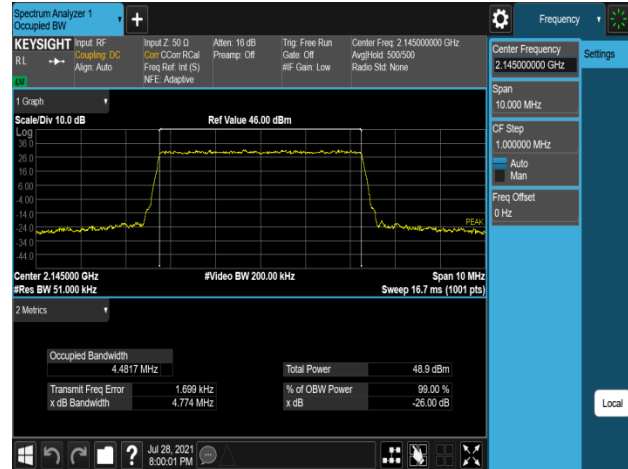
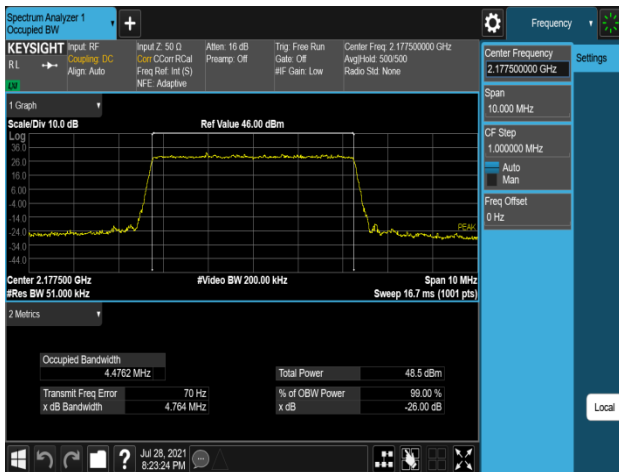


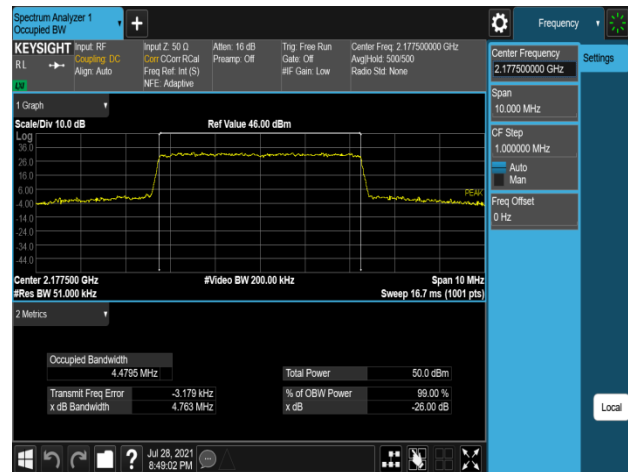
Plot 7-115. Occupied Bandwidth Plot  
(B66\_5M\_1C\_64QAM - Mid Channel, Port 3)



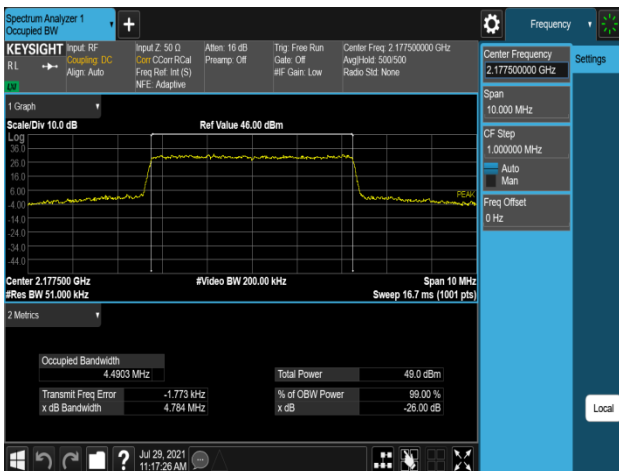
Plot 7-116. Occupied Bandwidth Plot  
(B66\_5M\_1C\_256QAM - Mid Channel, Port 0)



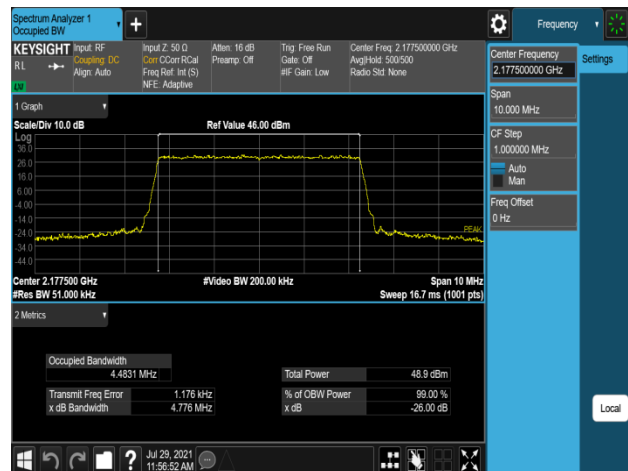
Plot 7-117. Occupied Bandwidth Plot  
(B66\_5M\_1C\_QPSK - High Channel, Port 2)





Plot 7-118. Occupied Bandwidth Plot  
(B66\_5M\_1C\_16QAM - High Channel, Port 2)

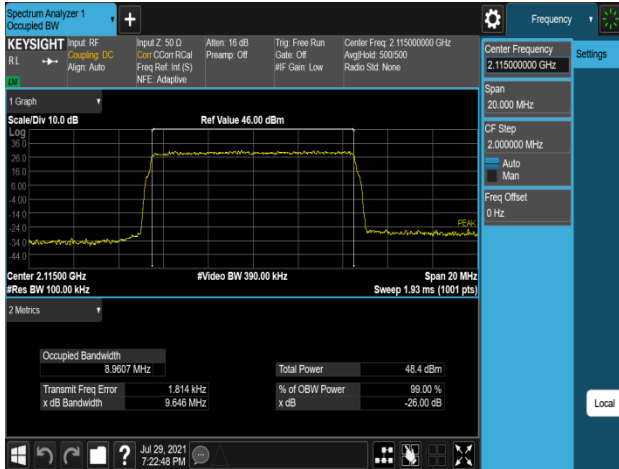


Plot 7-119. Occupied Bandwidth Plot  
(B66\_5M\_1C\_64QAM - High Channel, Port 0)

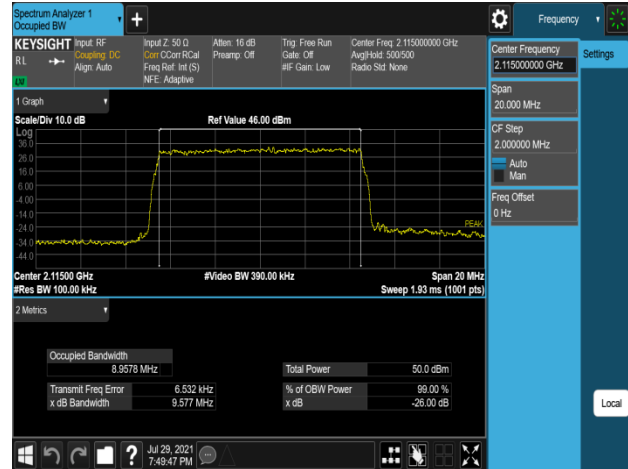


Plot 7-120. Occupied Bandwidth Plot  
(B66\_5M\_1C\_256QAM - High Channel, Port 0)

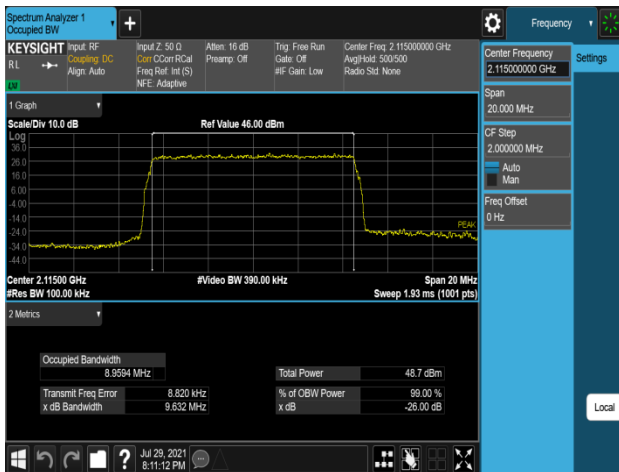
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-121. Occupied Bandwidth Plot  
(B66\_10M\_1C\_QPSK - Low Channel, Port 1)



