, Mid Channel, 3.5 MHz, Chain 1, 26 dBi Antenna



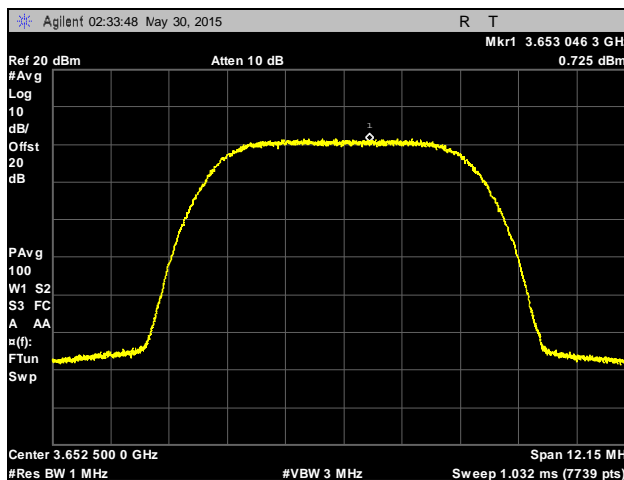
Plot 259. PSD, High Channel, 3.5 MHz, Chain 0, 26 dBi Antenna



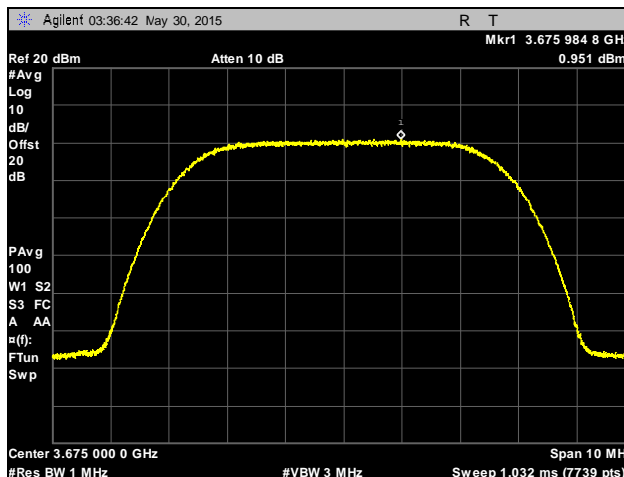
Plot 260. PSD, High Channel, 3.5 MHz, Chain 1, 26 dBi Antenna



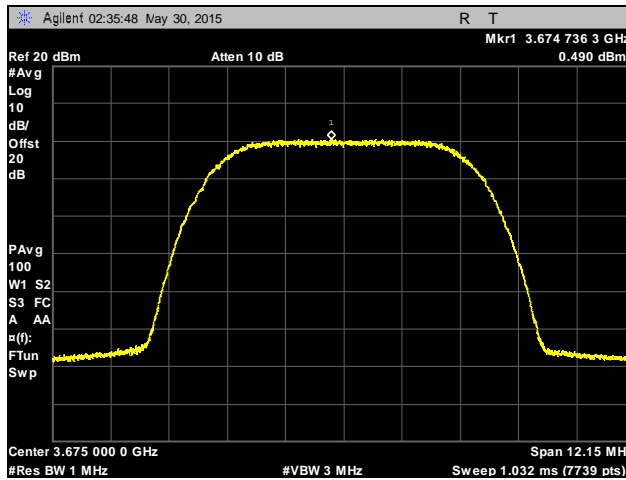
Plot 261. PSD, Low Channel, 5 MHz, Chain 0, 26 dBi Antenna



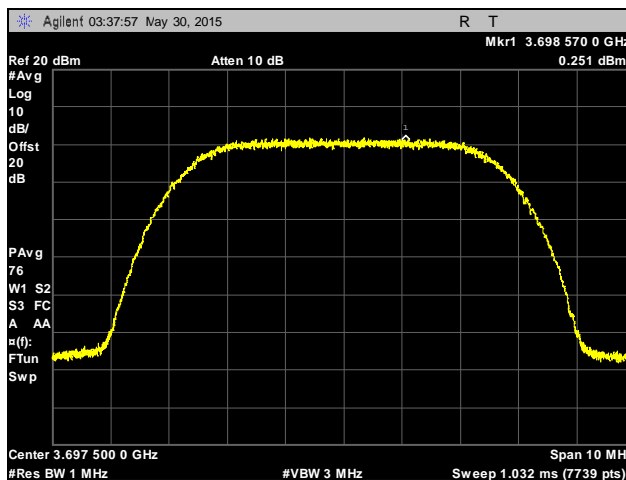
Plot 262. PSD, Low Channel, 5 MHz, Chain 1, 26 dBi Antenna



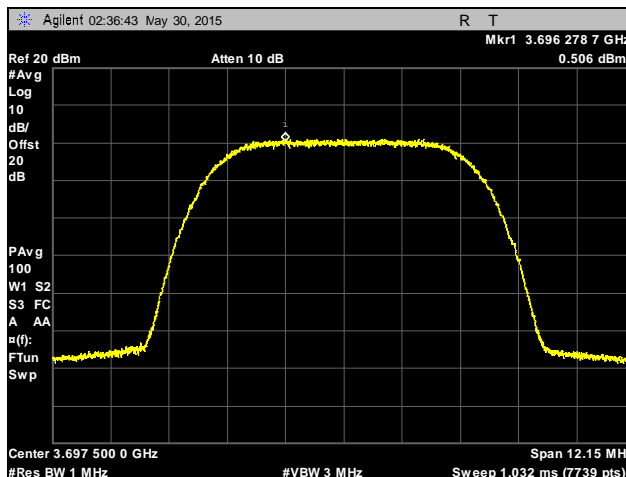
Plot 263. PSD, Mid Channel, 5 MHz, Chain 0, 26 dBi Antenna



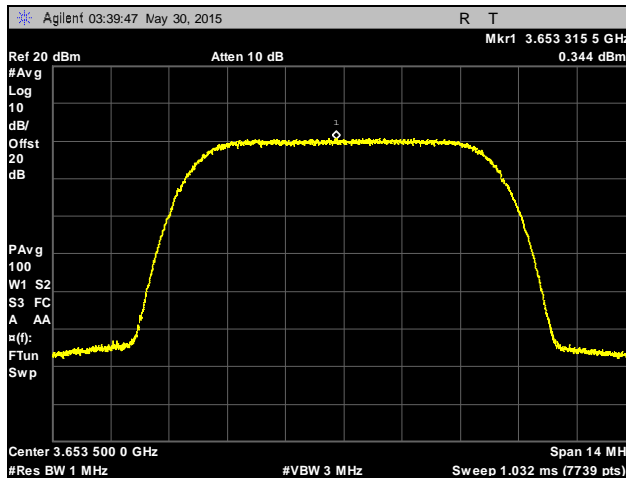
Plot 264. PSD, Mid Channel, 5 MHz, Chain 1, 26 dBi Antenna



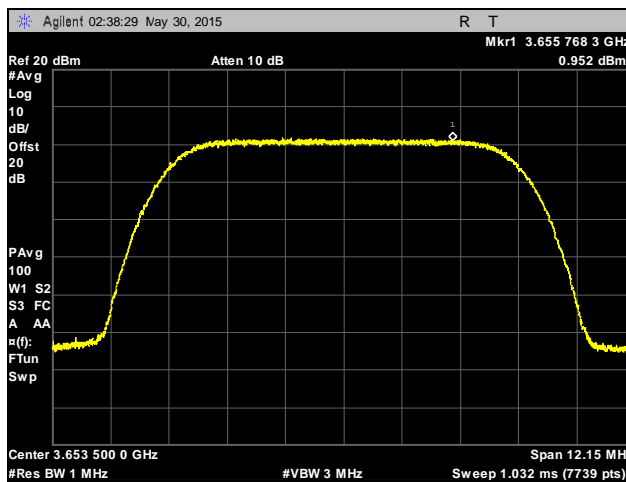
Plot 265. PSD, High Channel, 5 MHz, Chain 0, 26 dBi Antenna



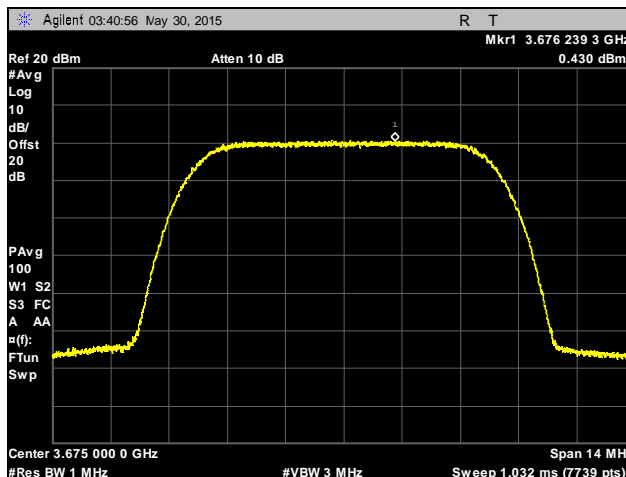
Plot 266. PSD, High Channel, 5 MHz, Chain 1, 26 dBi Antenna



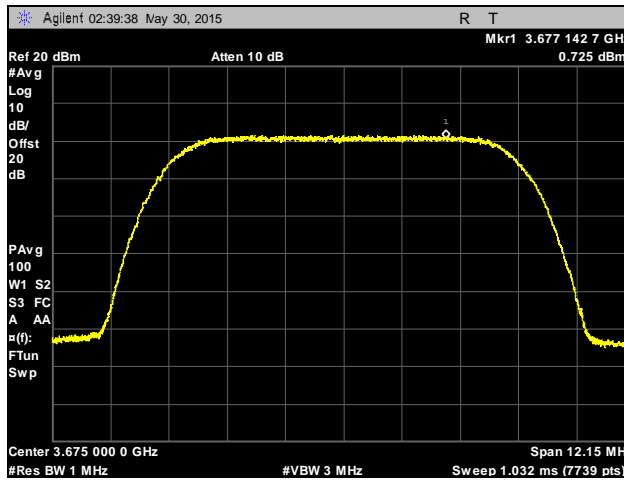
Plot 267. PSD, Low Channel, 7 MHz, Chain 0, 26 dBi Antenna



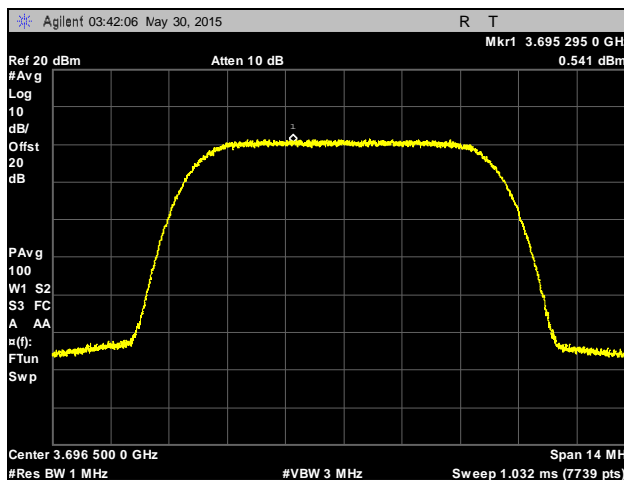
Plot 268. PSD, Low Channel, 7 MHz, Chain 1, 26 dBi Antenna



