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)

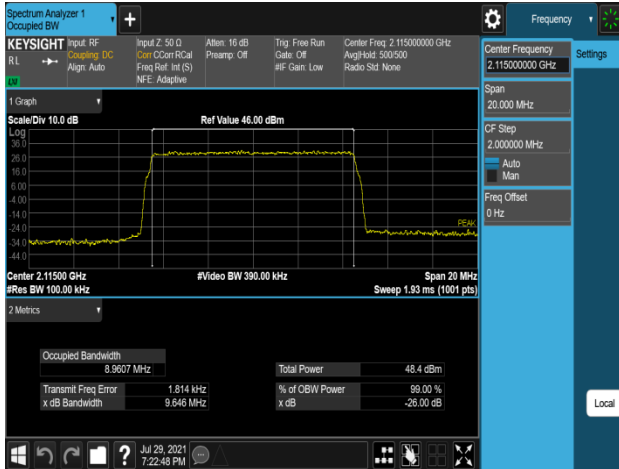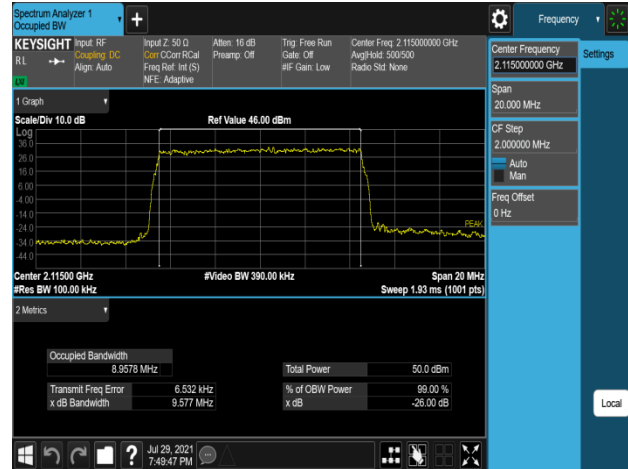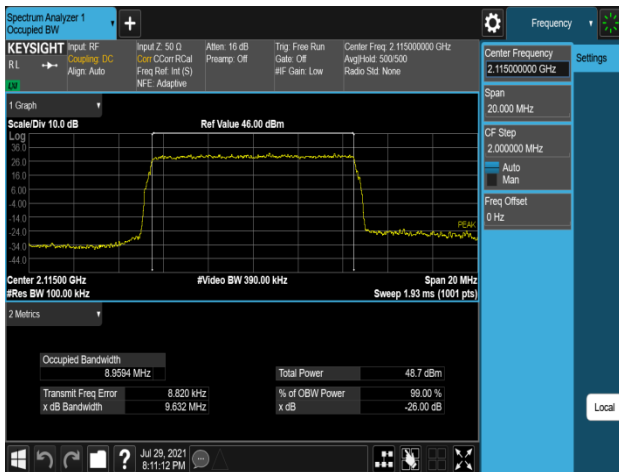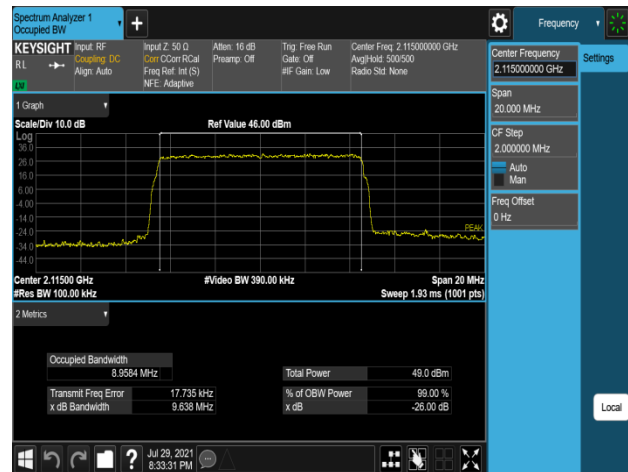| FCC ID: A3LRF4437D-25D	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-121. Occupied Bandwidth Plot
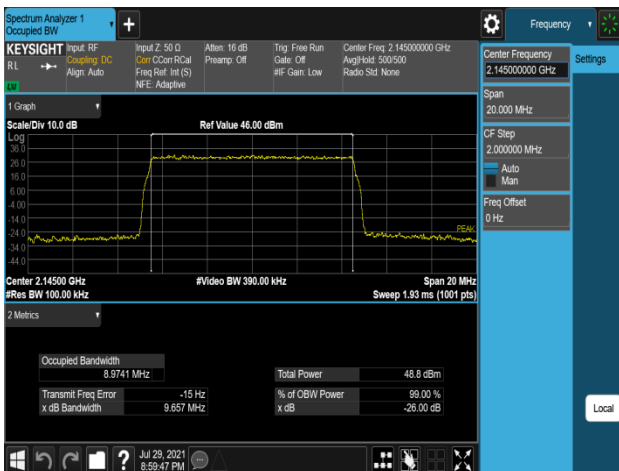(B66_10M_1C_QPSK - Low Channel, Port 1)

Plot 7-122. Occupied Bandwidth Plot
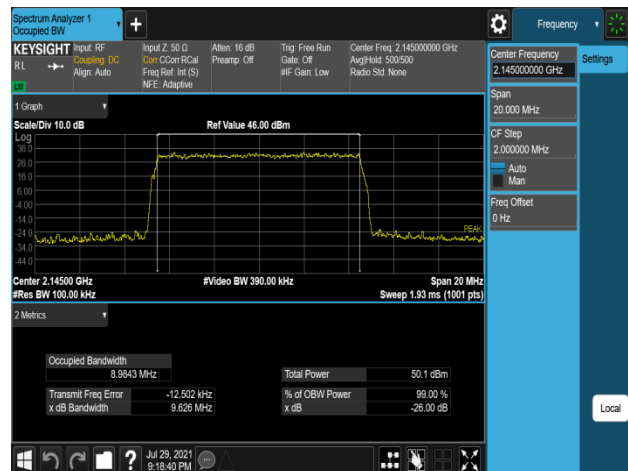(B66_10M_1C_16QAM - Low Channel, Port 3)

Plot 7-123. Occupied Bandwidth Plot
(B66_10M_1C_64QAM - Low Channel, Port 1)