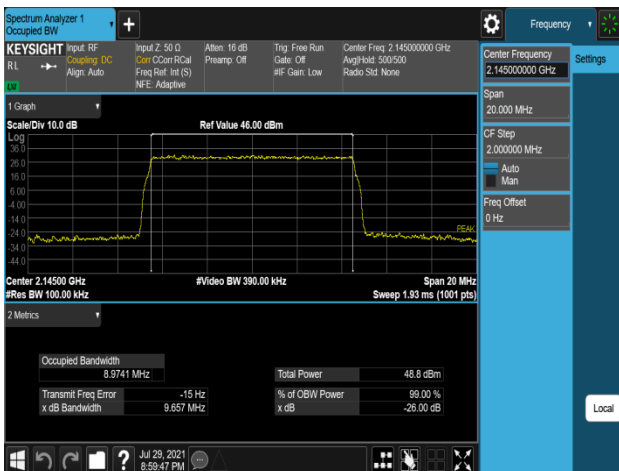
Plot 7-122. Occupied Bandwidth Plot  
(B66\_10M\_1C\_16QAM - Low Channel, Port 3)



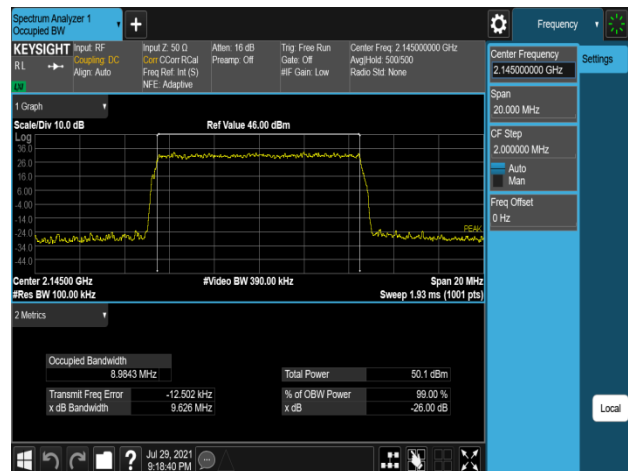
Plot 7-123. Occupied Bandwidth Plot  
(B66\_10M\_1C\_64QAM - Low Channel, Port 1)



Plot 7-124. Occupied Bandwidth Plot  
(B66\_10M\_1C\_256QAM - Low Channel, Port 2)

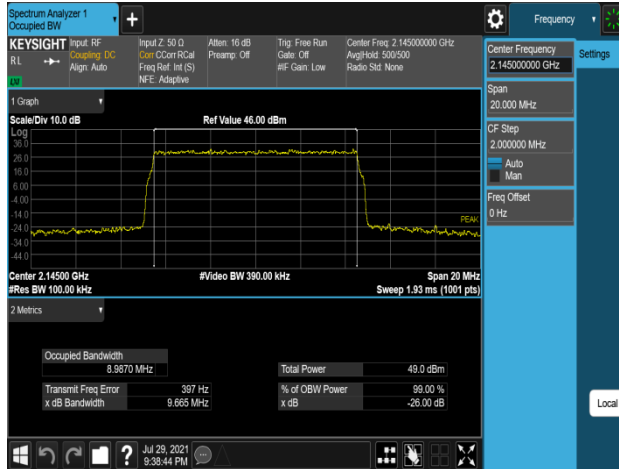


Plot 7-125. Occupied Bandwidth Plot  
(B66\_10M\_1C\_QPSK - Mid Channel, Port 3)

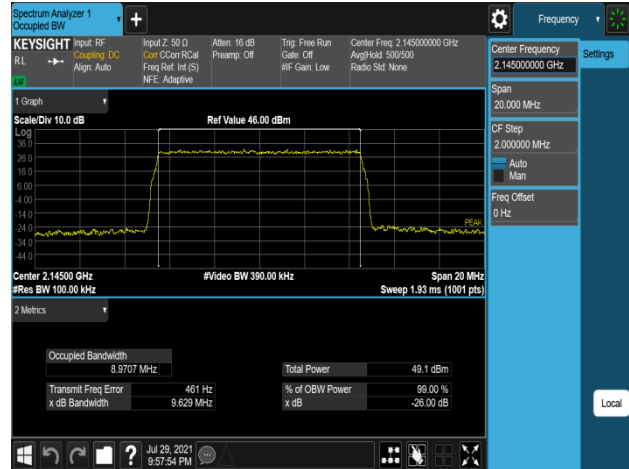


Plot 7-126. Occupied Bandwidth Plot  
(B66\_10M\_1C\_16QAM - Mid Channel, Port 1)

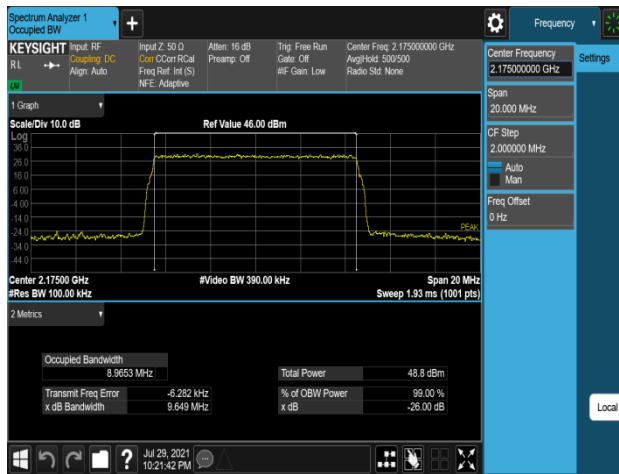
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 44 of 420



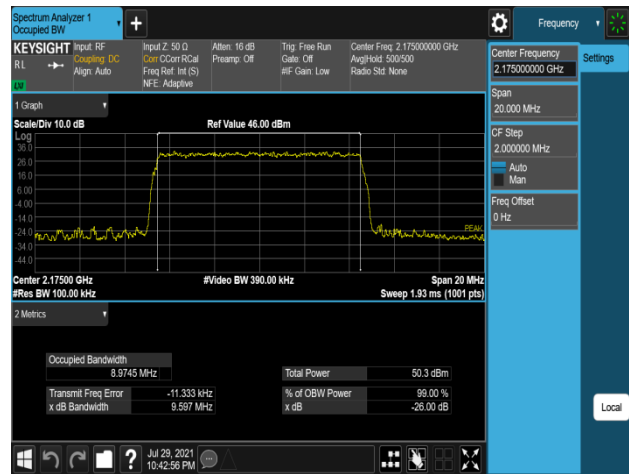
Plot 7-127. Occupied Bandwidth Plot (B66\_10M\_1C\_64QAM - Mid Channel, Port 3)



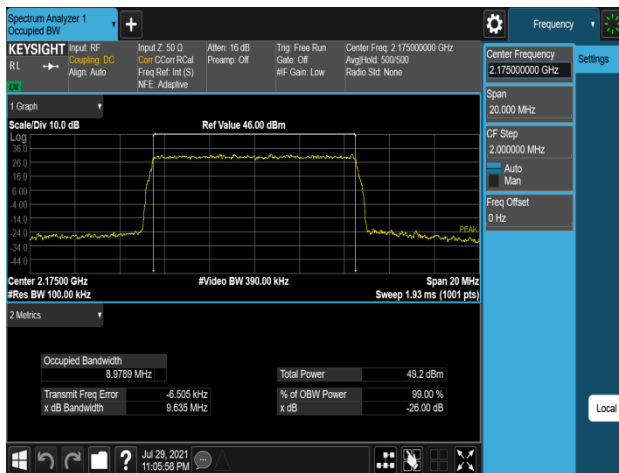
Plot 7-128. Occupied Bandwidth Plot (B66\_10M\_1C\_256QAM - Mid Channel, Port 2)



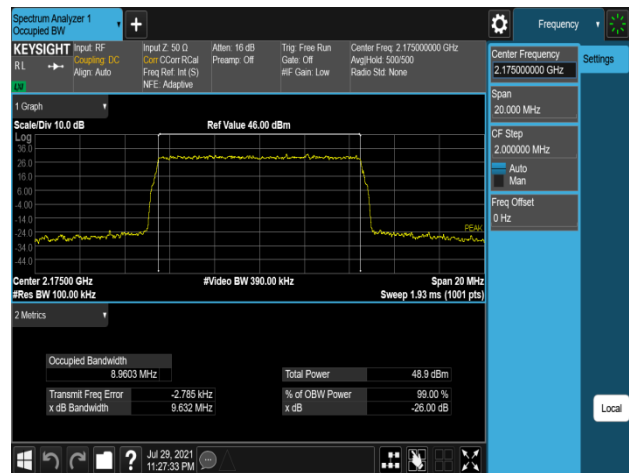
Plot 7-129. Occupied Bandwidth Plot (B66\_10M\_1C\_QPSK - High Channel, Port 3)



Plot 7-130. Occupied Bandwidth Plot (B66\_10M\_1C\_16QAM - High Channel, Port 0)

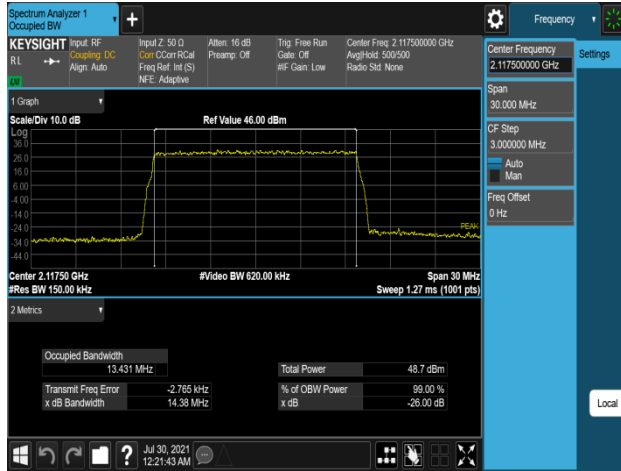


Plot 7-131. Occupied Bandwidth Plot (B66\_10M\_1C\_64QAM - High Channel, Port 3)

