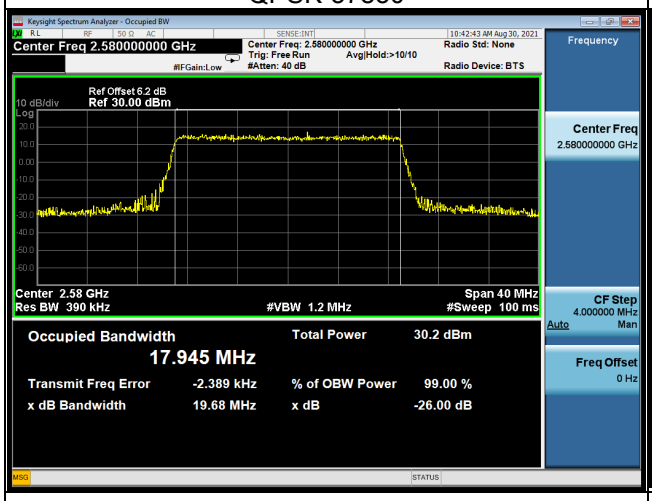
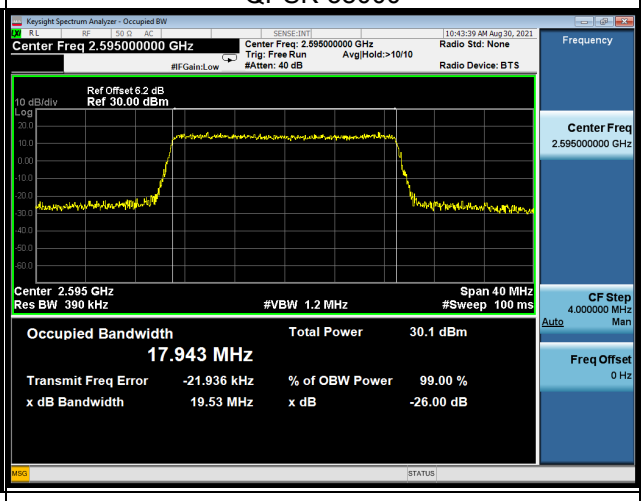
Spectrum Plot

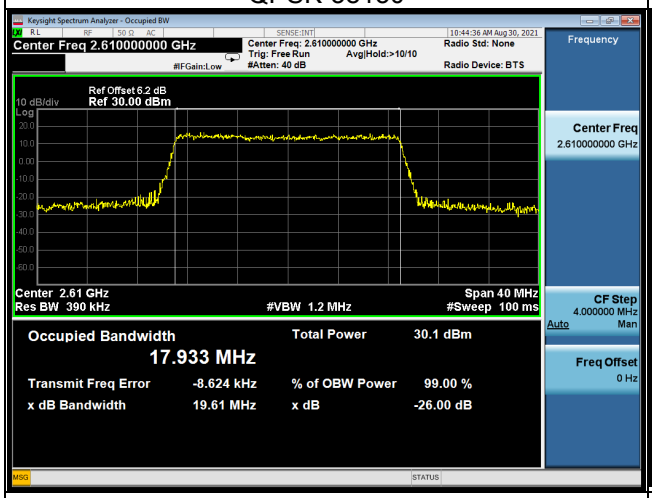
QPSK-37850



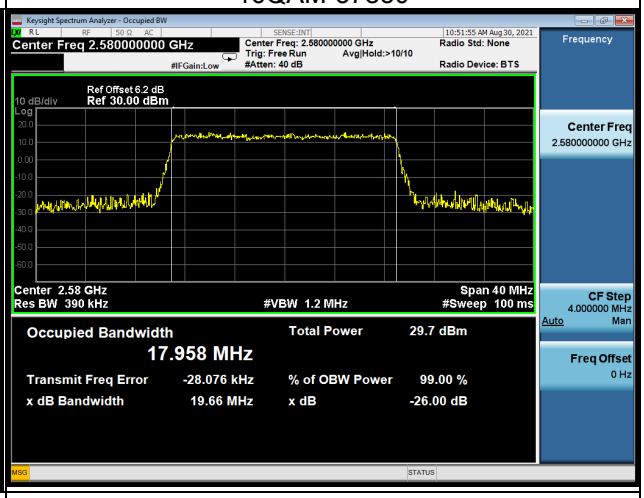
QPSK-38000



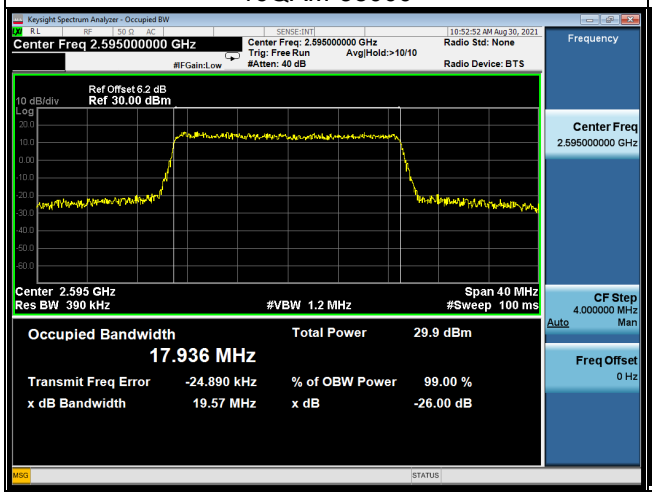
QPSK-38150



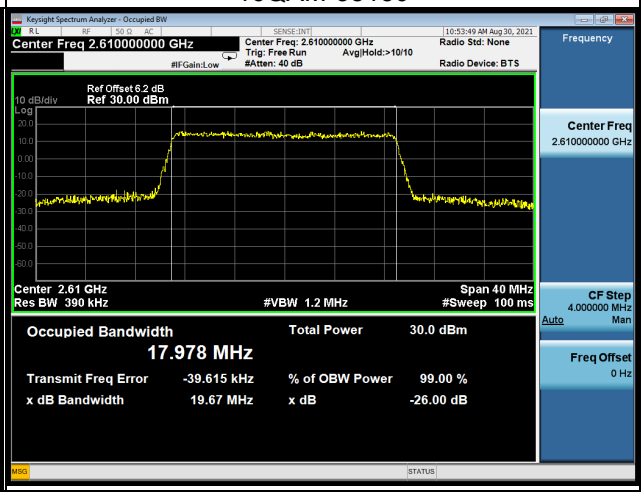
16QAM-37850

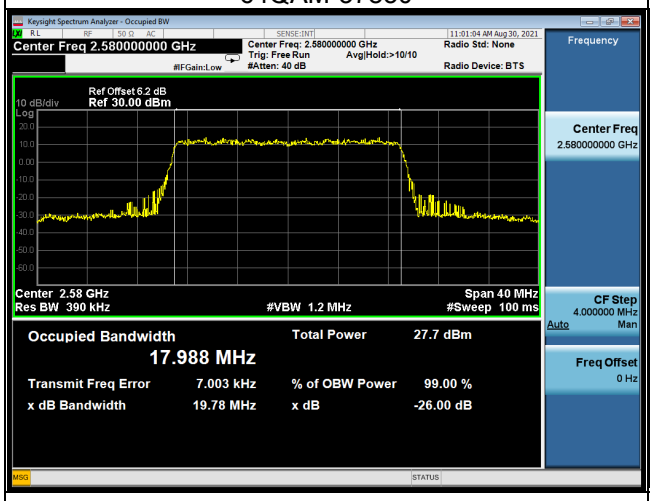
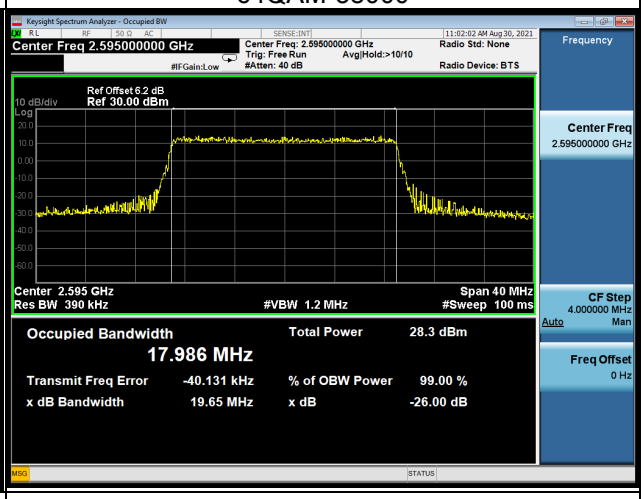
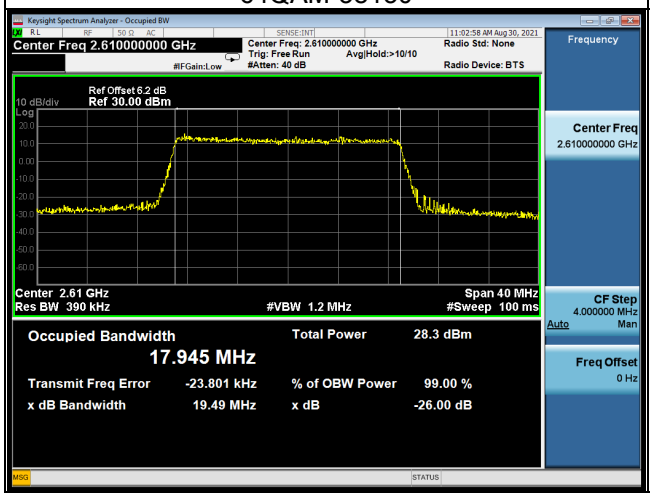


16QAM-38000



16QAM-38150

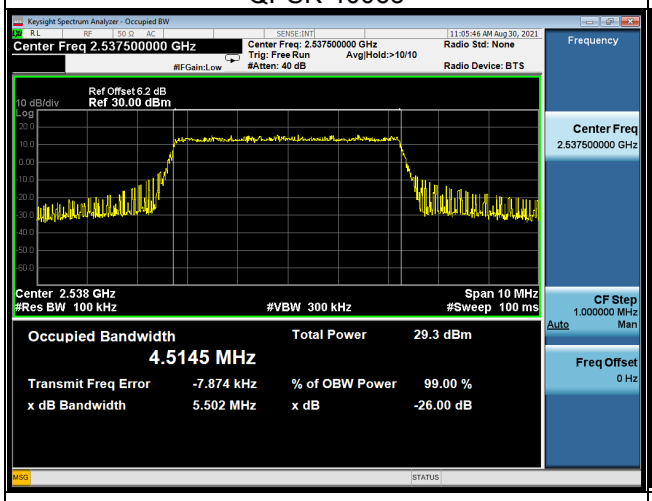


Spectrum Plot	
64QAM-37850	64QAM-38000
	
64QAM-38150	-
	-

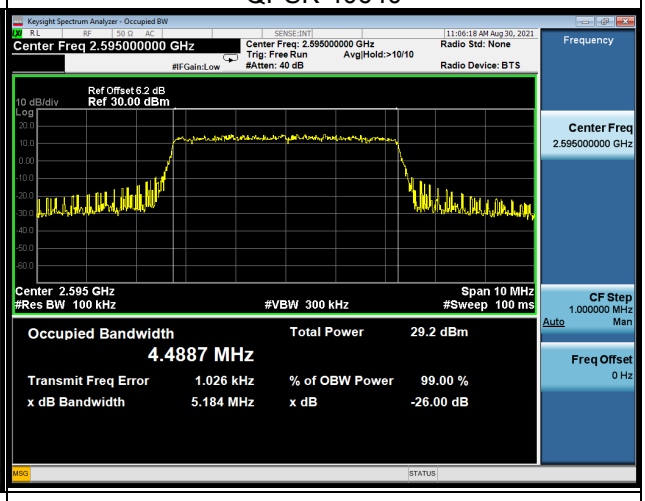
LTE Band 41_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40065	2537.5	4.5145	40065	2537.5	5.502
40640	2595	4.4887	40640	2595	5.184
41215	2652.5	4.4987	41215	2652.5	5.078
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40065	2537.5	4.4881	40065	2537.5	4.930
40640	2595	4.4942	40640	2595	4.940
41215	2652.5	4.4782	41215	2652.5	4.979
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40065	2537.5	4.4944	40065	2537.5	4.969
40640	2595	4.4985	40640	2595	4.940
41215	2652.5	4.4893	41215	2652.5	4.987

