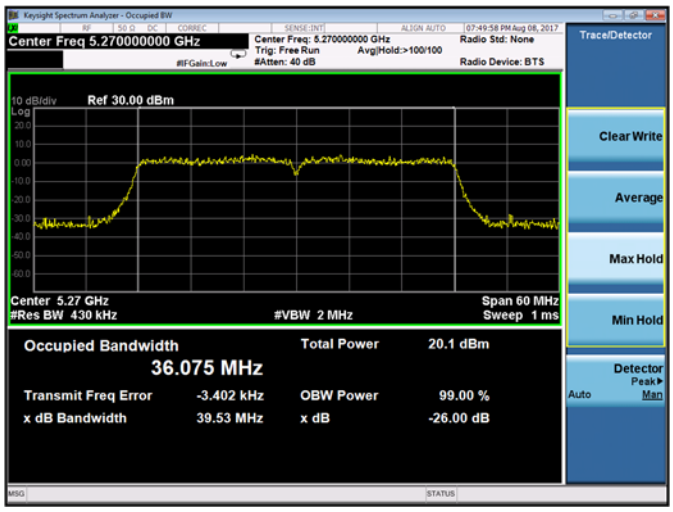
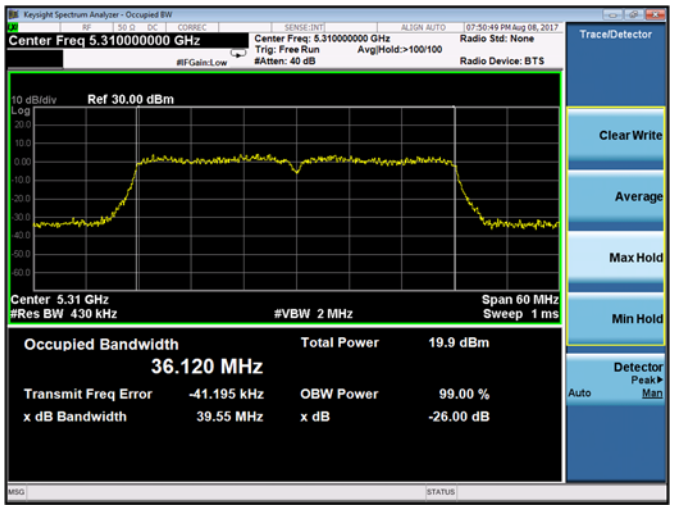
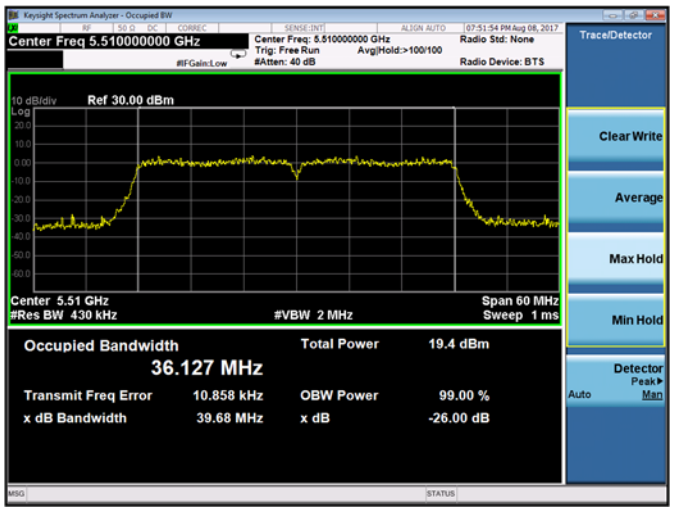


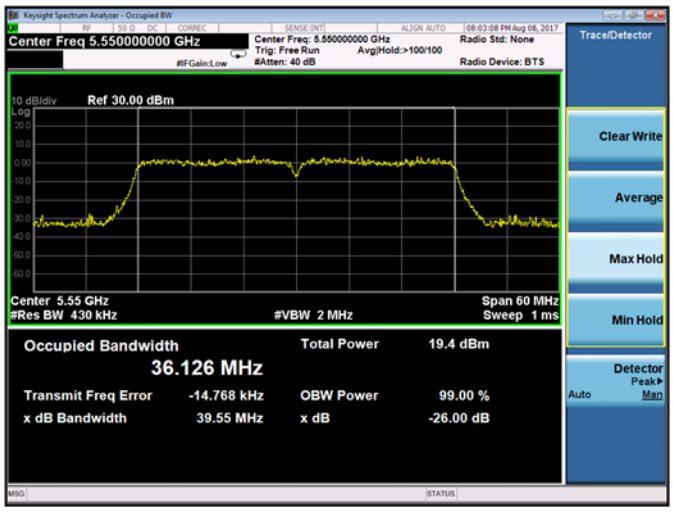
Plot 9-65. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 54)



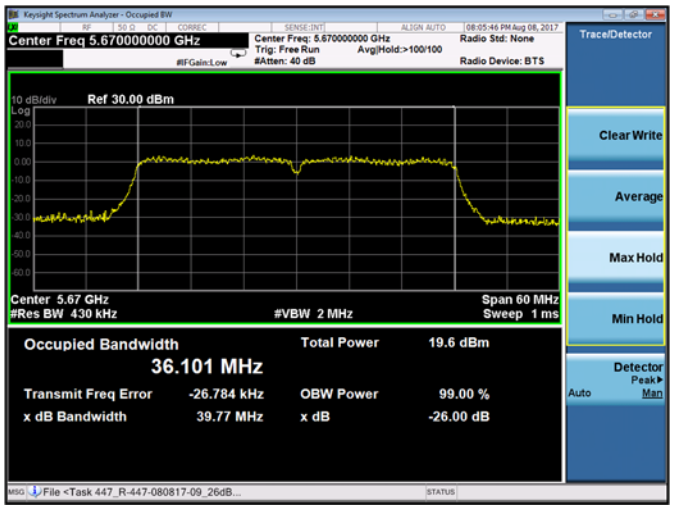
Plot 9-66. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 62)



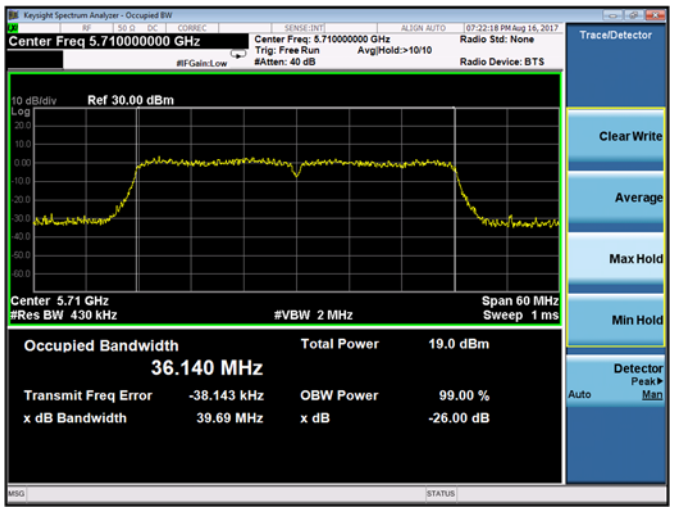
Plot 9-67. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 102)



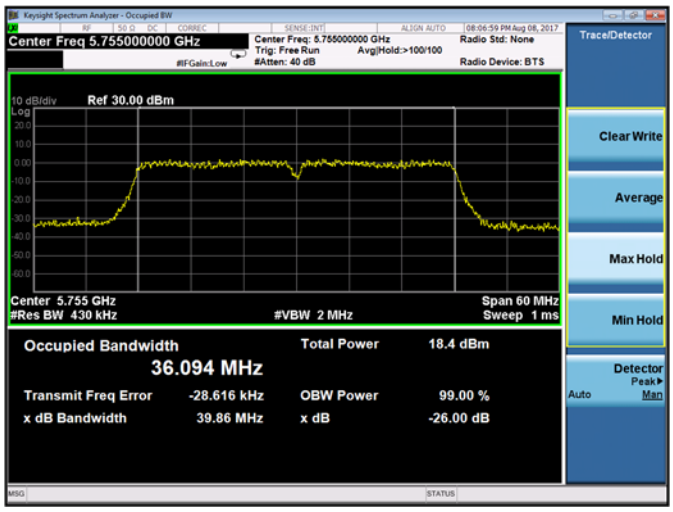
Plot 9-68. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 110)