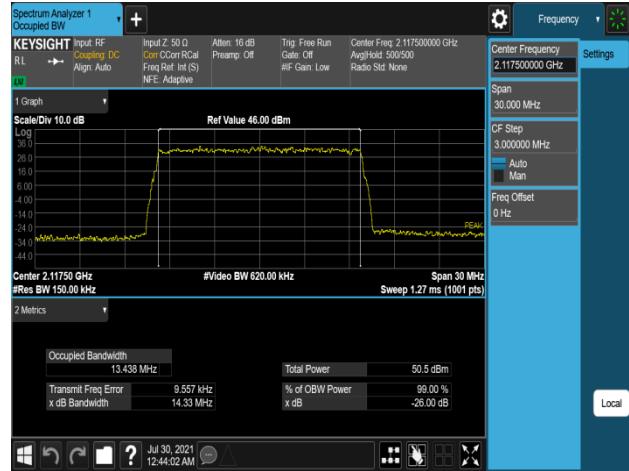


Plot 7-132. Occupied Bandwidth Plot (B66\_10M\_1C\_256QAM - High Channel, Port 1)

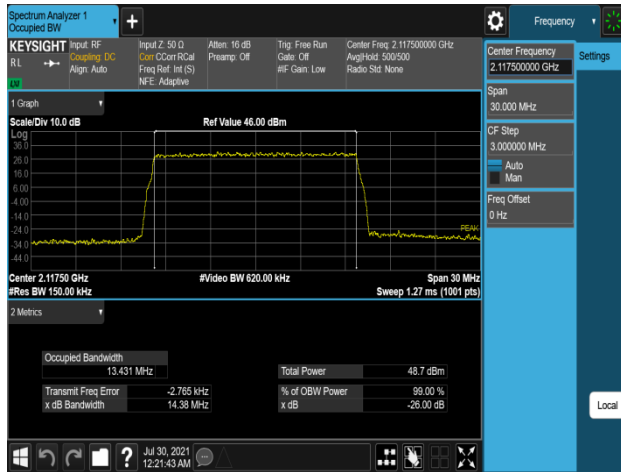
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 45 of 420



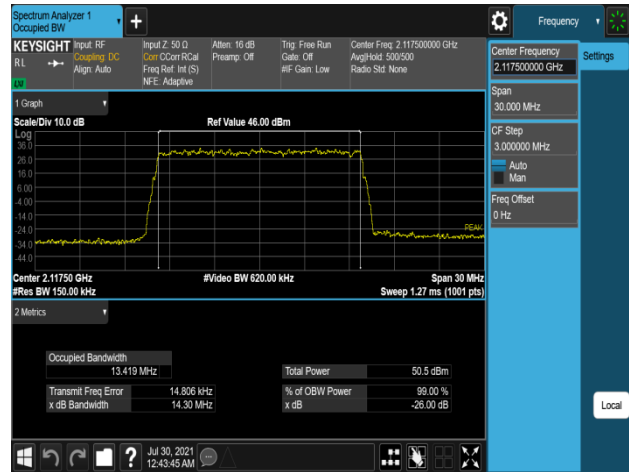
Plot 7-133. Occupied Bandwidth Plot  
(B66\_15M\_1C\_QPSK - Low Channel, Port 1)



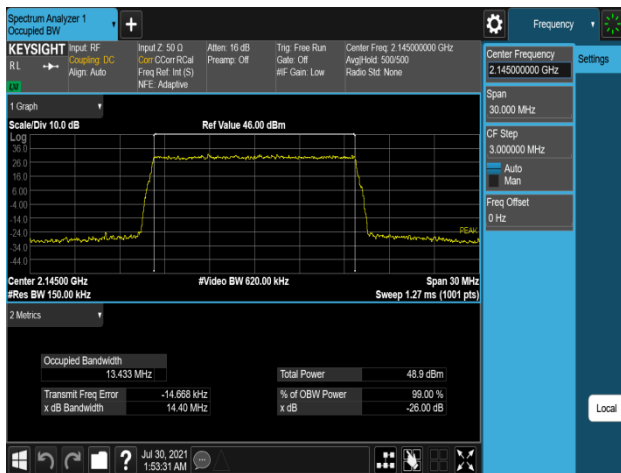
Plot 7-134. Occupied Bandwidth Plot  
(B66\_15M\_1C\_16QAM - Low Channel, Port 2)



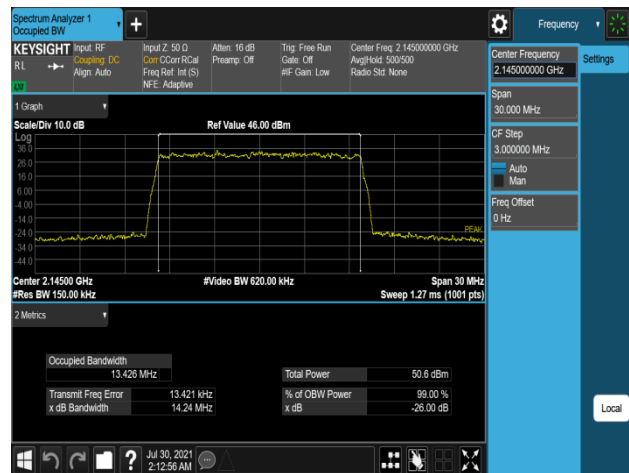
Plot 7-135. Occupied Bandwidth Plot  
(B66\_15M\_1C\_QPSK - Low Channel, Port 1)



Plot 7-136. Occupied Bandwidth Plot  
(B66\_15M\_1C\_16QAM - Low Channel, Port 1)

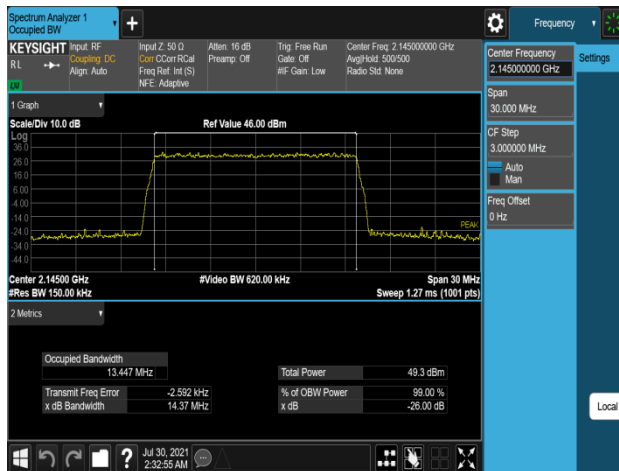


Plot 7-137. Occupied Bandwidth Plot  
(B66\_15M\_1C\_QPSK - Mid Channel, Port 0)

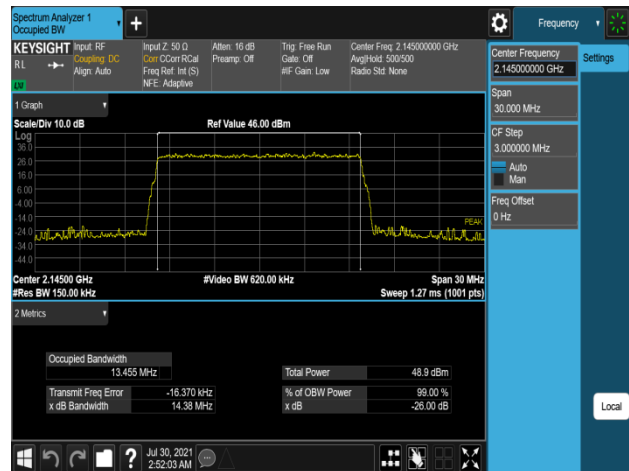


Plot 7-138. Occupied Bandwidth Plot  
(B66\_15M\_1C\_16QAM - Mid Channel, Port 0)

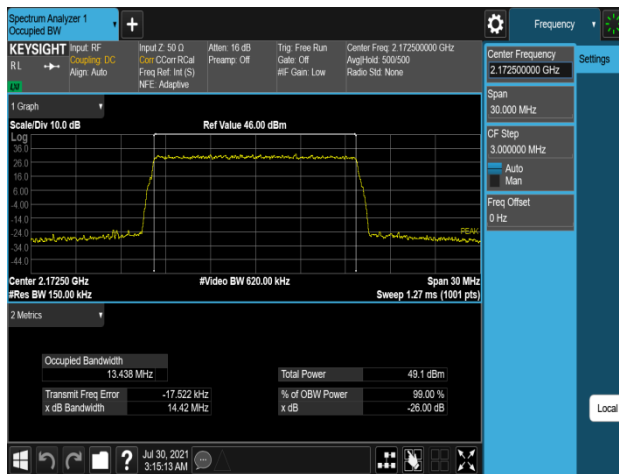
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 46 of 420



