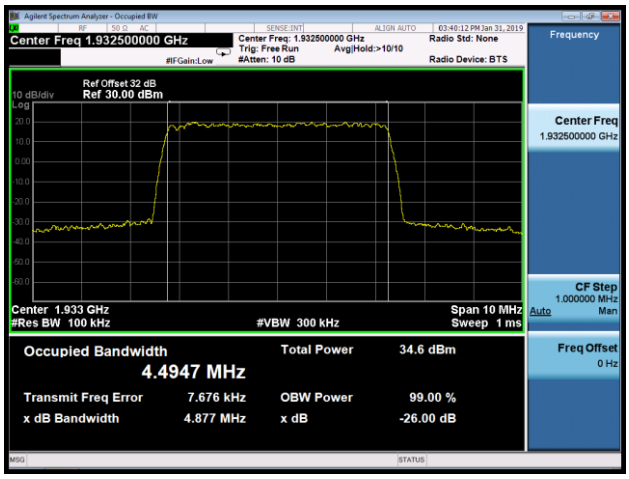
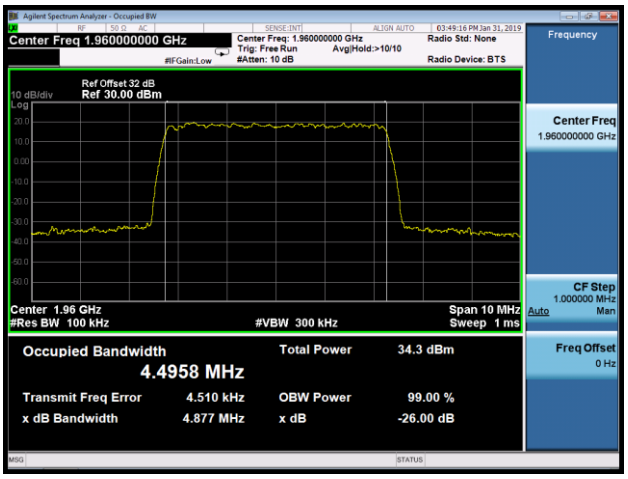
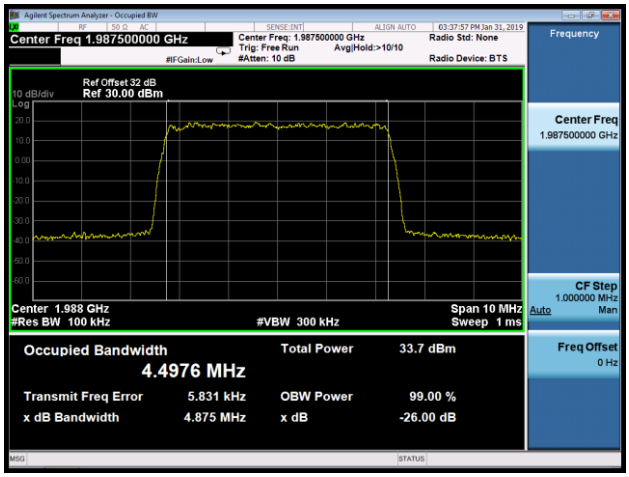
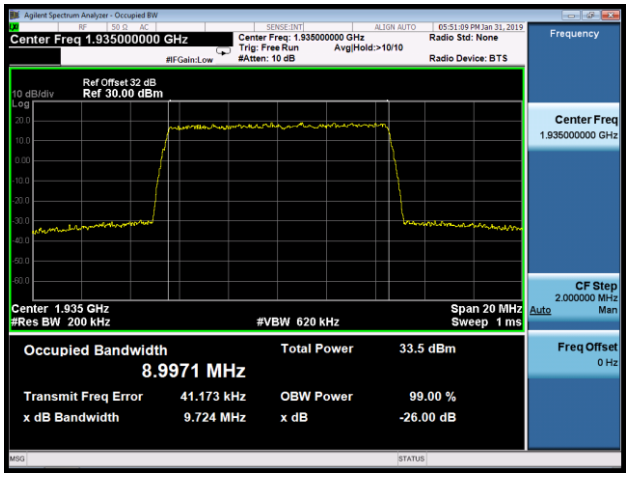
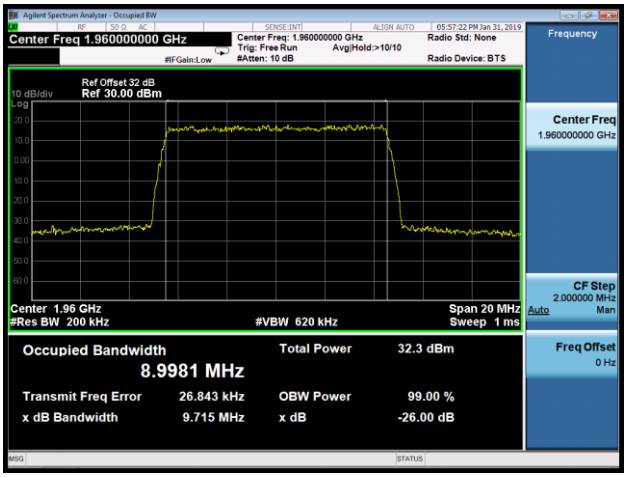
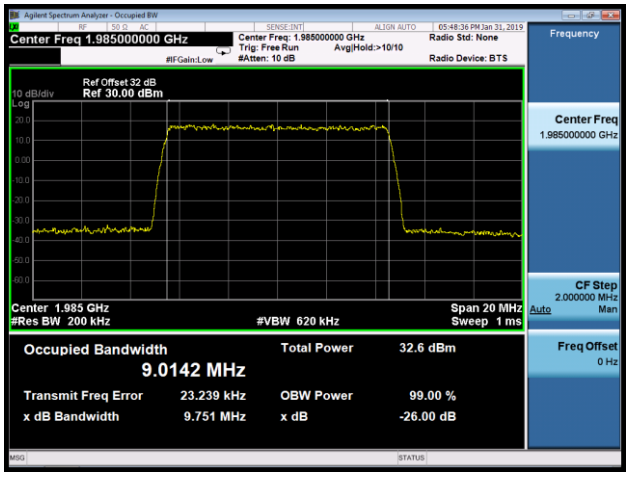
26dB Bandwidth - 64QAM

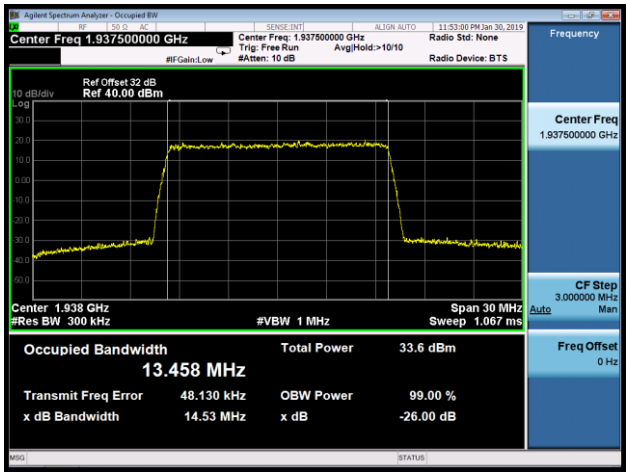
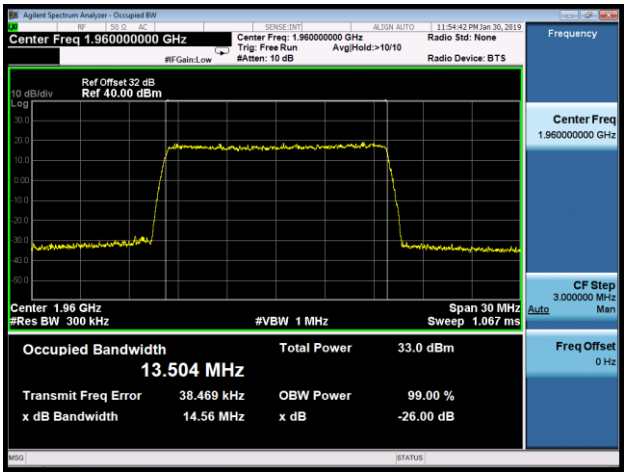
5MHz Channel Bandwidth