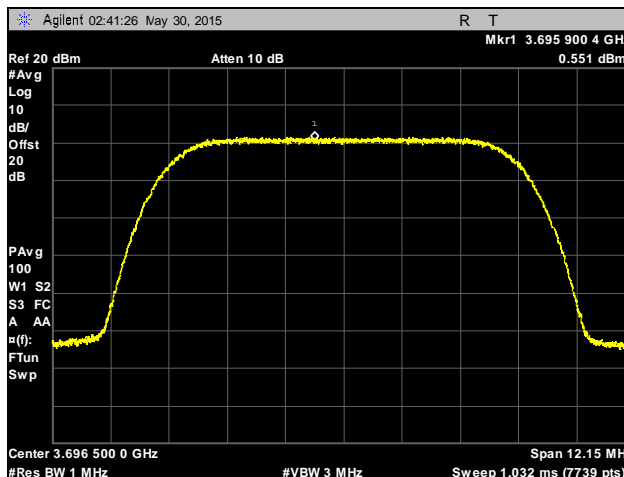
Plot 269. PSD, Mid Channel, 7 MHz, Chain 0, 26 dBi Antenna



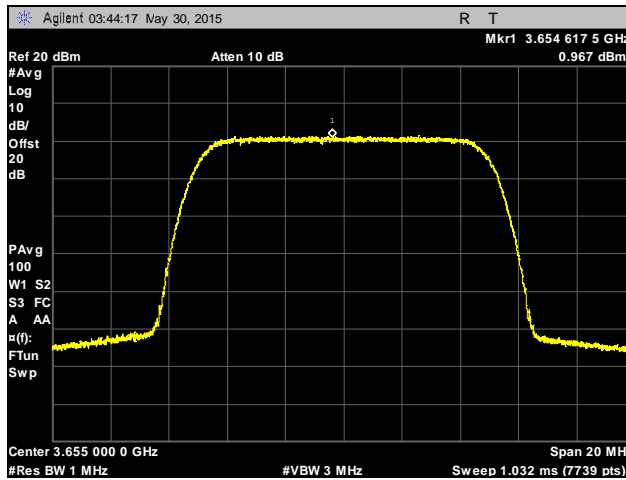
Plot 270. PSD, Mid Channel, 7 MHz, Chain 1, 26 dBi Antenna



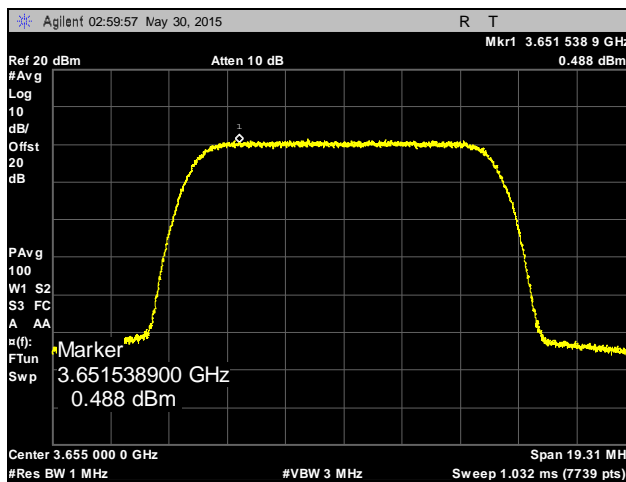
Plot 271. PSD, High Channel, 7 MHz, Chain 0, 26 dBi Antenna



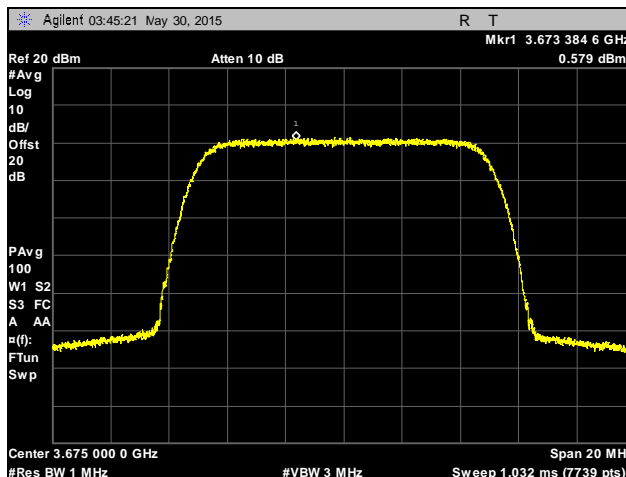
Plot 272. PSD, High Channel, 7 MHz, Chain 1, 26 dBi Antenna



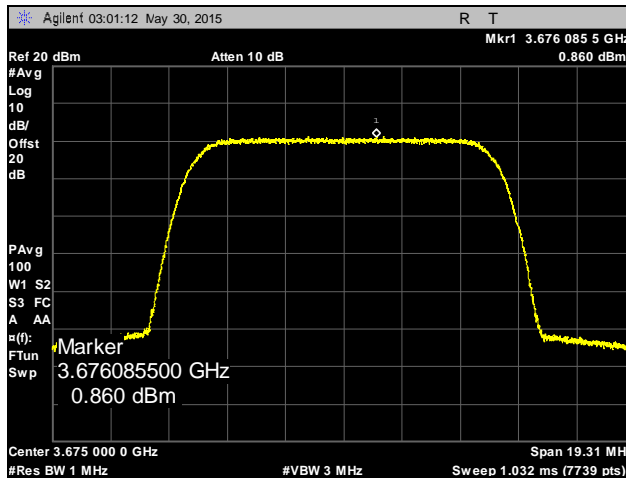
Plot 273. PSD, Low Channel, 10 MHz, Chain 0, 26 dBi Antenna



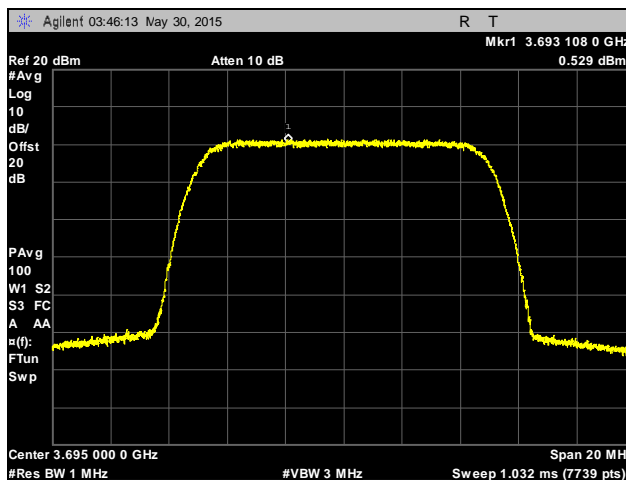
Plot 274. PSD, Low Channel, 10 MHz, Chain 1, 26 dBi Antenna



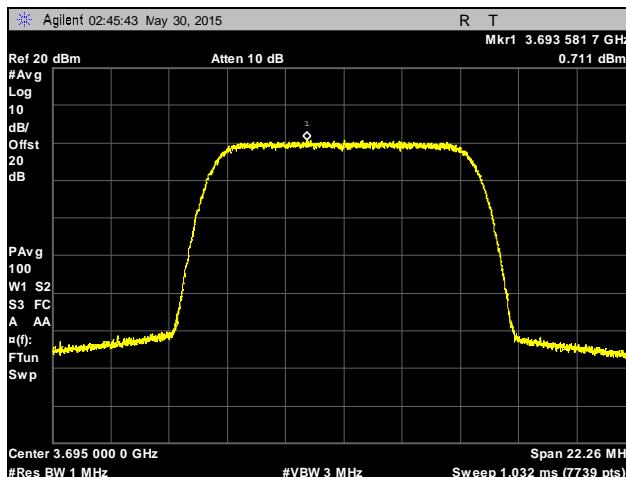
Plot 275. PSD, Mid Channel, 10 MHz, Chain 0, 26 dBi Antenna



Plot 276. PSD, Mid Channel, 10 MHz, Chain 1, 26 dBi Antenna

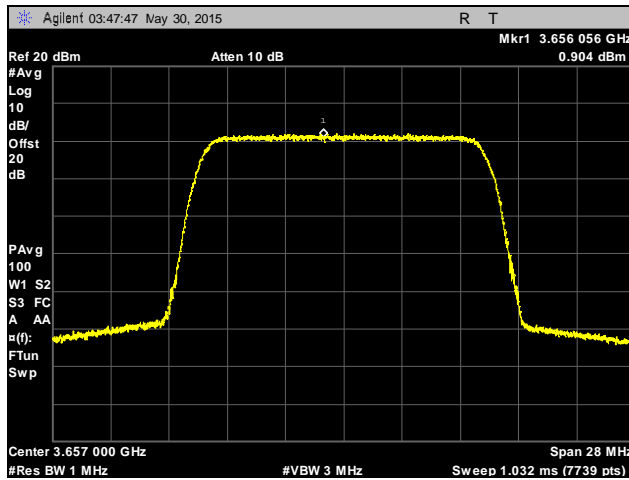


Plot 277. PSD, High Channel, 10 MHz, Chain 0, 26 dBi Antenna

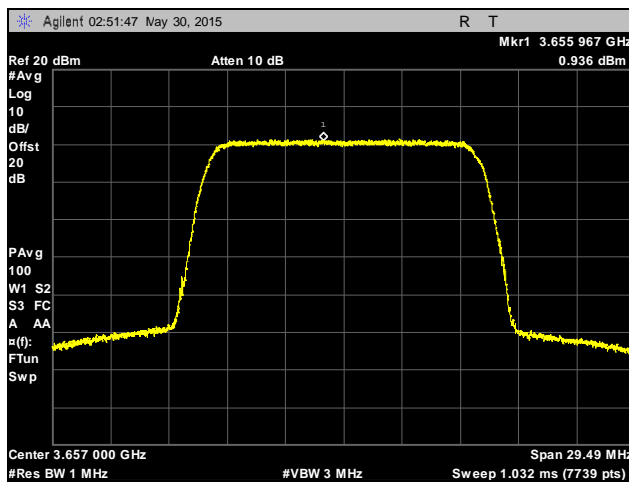


Plot 278. PSD, High Channel, 10 MHz, Chain 1, 26 dBi Antenna

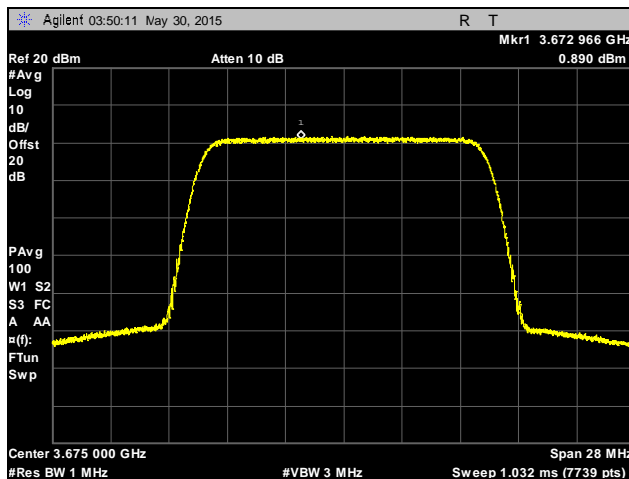




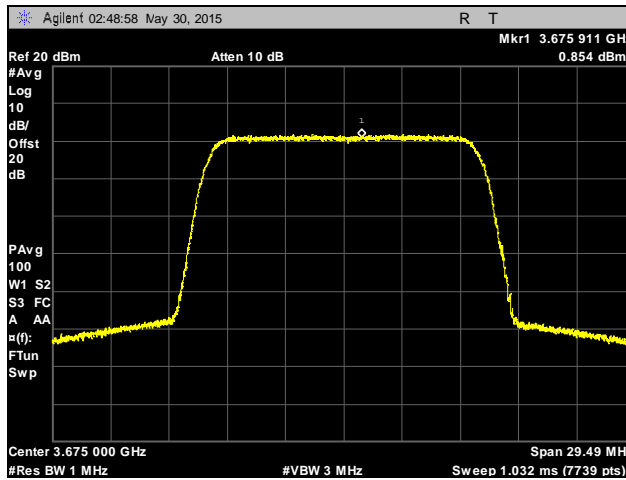
Plot 279. PSD, Low Channel, 14 MHz, Chain 0, 26 dBi Antenna