Plot 7-124. Occupied Bandwidth Plot
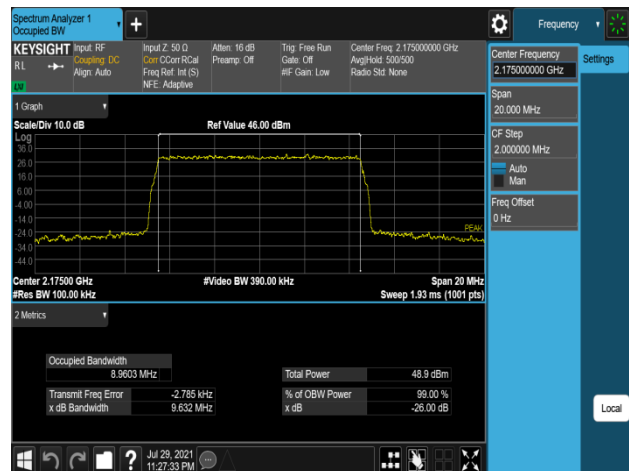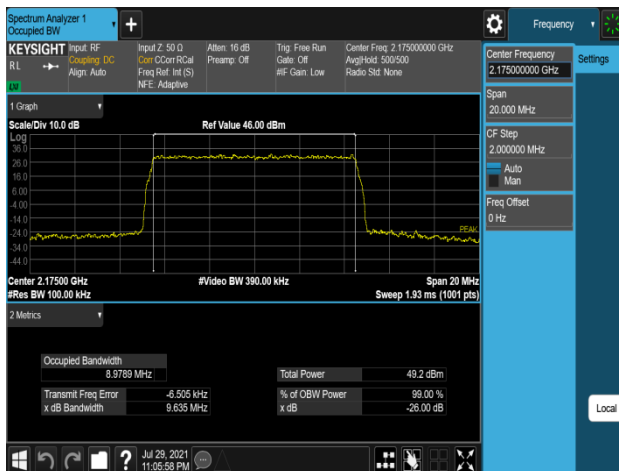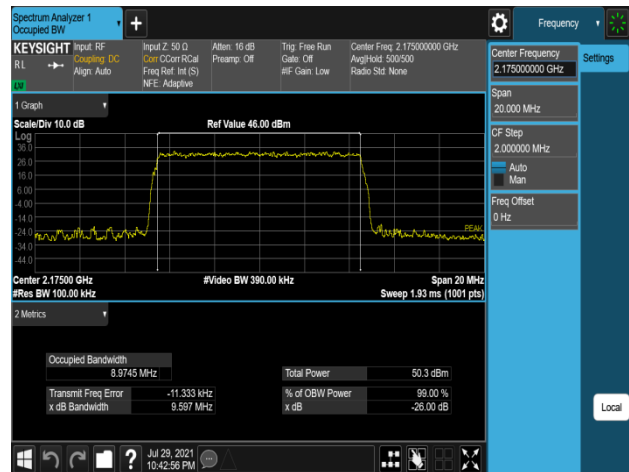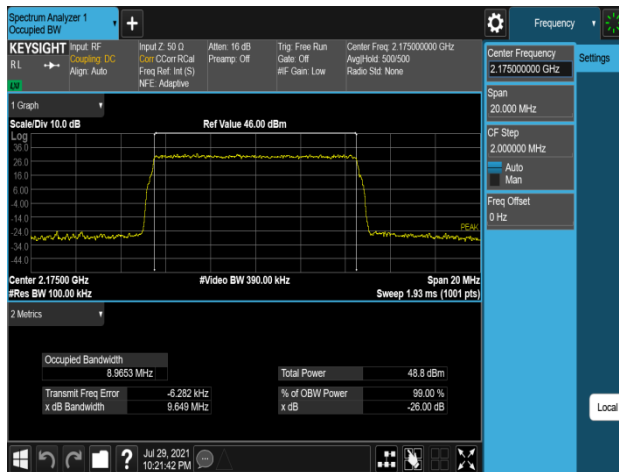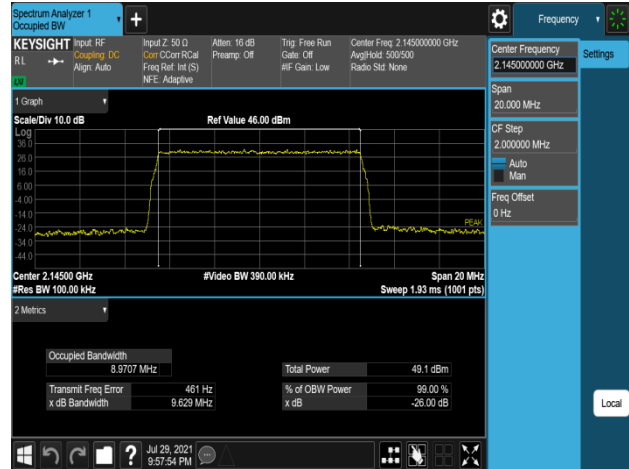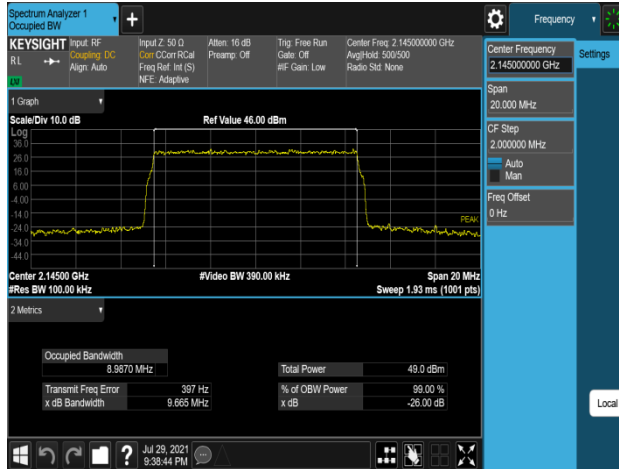(B66_10M_1C_256QAM - Low Channel, Port 2)

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)

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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)

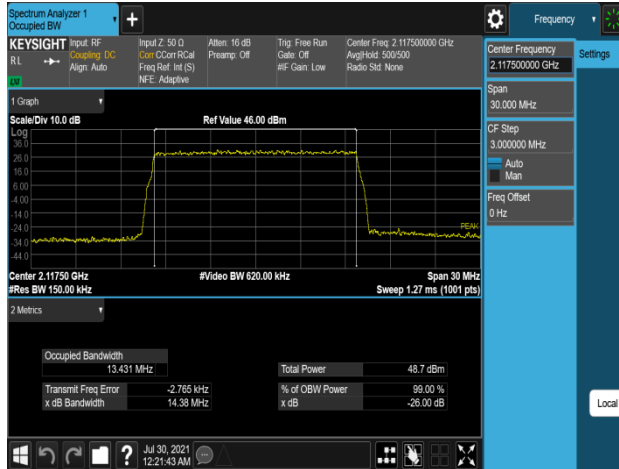Plot 7-130. Occupied Bandwidth Plot
(B66_10M_1C_16QAM – High Channel, Port 0)

