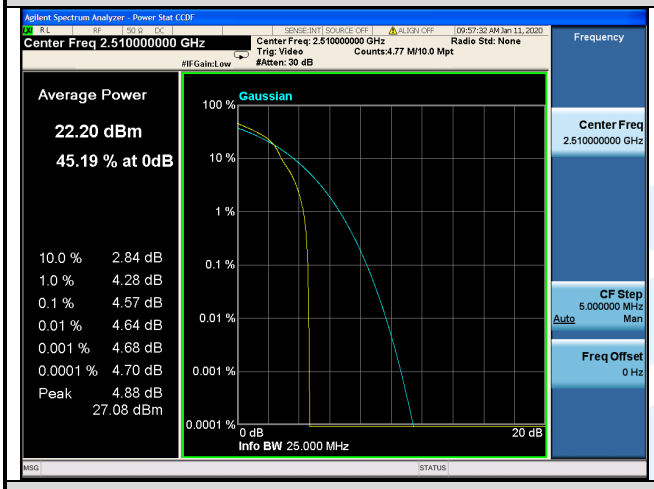
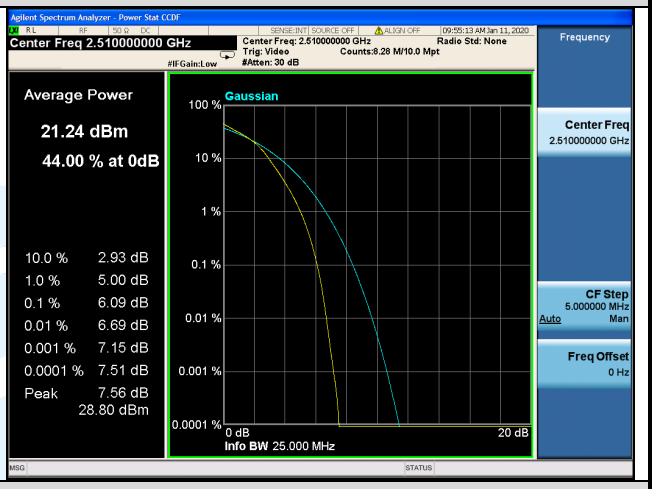
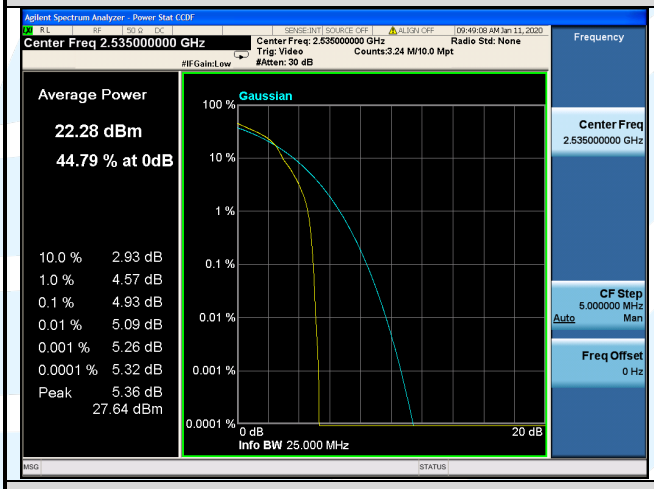
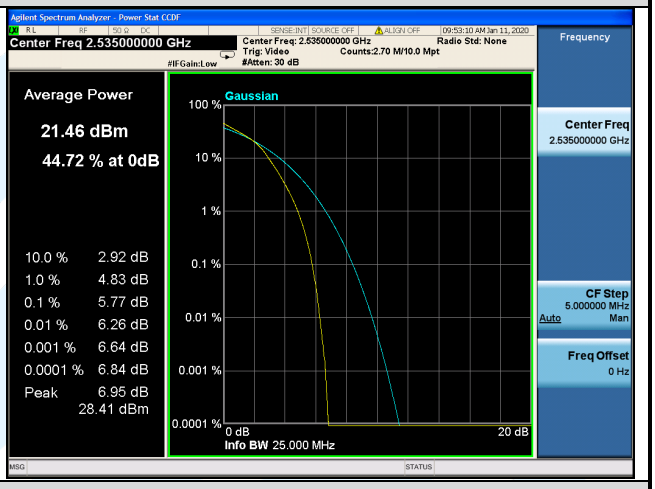
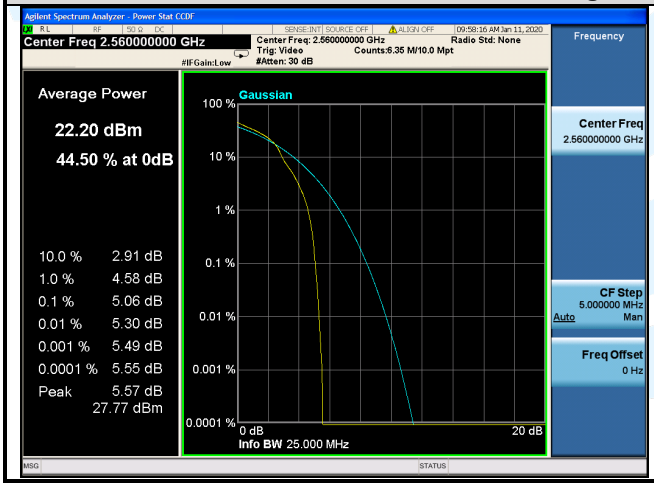
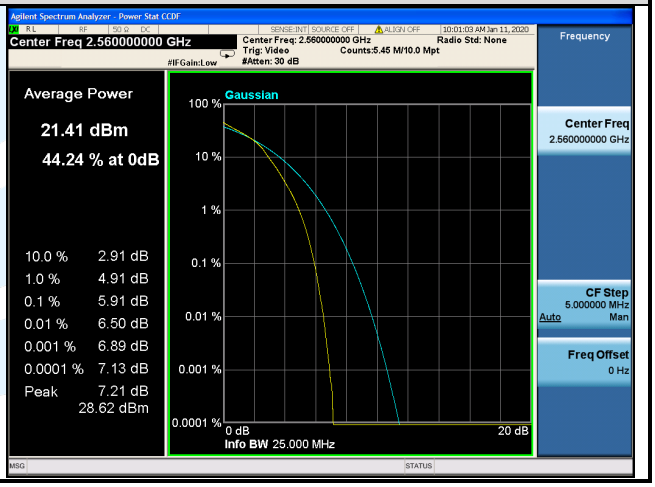
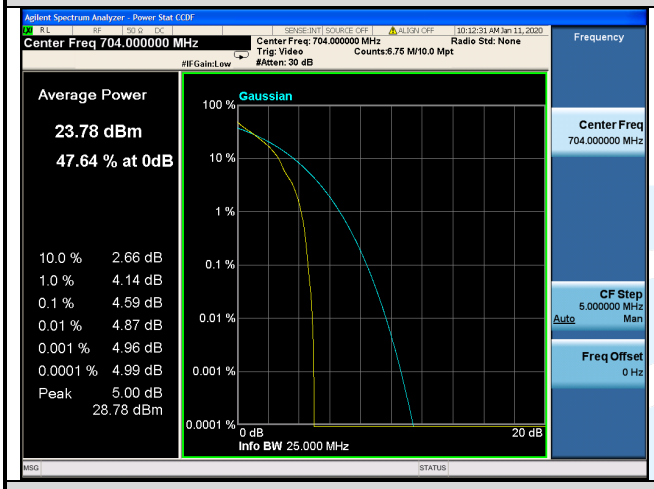
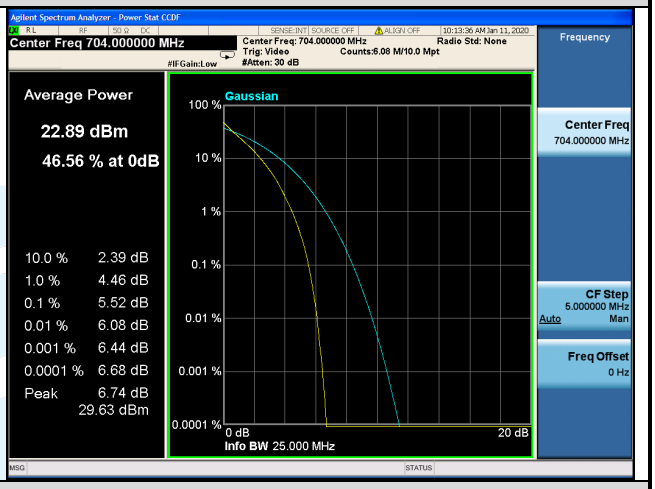
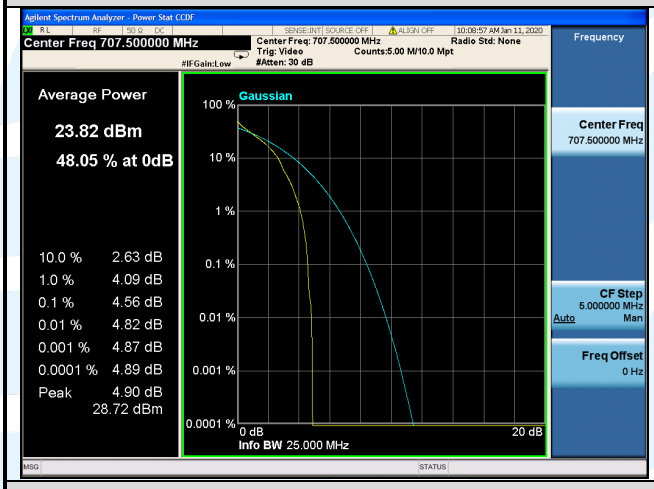
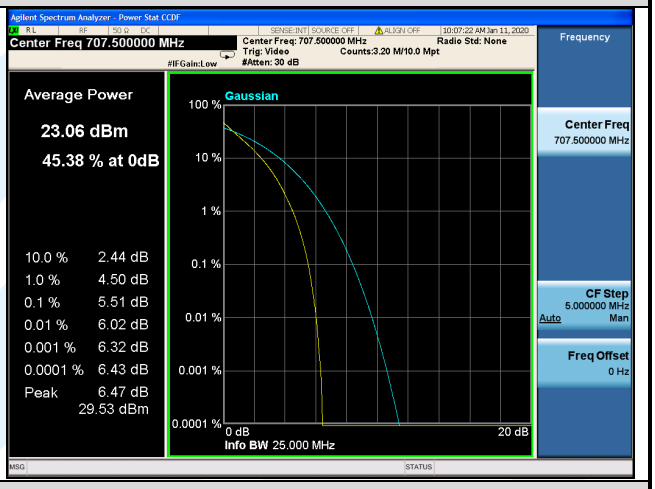
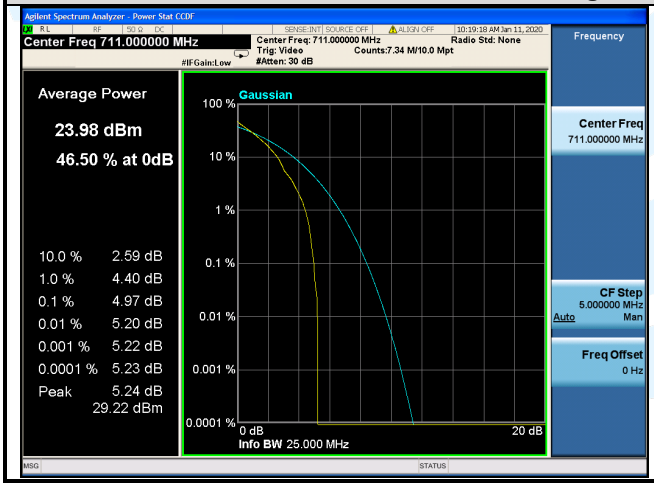
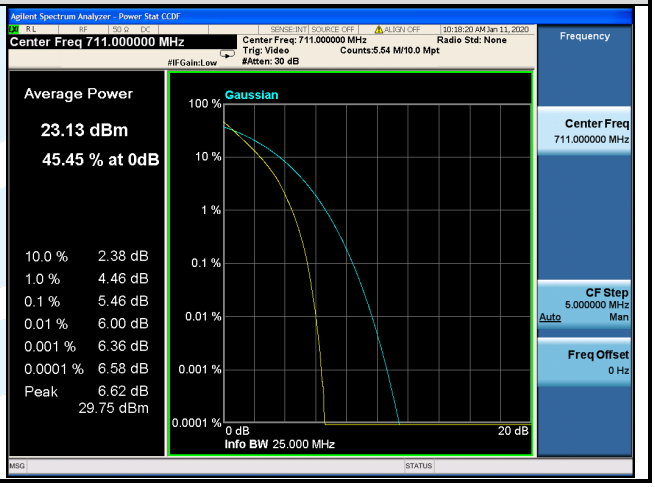
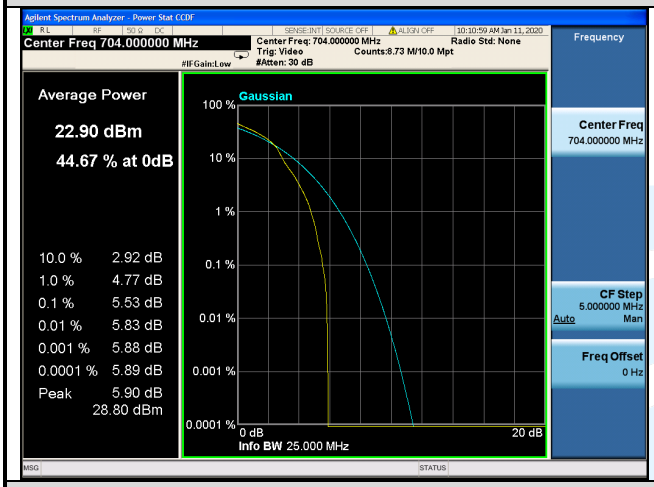
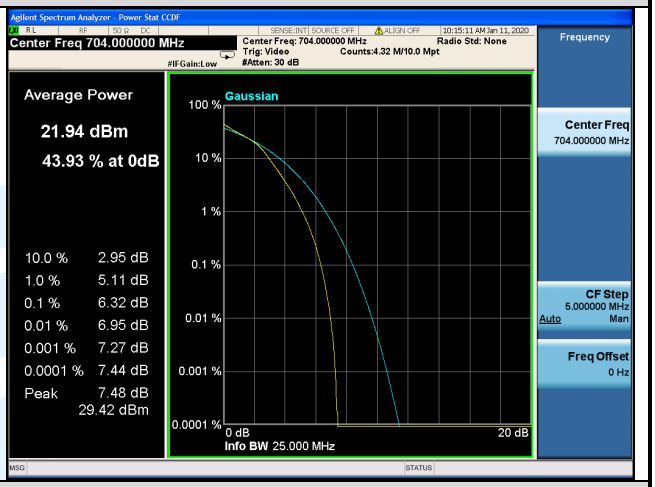
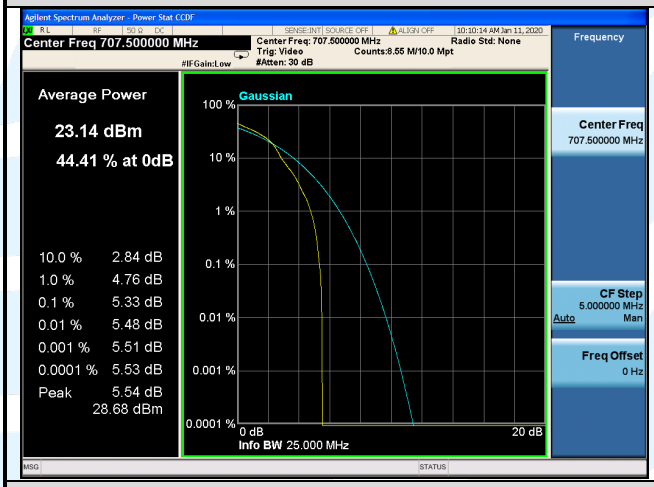
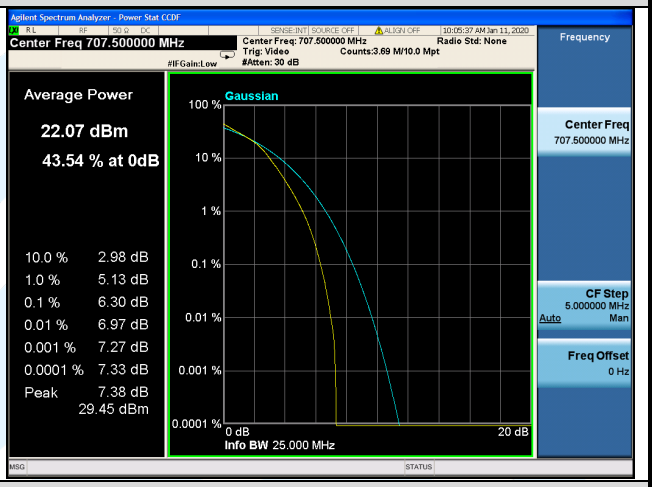
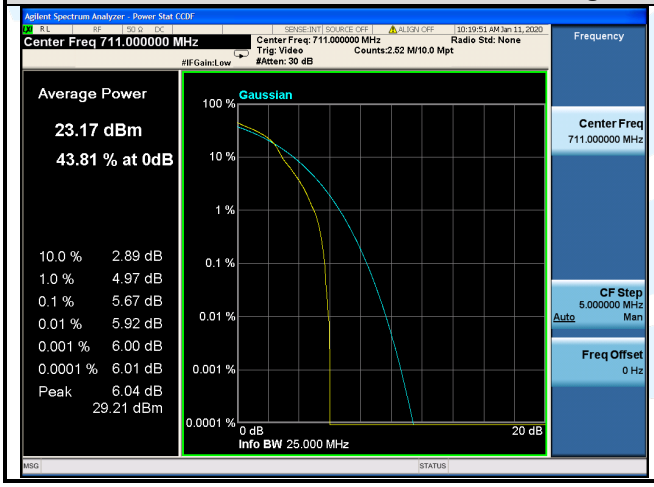
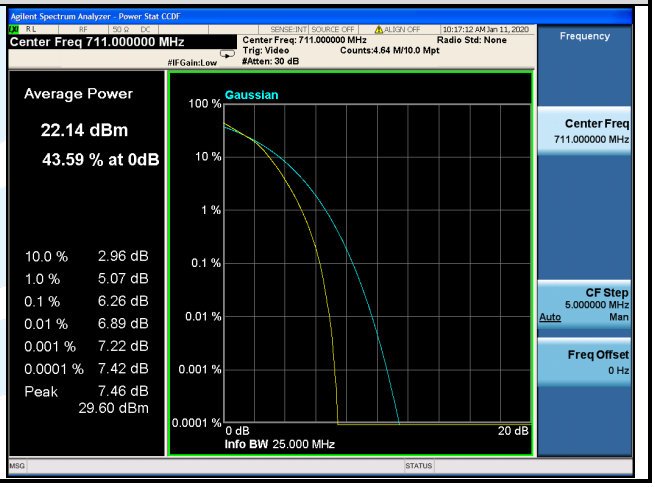
LTE Band 7 / 20MHz / 16QAM	
1 RB	Full RB
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

