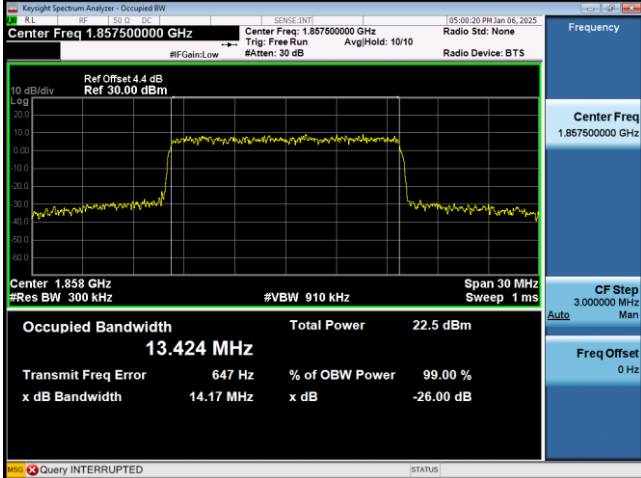
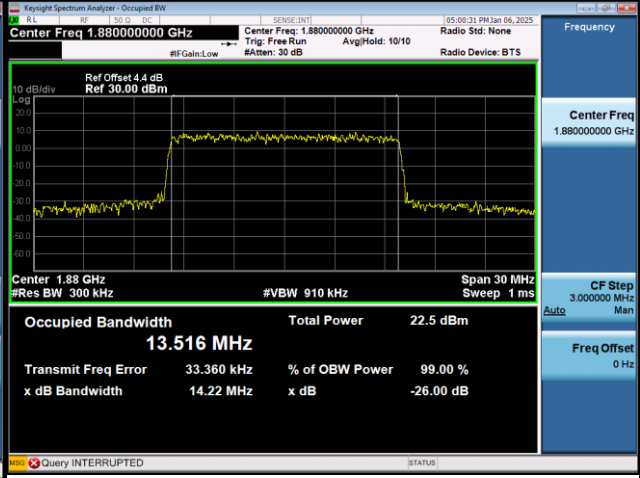