Spectrum Plot

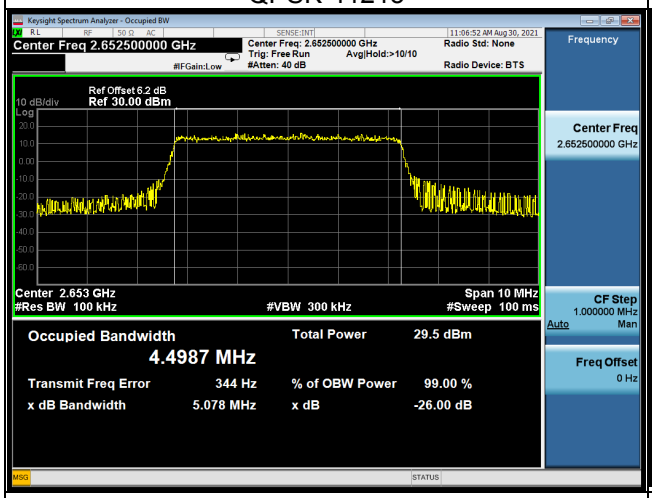
QPSK-40065



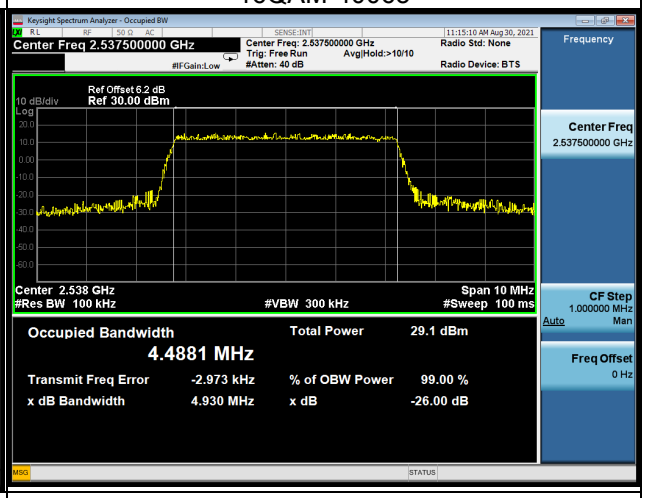
QPSK-40640



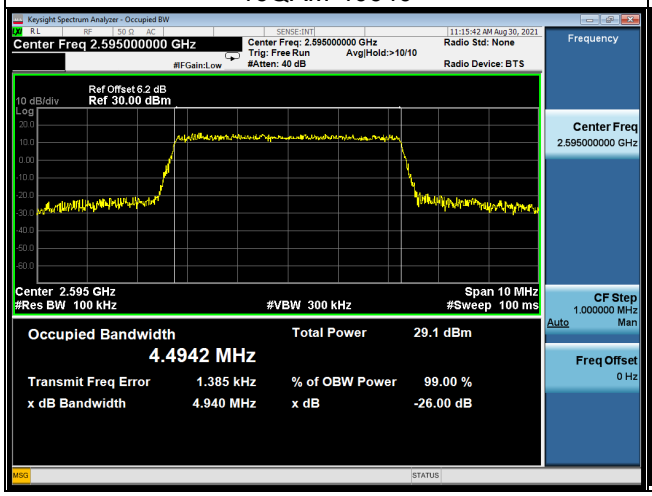
QPSK-41215



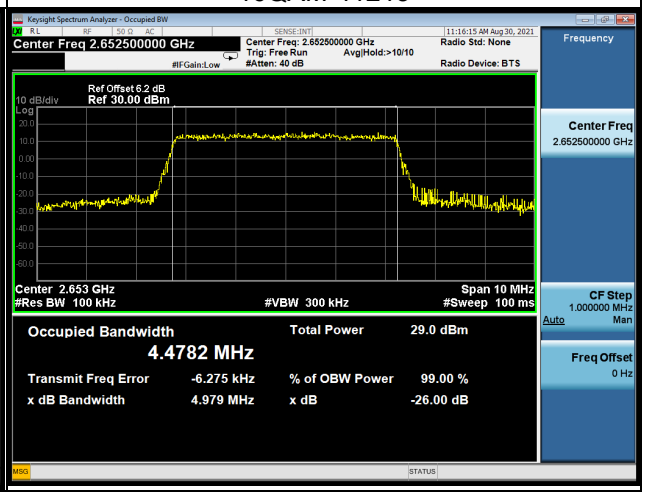
16QAM-40065

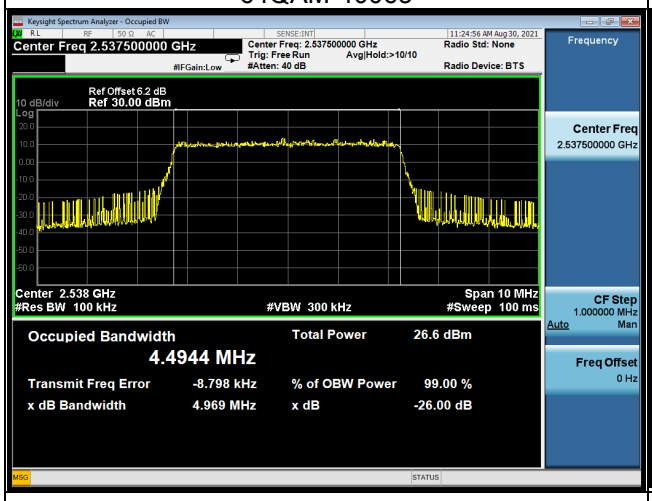
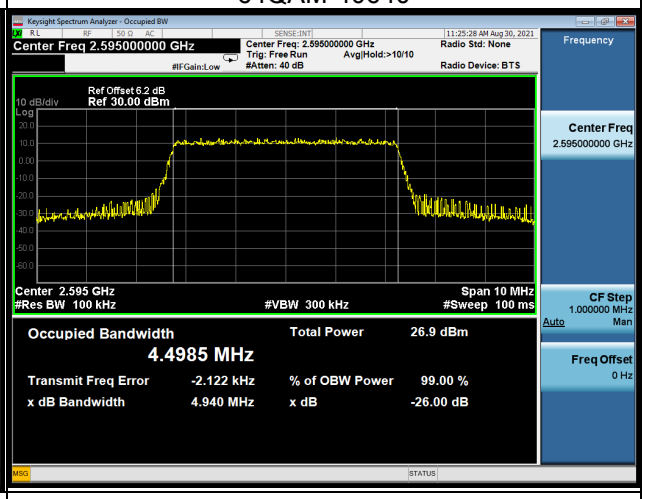
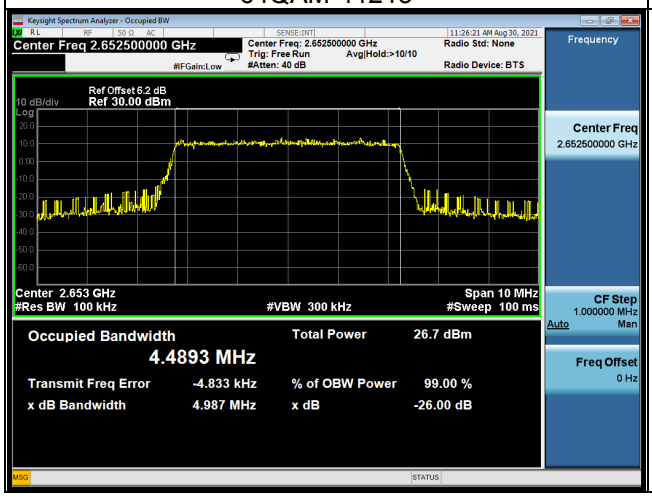


16QAM-40640



16QAM-41215

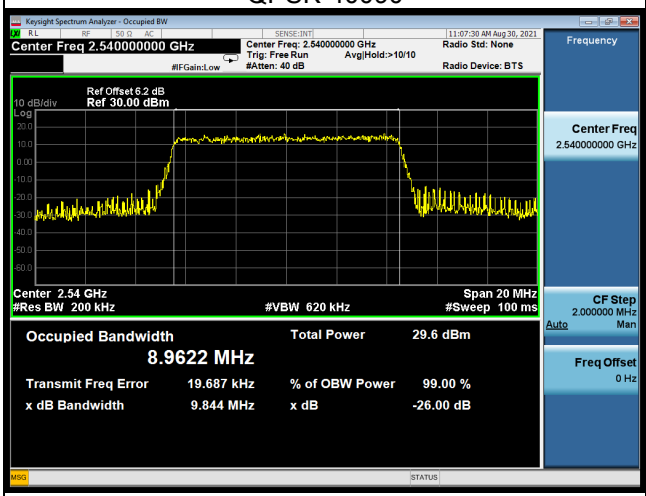


Spectrum Plot	
64QAM-40065	64QAM-40640
	
64QAM-41215	-
	-

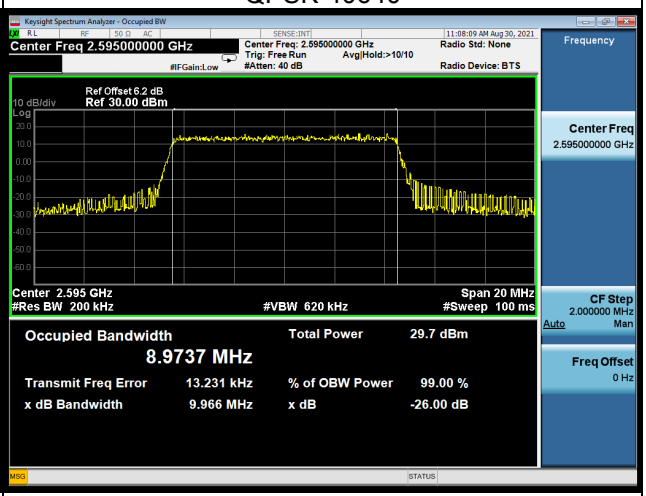
LTE Band 41_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40090	2540	8.9622	40090	2540	9.844
40640	2595	8.9737	40640	2595	9.966
41190	2650	9.0059	41190	2650	9.864
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40090	2540	8.9737	40090	2540	10.01
40640	2595	8.9706	40640	2595	10.06
41190	2650	8.9746	41190	2650	10.48
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40090	2540	9.0052	40090	2540	10.33
40640	2595	8.9627	40640	2595	10.05
41190	2650	8.9705	41190	2650	10.07

Spectrum Plot

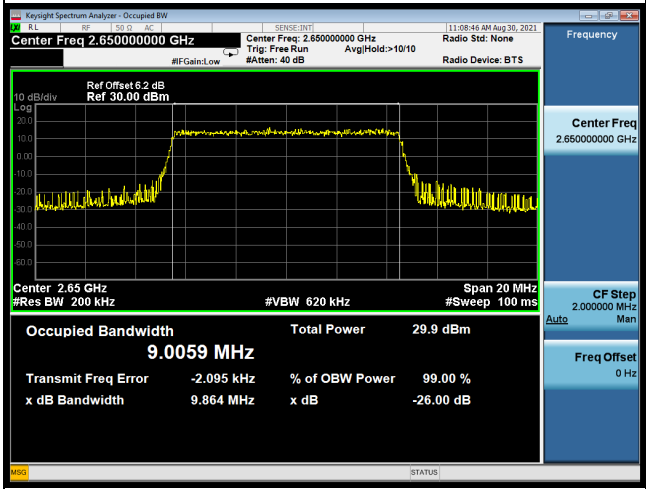
QPSK-40090



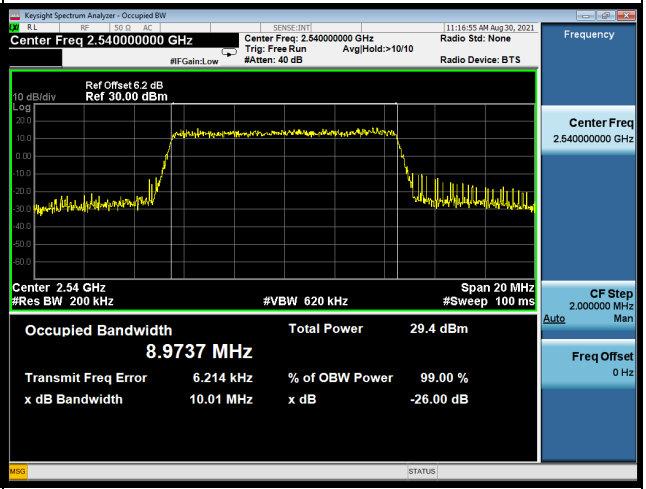
QPSK-40640



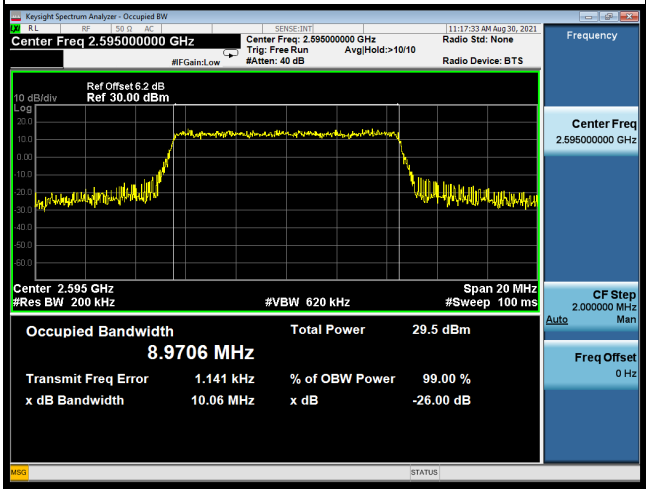
QPSK-41190



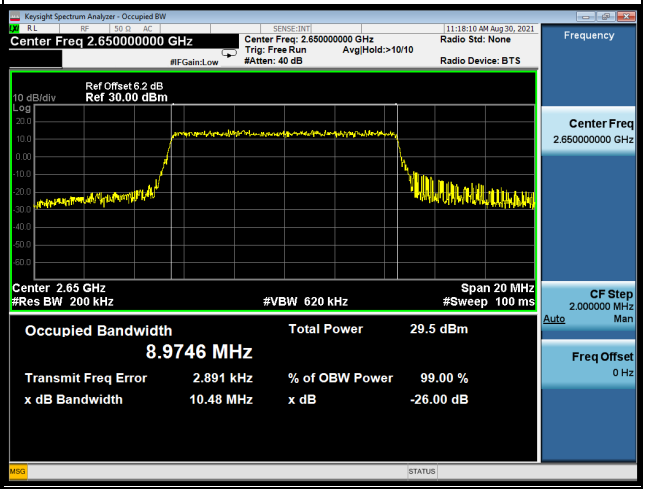
16QAM-40090

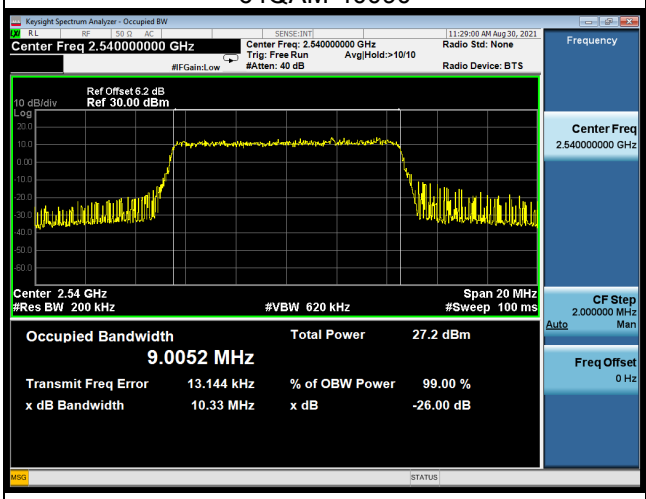
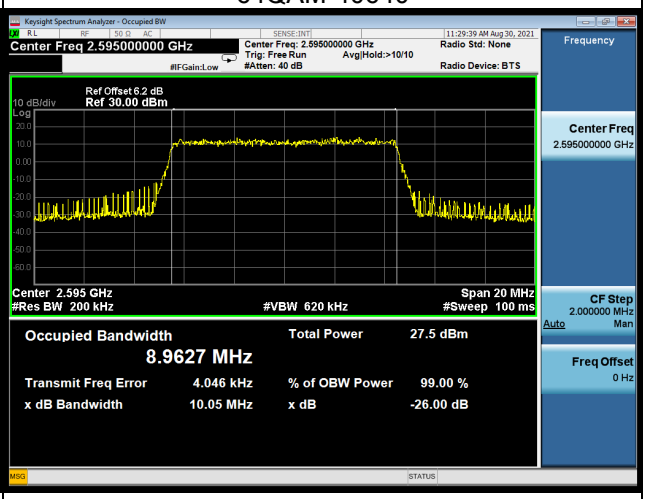
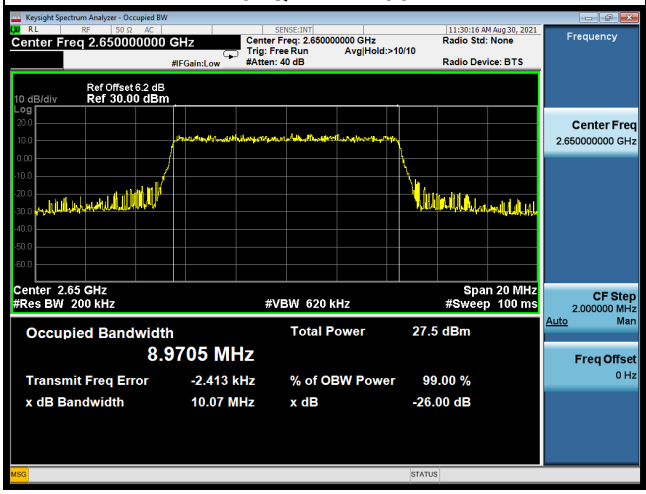