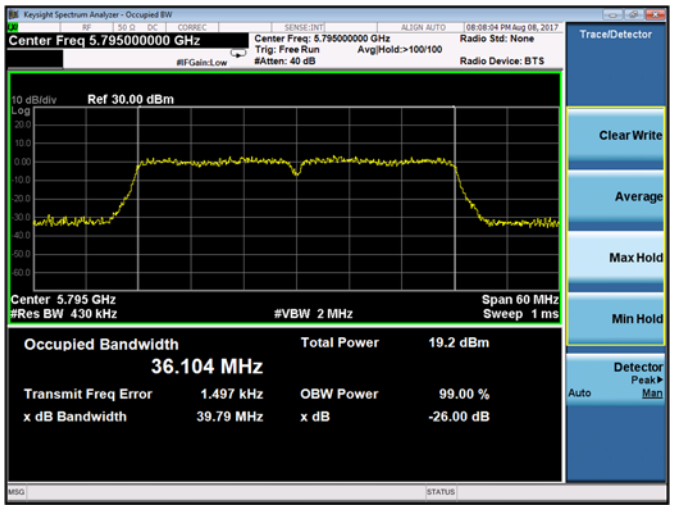
Plot 9-69. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 134)



Plot 9-70. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 142)



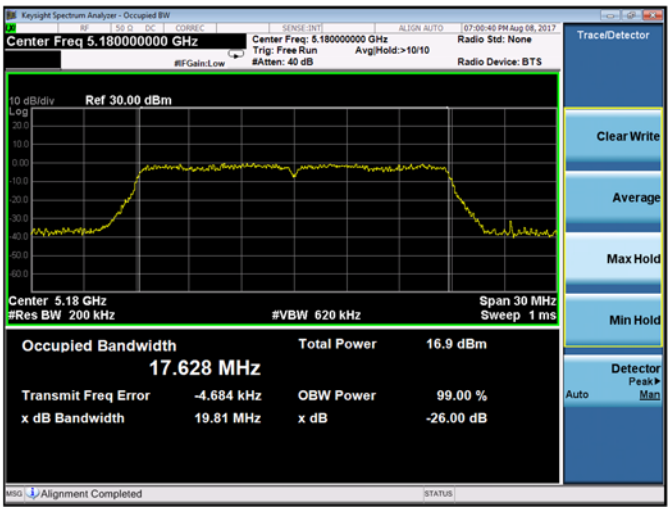
Plot 9-71. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 151)



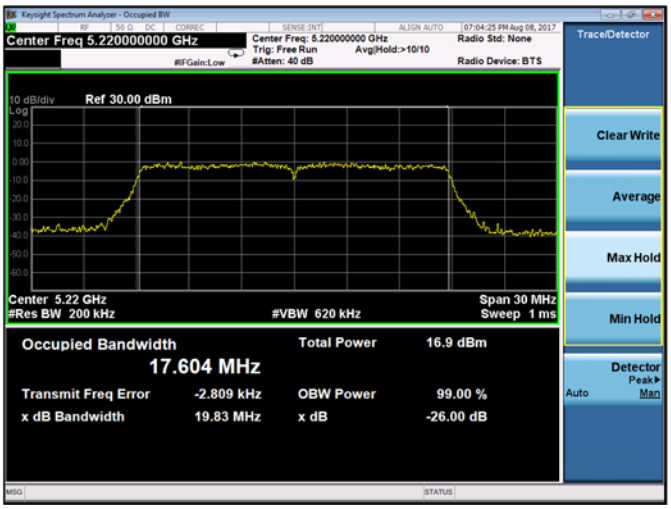
Plot 9-72. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11n HT40 (Ch. 159)

9.2.5.7 Chain A 802.11ac VHT20 26-dB Emission Bandwidth

Chain A 802.11ac VHT 20 26-dB Emission Bandwidth				
Band	**Channel No.**	**Frequency (MHz)**	**26-dB Emission Bandwidth (MHz)**	**99% Occupied BW (MHz)**
UNII-1	36	5180	19.81	17.628
	44	5220	19.83	17.604
	48	5240	19.84	17.598
UNII-2A	52	5260	19.92	17.608
	60	5300	19.88	17.596
	64	5320	19.90	17.594
UNII-2C	100	5500	19.92	17.599
	116	5580	19.78	17.599
	140	5700	19.82	17.606
Straddle	144	5720	19.86	17.600
UNII-3	149	5745	19.82	17.592
	157	5785	19.82	17.580
	165	5825	19.85	17.594

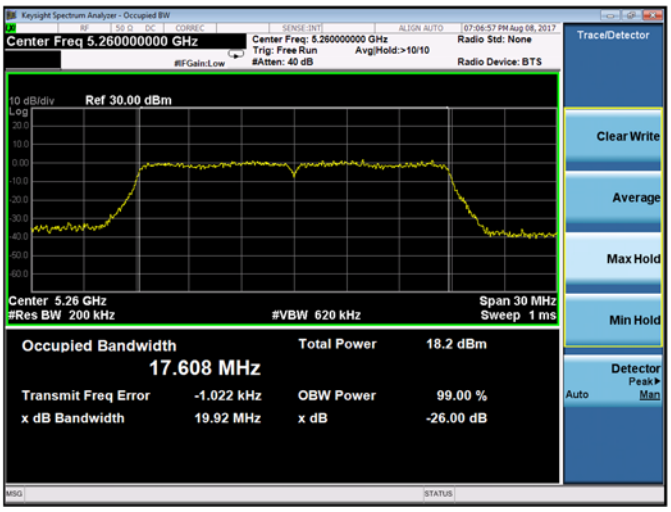


Plot 9-73. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 36)



Plot 9-74. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 44)

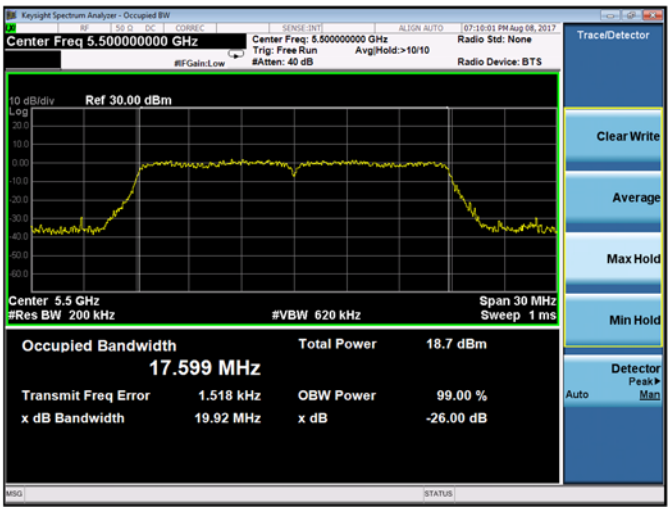
Plot 9-75. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 48)



Plot 9-76. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 52)

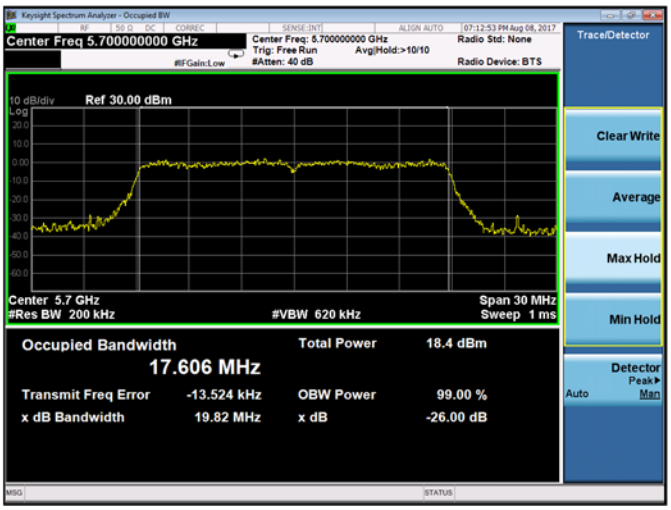
Plot 9-77. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 60)

Plot 9-78. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 64)