Spectrum Plot

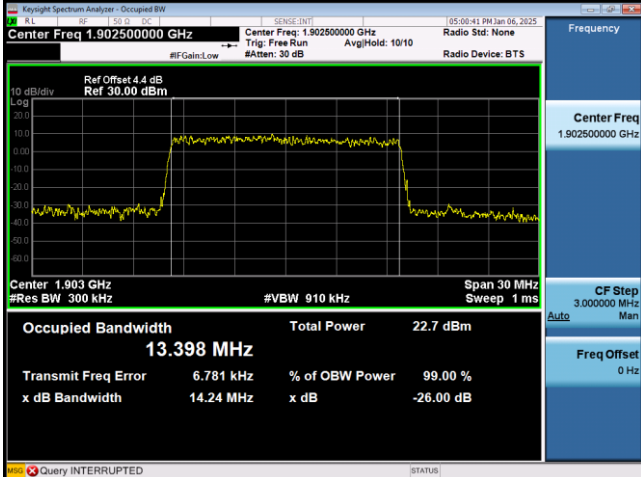
QPSK-18675



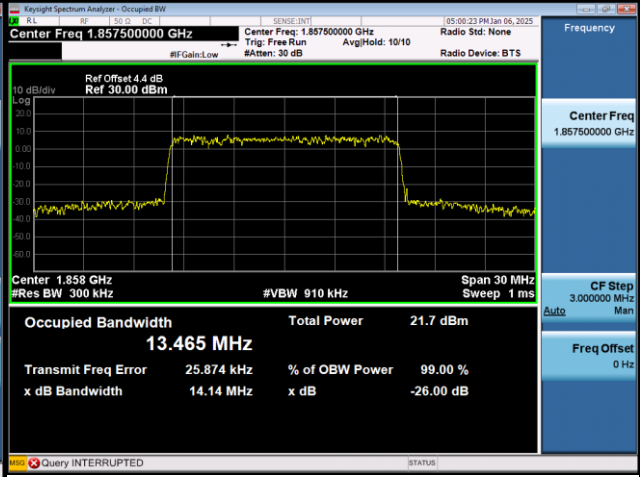
QPSK-18900



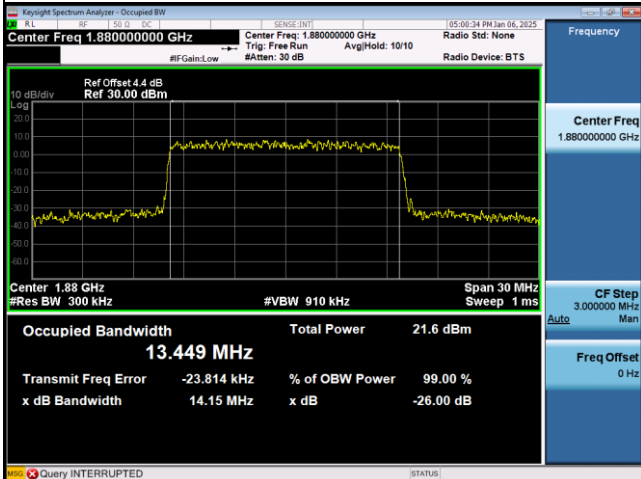
QPSK-19125



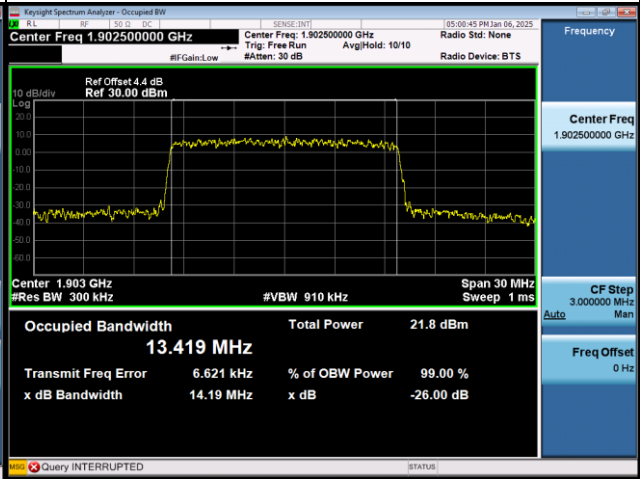
16QAM-18675

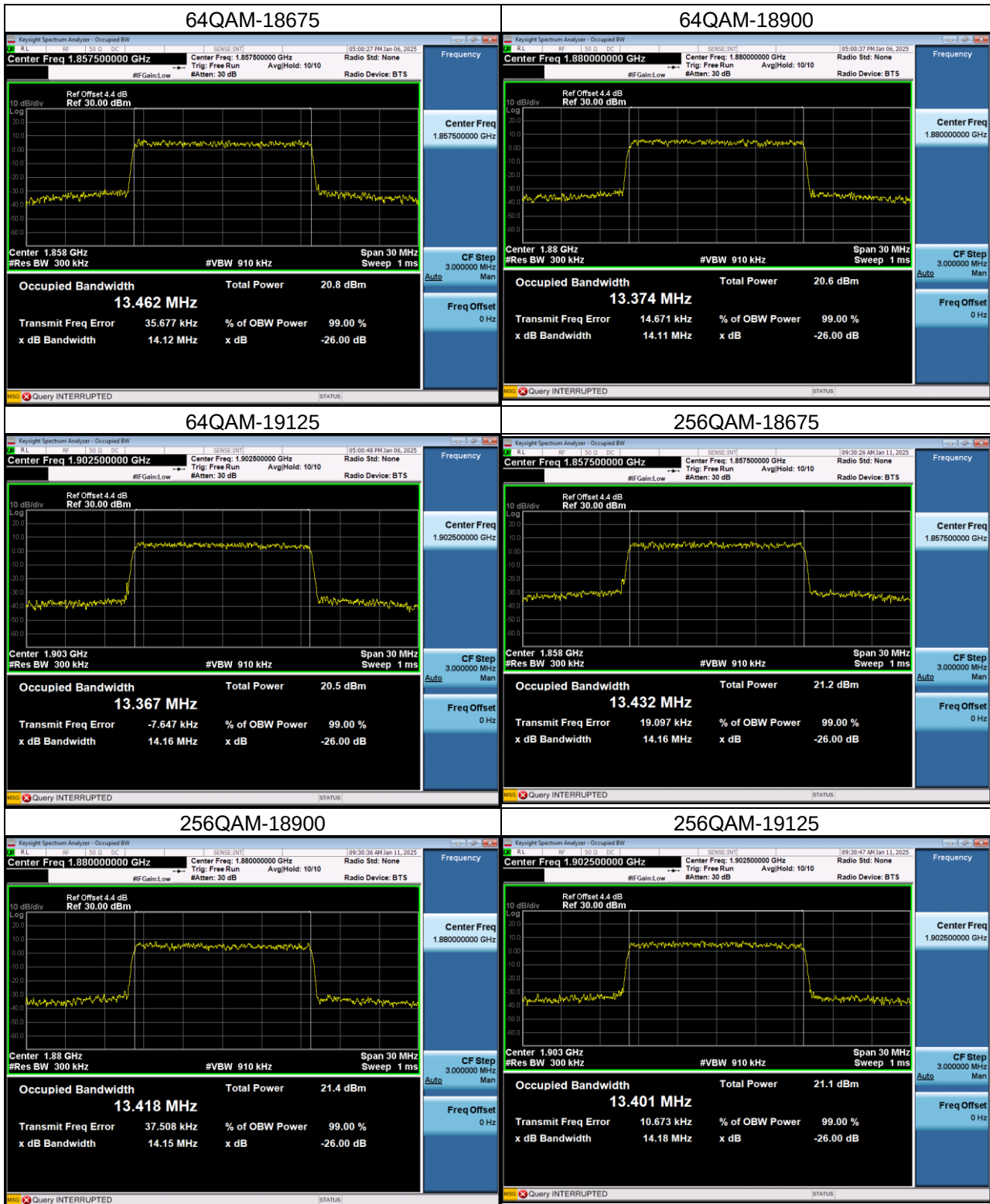


16QAM-18900



16QAM-19125

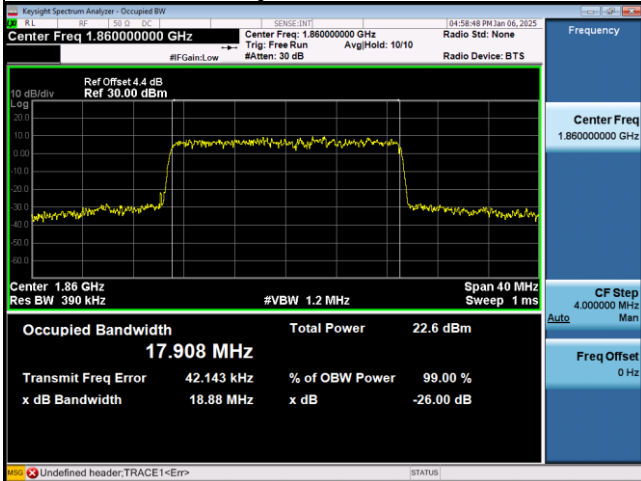




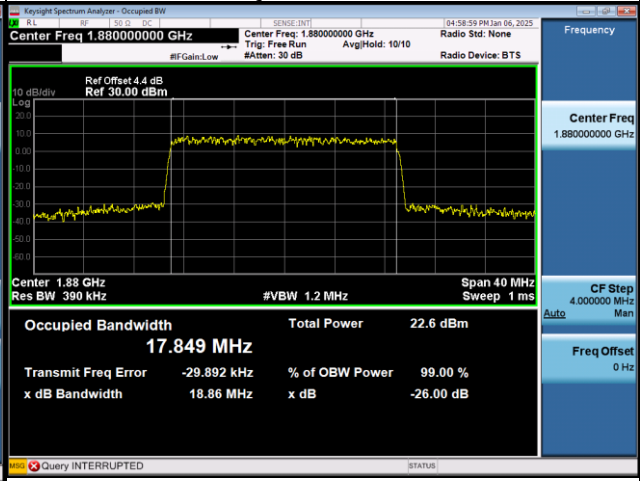
LTE Band 2_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
18700	1860	17.908	18700	1860	18.88
18900	1880	17.849	18900	1880	18.86
19100	1900	17.907	19100	1900	18.82
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
18700	1860	17.872	18700	1860	18.89
18900	1880	17.887	18900	1880	18.84
19100	1900	17.895	19100	1900	18.83
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
18700	1860	17.903	18700	1860	18.92
18900	1880	17.925	18900	1880	18.83
19100	1900	17.901	19100	1900	18.91
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
18700	1860	17.816	18700	1860	18.89
18900	1880	17.880	18900	1880	18.91
19100	1900	17.877	19100	1900	18.93

