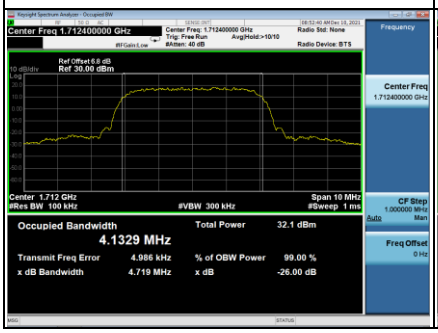
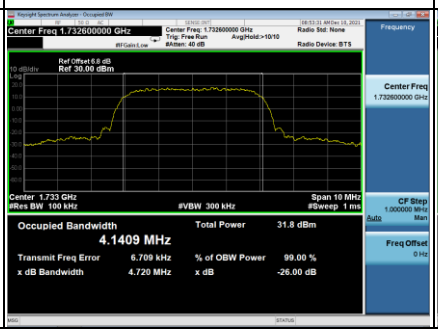
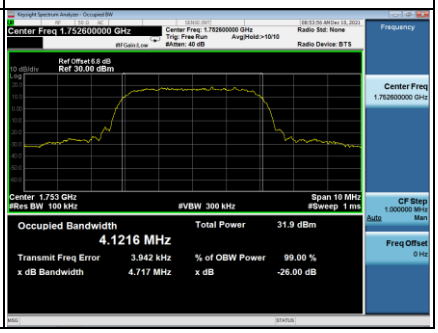
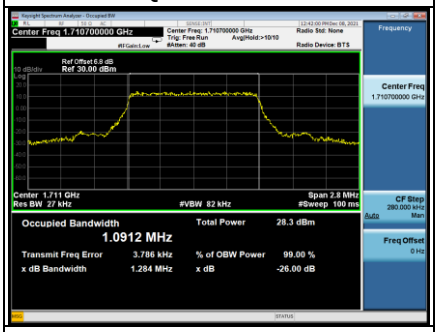
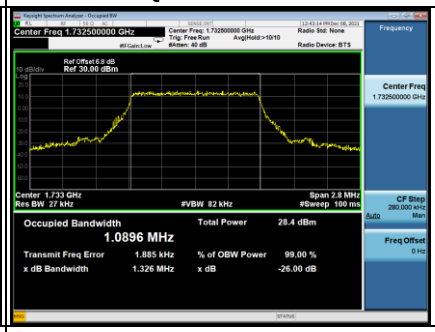
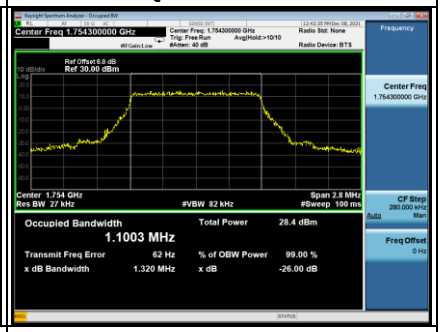
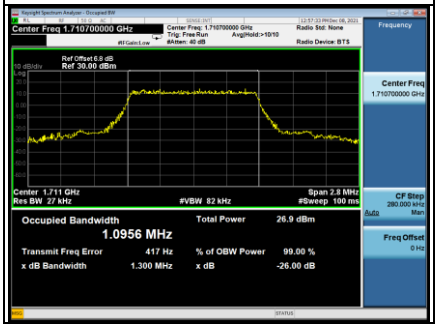
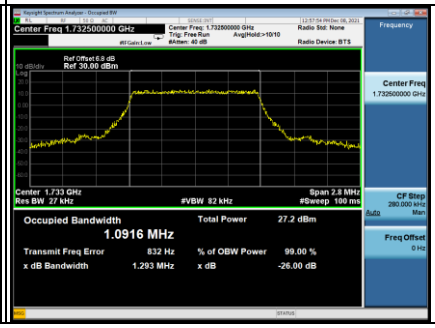
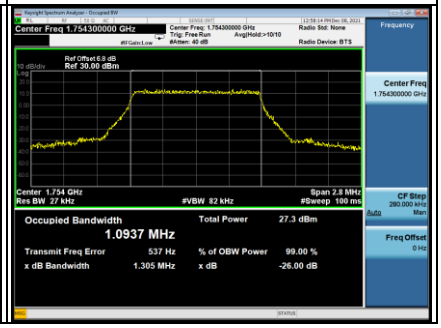
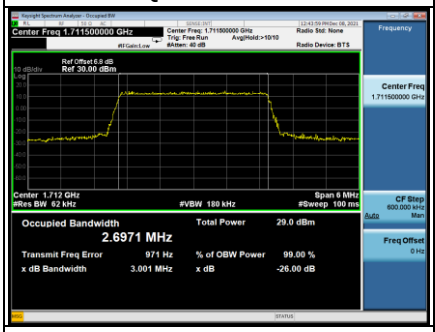
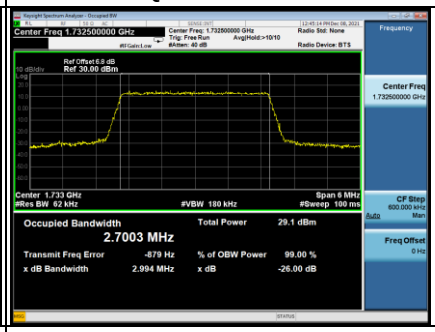
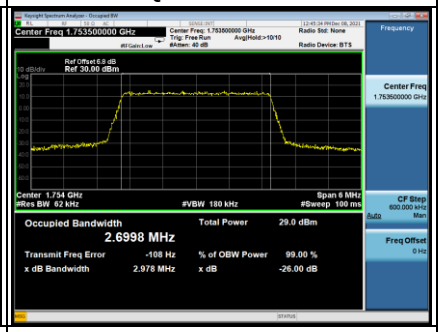
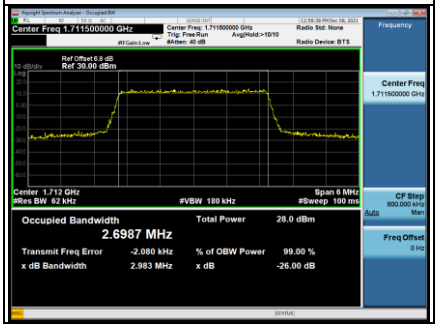
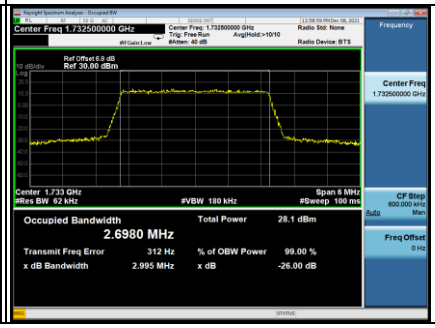
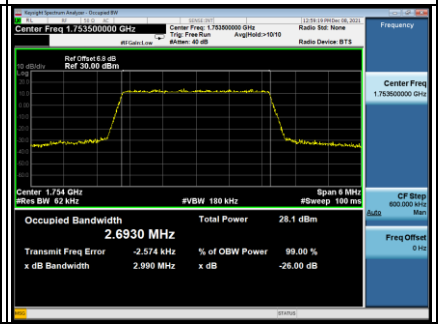
WCDMA Band IV_WCDMA			
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
		QPSK	QPSK
1312	1712.4	4.1329	4.719
1413	1732.6	4.1409	4.720
1513	1752.6	4.1216	4.717