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-25D	**PCTEST** ENGINEERING LABORATORY, INC.	**MEASUREMENT REPORT**	SAMSUNG	**Approved by:** Technical Manager
Test Report S/N: 8K21071202-02-R2.A3L	**Test Dates:** 07/19/2021-08/18/2021	**EUT Type:** RRU(RF4437d)		Page 45 of 430

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Plot 7-133. Occupied Bandwidth Plot
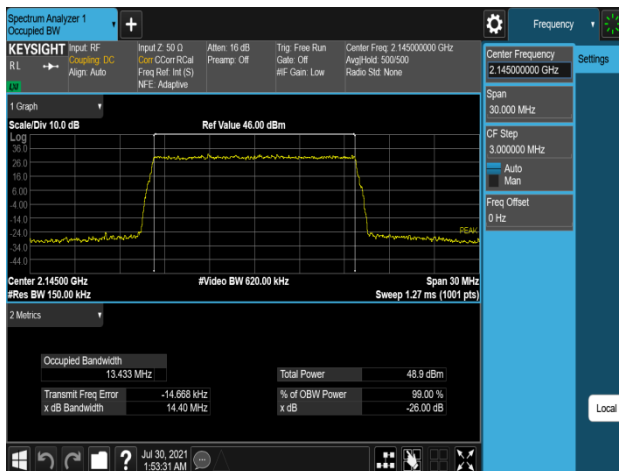(B66_15M_1C_QPSK - Low Channel, Port 1)
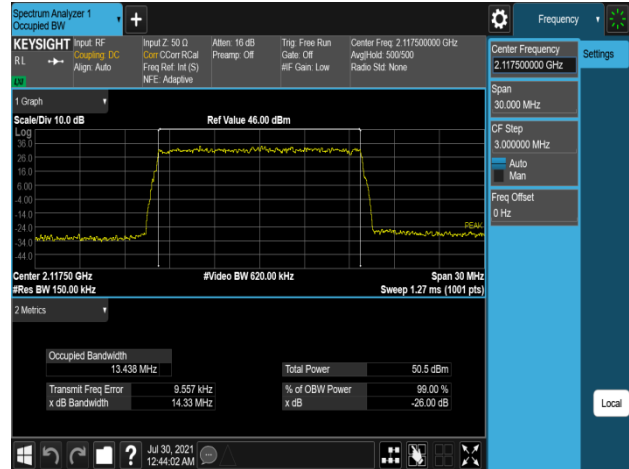
Plot 7-134. Occupied Bandwidth Plot
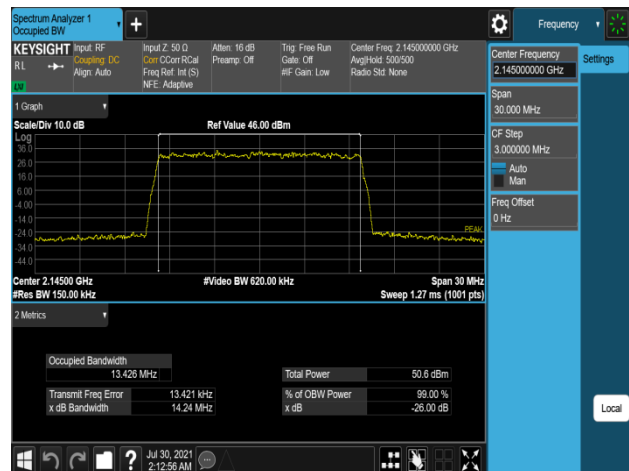(B66_15M_1C_16QAM - Low Channel, Port 2)
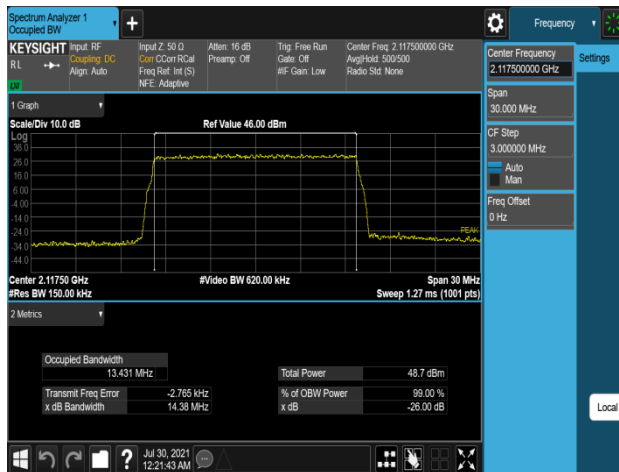
Plot 7-135. Occupied Bandwidth Plot
(B66_15M_1C_QPSK - Low Channel, Port 1)
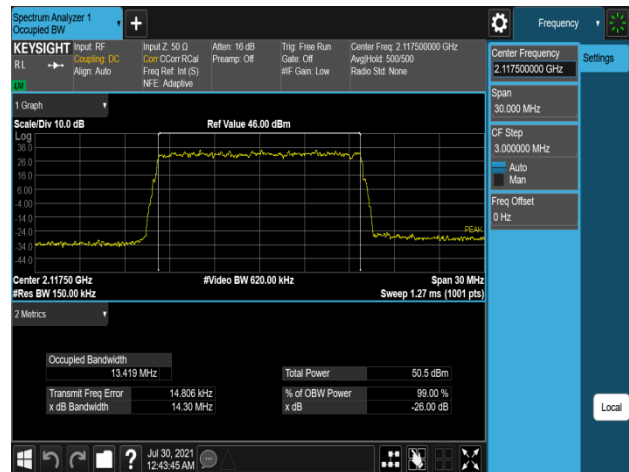
Plot 7-136. Occupied Bandwidth Plot
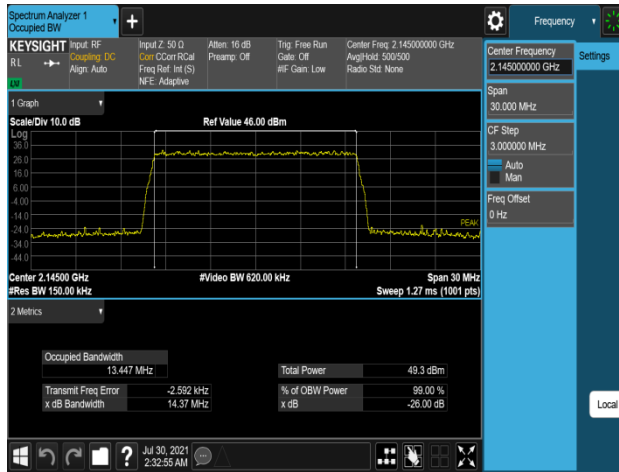(B66_15M_1C_16QAM - Low Channel, Port 1)

