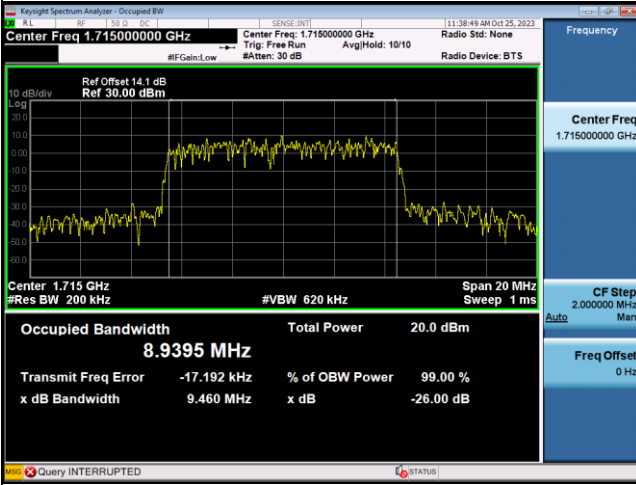
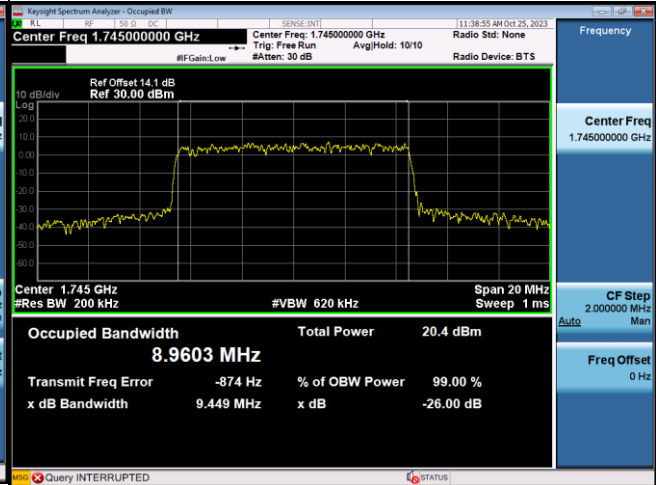