16QAM-40640



16QAM-41190

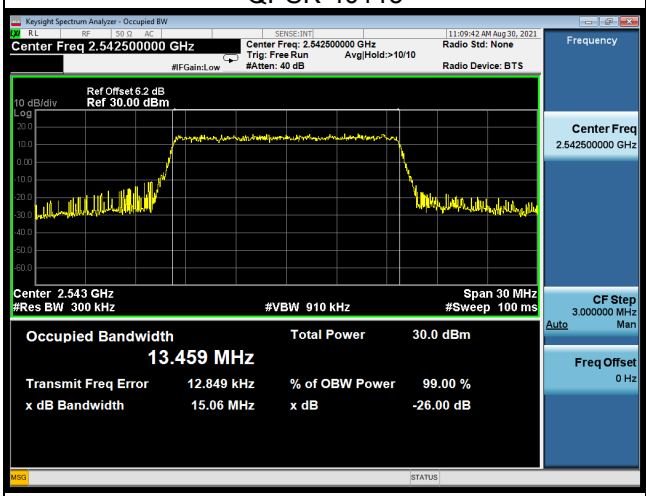


Spectrum Plot	
64QAM-40090	64QAM-40640
	
64QAM-41190	-
	-

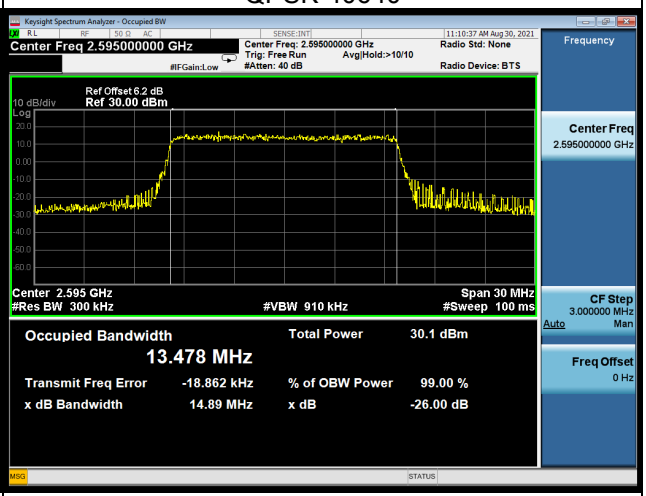
LTE Band 41_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40115	2542.5	13.459	40115	2542.5	15.06
40640	2595	13.478	40640	2595	14.89
41165	2647.5	13.441	41165	2647.5	14.95
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40115	2542.5	13.418	40115	2542.5	14.77
40640	2595	13.448	40640	2595	15.28
41165	2647.5	13.426	41165	2647.5	14.28
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40115	2542.5	13.443	40115	2542.5	14.84
40640	2595	13.466	40640	2595	15.00
41165	2647.5	13.466	41165	2647.5	15.24

Spectrum Plot

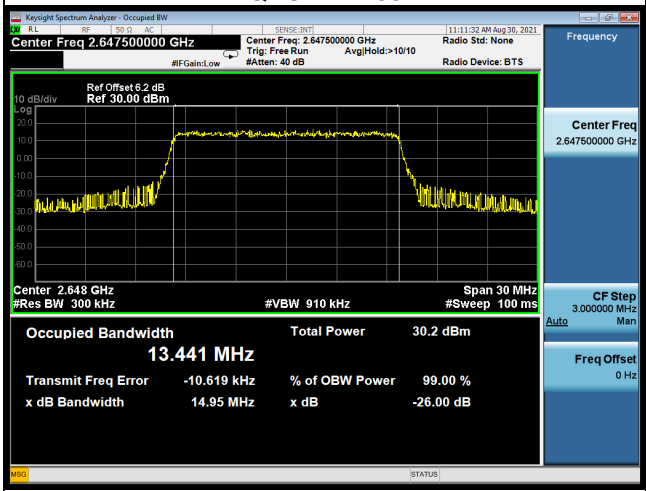
QPSK-40115



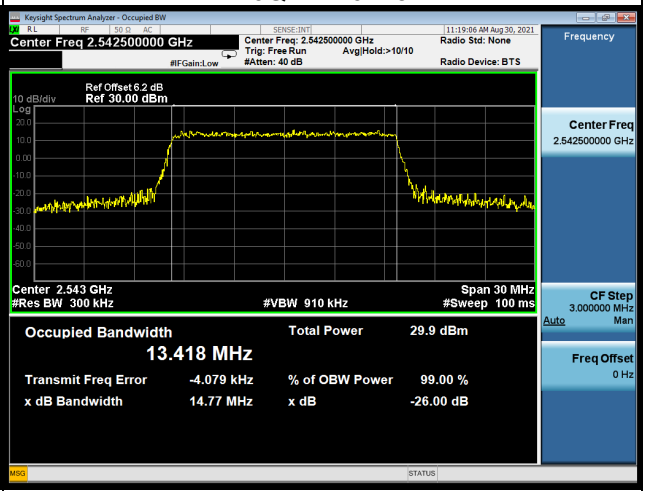
QPSK-40640



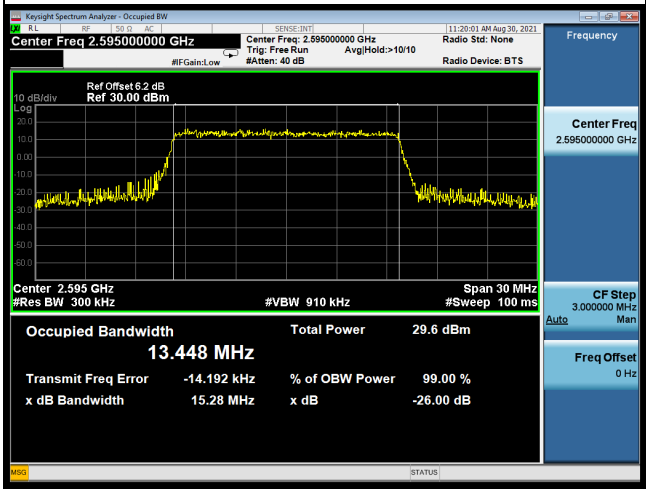
QPSK-41165



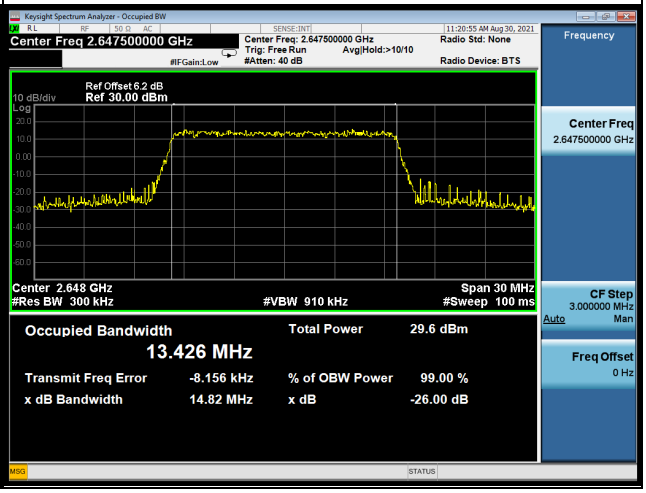
16QAM-40115

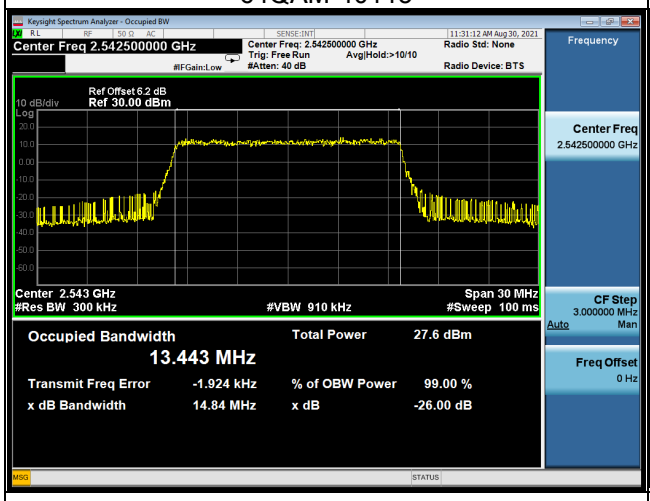
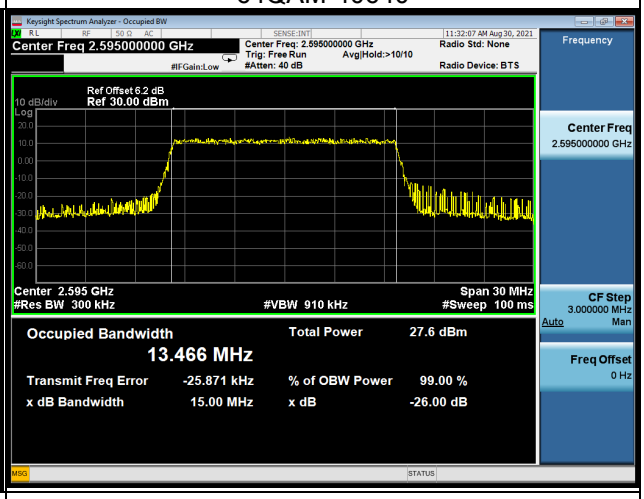
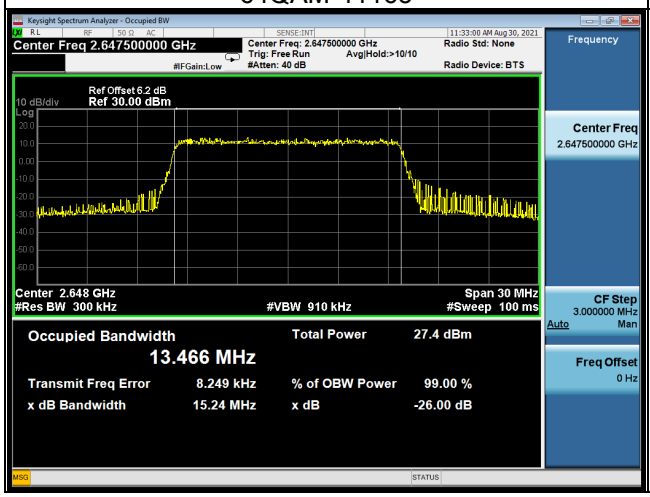


16QAM-40640



16QAM-41165

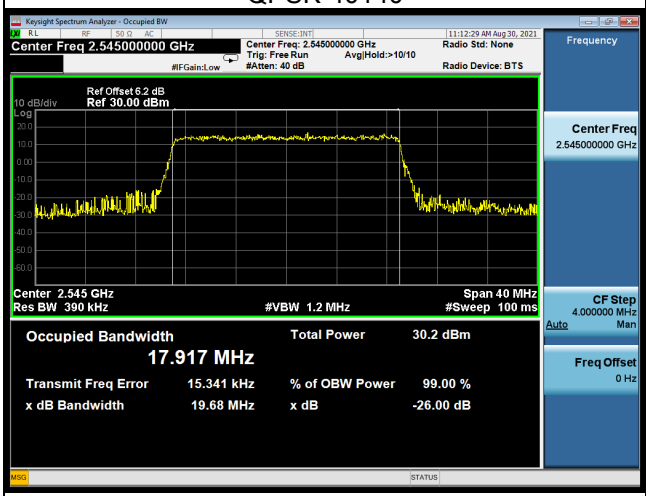


Spectrum Plot	
64QAM-40115	64QAM-40640
	
64QAM-41165	-
	-

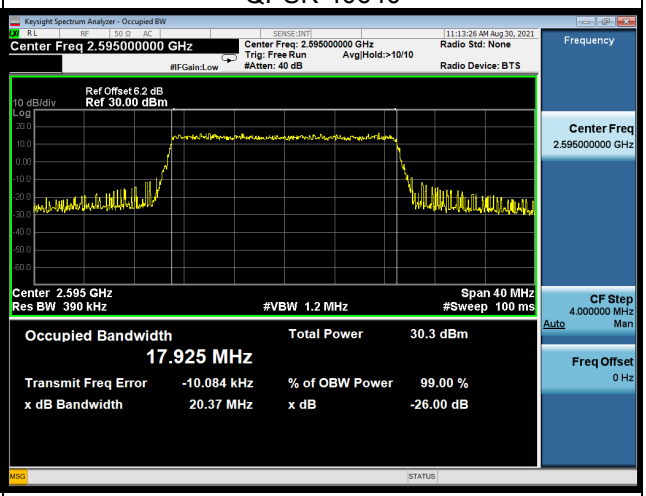
LTE Band 41_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40140	2545	17.917	40140	2545	19.68
40640	2595	17.925	40640	2595	20.37
41140	2645	17.947	41140	2645	19.53
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40140	2545	17.935	40140	2545	20.23
40640	2595	17.923	40640	2595	20.50
41140	2645	17.945	41140	2645	20.19
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
40140	2545	17.953	40140	2545	19.86
40640	2595	17.951	40640	2595	19.66
41140	2645	17.957	41140	2645	19.78

