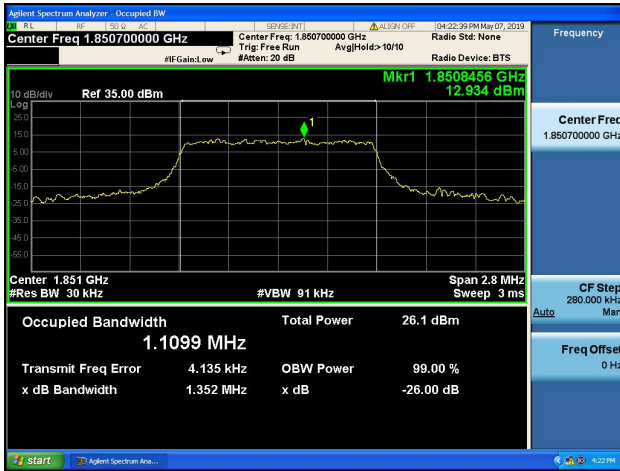
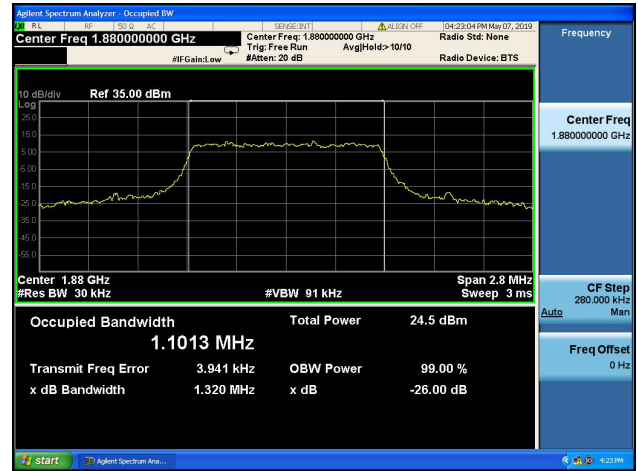