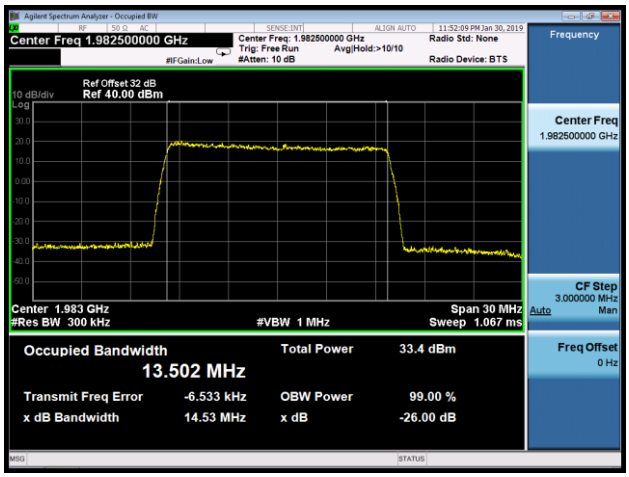
1932.5MHz	1960.0MHz
	
1987.5MHz	
	

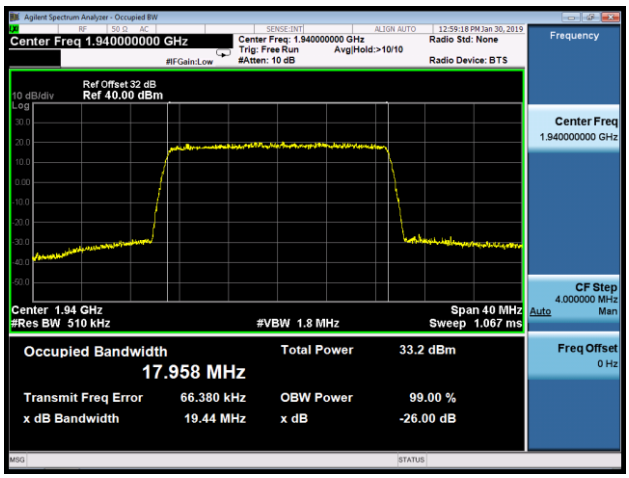
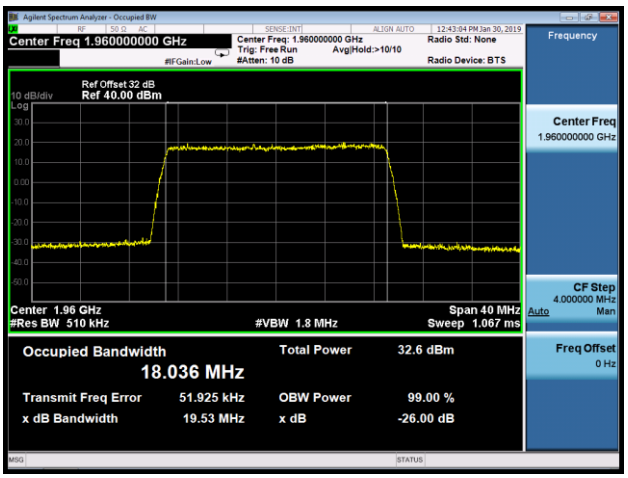
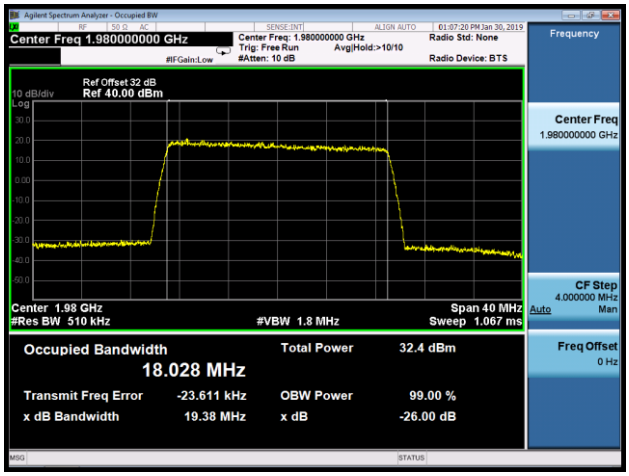
10MHz Channel Bandwidth

1935.0MHz	1960.0MHz
	

1985.0MHz	
	

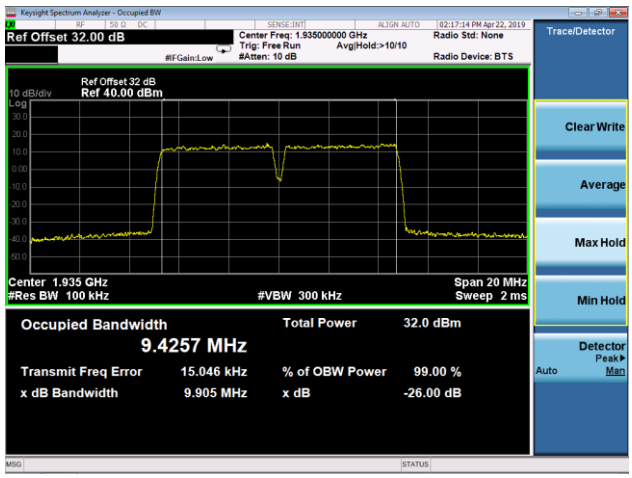
15MHz Channel Bandwidth	
1937.5MHz	1960.0MHz
	

1982.5MHz	
	

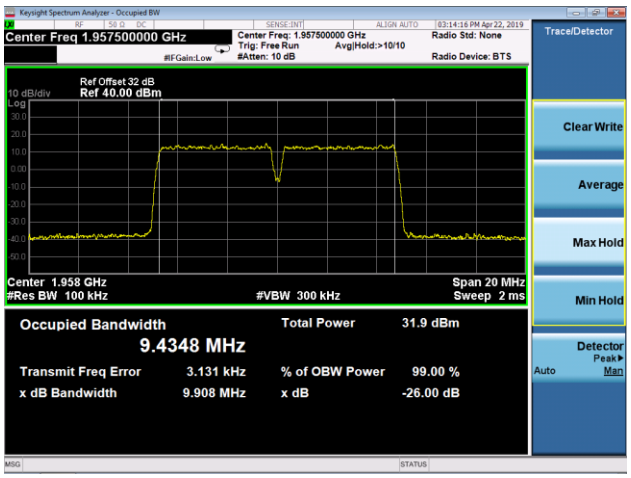
20MHz Channel Bandwidth	
1940.0MHz	1960.0MHz
	