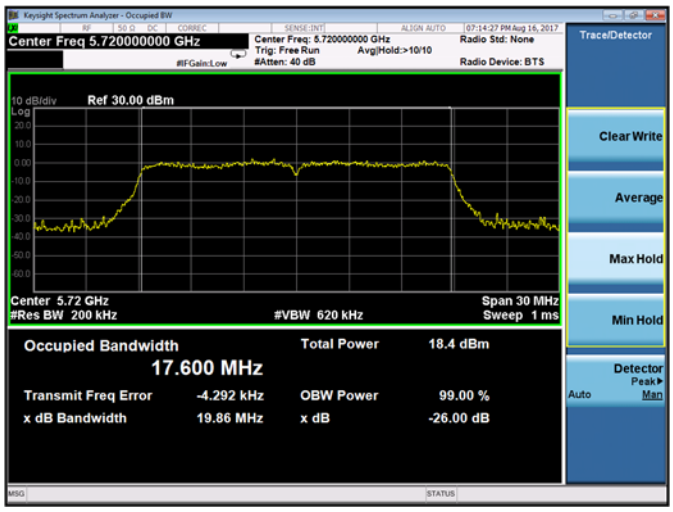


Plot 9-79. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 100)

Plot 9-80. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 116)



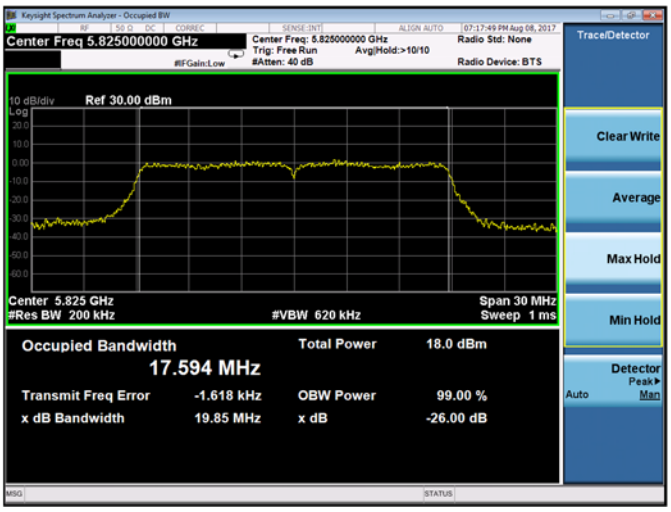
Plot 9-81. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 140)



Plot 9-82. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT (CH.144)

Plot 9-83. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 149)

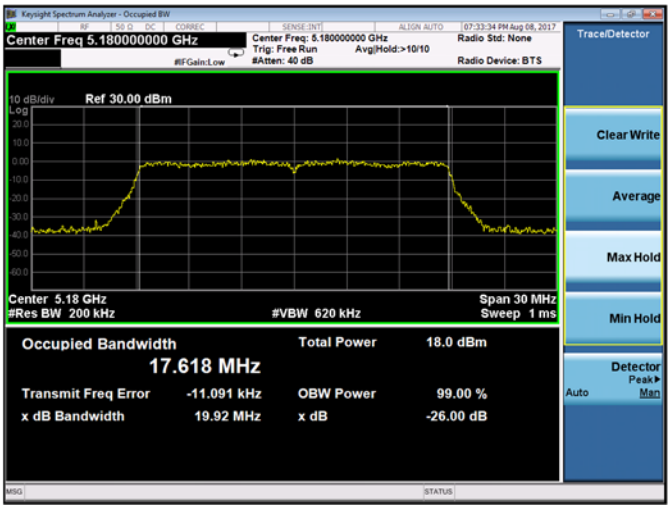
Plot 9-84. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 157)



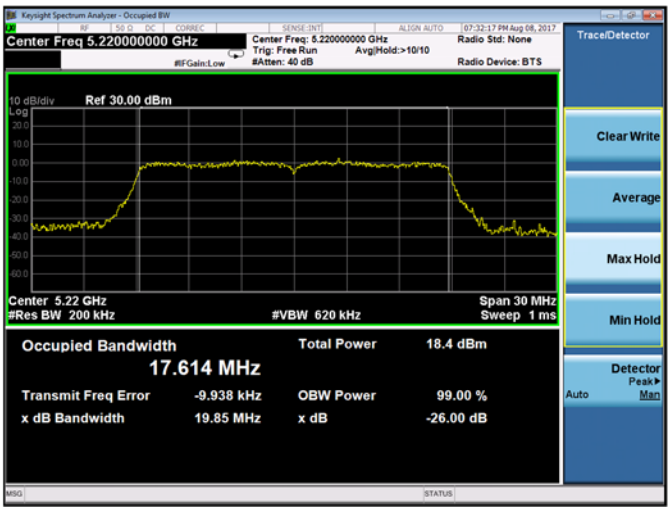
Plot 9-85. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 20 (CH. 165)

9.2.5.8 Chain B 802.11ac VHT20 26-dB Emission Bandwidth

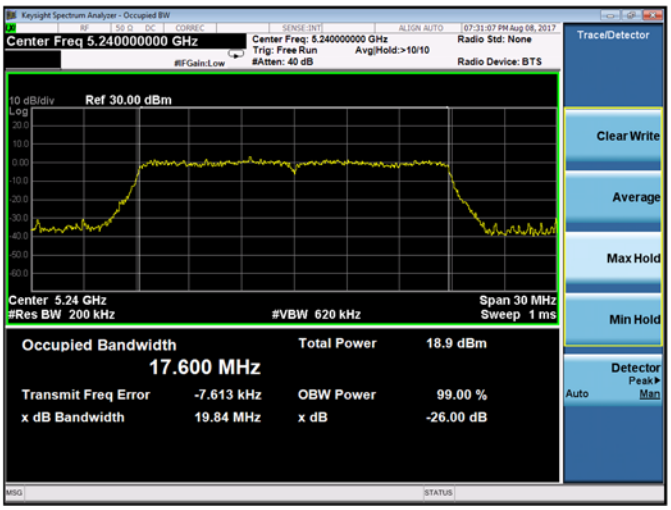
Chain B 802.11ac VHT 20 26-dB Emission Bandwidth				
Band	**Channel No.**	**Frequency (MHz)**	**26-dB Emission Bandwidth (MHz)**	**99% Occupied BW (MHz)**
UNII-1	36	5180	19.92	17.618
	44	5220	19.85	17.614
	48	5240	19.84	17.600
UNII-2A	52	5260	19.82	17.624
	60	5300	19.94	17.631
	64	5320	19.82	17.608
UNII-2C	100	5500	19.75	17.628
	116	5580	19.74	17.620
	140	5700	19.85	17.622
Straddle	144	5720	19.97	17.611
UNII-3	149	5745	19.72	17.615
	157	5785	19.85	17.631
	165	5825	19.84	17.623



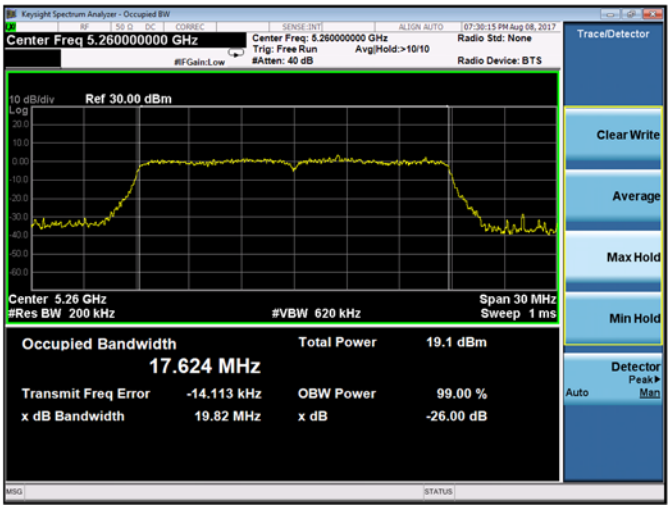
Plot 9-86. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 36)



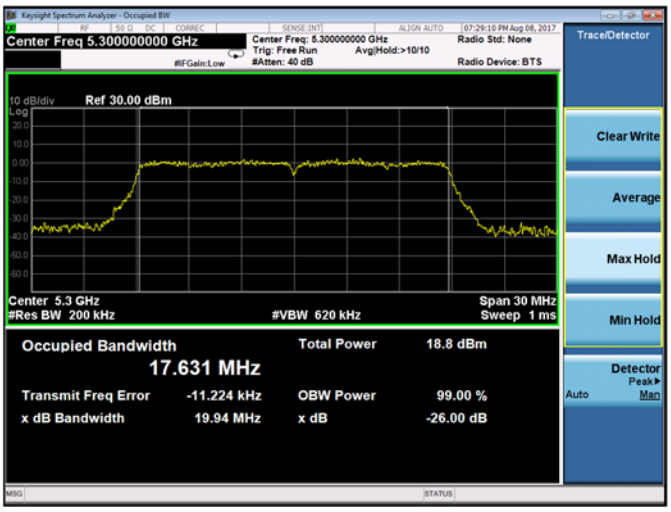
Plot 9-87. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 44)