Plot 7-137. Occupied Bandwidth Plot
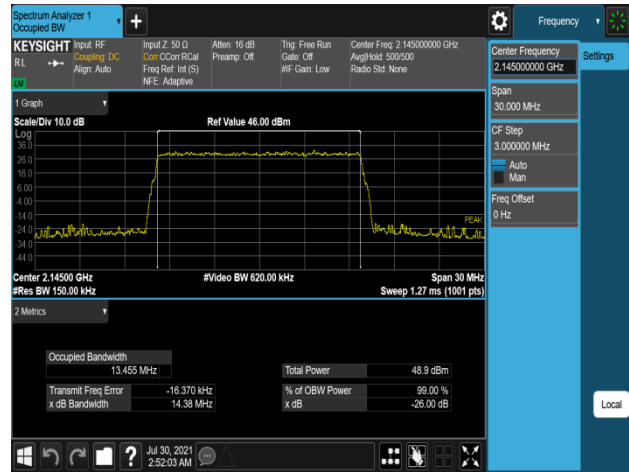(B66_15M_1C_QPSK - Mid Channel, Port 0)

Plot 7-138. Occupied Bandwidth Plot
(B66_15M_1C_16QAM – Mid Channel, Port 0)

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Plot 7-139. Occupied Bandwidth Plot
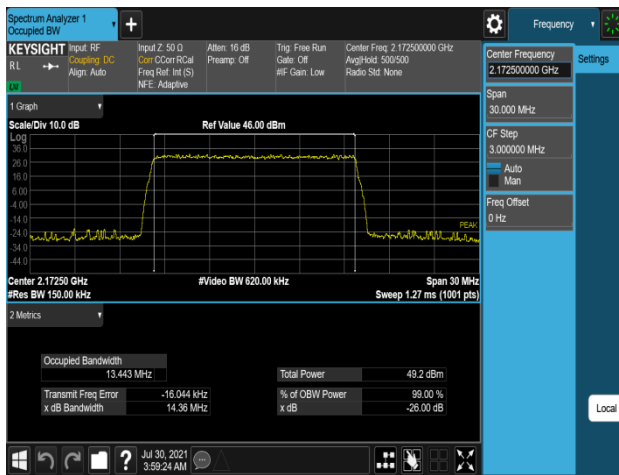(B66_15M_1C_64QAM - Mid Channel, Port 2)

Plot 7-140. Occupied Bandwidth Plot
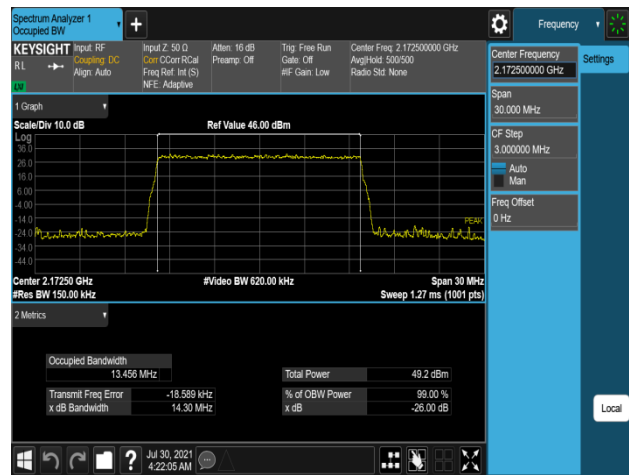(B66_15M_1C_256QAM – Mid Channel, Port 1)

Plot 7-141. Occupied Bandwidth Plot
(B66_15M_1C_QPSK - High Channel, Port 0)
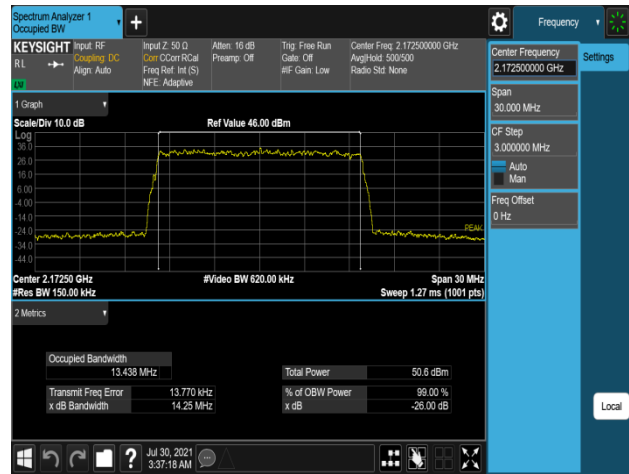
Plot 7-142. Occupied Bandwidth Plot
(B66_15M_1C_16QAM – High Channel, Port 0)

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)

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Plot 7-145. Occupied Bandwidth Plot
(B66_20M_1C_QPSK - Low Channel, Port 3)

Plot 7-146. Occupied Bandwidth Plot
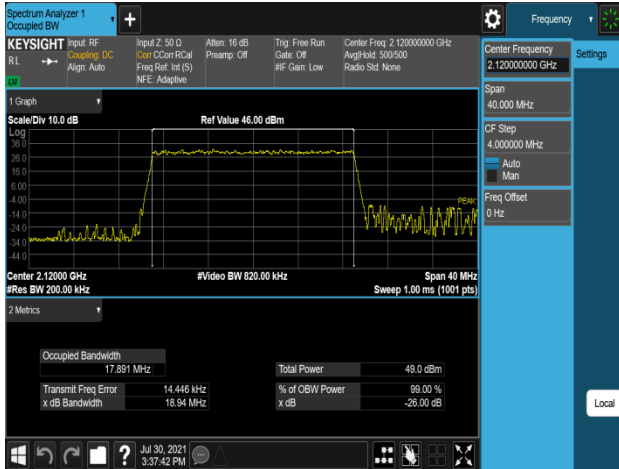(B66_20M_1C_16QAM - Low Channel, Port 2)

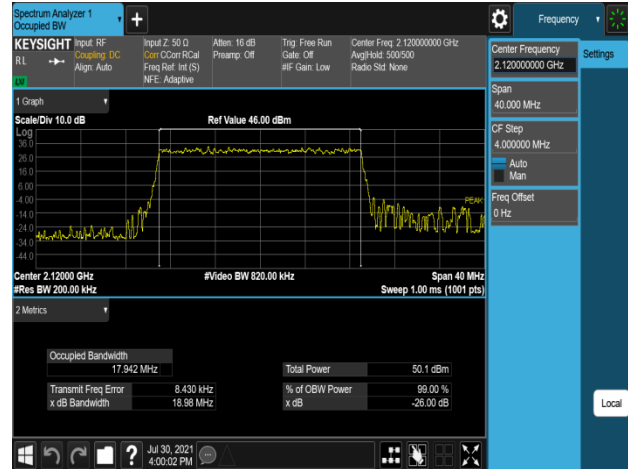Plot 7-147. Occupied Bandwidth Plot
(B66_20M_1C_64QAM - Low Channel, Port 1)