Spectrum Plot

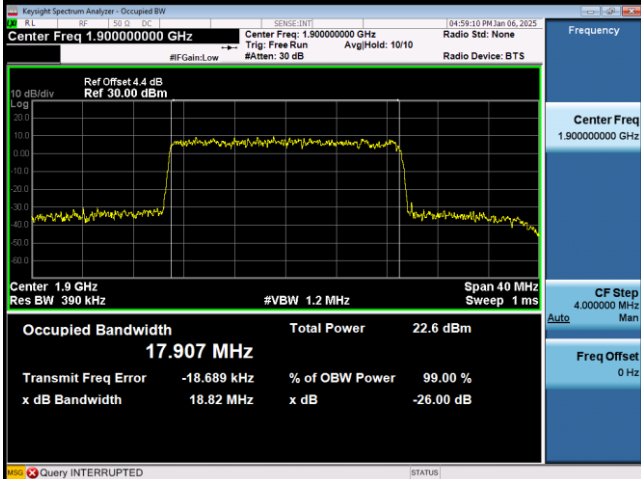
QPSK-18700



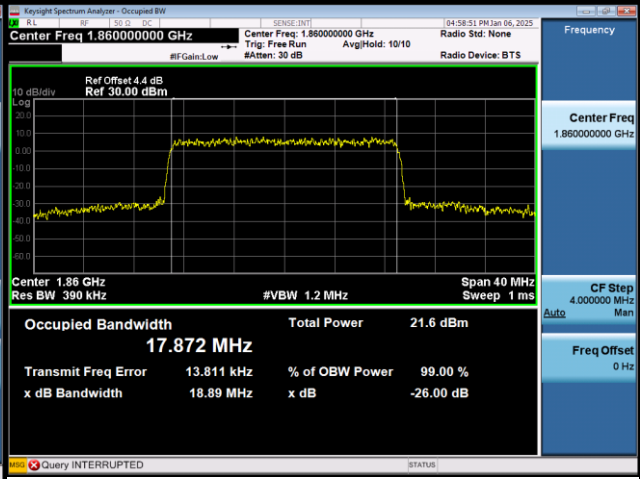
QPSK-18900



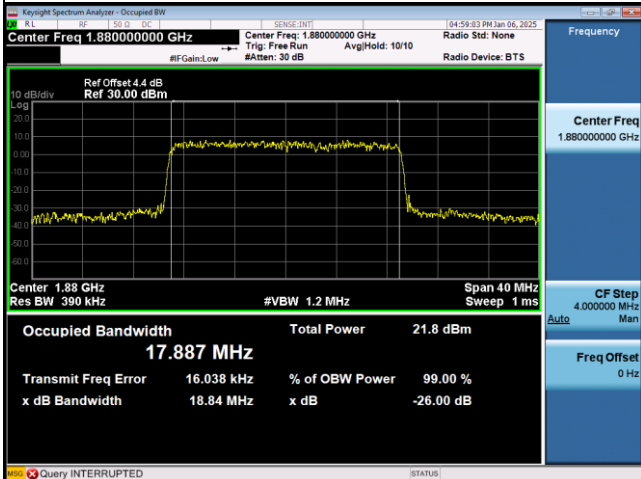
QPSK-19100



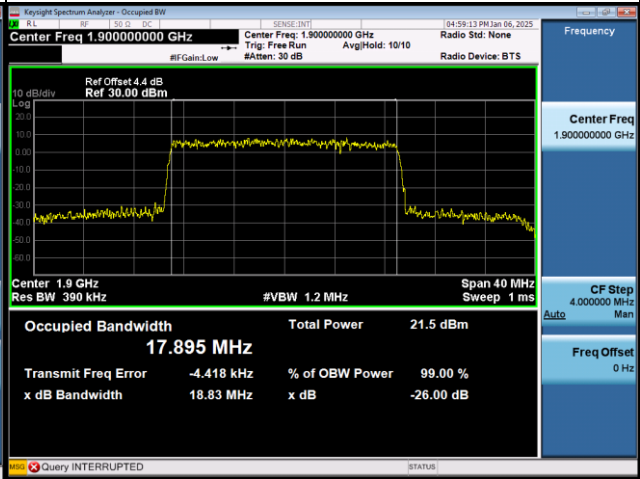
16QAM-18700

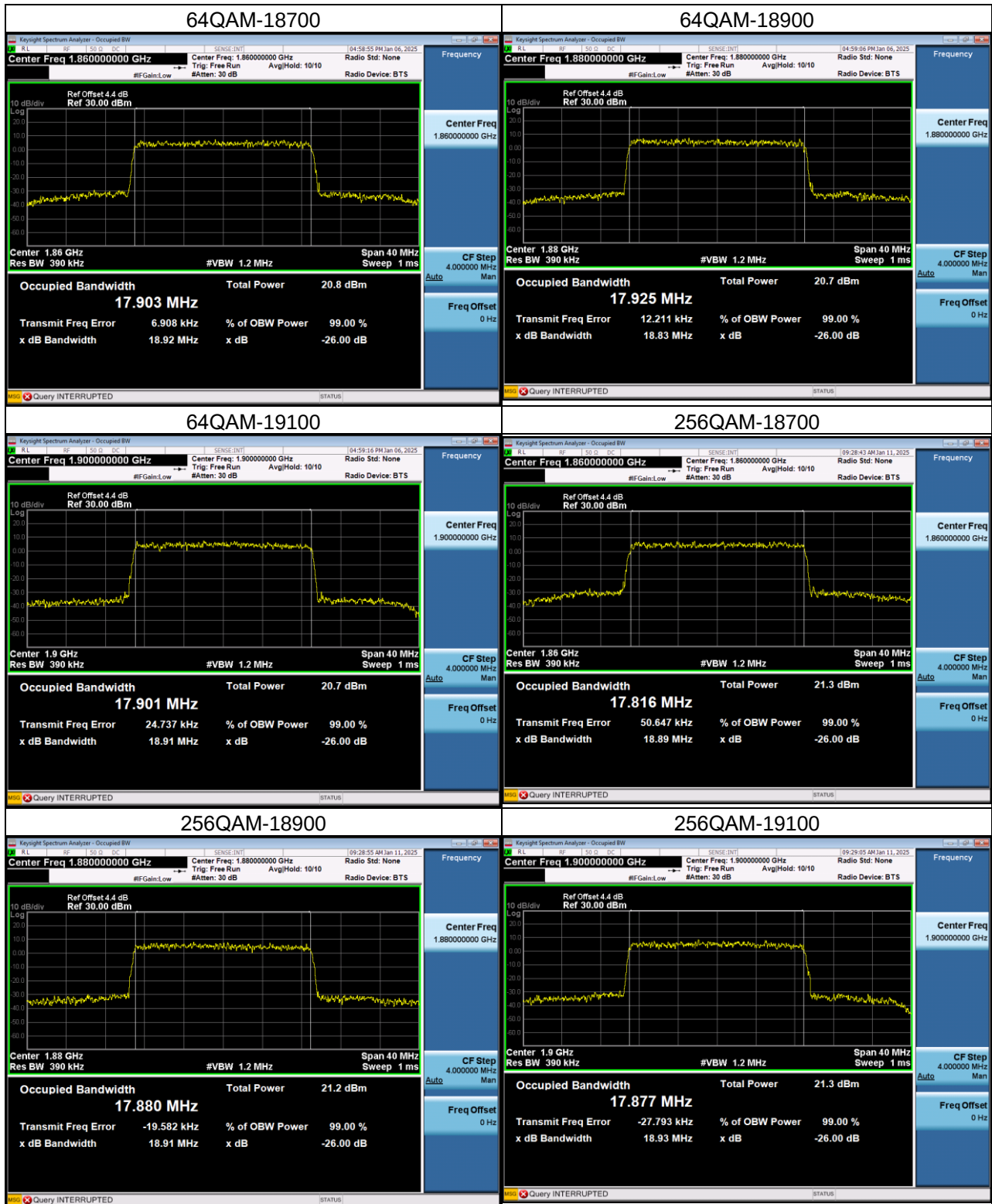


16QAM-18900



16QAM-19100

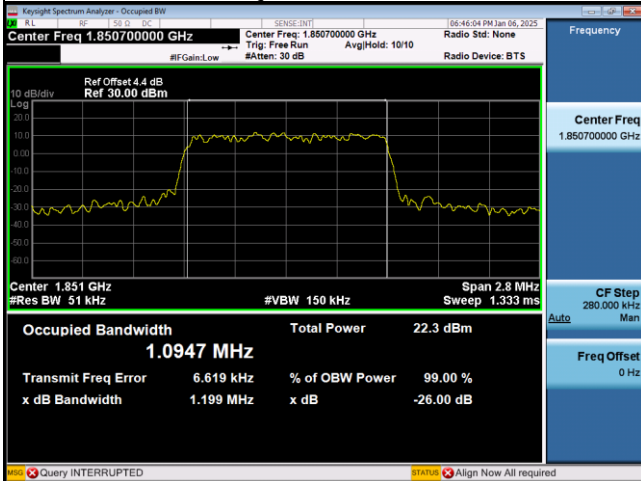




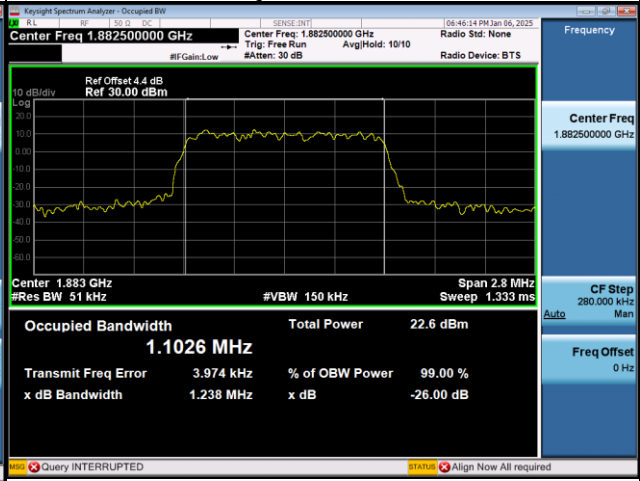
LTE Band 25_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26047	1850.7	1.0947	26047	1850.7	1.199
26365	1882.5	1.1026	26365	1882.5	1.238
26683	1914.3	1.1038	26683	1914.3	1.227
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26047	1850.7	1.1012	26047	1850.7	1.223
26365	1882.5	1.0991	26365	1882.5	1.229
26683	1914.3	1.0884	26683	1914.3	1.219
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26047	1850.7	1.0985	26047	1850.7	1.197
26365	1882.5	1.1029	26365	1882.5	1.213
26683	1914.3	1.1012	26683	1914.3	1.215
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26047	1850.7	1.0897	26047	1850.7	1.199
26365	1882.5	1.0924	26365	1882.5	1.213
26683	1914.3	1.0978	26683	1914.3	1.204