5.4.5 LTE Band 12

LTE Band 12 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.59	5.53	/	13	Pass
	Full RB	5.52	6.32	/	13	Pass
Middle	1 RB	4.56	5.33	/	13	Pass
	Full RB	5.51	6.30	/	13	Pass
Highest	1 RB	4.97	5.67	/	13	Pass
	Full RB	5.46	6.26	/	13	Pass

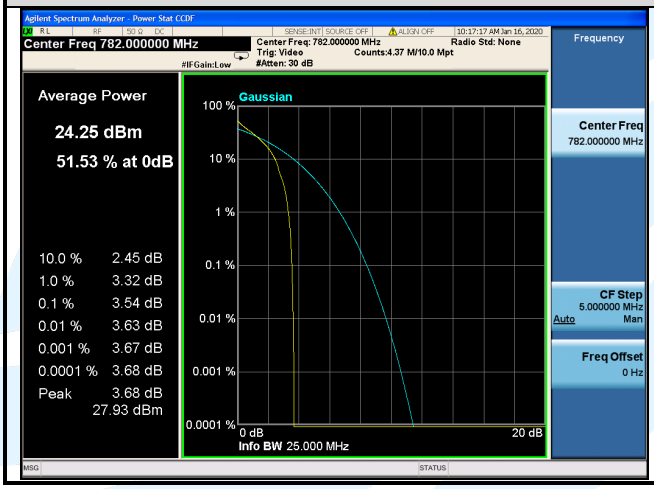
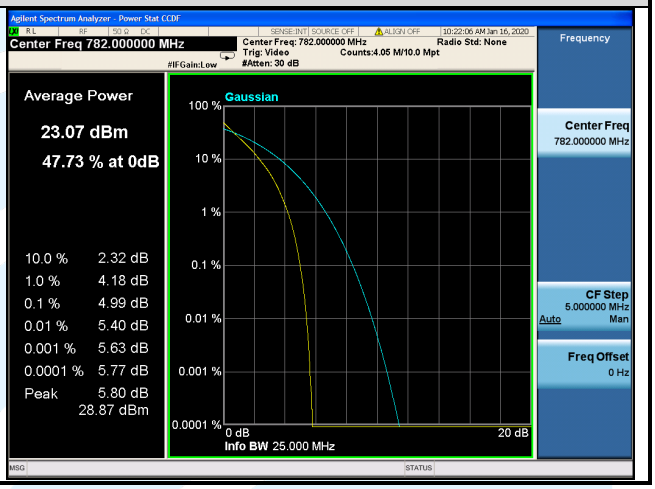
LTE Band 12 / 10MHz / QPSK	
1 RB	Full RB
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 12 / 10MHz / 16QAM	
1 RB	Full RB
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

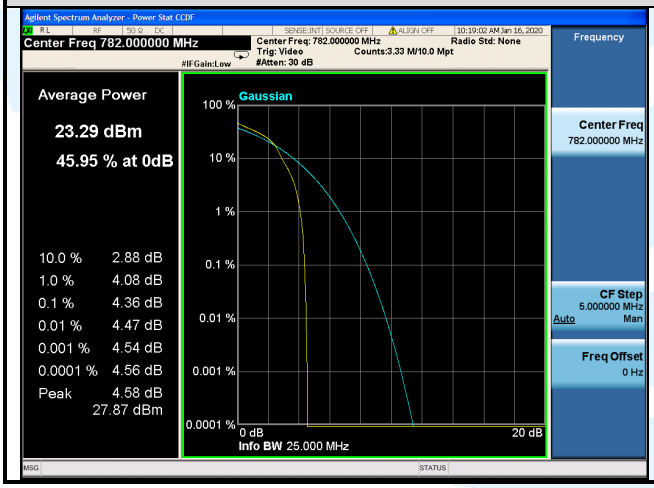
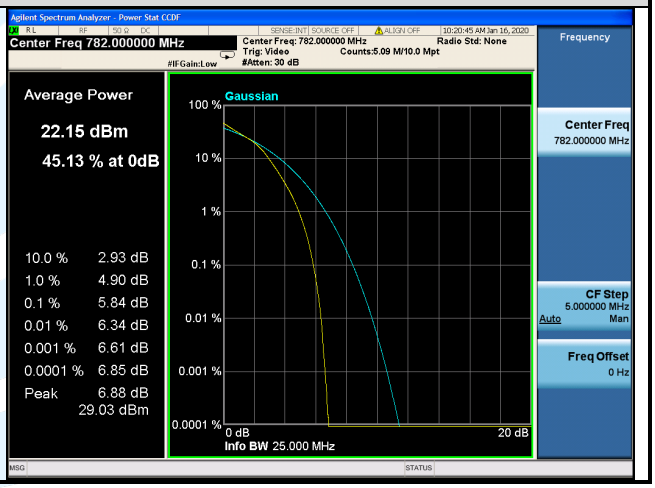
5.4.6 LTE Band 13