1980.0MHz	
	

5 + 5MHz Channel Bandwidth

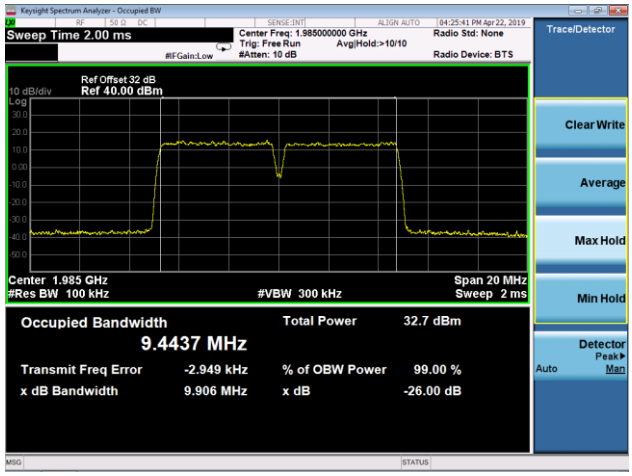
1932.5MHz + 1937.5MHz



1955.0MHz + 1960.0MHz

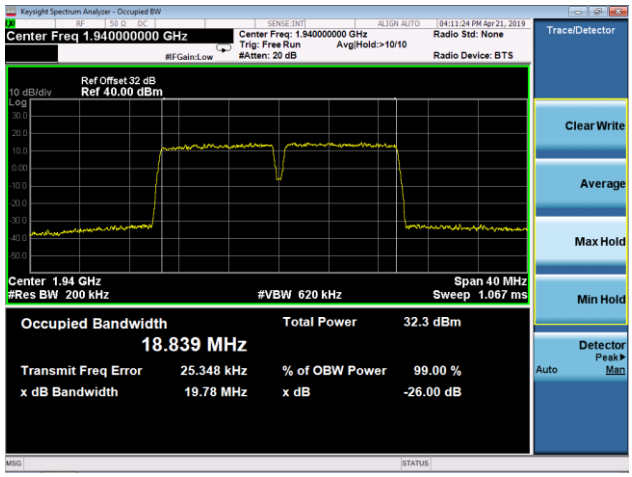


1982.5MHz + 1987.5MHz

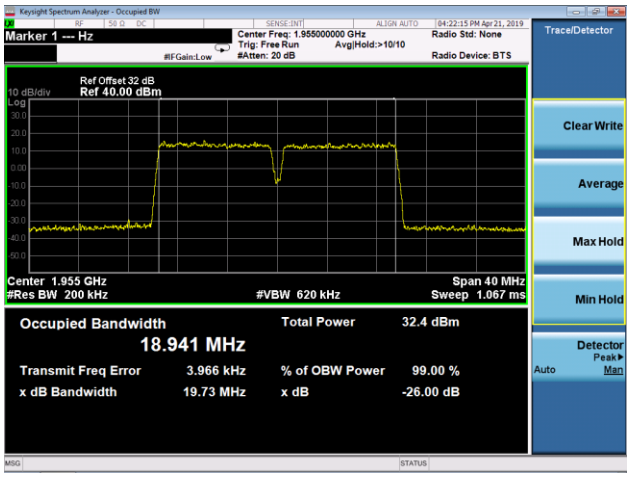


10 + 10MHz Channel Bandwidth

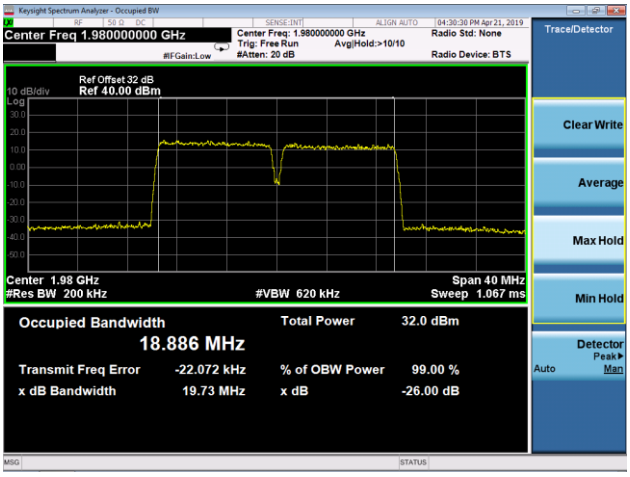
1935.0MHz + 1945.0MHz



1950.0MHz + 1960.0MHz

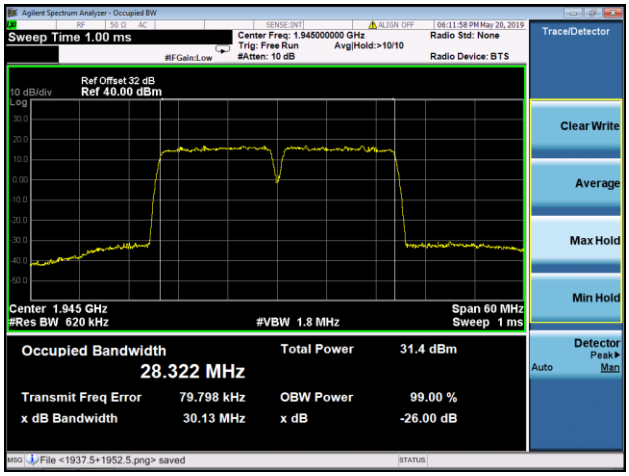


1975.0MHz + 1985.0MHz

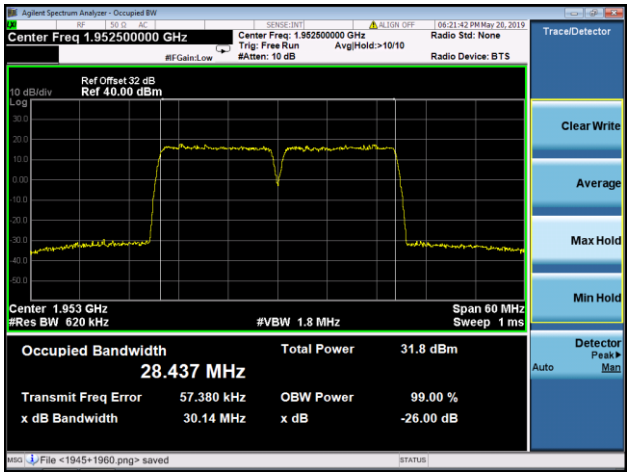


15 + 15MHz Channel Bandwidth

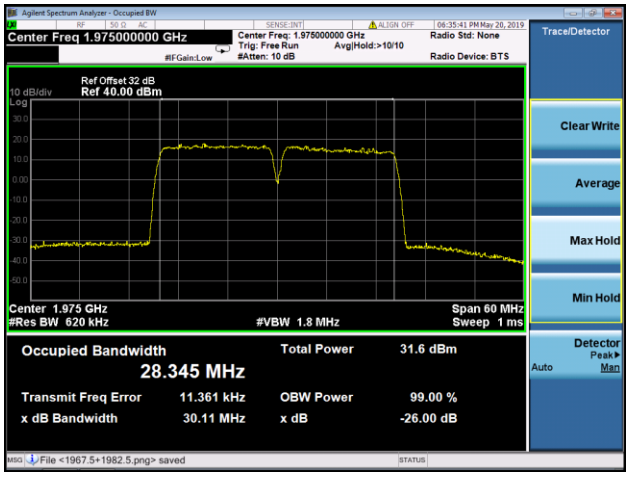
1937.5MHz + 1952.5MHz

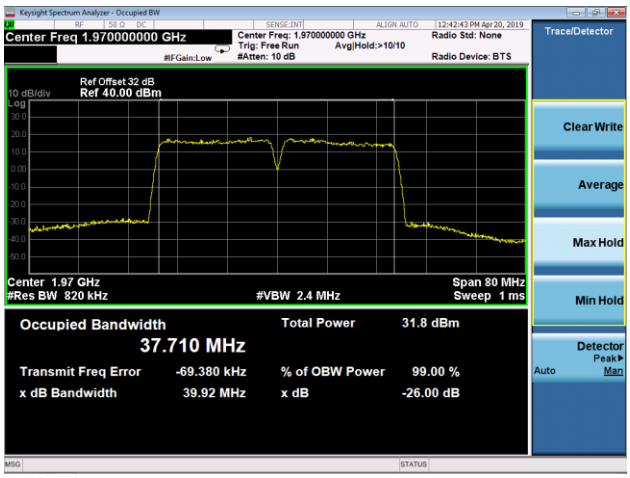


1945.0MHz + 1960.0MHz



1967.5MHz + 1982.5MHz

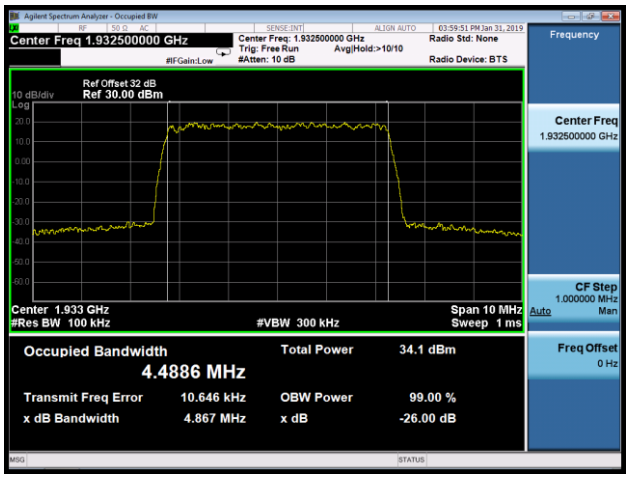


