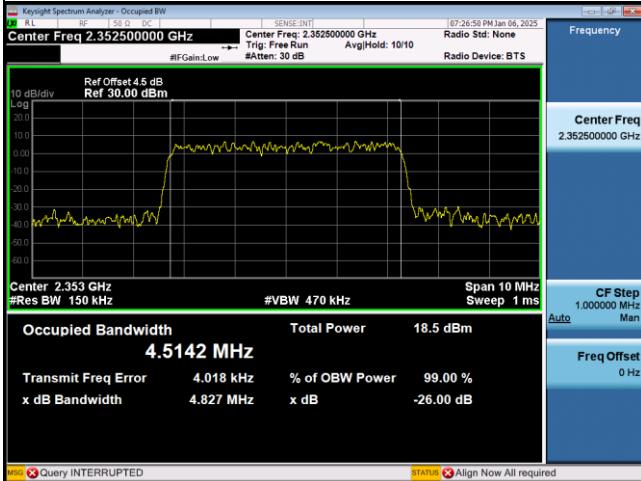
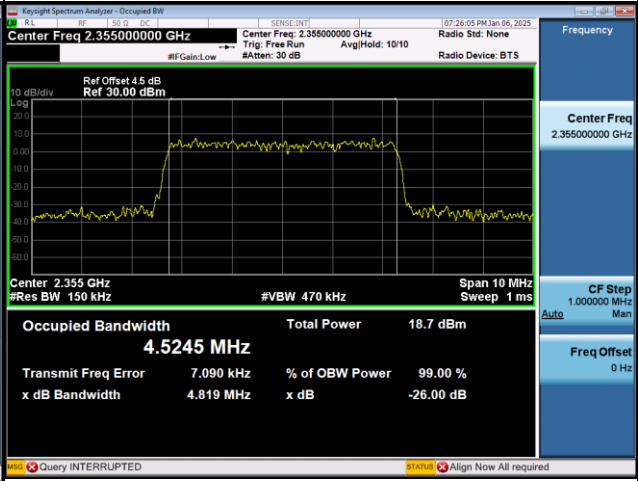