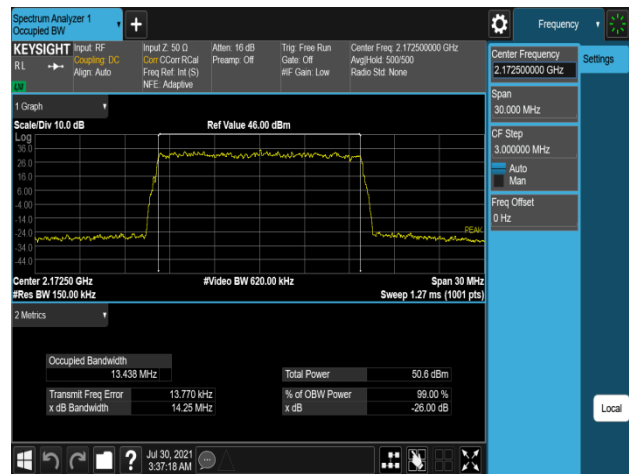
Plot 7-139. Occupied Bandwidth Plot  
(B66\_15M\_1C\_64QAM - Mid Channel, Port 2)



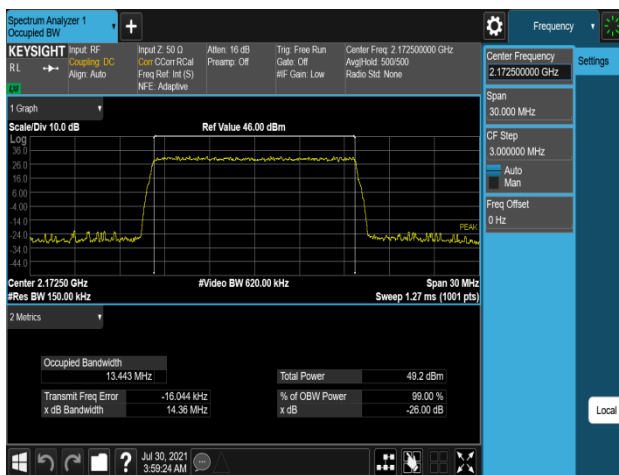
Plot 7-140. Occupied Bandwidth Plot  
(B66\_15M\_1C\_256QAM - Mid Channel, Port 1)



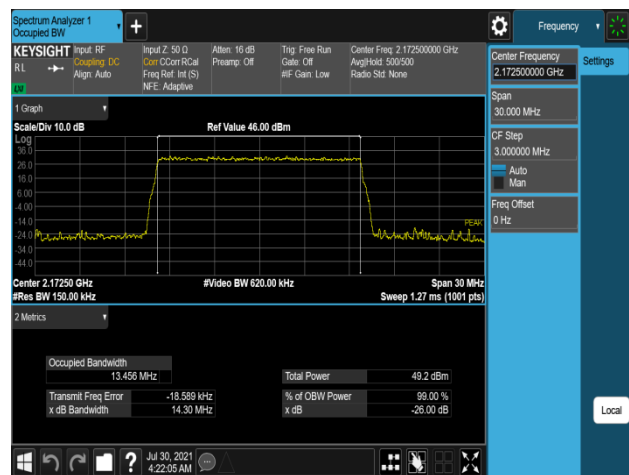
Plot 7-141. Occupied Bandwidth Plot  
(B66\_15M\_1C\_QPSK - High Channel, Port 0)



Plot 7-142. Occupied Bandwidth Plot  
(B66\_15M\_1C\_16QAM - High Channel, Port 0)

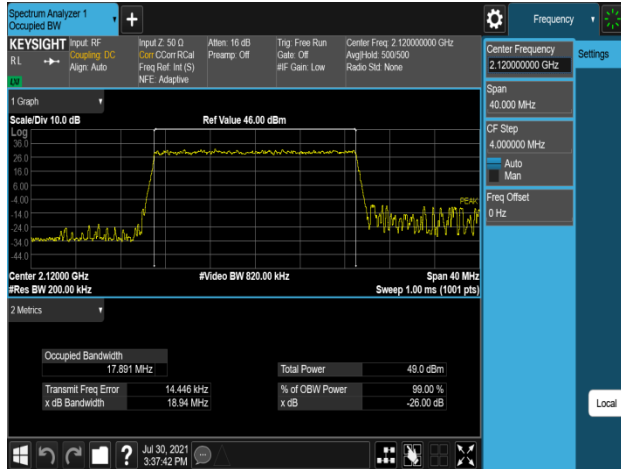


Plot 7-143. Occupied Bandwidth Plot  
(B66\_15M\_1C\_64QAM - High Channel, Port 0)

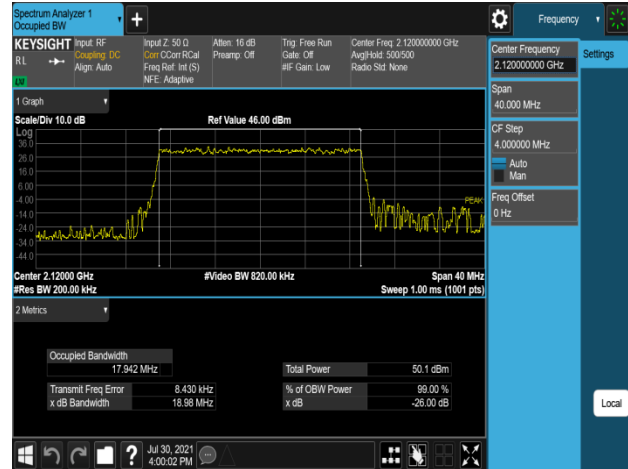


Plot 7-144. Occupied Bandwidth Plot  
(B66\_15M\_1C\_256QAM - High Channel, Port 2)

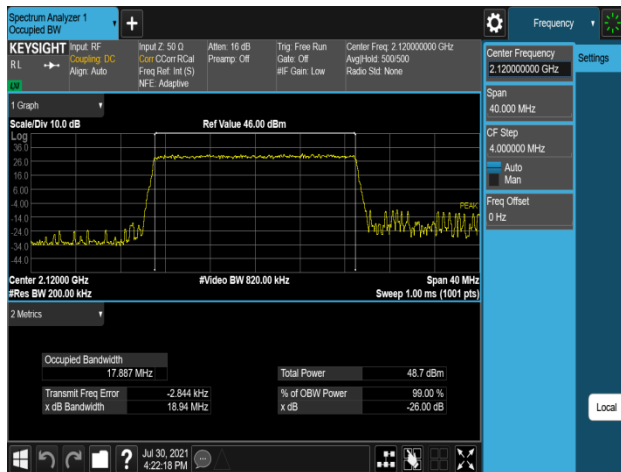
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 47 of 420



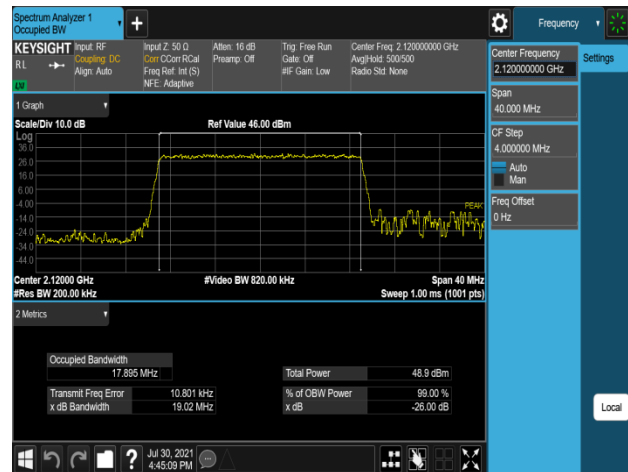
Plot 7-145. Occupied Bandwidth Plot  
(B66\_20M\_1C\_QPSK - Low Channel, Port 3)



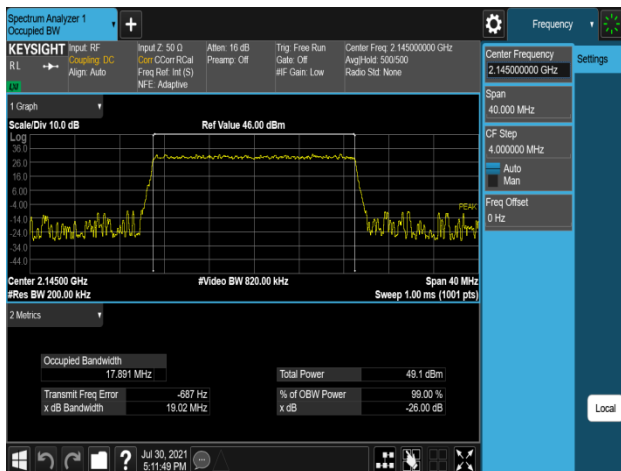
Plot 7-146. Occupied Bandwidth Plot  
(B66\_20M\_1C\_16QAM - Low Channel, Port 2)