20 + 20MHz Channel Bandwidth	
1940.0MHz + 1960.0MHz	1960.0MHz + 1980.0MHz
	

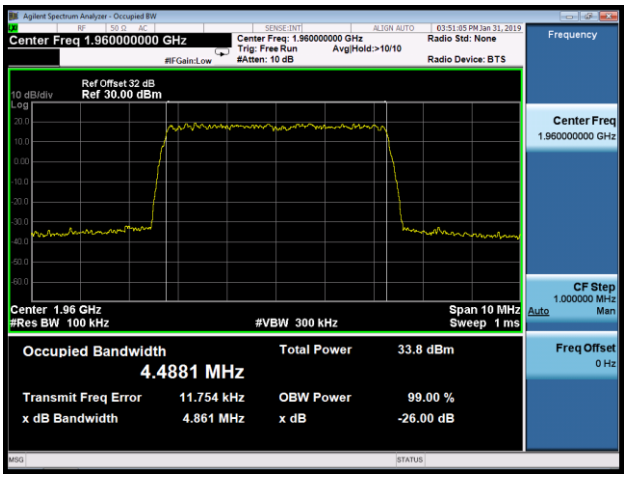
26dB Bandwidth - 256QAM

5MHz Channel Bandwidth

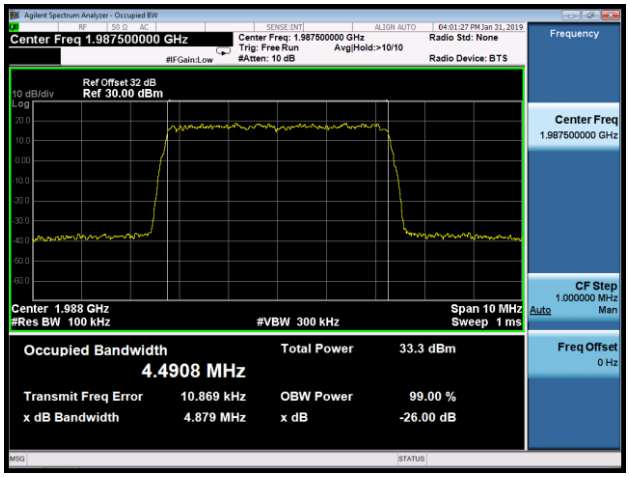
1932.5MHz



1960.0MHz

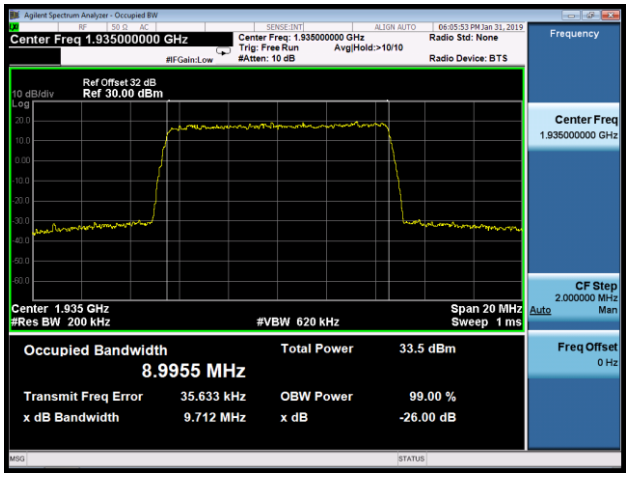


1987.5MHz

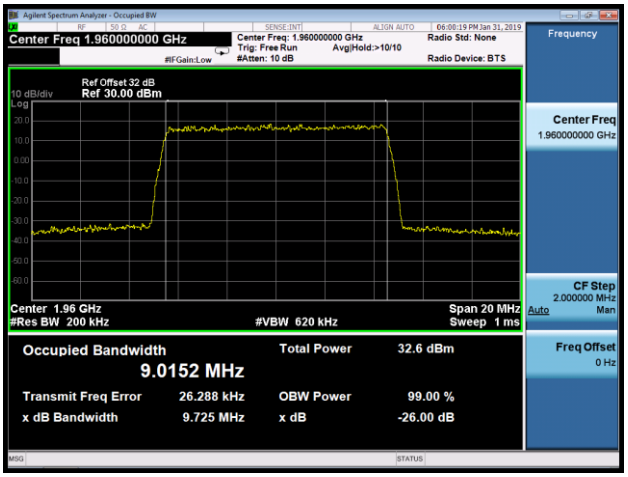


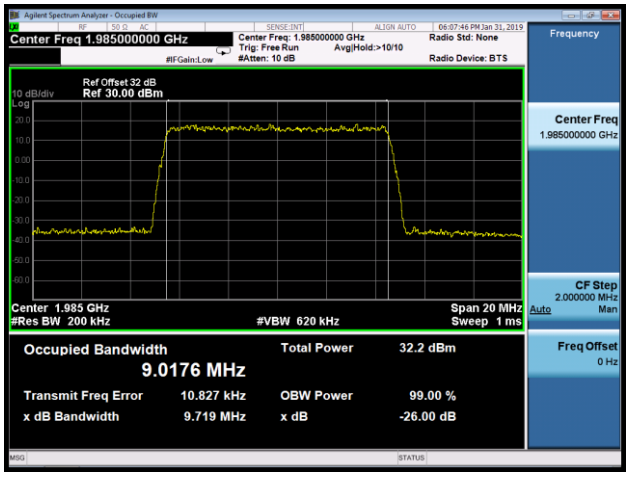
10MHz Channel Bandwidth

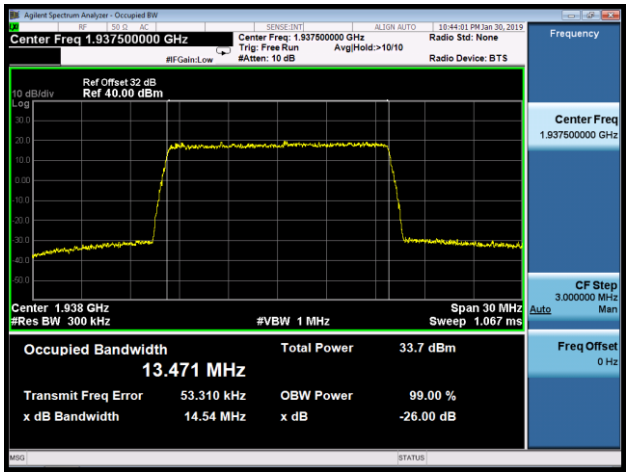
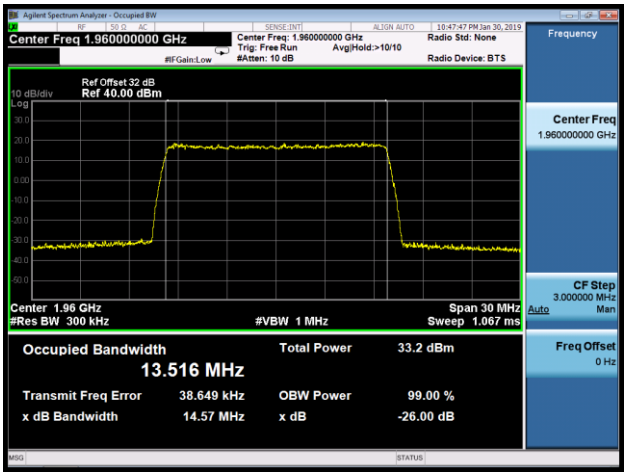
1935.0MHz

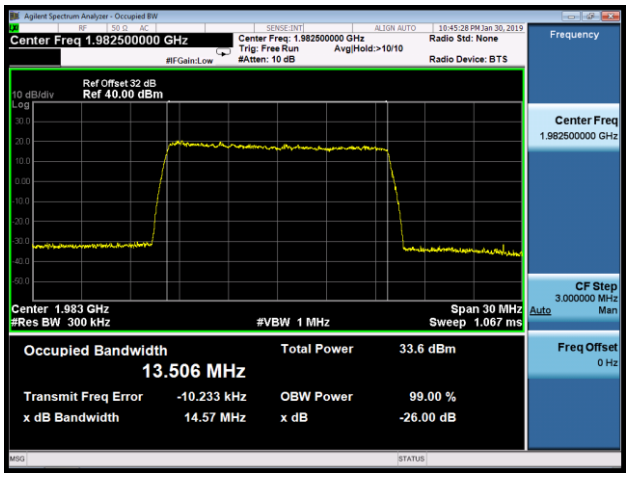


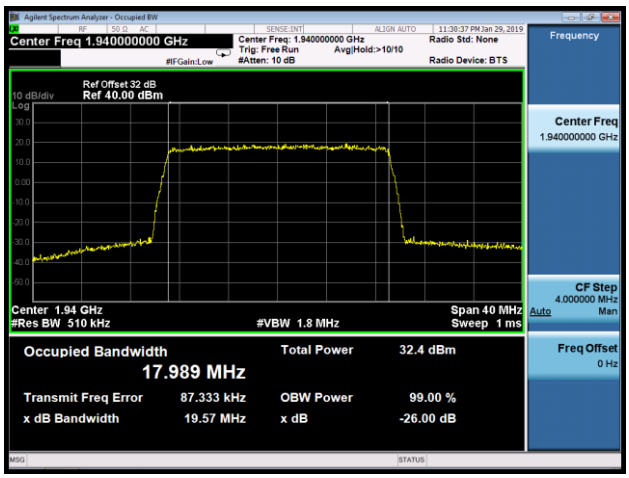
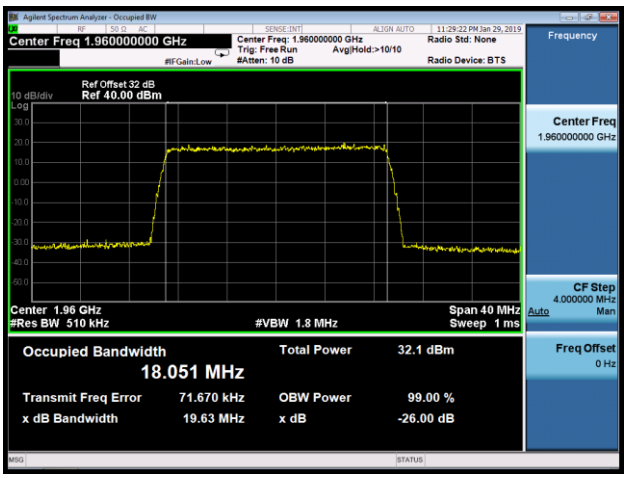
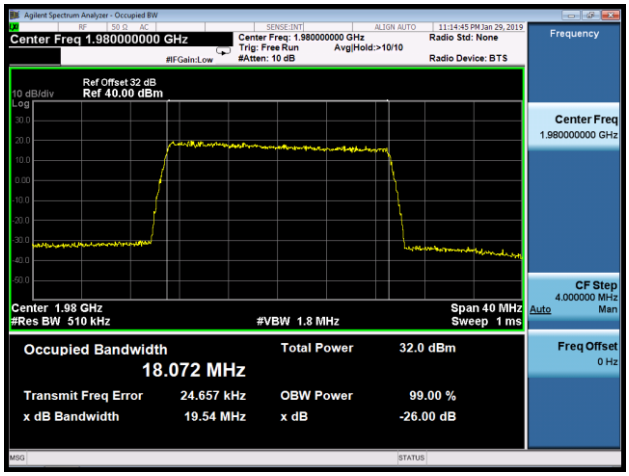
1960.0MHz