Spectrum Plot

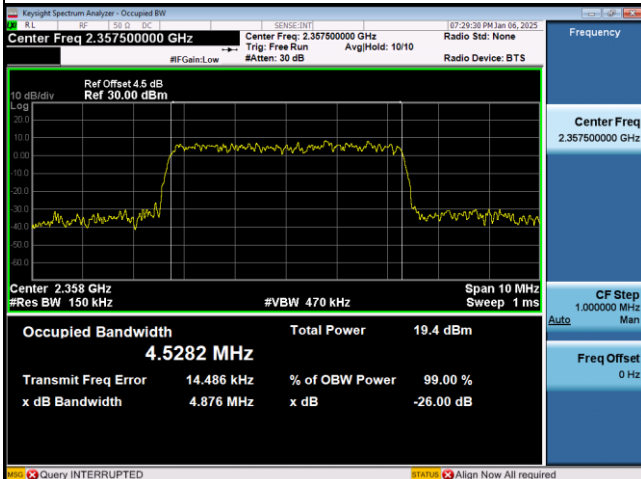
QPSK-39175



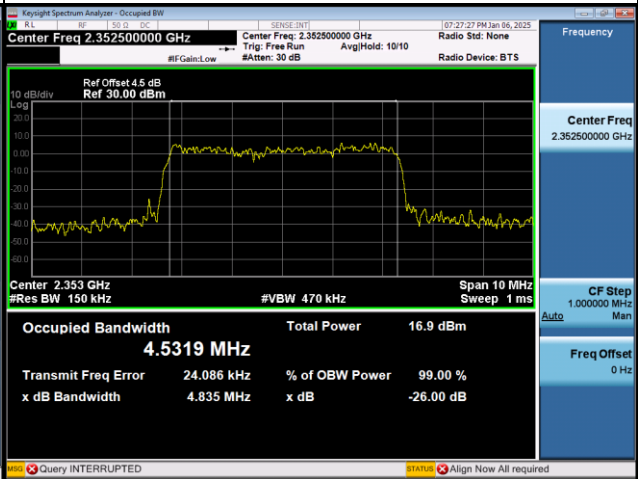
QPSK-39200



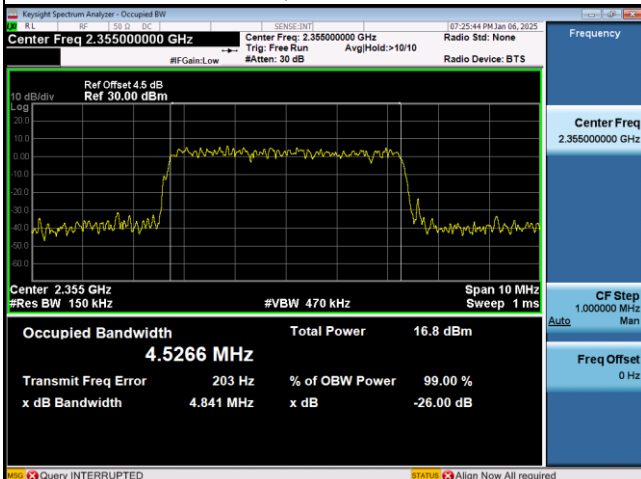
QPSK-39225



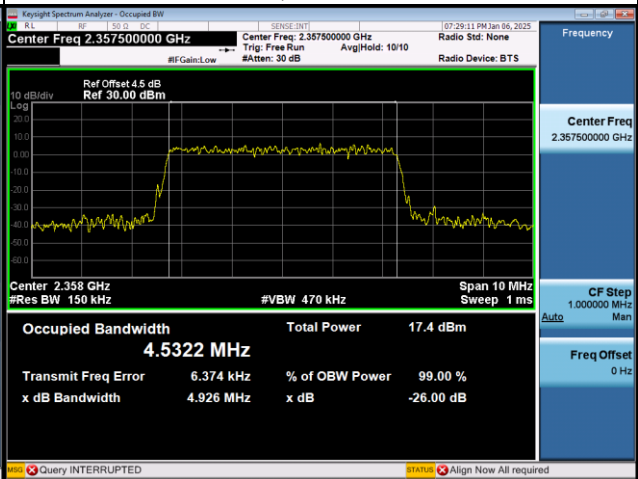
16QAM-39175

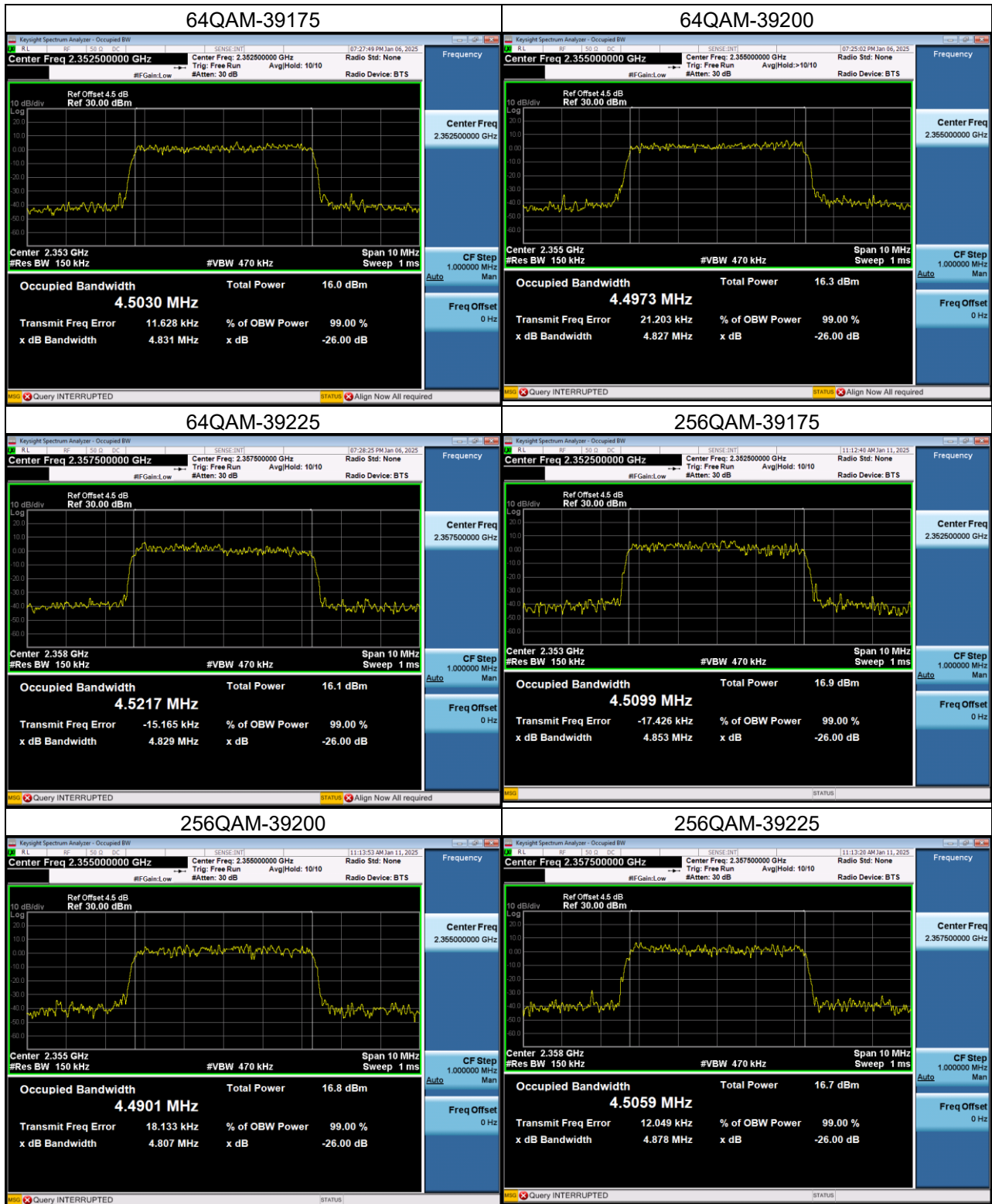


16QAM-39200



16QAM-39225

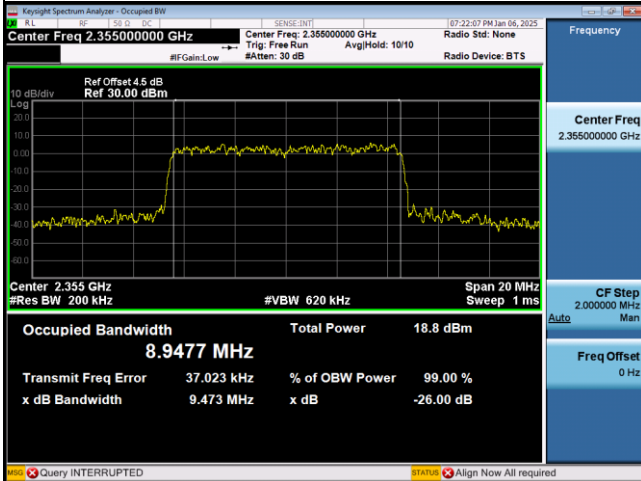




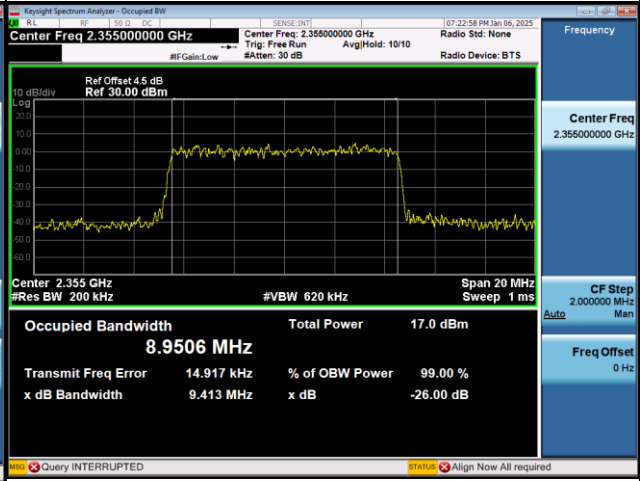
LTE Band 40 (2350-2360)_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39200	2355	8.9477	39200	2355	9.473
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39200	2355	8.9506	39200	2355	9.413
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39200	2355	8.9262	39200	2355	9.394
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39200	2355	8.8813	39200	2355	9.469