Spectrum Plot

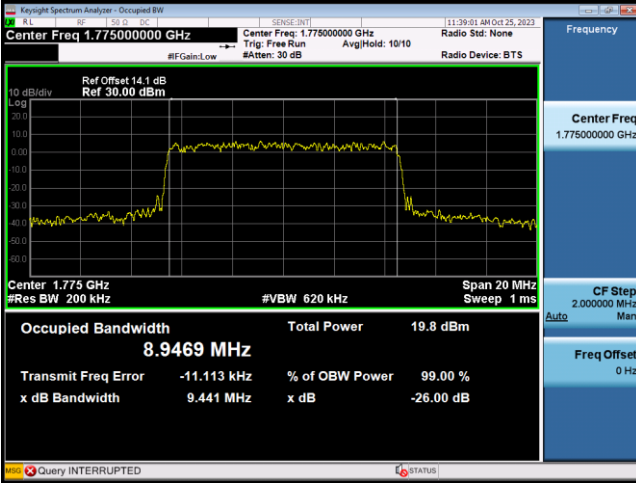
QPSK-132022



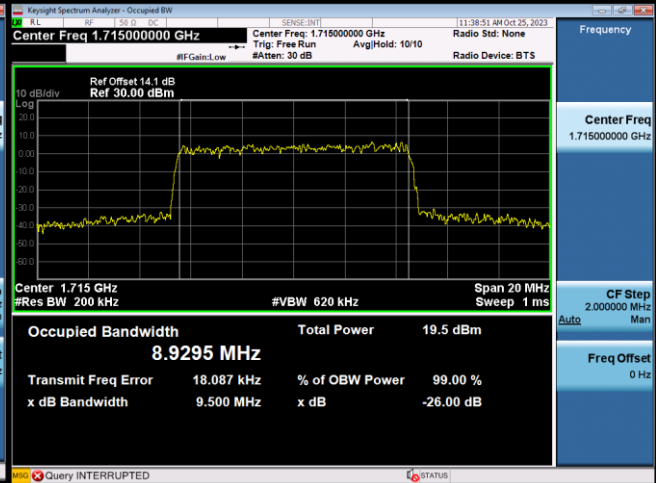
QPSK-132322



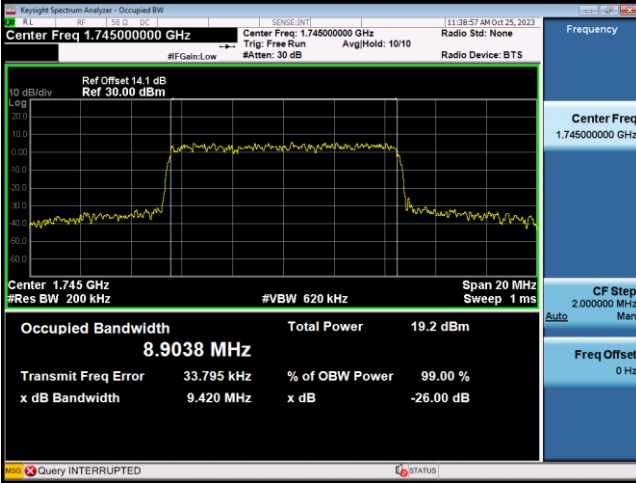
QPSK-132622



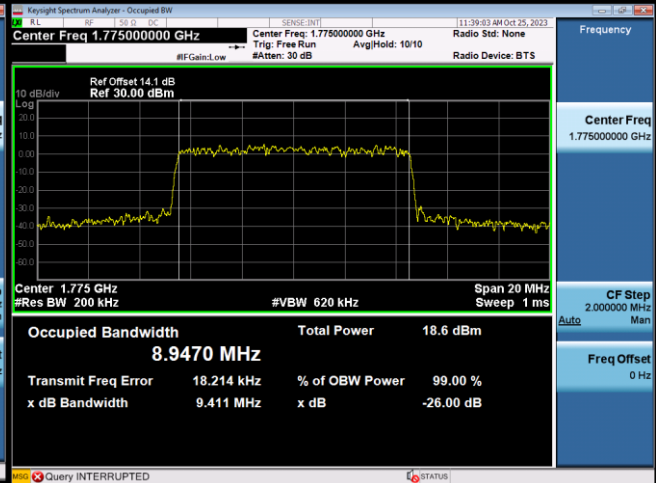
16QAM-132022



16QAM-132322

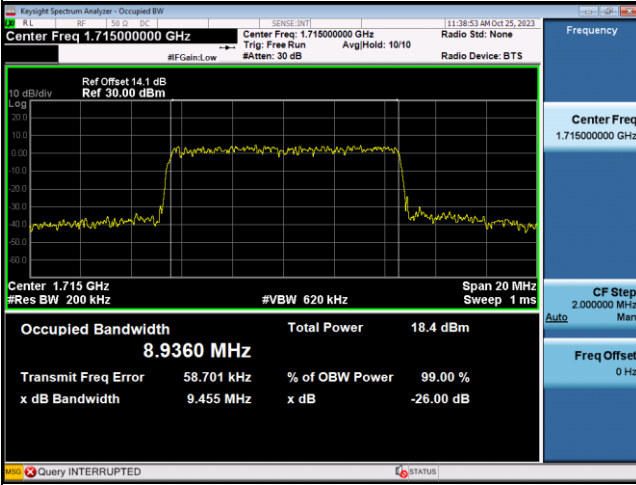


16QAM-132622

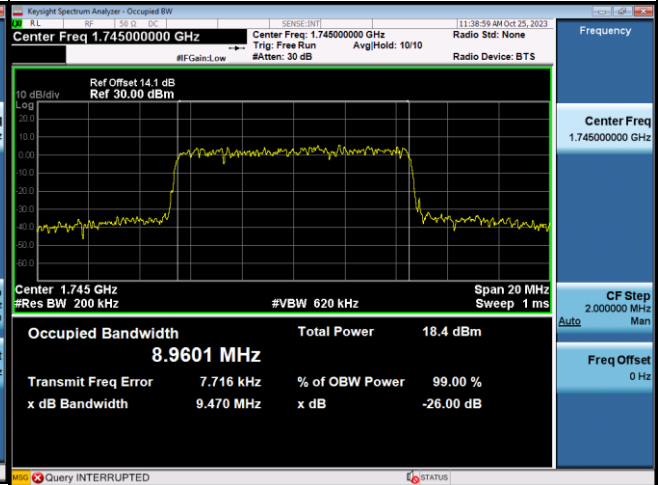


Spectrum Plot

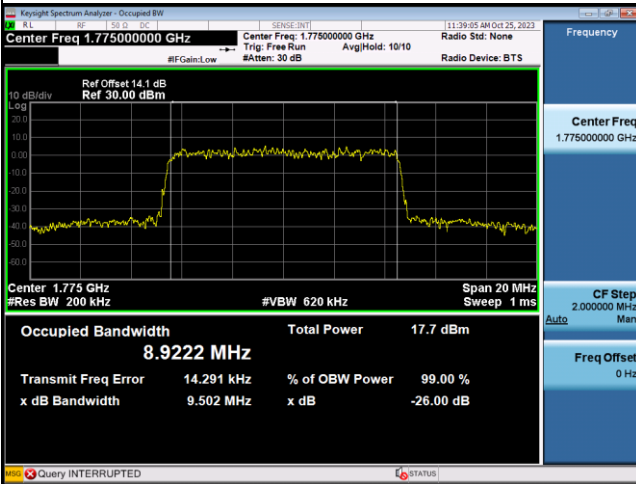
64QAM-132022



64QAM-132322



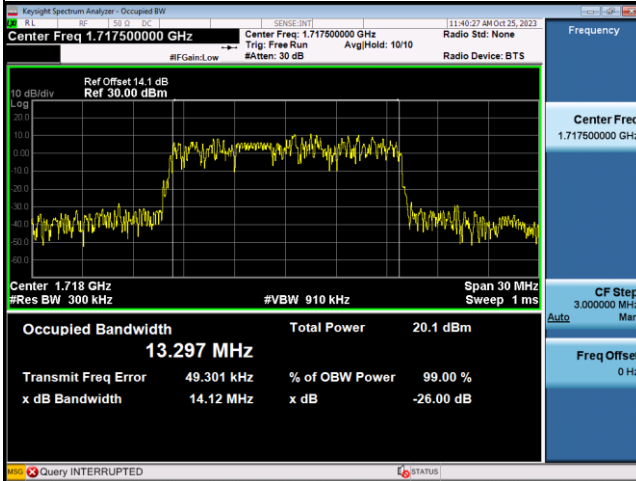
64QAM-132622