1985.0MHz	
	

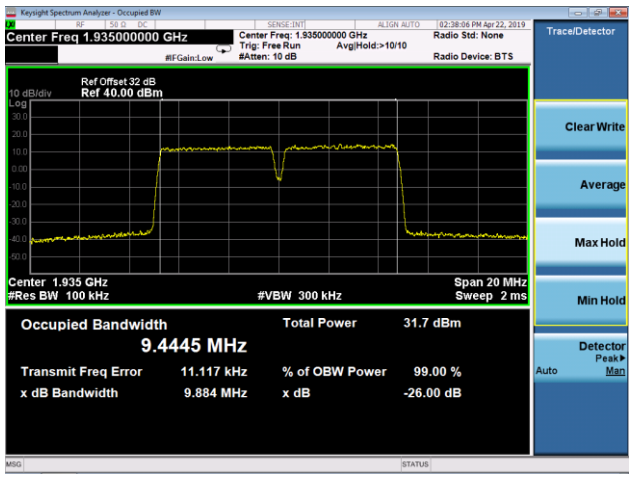
15MHz Channel Bandwidth	
1937.5MHz	1960.0MHz
	

1982.5MHz	
	

20MHz Channel Bandwidth	
1940.0MHz	1960.0MHz
	
1980.0MHz	
	

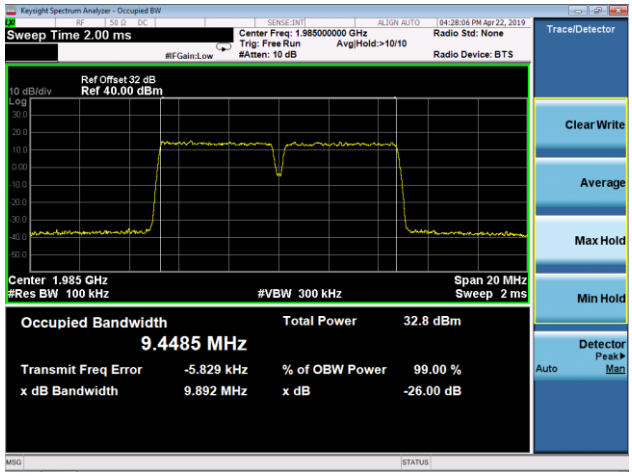
5 + 5MHz Channel Bandwidth

1932.5MHz + 1937.5MHz



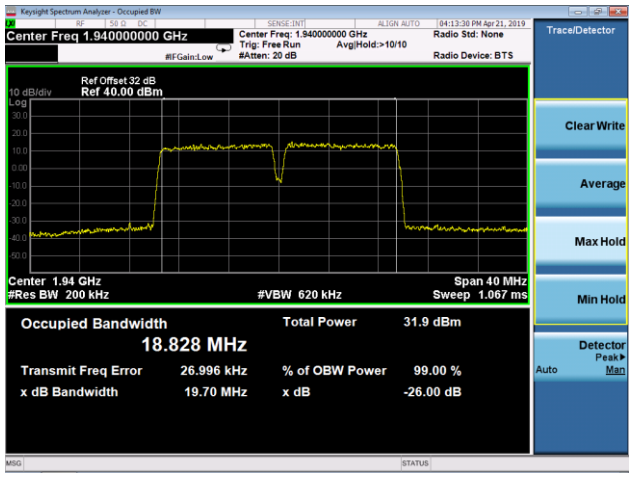
1955.0MHz + 1960.0MHz

1982.5MHz + 1987.5MHz

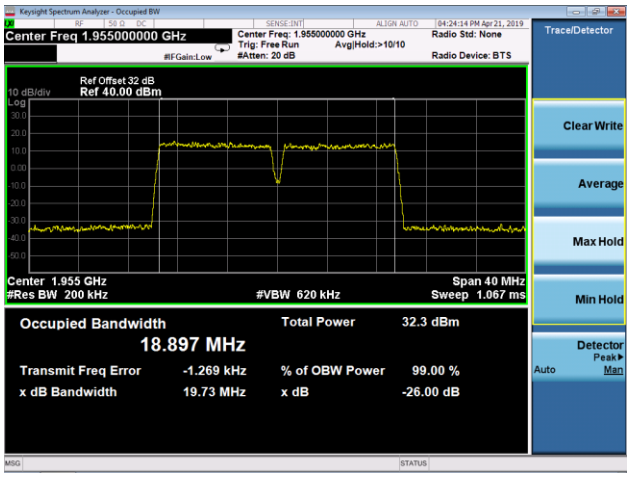


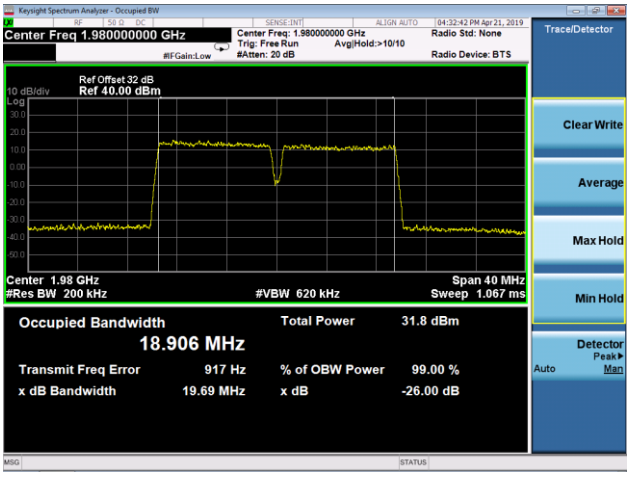
10 + 10MHz Channel Bandwidth

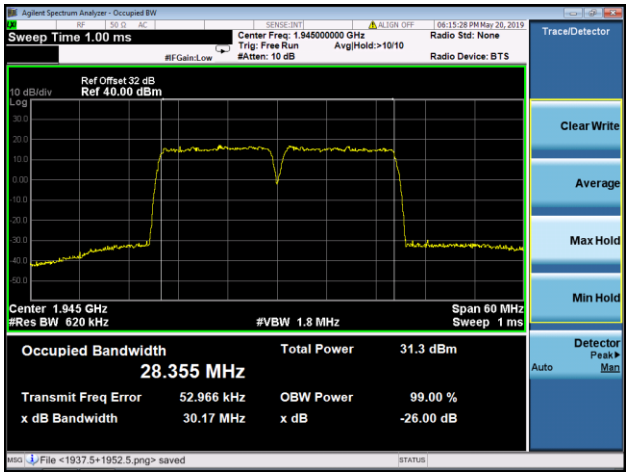
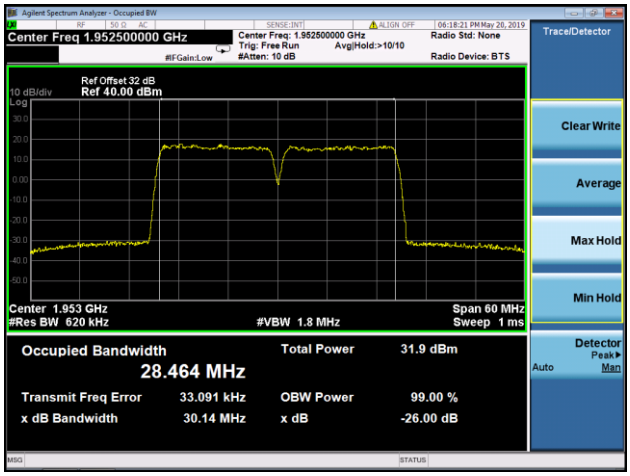
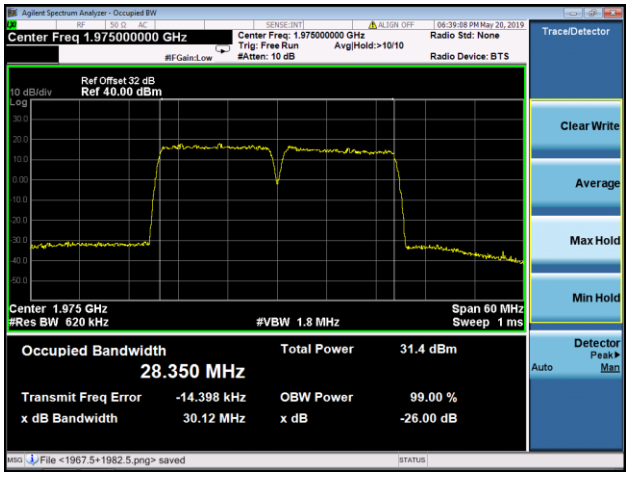
1935.0MHz + 1945.0MHz