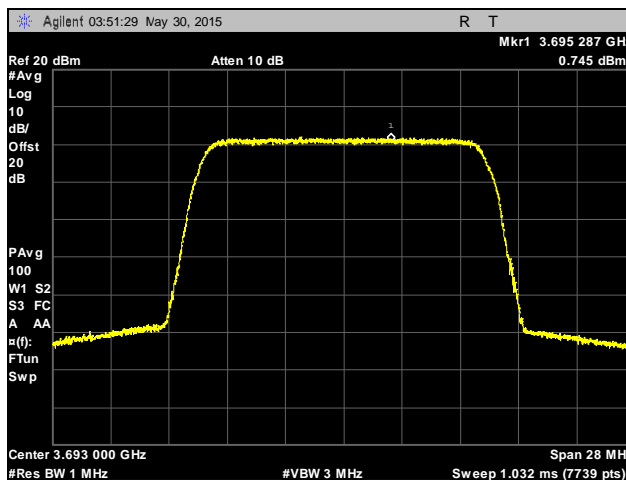
Plot 280. PSD, Low Channel, 14 MHz, Chain 1, 26 dBi Antenna



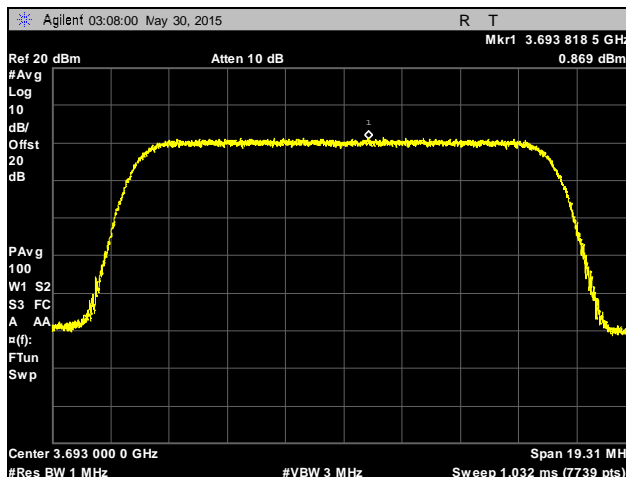
Plot 281. PSD, Mid Channel, 14 MHz, Chain 0, 26 dBi Antenna



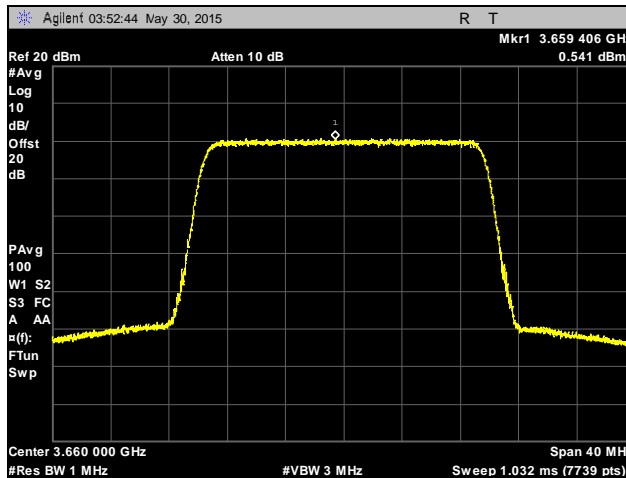
Plot 282. PSD, Mid Channel, 14 MHz, Chain 1, 26 dBi Antenna



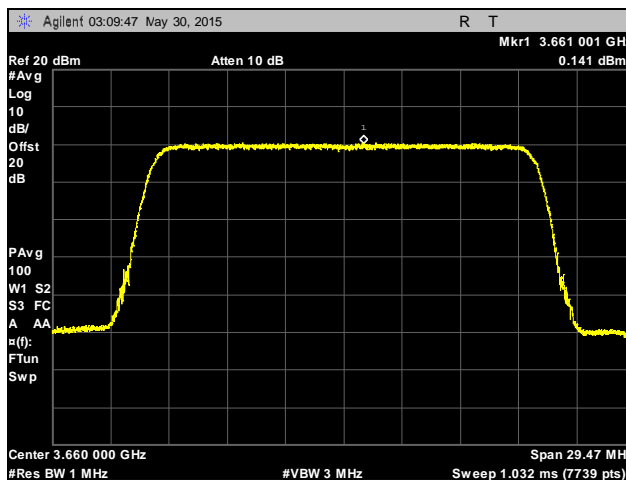
Plot 283. PSD, High Channel, 14 MHz, Chain 0, 26 dBi Antenna



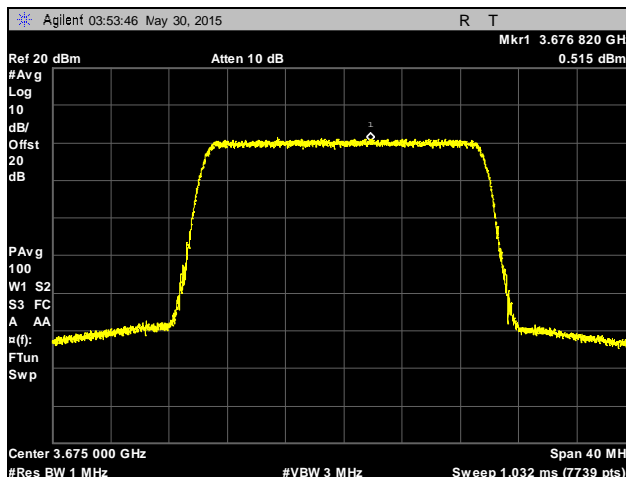
Plot 284. PSD, High Channel, 14 MHz, Chain 1, 26 dBi Antenna



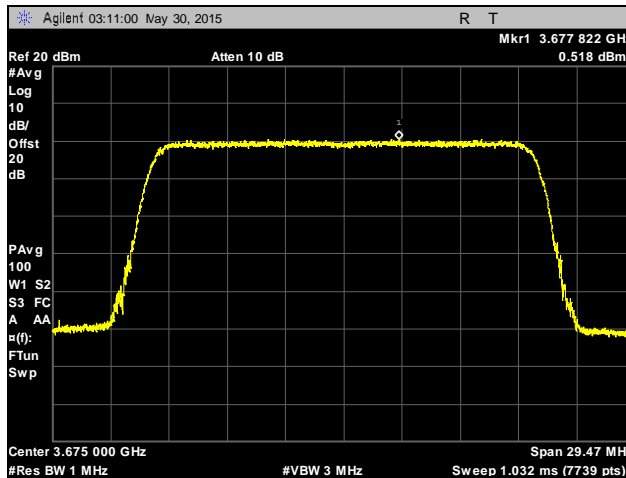
Plot 285. PSD, Low Channel, 20 MHz, Chain 0, 26 dBi Antenna



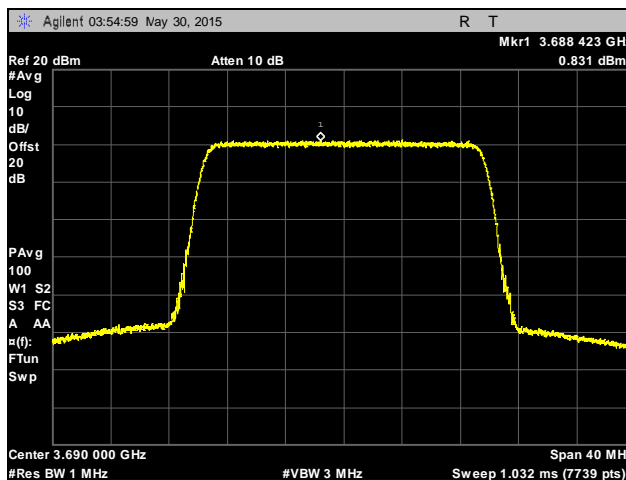
Plot 286. PSD, Low Channel, 20 MHz, Chain 1, 26 dBi Antenna



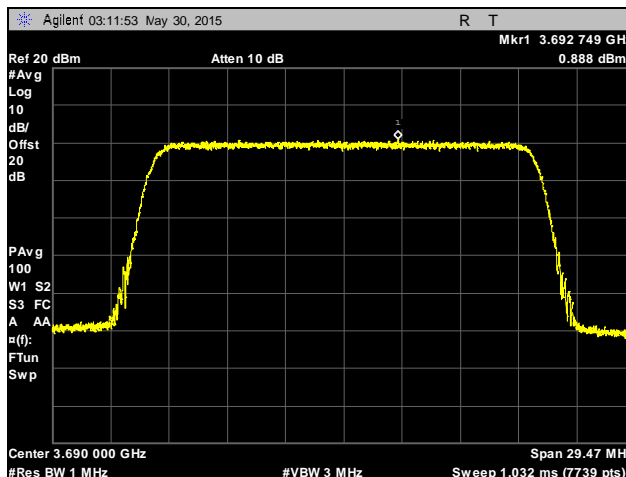
Plot 287. PSD, Mid Channel, 20 MHz, Chain 0, 26 dBi Antenna



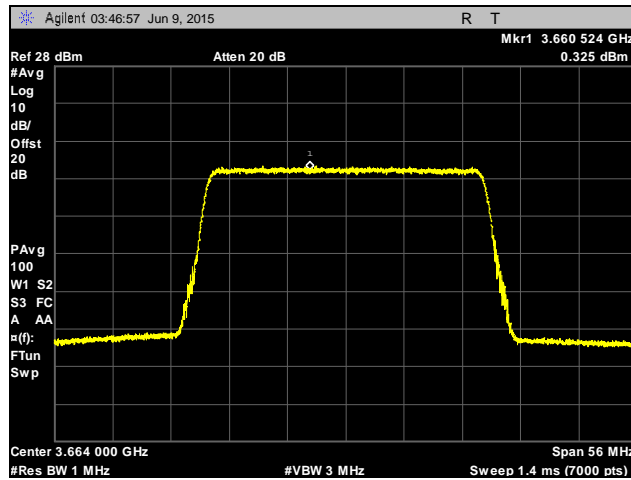
Plot 288. PSD, Mid Channel, 20 MHz, Chain 1, 26 dBi Antenna



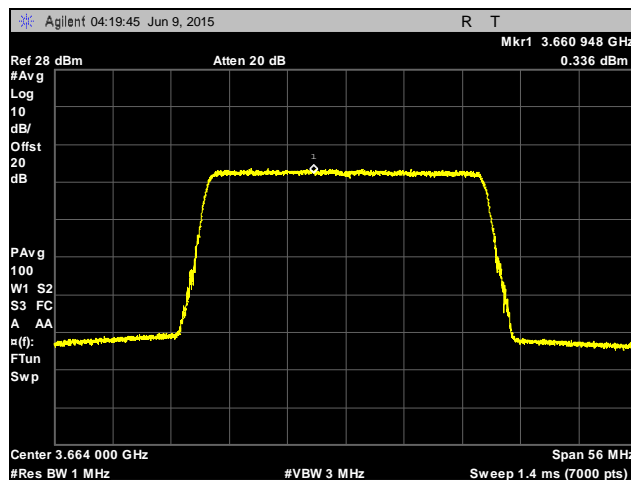
Plot 289. PSD, High Channel, 20 MHz, Chain 0, 26 dBi Antenna