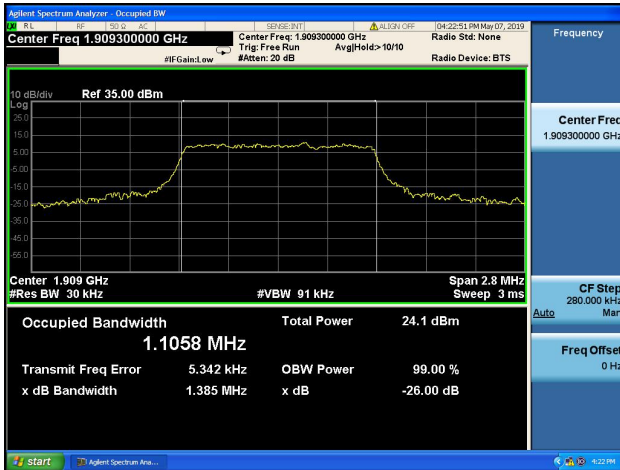
1.4MHz/64QAM/Low CH



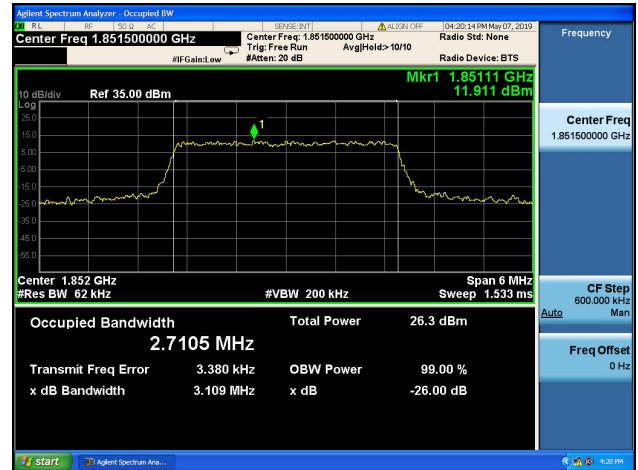
1.4MHz/64QAM/Mid CH



1.4MHz/64QAM/High CH



3MHz/64QAM/Low CH



3MHz/64QAM/Mid CH

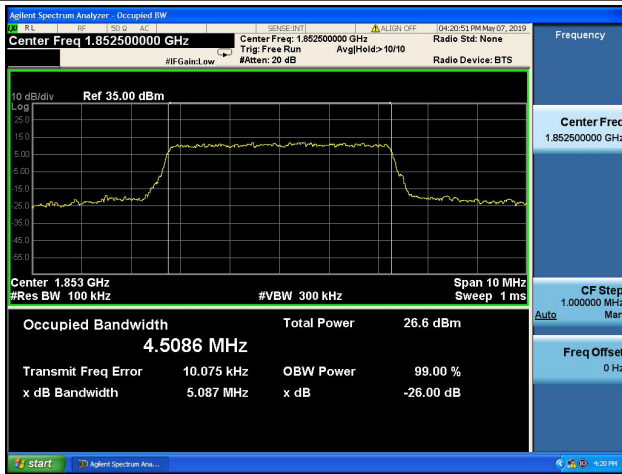


3MHz/64QAM/High CH





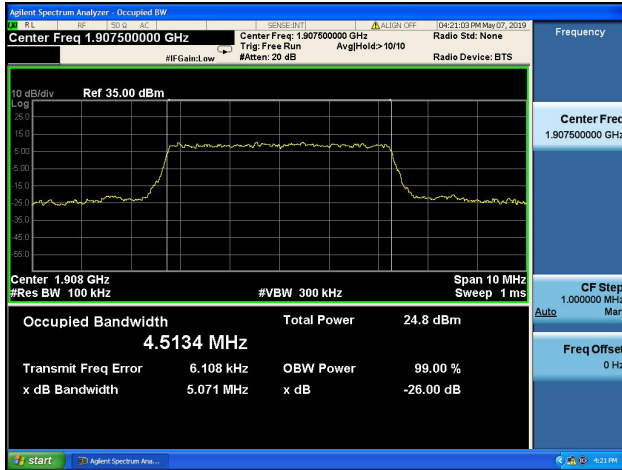
5MHz/64QAM/Low CH



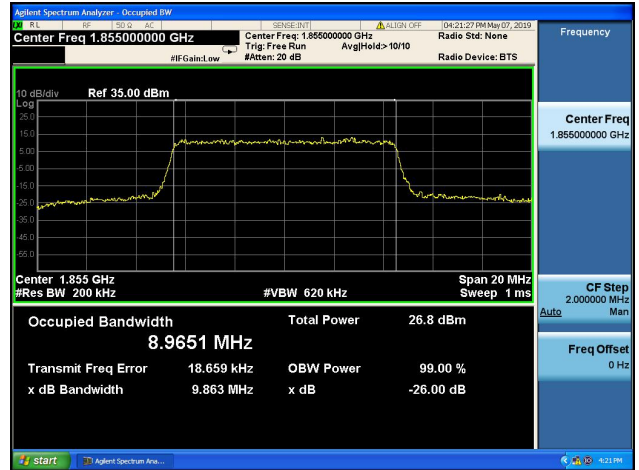
5MHz/64QAM/Mid CH



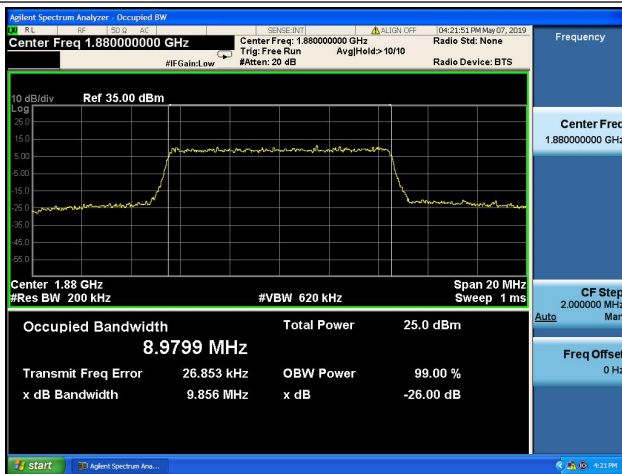
5MHz/64QAM/High CH



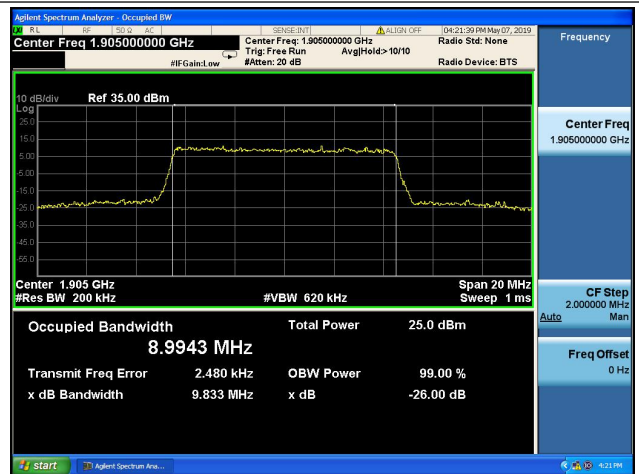
10MHz/64QAM/Low CH



10MHz/64QAM/Mid CH

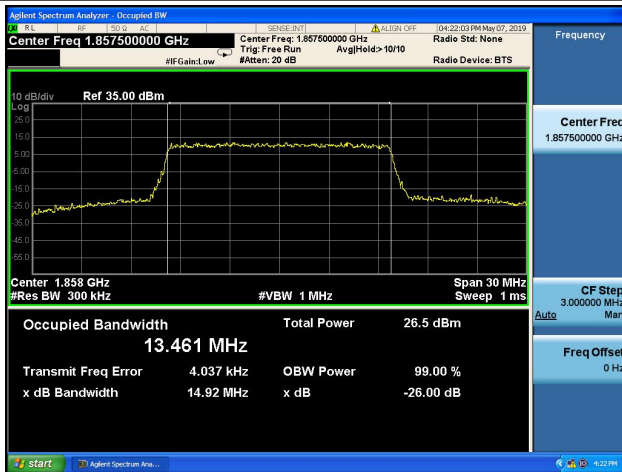


10MHz/64QAM/High CH

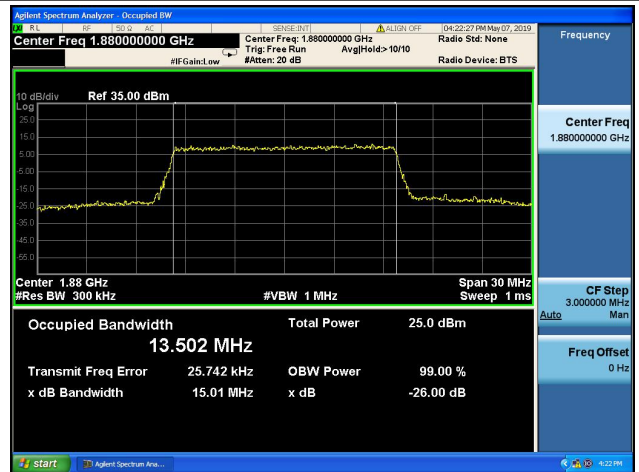




15MHz/64QAM/Low CH



15MHz/64QAM/Mid CH



15MHz/64QAM/High CH



20MHz/64QAM/Low CH



20MHz/64QAM/Mid CH



20MHz/64QAM/High CH





LTE Band 4,BW: 1.4MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.11	1.36	1.11	1.36
20175	1732.5	1.10	1.33	1.10	1.32
20392	1754.2	1.10	1.36	1.11	1.36
LTE Band 4,BW: 3MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
19965	1711.5	2.71	3.07	2.71	3.06
20175	1732.5	2.7	3.02	2.71	3.07
20384	1753.4	2.7	3.05	2.71	3.09
LTE Band 4,BW: 5MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
19975	1712.5	4.51	5.15	4.51	5.15
20175	1732.5	4.51	5.12	4.51	5.0
20375	1752.5	4.52	5.15	4.51	5.12
LTE Band 4,BW: 10MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20000	1715.0	9.02	9.89	8.98	9.87
20175	1732.5	9.0	9.88	8.96	9.86
20350	1750.0	9.01	9.98	8.98	9.86
LTE Band 4,BW: 15MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20025	1717.5	13.5	14.84	13.49	14.89
20175	1732.5	13.42	14.81	13.43	14.72
20325	1747.5	13.48	14.91	13.47	14.91