LTE Band 13 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Middle	1 RB	3.54	4.36	/	13	Pass
	Full RB	4.99	5.84	/	13	Pass

LTE Band 13 / 10MHz / QPSK

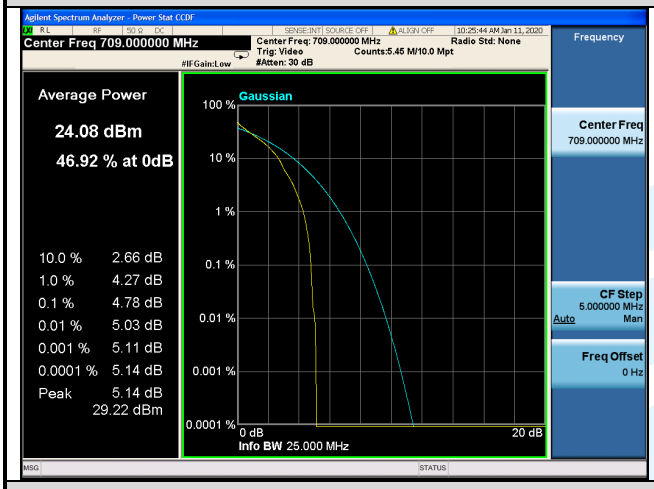
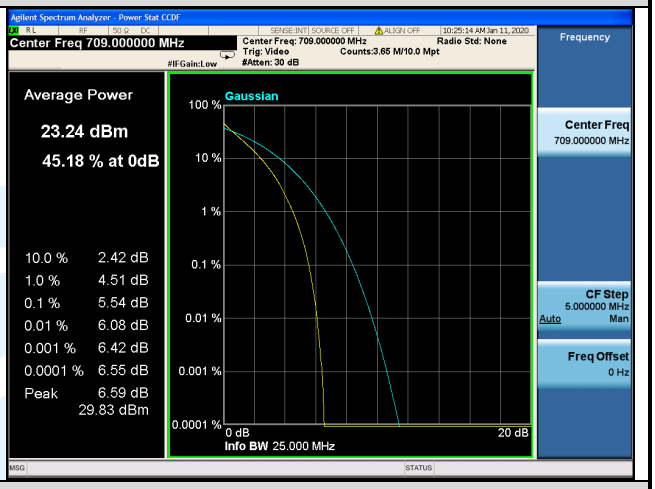
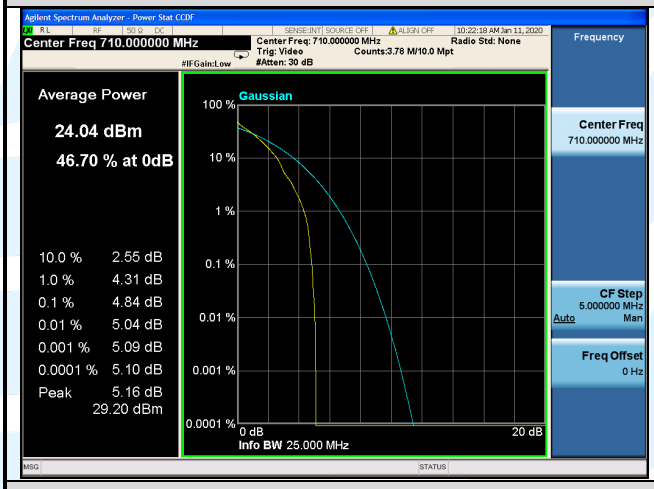
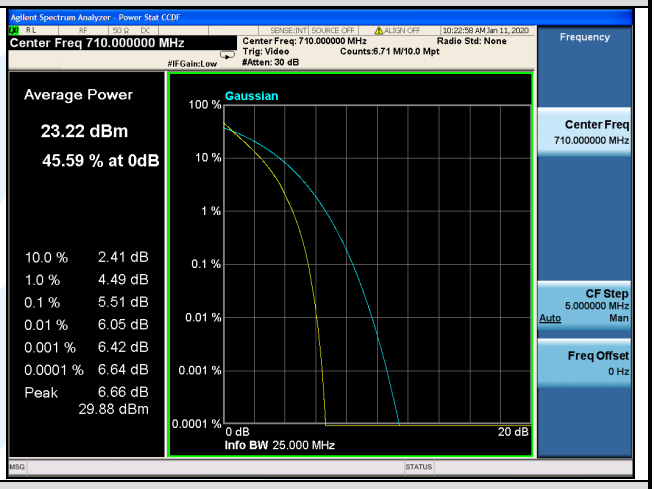
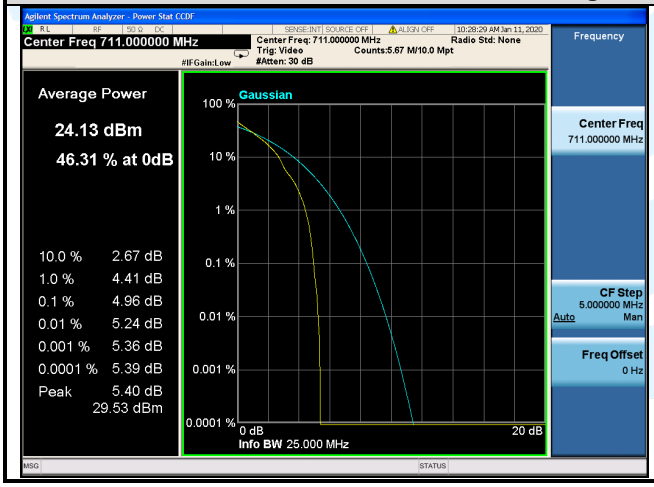
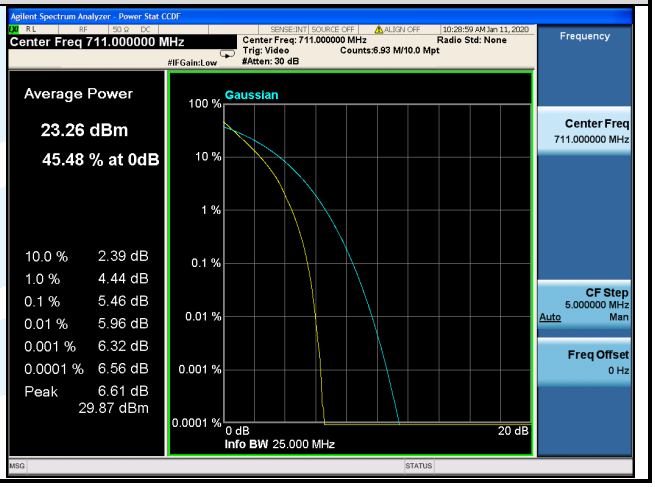
1 RB	Full RB
Middle Channel	
	

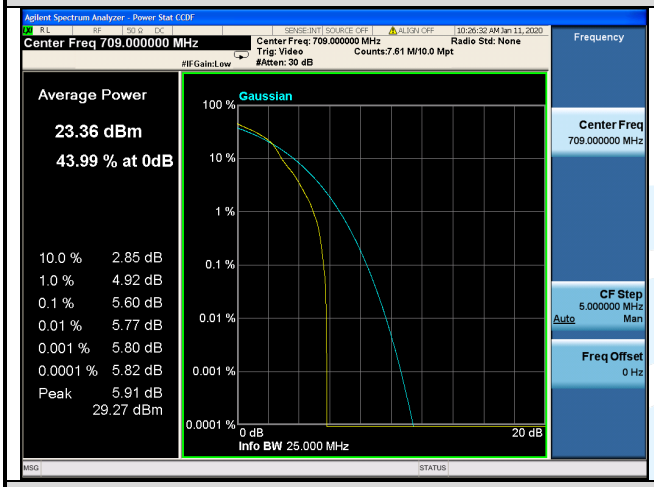
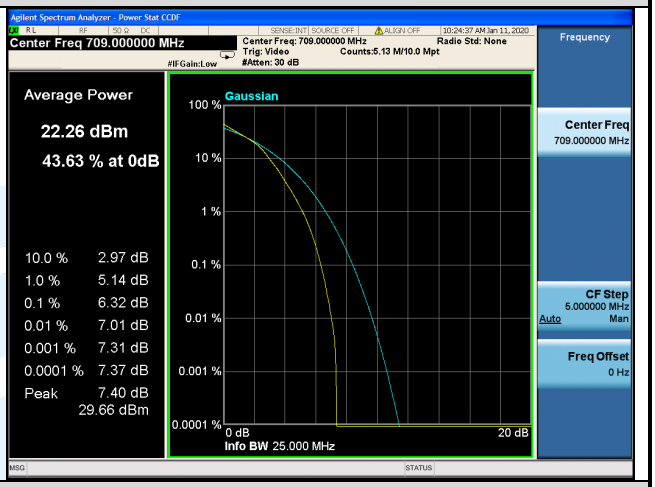
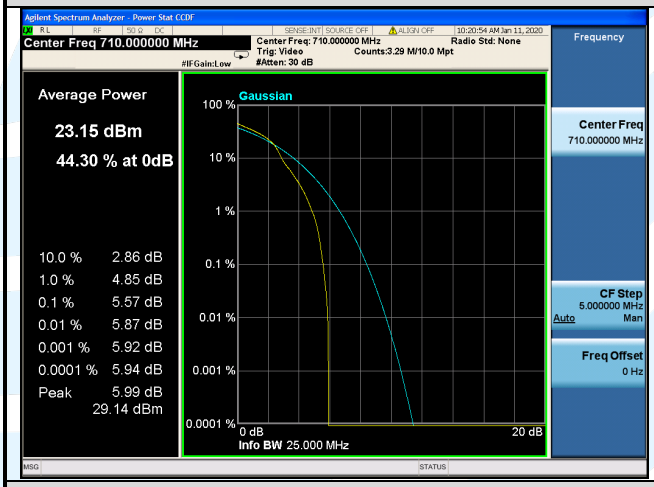
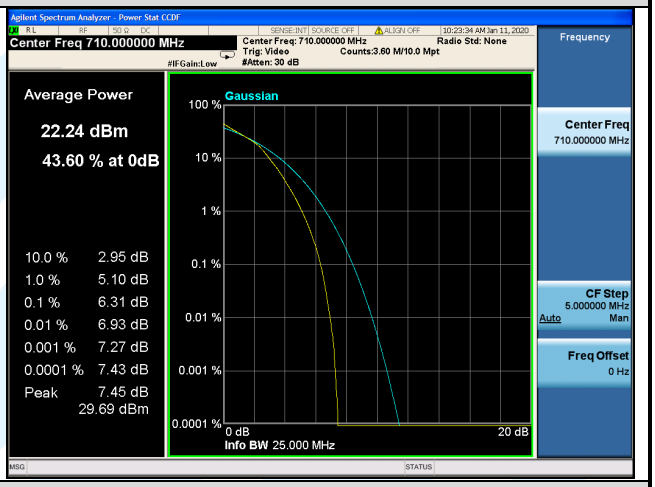
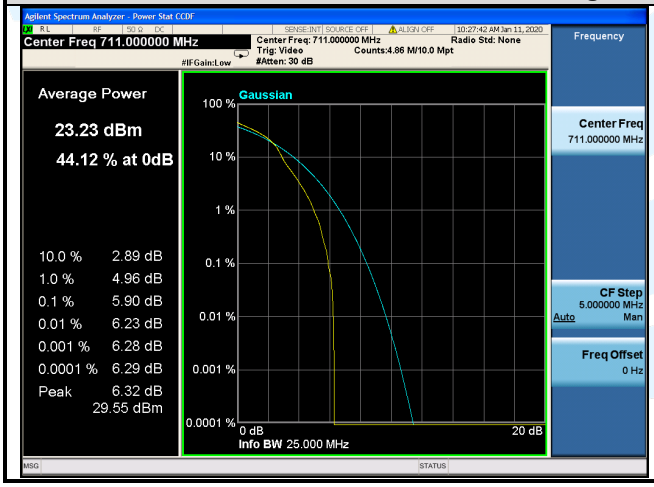
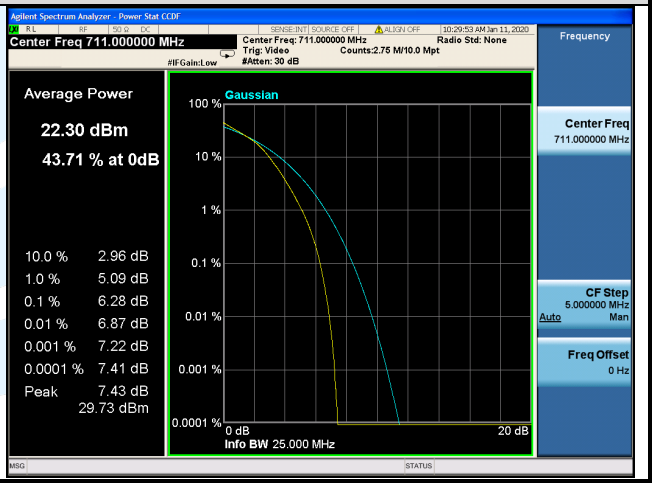
LTE Band 13 / 10MHz / 16QAM