Spectrum Plot		
1312	1413	1513
		

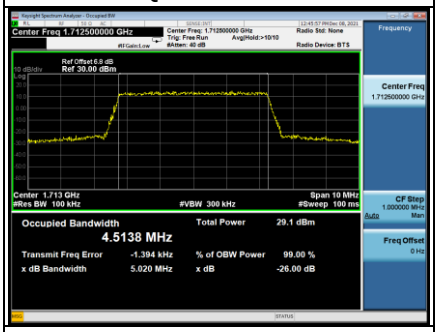
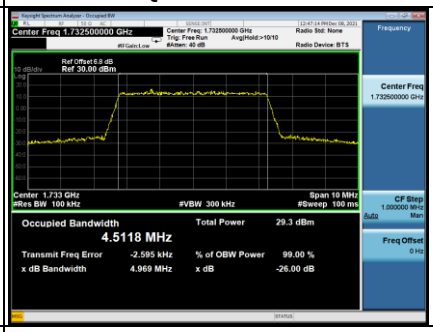
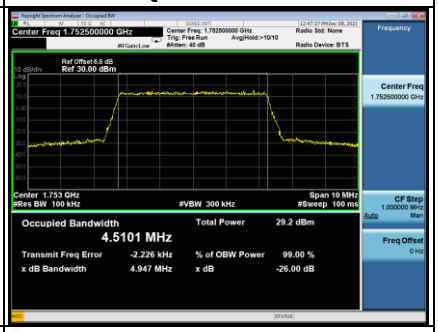
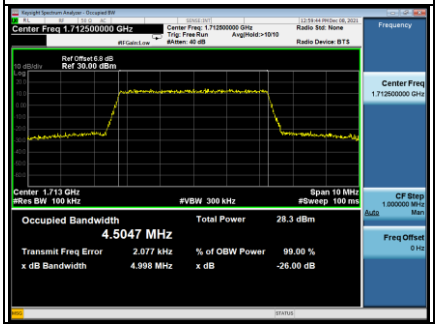
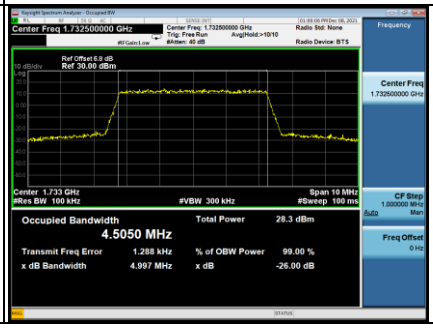
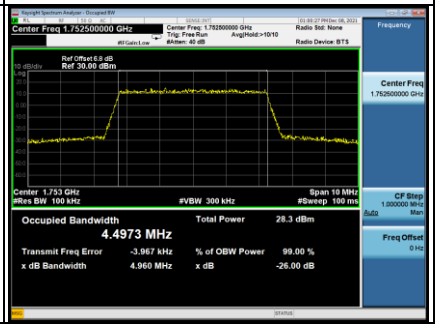
LTE Band 4_1.4MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
19957	1710.7	1.0912	1.0956	1.284	1.300
20175	1732.5	1.0896	1.0916	1.326	1.293
20393	1754.3	1.1003	1.0937	1.320	1.305