Spectrum Plot

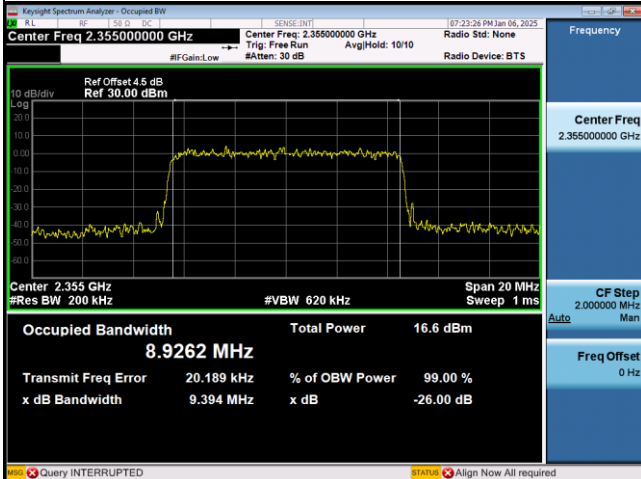
QPSK-39200



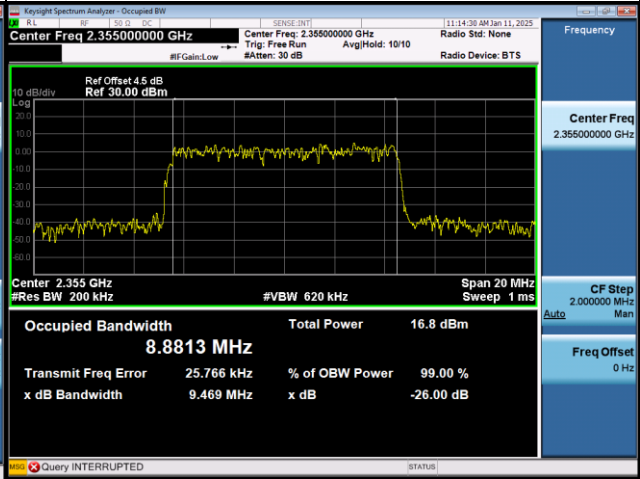
16QAM-39200



64QAM-39200



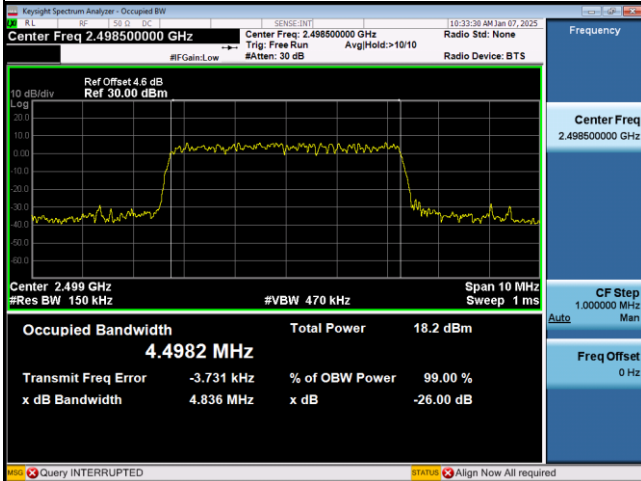
256QAM-39200



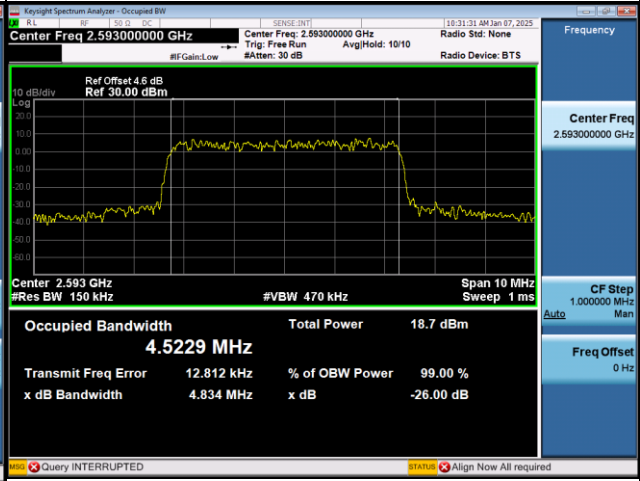
LTE Band 41_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39675	2498.5	4.4982	39675	2498.5	4.836
40620	2593	4.5229	40620	2593	4.834
41565	2687.5	4.5509	41565	2687.5	4.839
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39675	2498.5	4.5053	39675	2498.5	4.841
40620	2593	4.4980	40620	2593	4.833
41565	2687.5	4.4843	41565	2687.5	4.824
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39675	2498.5	4.5398	39675	2498.5	4.837
40620	2593	4.5279	40620	2593	4.930
41565	2687.5	4.5249	41565	2687.5	4.846
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39675	2498.5	4.5240	39675	2498.5	4.816
40620	2593	4.5488	40620	2593	4.890
41565	2687.5	4.5443	41565	2687.5	4.852