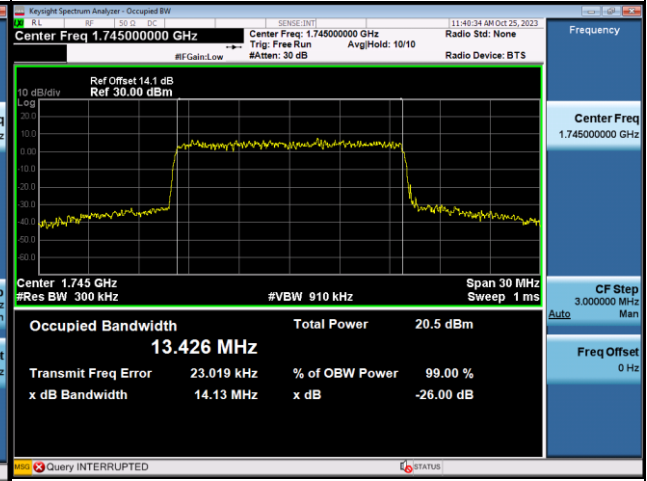
LTE Band 66_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.297	132047	1717.5	14.12
132322	1745	13.426	132322	1745	14.13
132597	1772.5	13.363	132597	1772.5	14.16
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.404	132047	1717.5	14.16
132322	1745	13.412	132322	1745	14.16
132597	1772.5	13.357	132597	1772.5	14.11
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.443	132047	1717.5	14.15
132322	1745	13.433	132322	1745	14.16
132597	1772.5	13.451	132597	1772.5	14.14