Spectrum Plot

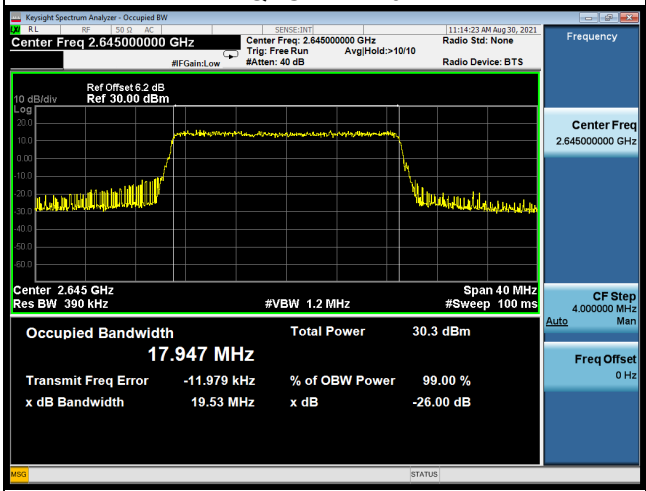
QPSK-40140



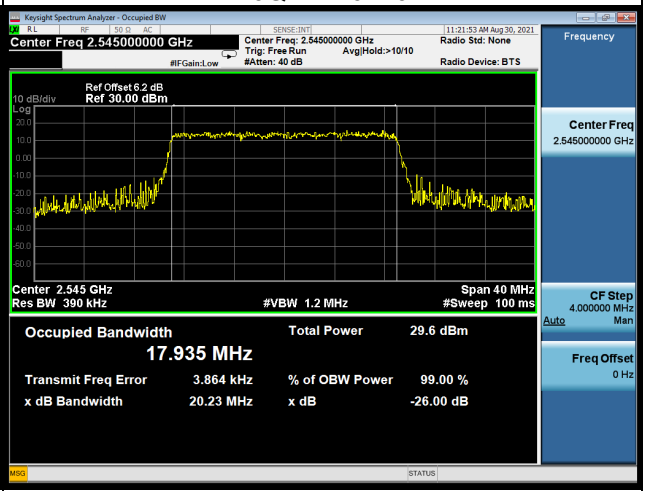
QPSK-40640



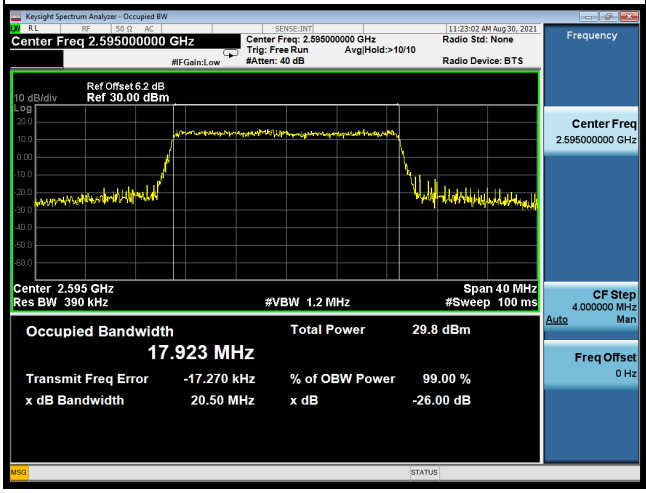
QPSK-41140



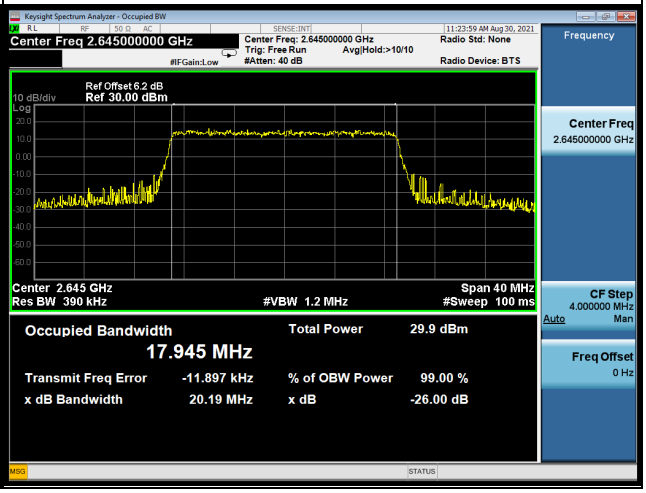
16QAM-40140

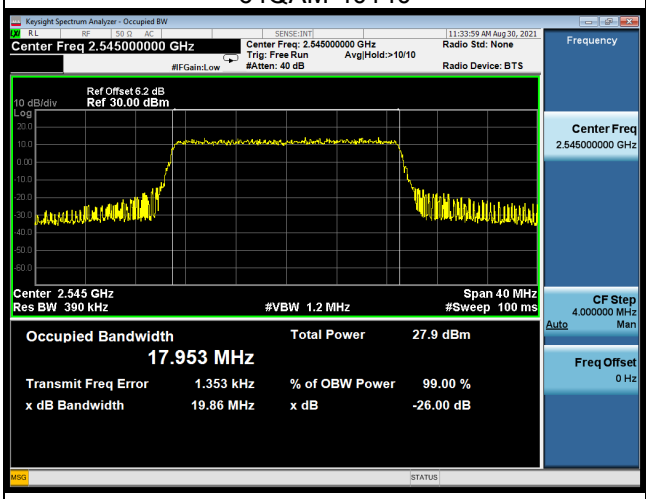
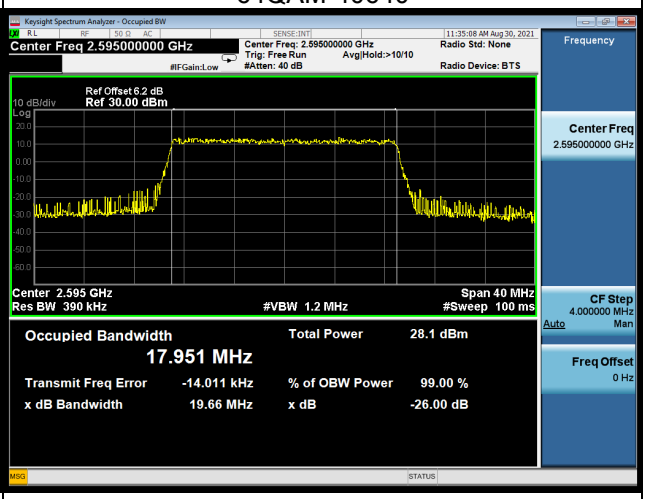
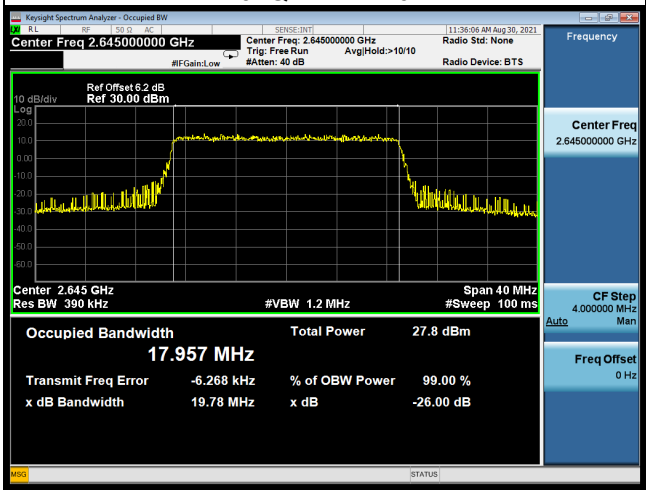


16QAM-40640



16QAM-41140

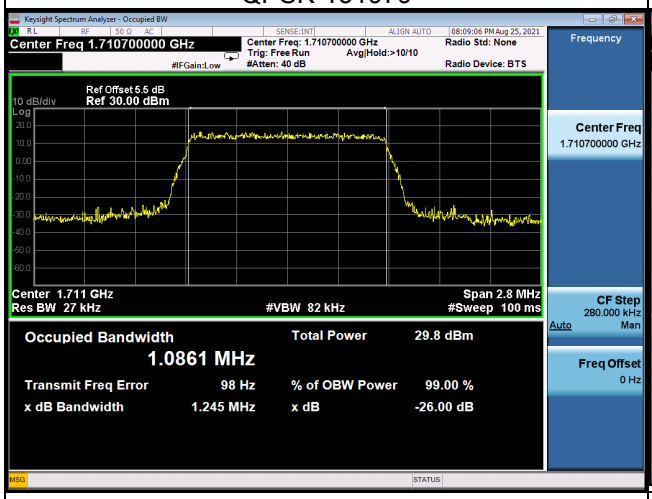


Spectrum Plot	
64QAM-40140	64QAM-40640
	
64QAM-41140	-
	-

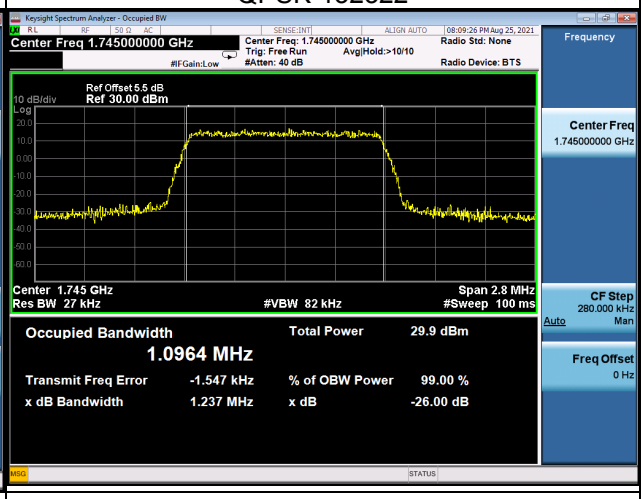
LTE Band 66_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131979	1710.7	1.0861	131979	1710.7	1.245
132322	1745	1.0964	132322	1745	1.237
132665	1779.3	1.0960	132665	1779.3	1.242
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131979	1710.7	1.0961	131979	1710.7	1.236
132322	1745	1.0858	132322	1745	1.231
132665	1779.3	1.0933	132665	1779.3	1.241
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131979	1710.7	1.0859	131979	1710.7	1.233
132322	1745	1.0867	132322	1745	1.236
132665	1779.3	1.0868	132665	1779.3	1.234