Spectrum Plot

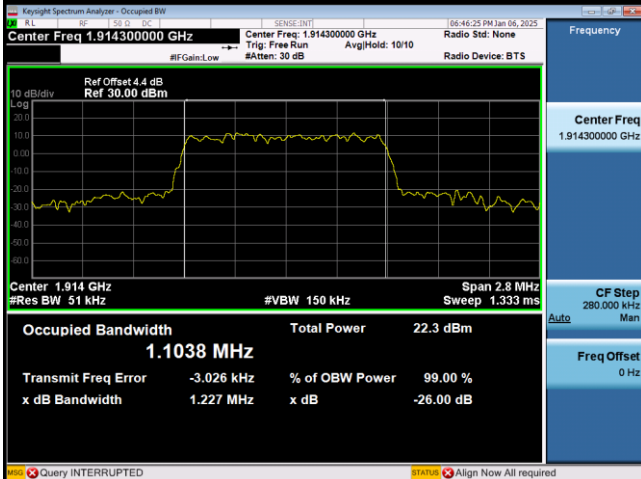
QPSK-26047



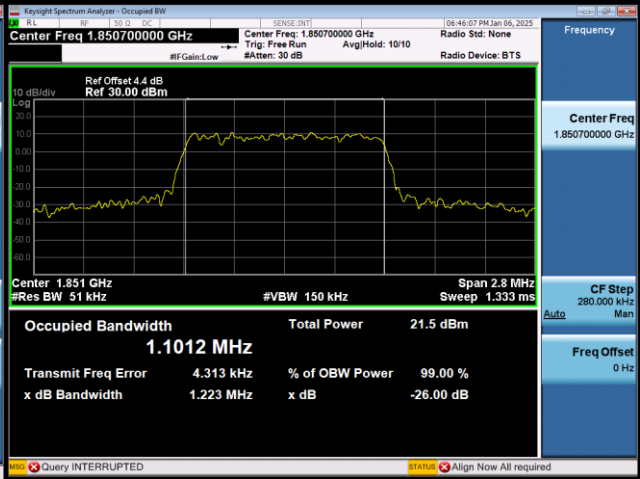
QPSK-26365



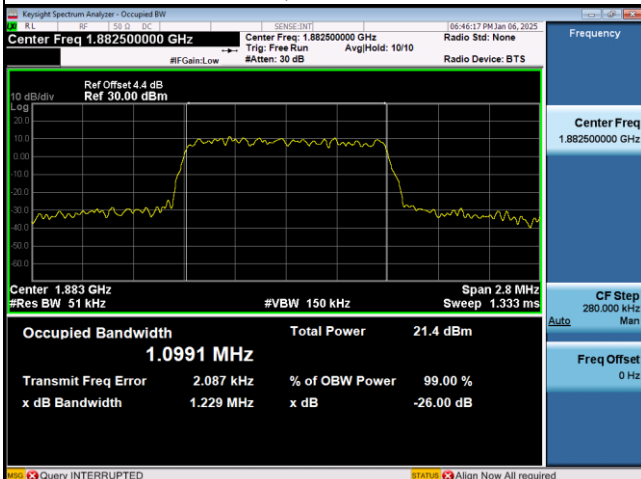
QPSK-26683



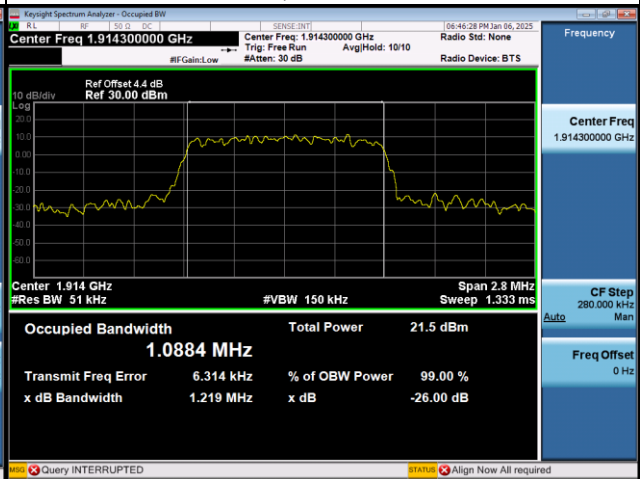
16QAM-26047

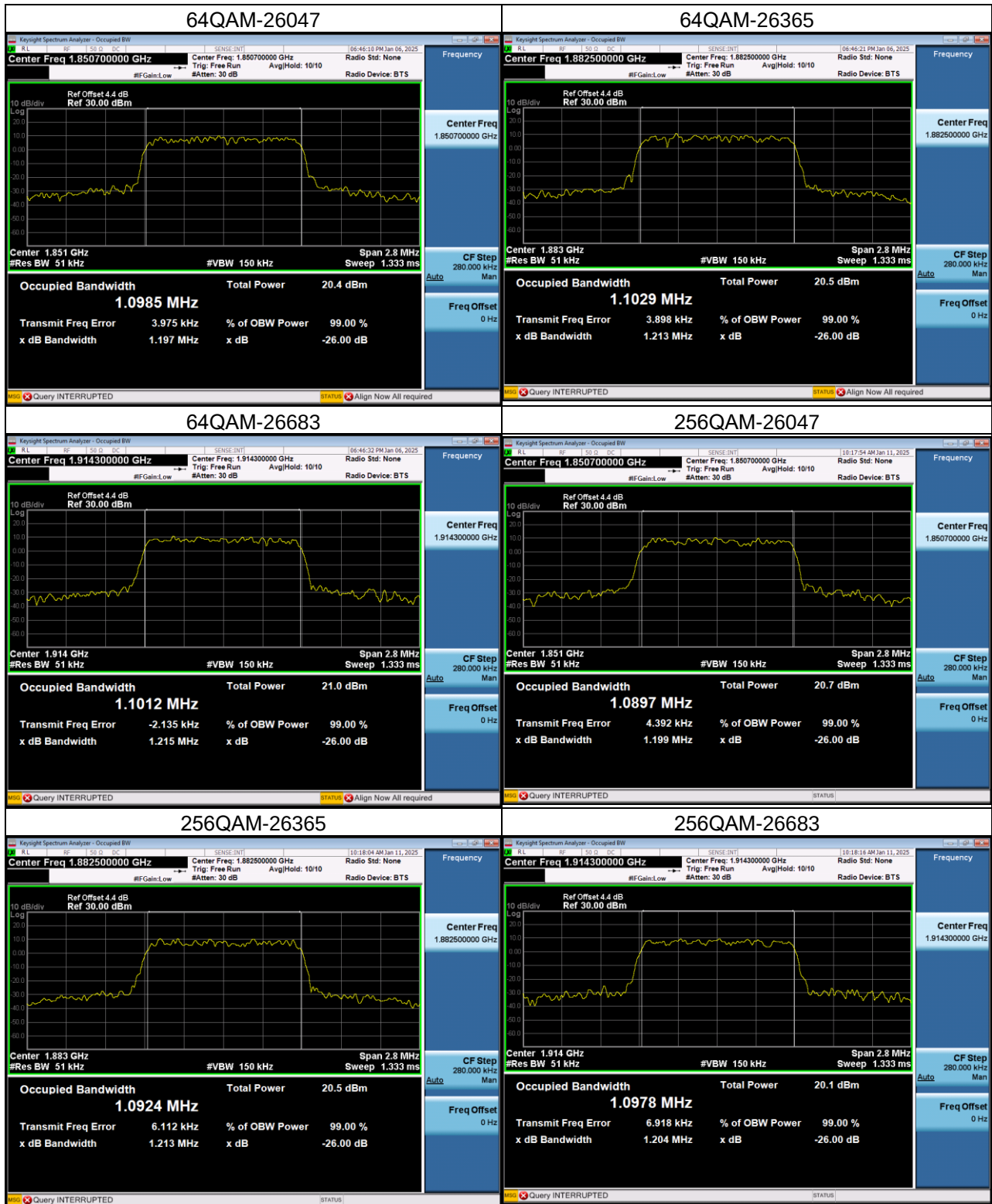


16QAM-26365



16QAM-26683

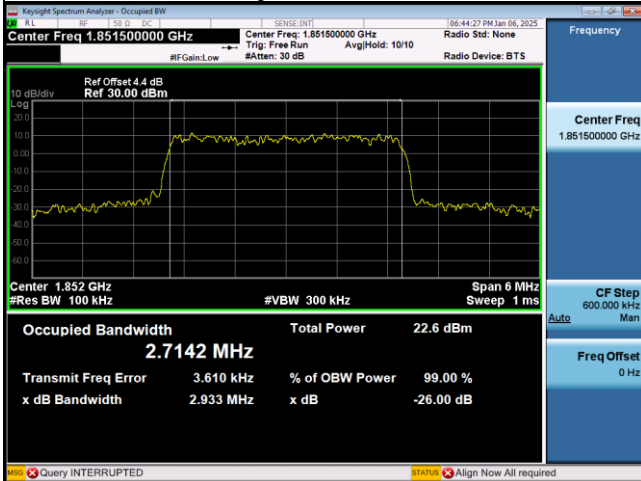




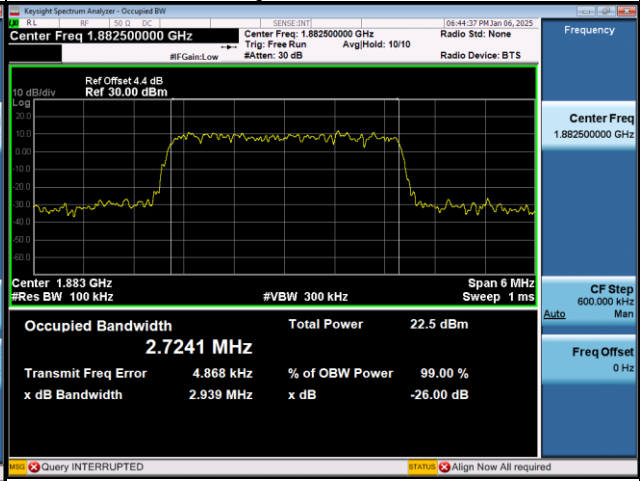
LTE Band 25_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26055	1851.5	2.7142	26055	1851.5	2.933
26365	1882.5	2.7241	26365	1882.5	2.939
26675	1913.5	2.7102	26675	1913.5	2.933
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26055	1851.5	2.7181	26055	1851.5	2.918
26365	1882.5	2.7239	26365	1882.5	2.915
26675	1913.5	2.7218	26675	1913.5	2.933
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26055	1851.5	2.7162	26055	1851.5	2.939
26365	1882.5	2.7370	26365	1882.5	2.943
26675	1913.5	2.7221	26675	1913.5	2.955
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26055	1851.5	2.7216	26055	1851.5	2.926
26365	1882.5	2.7242	26365	1882.5	2.934
26675	1913.5	2.6963	26675	1913.5	2.951