Plot 9-88. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 48)

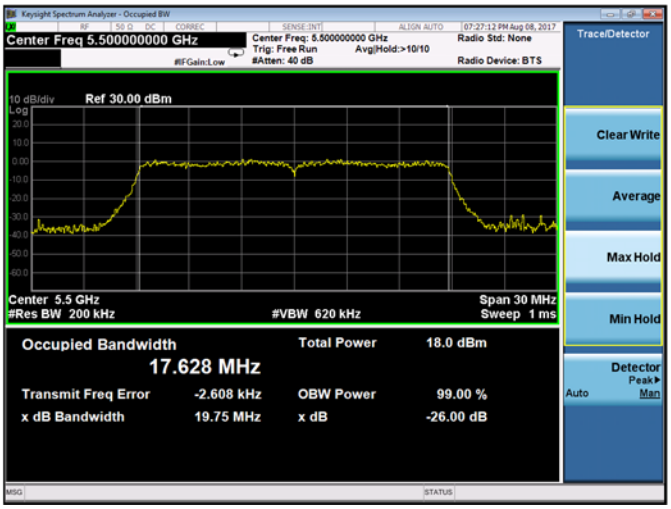


Plot 9-89 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 52)

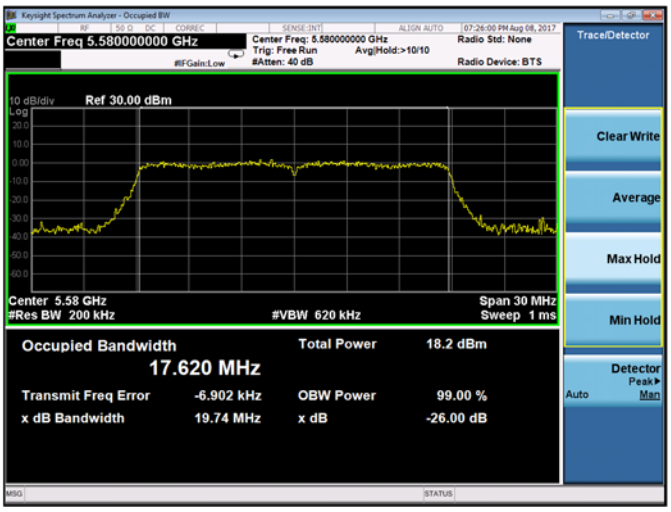


Plot 9-90. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 60)

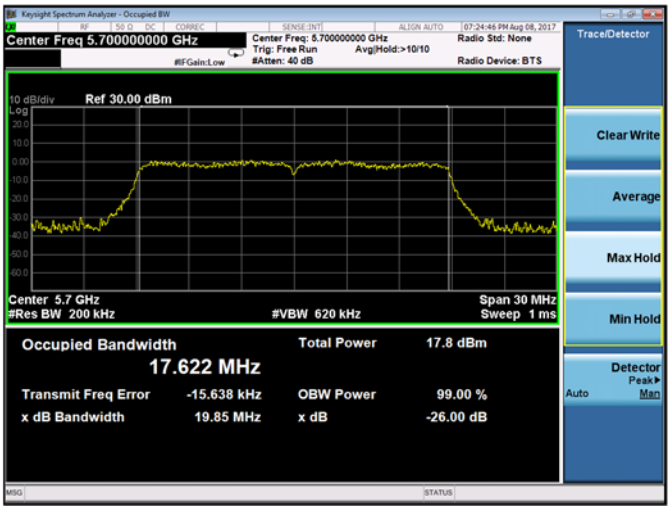
Plot 9-91. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 64)



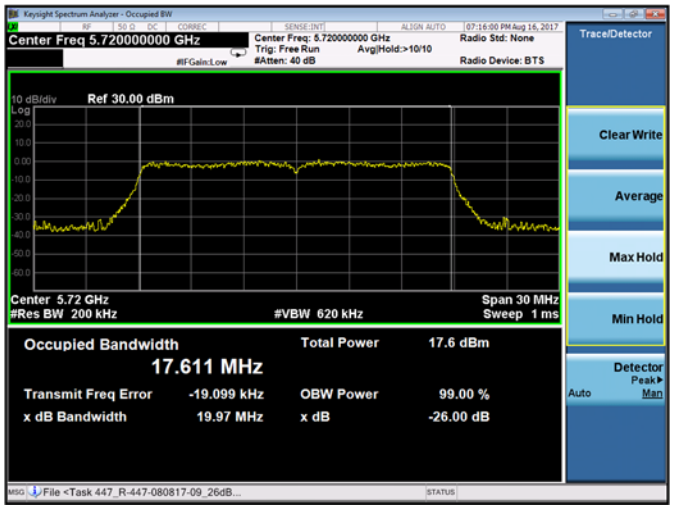
Plot 9-92. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 100)



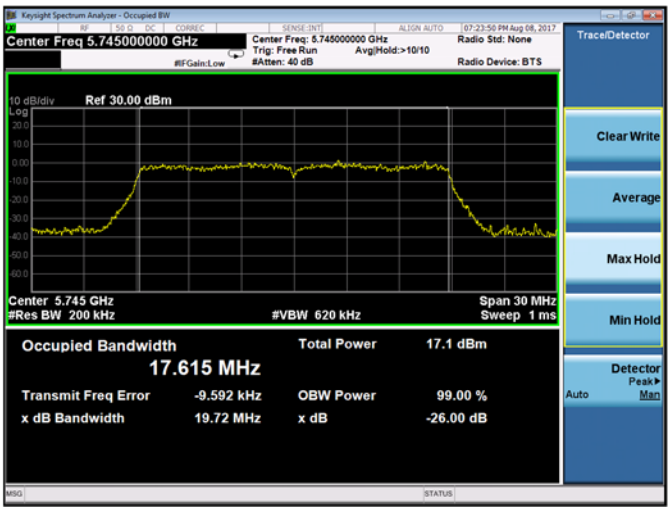
Plot 9-93. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 116)



Plot 9-94. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 140)

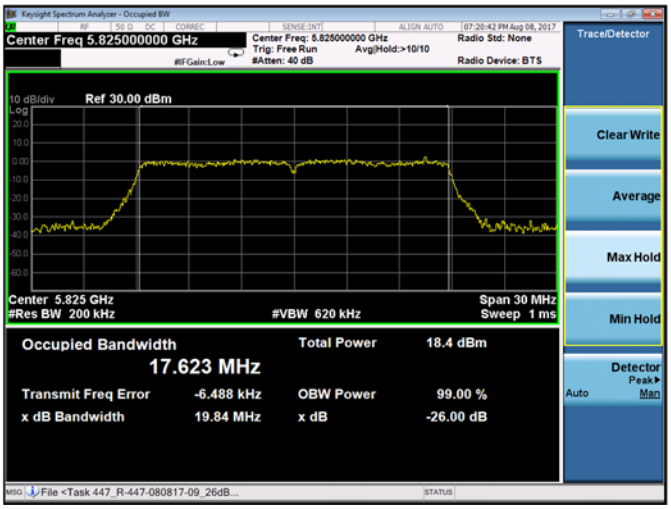


Plot 9-95. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 144)



Plot 9-96. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 149)

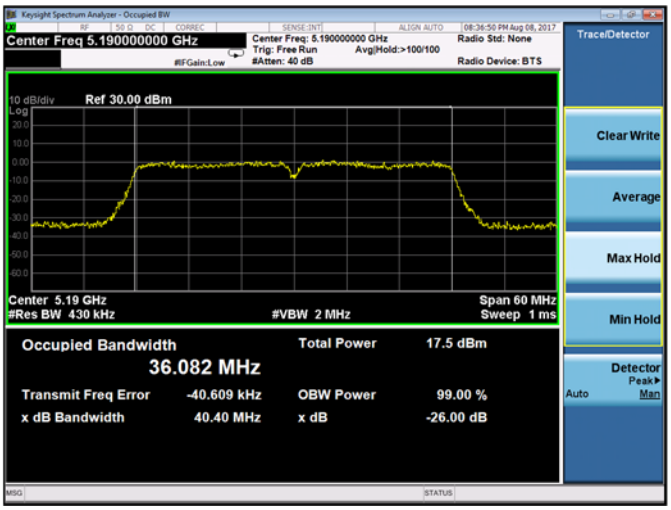
Plot 9-97. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 157)