Spectrum Plot

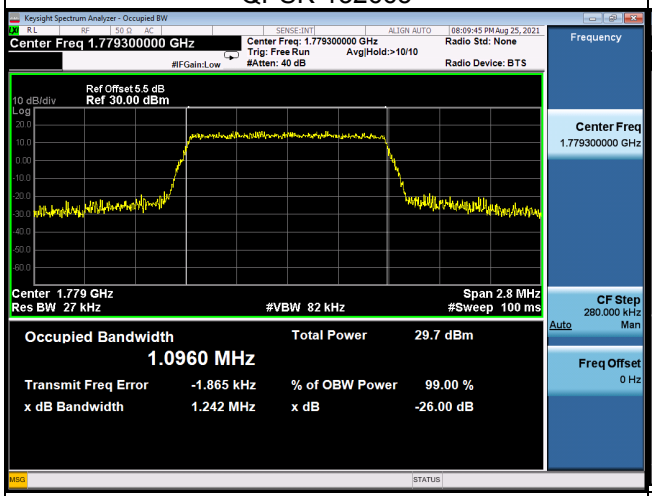
QPSK-131979



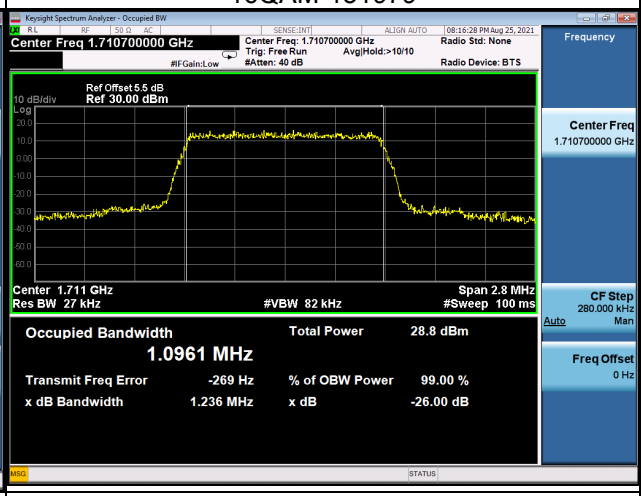
QPSK-132322



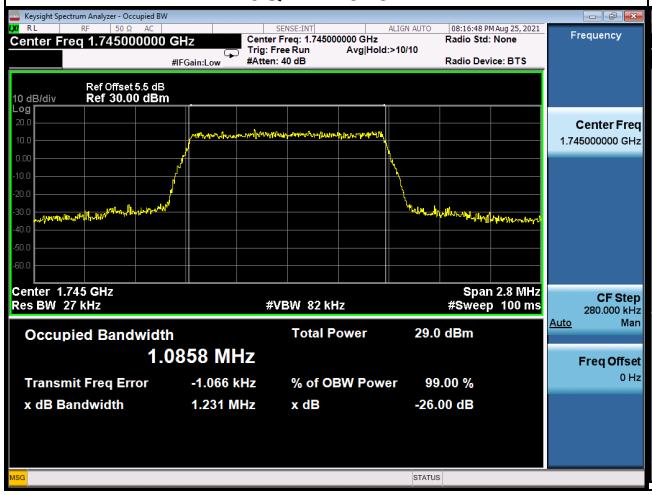
QPSK-132665



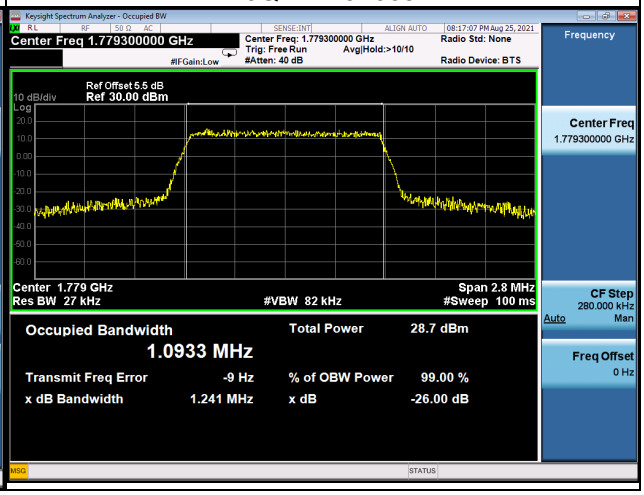
16QAM-131979

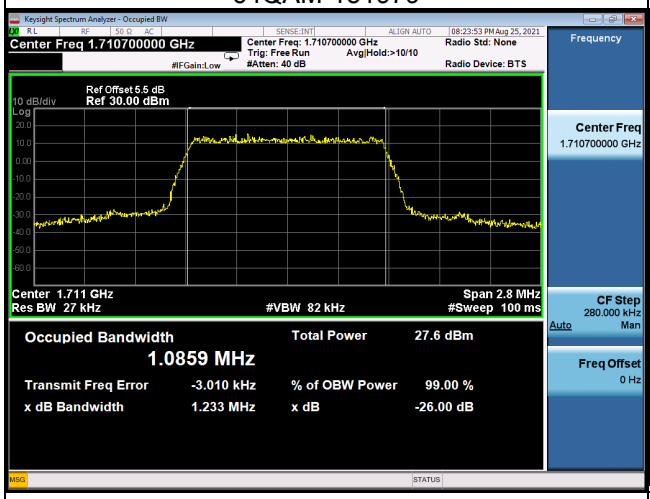
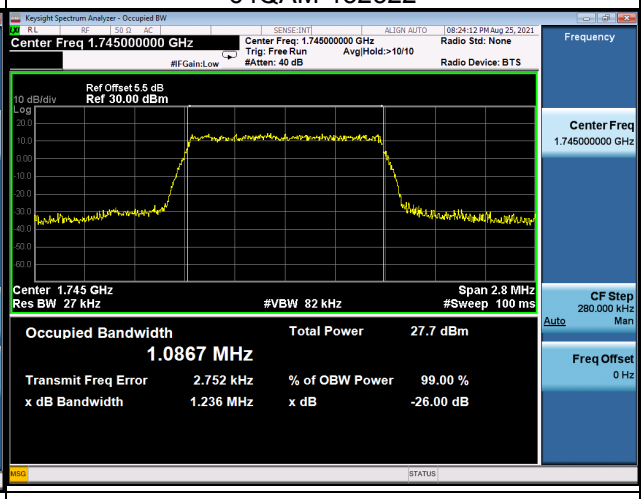
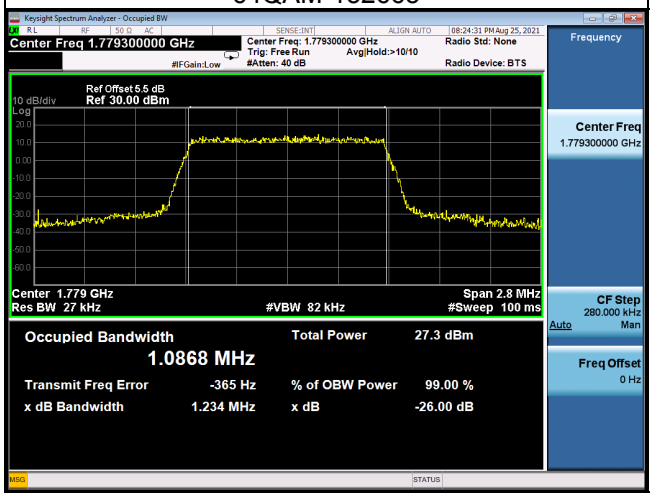


16QAM-132322



16QAM-132665

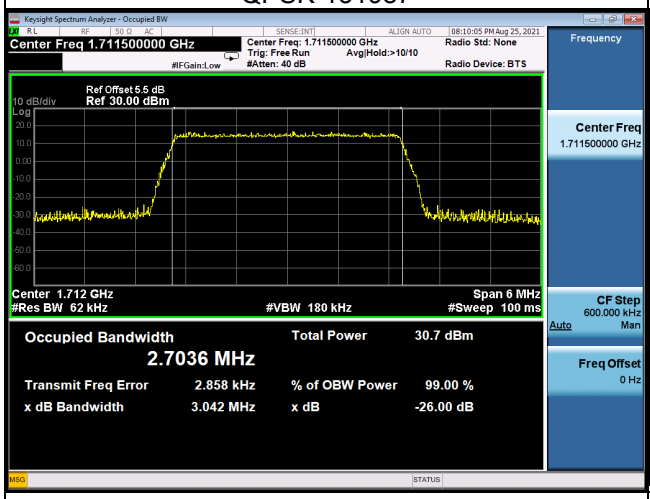


Spectrum Plot	
64QAM-131979	64QAM-132322
	
64QAM-132665	-
	-

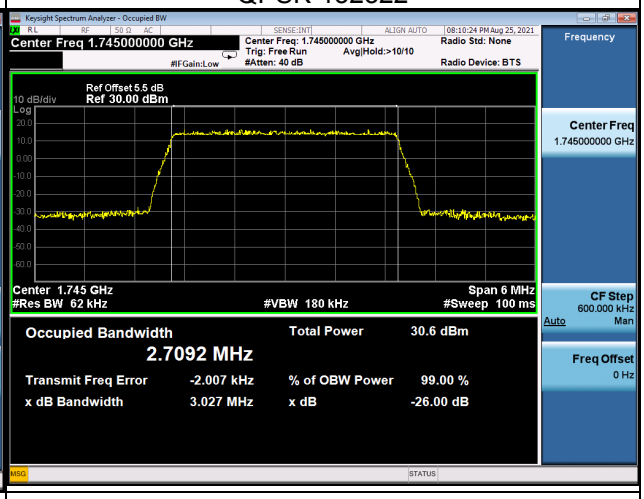
LTE Band 66_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131987	1711.5	2.7036	131987	1711.5	3.042
132322	1745	2.7092	132322	1745	3.027
132657	1778.5	2.7105	132657	1778.5	3.025
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131987	1711.5	2.7114	131987	1711.5	3.037
132322	1745	2.7056	132322	1745	3.031
132657	1778.5	2.7031	132657	1778.5	3.041
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131987	1711.5	2.7207	131987	1711.5	3.051
132322	1745	2.7004	132322	1745	3.003
132657	1778.5	2.7057	132657	1778.5	3.043

Spectrum Plot

QPSK-131987

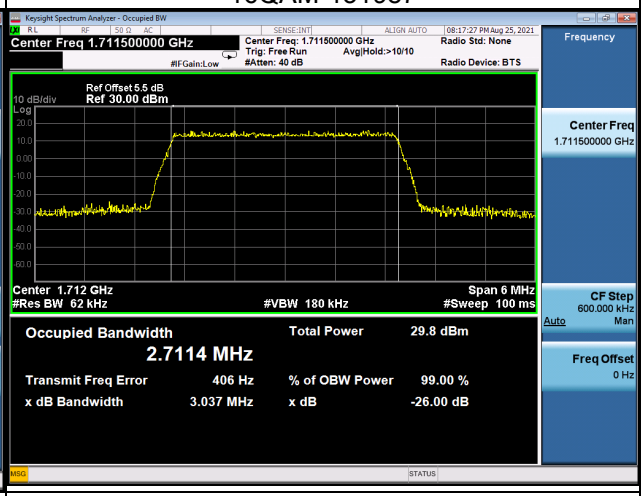


QPSK-132322

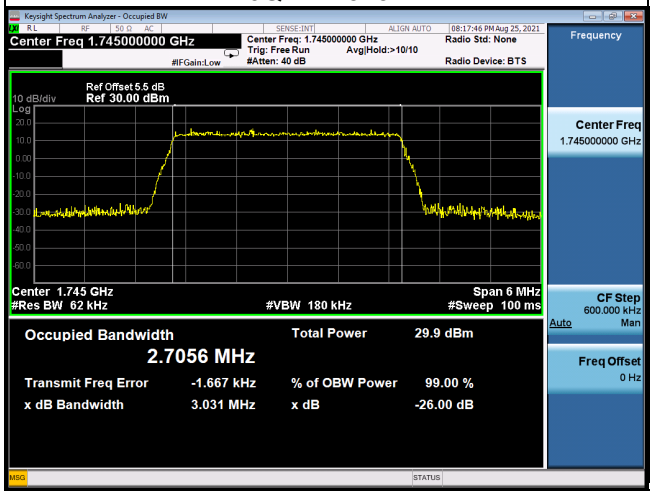


QPSK-132657

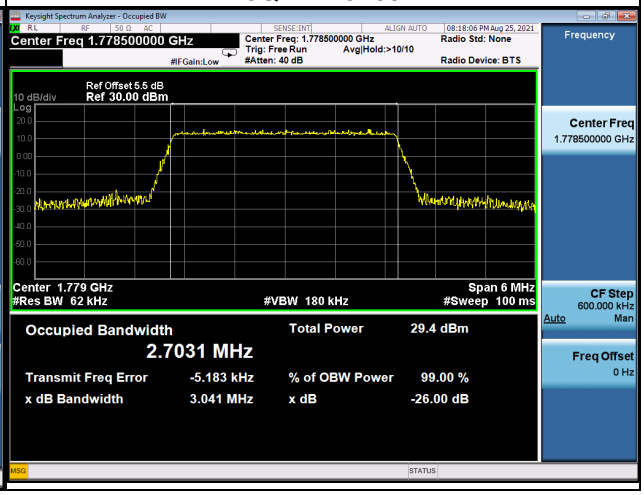
16QAM-131987

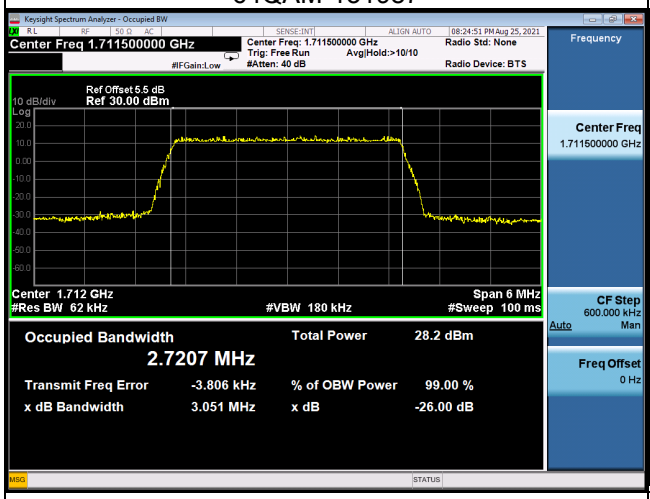
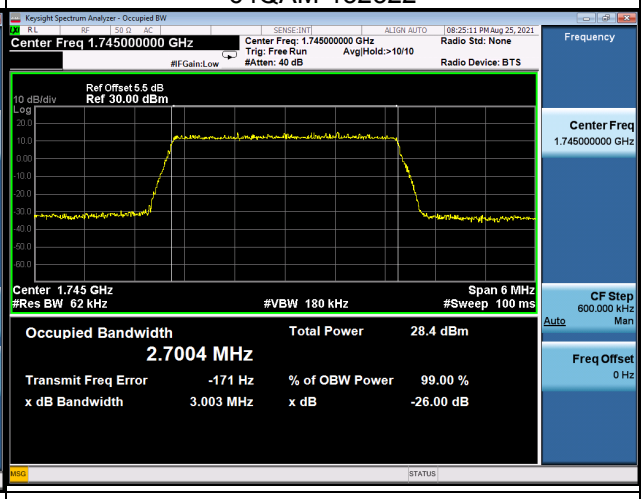
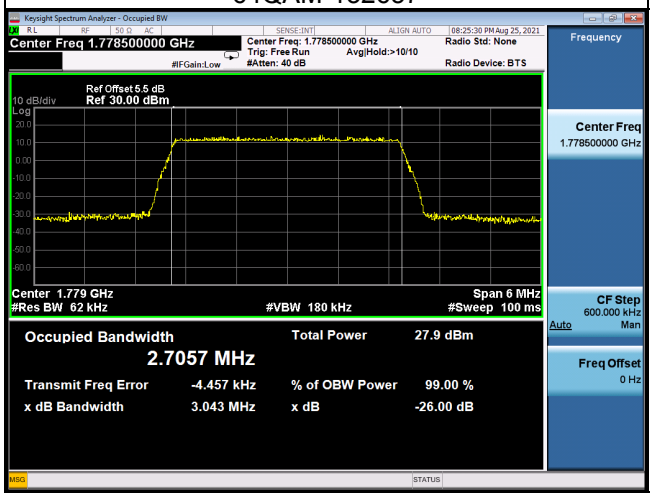


16QAM-132322



16QAM-132657

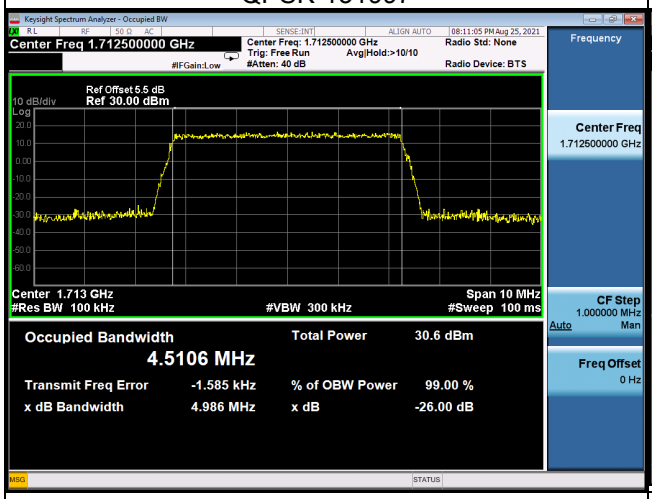


Spectrum Plot	
64QAM-131987	64QAM-132322
	
64QAM-132657	-
	-

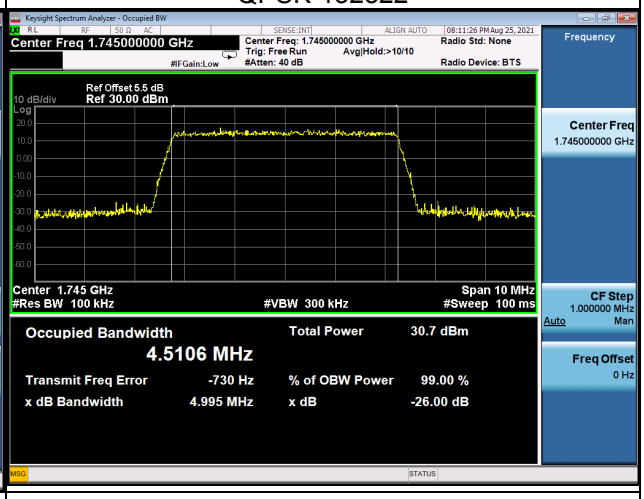
LTE Band 66_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5106	131997	1712.5	4.986
132322	1745	4.5106	132322	1745	4.995
132647	1777.5	4.4989	132647	1777.5	4.953
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.4966	131997	1712.5	4.977
132322	1745	4.5048	132322	1745	4.963
132647	1777.5	4.4994	132647	1777.5	4.920
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5049	131997	1712.5	4.975
132322	1745	4.5079	132322	1745	4.959
132647	1777.5	4.5084	132647	1777.5	4.974