Spectrum Plot

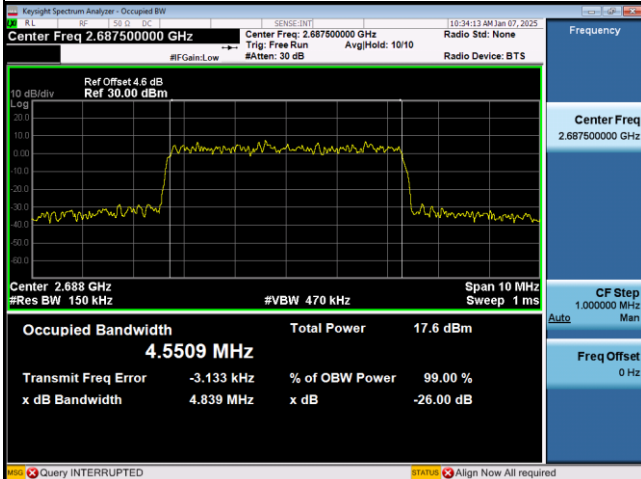
QPSK-39675



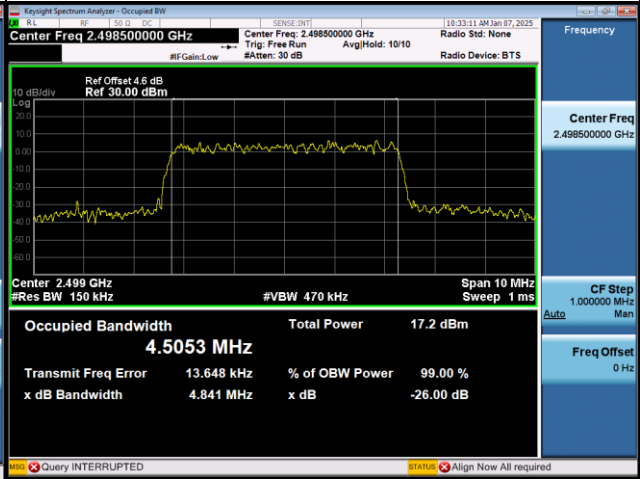
QPSK-40620



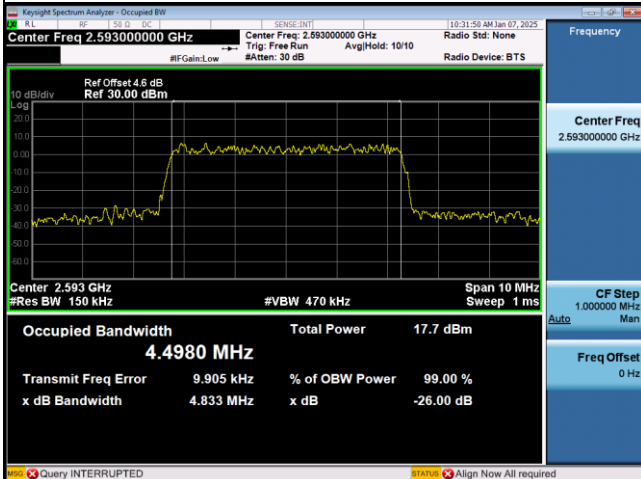
QPSK-41565



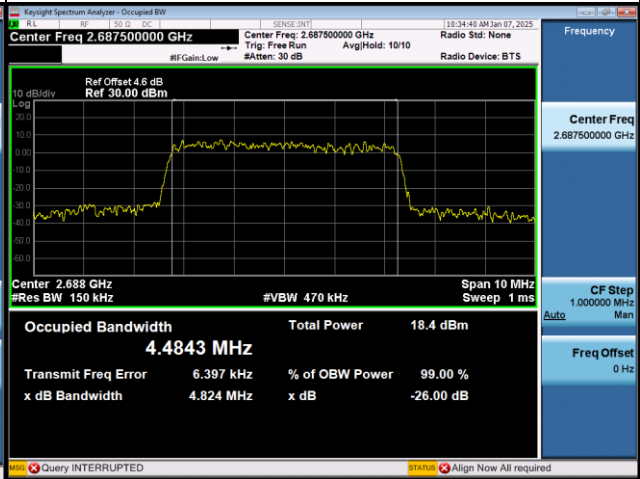
16QAM-39675

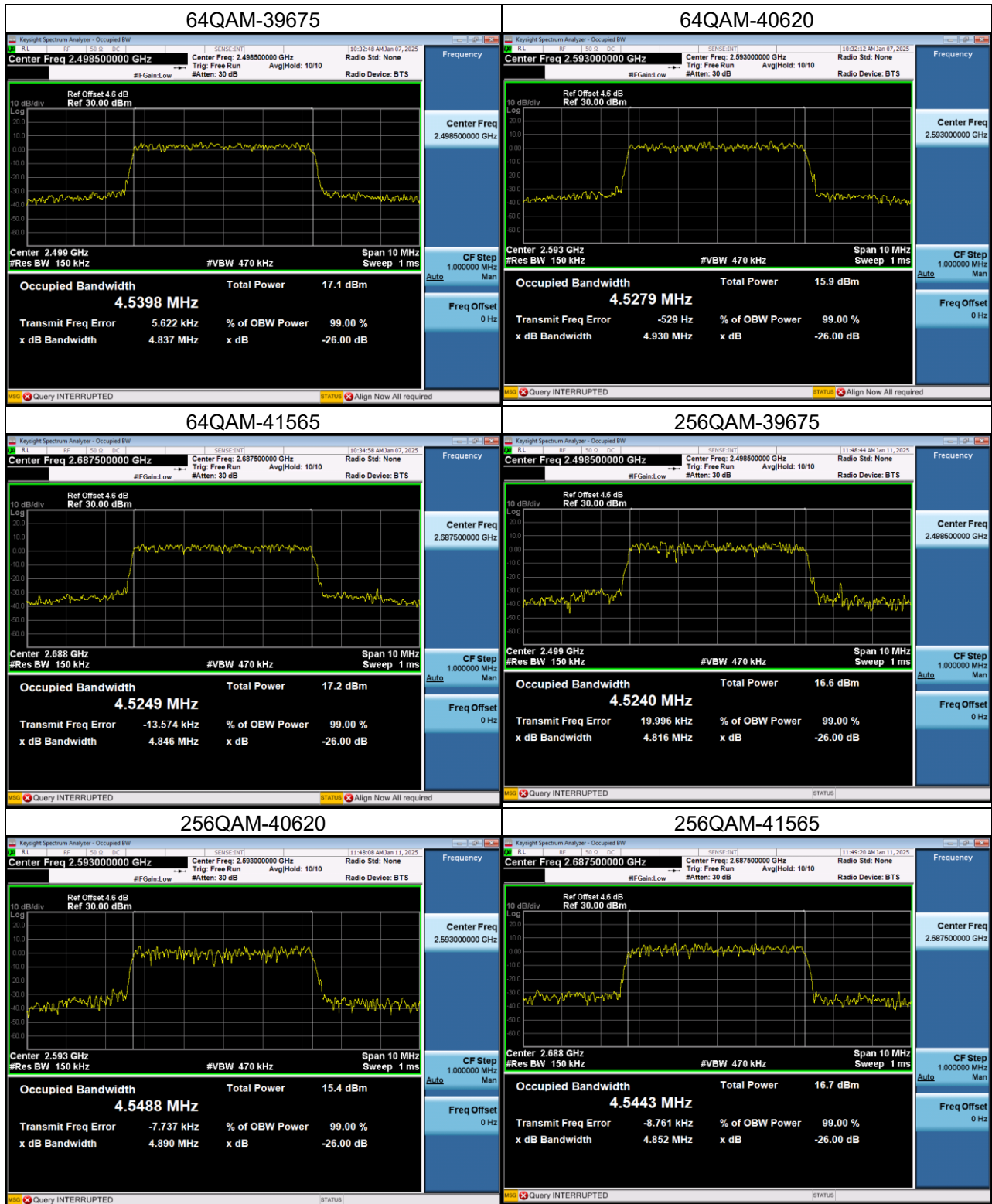


16QAM-40620



16QAM-41565

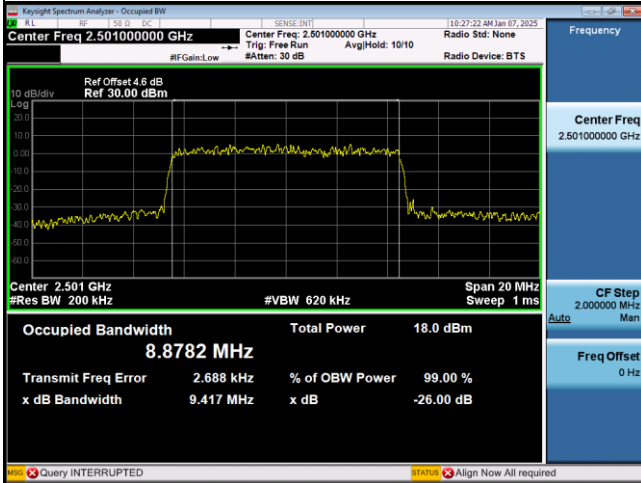




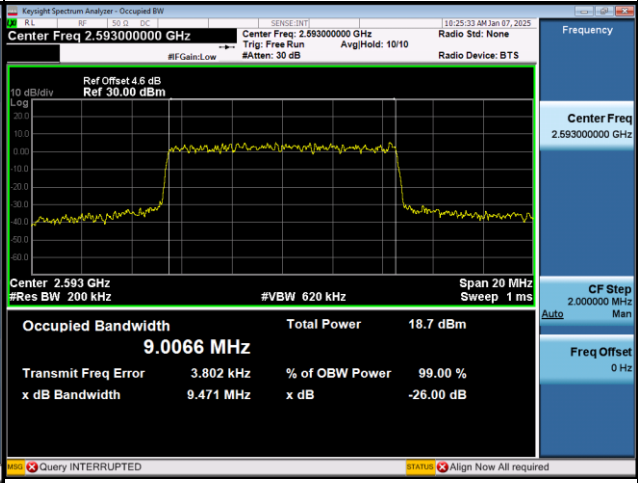
LTE Band 41_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39700	2501	8.8782	39700	2501	9.417
40620	2593	9.0066	40620	2593	9.471
41540	2685	8.9701	41540	2685	9.448
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39700	2501	8.9721	39700	2501	9.464
40620	2593	8.9010	40620	2593	9.423
41540	2685	8.9926	41540	2685	9.448
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39700	2501	8.9246	39700	2501	9.419
40620	2593	8.9307	40620	2593	9.507
41540	2685	8.9304	41540	2685	9.466
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39700	2501	8.8962	39700	2501	9.441
40620	2593	8.9598	40620	2593	9.465
41540	2685	8.8728	41540	2685	9.554