Plot 7-148. Occupied Bandwidth Plot
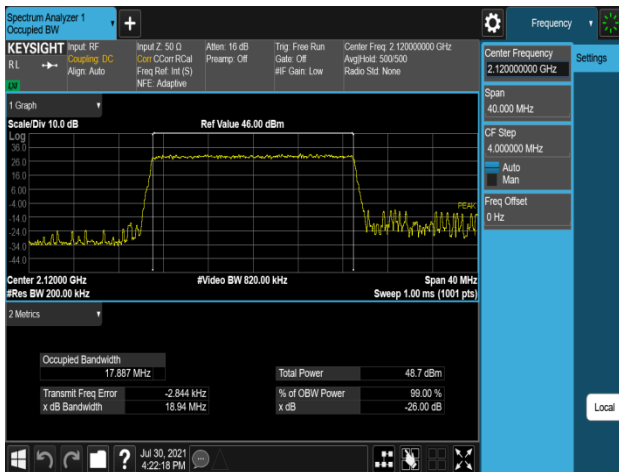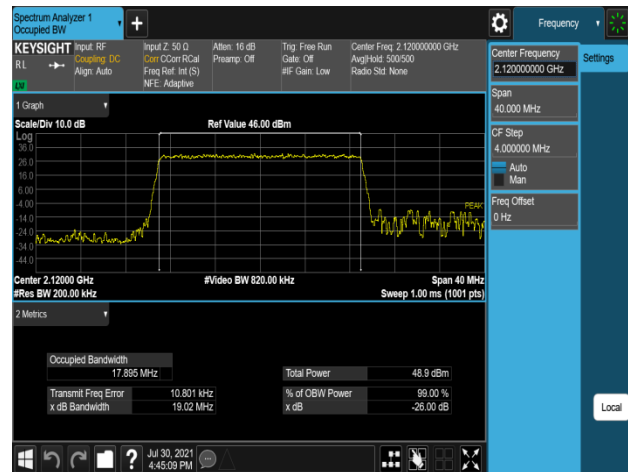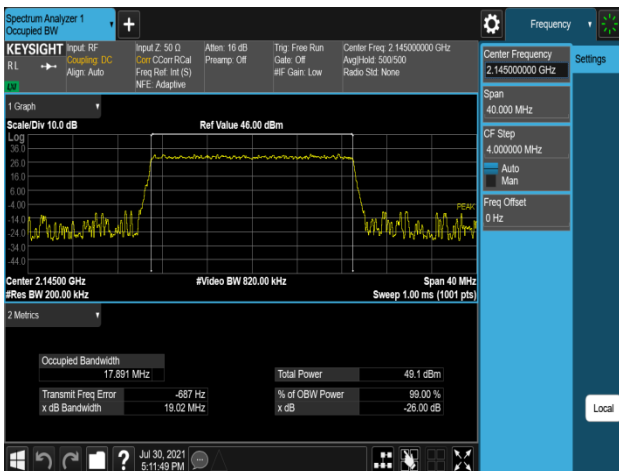(B66_20M_1C_256QAM - Low Channel, Port 2)

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)

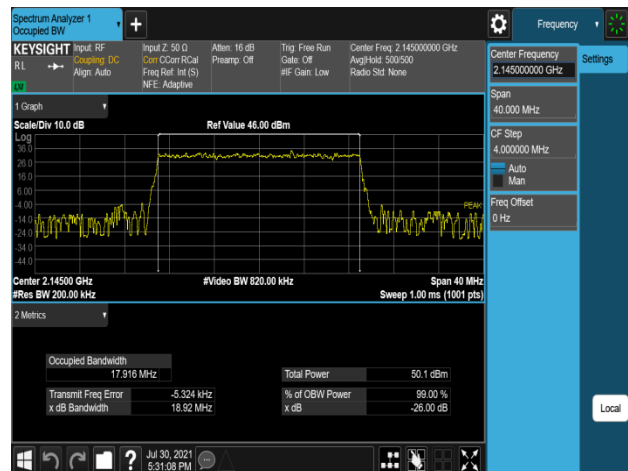| FCC ID: A3LRF4437D-25D	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-151. Occupied Bandwidth Plot
(B66_20M_1C_64QAM - Mid Channel, Port 1)