1 RB	Full RB
Middle Channel	
	

5.4.7 LTE Band 17

LTE Band 17 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.78	5.60	/	13	Pass
	Full RB	5.54	6.32	/	13	Pass
Middle	1 RB	4.84	5.57	/	13	Pass
	Full RB	5.51	6.31	/	13	Pass
Highest	1 RB	4.96	5.90	/	13	Pass
	Full RB	5.46	6.28	/	13	Pass

LTE Band 17 / 10 MHz / QPSK	
1 RB	Full RB
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 17 / 10 MHz / 16QAM	
1 RB	Full RB
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

5.599%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

Limit: No Limit, for reporting purposes only.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

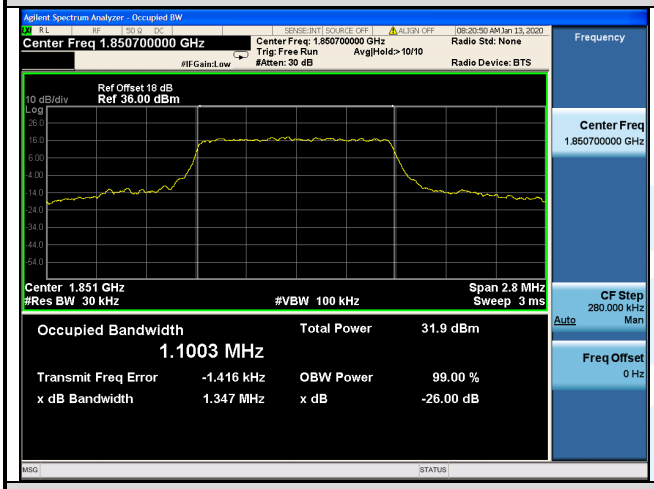
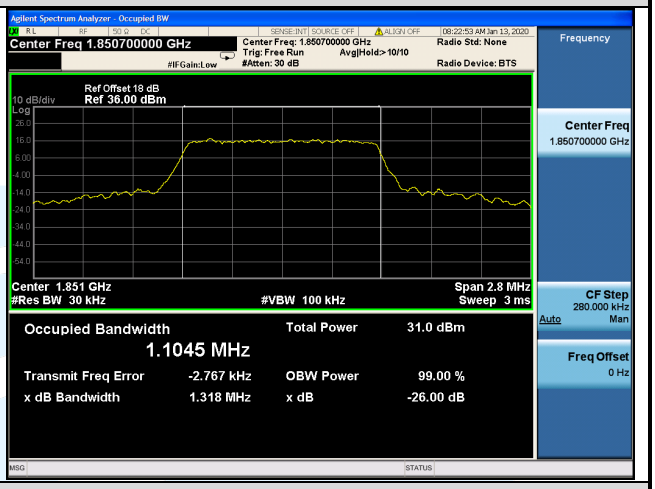
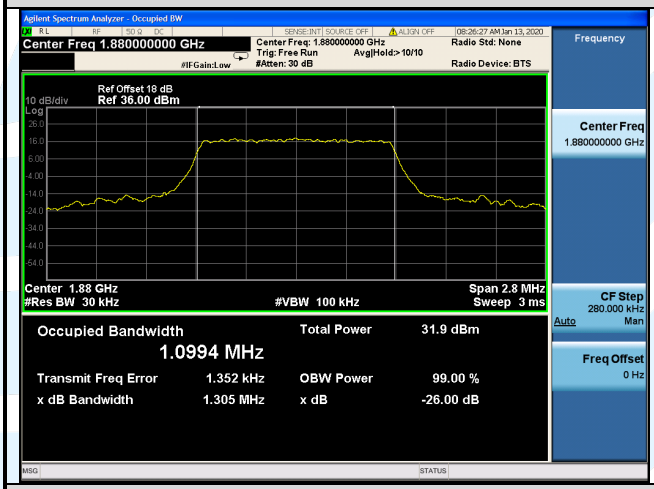
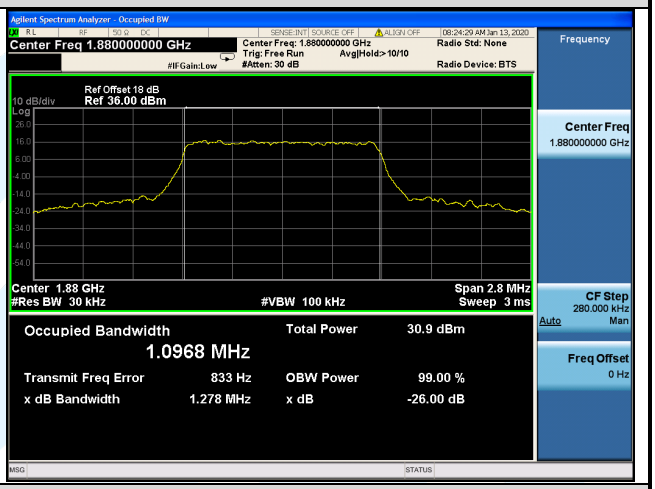
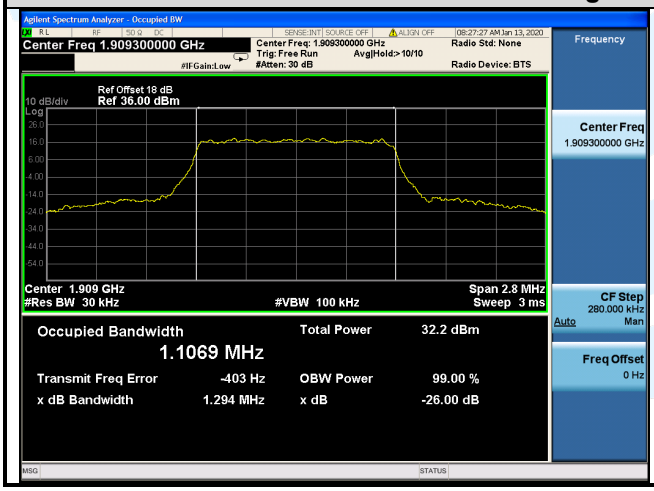
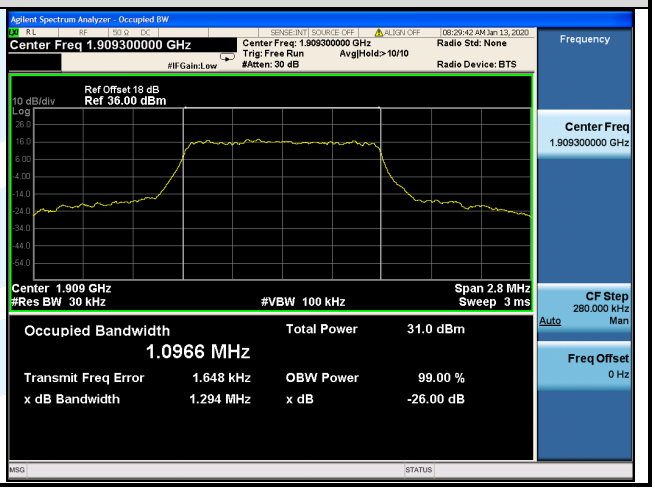
Test Mode: Link mode

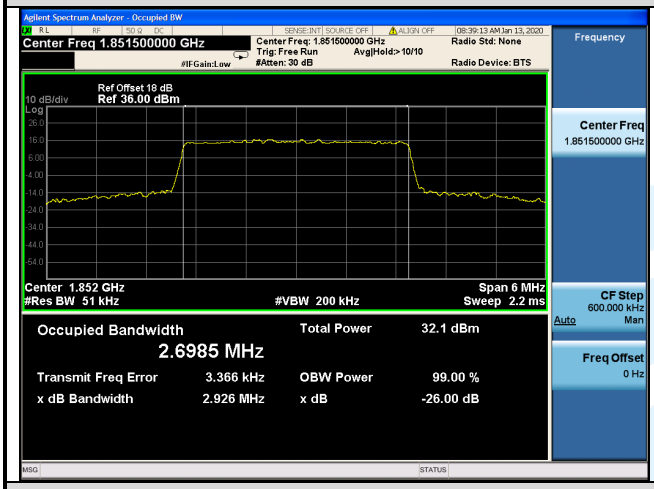
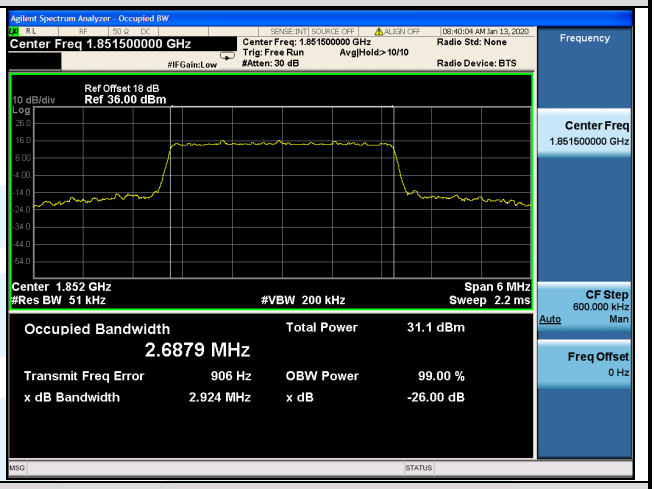
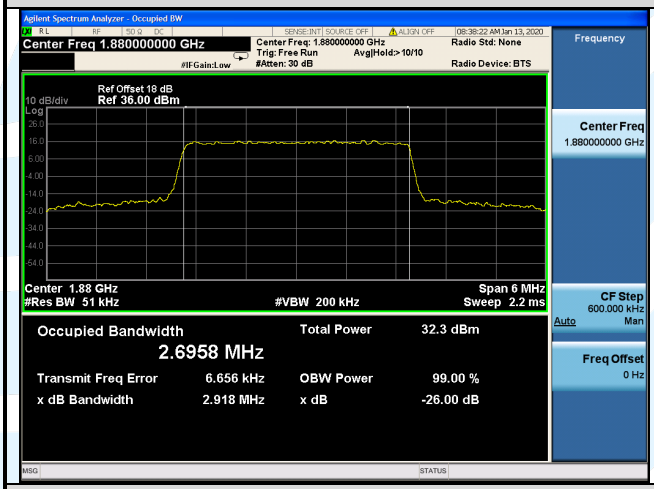
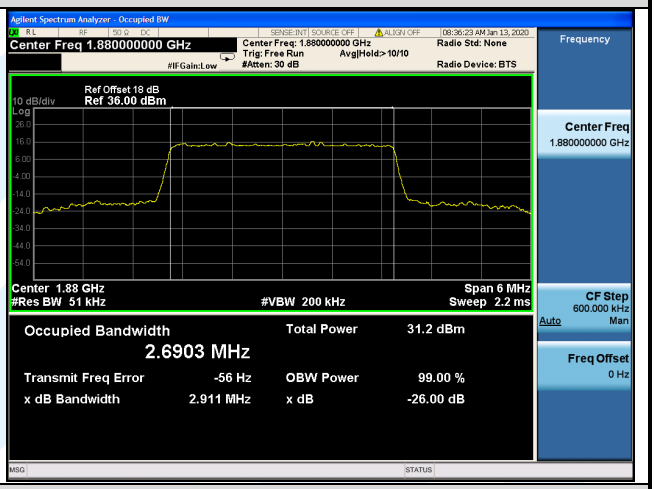
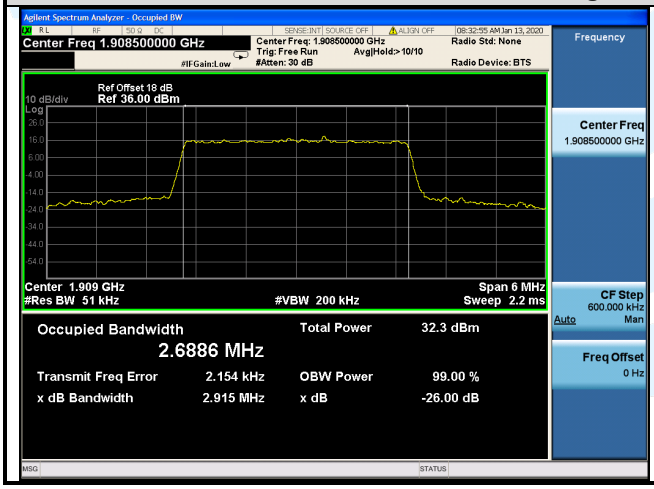
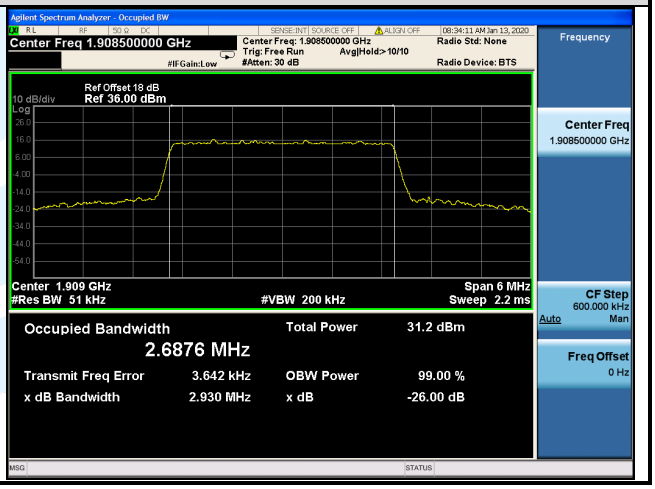
Test Results: Pass