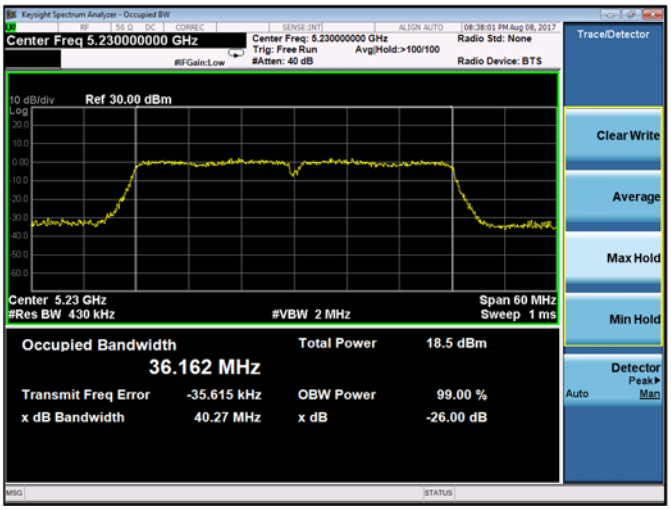
Plot 9-98. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 20 (CH. 165)

9.2.5.9 Chain A 802.11ac VHT40 26-dB Emission Bandwidth

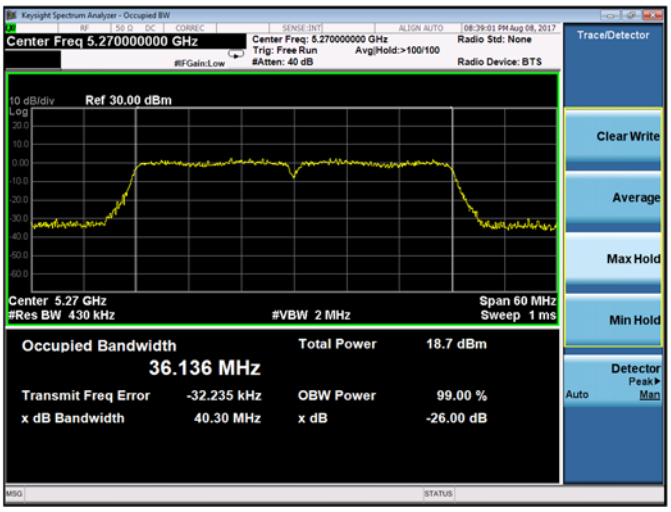
Chain A 802.11ac VHT40 26-dB Emission Bandwidth				
Band	**Channel No.**	**Frequency (MHz)**	**26-dB Emission Bandwidth (MHz)**	**99% Occupied BW (MHz)**
UNII-1	38	5190	40.40	36.082
	46	5230	40.27	36.162
UNII-2A	54	5270	40.30	36.136
	62	5310	40.17	36.110
UNII-2C	102	5510	39.87	36.126
	110	5550	40.42	36.113
	134	5670	40.06	36.109
Straddle	142	5710	40.49	36.103
UNII-3	151	5755	40.70	36.127
	159	5795	40.13	36.106



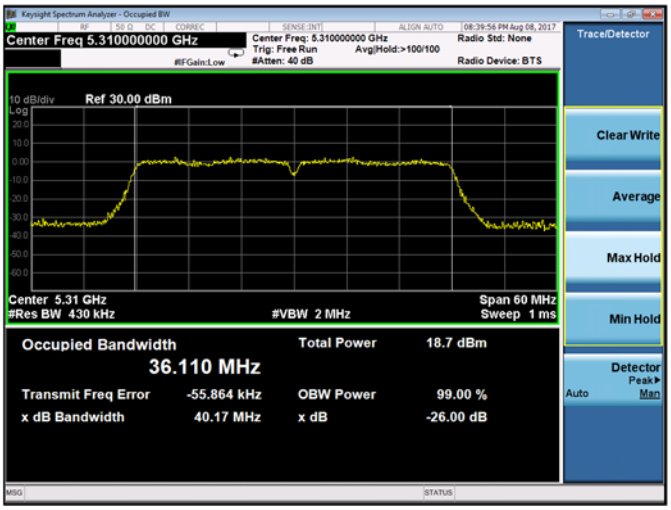
Plot 9-99. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 38)



Plot 9-100. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 46)

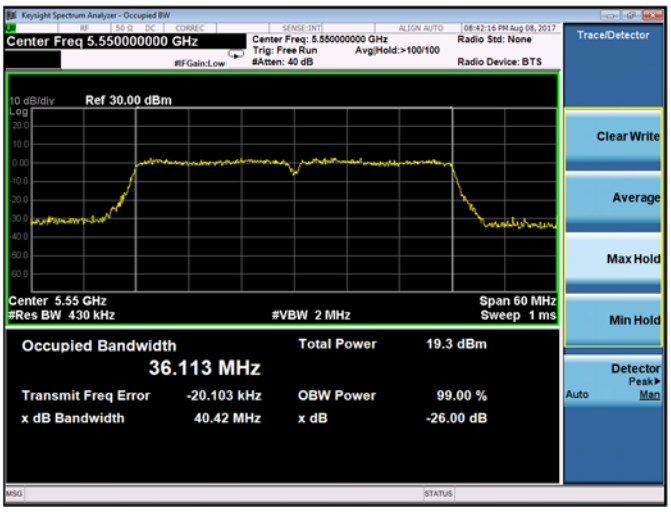


Plot 9-101. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 54)

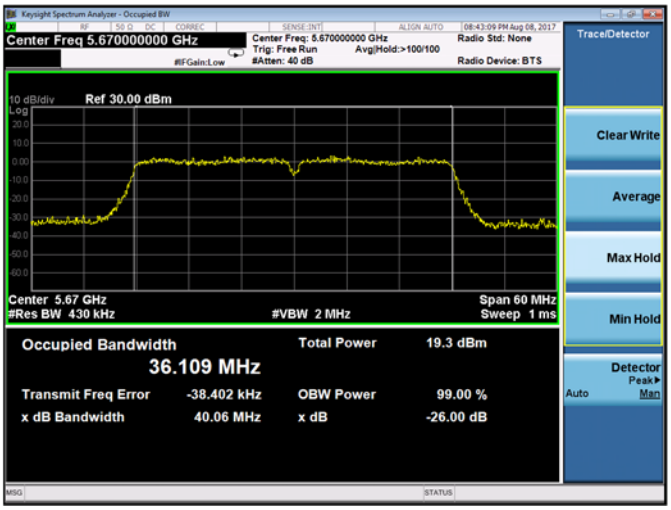


Plot 9-102. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 62)

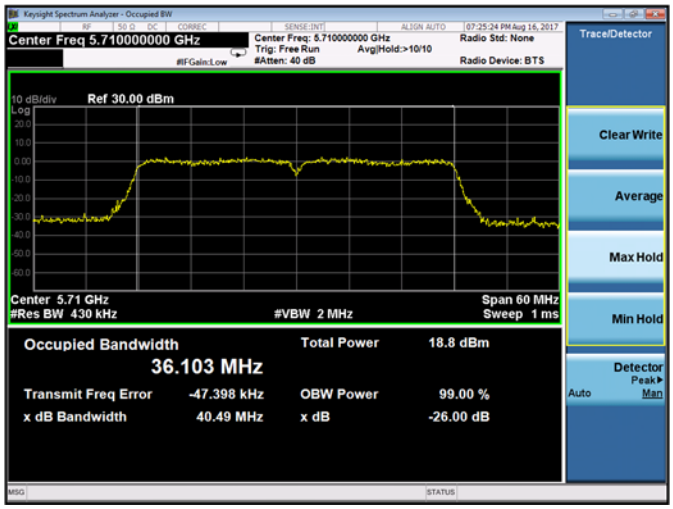
Plot 9-103. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 102)