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
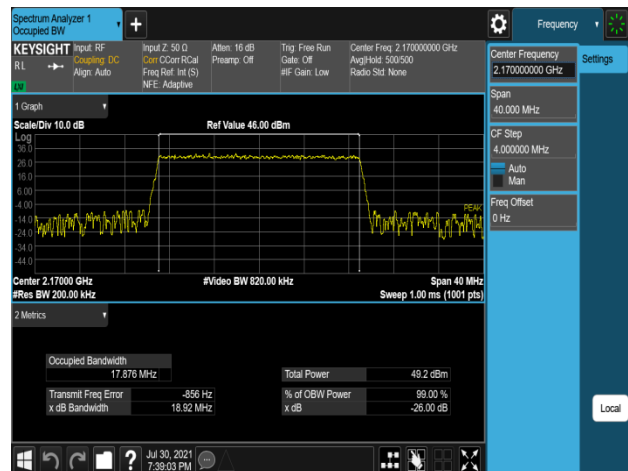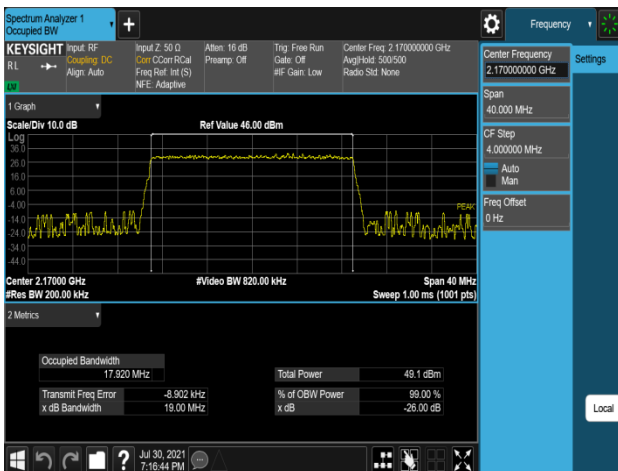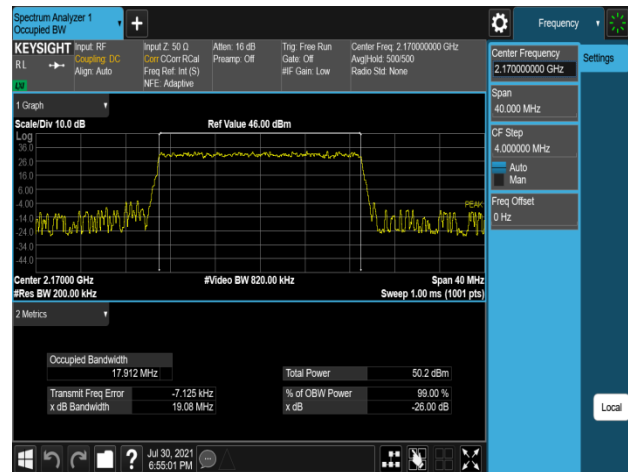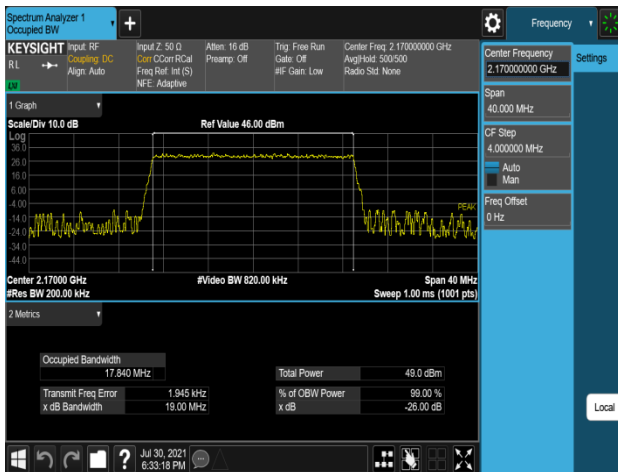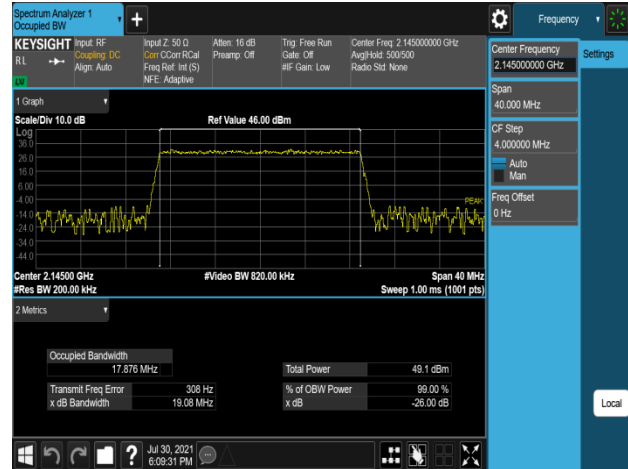(B66_20M_1C_256QAM – High Channel, Port 2)

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Channel	Port	OBW (MHz)			
		QPSK	16QAM	64QAM	256QAM
Low	0	9.41	**9.42**	9.40	9.43
	1	**9.42**	9.42	**9.43**	9.43
	2	9.42	9.41	9.42	**9.44**
	3	9.42	9.42	9.41	9.44
Middle	0	**9.43**	**9.43**	**9.43**	9.43
	1	9.43	9.43	9.42	**9.46**
	2	9.43	9.43	9.43	9.45
	3	9.43	9.42	9.43	9.46
High	0	9.43	**9.43**	**9.45**	9.44
	1	9.43	9.41	9.43	9.44
	2	9.43	9.42	9.43	**9.45**
	3	**9.44**	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	**23.63**	23.65
	1	23.63	23.64	23.62	23.64
	2	**23.67**	**23.70**	23.62	**23.67**
	3	23.64	23.67	23.59	23.67
Middle	0	23.64	23.69	23.65	**23.72**
	1	**23.69**	**23.74**	23.63	23.72
	2	23.66	23.65	**23.66**	23.72
	3	23.67	23.64	23.65	23.69
High	0	23.64	**23.74**	**23.66**	23.67
	1	23.64	23.61	23.65	23.67
	2	**23.67**	23.67	23.64	**23.73**
	3	23.64	23.67	23.62	23.69

Table 7-16. Occupied Bandwidth Summary Data (B66_5M+20M_2C)

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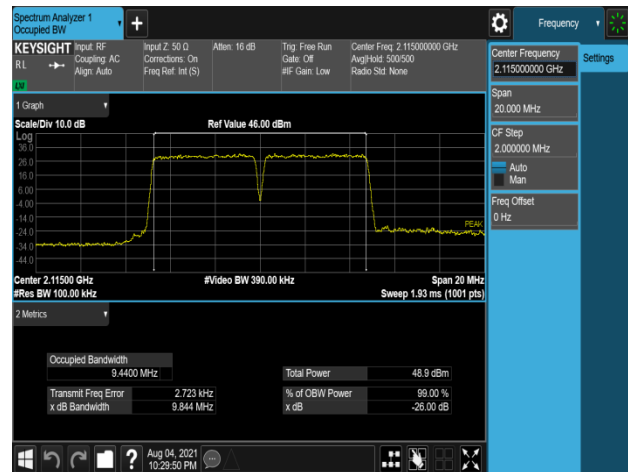| Channel	Port	OBW (MHz)			
		QPSK	16QAM	64QAM	256QAM
Low	0	37.72	37.84	37.73	37.78
	1	**37.79**	37.82	**37.78**	37.77
	2	37.76	37.84	37.75	37.78
	3	37.79	**37.94**	37.74	**37.81**
Middle	0	37.82	**38.01**	37.79	37.89
	1	**37.88**	37.85	37.80	37.88
	2	37.88	37.91	**37.85**	**37.94**
	3	37.84	37.93	37.84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

Table 7-17. Occupied Bandwidth Summary Data (B66_20M+20M_2C)

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Plot 7-157. Occupied Bandwidth Plot
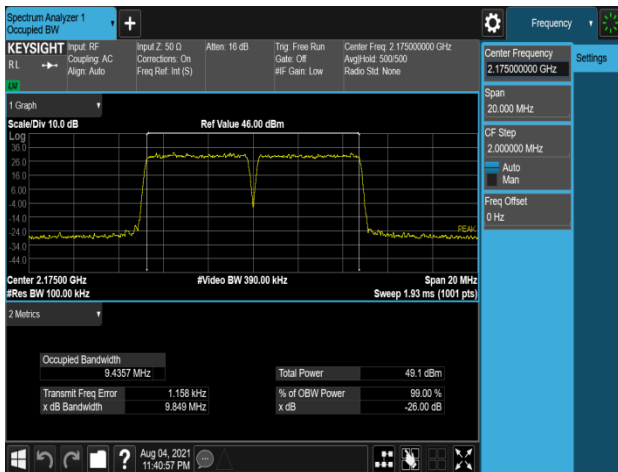(B66_5M+5M_2C_QPSK - Low Channel, Port 1)