1950.0MHz + 1960.0MHz



1975.0MHz + 1985.0MHz	
	

15 + 15MHz Channel Bandwidth	
1937.5MHz + 1952.5MHz	1945.0MHz + 1960.0MHz
	
1967.5MHz + 1982.5MHz	
	

20 + 20MHz Channel Bandwidth	
1940.0MHz + 1960.0MHz	1960.0MHz + 1980.0MHz

Product	AirScale Indoor Radio ASiR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2019/01/30 ~ 2019/04/22
Test Item	Emission Bandwidth - LTE Band 66 (Single Carrier)		

Channel	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK				
66461	2112.5	5	4.89	4.51
66786	2145.0	5	4.85	4.50
67111	2177.5	5	4.84	4.51
66486	2115.0	10	9.73	9.00
66786	2145.0	10	9.59	8.98
67086	2175.0	10	9.71	9.01
66511	2117.5	15	14.51	13.49
66786	2145.0	15	14.51	13.49
67061	2172.5	15	14.51	13.49
66536	2120.0	20	19.50	18.06
66786	2145.0	20	19.52	18.05
67036	2170.0	20	19.47	18.05
16QAM				
66461	2112.5	5	4.84	4.50
66786	2145.0	5	4.83	4.50
67111	2177.5	5	4.85	4.49
66486	2115.0	10	9.72	9.04
66786	2145.0	10	9.70	9.03
67086	2175.0	10	9.71	9.03
66511	2117.5	15	14.54	13.50
66786	2145.0	15	14.56	13.51
67061	2172.5	15	14.54	13.50
66536	2120.0	20	19.51	18.08
66786	2145.0	20	19.61	18.08
67036	2170.0	20	19.61	18.07

Channel	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
64QAM				
66461	2112.5	5	4.87	4.50
66786	2145.0	5	4.86	4.52
67111	2177.5	5	4.86	4.52
66486	2115.0	10	9.71	8.97
66786	2145.0	10	9.67	8.97
67086	2175.0	10	9.64	8.98
66511	2117.5	15	14.56	13.47
66786	2145.0	15	14.55	13.47
67061	2172.5	15	14.56	13.48
66536	2120.0	20	19.61	18.00
66786	2145.0	20	19.65	18.01
67036	2170.0	20	19.65	18.00
256QAM				
66461	2112.5	5	4.87	4.51
66786	2145.0	5	4.88	4.51
67111	2177.5	5	4.84	4.50
66486	2115.0	10	9.73	8.99
66786	2145.0	10	9.68	8.98
67086	2175.0	10	9.70	8.98
66511	2117.5	15	14.62	13.48
66786	2145.0	15	14.65	13.49
67061	2172.5	15	14.63	13.49
66536	2120.0	20	19.53	18.05
66786	2145.0	20	19.60	18.05
67036	2170.0	20	19.61	18.04

Product	AirScale Indoor Radio ASiR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2019/01/30 ~ 2019/04/22
Test Item	Emission Bandwidth - LTE Band 66 (Multi Carrier)		

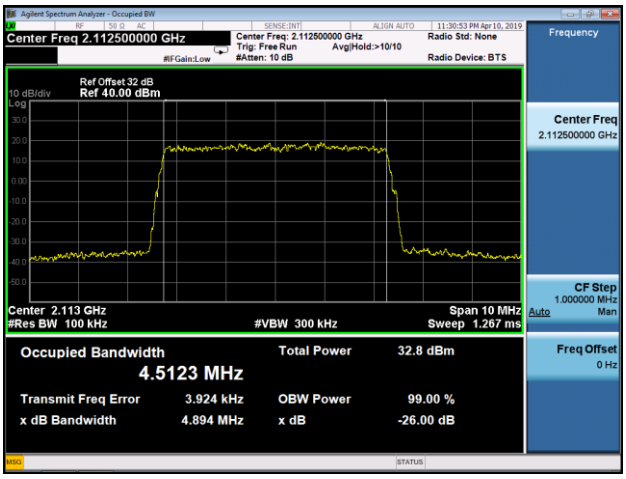
Channel	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK				
66461 + 66511	2112.5 + 2117.5	5 + 5	9.86	9.43
66736 + 66786	2140.0 + 2145.0	5 + 5	9.86	9.44
67061 + 67111	2172.5 + 2177.5	5 + 5	9.87	9.44
66486 + 66586	2115.0 + 2125.0	10 + 10	19.74	18.89
66686 + 66786	2135.0 + 2145.0	10 + 10	19.75	18.86
66986 + 67086	2165.0 + 2175.0	10 + 10	19.75	18.87
66511 + 66661	2117.5 + 2132.5	15 + 15	30.04	28.54
66636 + 66786	2130.0 + 2145.0	15 + 15	30.08	28.51
66911 + 67061	2157.5 + 2172.5	15 + 15	30.07	28.52
66536 + 66736	2120.0 + 2140.0	20 + 20	39.91	37.83
66586 + 66786	2125.0 + 2145.0	20 + 20	40.04	37.81
66836 + 67036	2150.0 + 2170.0	20 + 20	39.90	37.81
16QAM				
66461 + 66511	2112.5 + 2117.5	5 + 5	9.87	9.44
66736 + 66786	2140.0 + 2145.0	5 + 5	9.86	9.44
67061 + 67111	2172.5 + 2177.5	5 + 5	9.86	9.43
66486 + 66586	2115.0 + 2125.0	10 + 10	19.78	18.91
66686 + 66786	2135.0 + 2145.0	10 + 10	19.72	18.88
66986 + 67086	2165.0 + 2175.0	10 + 10	19.67	18.88
66511 + 66661	2117.5 + 2132.5	15 + 15	30.09	28.49
66636 + 66786	2130.0 + 2145.0	15 + 15	30.10	28.52
66911 + 67061	2157.5 + 2172.5	15 + 15	30.00	28.50
66536 + 66736	2120.0 + 2140.0	20 + 20	40.07	37.92
66586 + 66786	2125.0 + 2145.0	20 + 20	40.04	37.88
66836 + 67036	2150.0 + 2170.0	20 + 20	39.98	37.87

Channel	Frequency (MHz)	Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
64QAM				
66461 + 66511	2112.5 + 2117.5	5 + 5	9.89	9.43
66736 + 66786	2140.0 + 2145.0	5 + 5	9.91	9.44
67061 + 67111	2172.5 + 2177.5	5 + 5	9.89	9.43
66486 + 66586	2115.0 + 2125.0	10 + 10	19.79	18.91
66686 + 66786	2135.0 + 2145.0	10 + 10	19.79	18.89
66986 + 67086	2165.0 + 2175.0	10 + 10	19.73	18.86
66511 + 66661	2117.5 + 2132.5	15 + 15	30.17	28.38
66636 + 66786	2130.0 + 2145.0	15 + 15	30.14	28.40
66911 + 67061	2157.5 + 2172.5	15 + 15	30.11	28.41
66536 + 66736	2120.0 + 2140.0	20 + 20	40.00	37.76
66586 + 66786	2125.0 + 2145.0	20 + 20	40.13	37.88
66836 + 67036	2150.0 + 2170.0	20 + 20	40.12	37.87
256QAM				
66461 + 66511	2112.5 + 2117.5	5 + 5	9.89	9.45
66736 + 66786	2140.0 + 2145.0	5 + 5	9.89	9.43
67061 + 67111	2172.5 + 2177.5	5 + 5	9.88	9.44
66486 + 66586	2115.0 + 2125.0	10 + 10	19.80	18.89
66686 + 66786	2135.0 + 2145.0	10 + 10	19.70	18.87
66986 + 67086	2165.0 + 2175.0	10 + 10	19.76	18.89
66511 + 66661	2117.5 + 2132.5	15 + 15	30.21	28.46
66636 + 66786	2130.0 + 2145.0	15 + 15	30.19	28.44
66911 + 67061	2157.5 + 2172.5	15 + 15	30.15	28.44
66536 + 66736	2120.0 + 2140.0	20 + 20	39.93	37.93
66586 + 66786	2125.0 + 2145.0	20 + 20	40.11	37.92
66836 + 67036	2150.0 + 2170.0	20 + 20	10.17	37.93