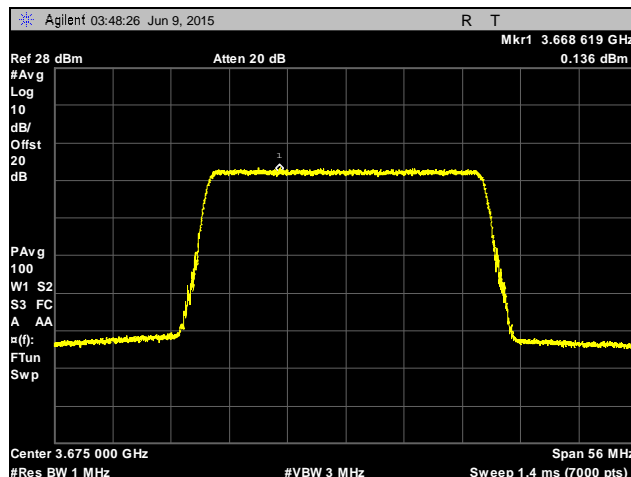
Plot 290. PSD, High Channel, 20 MHz, Chain 1, 26 dBi Antenna



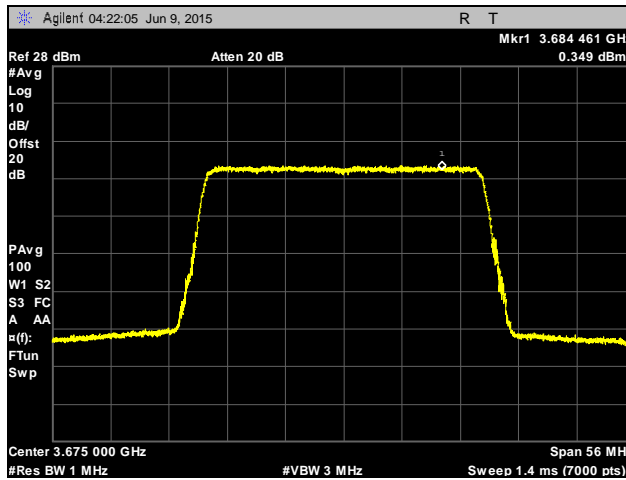
Plot 291. PSD, Low Channel, 28 MHz, Chain 0, 26 dBi Antenna



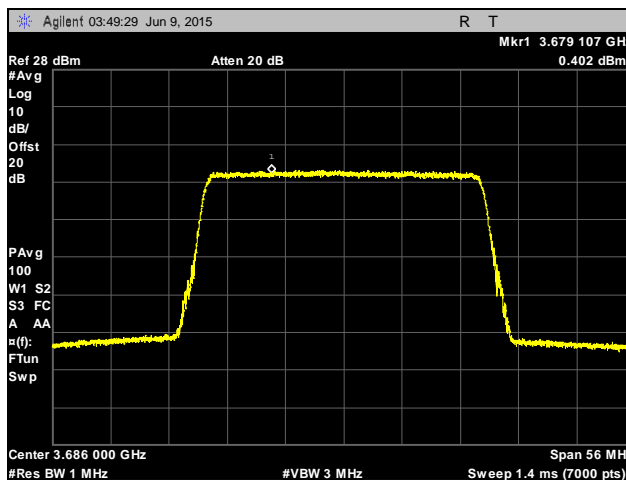
Plot 292. PSD, Low Channel, 28 MHz, Chain 1, 26 dBi Antenna



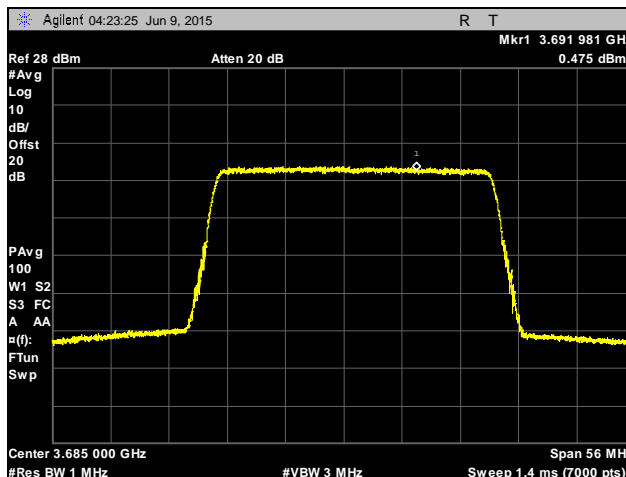
Plot 293. PSD, Mid Channel, 28 MHz, Chain 0, 26 dBi Antenna



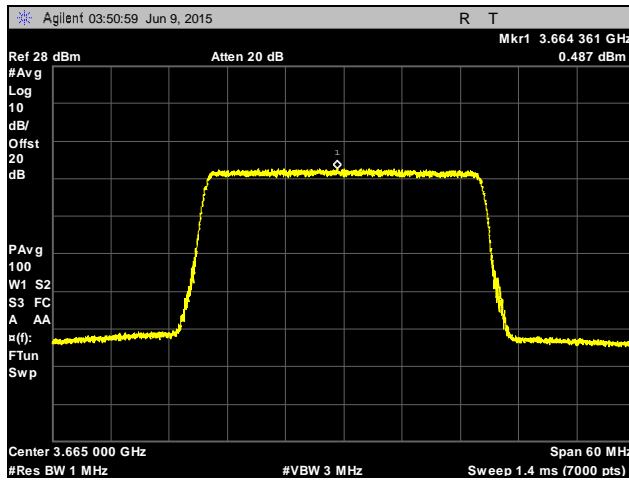
Plot 294. PSD, Mid Channel, 28 MHz, Chain 1, 26 dBi Antenna



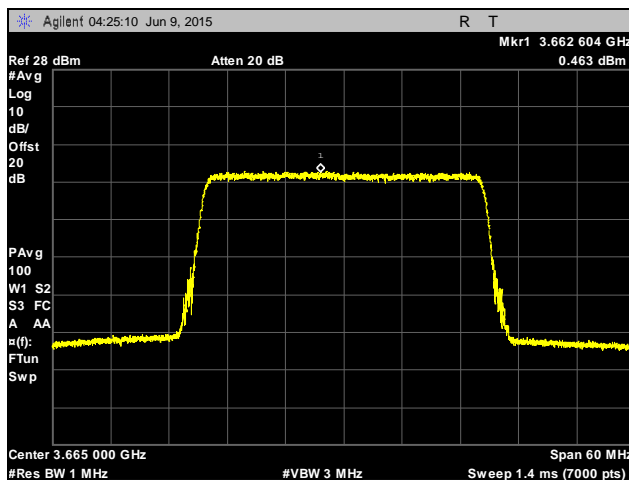
Plot 295. PSD, High Channel, 28 MHz, Chain 0, 26 dBi Antenna



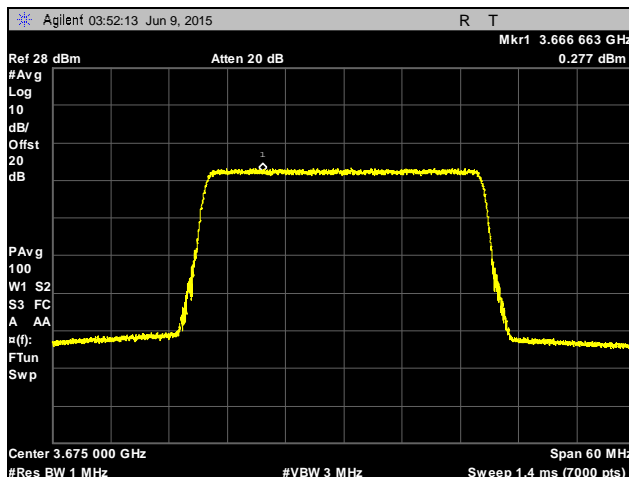
Plot 296. PSD, High Channel, 28 MHz, Chain 1, 26 dBi Antenna



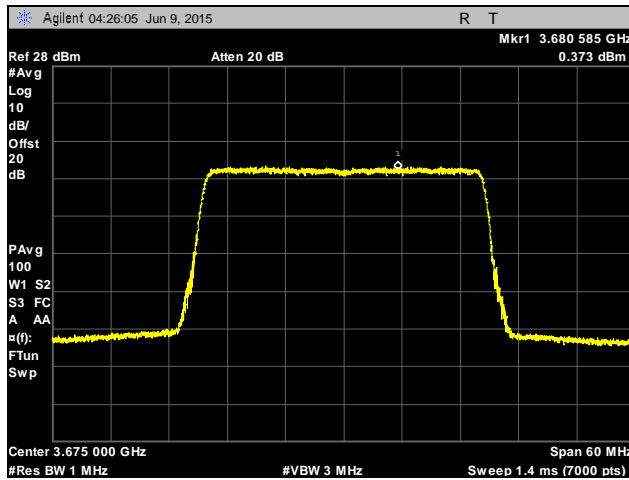
Plot 297. PSD, Low Channel, 30 MHz, Chain 0, 26 dBi Antenna



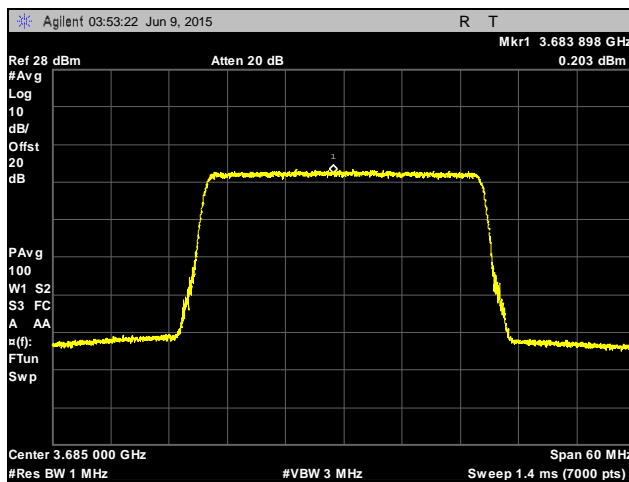
Plot 298. PSD, Low Channel, 30 MHz, Chain 1, 26 dBi Antenna



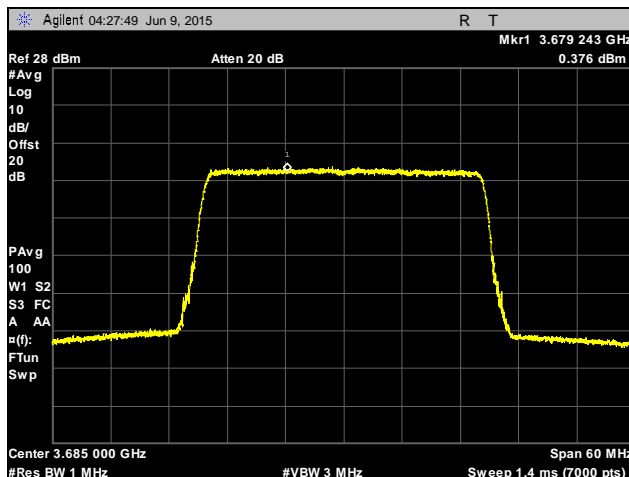
Plot 299. PSD, Mid Channel, 30 MHz, Chain 0, 26 dBi Antenna