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)

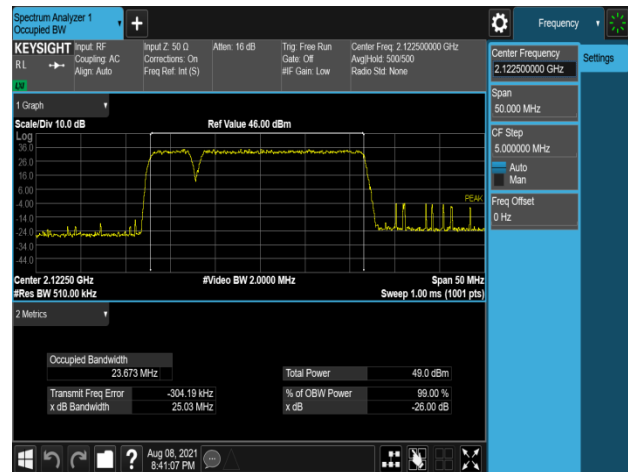Plot 7-162. Occupied Bandwidth Plot
(B66_5M+5M_2C_16QAM – Mid Channel, Port 0)

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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)

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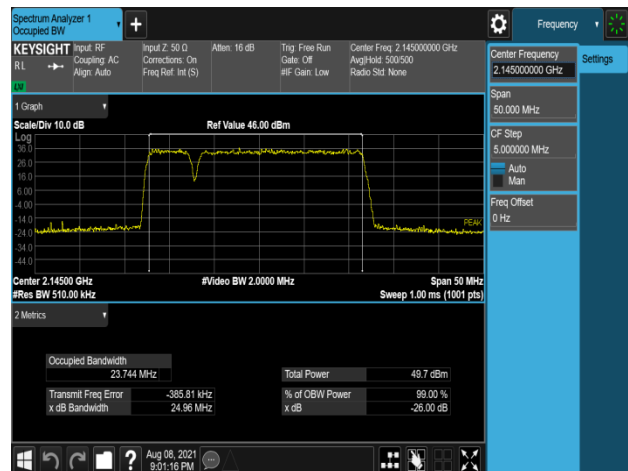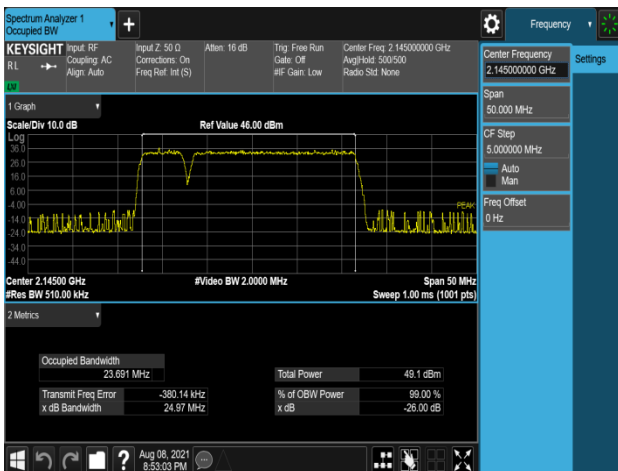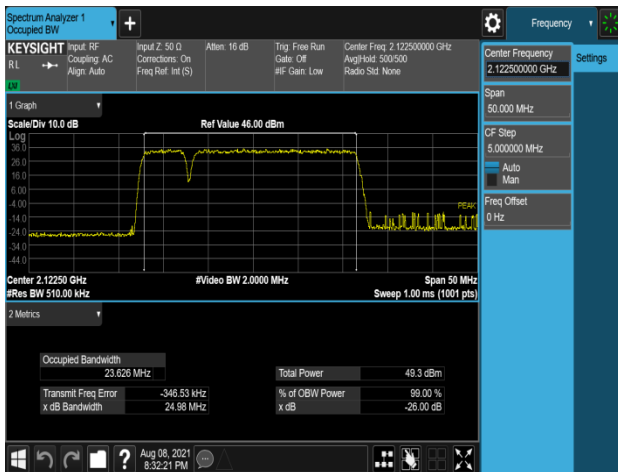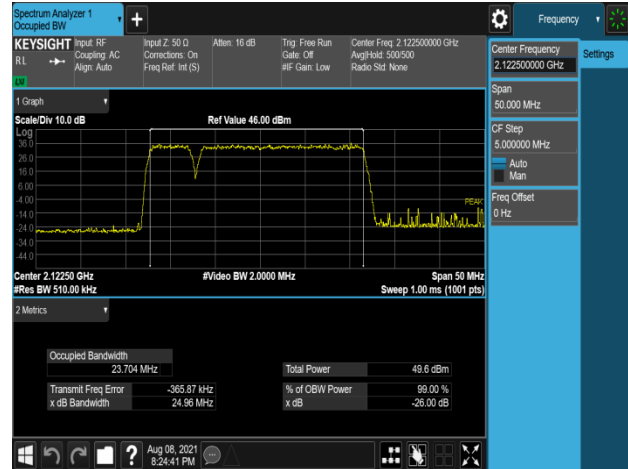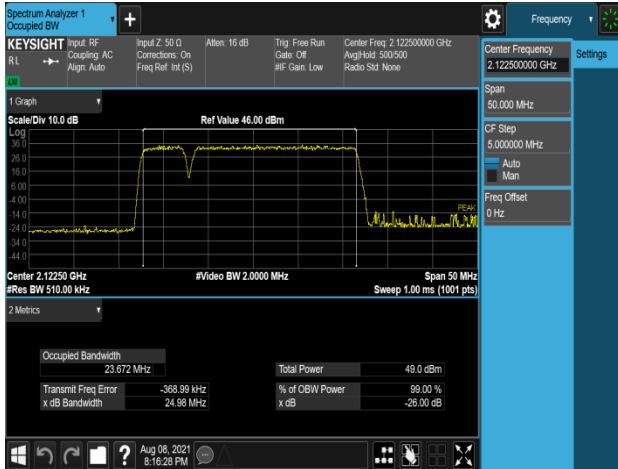
Plot 7-169. Occupied Bandwidth Plot
(B66_5M+20M_2C_QPSK - Low Channel, Port 2)

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)