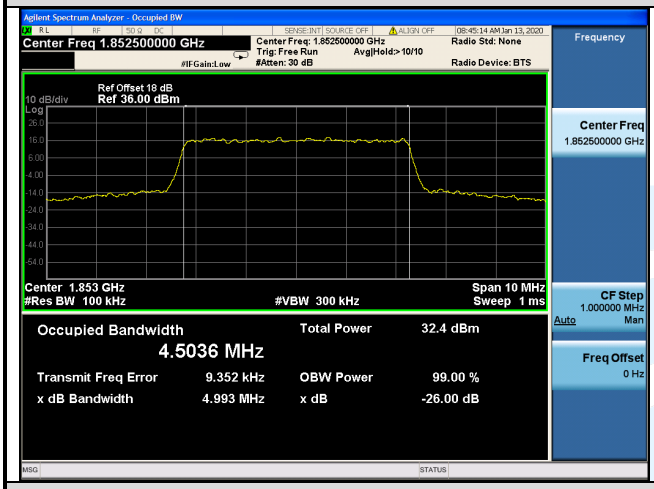
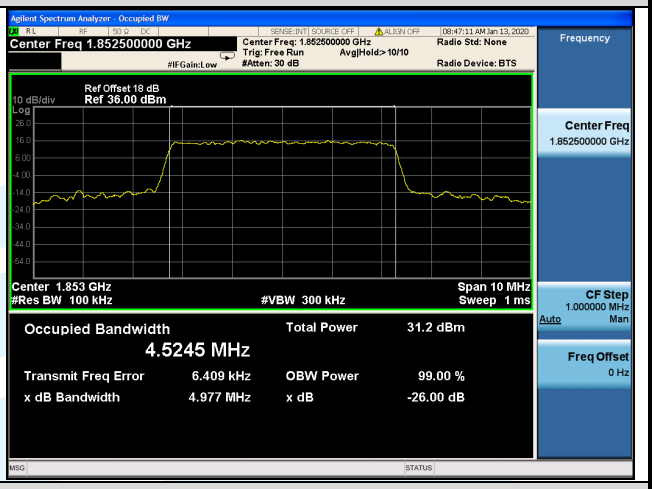
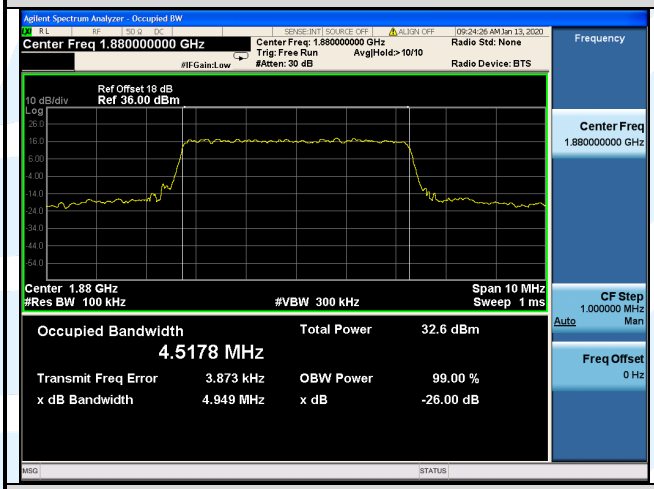
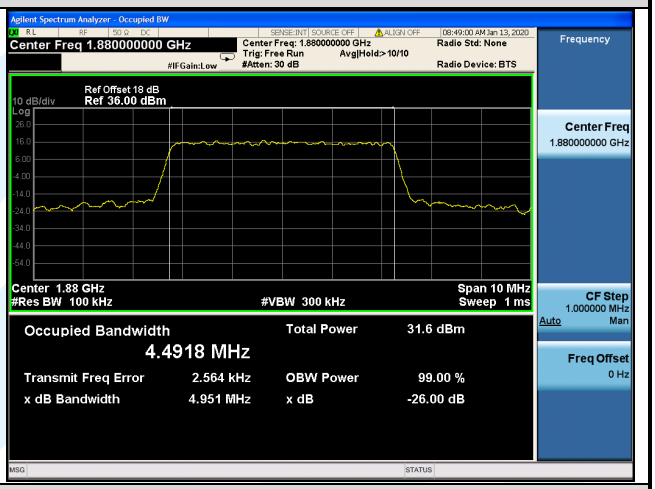
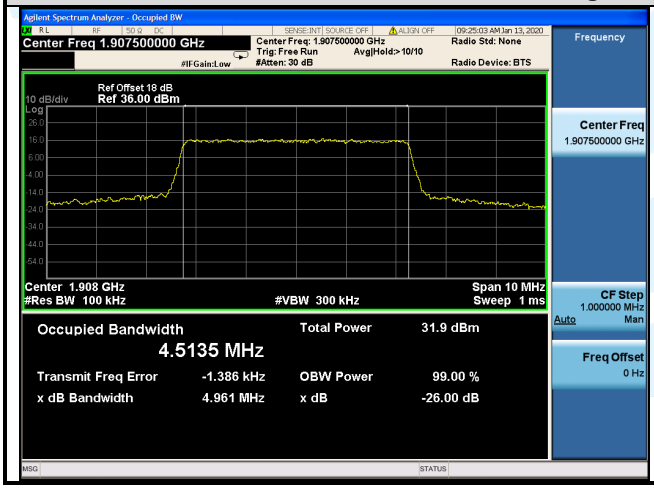
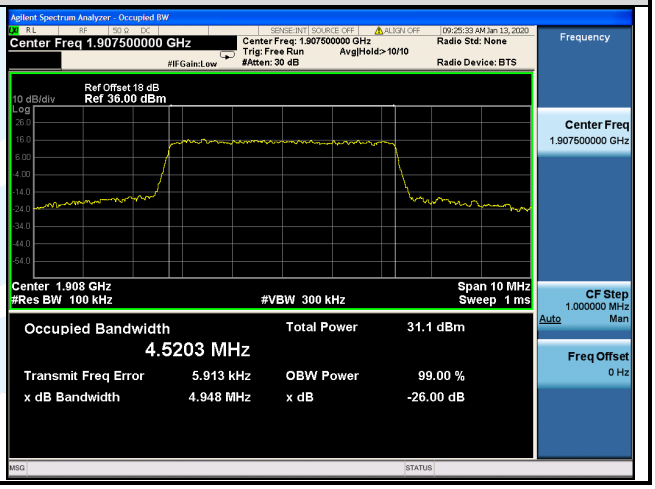
Test Data: See table below