LTE Band 4,BW: 20MHz					
Channel	Frequency (MHz)	QPSK		16QAM	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
20050	1720.0	17.99	19.72	17.99	19.69
20175	1732.5	17.89	19.75	17.88	19.73
20300	1745.0	17.98	19.63	17.97	19.78

LTE Band 4,BW: 1.4MHz					
Channel	Frequency (MHz)	64QAM			
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
19957	1710.7	1.10	1.36		
20175	1732.5	1.10	1.32		
20392	1754.2	1.10	1.34		

LTE Band 4,BW: 3MHz					
Channel	Frequency (MHz)	64QAM			
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
19965	1711.5	2.70	3.06		
20175	1732.5	2.70	3.03		
20384	1753.4	2.70	3.04		

LTE Band 4,BW: 5MHz					
Channel	Frequency (MHz)	64QAM			
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
19975	1712.5	4.51	5.07		
20175	1732.5	4.50	5.10		
20375	1752.5	4.51	5.13		

LTE Band 4,BW: 10MHz					
Channel	Frequency (MHz)	64QAM			
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
20000	1715.0	8.98	9.85		
20175	1732.5	8.97	9.86		
20350	1750.0	8.98	9.93		

LTE Band 4,BW: 15MHz					
Channel	Frequency	64QAM			



	(MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
20025	1717.5	13.49	14.96		
20175	1732.5	13.43	14.97		
20325	1747.5	13.49	14.97		

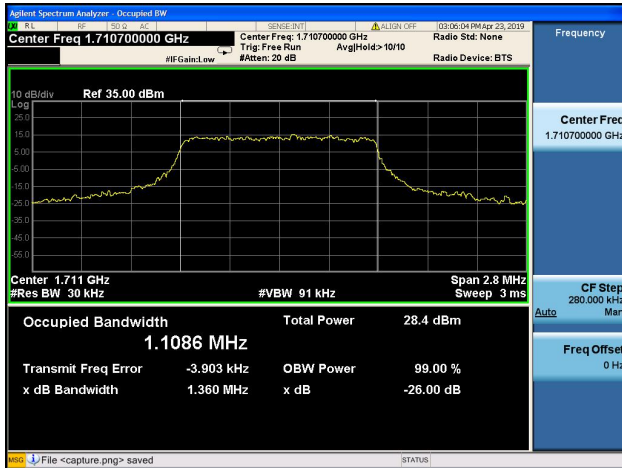
LTE Band 4,BW: 20MHz

Channel	Frequency (MHz)	64QAM			
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)		
20050	1720.0	17.98	19.59		
20175	1732.5	17.91	19.67		
20300	1745.0	17.97	19.61		