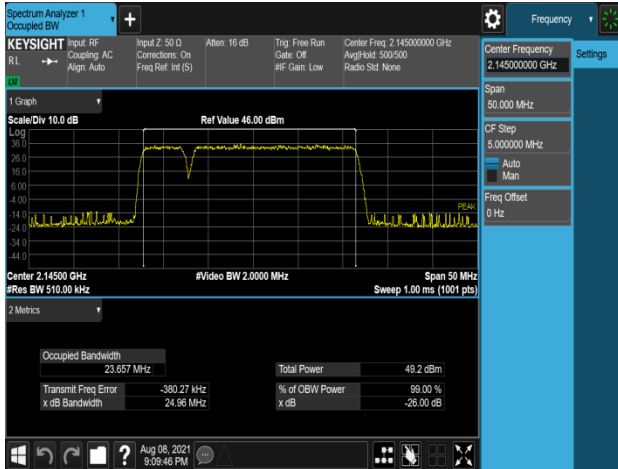Plot 7-174. Occupied Bandwidth Plot
(B66_5M+20M_2C_16QAM – Mid Channel, Port 1)

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Plot 7-175. Occupied Bandwidth Plot
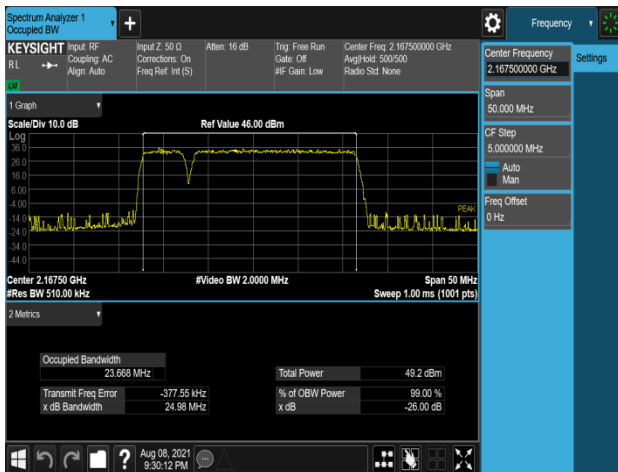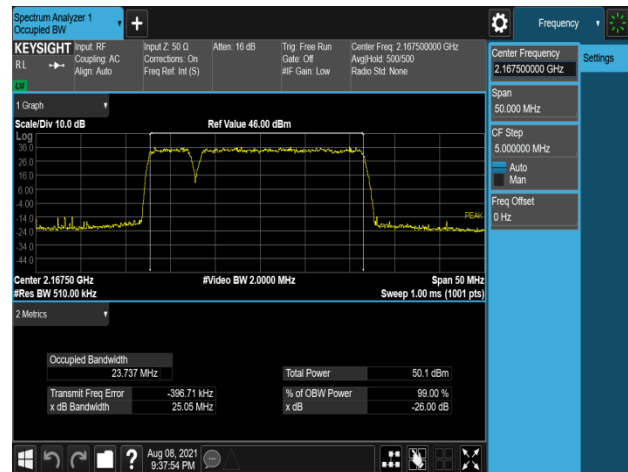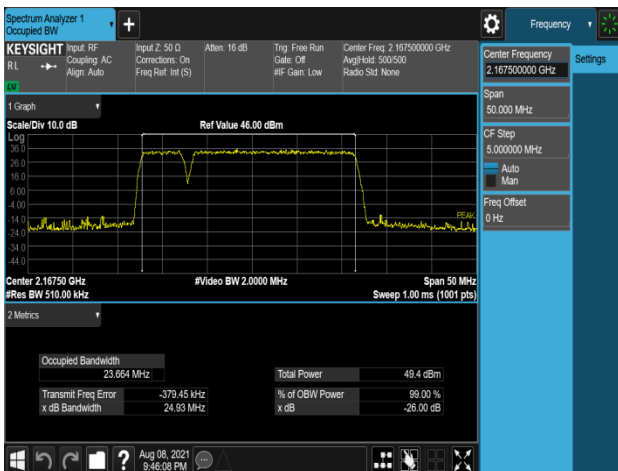(B66_5M+20M_2C_64QAM - Mid Channel, Port 2)
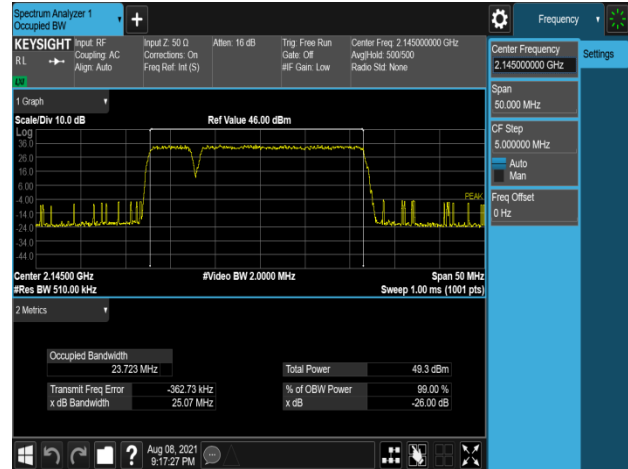
Plot 7-176. Occupied Bandwidth Plot
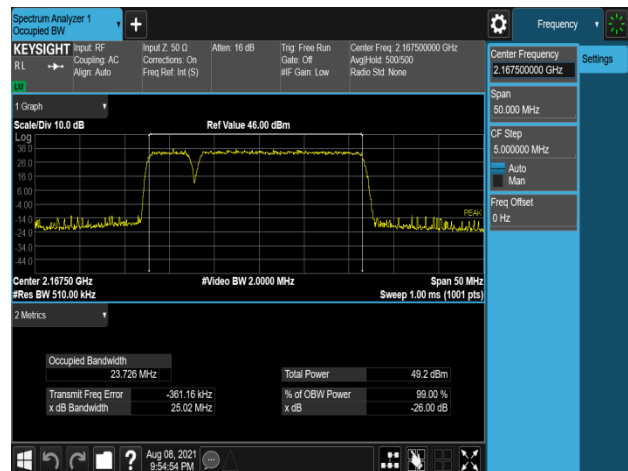(B66_5M+20M_2C_256QAM – Mid Channel, Port 0)

Plot 7-177. Occupied Bandwidth Plot
(B66_5M+20M_2C_QPSK - High Channel, Port 2)

Plot 7-178. Occupied Bandwidth Plot
(B66_5M+20M_2C_16QAM – High Channel, Port 0)

Plot 7-179. Occupied Bandwidth Plot
(B66_5M+20M_2C_64QAM - High Channel, Port 0)

Plot 7-180. Occupied Bandwidth Plot
(B66_5M+20M_2C_256QAM – High Channel, Port 2)

FCC ID: A3LRF4437D-25D	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21071202-02-R2.A3L	**Test Dates:** 07/19/2021-08/18/2021	**EUT Type:** RRU(RF4437d)		Page 55 of 430

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