Plot 300. PSD, Mid Channel, 30 MHz, Chain 1, 26 dBi Antenna

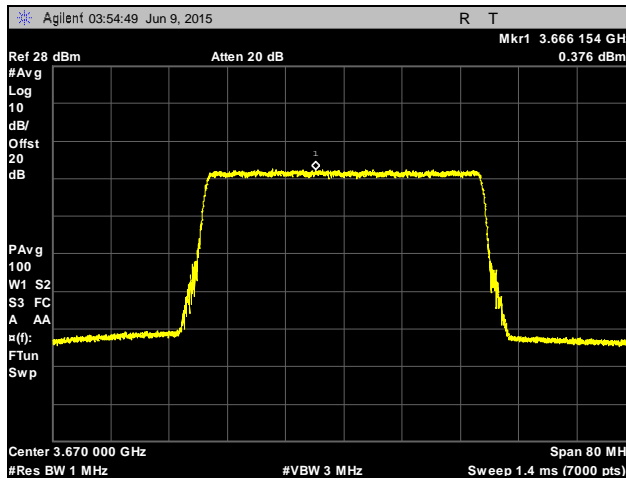


Plot 301. PSD, High Channel, 30 MHz, Chain 0, 26 dBi Antenna

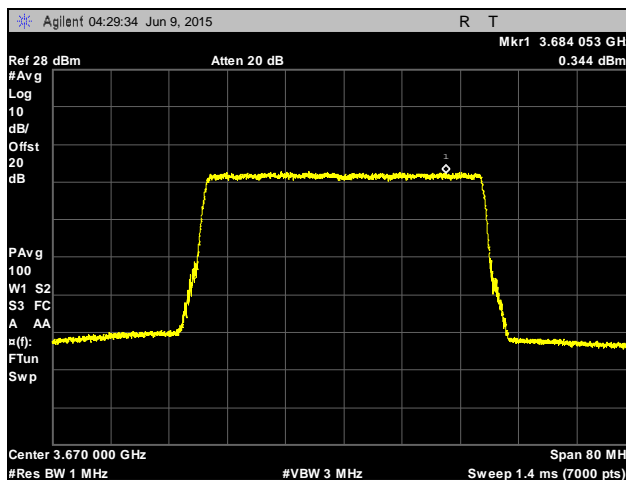


Plot 302. PSD, High Channel, 30 MHz, Chain 1, 26 dBi Antenna

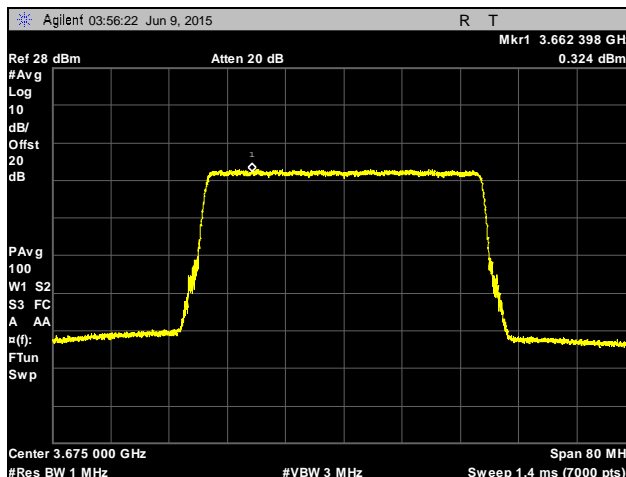




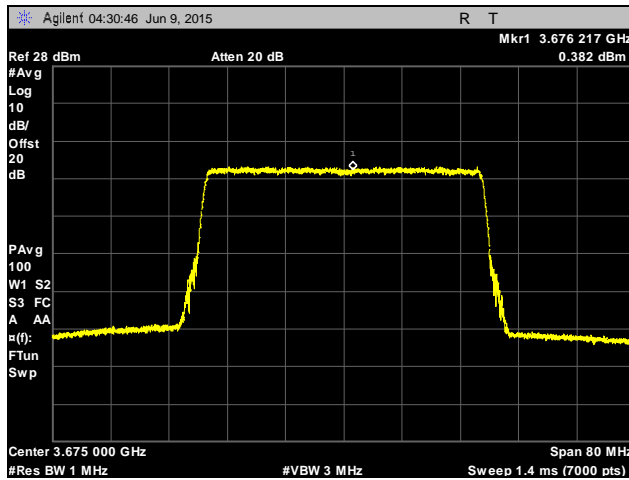
Plot 303. PSD, Low Channel, 40 MHz, Chain 0, 26 dBi Antenna



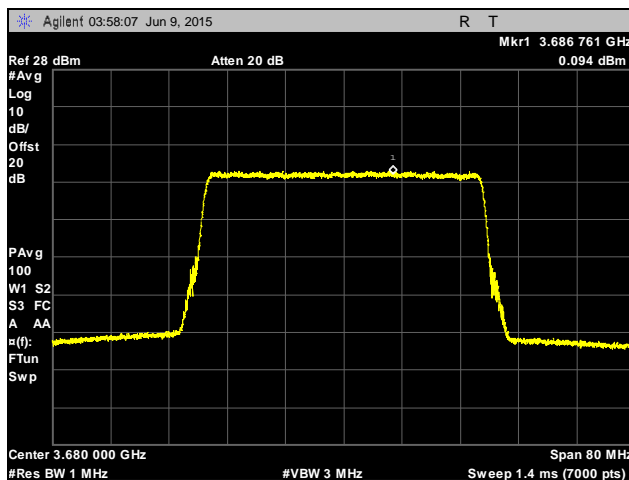
Plot 304. PSD, Low Channel, 40 MHz, Chain 1, 26 dBi Antenna



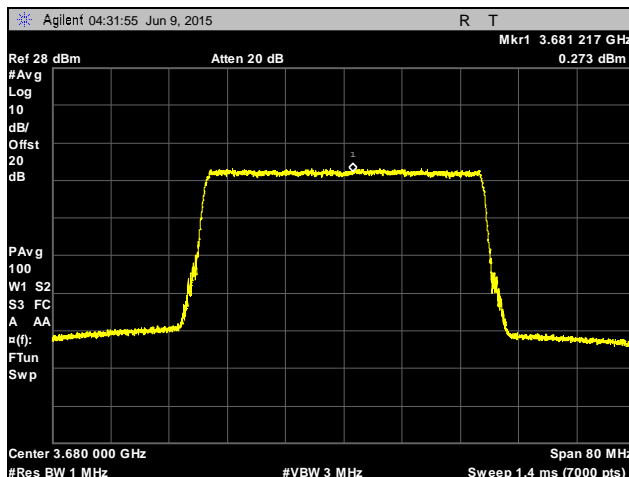
Plot 305. PSD, Mid Channel, 40 MHz, Chain 0, 26 dBi Antenna



Plot 306. PSD, Mid Channel, 40 MHz, Chain 1, 26 dBi Antenna

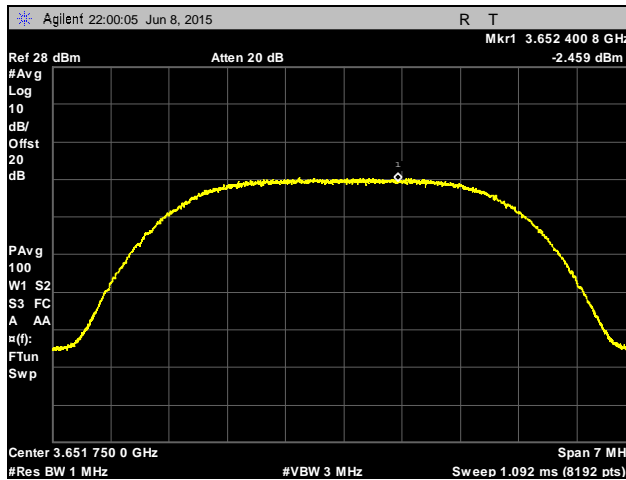


Plot 307. PSD, High Channel, 40 MHz, Chain 0, 26 dBi Antenna

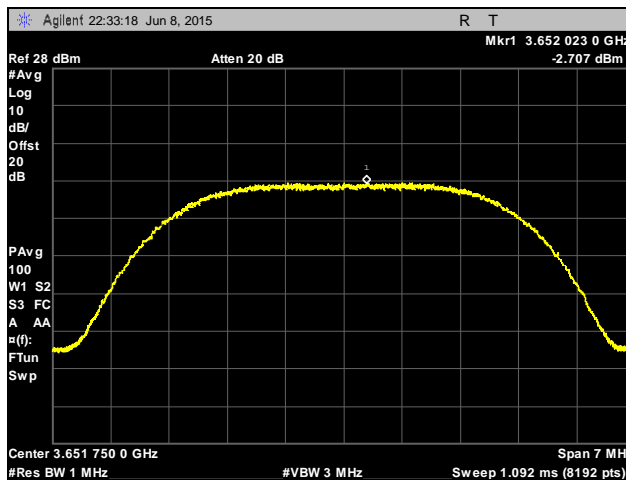


Plot 308. PSD, High Channel, 40 MHz, Chain 1, 26 dBi Antenna

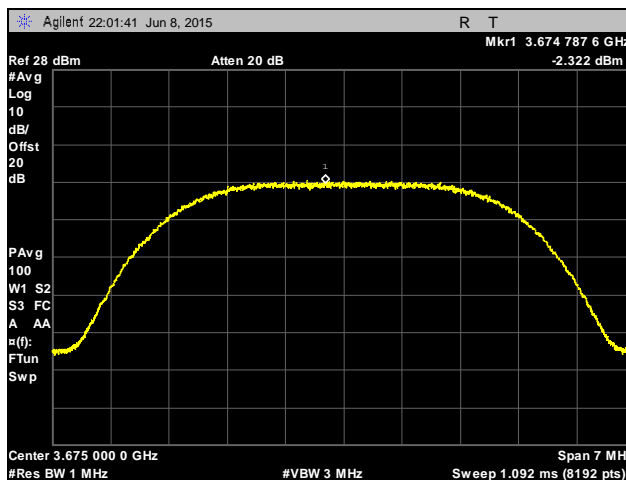
**Peak Power Spectral Density, 29 dBi Antenna**



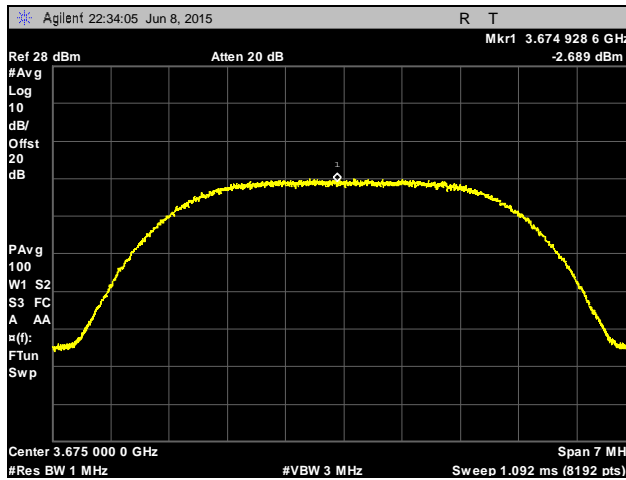
**Plot 309. PSD, Low Channel, 3.5 MHz, Chain 0, 29 dBi Antenna**



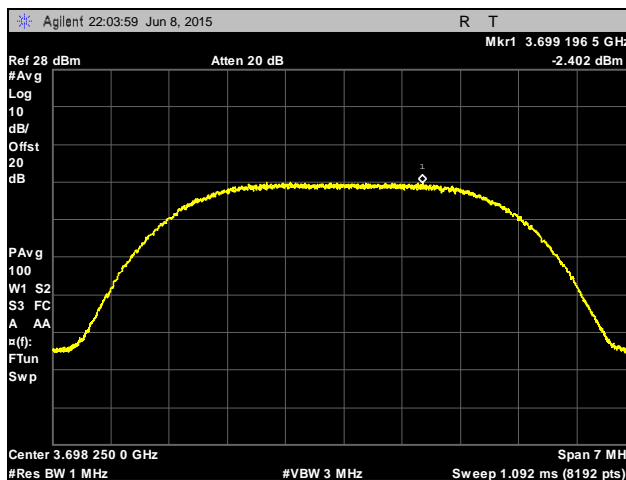
**Plot 310. PSD, Low Channel, 3.5 MHz, Chain 1, 29 dBi Antenna**