Spectrum Plot

QPSK-131997

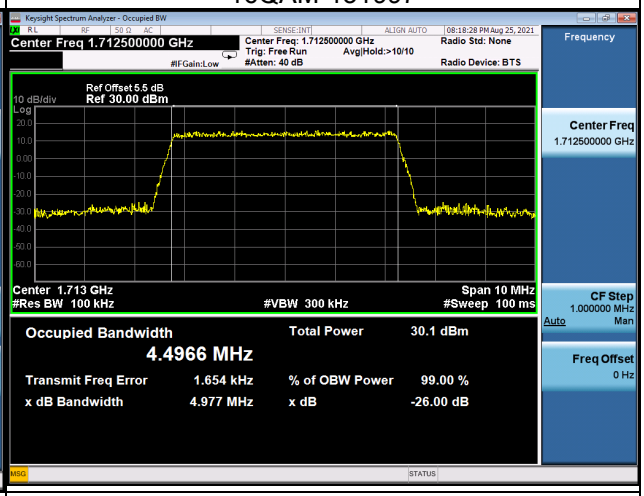


QPSK-132322



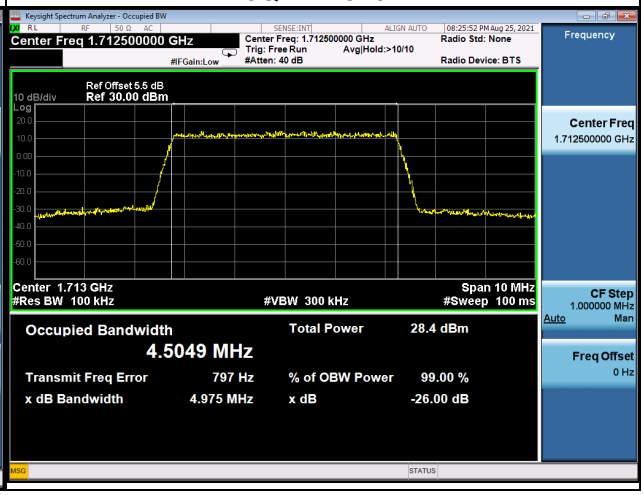
QPSK-132647

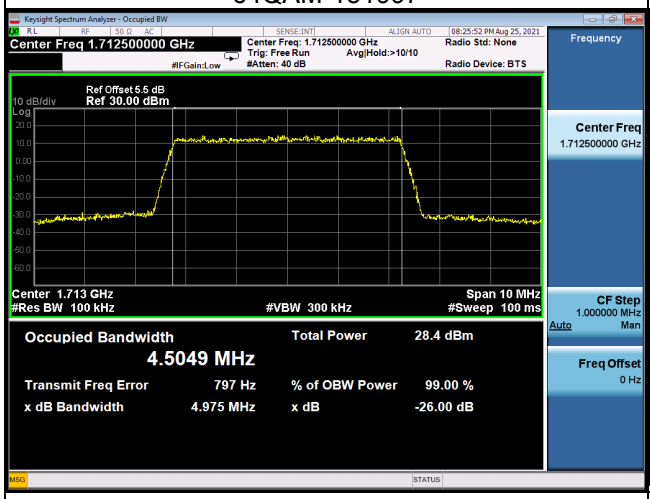
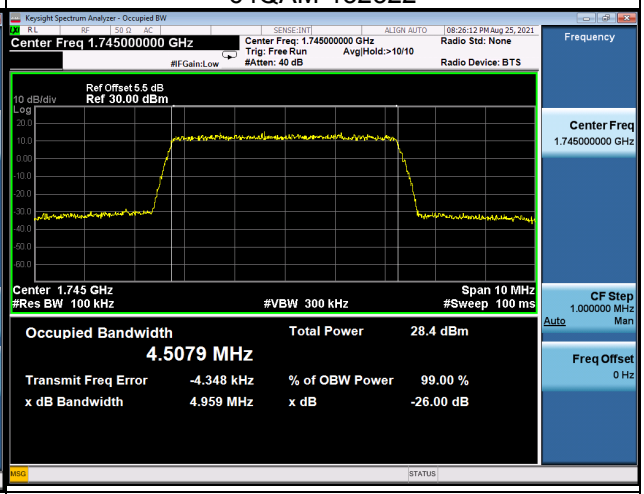
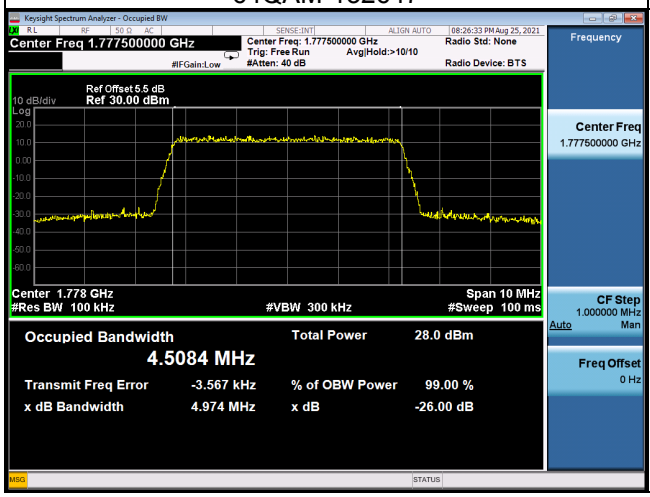
16QAM-131997



16QAM-132322

16QAM-132647

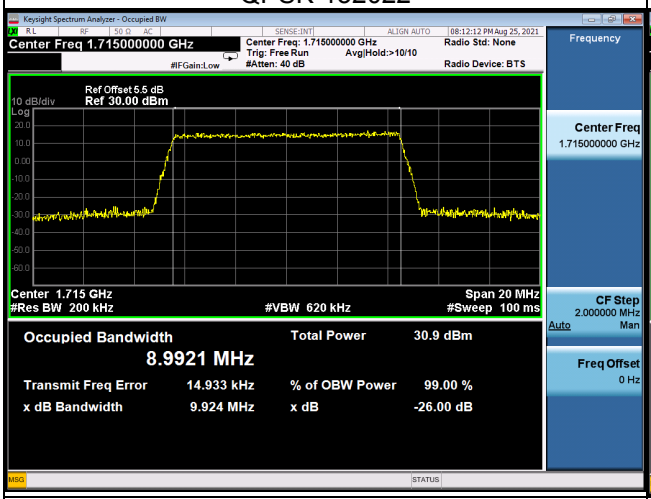


Spectrum Plot	
64QAM-131997	64QAM-132322
	
64QAM-132647	-
	-

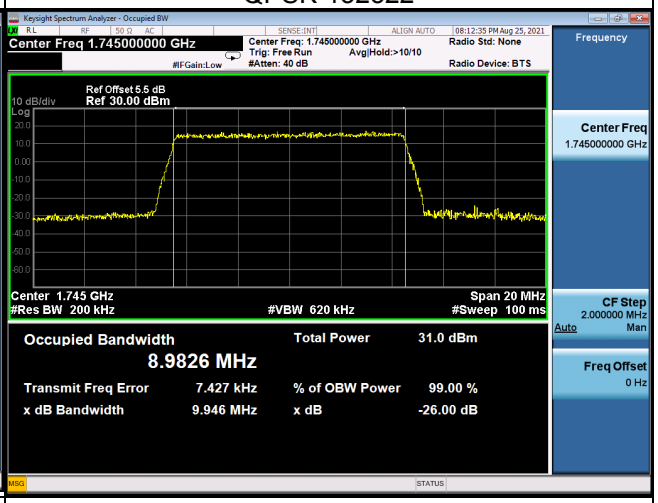
LTE Band 66_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9921	132022	1715	9.924
132322	1745	8.9826	132322	1745	9.946
132622	1775	8.9992	132622	1775	9.886
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9920	132022	1715	9.858
132322	1745	8.9813	132322	1745	9.835
132622	1775	8.9887	132622	1775	9.900
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9792	132022	1715	9.910
132322	1745	8.9831	132322	1745	9.871
132622	1775	8.9989	132622	1775	9.912

Spectrum Plot

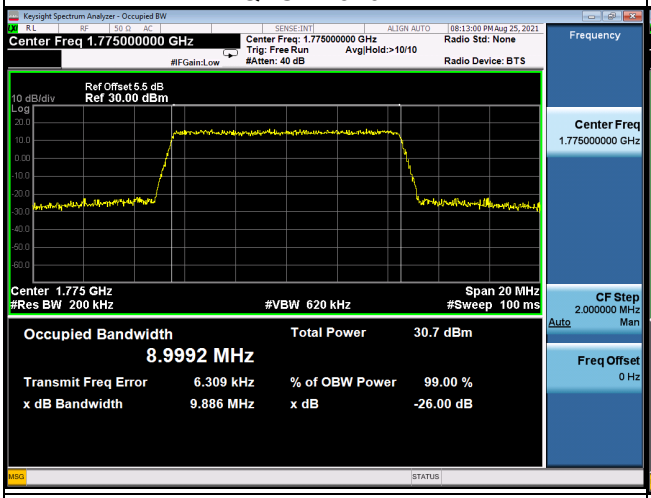
QPSK-132022



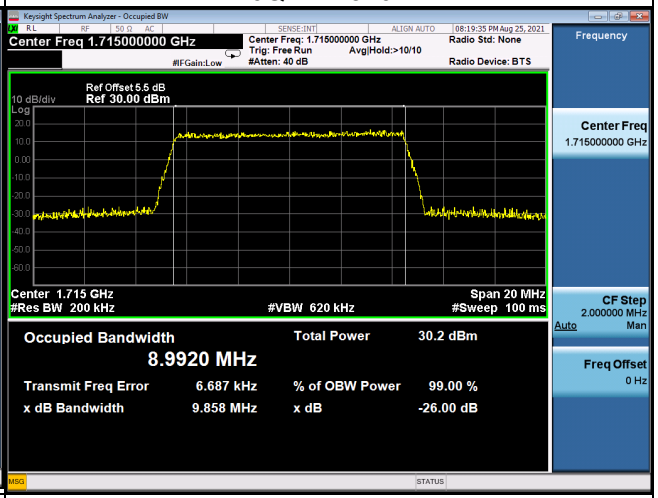
QPSK-132322



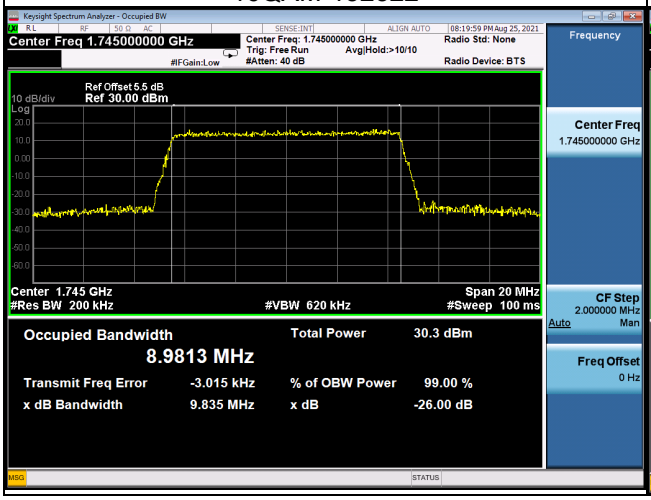
QPSK-132622



16QAM-132022



16QAM-132322



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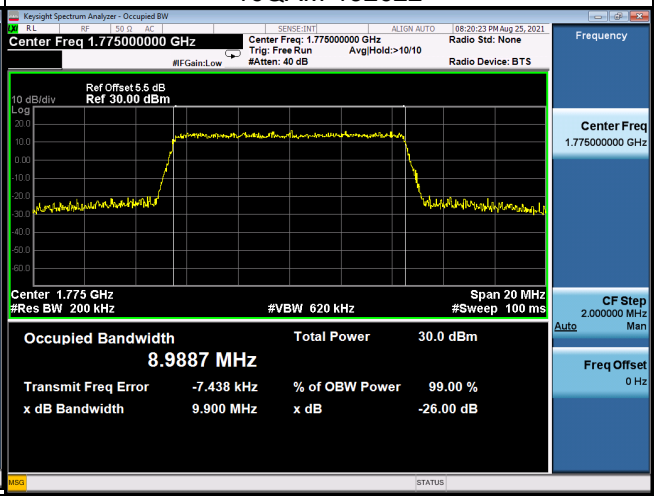
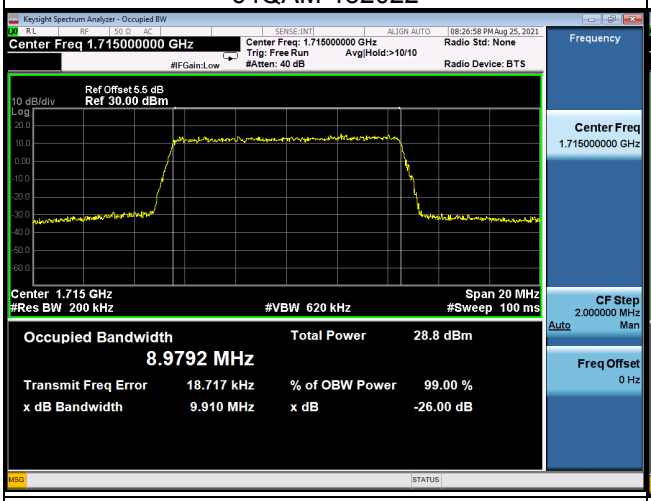
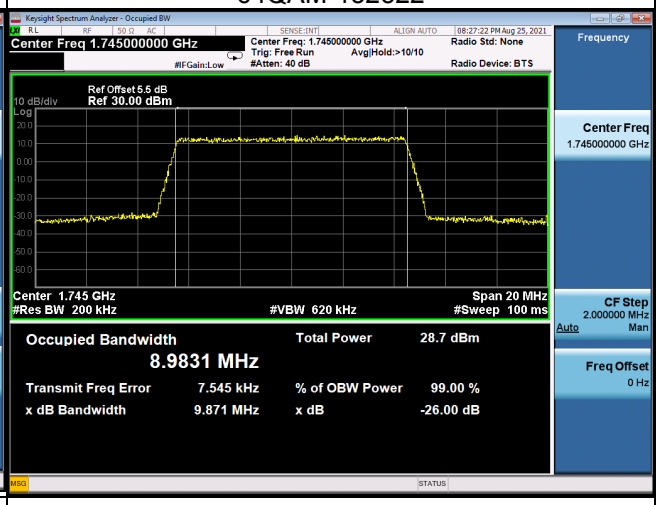


