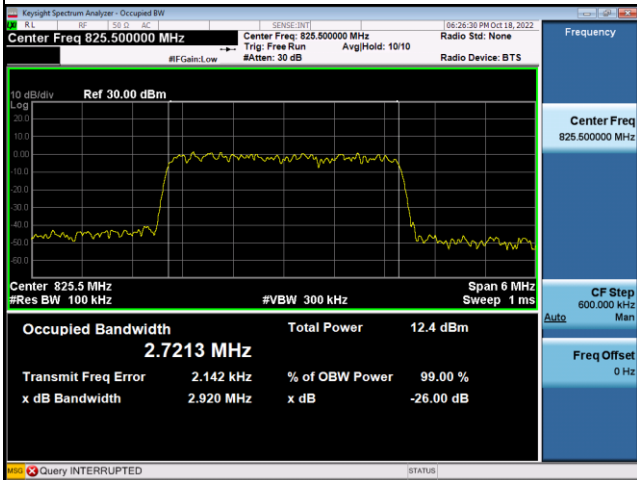




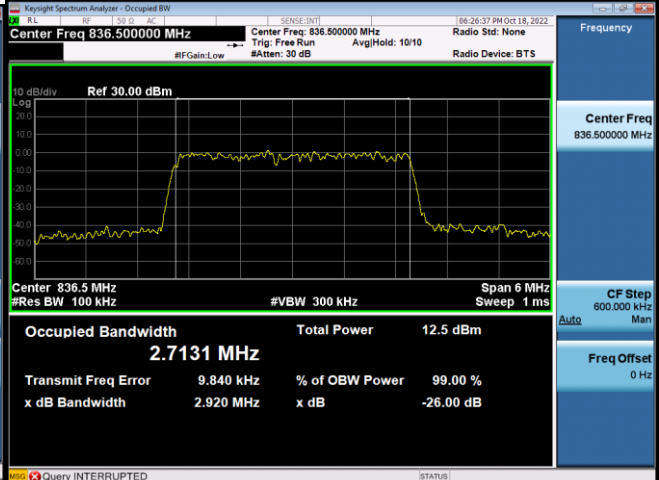
LTE Band 5_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20415	825.5	2.7213	20415	825.5	2.920
20525	836.5	2.7131	20525	836.5	2.920
20635	847.5	2.7147	20635	847.5	2.927
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20415	825.5	2.7211	20415	825.5	2.935
20525	836.5	2.7129	20525	836.5	2.925
20635	847.5	2.7233	20635	847.5	2.943
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20415	825.5	2.7156	20415	825.5	2.923
20525	836.5	2.7190	20525	836.5	2.966
20635	847.5	2.6991	20635	847.5	2.929