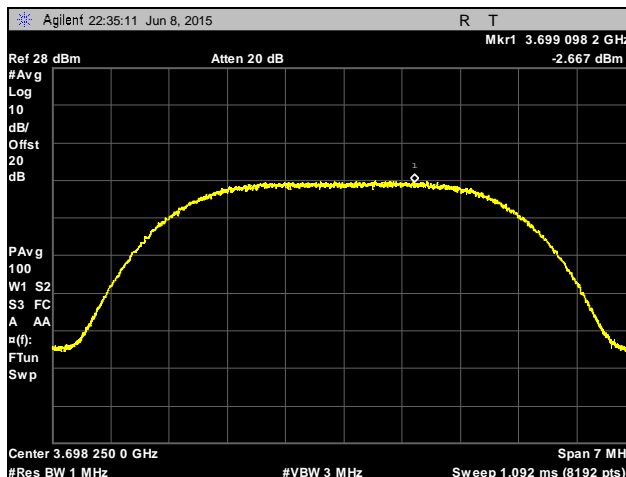
**Plot 311. PSD, Mid Channel, 3.5 MHz, Chain 0, 29 dBi Antenna**



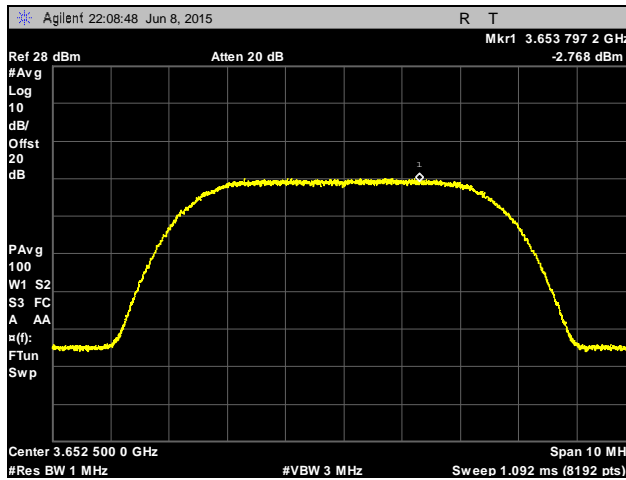
Plot 312. PSD, Mid Channel, 3.5 MHz, Chain 1, 29 dBi Antenna



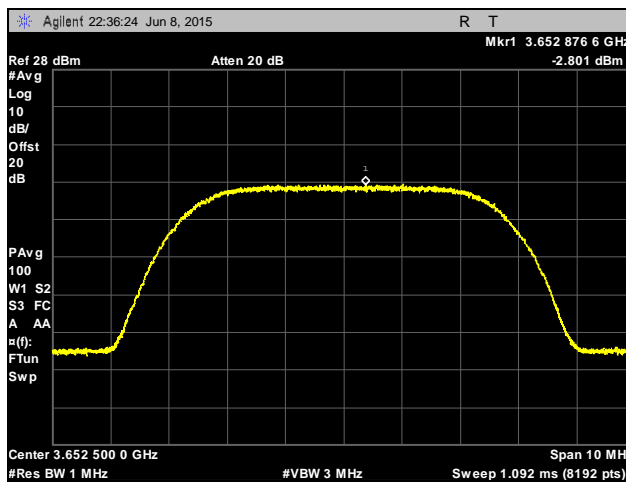
Plot 313. PSD, High Channel, 3.5 MHz, Chain 0, 29 dBi Antenna



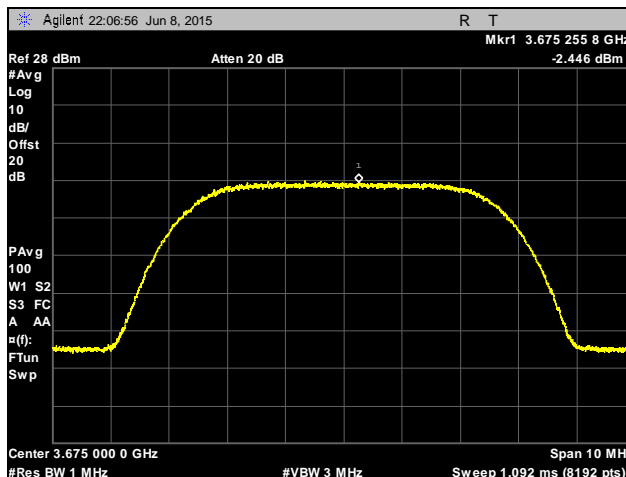
Plot 314. PSD, High Channel, 3.5 MHz, Chain 1, 29 dBi Antenna



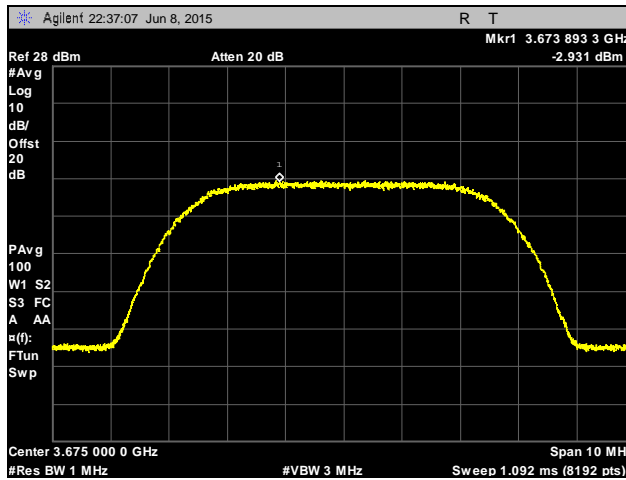
Plot 315. PSD, Low Channel, 5 MHz, Chain 0, 29 dBi Antenna



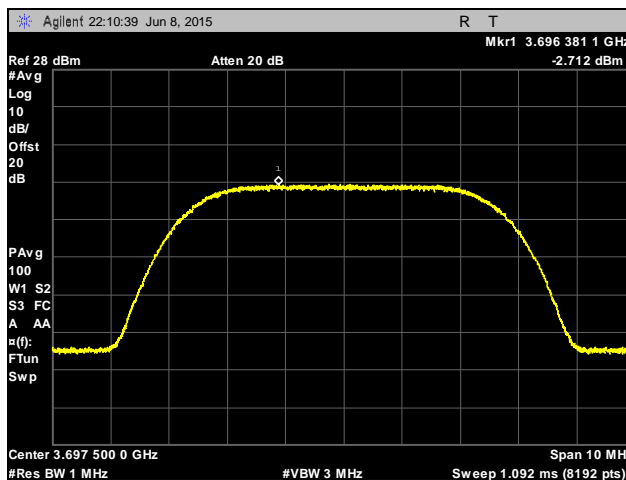
Plot 316. PSD, Low Channel, 5 MHz, Chain 1, 29 dBi Antenna



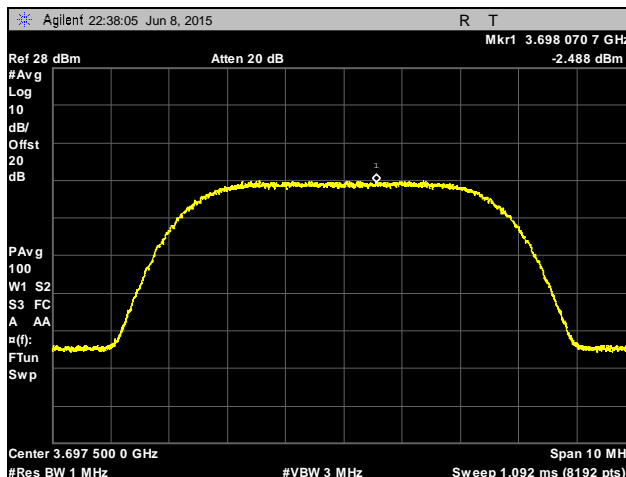
Plot 317. PSD, Mid Channel, 5 MHz, Chain 0, 29 dBi Antenna



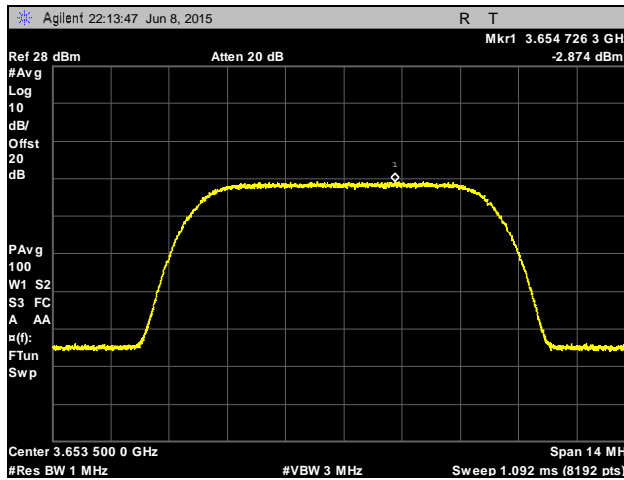
Plot 318. PSD, Mid Channel, 5 MHz, Chain 1, 29 dBi Antenna



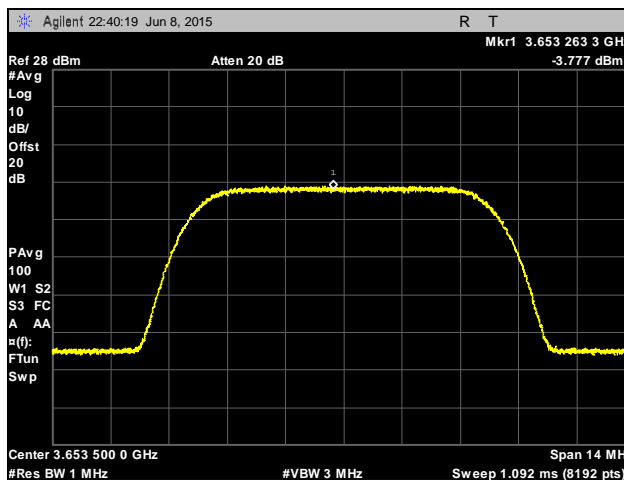
Plot 319. PSD, High Channel, 5 MHz, Chain 0, 29 dBi Antenna



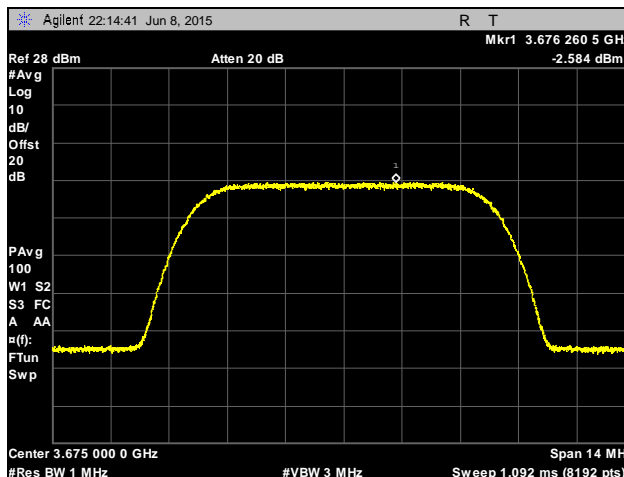
Plot 320. PSD, High Channel, 5 MHz, Chain 1, 29 dBi Antenna