Spectrum Plot		
QPSK-19957	QPSK-20175	QPSK-20393
		
16QAM-19957	16QAM-20175	16QAM-20393
		

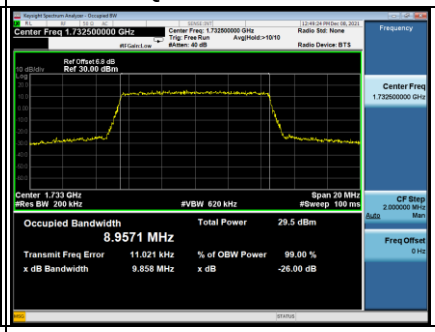
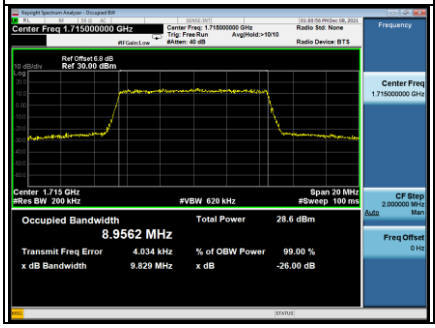
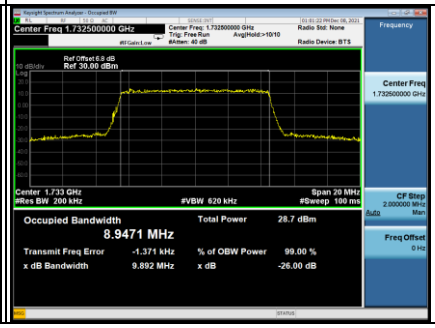
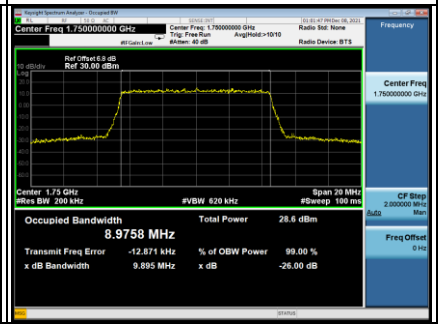
LTE Band 4_3MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
19965	1711.5	2.6971	2.6987	3.001	2.983
20175	1732.5	2.7003	2.6980	2.994	2.995
20385	1753.5	2.6998	2.6930	2.978	2.990

Spectrum Plot		
QPSK-19965	QPSK-20175	QPSK-20385
		
16QAM-19965	16QAM-20175	16QAM-20385
		

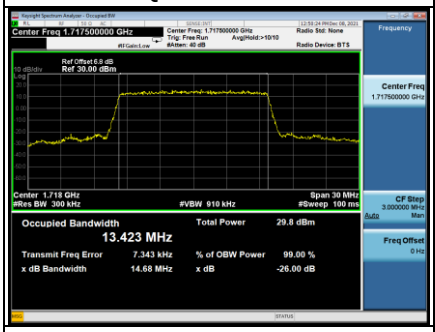
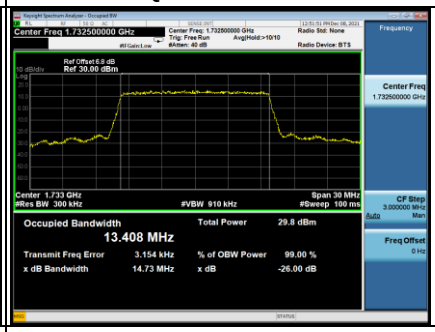
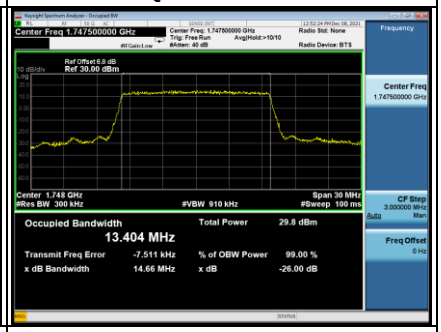
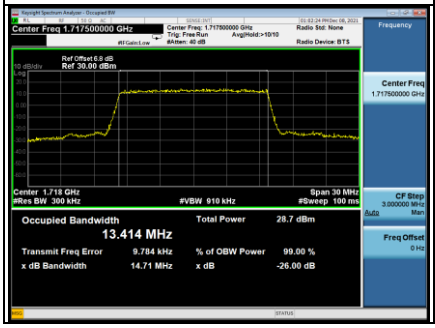
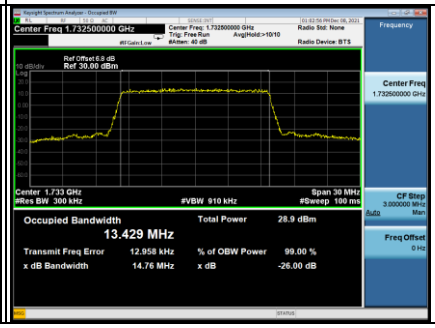
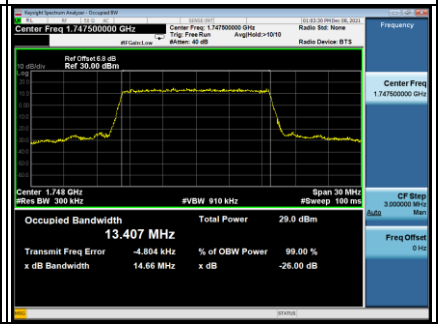
LTE Band 4_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
19975	1712.5	4.5138	4.5047	5.020	4.998
20175	1732.5	4.5118	4.5050	4.969	4.997
20375	1752.5	4.5101	4.4973	4.947	4.960