Spectrum Plot

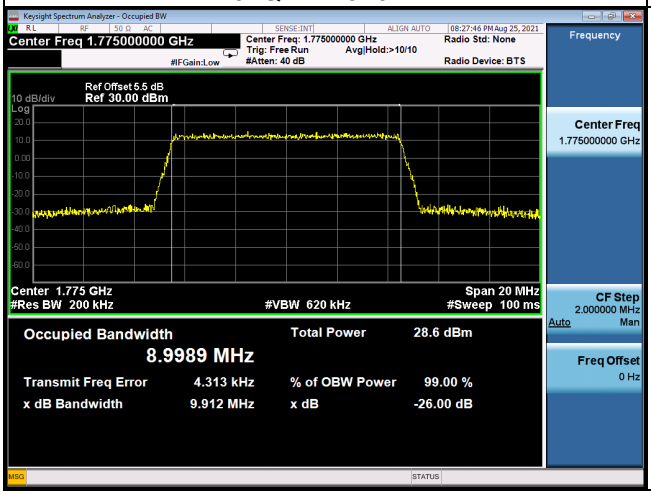
64QAM-132022



64QAM-132322



64QAM-132622



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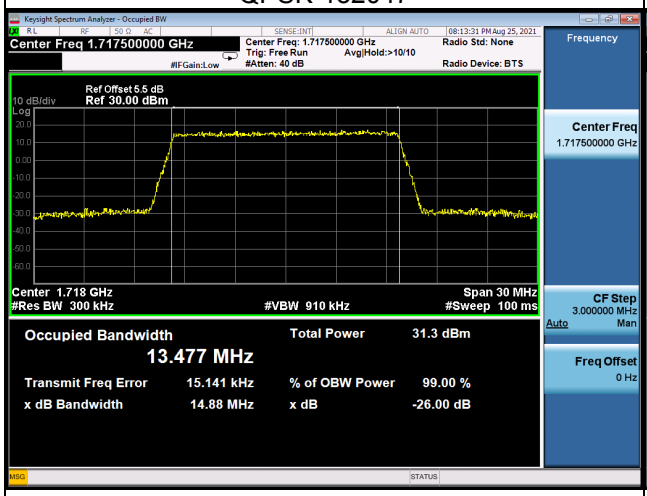
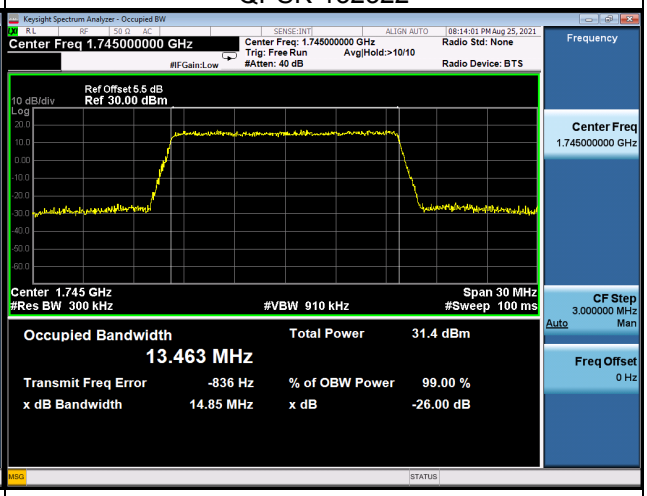
LTE Band 66_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.477	132047	1717.5	14.88
132322	1745	13.463	132322	1745	14.85
132597	1772.5	13.460	132597	1772.5	14.90
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.484	132047	1717.5	14.87
132322	1745	13.459	132322	1745	14.88
132597	1772.5	13.449	132597	1772.5	14.91
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.458	132047	1717.5	14.84
132322	1745	13.484	132322	1745	14.90
132597	1772.5	13.472	132597	1772.5	14.95

Spectrum Plot

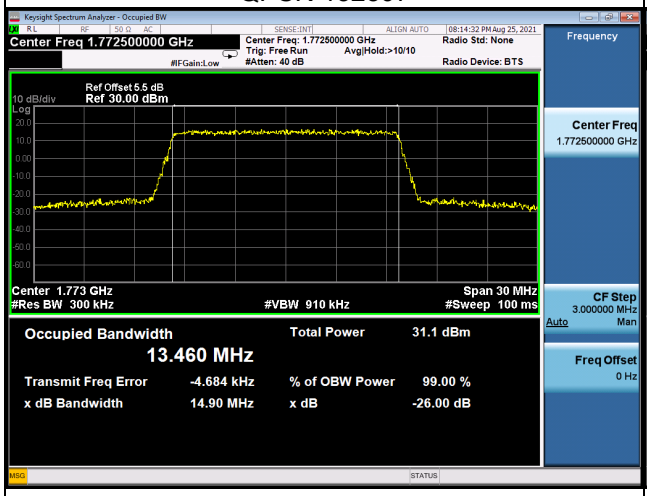
QPSK-132047



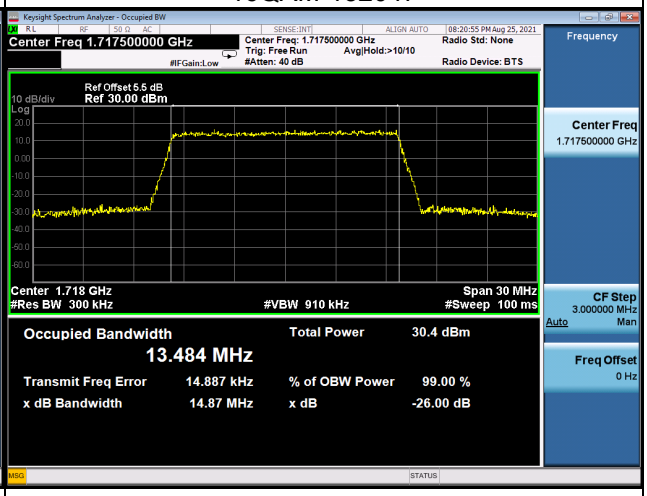
QPSK-132322



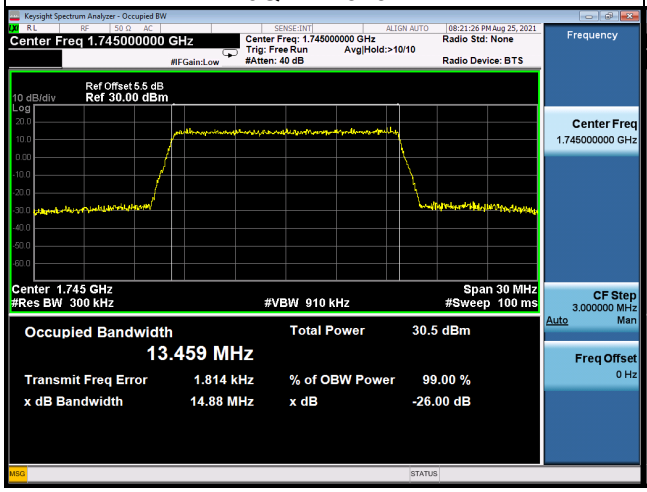
QPSK-132597



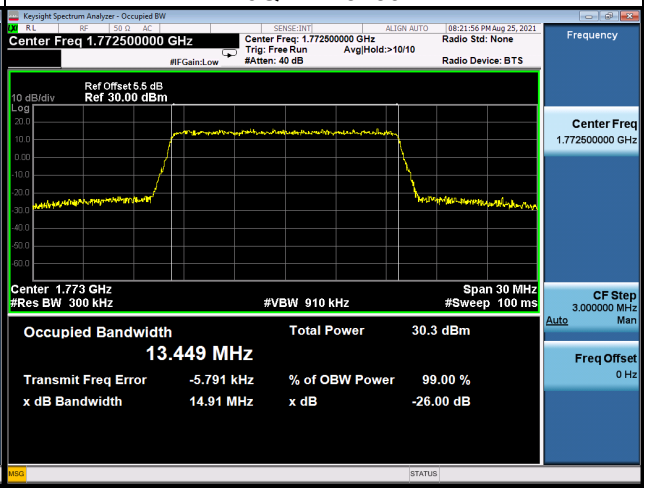
16QAM-132047

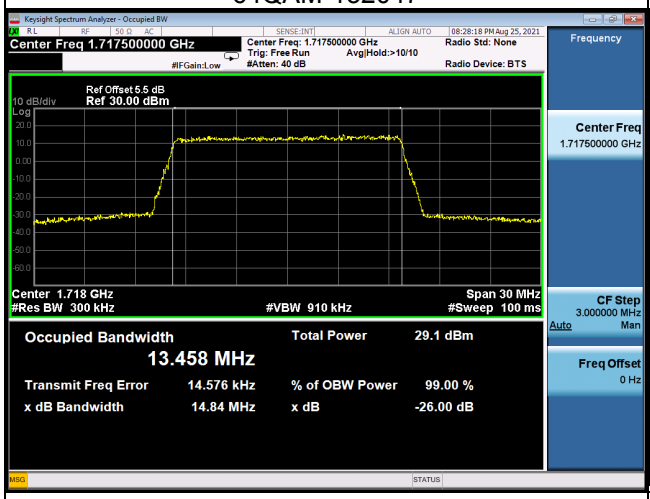
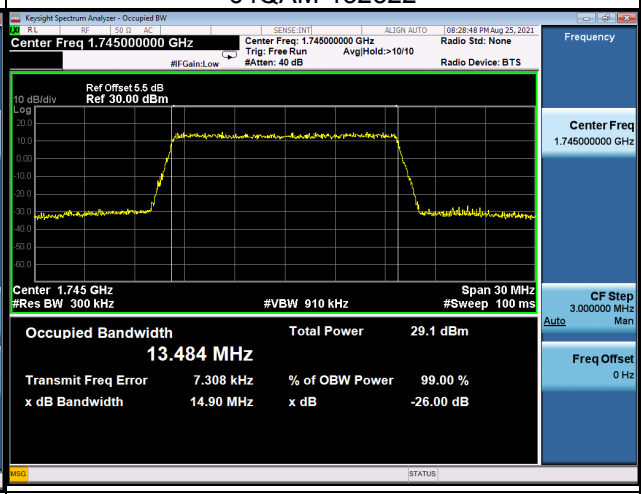
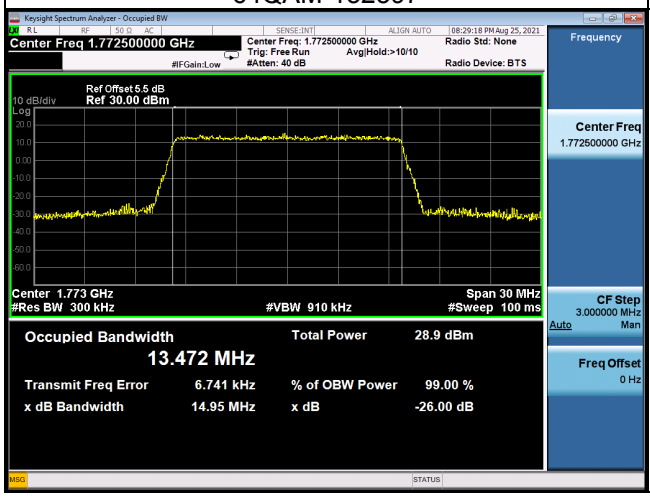


16QAM-132322



16QAM-132597

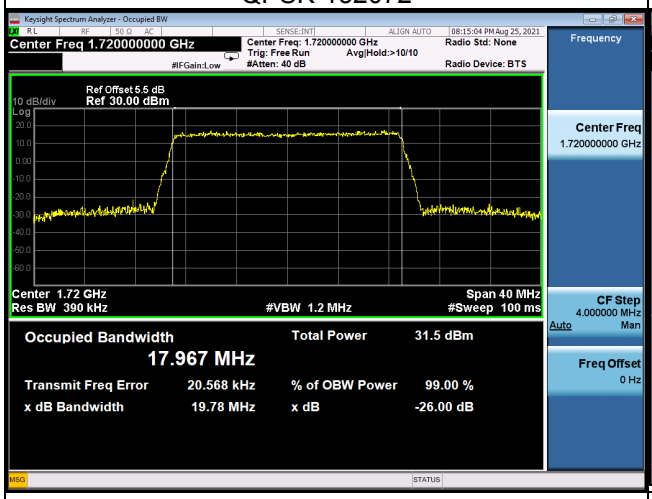


Spectrum Plot	
64QAM-132047	64QAM-132322
	
64QAM-132597	-
	-

LTE Band 66_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.967	132072	1720	19.78
132322	1745	18.005	132322	1745	19.73
132572	1770	17.912	132572	1770	19.63
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.939	132072	1720	19.69
132322	1745	17.972	132322	1745	19.68
132572	1770	17.918	132572	1770	19.79
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.945	132072	1720	19.75
132322	1745	17.987	132322	1745	19.65
132572	1770	17.935	132572	1770	19.76

Spectrum Plot

QPSK-132072



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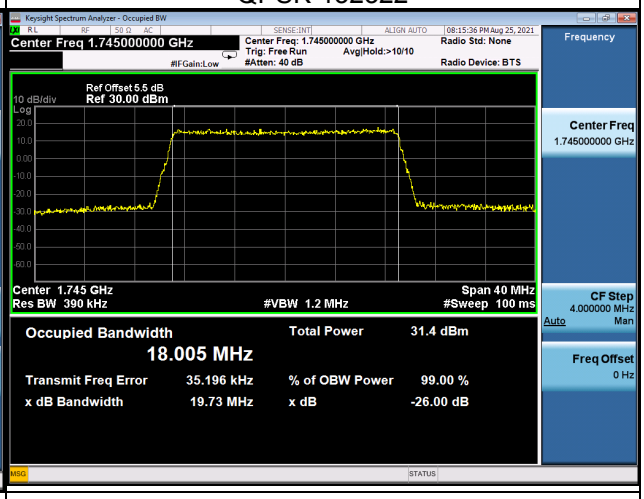