Spectrum Plot

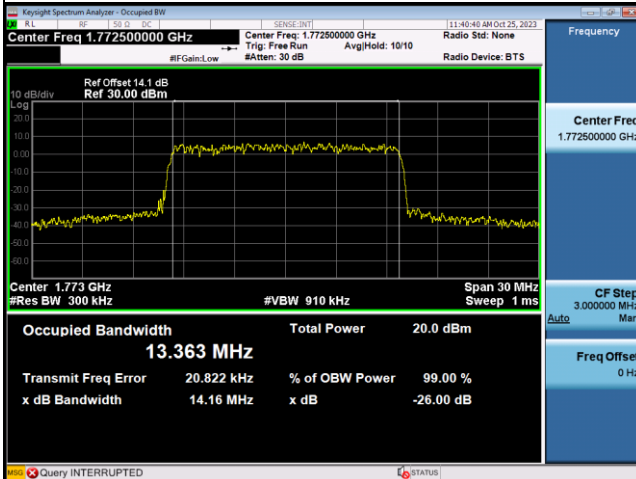
QPSK-132047



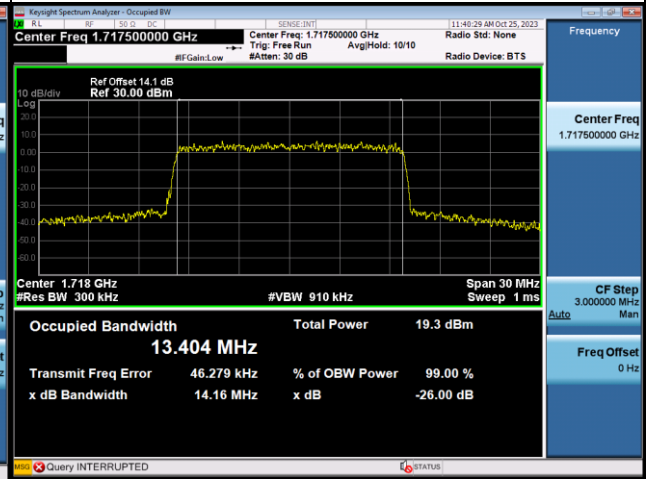
QPSK-132322



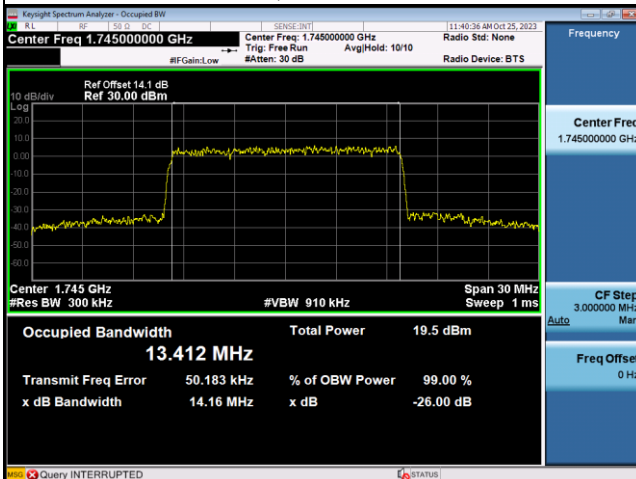
QPSK-132597



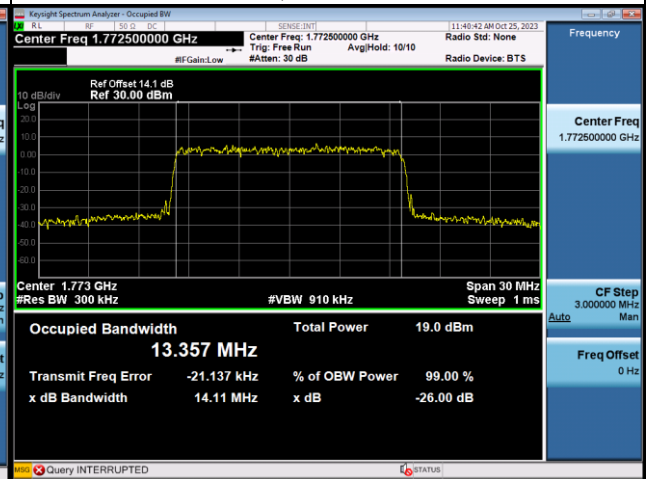
16QAM-132047



16QAM-132322

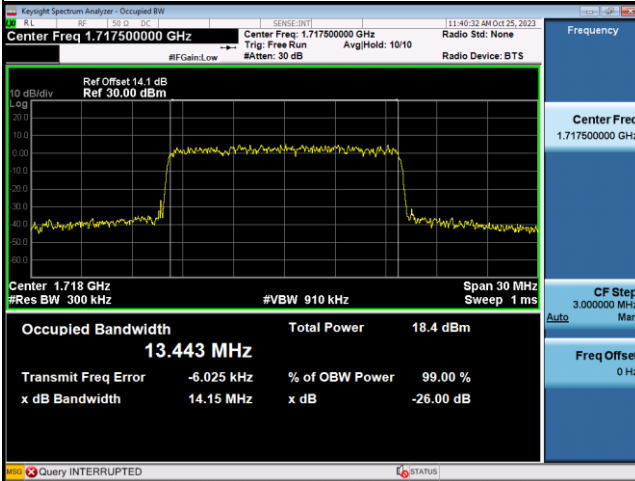


16QAM-132597

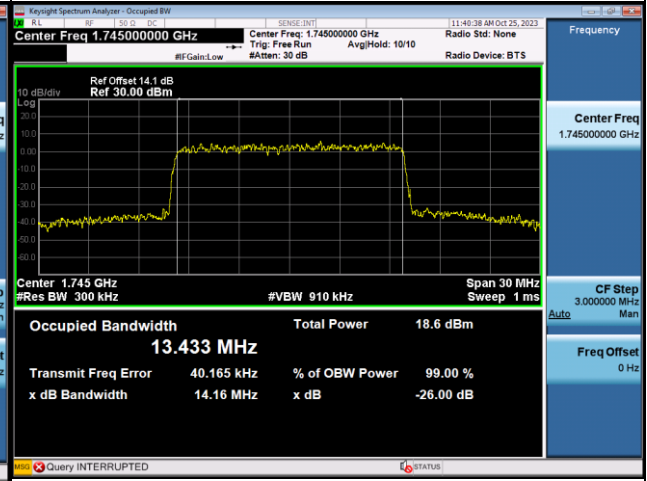