Spectrum Plot		
QPSK-19975	QPSK-20175	QPSK-20375
		
16QAM-19975	16QAM-20175	16QAM-20375
		

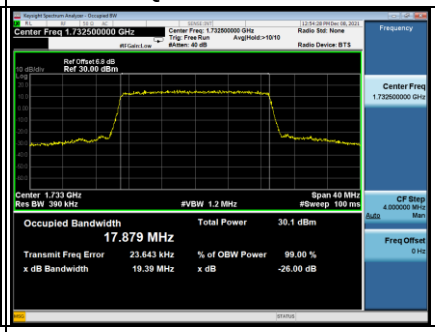
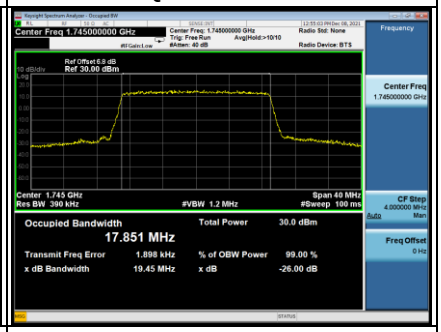
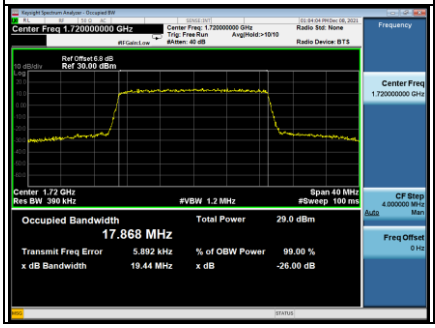
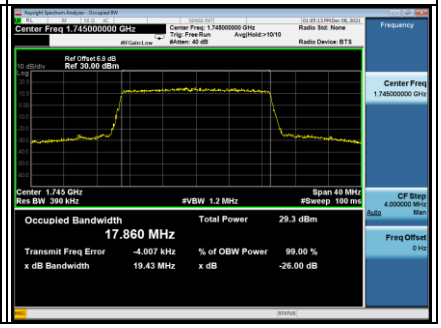
LTE Band 4_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20000	1715	8.9628	8.9562	9.937	9.829
20175	1732.5	8.9571	8.9471	9.858	9.892
20350	1715	8.9723	8.9758	9.777	9.895

Spectrum Plot		
QPSK-20000	QPSK-20175	QPSK-20350
		
16QAM-20000	16QAM-20175	16QAM-20350
		

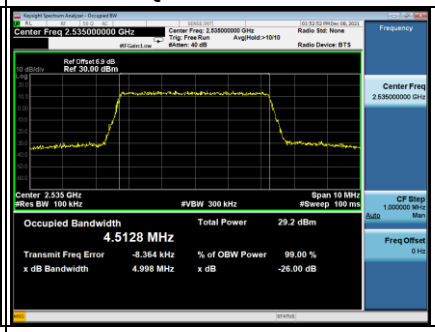
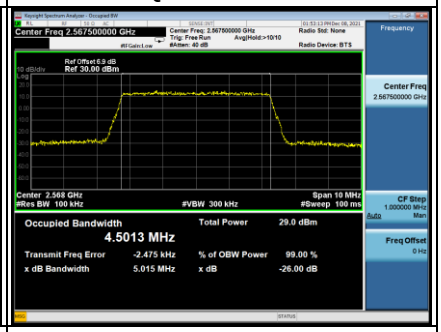
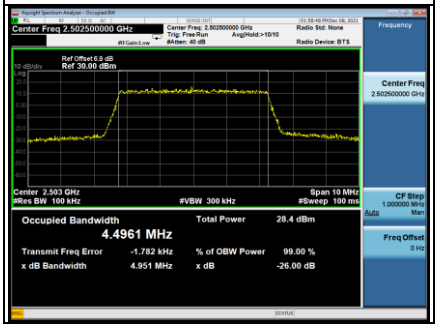
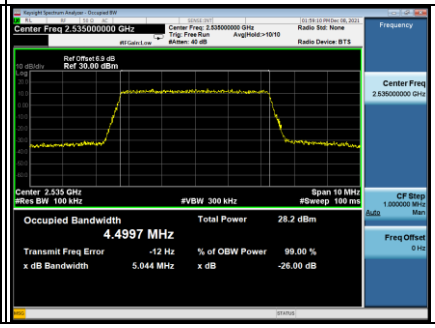
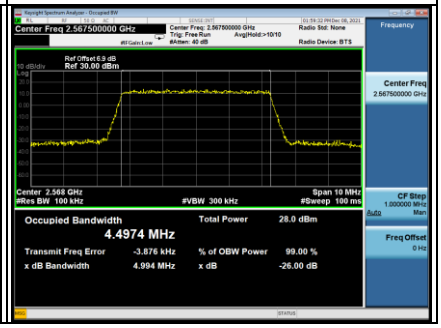
LTE Band 4_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20025	1717.5	13.423	13.414	14.68	14.71
20175	1732.5	13.408	13.429	14.73	14.76
20325	1747.5	13.404	13.407	14.66	14.66