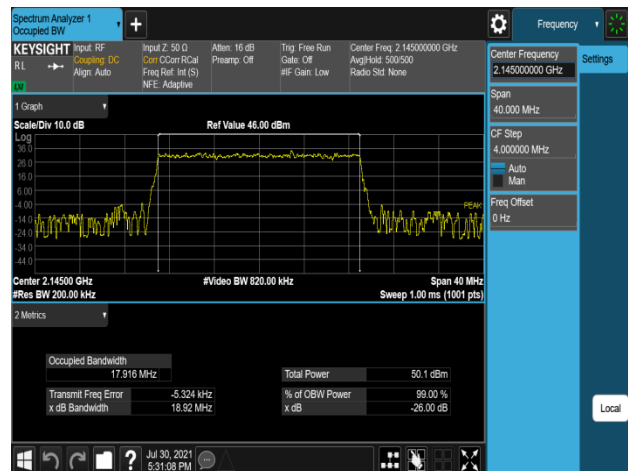
Plot 7-147. Occupied Bandwidth Plot  
(B66\_20M\_1C\_64QAM - Low Channel, Port 1)



Plot 7-148. Occupied Bandwidth Plot  
(B66\_20M\_1C\_256QAM - Low Channel, Port 2)

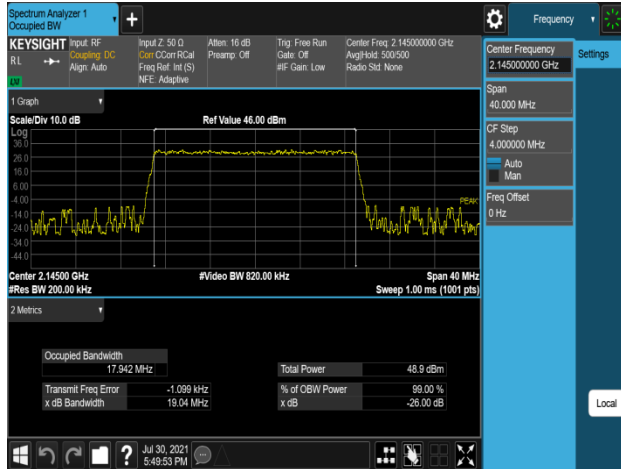


Plot 7-149. Occupied Bandwidth Plot  
(B66\_20M\_1C\_QPSK - Mid Channel, Port 3)

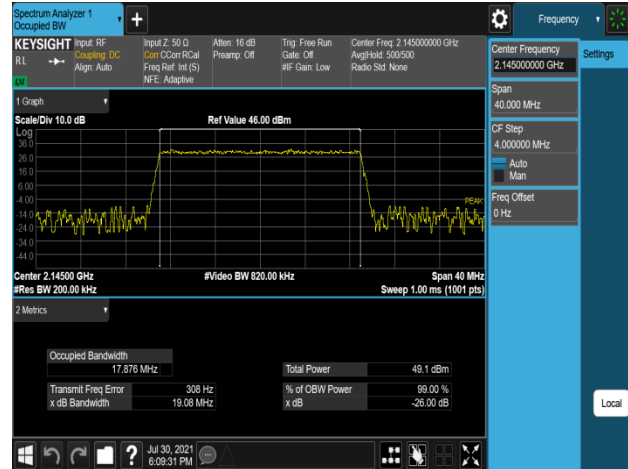


Plot 7-150. Occupied Bandwidth Plot  
(B66\_20M\_1C\_16QAM - Mid Channel, Port 3)

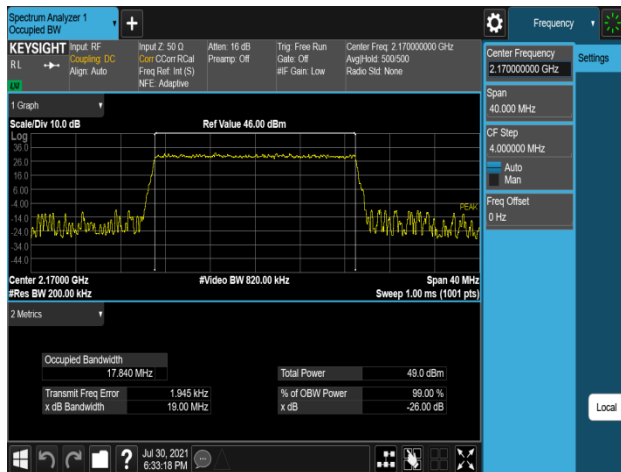
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 48 of 420



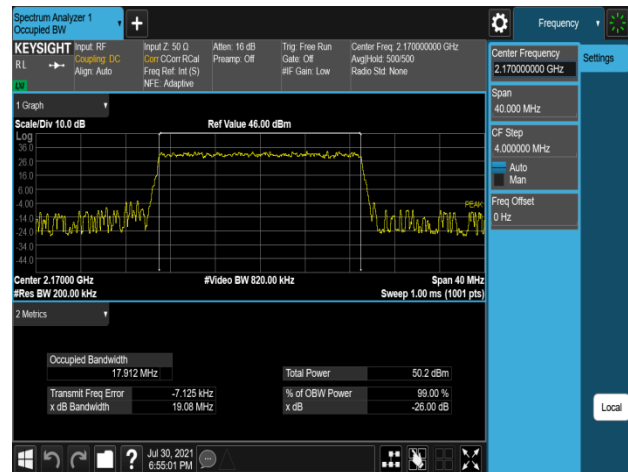
Plot 7-151. Occupied Bandwidth Plot  
(B66\_20M\_1C\_64QAM - Mid Channel, Port 1)



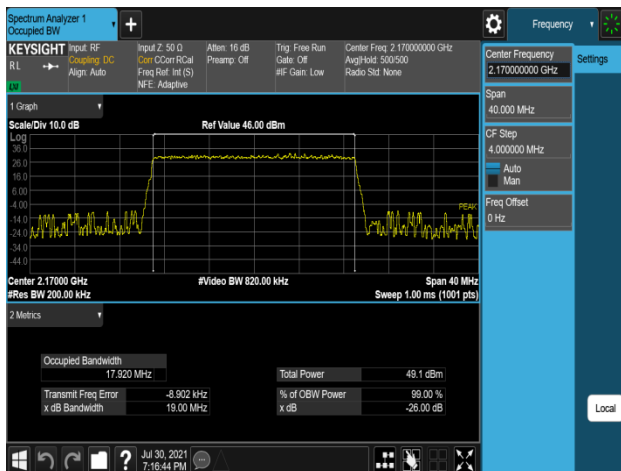
Plot 7-152. Occupied Bandwidth Plot  
(B66\_20M\_1C\_256QAM – Mid Channel, Port 2)



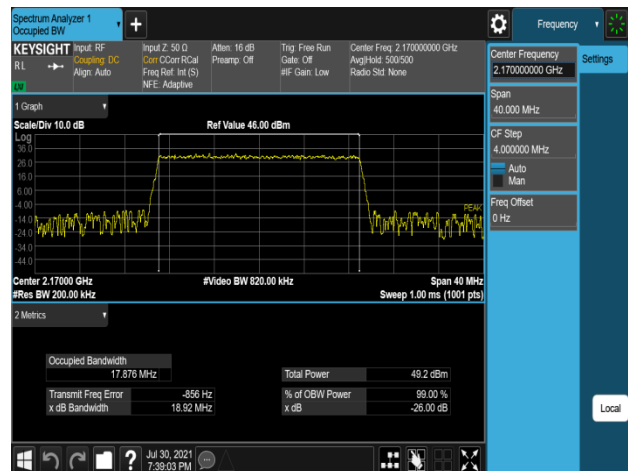
Plot 7-153. Occupied Bandwidth Plot  
(B66\_20M\_1C\_QPSK - High Channel, Port 3)





Plot 7-154. Occupied Bandwidth Plot  
(B66\_20M\_1C\_16QAM – High Channel, Port 2)



Plot 7-155. Occupied Bandwidth Plot  
(B66\_20M\_1C\_64QAM - High Channel, Port 1)



Plot 7-156. Occupied Bandwidth Plot  
(B66\_20M\_1C\_256QAM – High Channel, Port 2)

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Channel	Port	OBW (MHz)			
		QPSK	16QAM	64QAM	256QAM
Low	0	9.41	<b>9.42</b>	9.40	9.43
	1	<b>9.42</b>	9.42	<b>9.43</b>	9.43
	2	9.42	9.41	9.42	<b>9.44</b>
	3	9.42	9.42	9.41	9.44
Middle	0	<b>9.43</b>	<b>9.43</b>	<b>9.43</b>	9.43
	1	9.43	9.43	9.42	<b>9.46</b>
	2	9.43	9.43	9.43	9.45
	3	9.43	9.42	9.43	9.46
High	0	9.43	<b>9.43</b>	<b>9.45</b>	9.44
	1	9.43	9.41	9.43	9.44
	2	9.43	9.42	9.43	<b>9.45</b>
	3	<b>9.44</b>	9.42	9.43	9.44