Spectrum Plot

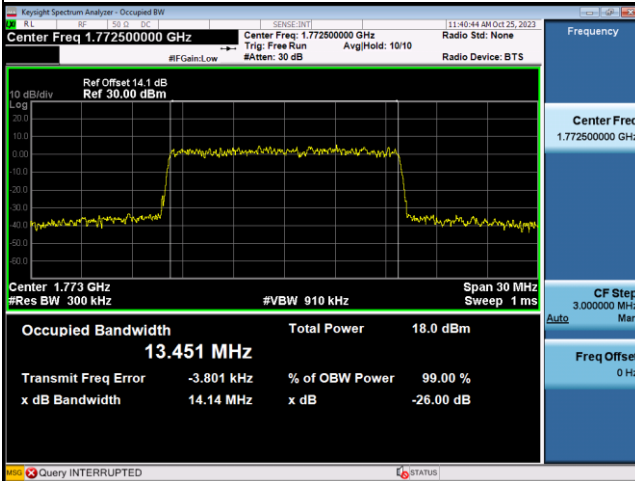
64QAM-132047



64QAM-132322

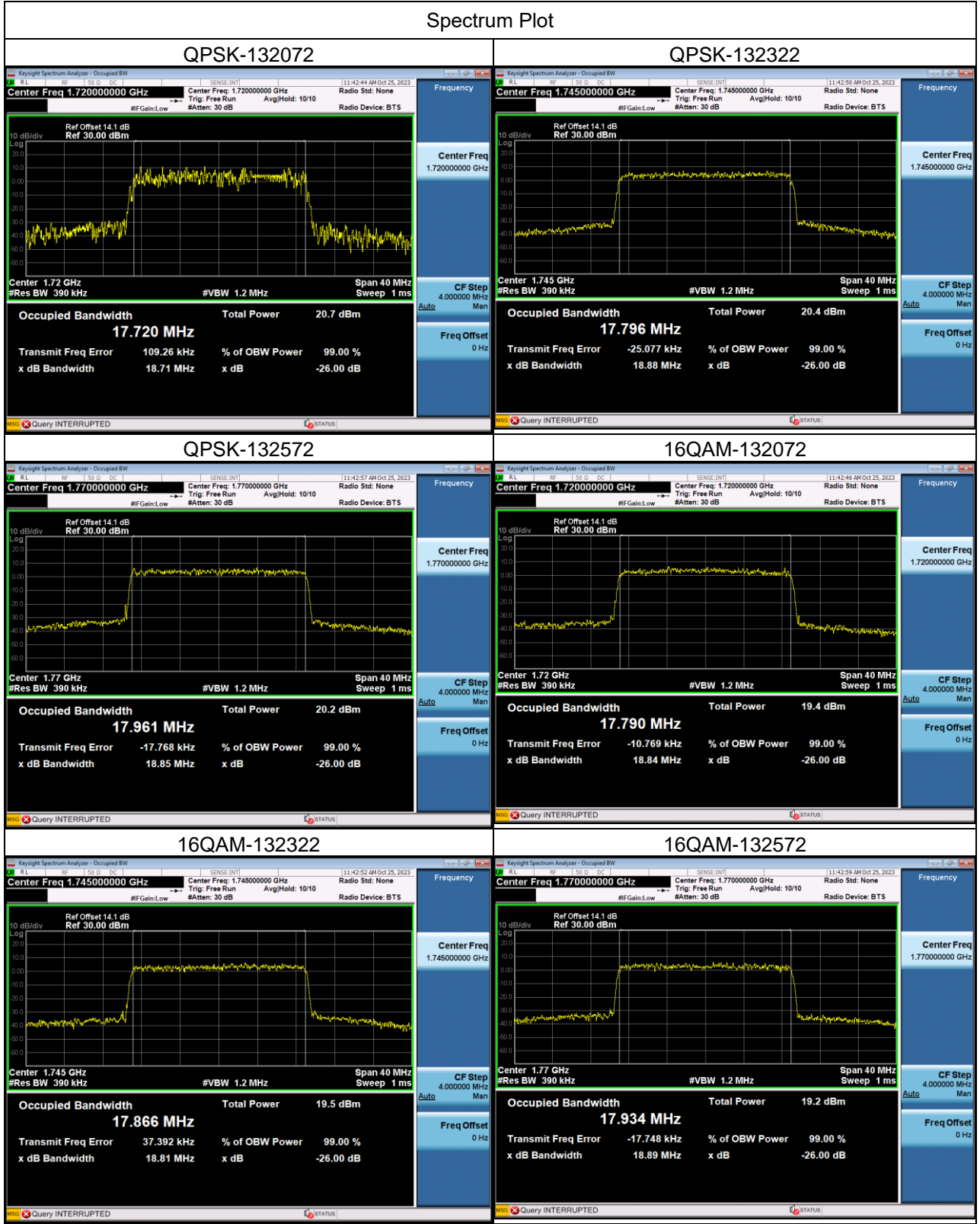


64QAM-132597



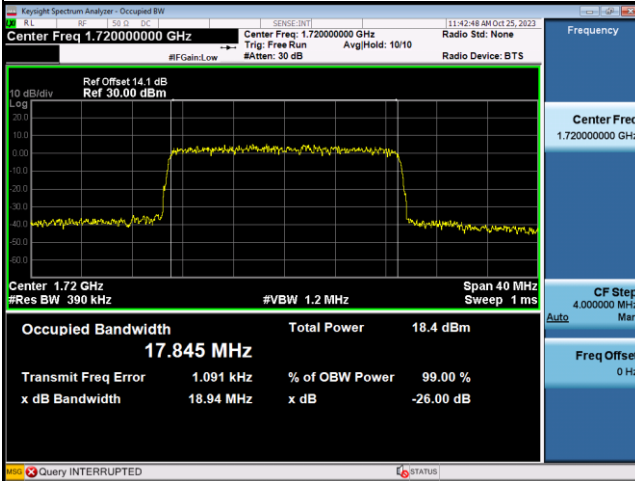
LTE Band 66_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.720	132072	1720	18.71
132322	1745	17.796	132322	1745	18.88
132572	1770	17.961	132572	1770	18.85
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.790	132072	1720	18.84
132322	1745	17.866	132322	1745	18.81
132572	1770	17.934	132572	1770	18.89
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.845	132072	1720	18.94
132322	1745	17.936	132322	1745	18.85
132572	1770	17.903	132572	1770	18.86