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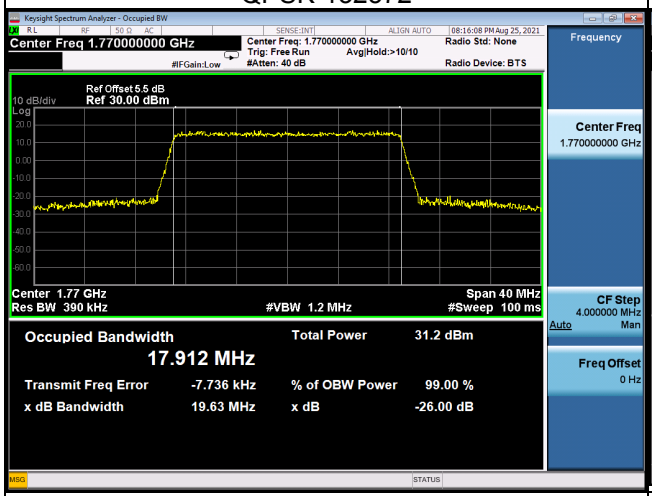
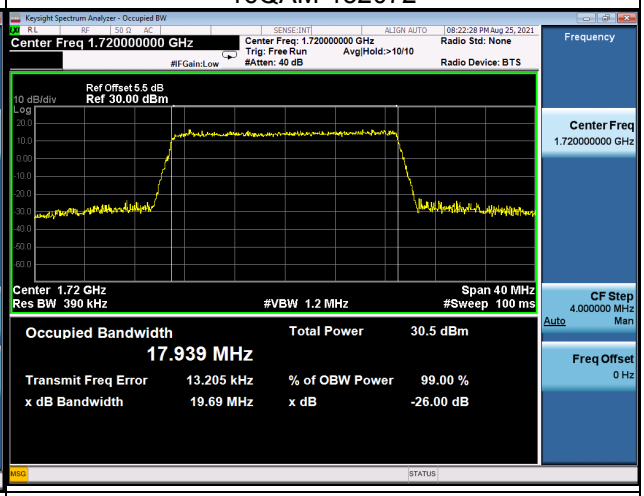


16QAM-132072



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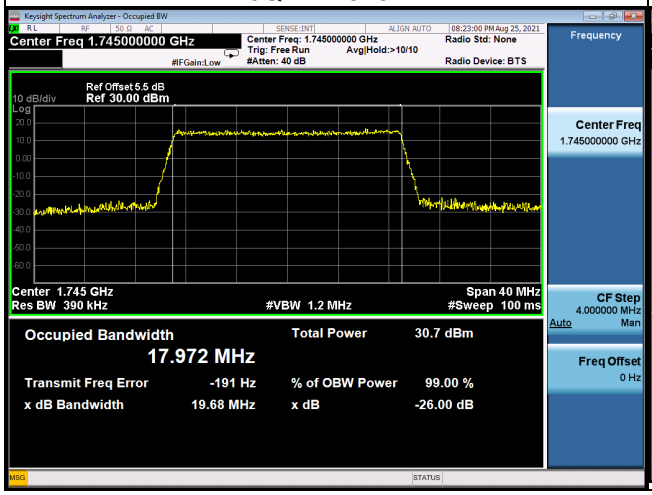
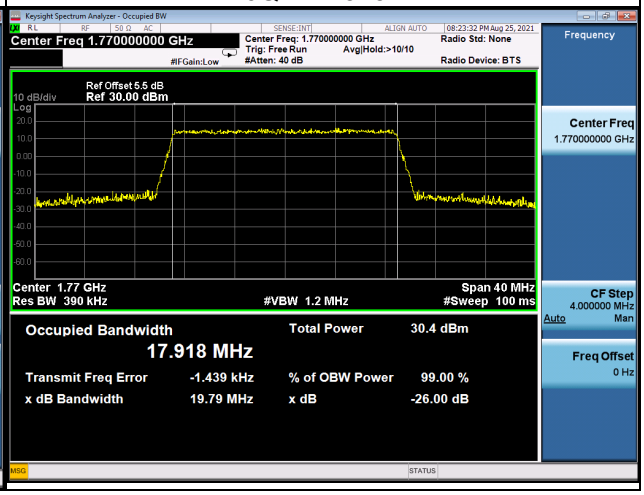
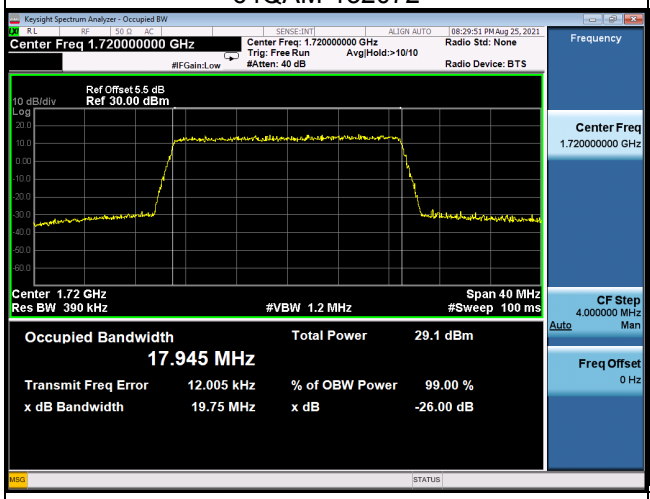
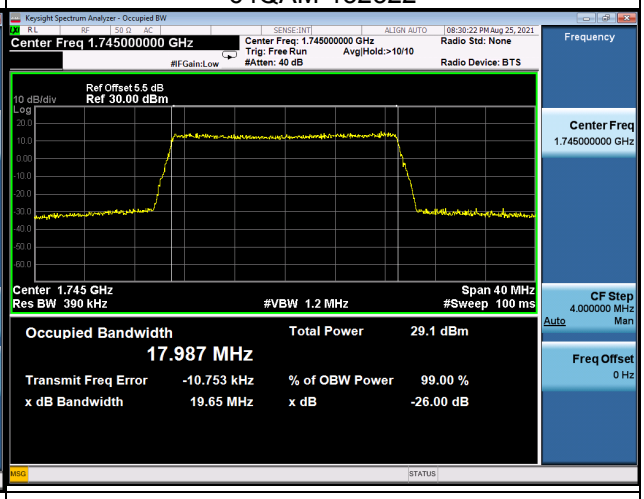
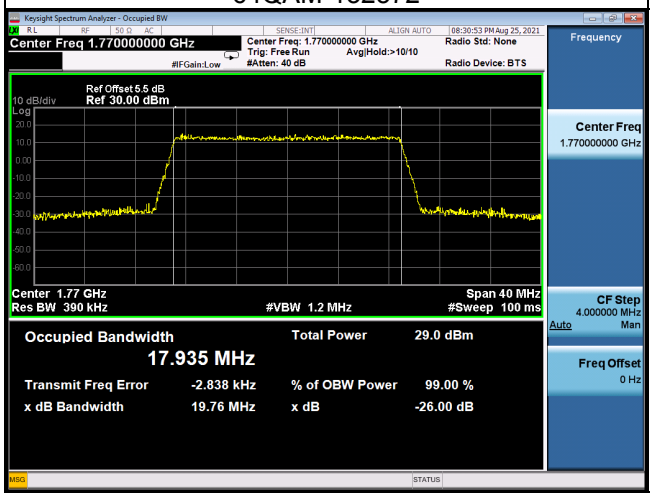
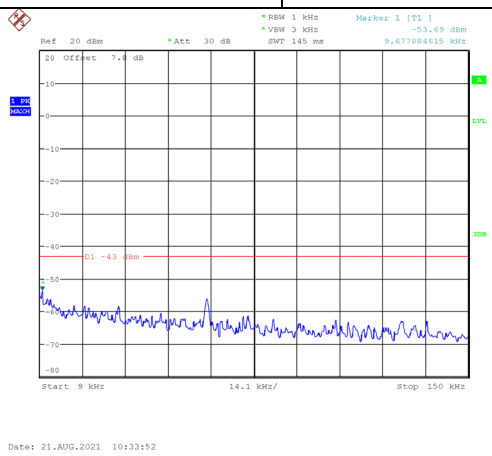
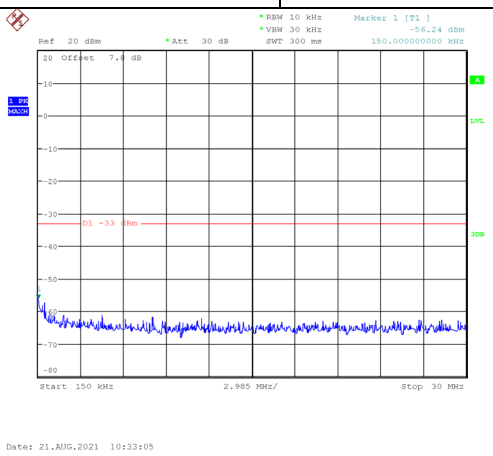
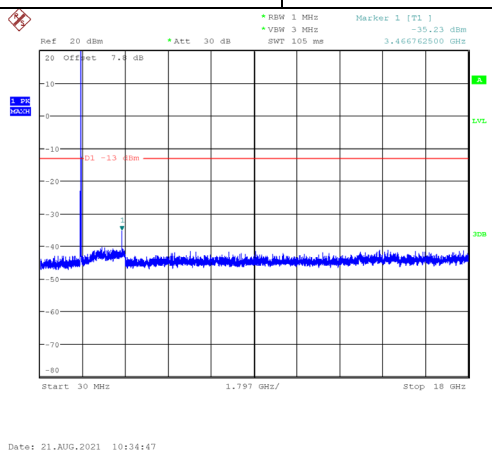


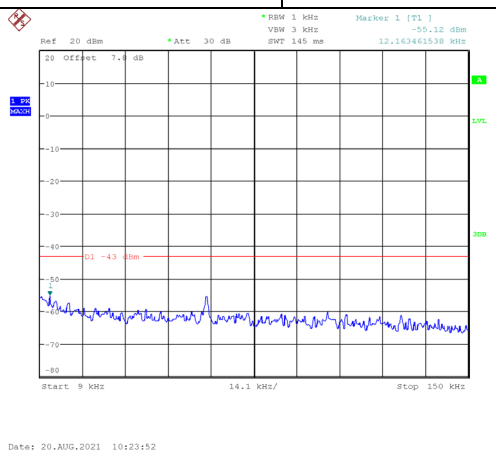
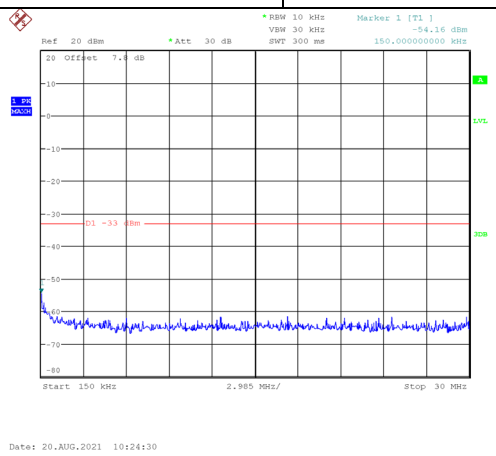
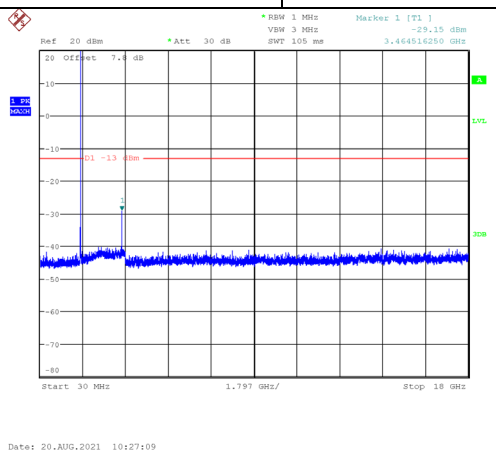
16QAM-132572

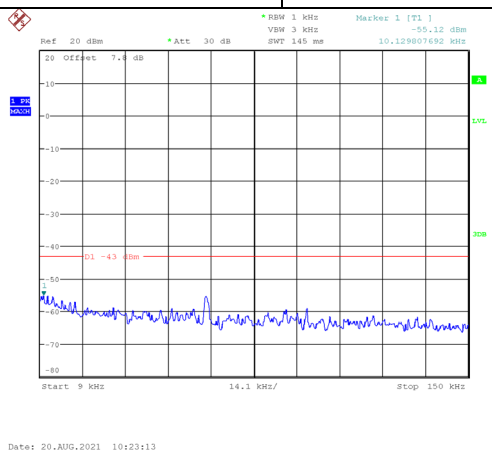
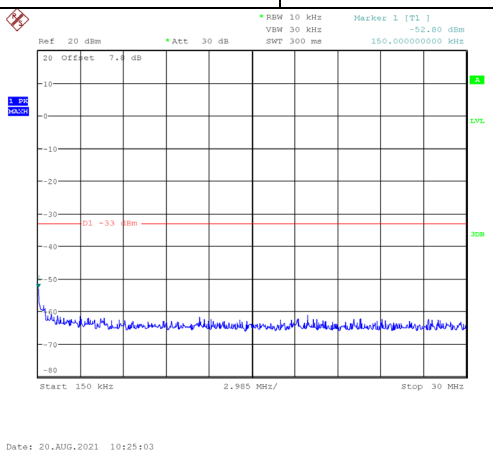
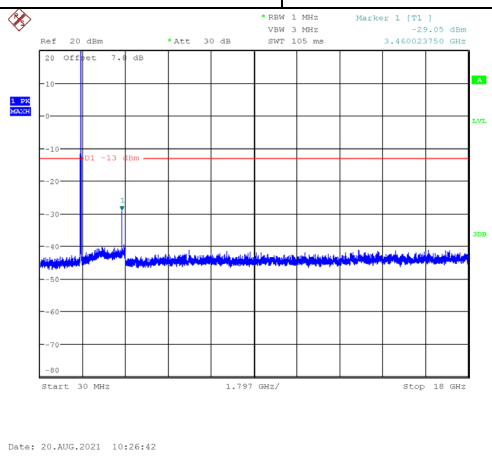


Spectrum Plot	
64QAM-132072	64QAM-132322
	
64QAM-132572	-
	-

APPENDIX C - CONDUCTED SPURIOUS EMISSIONS

WCDMA Band IV_WCDMA			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1413	1732.6	1413	1732.6
			
Channel	Frequency(MHz)	-	-
1413	1732.6	-	-
		-	

LTE Band 4_1.4M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

LTE Band 4_5M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	