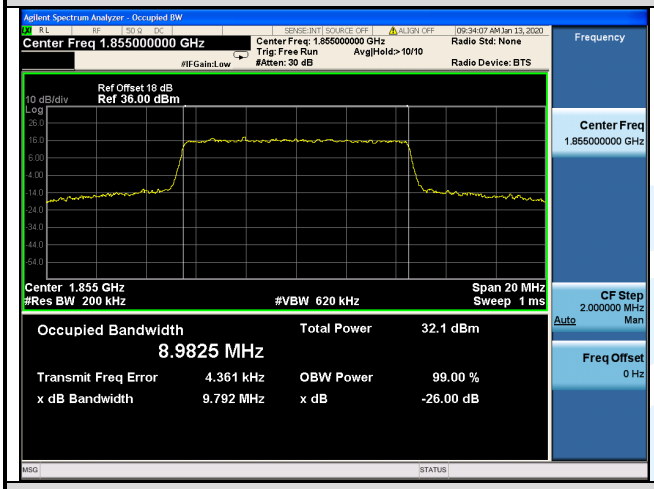
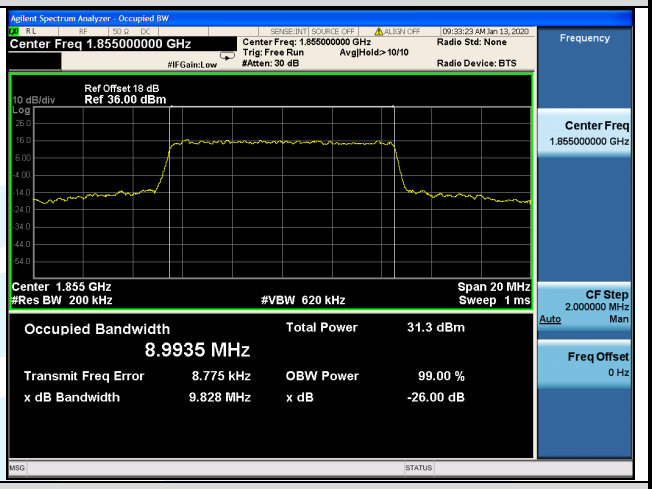
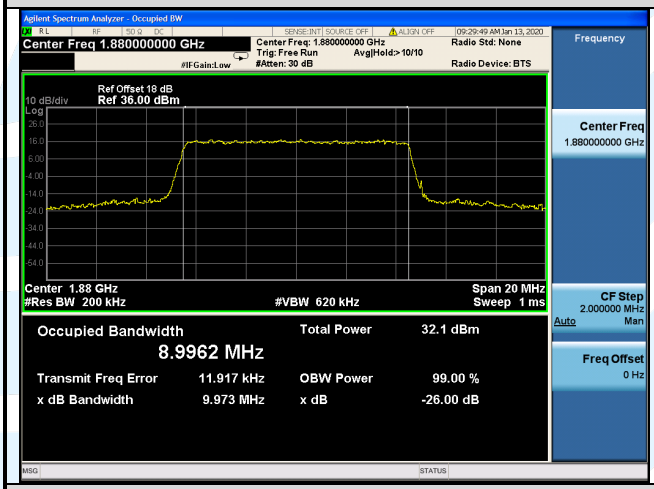
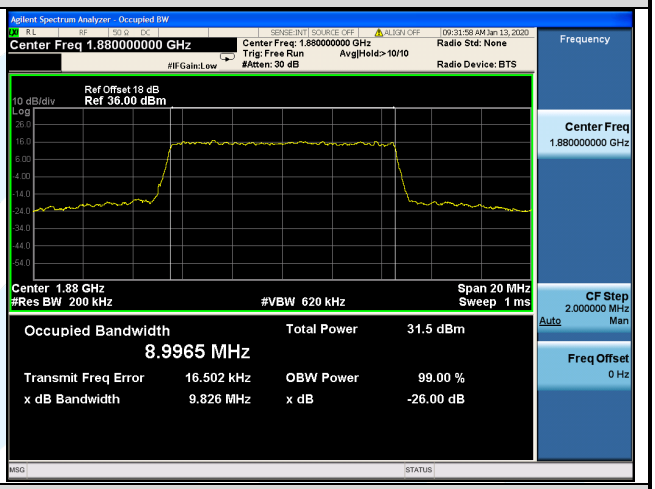
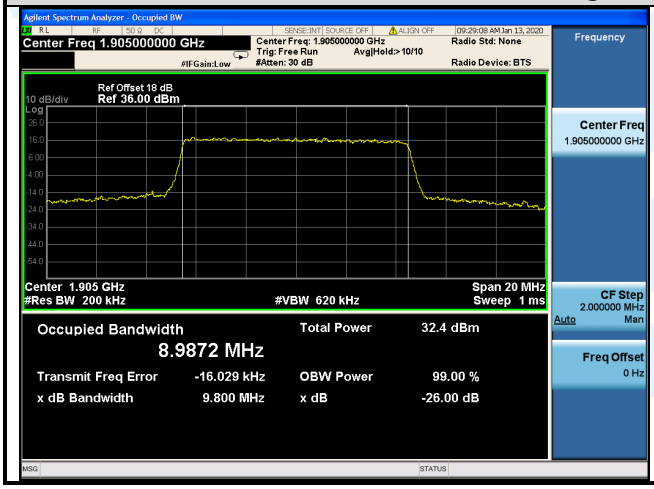
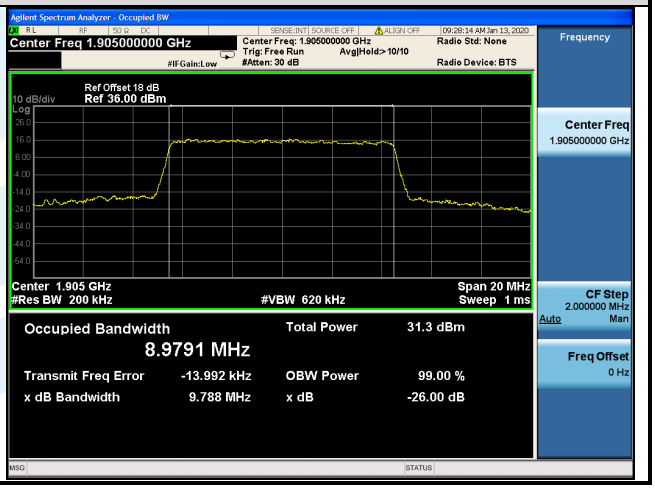
5.5.1 LTE Band 2

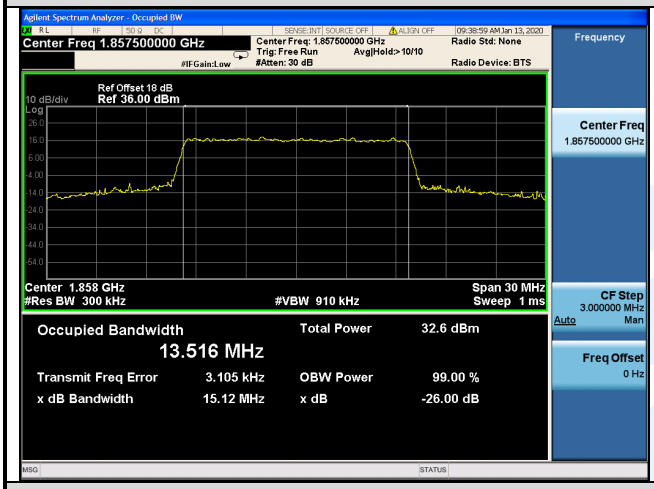
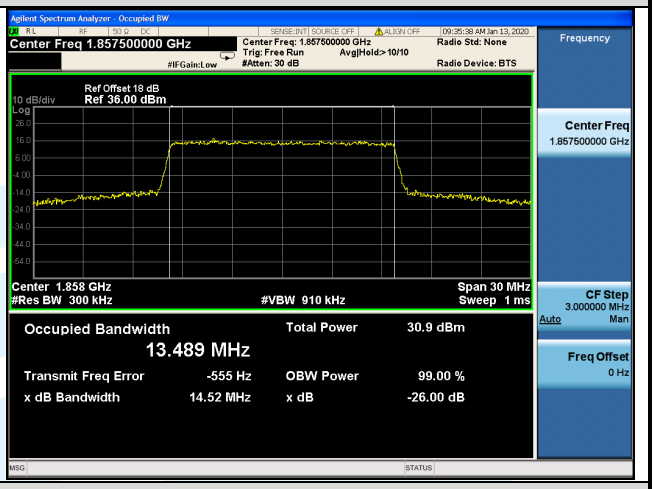
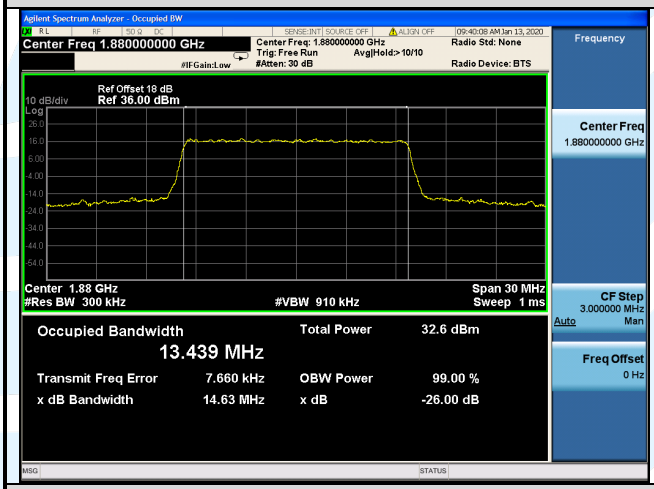
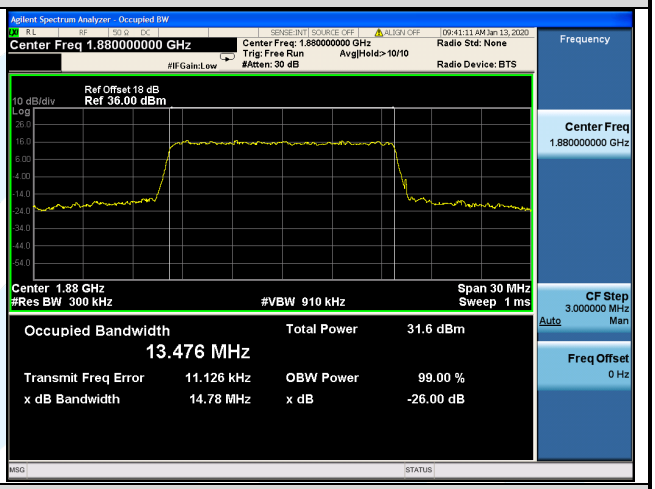
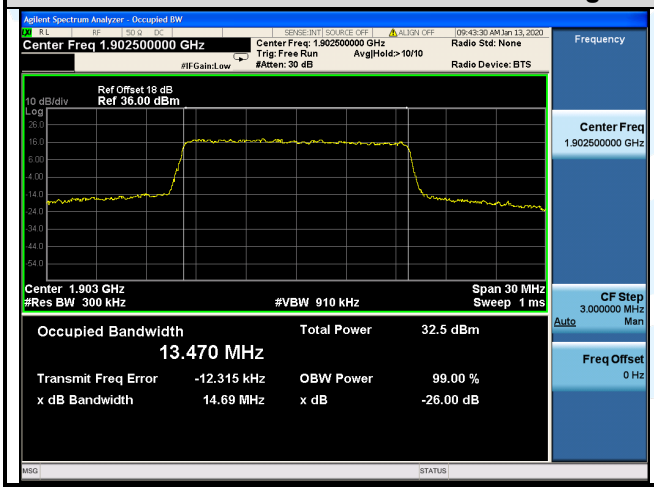
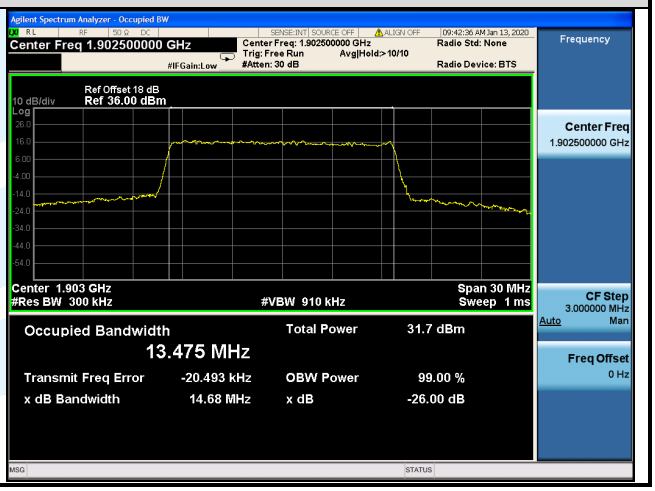
LTE Band 2								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.347	1.318	/	1.1003	1.1045	/
Middle	6	0	1.305	1.278	/	1.0994	1.0968	/
Highest	6	0	1.294	1.294	/	1.1069	1.0966	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.926	2.924	/	2.6985	2.6879	/
Middle	15	0	2.918	2.911	/	2.6958	2.6903	/
Highest	15	0	2.915	2.930	/	2.6886	2.6876	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	4.993	4.977	/	4.5036	4.5245	/
Middle	25	0	4.949	4.951	/	4.5178	4.4918	/
Highest	25	0	4.961	4.948	/	4.5135	4.5203	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.792	9.828	/	8.9825	8.9935	/
Middle	50	0	9.973	9.826	/	8.9962	8.9965	/
Highest	50	0	9.800	9.788	/	8.9872	8.9791	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.12	14.52	/	13.516	13.489	/
Middle	75	0	14.63	14.78	/	13.439	13.476	/
Highest	75	0	14.69	14.68	/	13.470	13.475	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.34	19.41	/	17.973	18.009	/
Middle	100	0	19.43	19.47	/	17.991	18.040	/
Highest	100	0	19.60	19.93	/	17.979	17.952	/