Spectrum Plot

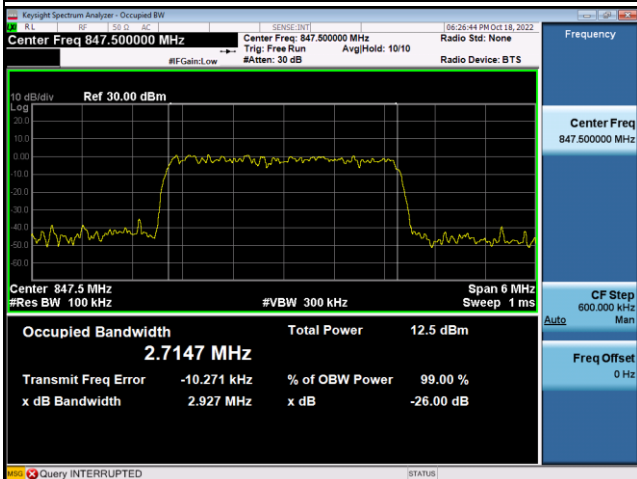
QPSK-20415



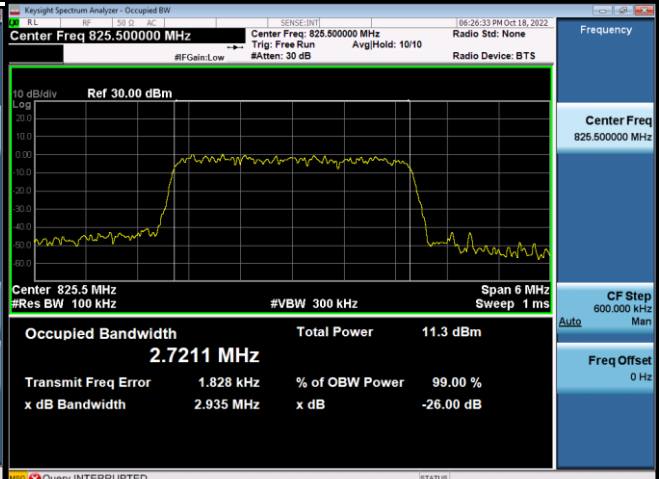
QPSK-20525



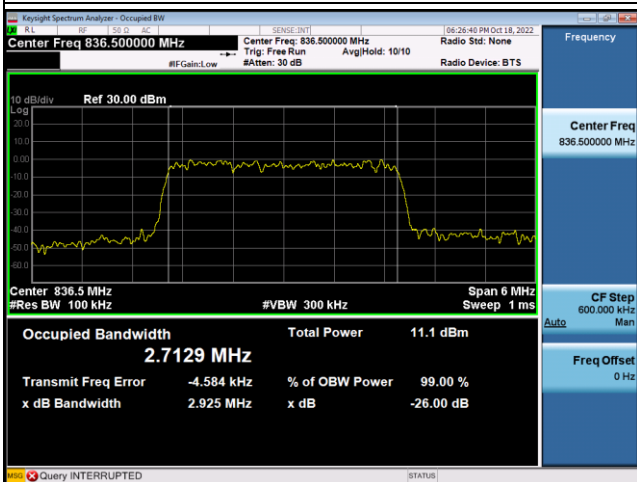
QPSK-20635



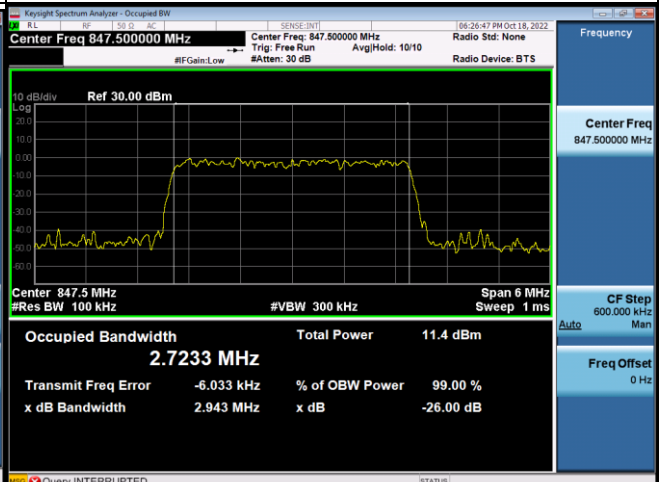
16QAM-20415



16QAM-20525



16QAM-20635

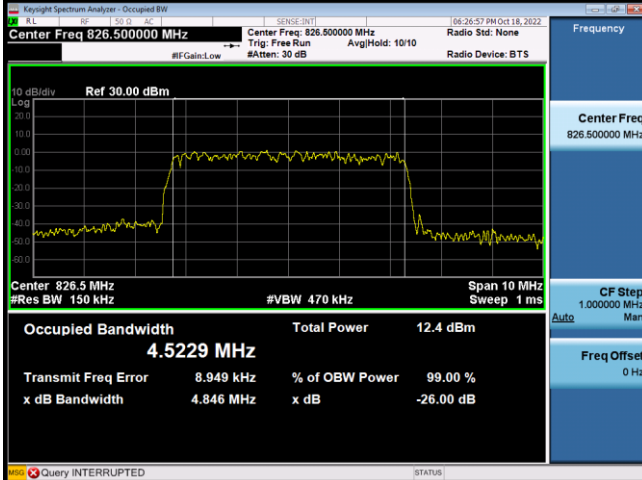




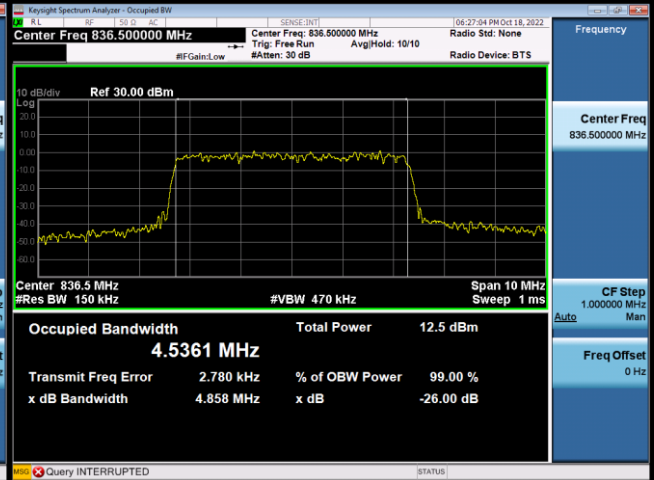
LTE Band 5_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20425	826.5	4.5229	20425	826.5	4.846
20525	836.5	4.5361	20525	836.5	4.858
20625	846.5	4.5134	20625	846.5	4.838
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20425	826.5	4.5118	20425	826.5	4.831
20525	836.5	4.5221	20525	836.5	4.847
20625	846.5	4.4776	20625	846.5	4.834
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20425	826.5	4.5024	20425	826.5	4.817
20525	836.5	4.5227	20525	836.5	4.892
20625	846.5	4.5347	20625	846.5	4.858