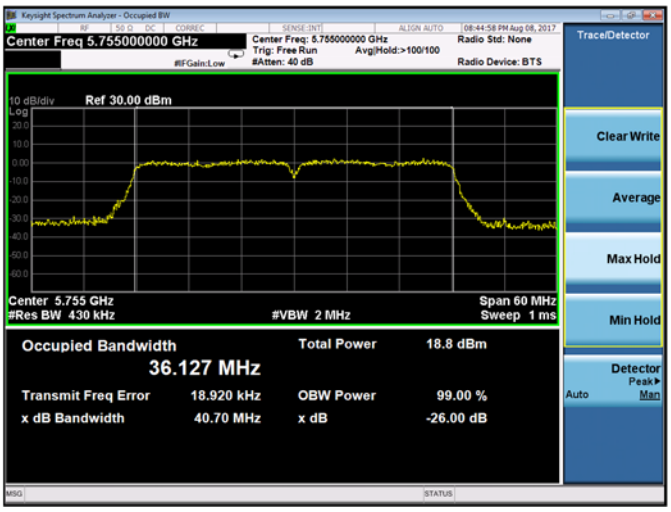
Plot 9-104. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 110)



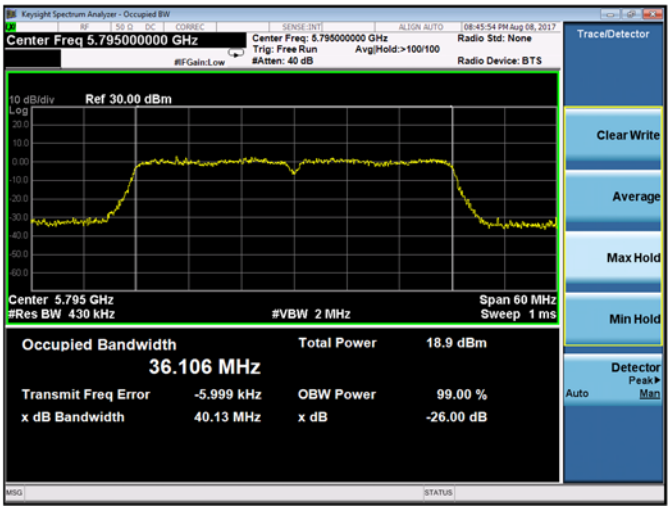
Plot 9-105. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 134)



Plot 9-106. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 142)



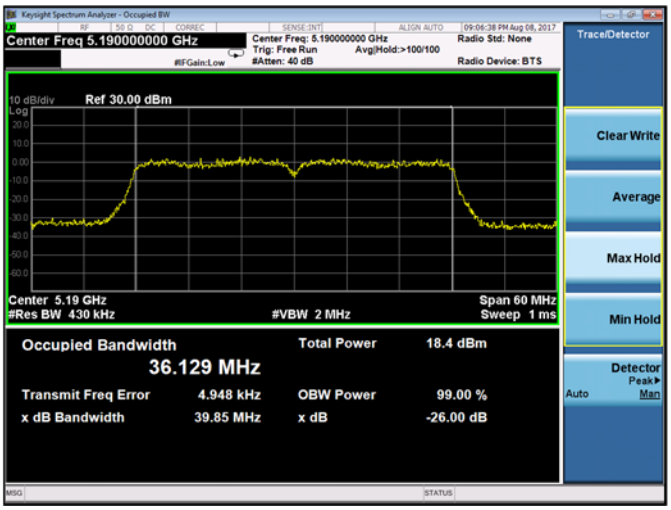
Plot 9-107. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 151)



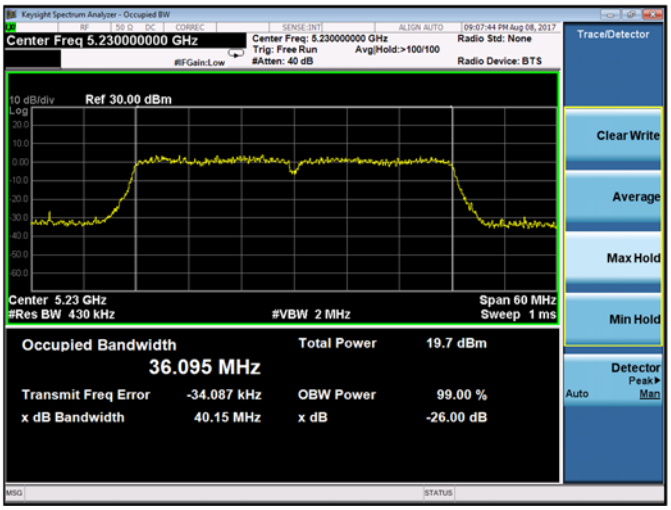
Plot 9-108. 26dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT 40 (CH. 159)

9.2.5.10 Chain B 802.11ac VHT40 26-dB Emission Bandwidth

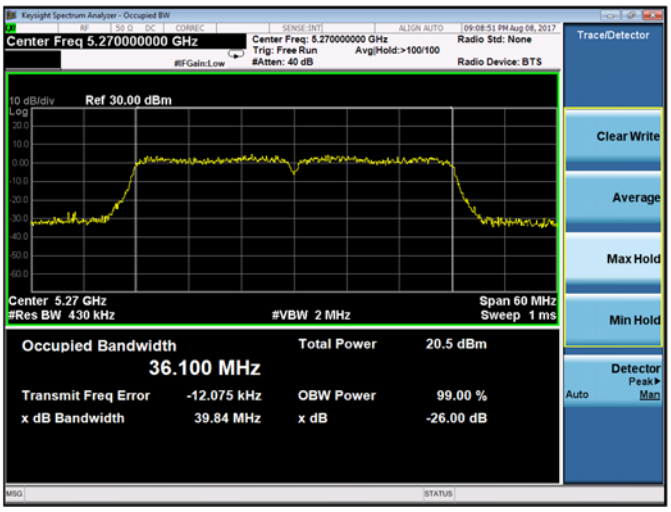
Chain b 802.11ac vHT40 26-dB Emission Bandwidth				
Band	**Channel No.**	**Frequency (MHz)**	**26-dB Emission Bandwidth (MHz)**	**99% Occupied BW (MHz)**
UNII-1	38	5190	39.85	36.129
	46	5230	40.15	36.095
UNII-2A	54	5270	39.84	36.100
	62	5310	39.87	36.110
UNII-2C	102	5510	40.04	36.066
	110	5550	39.85	36.109
	134	5670	39.88	36.084
Straddle	142	5710	40.06	36.078
UNII-3	151	5755	40.08	36.060
	159	5795	39.74	36.110



Plot 9-109. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40 (CH. 38)

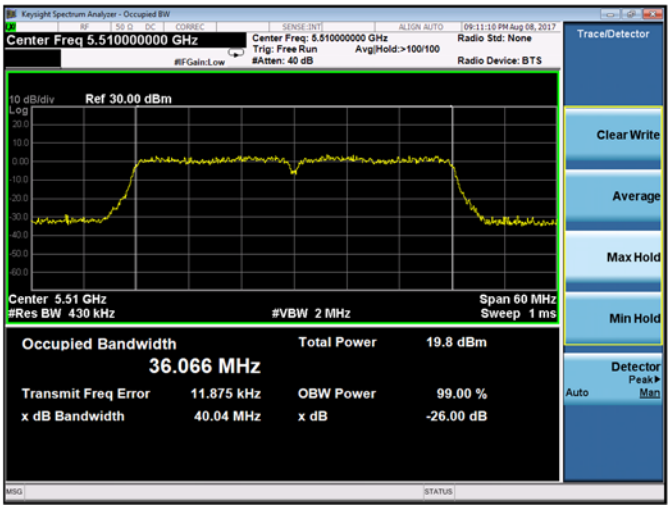


Plot 9-110. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40 (CH. 46)

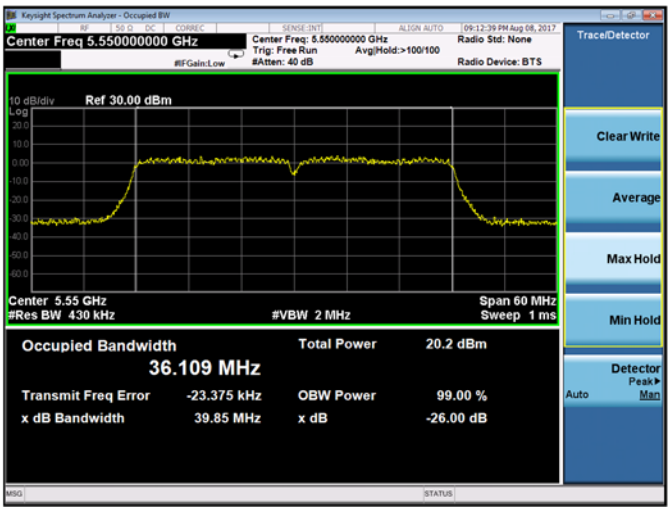


Plot 9-111. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40 (CH. 54)