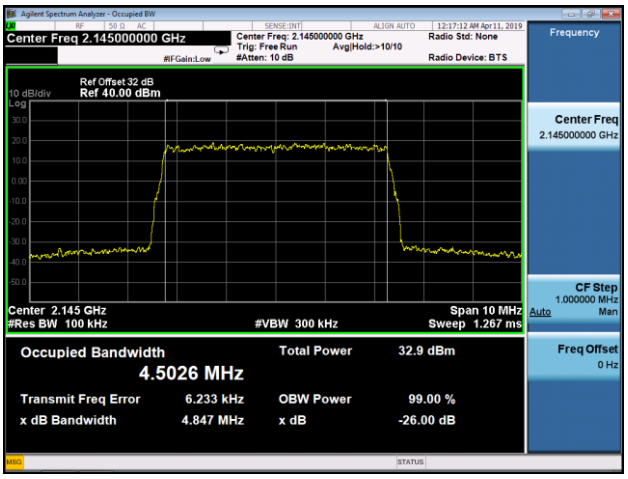
26dB Bandwidth - QPSK

5MHz Channel Bandwidth

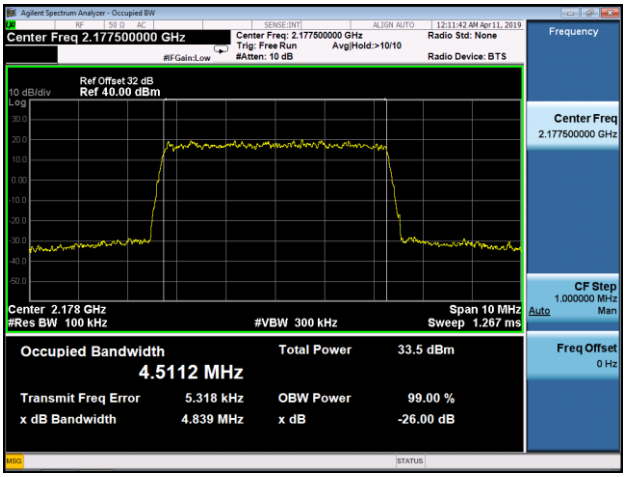
2112.5MHz



2145.0MHz

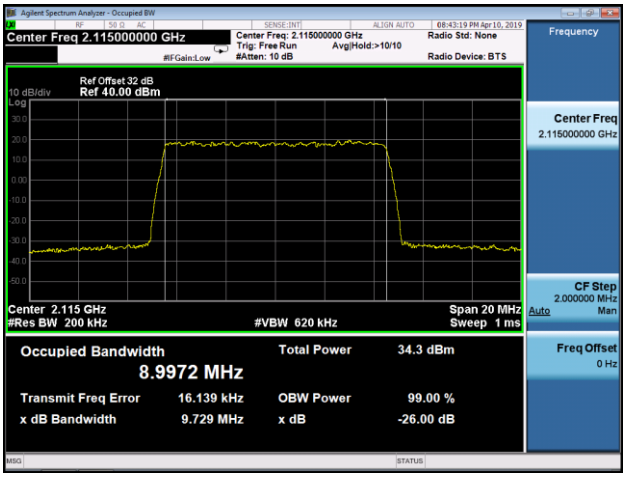


2177.5MHz

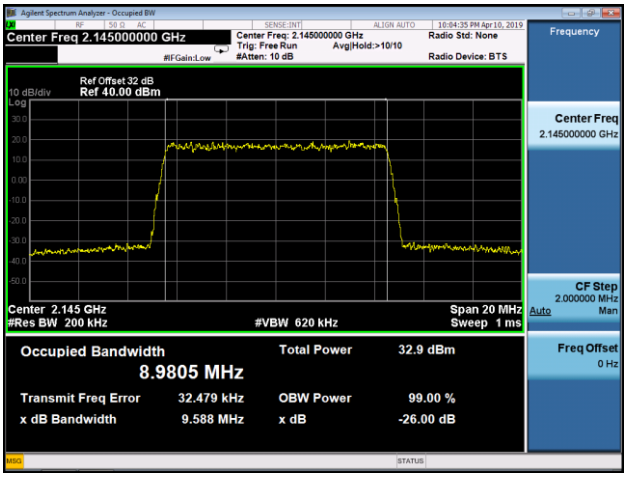


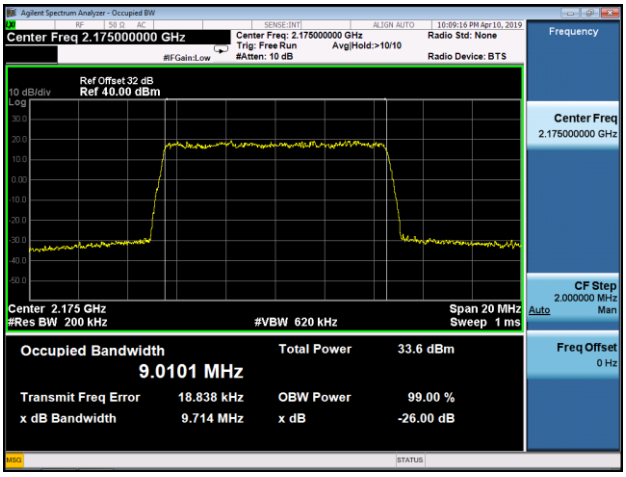
10MHz Channel Bandwidth

2115.0MHz

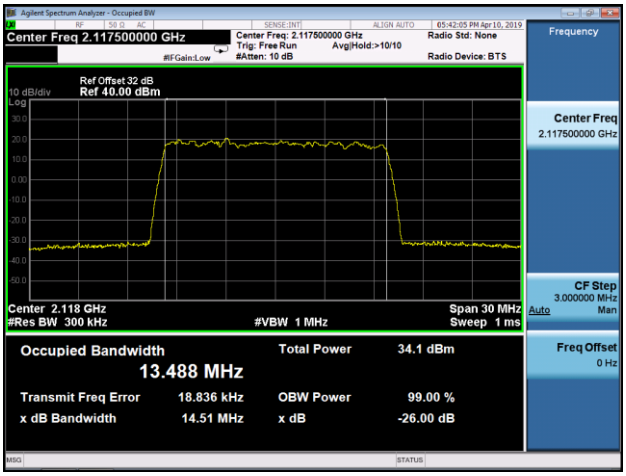
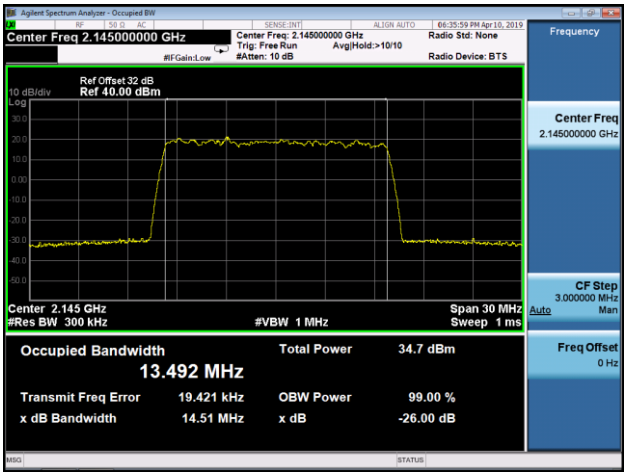