Spectrum Plot

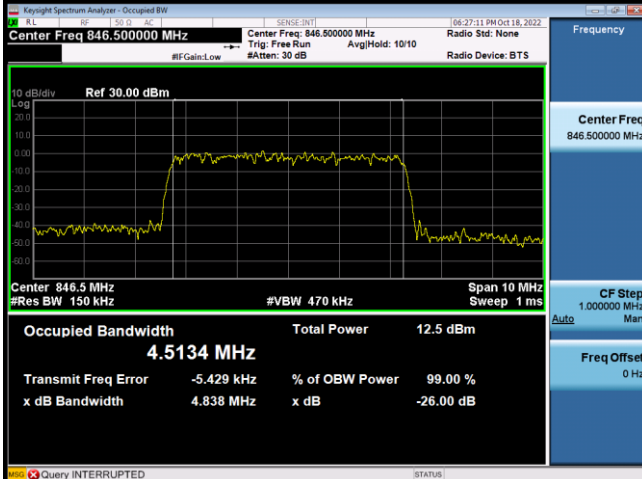
QPSK-20425



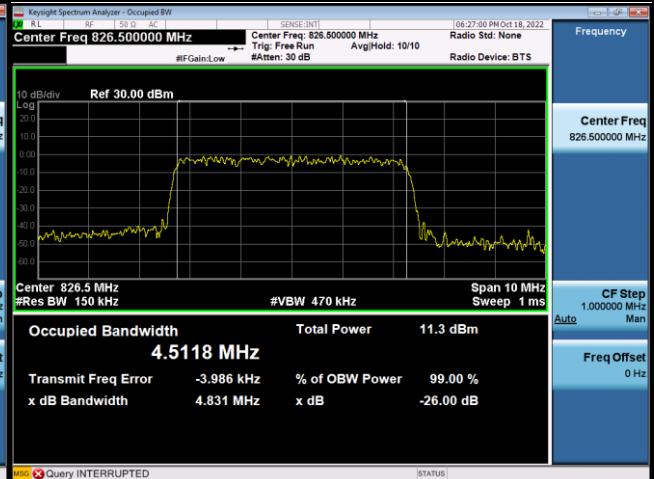
QPSK-20525



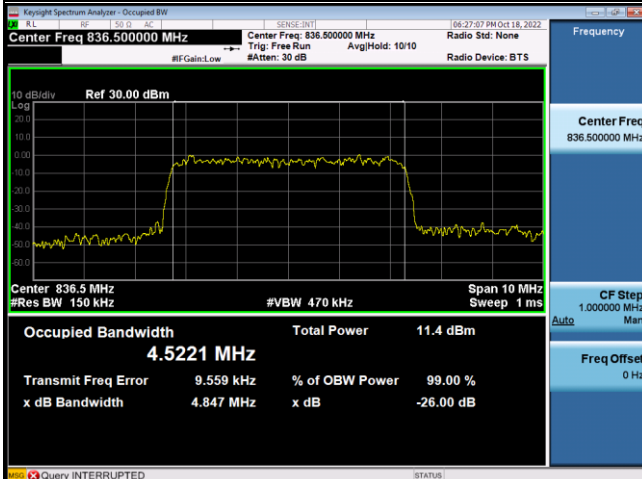
QPSK-20625



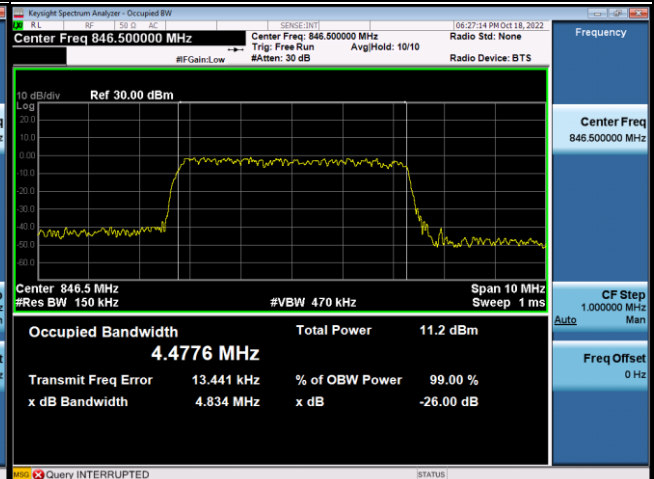
16QAM-20425



16QAM-20525



16QAM-20625

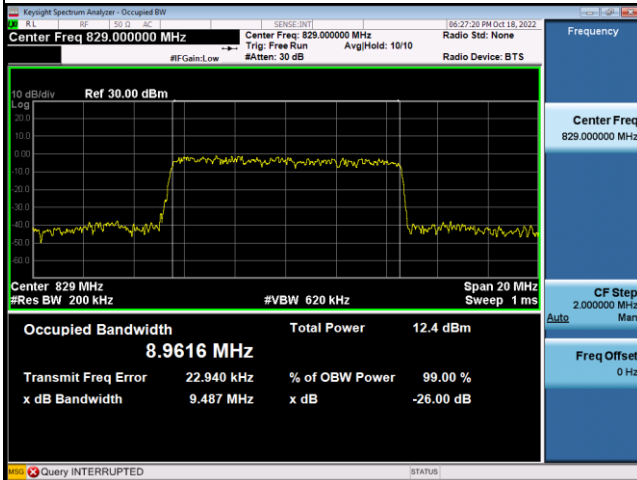




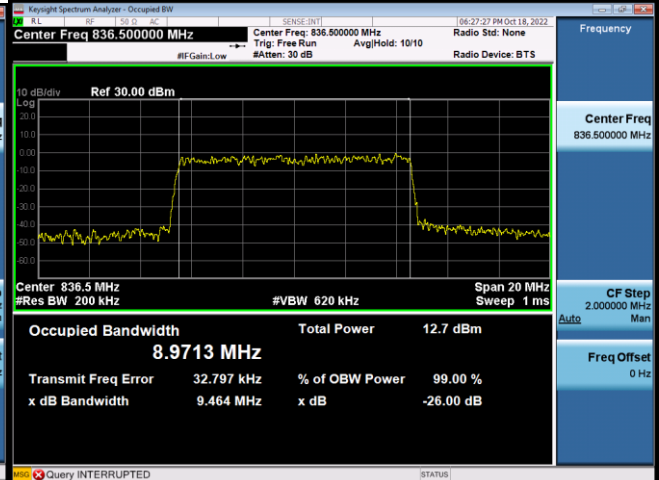
LTE Band 5_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20450	829.0	8.9616	20450	829.0	9.487
20525	836.5	8.9713	20525	836.5	9.464
20600	844.0	8.9604	20600	844.0	9.436
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20450	829.0	8.9217	20450	829.0	9.440
20525	836.5	8.9905	20525	836.5	9.482
20600	844.0	8.9504	20600	844.0	9.457
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20450	829.0	8.9572	20450	829.0	9.442
20525	836.5	8.9938	20525	836.5	9.455
20600	844.0	8.9592	20600	844.0	9.426