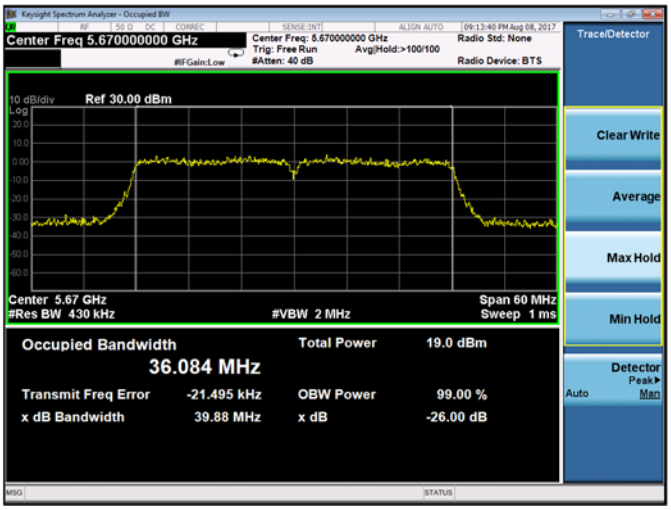
Plot 9-112. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40 (CH. 62)



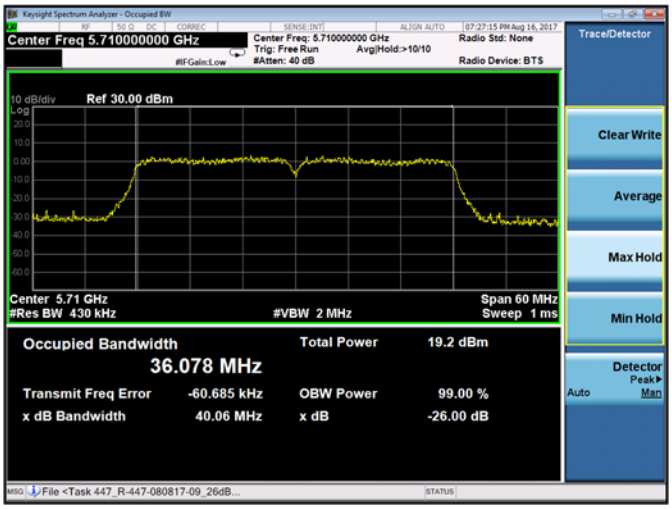
Plot 9-113. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40(CH.102)



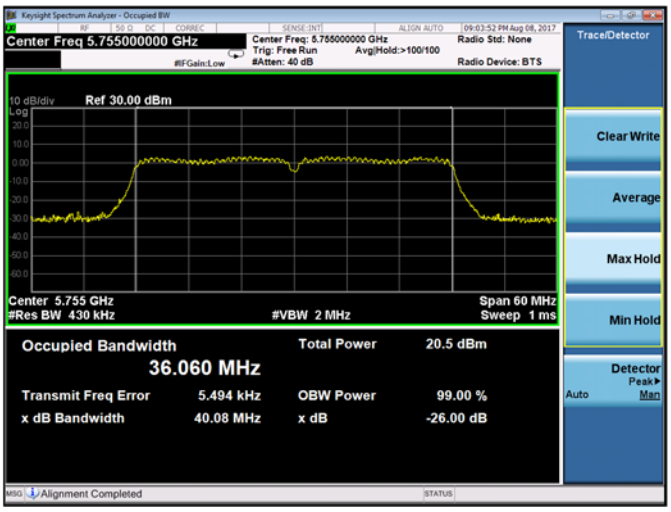
Plot 9-114. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40(CH.110)



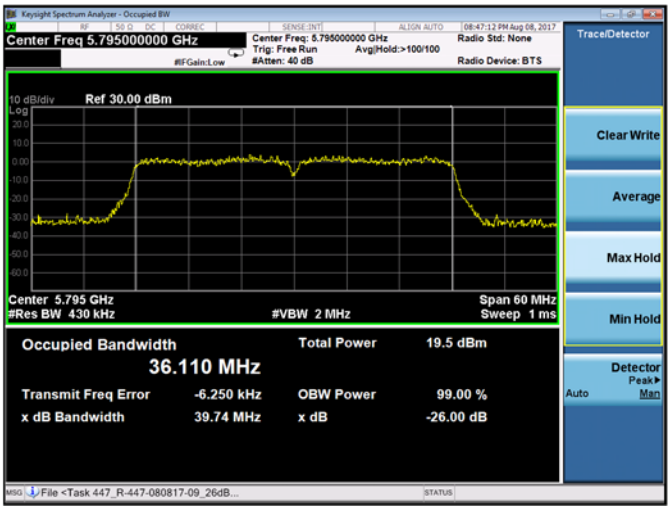
Plot 9-115. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40(CH.134)



Plot 9-116. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40(CH.142)



Plot 9-117. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40(CH.151)



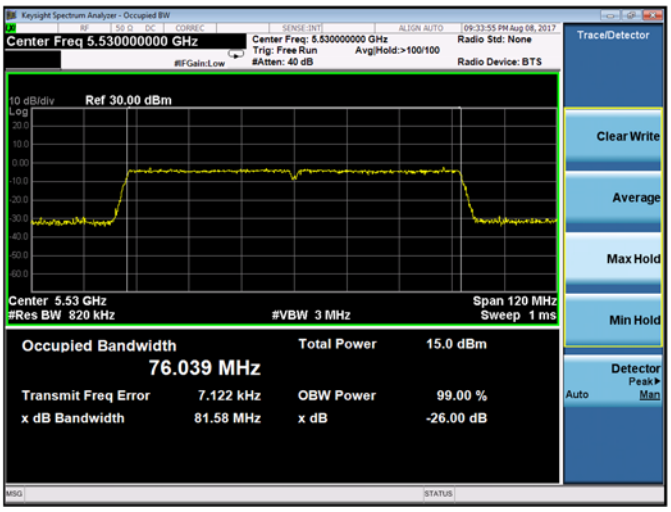
Plot 9-118. 26dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT 40(CH.159)

9.2.5.11 Chain A 802.11ac VHT80 26-dB Emission Bandwidth

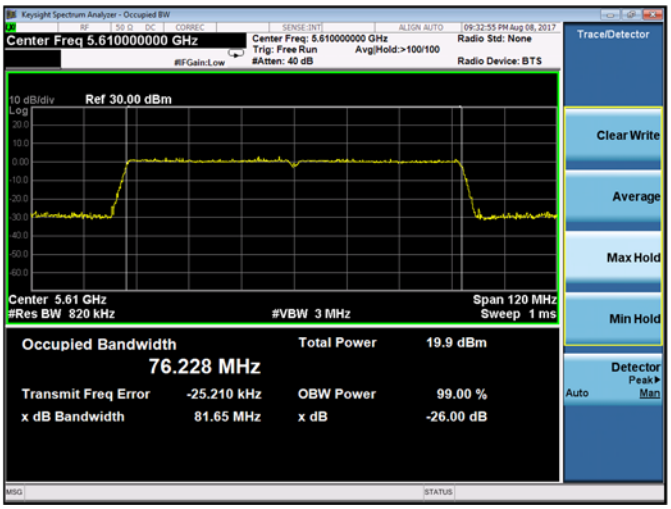
Chain A 802.11ac VHT80 26-dB Emission Bandwidth				
Band	**Channel No.**	**Frequency (MHz)**	**26-dB Emission Bandwidth (MHz)**	**99% Occupied BW (MHz)**
UNII-1	42	5210	81.74	76.262
UNII-2A	58	5290	81.57	76.124
UNII-2C	106	5530	81.58	76.039
	122	5610	81.65	76.228
Straddle	138	5690	81.35	75.918
UNII-3	155	5775	81.58	76.04

Plot 9-119. 26-dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT80 (Ch. 42)

Plot 9-120. 26-dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT80 (Ch. 58)