**Table 7-15. Occupied Bandwidth Summary Data (B66\_5M+5M\_2C)**

Channel	Port	OBW (MHz)			
		QPSK	16QAM	64QAM	256QAM
Low	0	23.58	23.66	<b>23.63</b>	23.65
	1	23.63	23.64	23.62	23.64
	2	<b>23.67</b>	<b>23.70</b>	23.62	<b>23.67</b>
	3	23.64	23.67	23.59	23.67
Middle	0	23.64	23.69	23.65	<b>23.72</b>
	1	<b>23.69</b>	<b>23.74</b>	23.63	23.72
	2	23.66	23.65	<b>23.66</b>	23.72
	3	23.67	23.64	23.65	23.69
High	0	23.64	<b>23.74</b>	<b>23.66</b>	23.67
	1	23.64	23.61	23.65	23.67
	2	<b>23.67</b>	23.67	23.64	<b>23.73</b>
	3	23.64	23.67	23.62	23.69



**Table 7-16. Occupied Bandwidth Summary Data (B66\_5M+20M\_2C)**

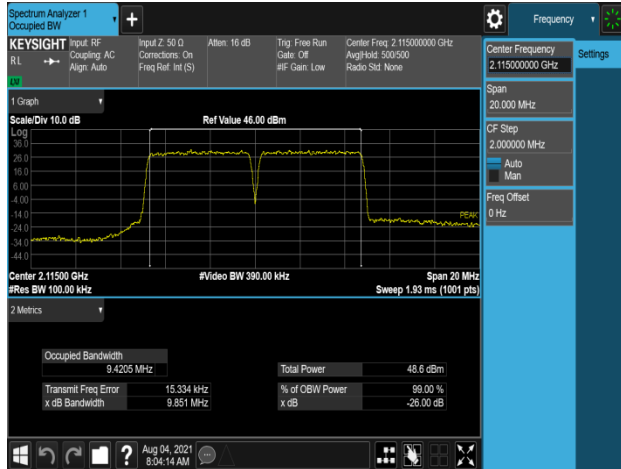
FCC ID: A3LRF4437D-25C	 <b>PCTEST</b> ENGINEERING LABORATORY, INC.	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K21071202-R2.A3L	<b>Test Dates:</b> 07/19/2021-08/13/2021	<b>EUT Type:</b> RRU(RF4437d)		Page 50 of 420



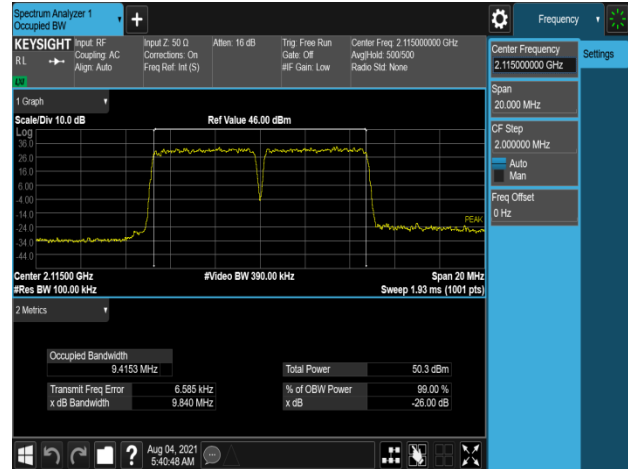
Channel	Port	OBW (MHz)			
		QPSK	16QAM	64QAM	256QAM
Low	0	37.72	37.84	37.73	37.78
	1	<b>37.79</b>	37.82	<b>37.78</b>	37.77
	2	37.76	37.84	37.75	37.78
	3	37.79	<b>37.94</b>	37.74	<b>37.81</b>
Middle	0	37.82	<b>38.01</b>	37.79	37.89
	1	<b>37.88</b>	37.85	37.80	37.88
	2	37.88	37.91	<b>37.85</b>	<b>37.94</b>
	3	37.84	37.93	37.84	37.86
High	0	37.82	37.91	<b>37.81</b>	37.81
	1	37.86	37.89	37.78	<b>37.87</b>
	2	37.84	<b>37.98</b>	37.81	37.81
	3	<b>37.88</b>	37.80	37.80	37.78

**Table 7-17. Occupied Bandwidth Summary Data (B66\_20M+20M\_2C)**

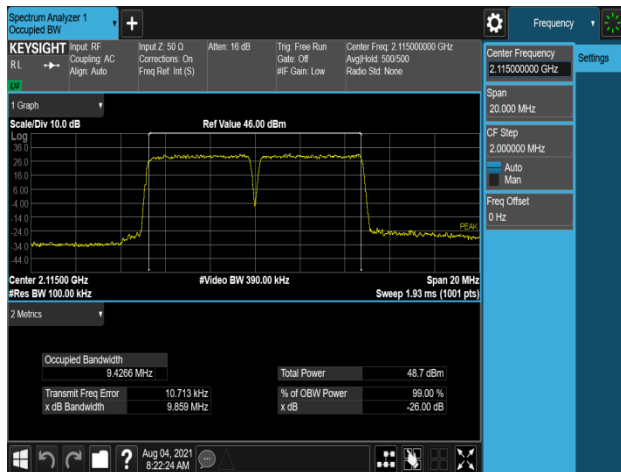
FCC ID: A3LRF4437D-25C		<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K21071202-R2.A3L	<b>Test Dates:</b> 07/19/2021-08/13/2021	<b>EUT Type:</b> RRU(RF4437d)	Page 51 of 420	



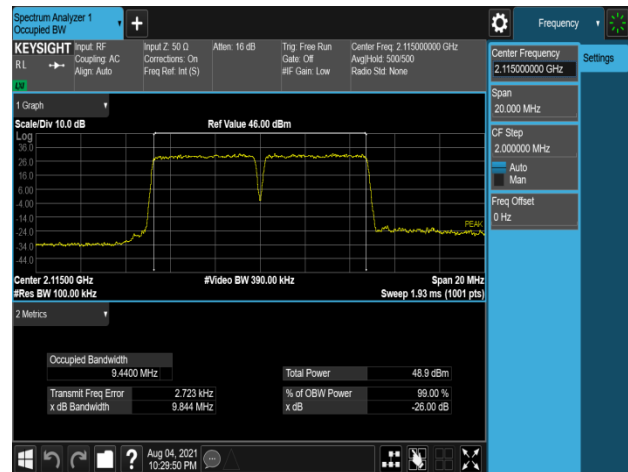
Plot 7-157. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_QPSK - Low Channel, Port 1)



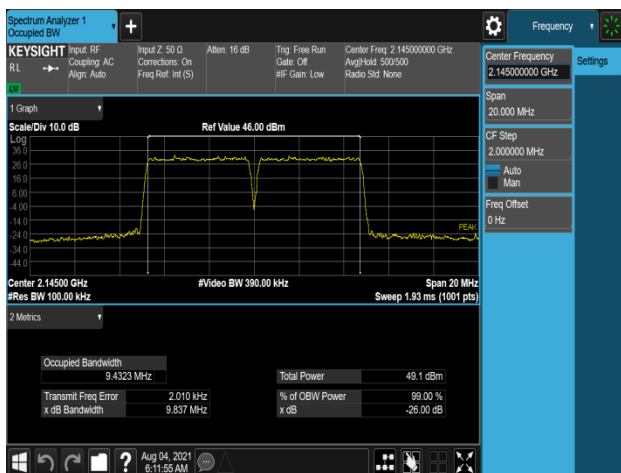
Plot 7-158. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_16QAM - Low Channel, Port 0)



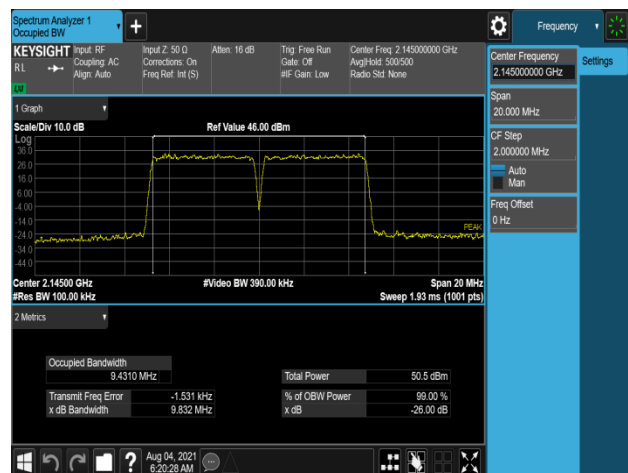
Plot 7-159. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_64QAM - Low Channel, Port 1)





Plot 7-160. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_256QAM - Low Channel, Port 2)

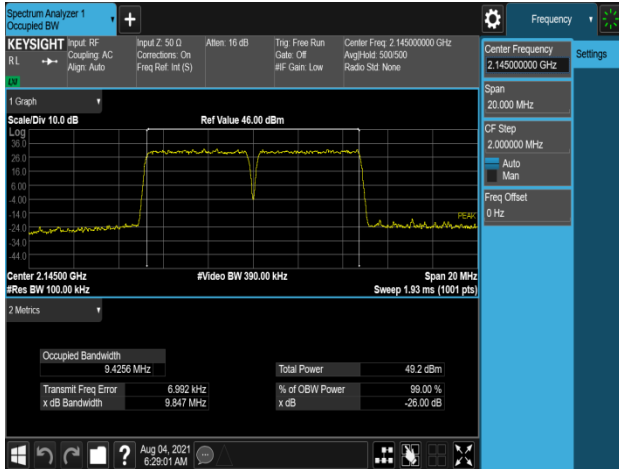


Plot 7-161. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_QPSK - Mid Channel, Port 0)