Spectrum Plot

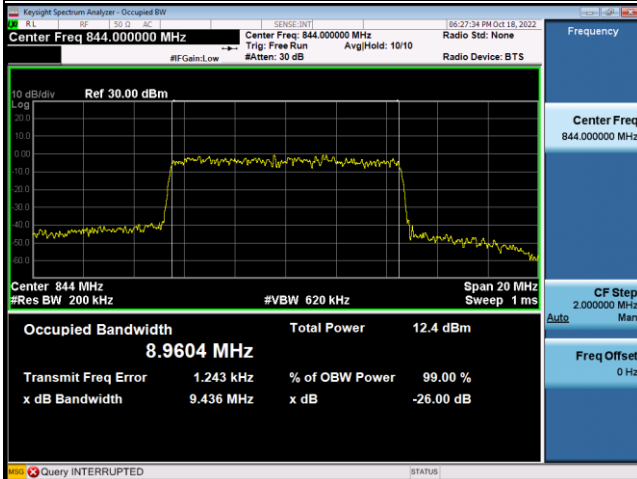
QPSK-20450



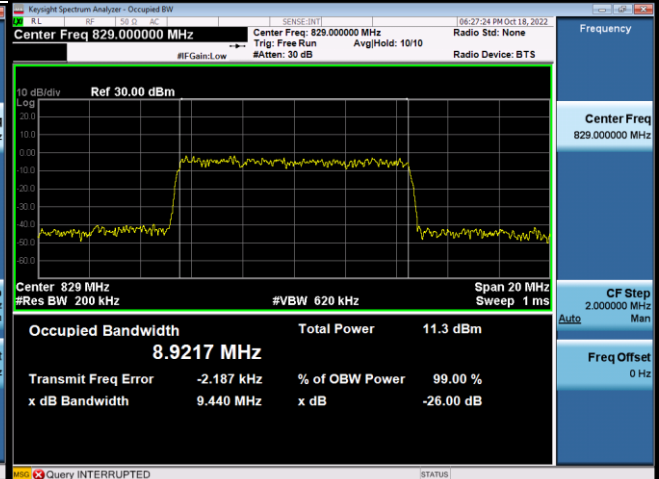
QPSK-20525



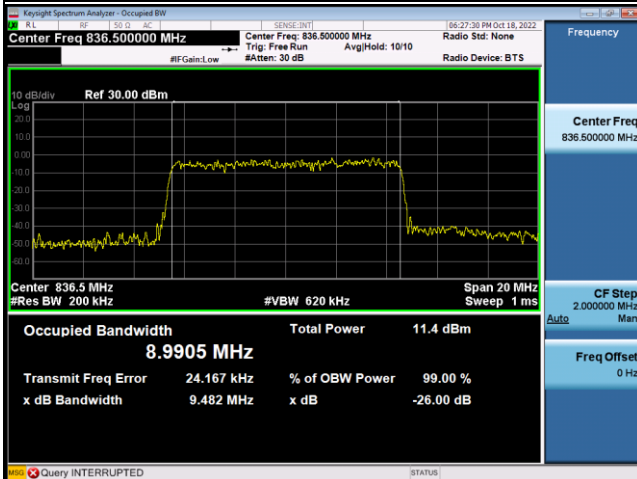
QPSK-20600



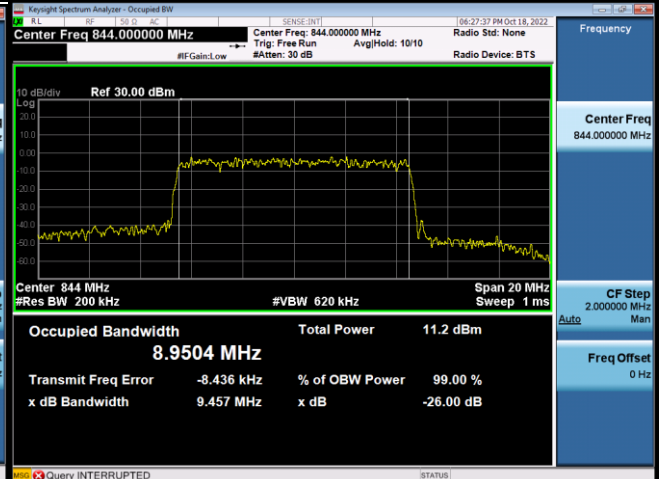
16QAM-20450



16QAM-20525



16QAM-20600

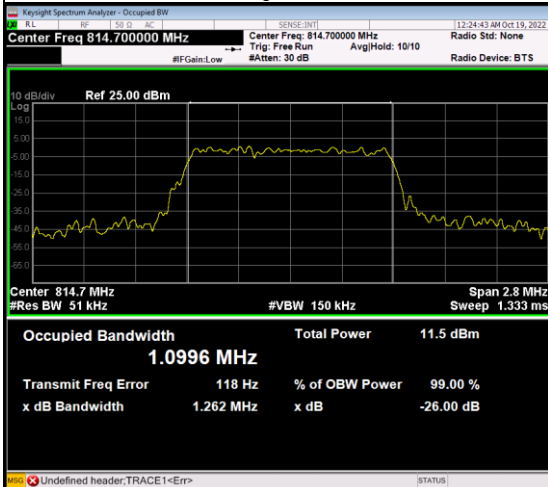




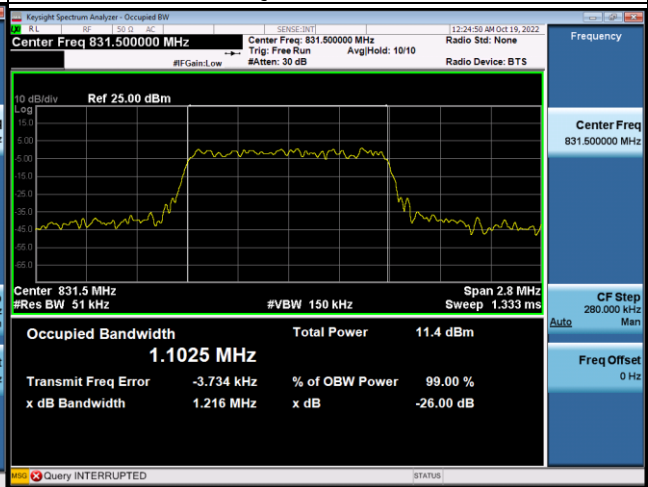
LTE Band 26_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26797	824.7	1.0996	26797	824.7	1.262
26915	836.5	1.1025	26915	836.5	1.216
27033	848.3	1.1032	27033	848.3	1.212
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26797	824.7	1.0957	26797	824.7	1.258
26915	836.5	1.0929	26915	836.5	1.210
27033	848.3	1.1024	27033	848.3	1.224
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26797	824.7	1.1089	26797	824.7	1.214
26915	836.5	1.0994	26915	836.5	1.246
27033	848.3	1.1053	27033	848.3	1.224