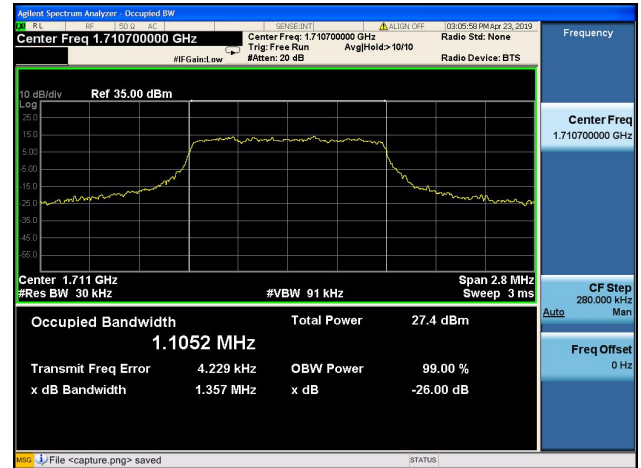


LTE Band 4 99%&26dB Bandwidth

1.4MHz/QPSK/Low CH



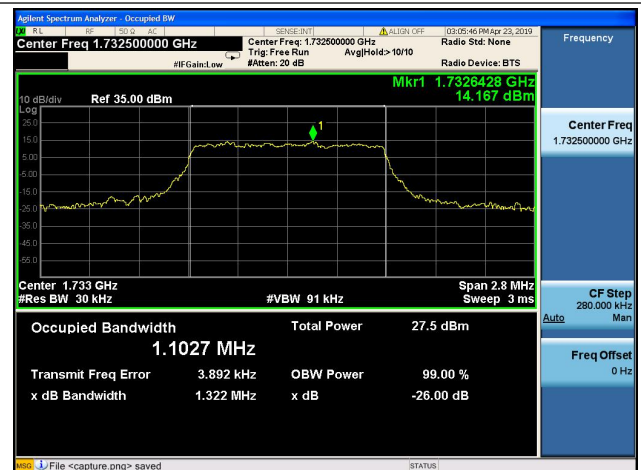
1.4MHz/16QAM/Low CH



1.4MHz/QPSK/Mid CH



1.4MHz/16QAM/Mid CH

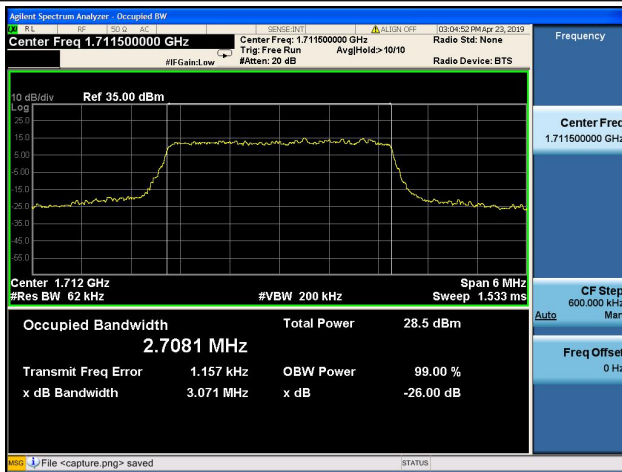
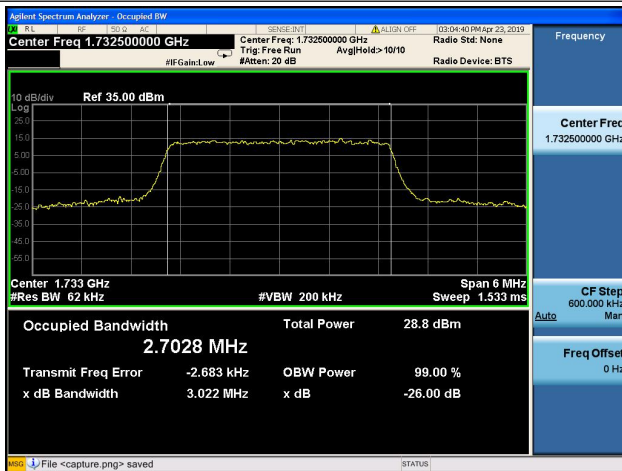
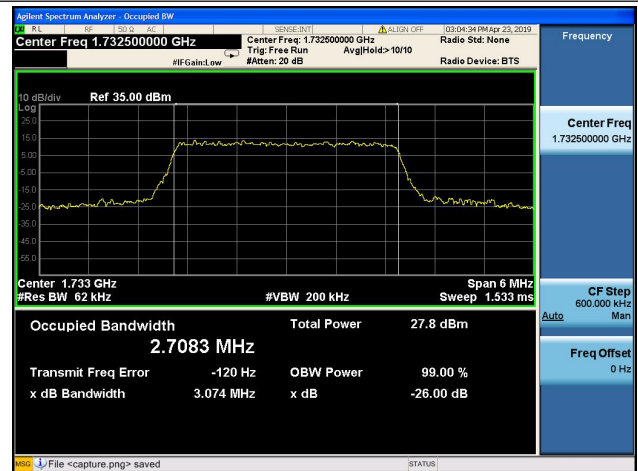