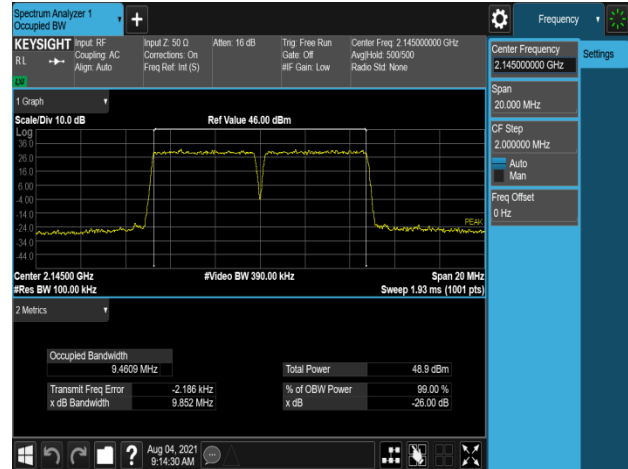


Plot 7-162. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_16QAM - Mid Channel, Port 0)

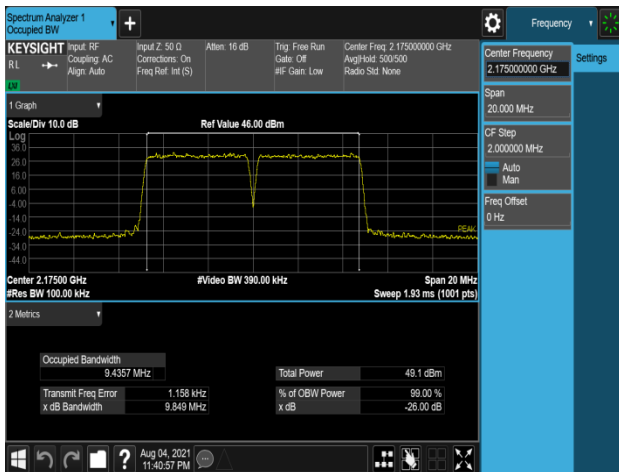
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 8K21071202-R2.A3L	Test Dates: 07/19/2021-08/13/2021	EUT Type: RRU(RF4437d)		Page 52 of 420



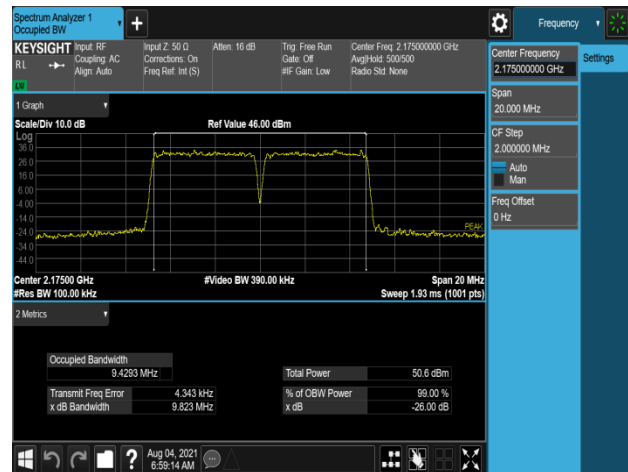
Plot 7-163. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_64QAM - Mid Channel, Port 0)



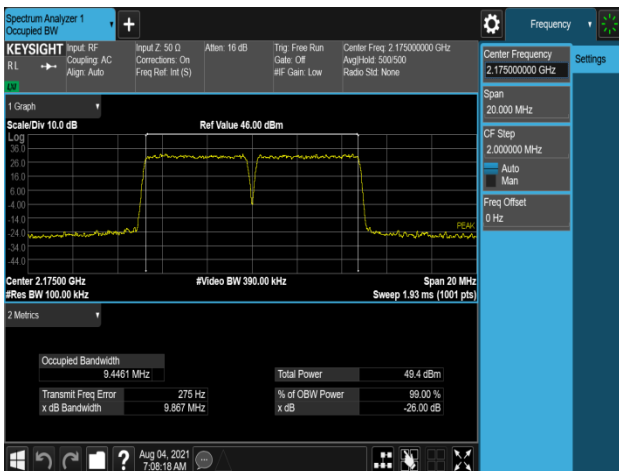
Plot 7-164. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_256QAM - Mid Channel, Port 1)



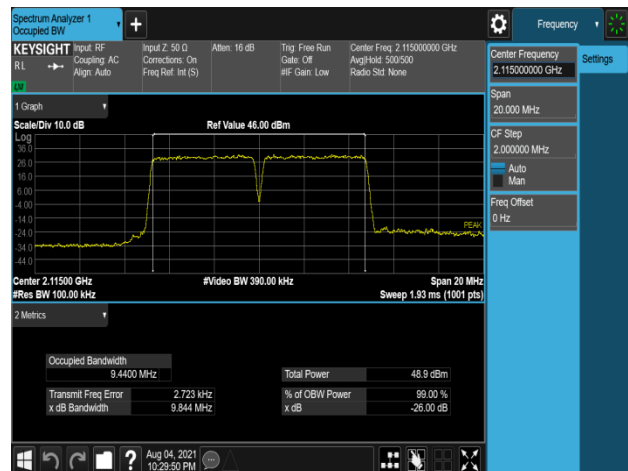
Plot 7-165. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_QPSK - High Channel, Port 3)



Plot 7-166. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_16QAM - High Channel, Port 0)

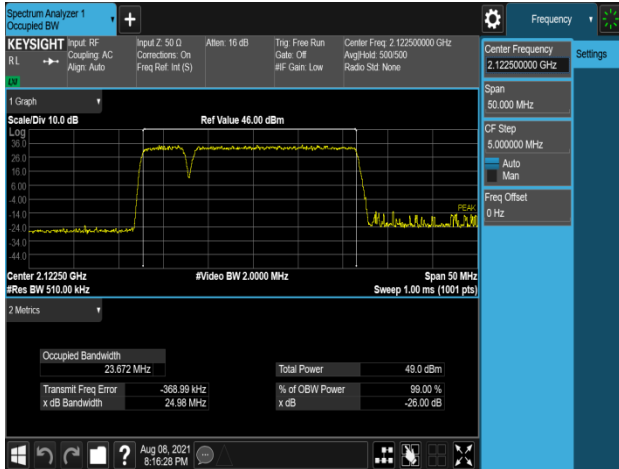


Plot 7-167. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_64QAM - High Channel, Port 0)

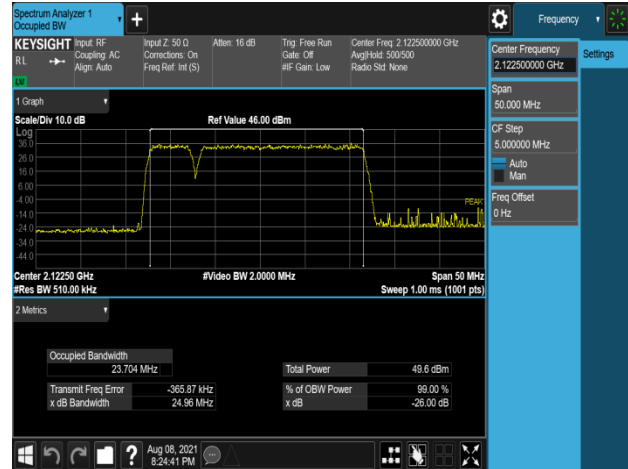


Plot 7-168. Occupied Bandwidth Plot  
(B66\_5M+5M\_2C\_256QAM - High Channel, Port 2)

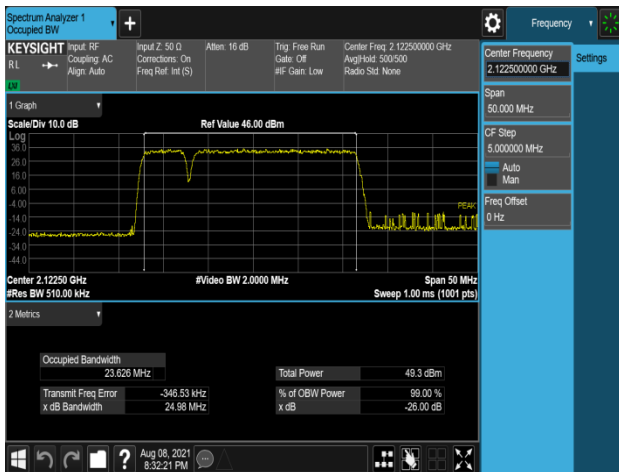
FCC ID: A3LRF4437D-25C		MEASUREMENT REPORT		Approved by: Technical Manager
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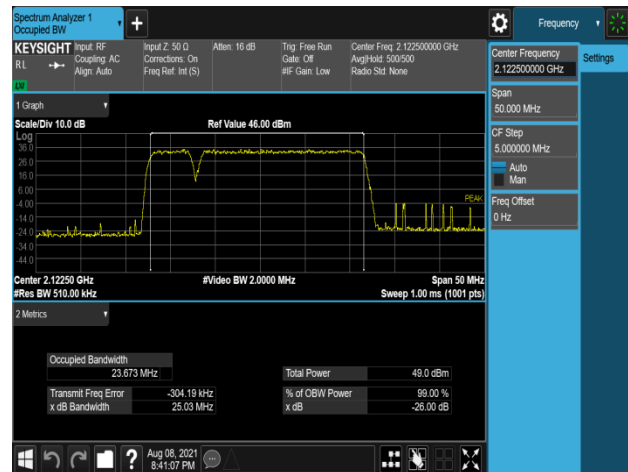
Plot 7-169. Occupied Bandwidth Plot  
(B66\_5M+20M\_2C\_QPSK - Low Channel, Port 2)