Spectrum Plot

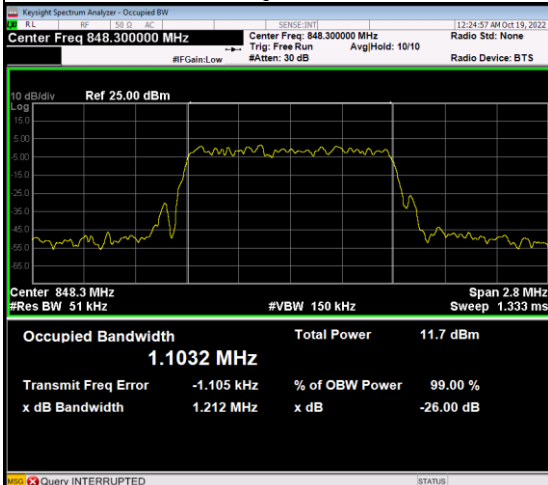
QPSK-26797



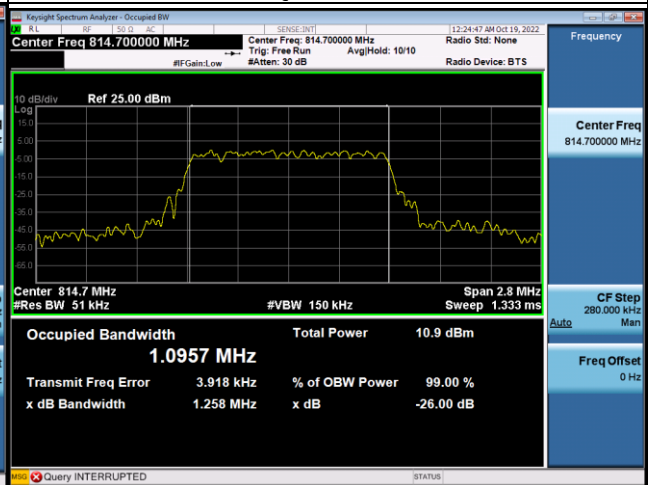
QPSK-26915



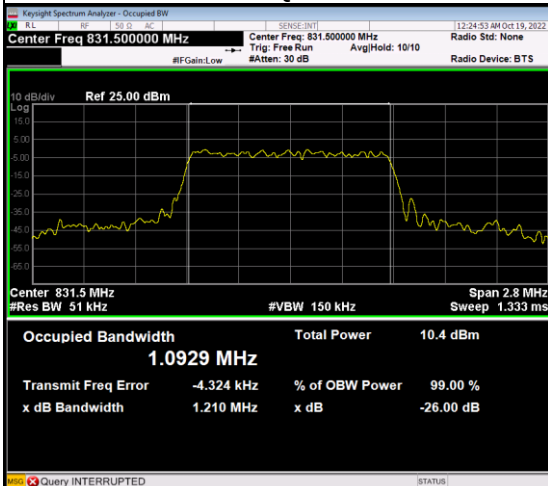
QPSK-27033



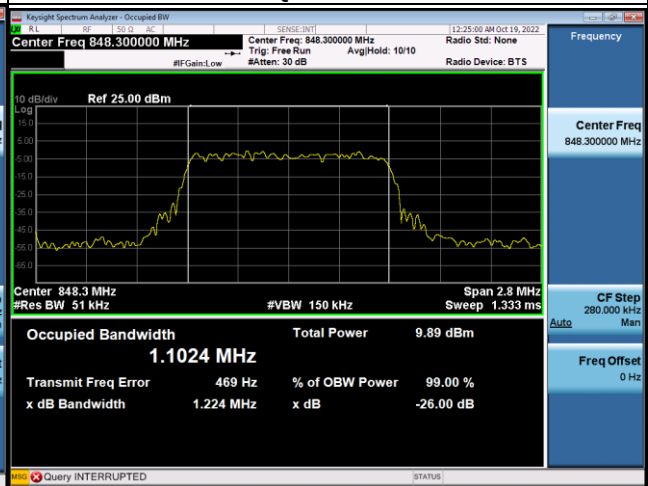
16QAM-26797



16QAM-26915

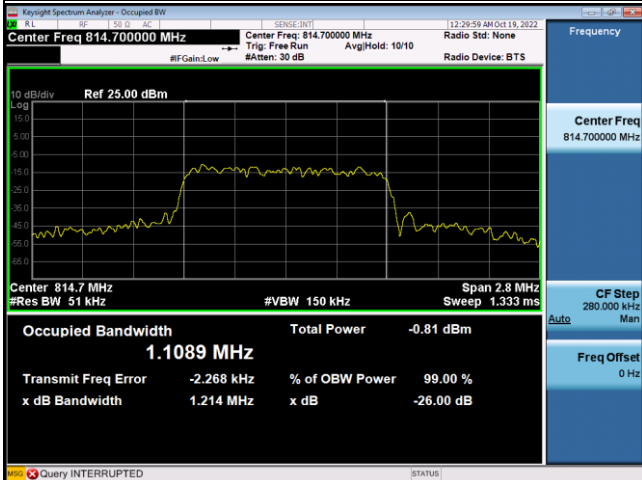


16QAM-27033

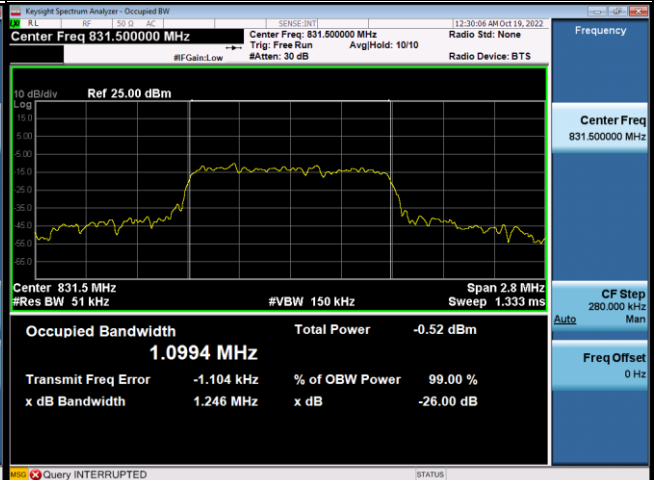


Spectrum Plot

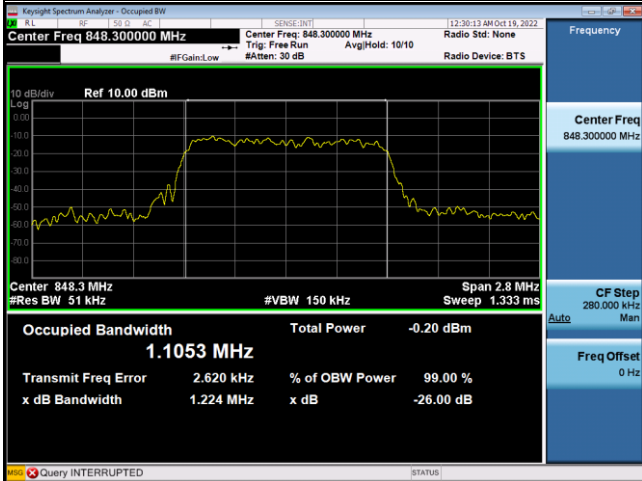
64QAM-26797



64QAM-26915



64QAM-27033

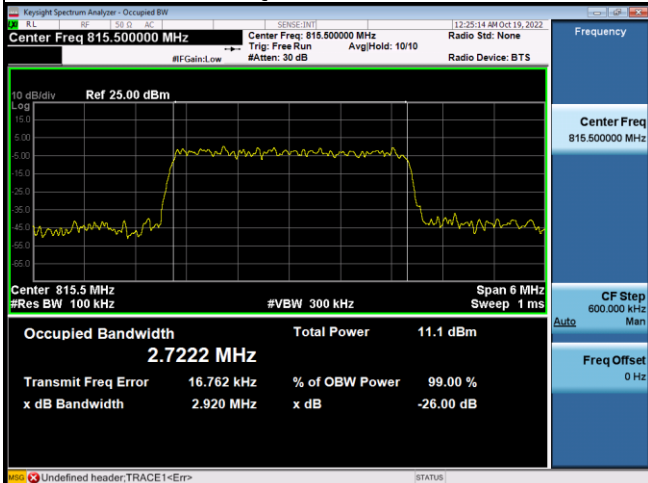


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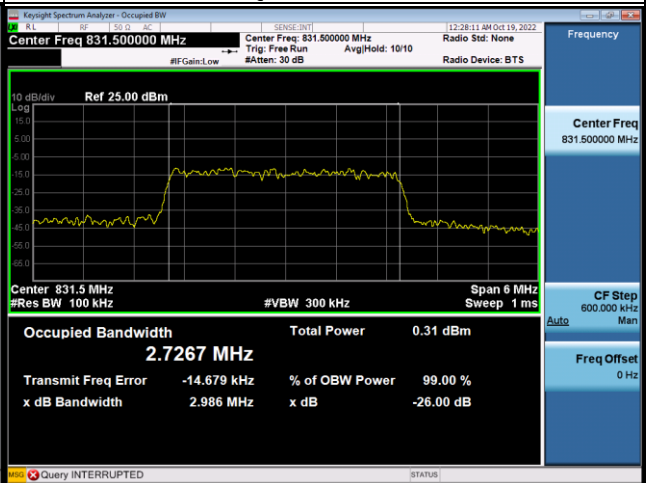
LTE Band 26_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26805	825.5	2.7222	26805	825.5	2.920
26915	836.5	2.7267	26915	836.5	2.986
27025	847.5	2.7353	27025	847.5	2.965
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26805	825.5	2.7371	26805	825.5	2.937
26915	836.5	2.7186	26915	836.5	2.931
27025	847.5	2.7373	27025	847.5	2.928
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26805	825.5	2.7399	26805	825.5	2.942
26915	836.5	2.7280	26915	836.5	2.929
27025	847.5	2.7270	27025	847.5	2.953