Spectrum Plot		
QPSK-20025	QPSK-20175	QPSK-20325
		
16QAM-20025	16QAM-20175	16QAM-20325
		

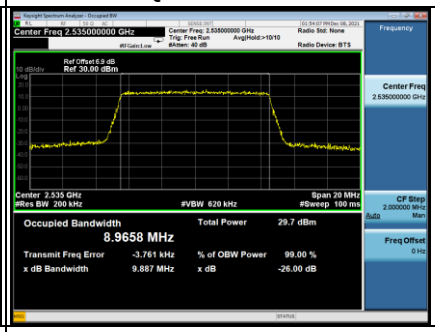
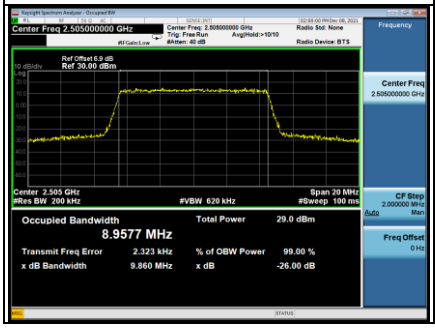
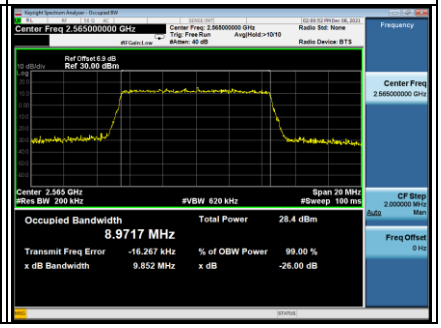
LTE Band 4_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20050	1720	17.851	17.868	19.42	19.44
20175	1732.5	17.879	17.862	19.39	19.40
20300	1740	17.851	17.860	19.45	19.43

Spectrum Plot		
QPSK-20050	QPSK-20175	QPSK-20300
		
16QAM-20050	16QAM-20175	16QAM-20300
		

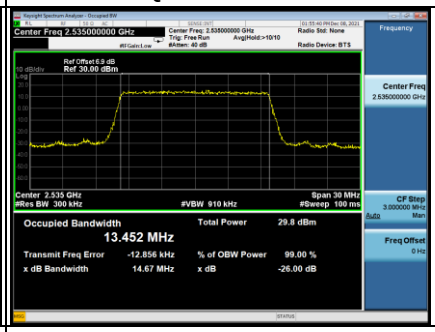
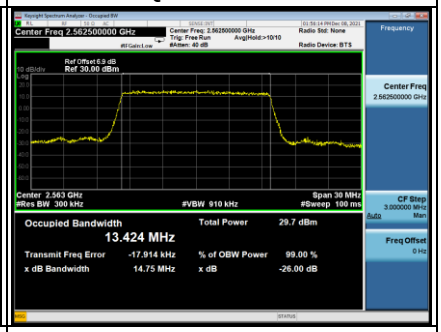
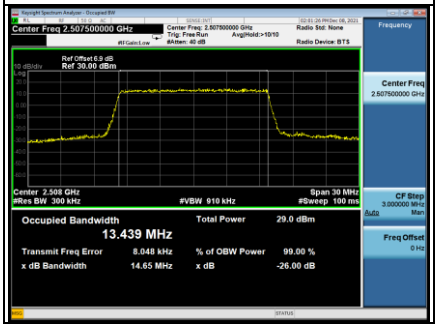
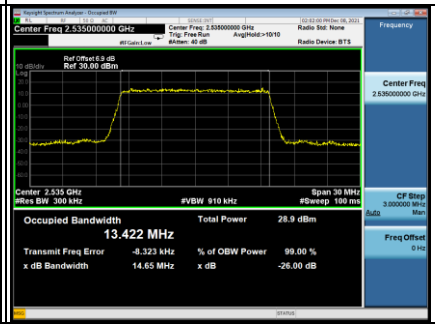
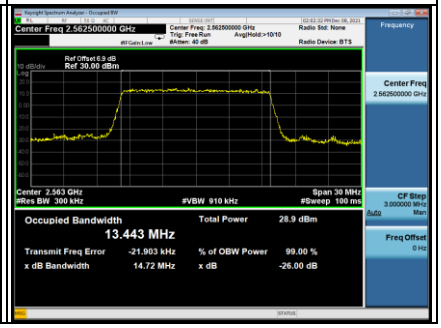
LTE Band 7_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20775	2502.5	4.5098	4.4961	4.983	4.951
21100	2535	4.5128	4.4997	4.998	5.044
21425	2567.5	4.5013	4.4974	5.015	4.994