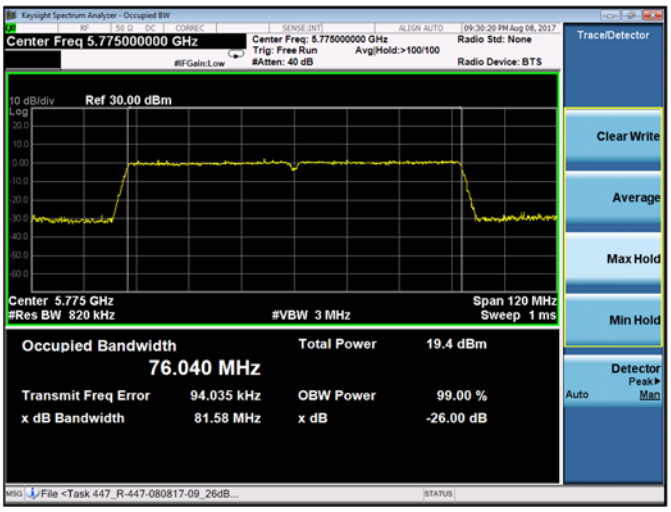


Plot 9-121. 26-dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT80 (Ch. 106)



Plot 9-122. 26-dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT80 (Ch. 122)

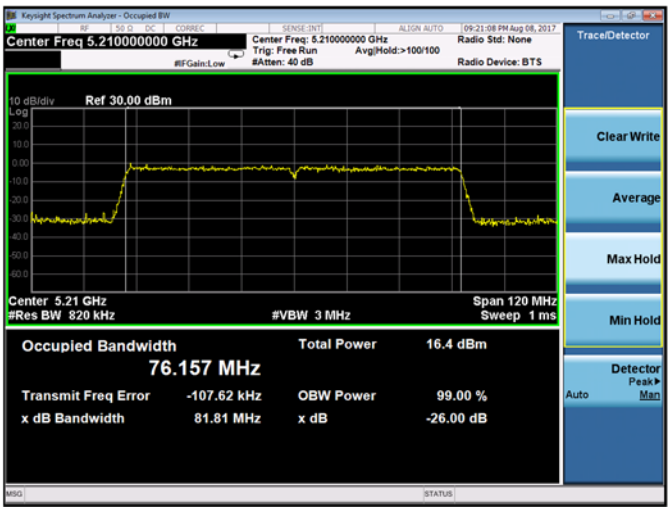
Plot 9-123. 26-dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT80 (Ch. 138)



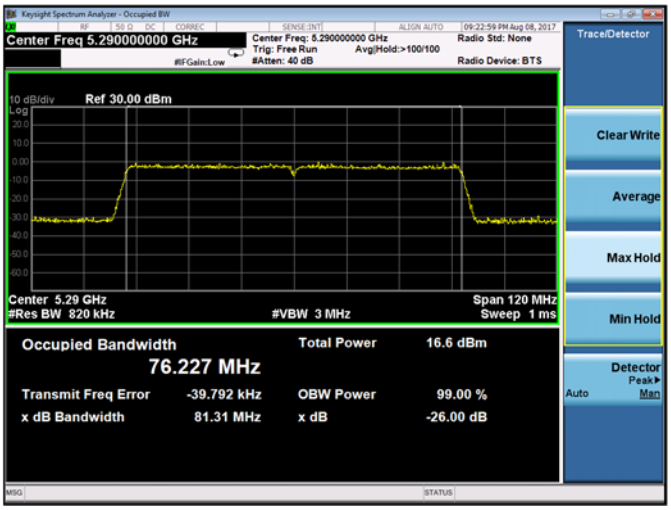
Plot 9-124. 26-dB Emission Bandwidth and 99% OBW Chain A 802.11ac VHT80 (Ch. 155)

9.2.5.12 Chain B 802.11ac VHT80 26-dB Emission Bandwidth

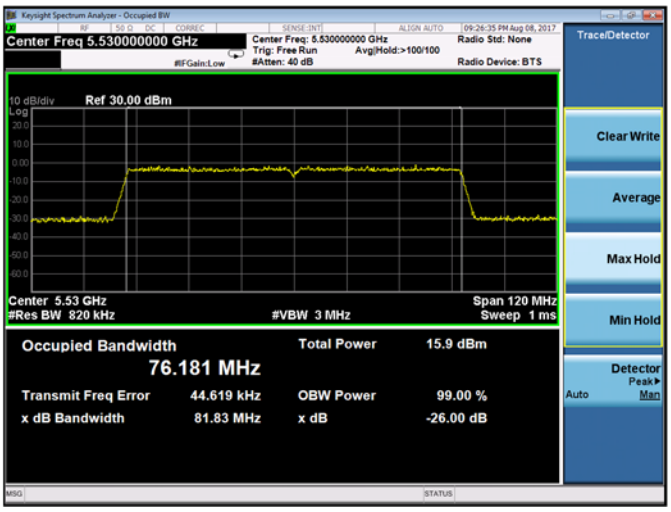
Chain B 802.11ac VHT80 26-dB Emission Bandwidth				
Band	**Channel No.**	**Frequency (MHz)**	**26-dB Emission Bandwidth (MHz)**	**99% Occupied BW (MHz)**
UNII-1	42	5210	81.81	76.157
UNII-2A	58	5290	81.31	76.227
UNII-2C	106	5530	81.83	76.181
	122	5610	81.03	76.064
Straddle	138	5690	81.00	75.992
UNII-3	155	5775	81.22	76.158



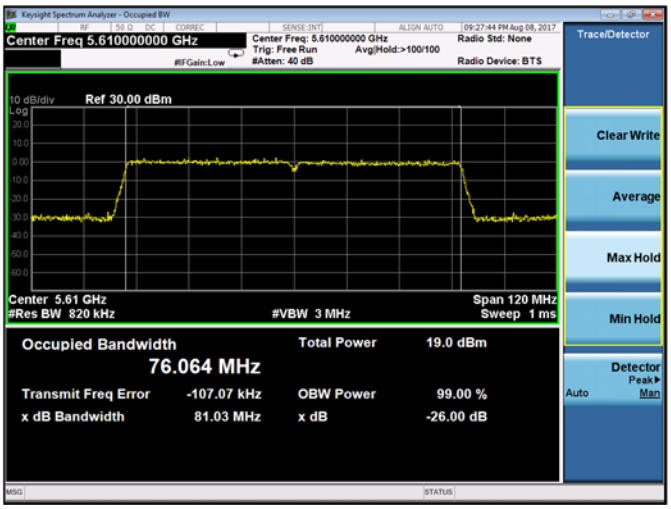
Plot 9-125. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT80 (Ch. 42)



Plot 9-126. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT80 (Ch. 58)

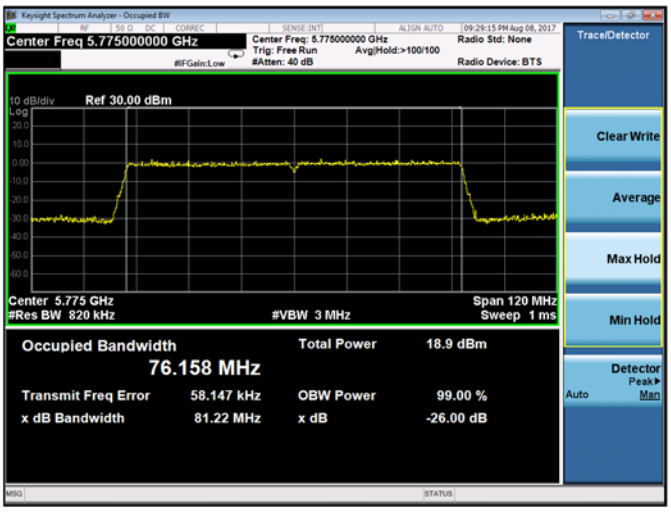


Plot 9-127. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT80 (Ch. 106)



Plot 9-128. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT80 (Ch. 122)

Plot 9-129. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT80 (Ch. 138)



Plot 9-130. 26-dB Emission Bandwidth and 99% OBW Chain B 802.11ac VHT80 (Ch. 155)

9.3 6-dB Bandwidth

9.3.1 Test Requirement:

FCC CFR 47 Rule Part 15.407 (e)
ISED RSS-247 [6.2.4]

9.3.2 Test Method:

Measurements were performed according to the procedures defined in KDB 789033- General UNII Test Procedures New Rules v01r03 and ANSI C63.10:2013.

Spectrum Analyzer settings:

RBW = 100 kHz
VBW ≥ 3xRBW
Trace Mode= Peak Detector (Max Hold)
Sweep time= Auto
The in-built functionality of the Spectrum Analyzer is used to measure the 6-dB bandwidth.

9.3.3 Limits:

The 6-dB Bandwidth shall be ≥ 500 kHz.

9.3.4 Test Results:

Pass