Spectrum Plot

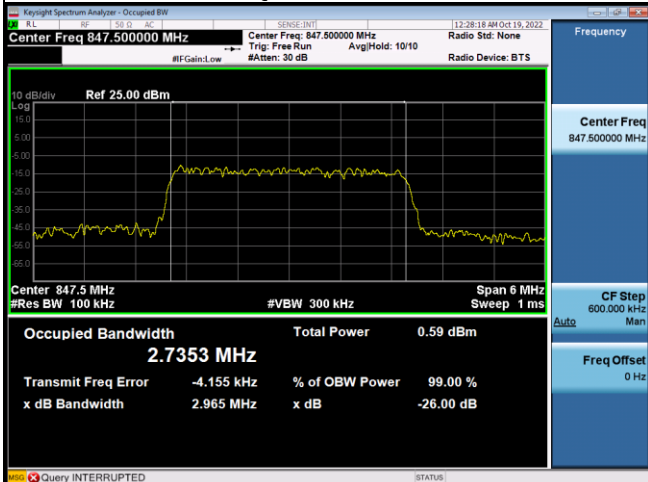
QPSK-26805



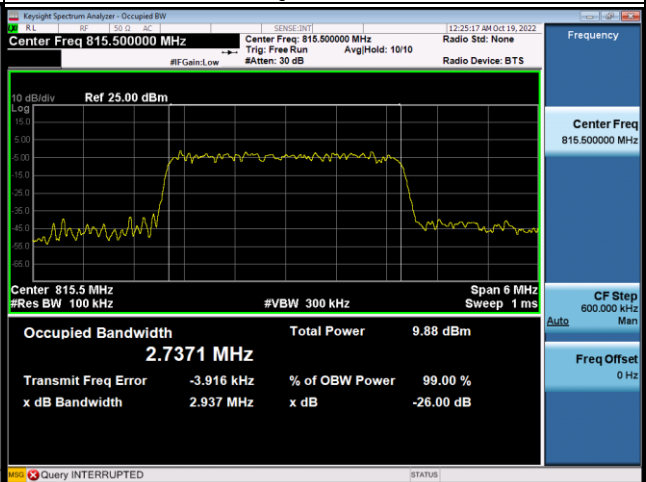
QPSK-26915



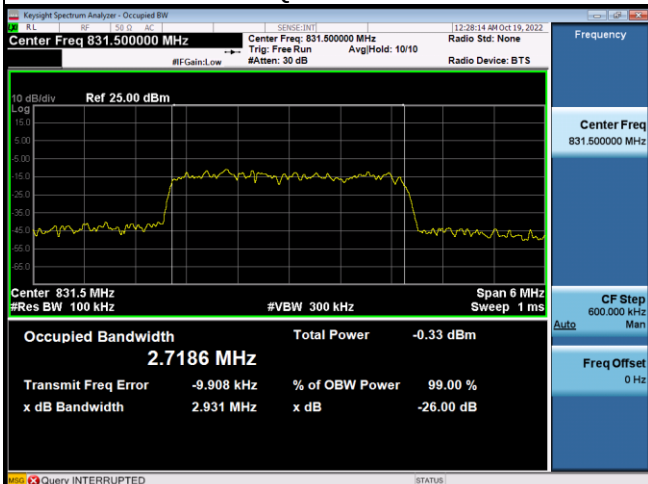
QPSK-27025



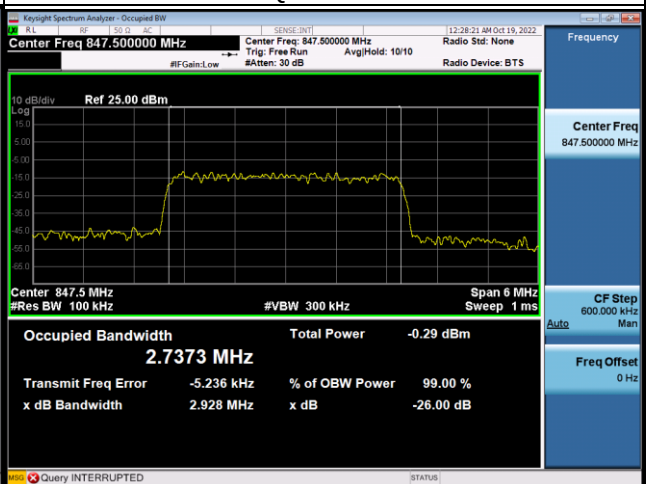
16QAM-26805



16QAM-26915

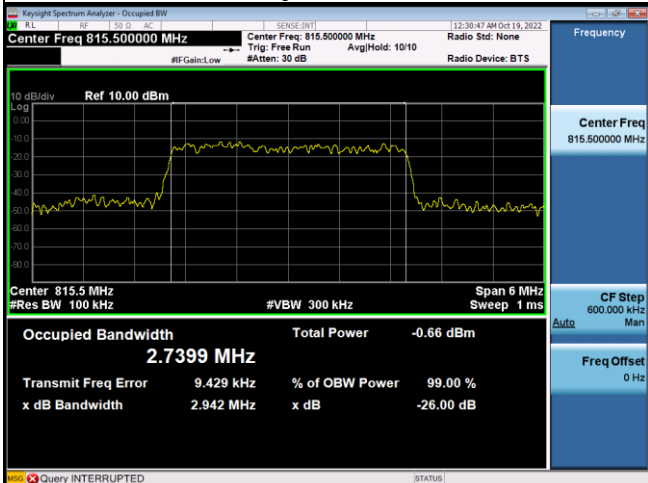


16QAM-27025

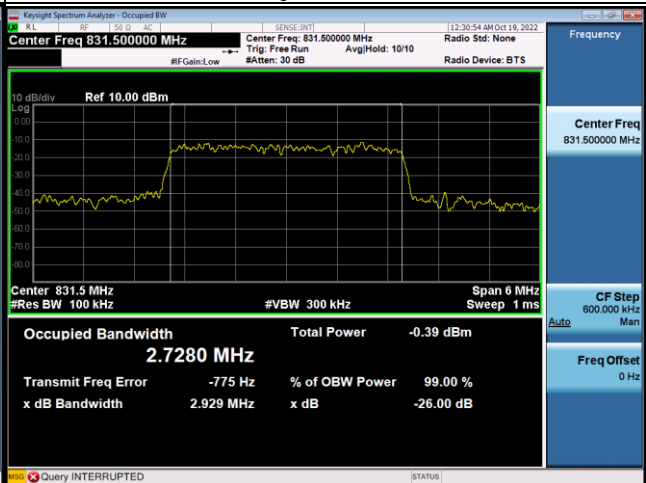


Spectrum Plot

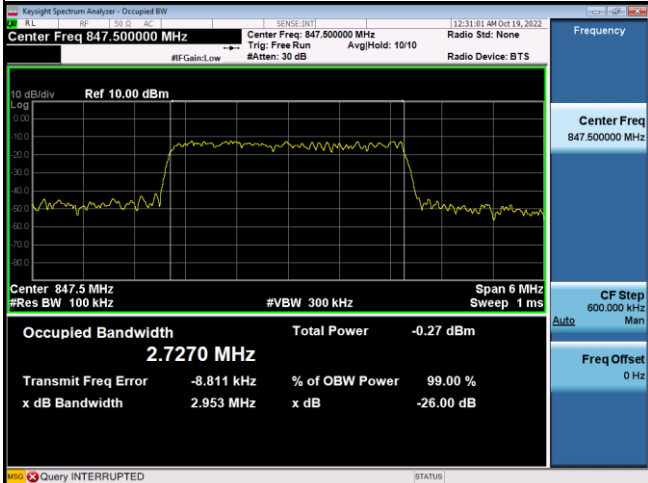
64QAM-26805



64QAM-26915



64QAM-27025



LTE Band 26_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26815	826.5	4.5342	26815	826.5	4.891
26915	836.5	4.5282	26915	836.5	4.979
27015	846.5	4.5444	27015	846.5	4.863
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26815	826.5	4.5203	26815	826.5	4.878
26915	836.5	4.5269	26915	836.5	4.866
27015	846.5	4.5132	27015	846.5	4.848
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26815	826.5	4.5138	26815	826.5	4.812
26915	836.5	4.5132	26915	836.5	4.854
27015	846.5	4.5169	27015	846.5	4.900