1.4MHz/QPSK/High CH



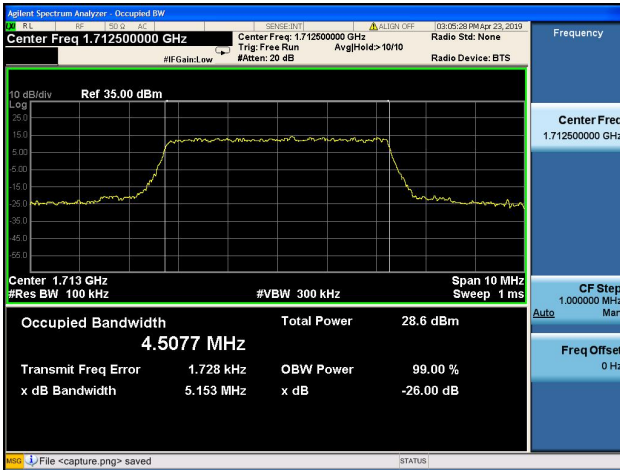
1.4MHz/16QAM/High CH



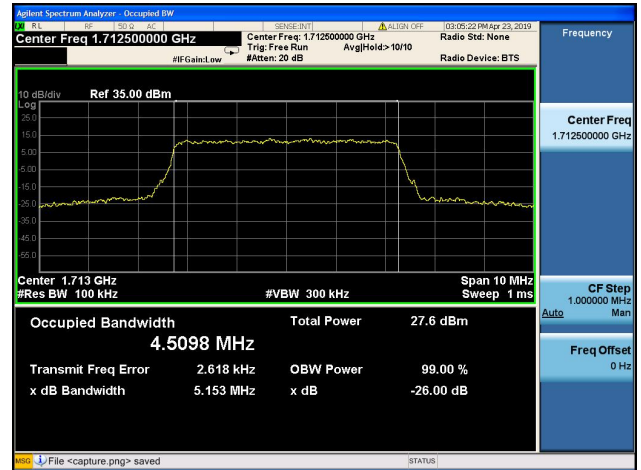
**3MHz/QPSK/Low CH****3MHz/16QAM/Low CH****3MHz/QPSK/Mid CH****3MHz/16QAM/Mid CH****3MHz/QPSK/High CH****3MHz/16QAM/High CH**



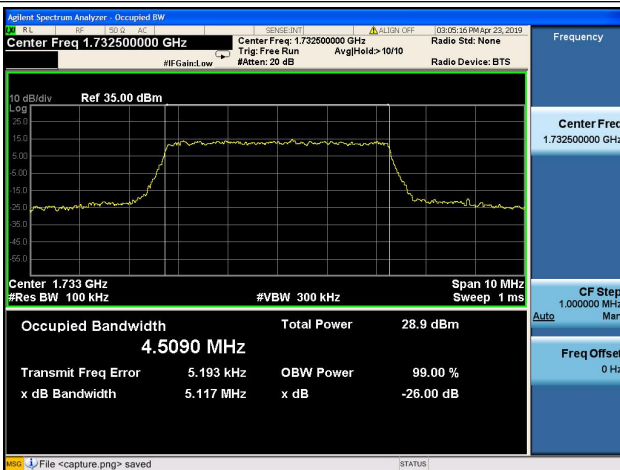
5MHz/QPSK/Low CH



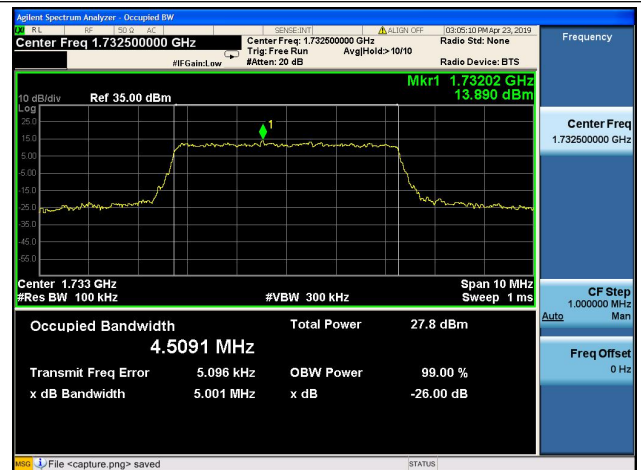
5MHz/16QAM/Low CH



5MHz/QPSK/Mid CH



5MHz/16QAM/Mid CH



5MHz/QPSK/High CH



5MHz/16QAM/High CH