Spectrum Plot

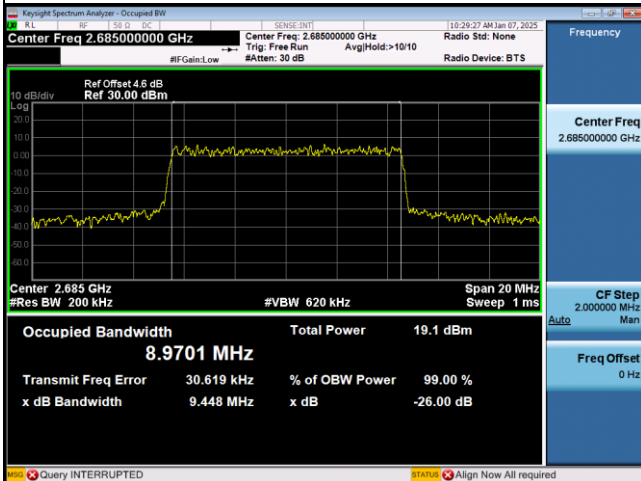
QPSK-39700



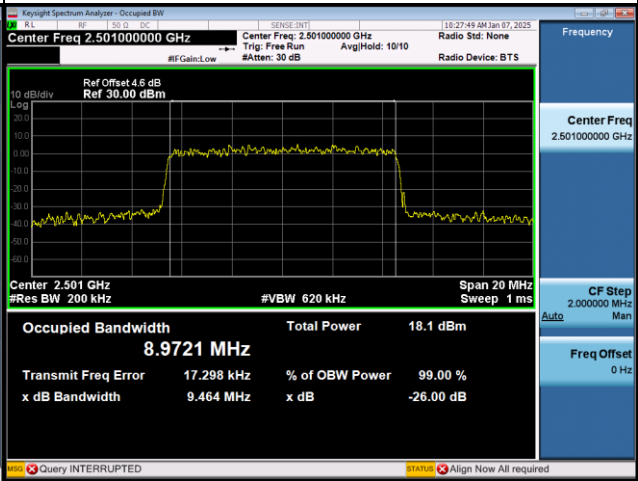
QPSK-40620



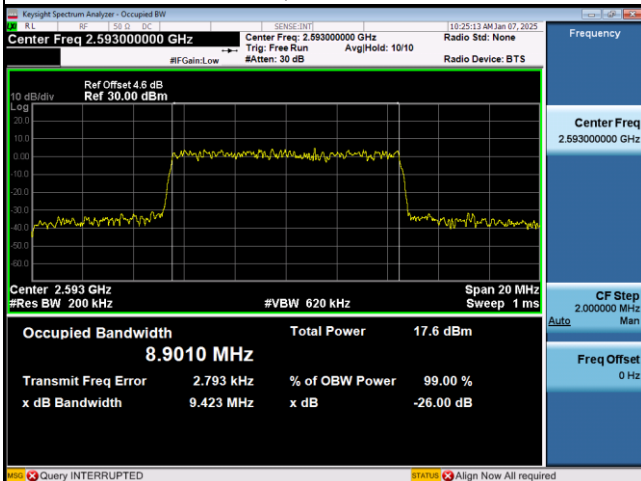
QPSK-41540



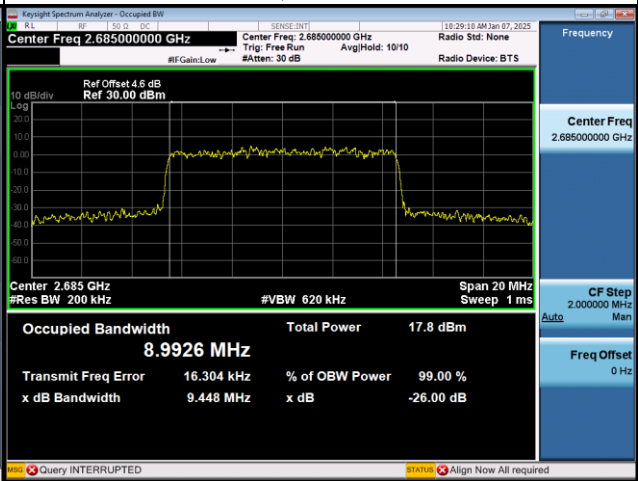
16QAM-39700

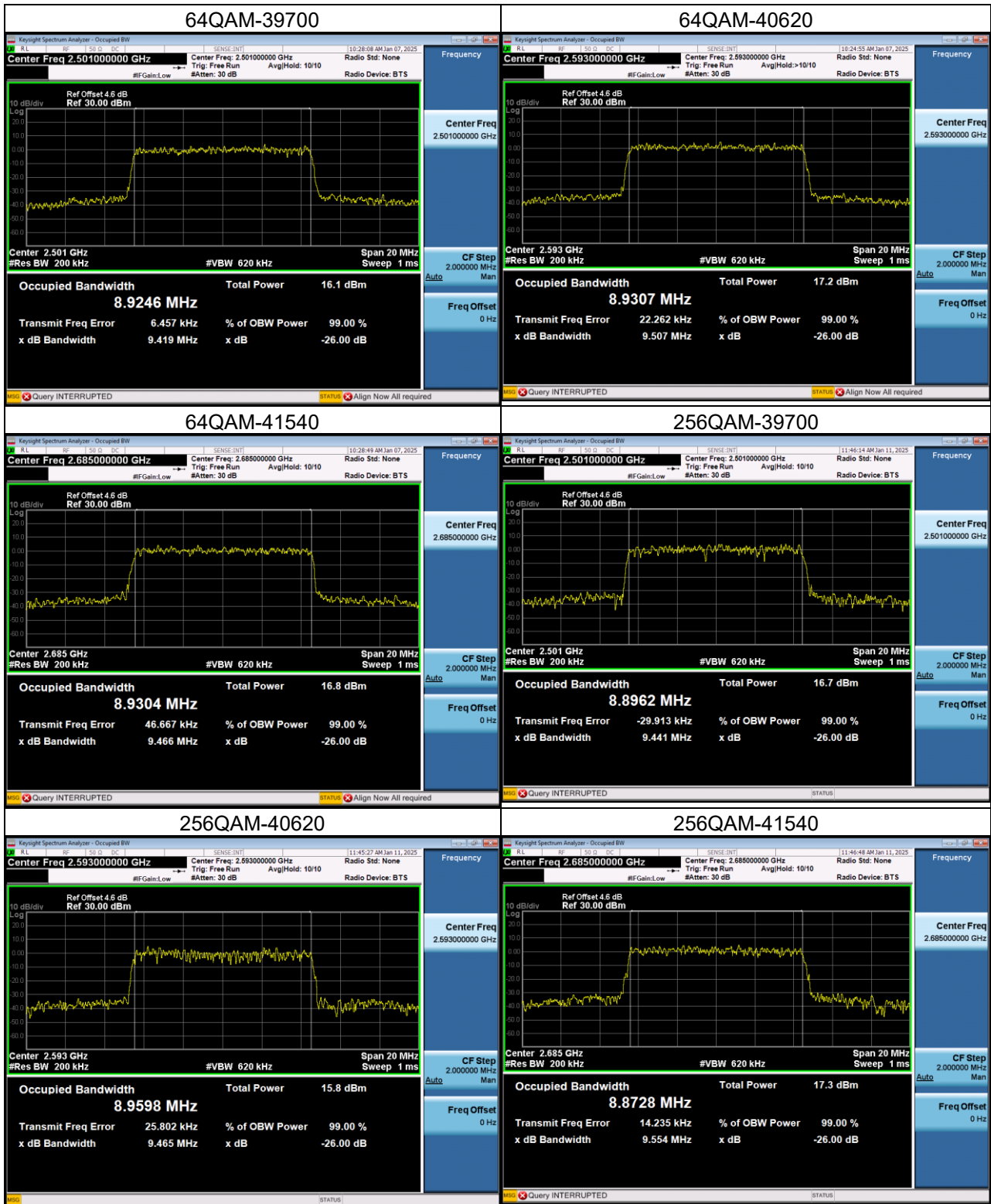


16QAM-40620



16QAM-41540

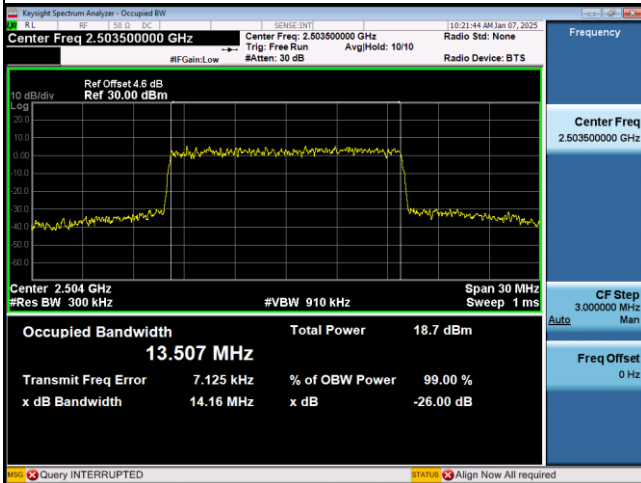




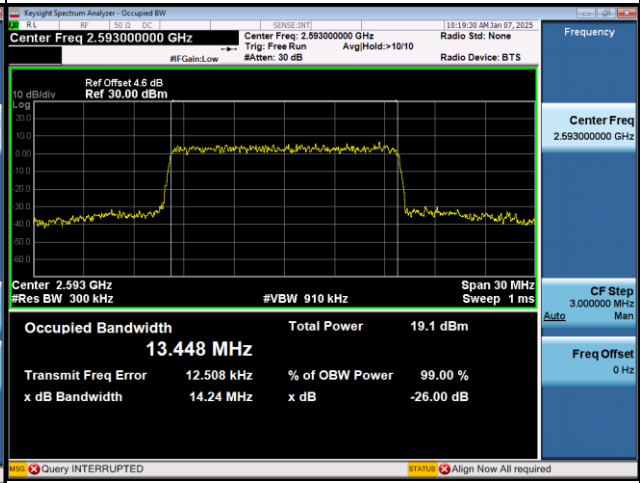
LTE Band 41_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.507	39725	2503.5	14.16
40620	2593	13.448	40620	2593	14.24
41515	2682.5	13.338	41515	2682.5	14.15
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.437	39725	2503.5	14.11
40620	2593	13.389	40620	2593	14.10
41515	2682.5	13.453	41515	2682.5	14.11
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.431	39725	2503.5	14.15
40620	2593	13.419	40620	2593	14.14
41515	2682.5	13.419	41515	2682.5	14.15
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.366	39725	2503.5	14.05
40620	2593	13.401	40620	2593	14.11
41515	2682.5	13.322	41515	2682.5	14.07