Spectrum Plot		
QPSK-20775	QPSK-21100	QPSK-21425
		
16QAM-20775	16QAM-21100	16QAM-21425
		

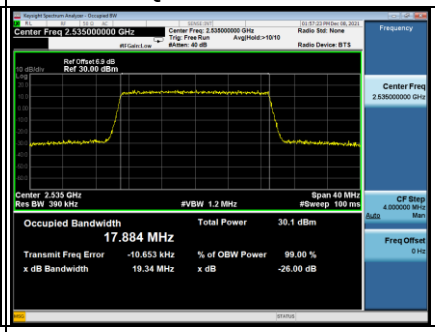
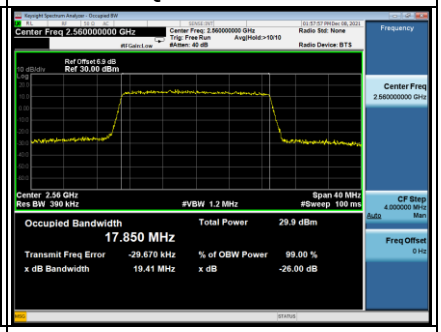
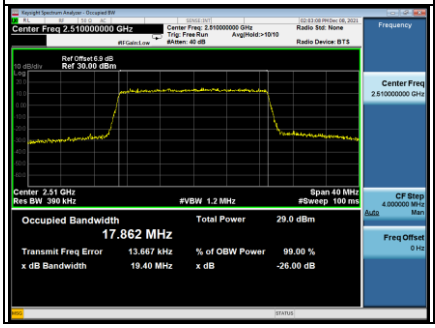
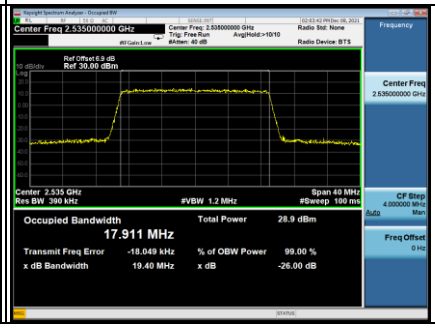
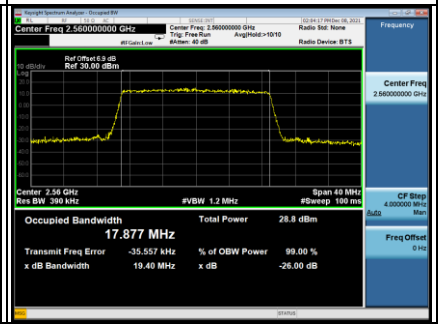
LTE Band 7_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20800	2505	8.9621	8.9577	9.912	9.860
21100	2535	8.9658	8.9628	9.887	9.798
21400	2565	8.9751	8.9717	9.866	9.852

Spectrum Plot		
QPSK-20800	QPSK-21100	QPSK-21400
		
16QAM-20800	16QAM-21100	16QAM-21400
		

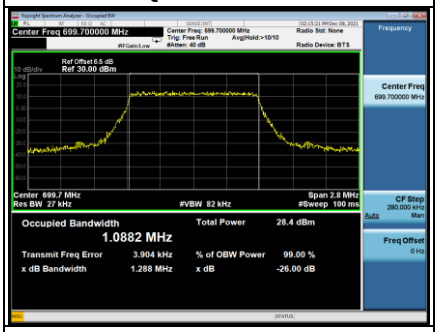
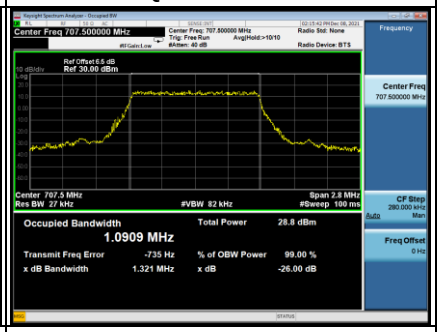
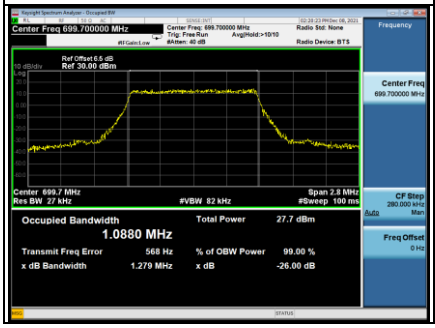
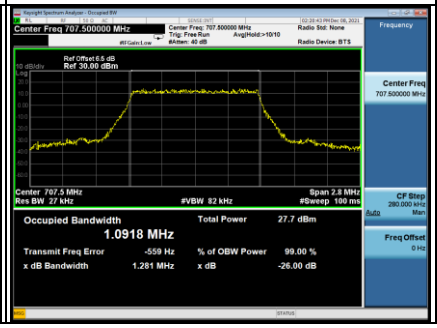
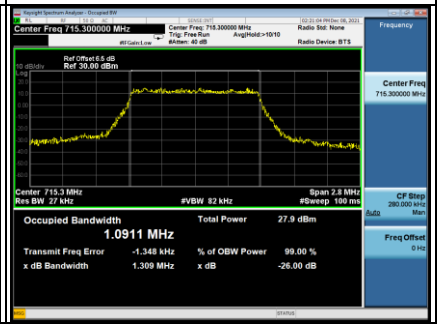
LTE Band 7_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20825	2507.5	13.468	13.439	14.79	14.65
21100	2535	13.452	13.422	14.67	14.65
21375	2562.5	13.424	13.443	14.75	14.72

Spectrum Plot		
QPSK-20825	QPSK-21100	QPSK-21375
		
16QAM-20825	16QAM-21100	16QAM-21375
		

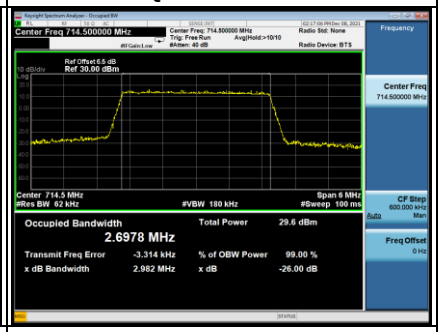
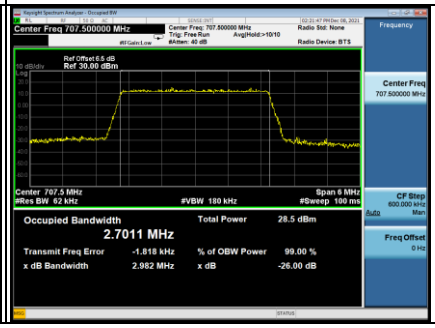
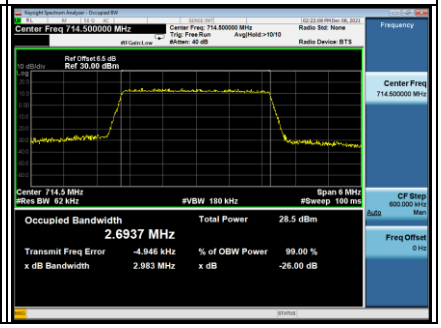
LTE Band 7_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20850	2510	17.896	17.862	19.41	19.40
21100	2535	17.884	17.911	19.34	19.40
21350	2560	17.850	17.877	19.41	19.40