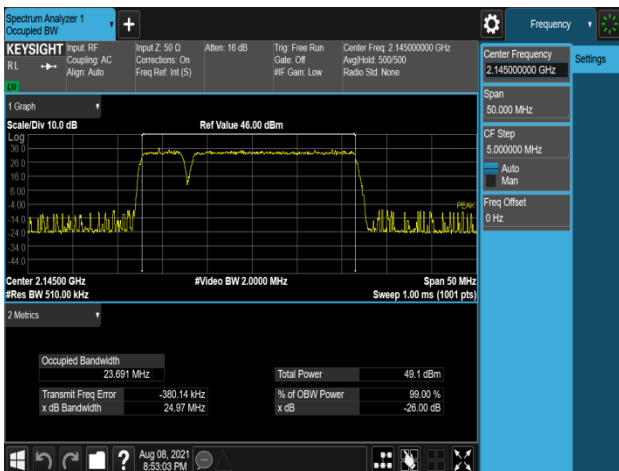
Plot 7-170. Occupied Bandwidth Plot  
(B66\_5M+20M\_2C\_16QAM - Low Channel, Port 2)



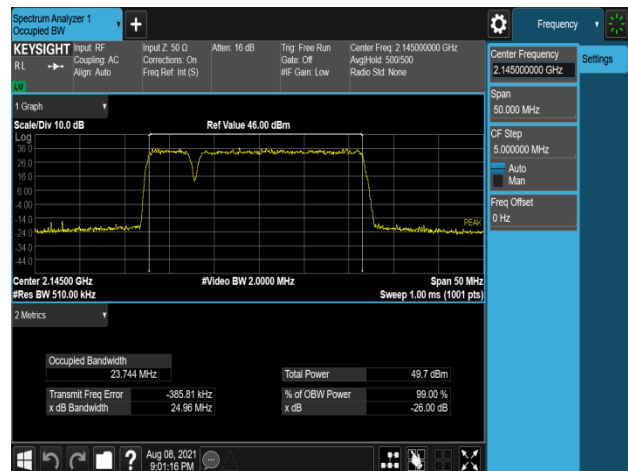
Plot 7-171. Occupied Bandwidth Plot  
(B66\_5M+20M\_2C\_64QAM - Low Channel, Port 0)



Plot 7-172. Occupied Bandwidth Plot  
(B66\_5M+20M\_2C\_256QAM - Low Channel, Port 2)

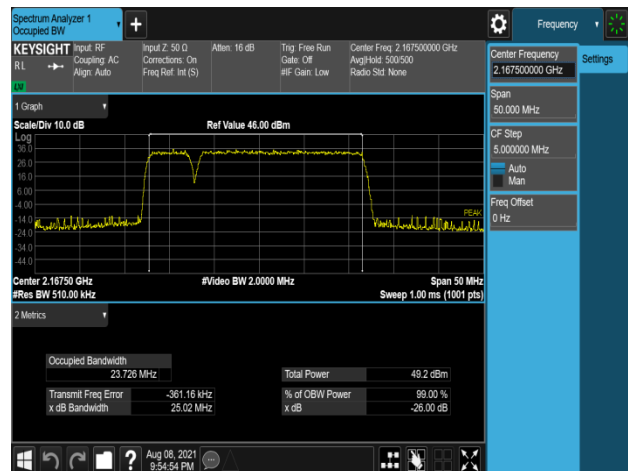
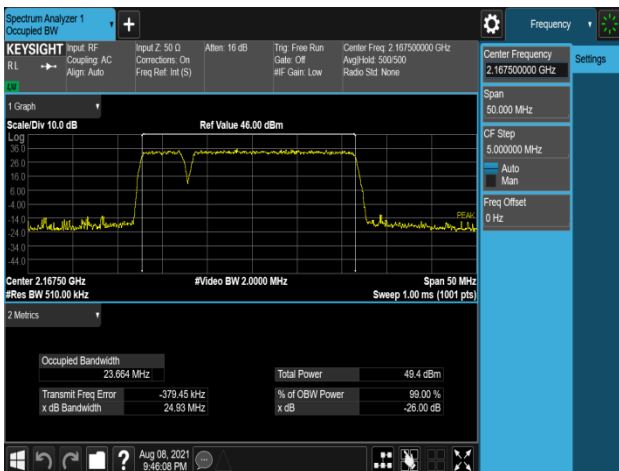
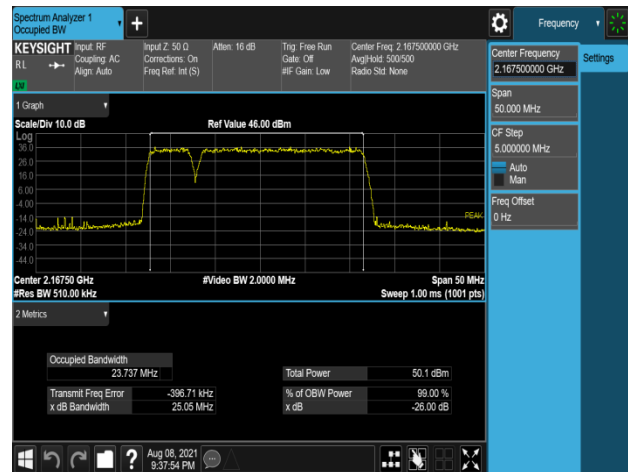
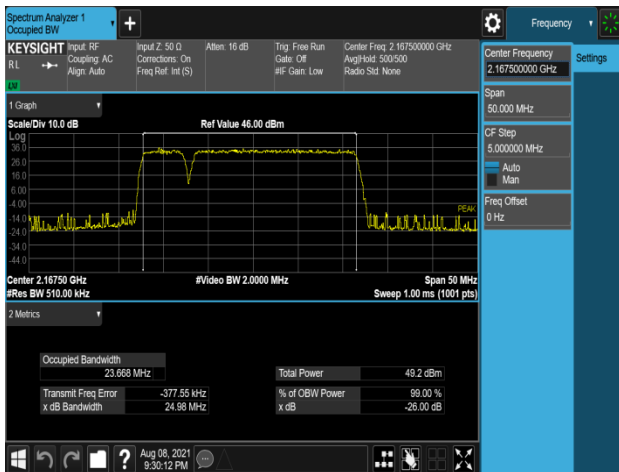
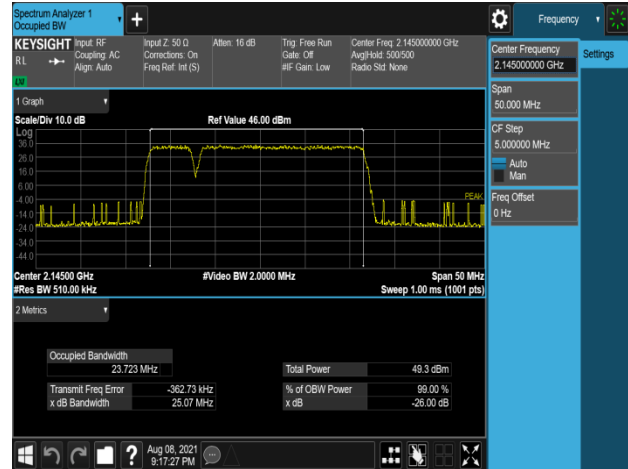
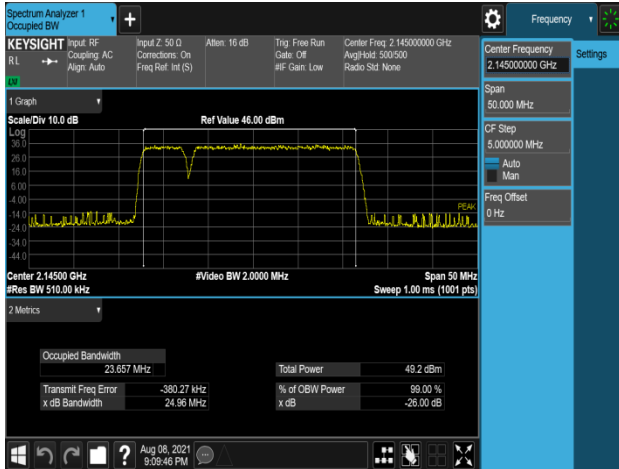




Plot 7-173. Occupied Bandwidth Plot  
(B66\_5M+20M\_2C\_QPSK - Mid Channel, Port 1)



Plot 7-174. Occupied Bandwidth Plot  
(B66\_5M+20M\_2C\_16QAM - Mid Channel, Port 1)

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