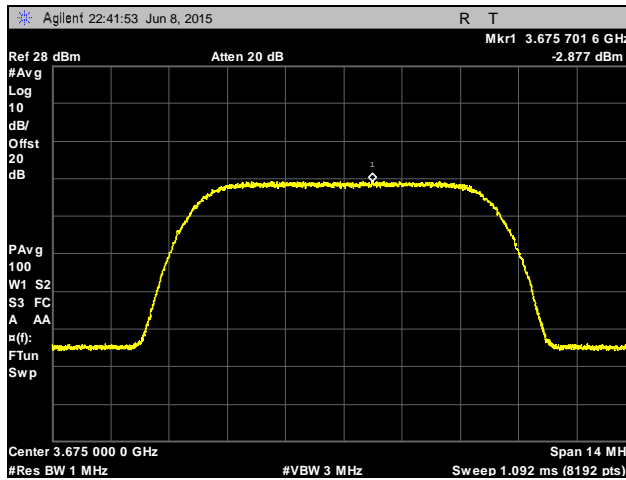
Plot 321. PSD, Low Channel, 7 MHz, Chain 0, 29 dBi Antenna



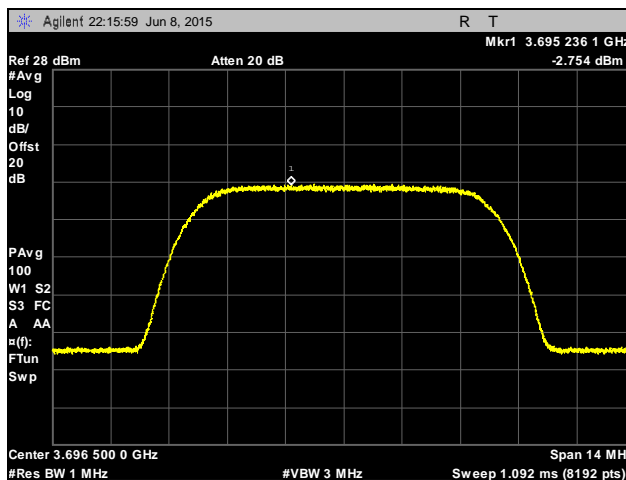
Plot 322. PSD, Low Channel, 7 MHz, Chain 1, 29 dBi Antenna



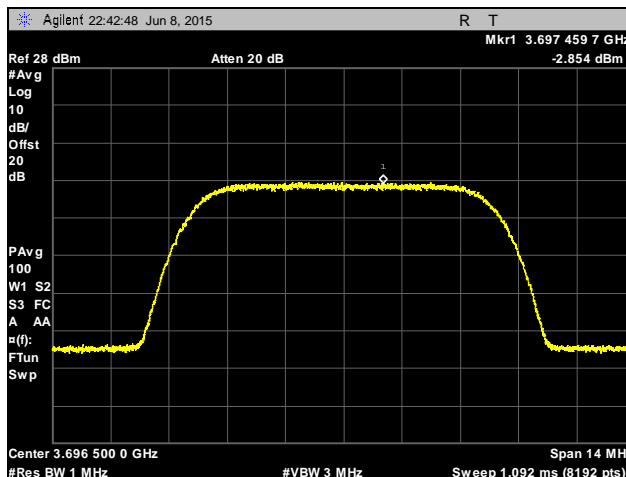
Plot 323. PSD, Mid Channel, 7 MHz, Chain 0, 29 dBi Antenna



Plot 324. PSD, Mid Channel, 7 MHz, Chain 1, 29 dBi Antenna

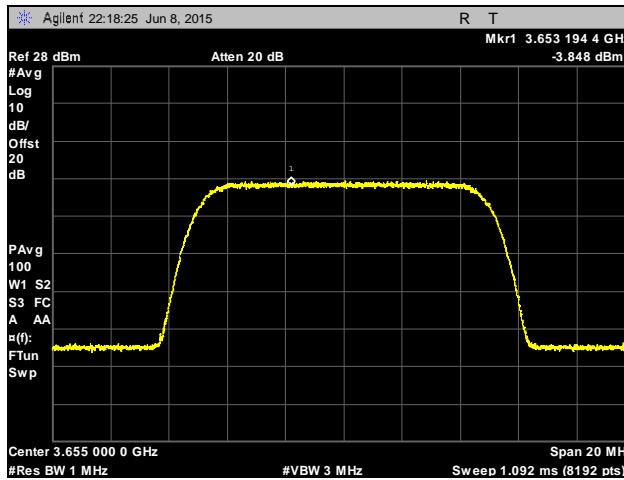


Plot 325. PSD, High Channel, 7 MHz, Chain 0, 29 dBi Antenna

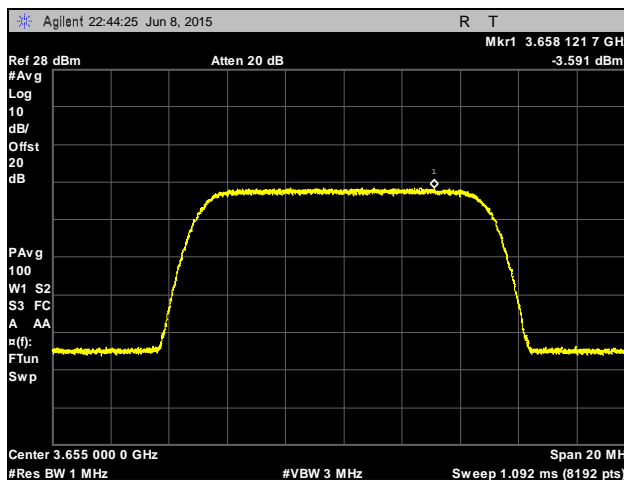


Plot 326. PSD, High Channel, 7 MHz, Chain 1, 29 dBi Antenna

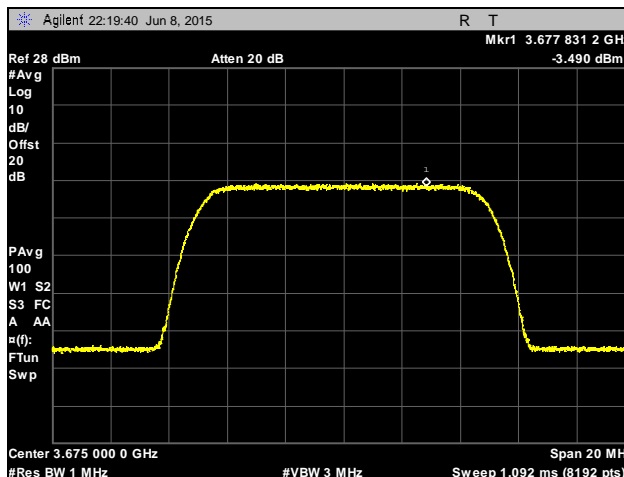




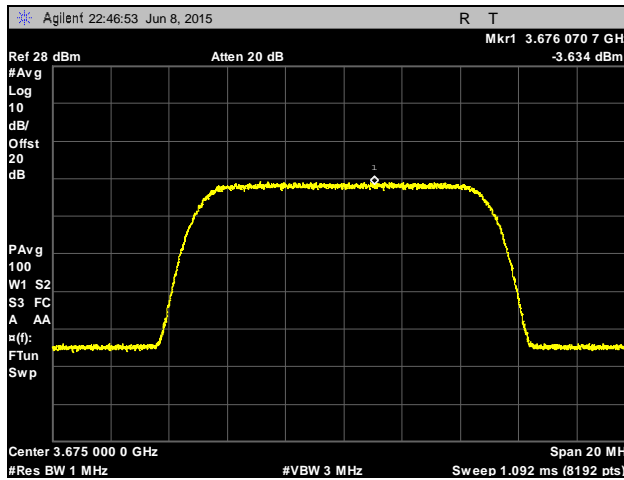
Plot 327. PSD, Low Channel, 10 MHz, Chain 0, 29 dBi Antenna



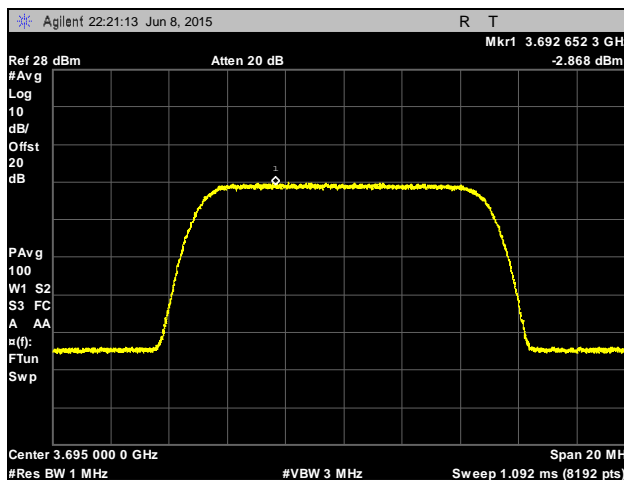
Plot 328. PSD, Low Channel, 10 MHz, Chain 1, 29 dBi Antenna



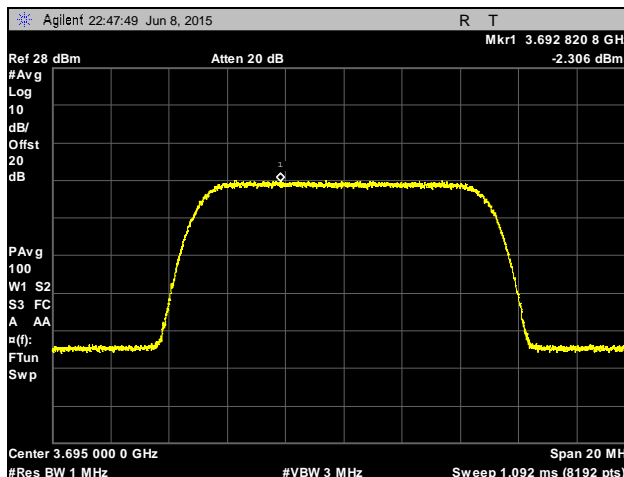
Plot 329. PSD, Mid Channel, 10 MHz, Chain 0, 29 dBi Antenna



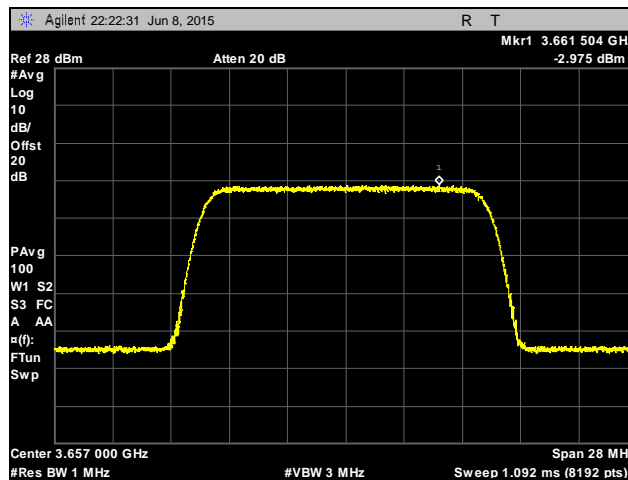
Plot 330. PSD, Mid Channel, 10 MHz, Chain 1, 29 dBi Antenna



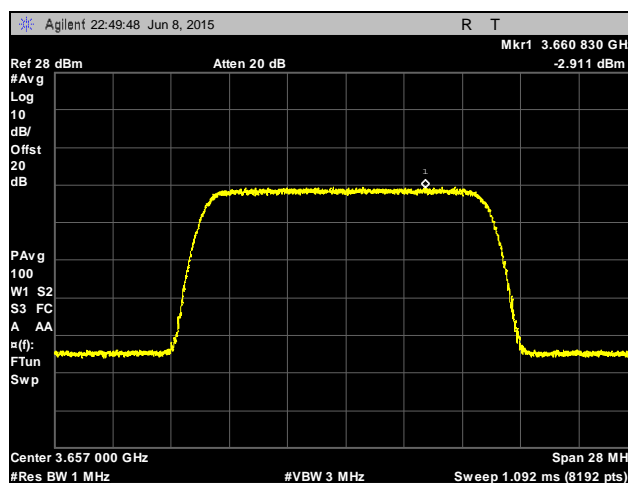
Plot 331. PSD, High Channel, 10 MHz, Chain 0, 29 dBi Antenna