Spectrum Plot

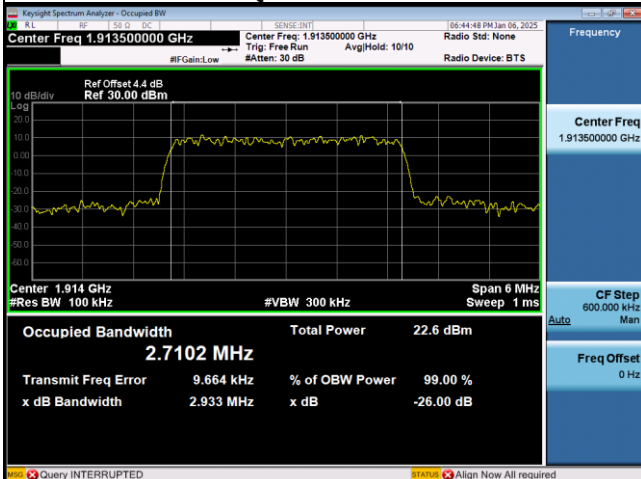
QPSK-26055



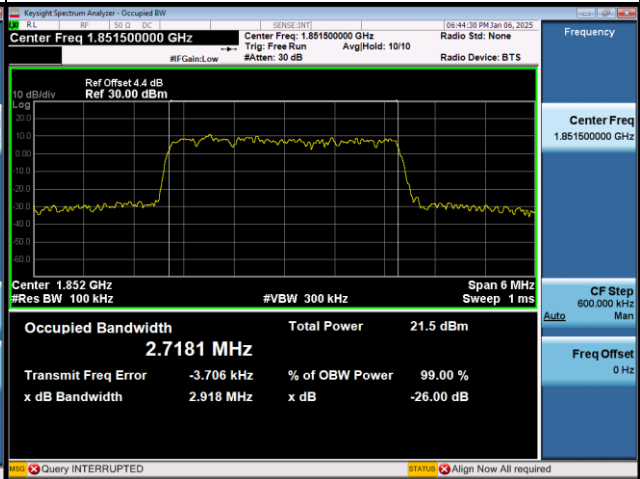
QPSK-26365



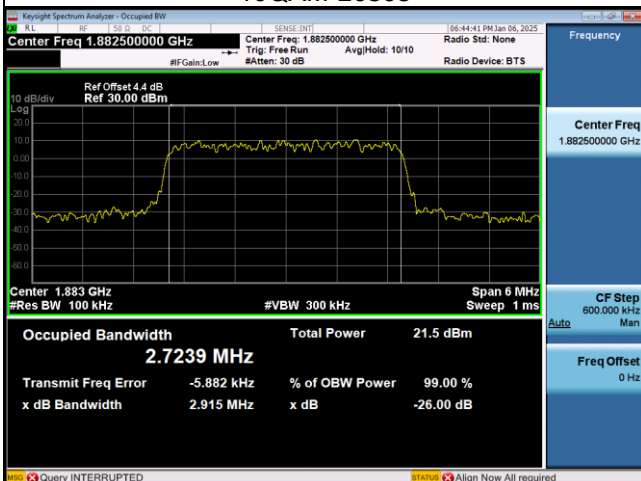
QPSK-26675



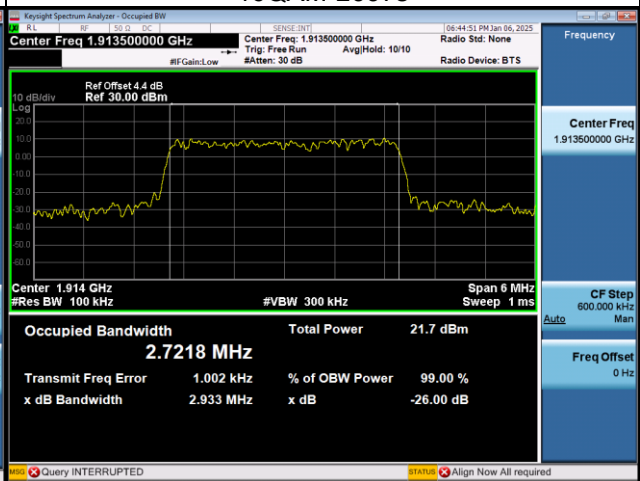
16QAM-26055

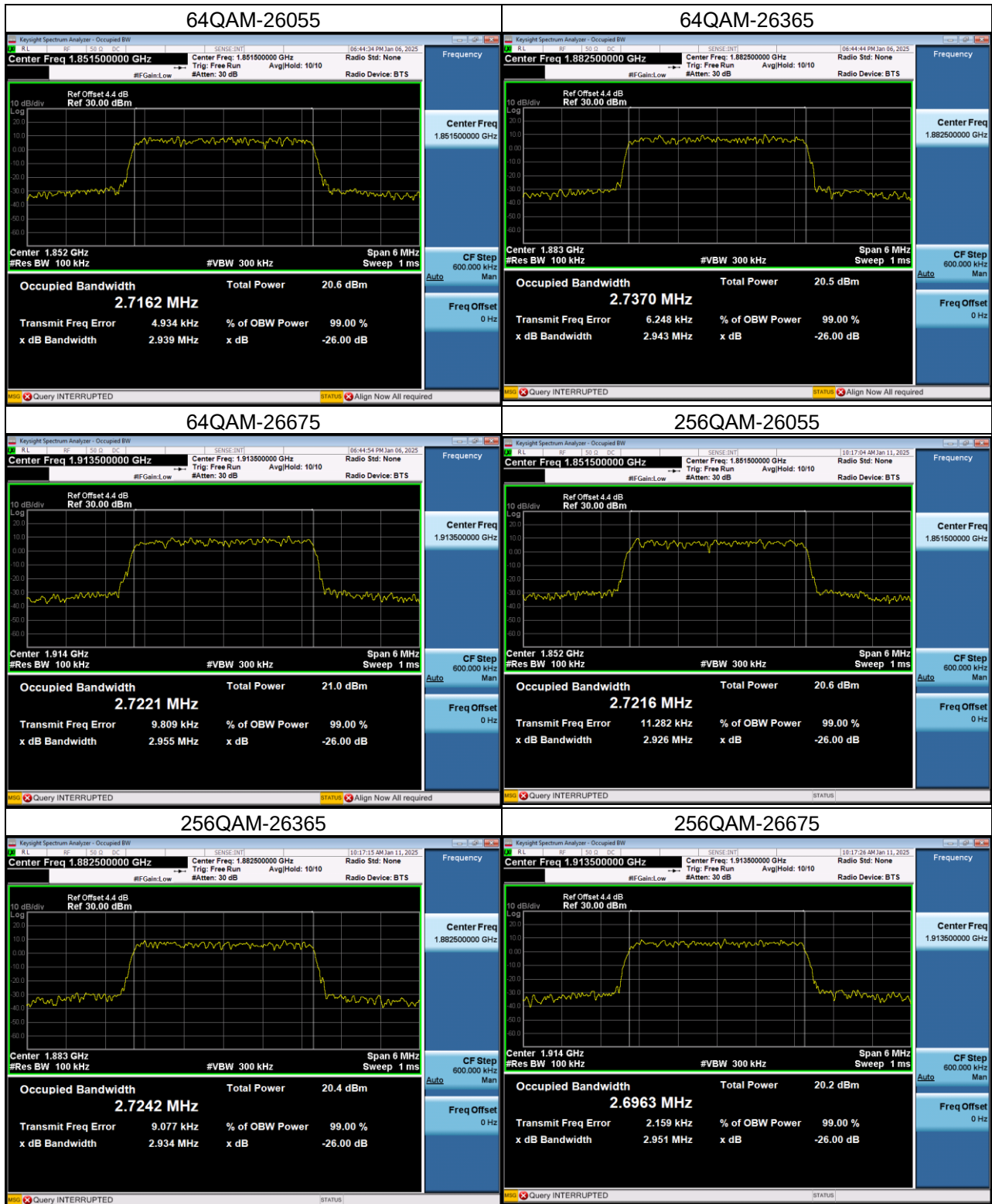


16QAM-26365



16QAM-26675





LTE Band 25_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26065	1852.5	4.5056	26065	1852.5	4.895
26365	1882.5	4.5318	26365	1882.5	4.835
26665	1912.5	4.5421	26665	1912.5	4.880
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26065	1852.5	4.4865	26065	1852.5	4.820
26365	1882.5	4.5116	26365	1882.5	4.864
26665	1912.5	4.5096	26665	1912.5	4.845
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26065	1852.5	4.5141	26065	1852.5	4.937
26365	1882.5	4.5252	26365	1882.5	4.828
26665	1912.5	4.5247	26665	1912.5	4.820
256QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26065	1852.5	4.5374	26065	1852.5	4.863
26365	1882.5	4.5310	26365	1882.5	4.824
26665	1912.5	4.4734	26665	1912.5	4.874

Spectrum Plot