Spectrum Plot		
QPSK-20850	QPSK-21100	QPSK-21350
		
16QAM-20850	16QAM-21100	16QAM-21350
		

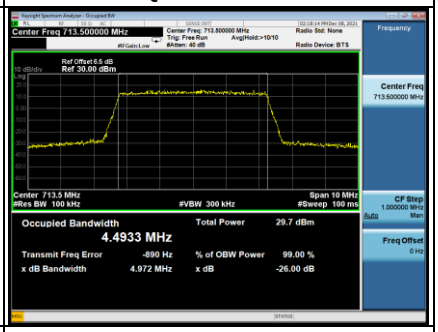
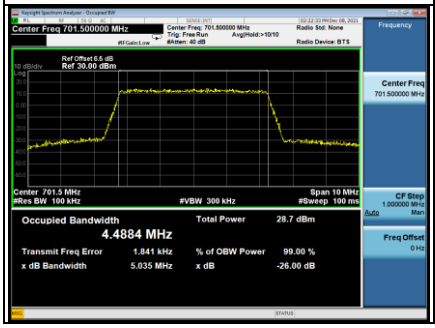
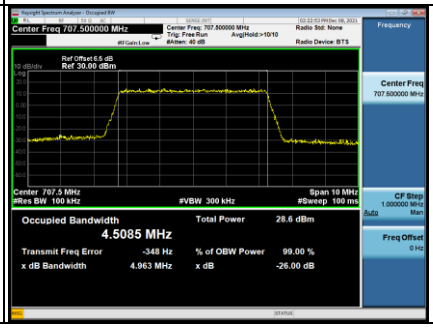
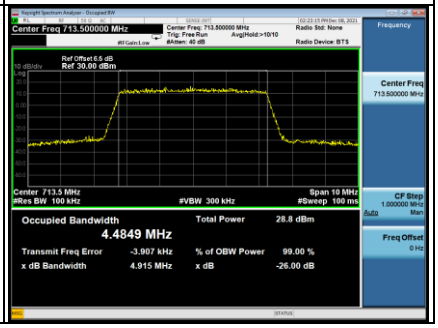
LTE Band 12_1.4MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23017	699.7	1.0882	1.0880	1.288	1.279
23095	707.5	1.0909	1.0918	1.321	1.281
23173	715.3	1.0977	1.0911	1.296	1.309

Spectrum Plot		
QPSK-23017	QPSK-23095	QPSK-23173
		
16QAM-23017	16QAM-23095	16QAM-23173
		

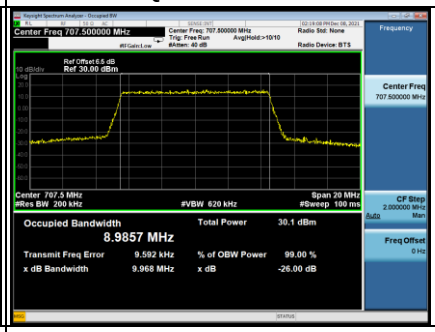
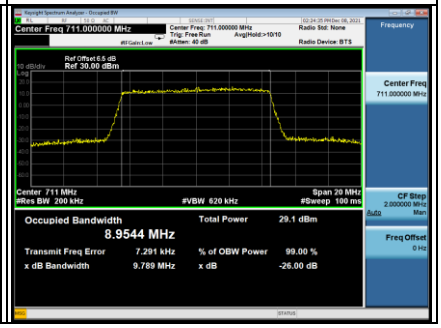
LTE Band 12_3MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23025	700.5	2.6954	2.6981	2.989	2.963
23095	707.5	2.7009	2.7011	2.994	2.982
23165	714.5	2.6978	2.6937	2.982	2.983

Spectrum Plot		
QPSK-23025	QPSK-23095	QPSK-23165
		
16QAM-23025	16QAM-23095	16QAM-23165
		

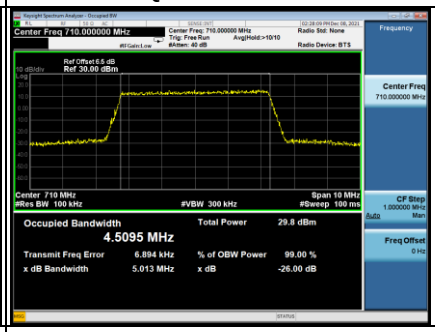
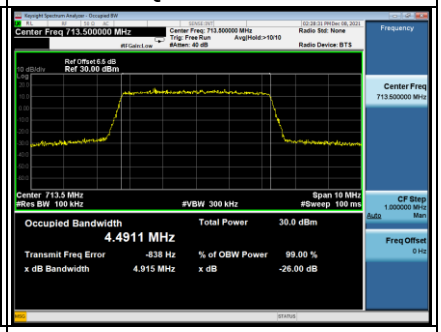
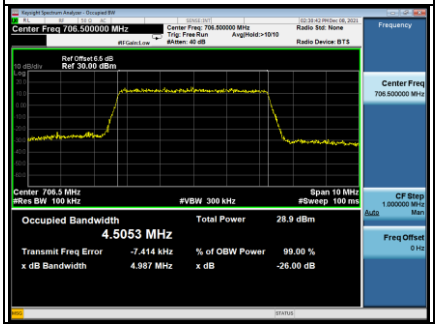
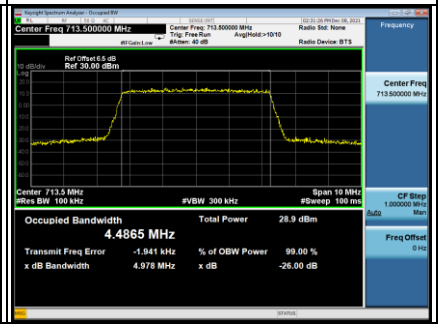
LTE Band 12_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23035	701.5	4.5088	4.4884	5.010	5.035
23095	707.5	4.5128	4.5085	4.983	4.963
23155	713.5	4.4933	4.4849	4.972	4.915