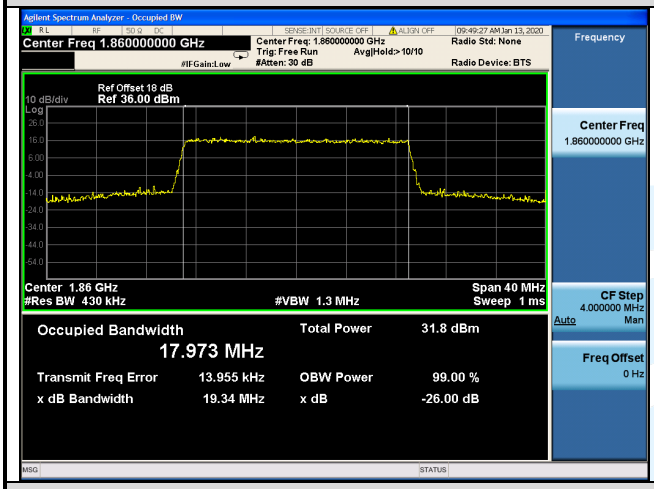
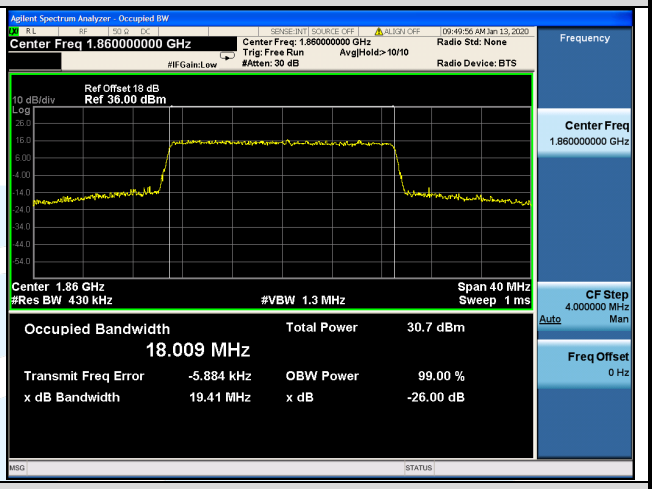
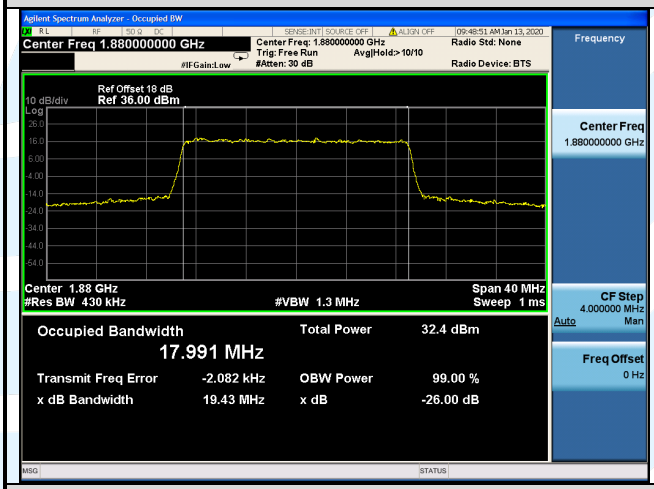
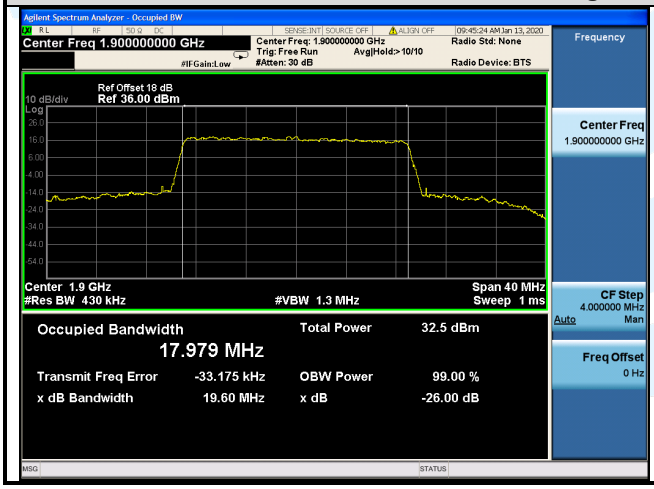
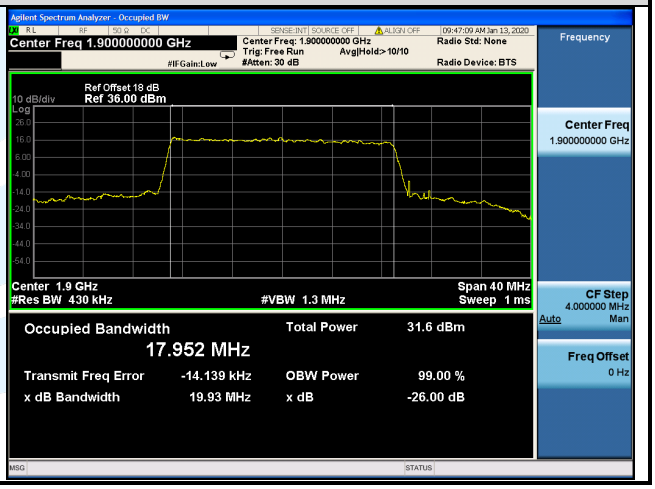
LTE Band 2_ Channel Bandwidth: 1.4 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 2_ Channel Bandwidth: 3 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 2_ Channel Bandwidth: 5 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

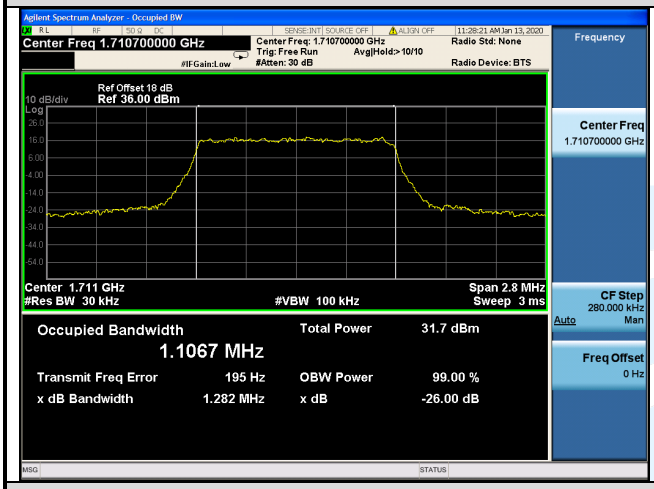
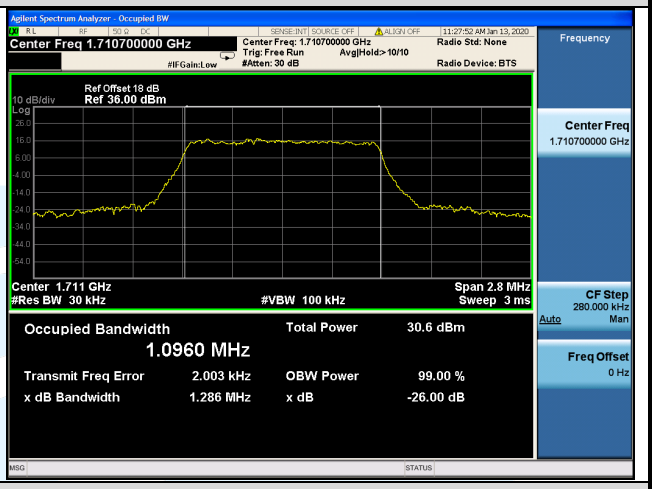
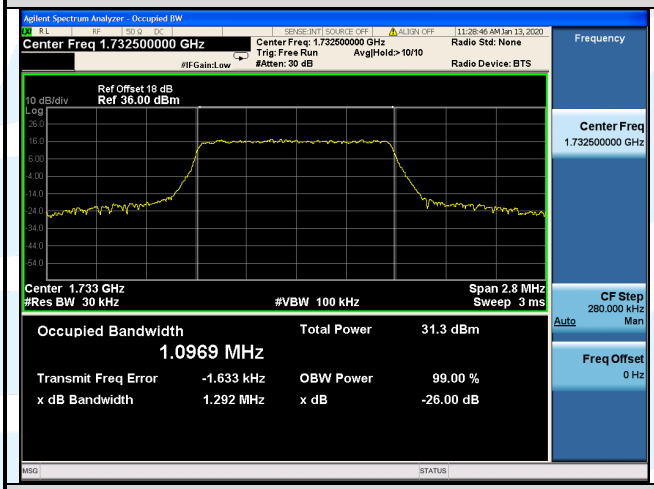
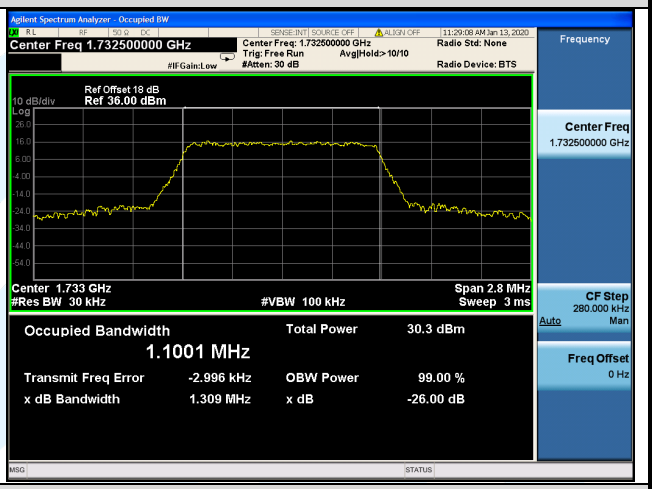
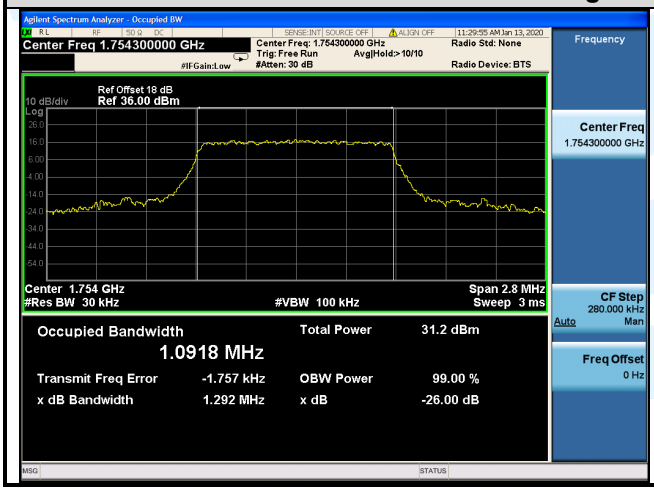
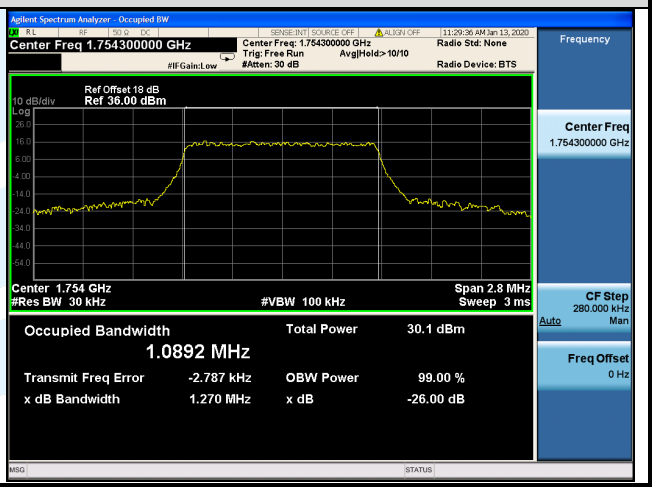
LTE Band 2_ Channel Bandwidth: 10 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