Spectrum Plot

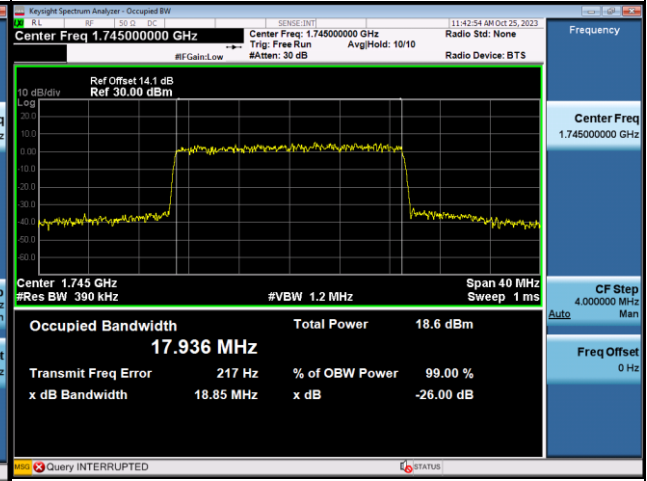


Spectrum Plot

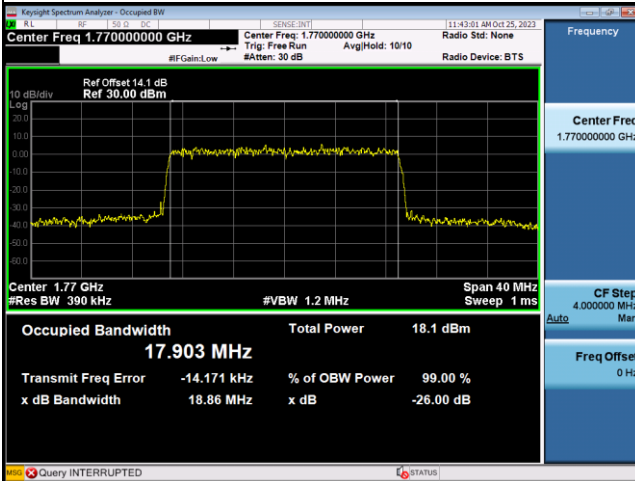
64QAM-132072



64QAM-132322



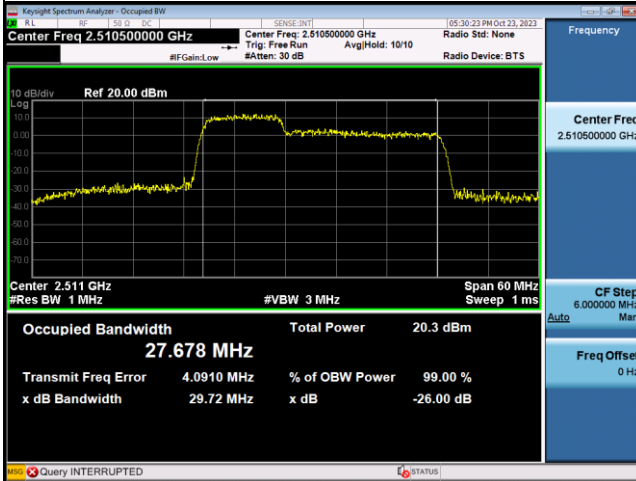
64QAM-132572



LTE Band CA_7C_10MHz+20MHz					
QPSK					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20805	2505.5	20949	2519.9	27.678	29.72
21006	2525.6	21150	2540	27.652	29.71
21206	2545.6	21350	2560	27.815	29.74
16QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20805	2505.5	20949	2519.9	27.750	29.76
21006	2525.6	21150	2540	27.619	29.64
21206	2545.6	21350	2560	27.760	29.77
64QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20805	2505.5	20949	2519.9	27.733	29.75
21006	2525.6	21150	2540	27.663	29.79
21206	2545.6	21350	2560	27.718	29.68