Spectrum Plot		
QPSK-23035	QPSK-23095	QPSK-23155
		
16QAM-23035	16QAM-23095	16QAM-23155
		

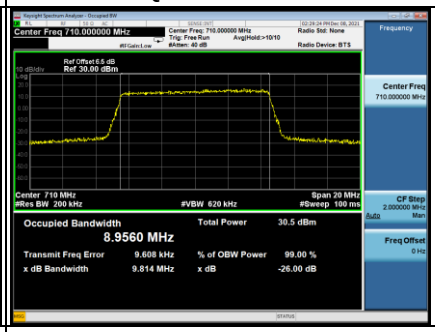
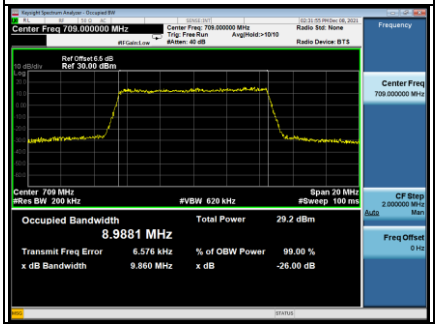
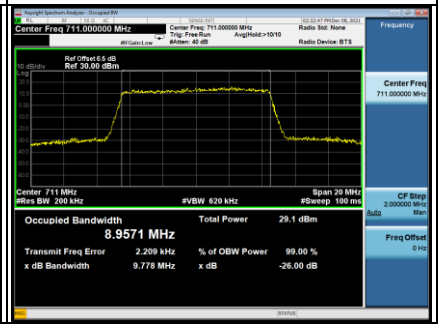
LTE Band 12_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23060	704.0	8.9640	8.9593	9.868	9.949
23095	707.5	8.9857	8.9744	9.968	9.860
23130	711.0	8.9493	8.9544	9.764	9.789

Spectrum Plot		
QPSK-23060	QPSK-23095	QPSK-23130
		
16QAM-23060	16QAM-23095	16QAM-23130
		

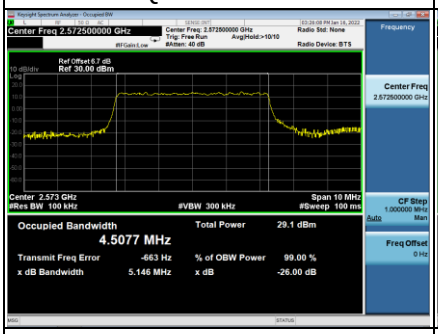
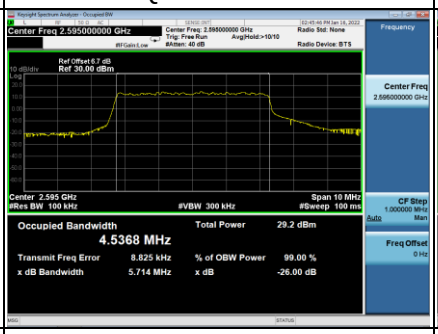
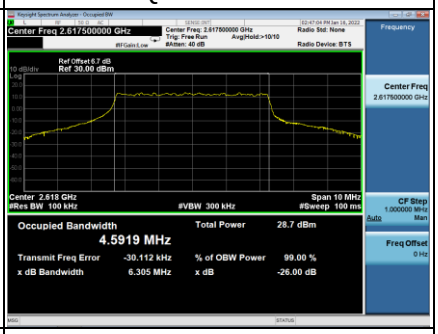
LTE Band 17_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23755	706.5	4.5055	4.5053	4.969	4.987
23790	710	4.5095	4.5069	5.013	5.034
23825	713.5	4.4911	4.4865	4.915	4.978

Spectrum Plot		
QPSK-23755	QPSK-23790	QPSK-23825
		
16QAM-23755	16QAM-23790	16QAM-23825
		

LTE Band 17_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23780	709	8.9839	8.9881	9.984	9.860
23790	710	8.9560	8.9592	9.814	9.861
23800	711	8.9516	8.9571	9.867	9.778

Spectrum Plot		
QPSK-23780	QPSK-23790	QPSK-23800
		
16QAM-23780	16QAM-23790	16QAM-23800
		

LTE Band 38_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
37775	2572.5	4.5077	4.5052	5.146	5.177
38000	2595	4.5368	4.5026	5.714	5.003
38225	2617.5	4.5919	4.5080	6.305	5.580

Spectrum Plot		
QPSK-37775	QPSK-38000	QPSK-38225
		
16QAM-37775	16QAM-38000	16QAM-38225