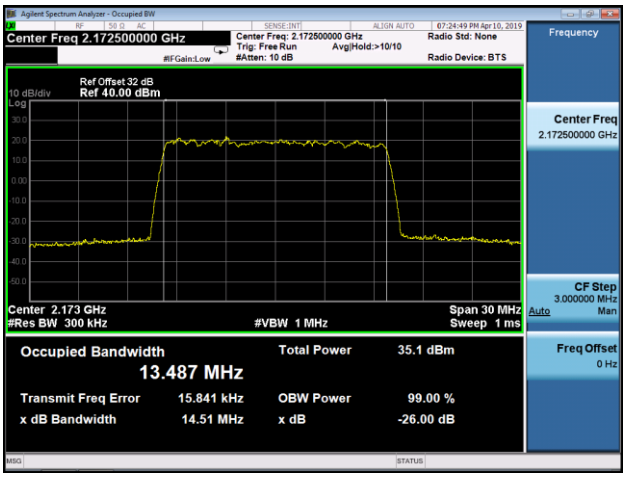
2145.0MHz

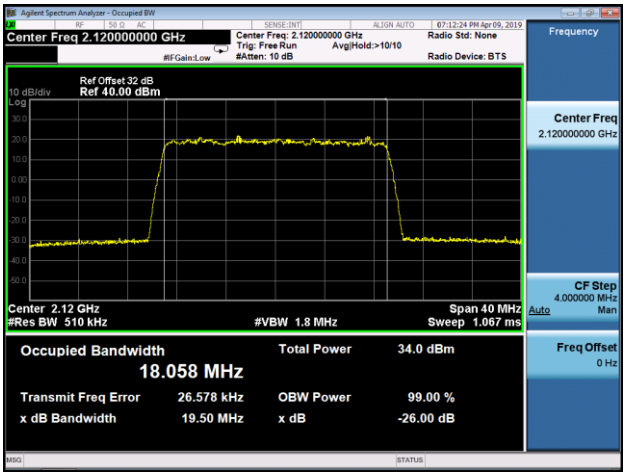
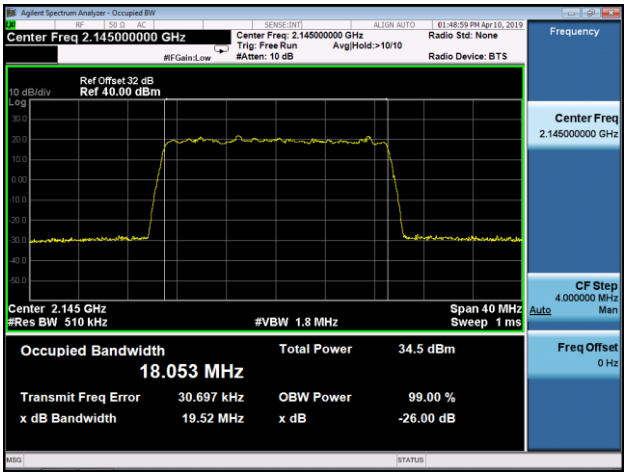
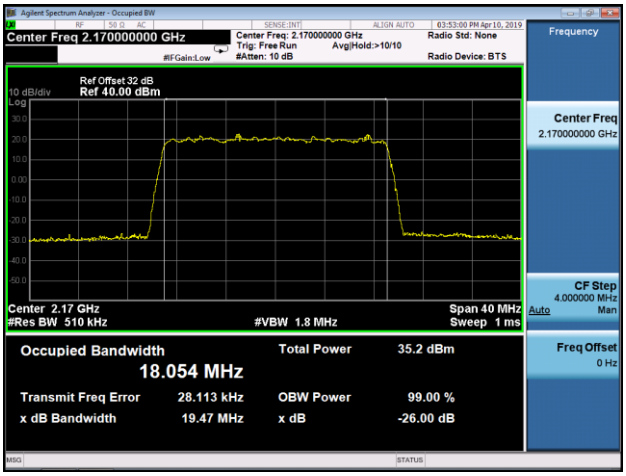


2175.0MHz	
	

15MHz Channel Bandwidth

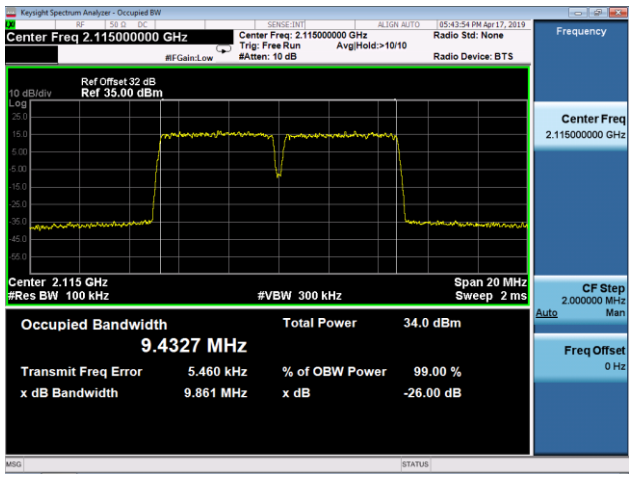
2117.5MHz	2145.0MHz
	

2172.5MHz	
	

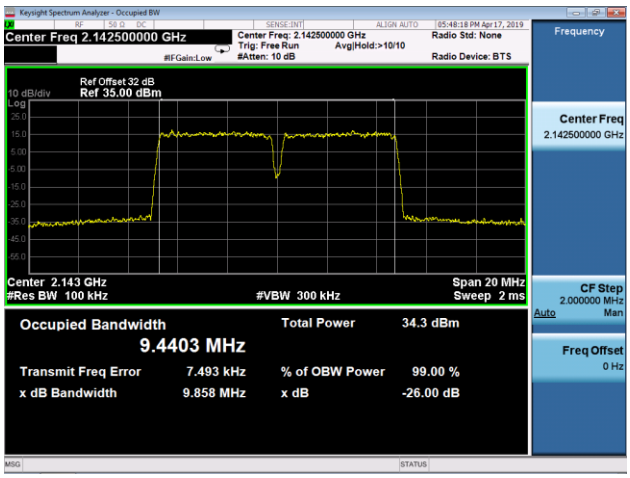
20MHz Channel Bandwidth	
2120.0MHz	2145.0MHz
	
2170.0MHz	
	

5 + 5MHz Channel Bandwidth

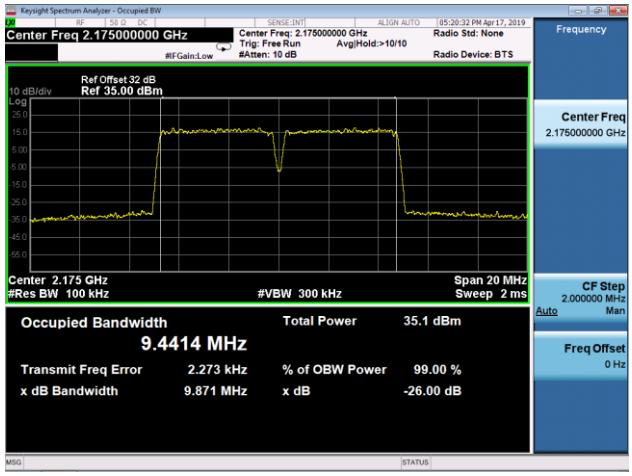
2112.5MHz + 2117.5MHz



2140.0MHz + 2145.0MHz

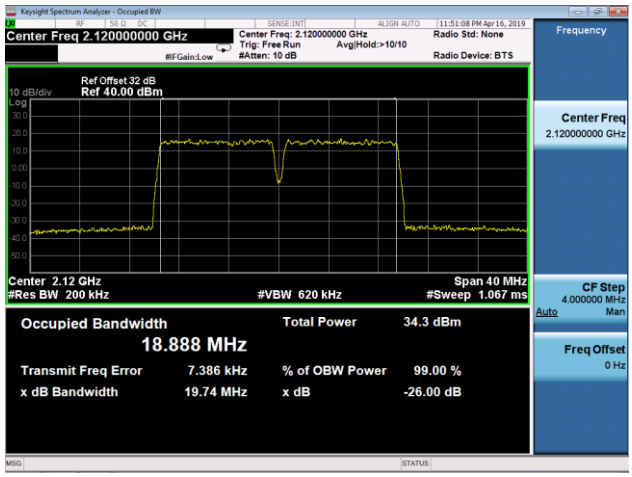
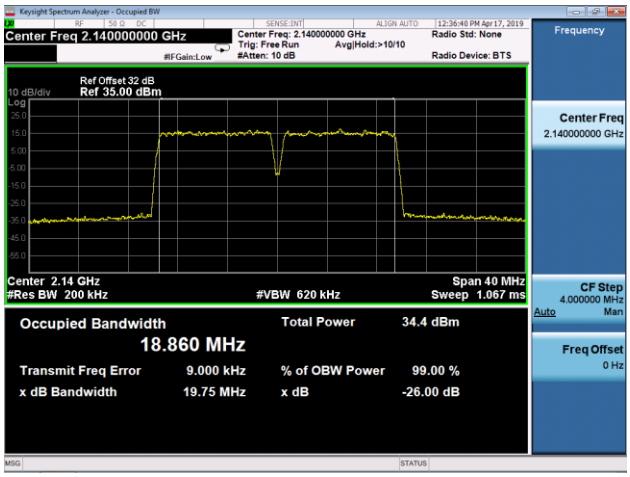


2172.5MHz + 2177.5MHz



10 + 10MHz Channel Bandwidth

2115.0MHz + 2125.0MHz



2135.0MHz + 2145.0MHz