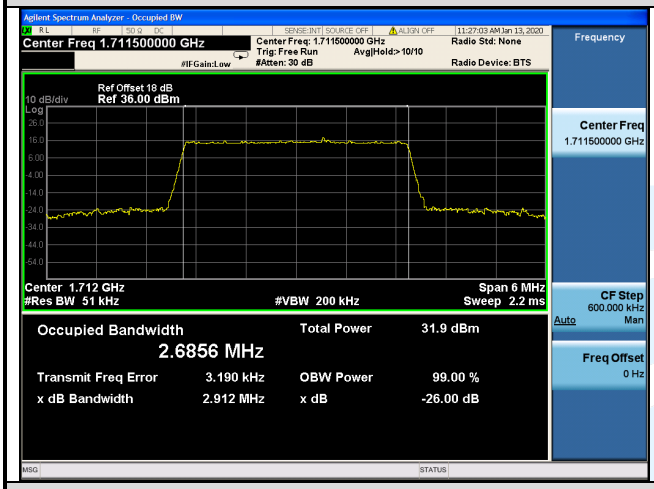
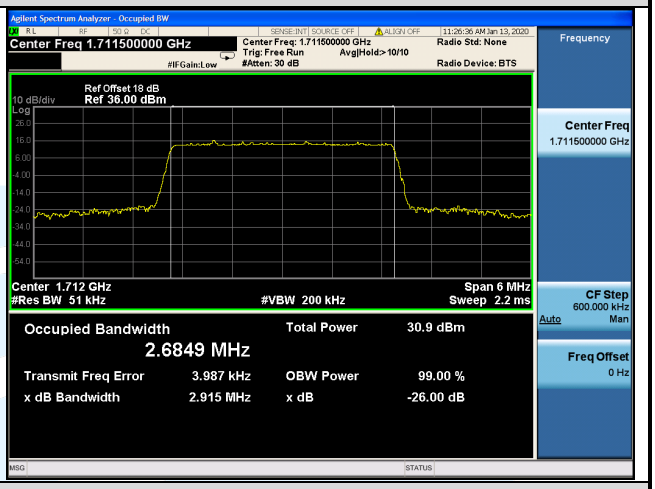
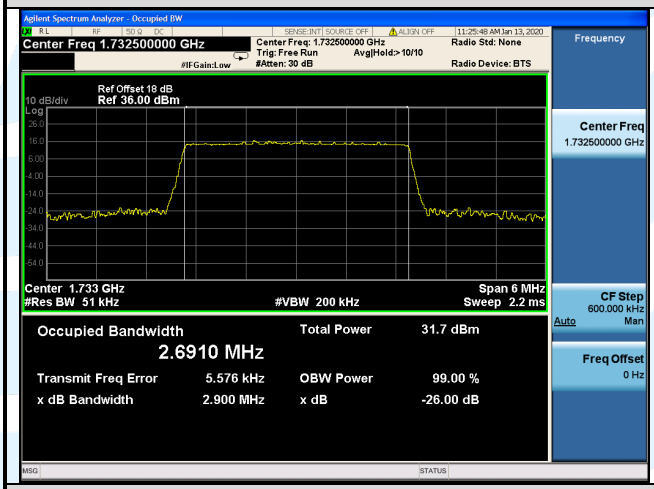
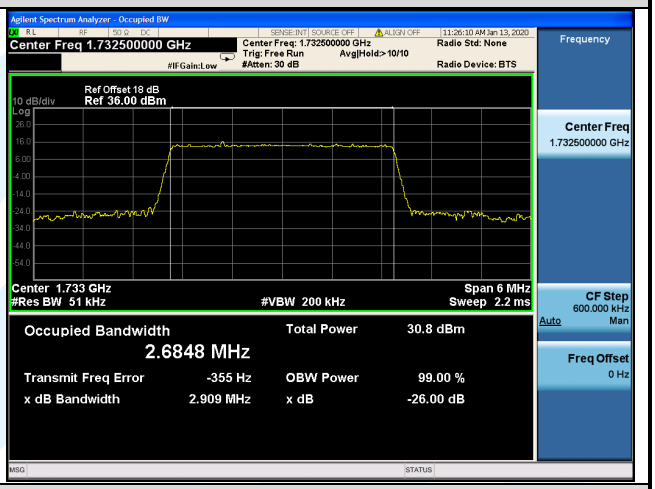
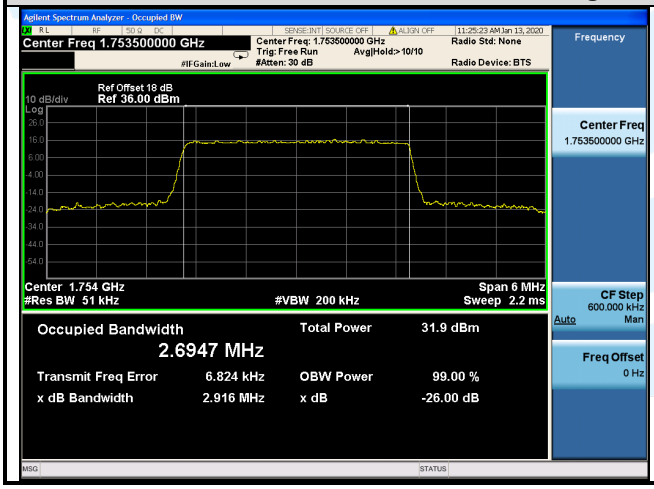
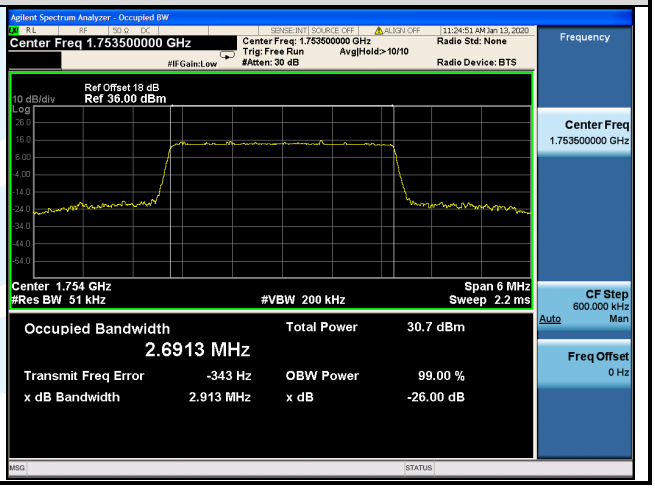
LTE Band 2_ Channel Bandwidth: 15 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

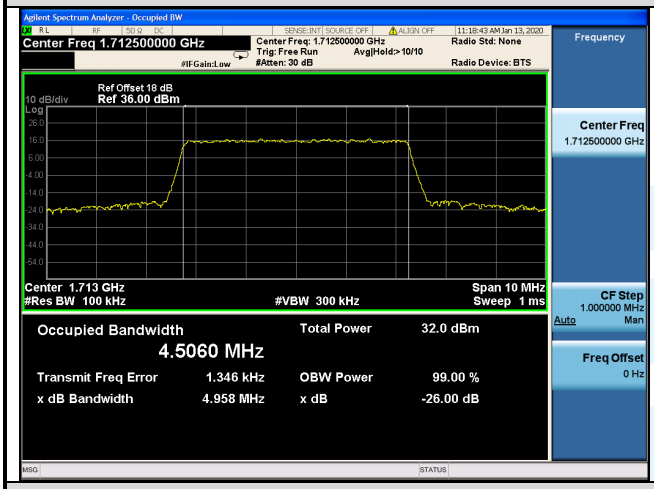
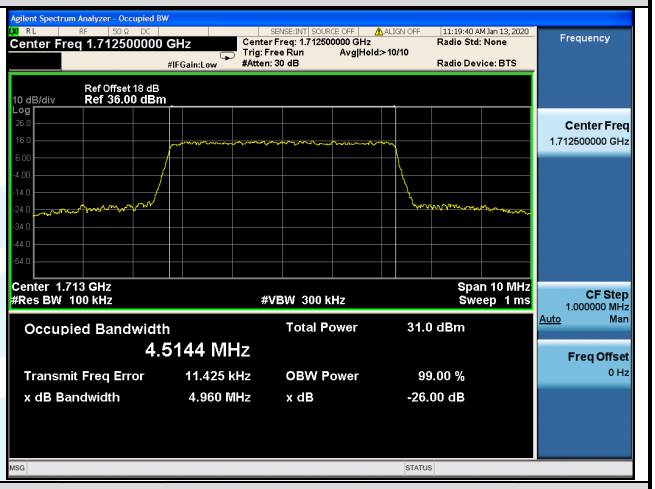
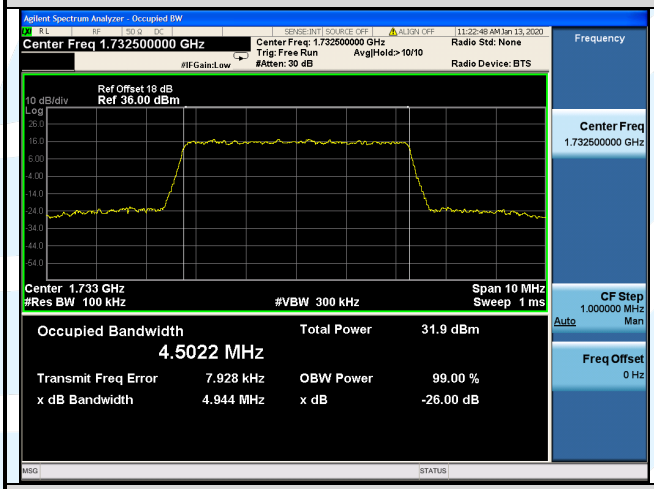
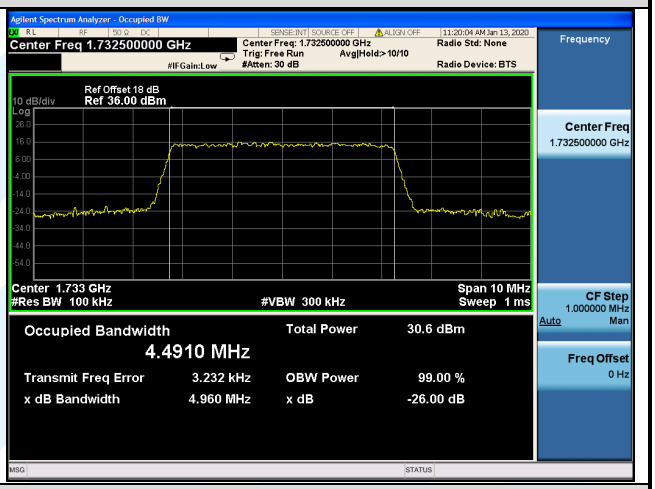
LTE Band 2_ Channel Bandwidth: 20 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

5.5.2 LTE Band 4

LTE Band 4								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.282	1.286	/	1.1067	1.0960	/
Middle	6	0	1.292	1.309	/	1.0969	1.1001	/
Highest	6	0	1.292	1.270	/	1.0918	1.0892	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.912	2.915	/	2.6856	2.6849	/
Middle	15	0	2.900	2.909	/	2.6910	2.6848	/
Highest	15	0	2.916	2.913	/	2.6947	2.6913	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	4.958	4.960	/	4.5060	4.5144	/
Middle	25	0	4.944	4.960	/	4.5022	4.4910	/
Highest	25	0	4.901	4.924	/	4.4984	4.5089	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.824	9.725	/	8.9874	8.9722	/
Middle	50	0	9.741	9.744	/	8.9889	8.9832	/
Highest	50	0	9.884	9.764	/	9.0009	8.9952	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	14.61	14.55	/	13.477	13.488	/
Middle	75	0	14.63	14.83	/	13.429	13.474	/
Highest	75	0	14.73	14.66	/	13.466	13.481	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.40	19.48	/	17.985	18.019	/
Middle	100	0	19.39	19.62	/	17.973	17.985	/
Highest	100	0	19.60	19.51	/	18.003	17.989	/

LTE Band 4_ Channel Bandwidth: 1.4 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 4_ Channel Bandwidth: 3 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel	
	

LTE Band 4_ Channel Bandwidth: 5 MHz	
QPSK	16QAM
Lowest Channel	
	
Middle Channel	
	
Highest Channel