Spectrum Plot

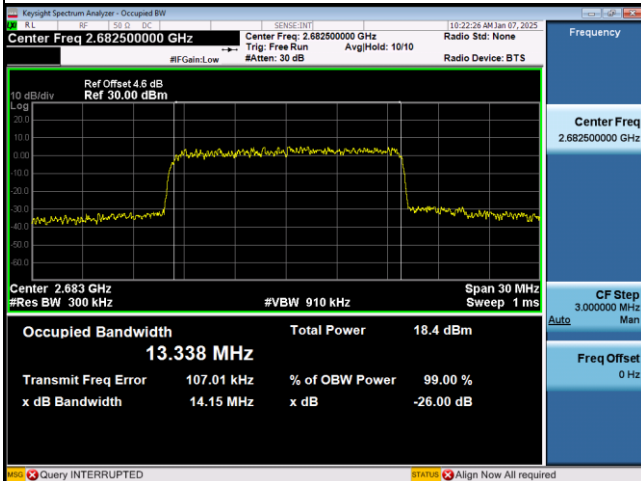
QPSK-39725



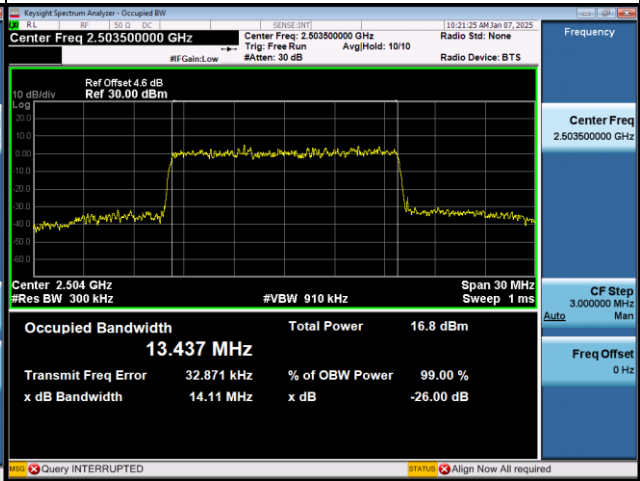
QPSK-40620



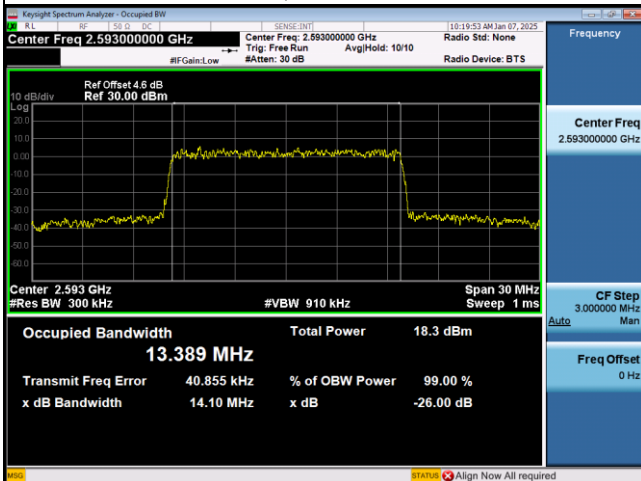
QPSK-41515



16QAM-39725

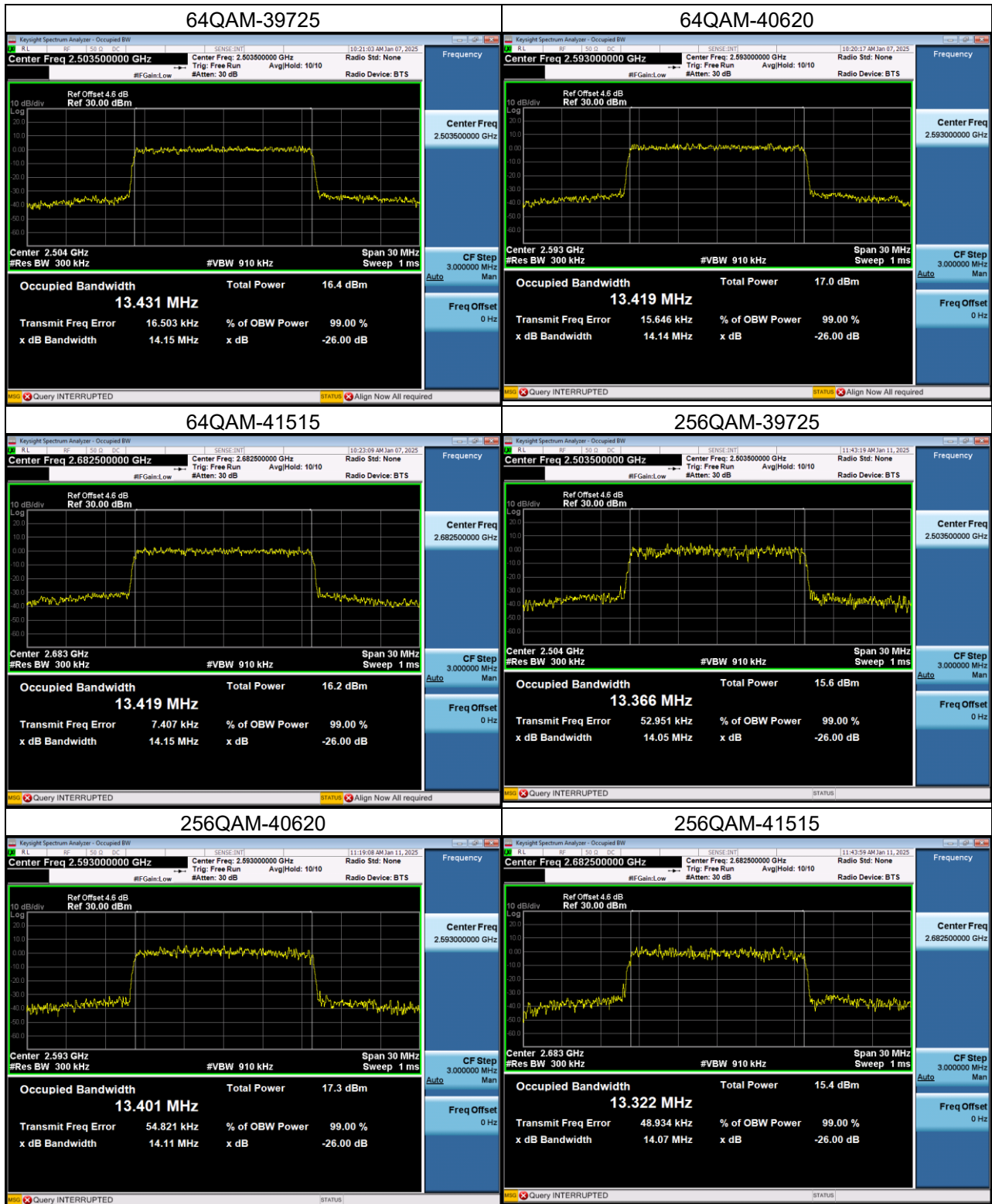


16QAM-40620



16QAM-41515





LTE Band 41_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.904	39750	2506	18.86
40620	2593	17.833	40620	2593	18.83
41490	2680	17.820	41490	2680	18.85
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.873	39750	2506	18.86
40620	2593	17.867	40620	2593	18.79
41490	2680	17.834	41490	2680	18.96
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.927	39750	2506	18.78
40620	2593	17.862	40620	2593	18.84
41490	2680	17.901	41490	2680	18.85
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.803	39750	2506	18.90
40620	2593	17.988	40620	2593	18.84
41490	2680	17.741	41490	2680	18.77