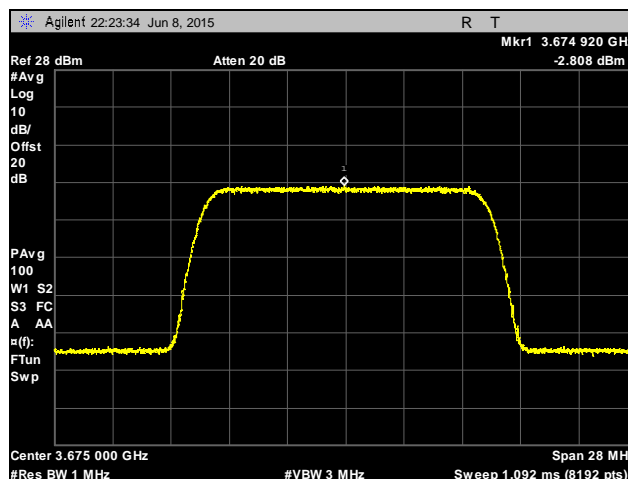
Plot 332. PSD, High Channel, 10 MHz, Chain 1, 29 dBi Antenna



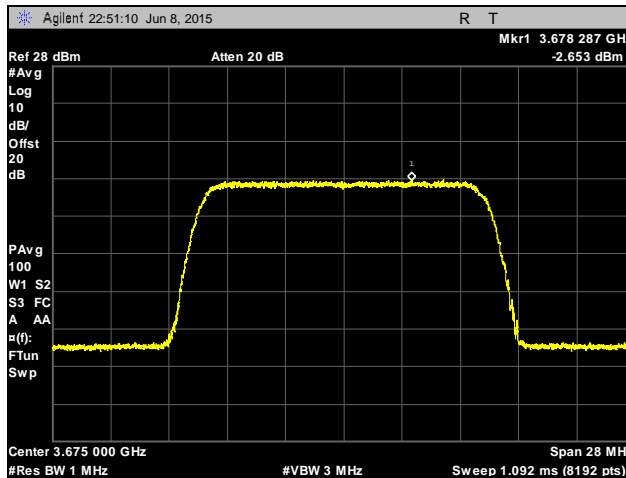
Plot 333. PSD, Low Channel, 14 MHz, Chain 0, 29 dBi Antenna



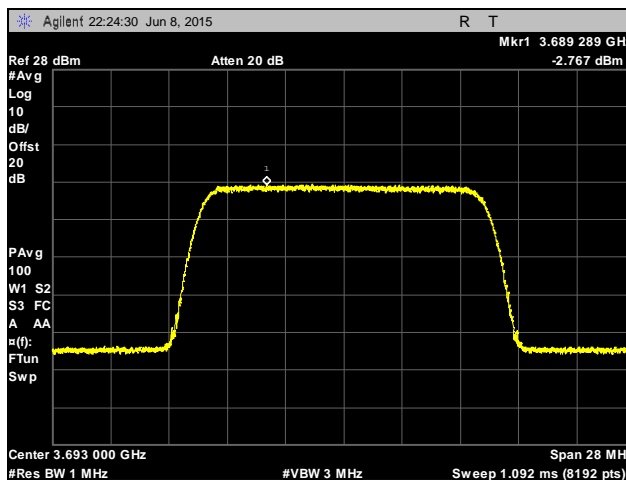
Plot 334. PSD, Low Channel, 14 MHz, Chain 1, 29 dBi Antenna



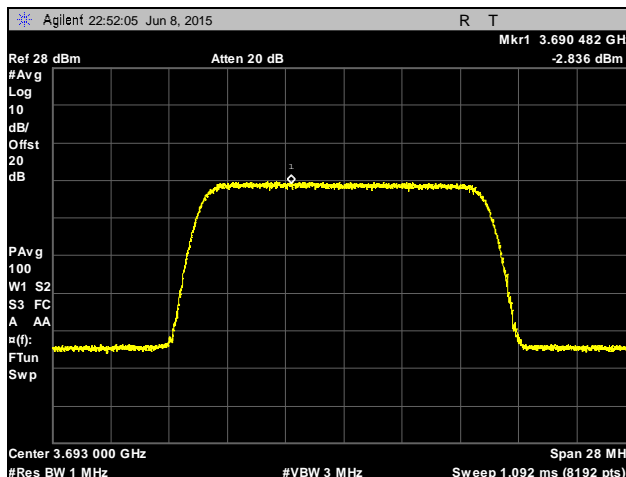
Plot 335. PSD, Mid Channel, 14 MHz, Chain 0, 29 dBi Antenna



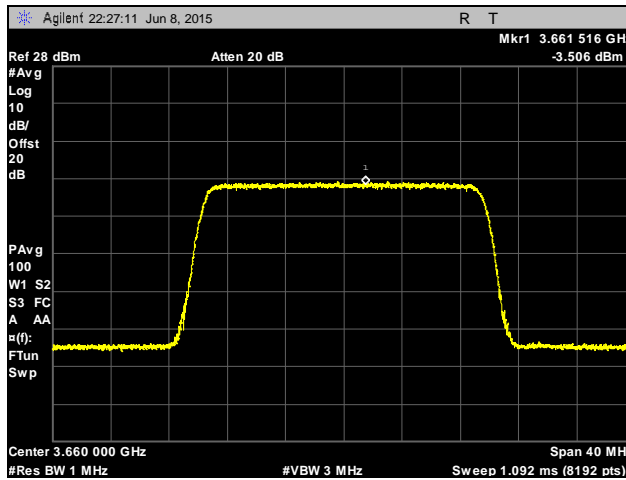
Plot 336. PSD, Mid Channel, 14 MHz, Chain 1, 29 dBi Antenna



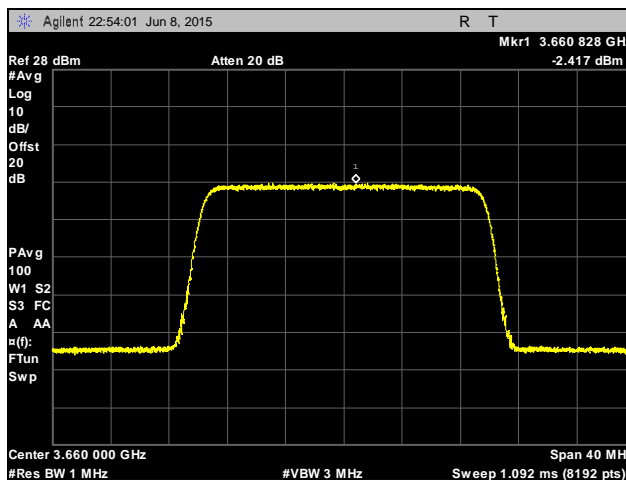
Plot 337. PSD, High Channel, 14 MHz, Chain 0, 29 dBi Antenna



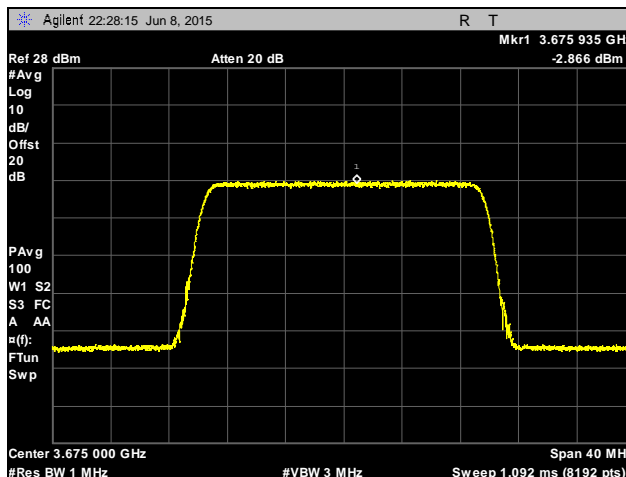
Plot 338. PSD, High Channel, 14 MHz, Chain 1, 29 dBi Antenna



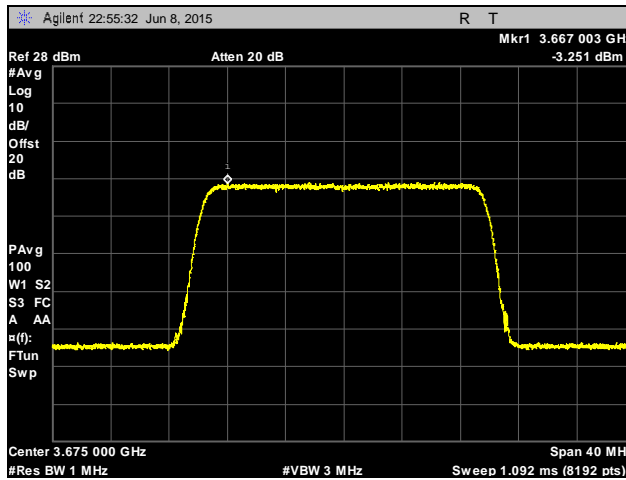
Plot 339. PSD, Low Channel, 20 MHz, Chain 0, 29 dBi Antenna



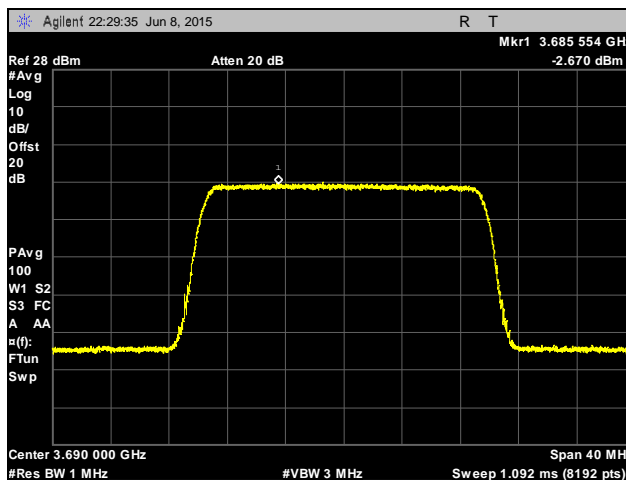
Plot 340. PSD, Low Channel, 20 MHz, Chain 1, 29 dBi Antenna



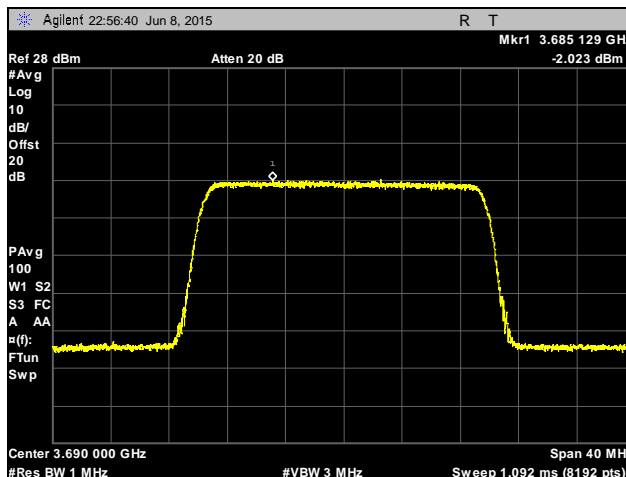
Plot 341. PSD, Mid Channel, 20 MHz, Chain 0, 29 dBi Antenna



Plot 342. PSD, Mid Channel, 20 MHz, Chain 1, 29 dBi Antenna



Plot 343. PSD, High Channel, 20 MHz, Chain 0, 29 dBi Antenna



Plot 344. PSD, High Channel, 20 MHz, Chain 1, 29 dBi Antenna