Spectrum Plot

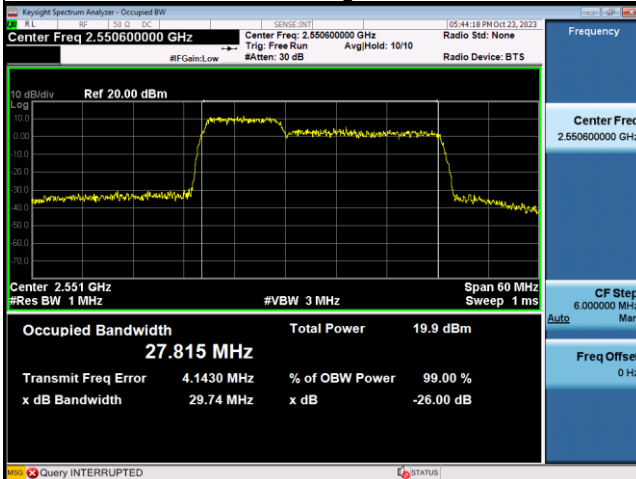
QPSK-Low CH



QPSK-Mid CH



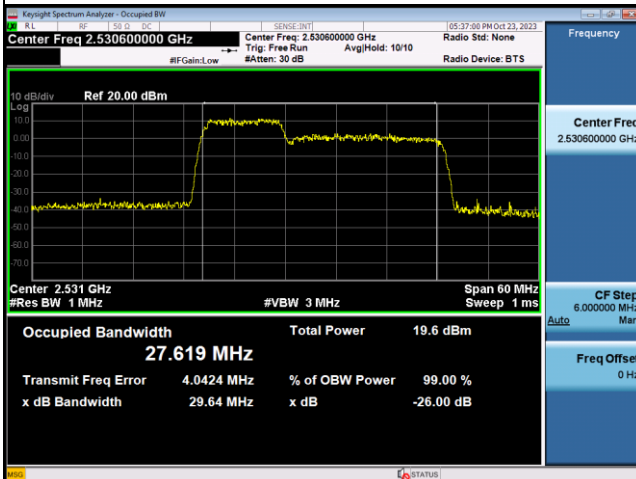
QPSK-High CH



16QAM-Low CH



16QAM-Mid CH

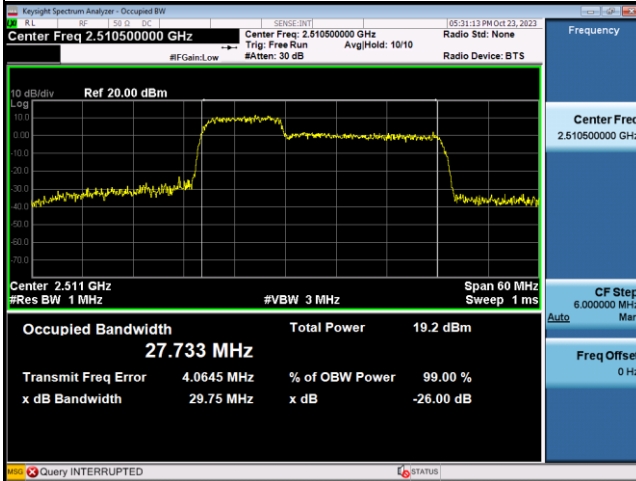


16QAM-High CH

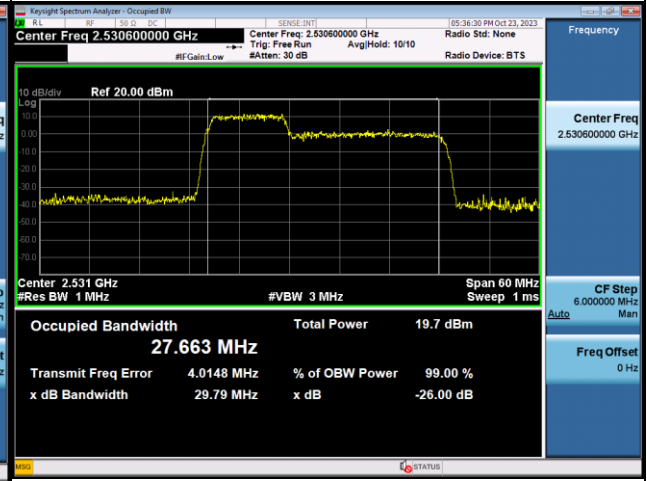


Spectrum Plot

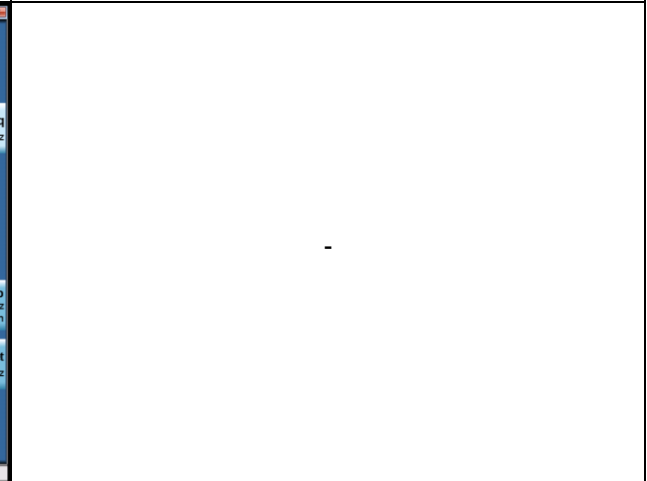
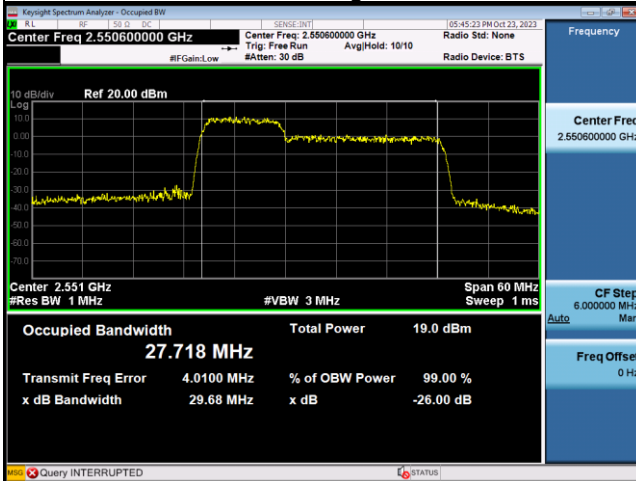
64QAM-Low CH



64QAM-Mid CH



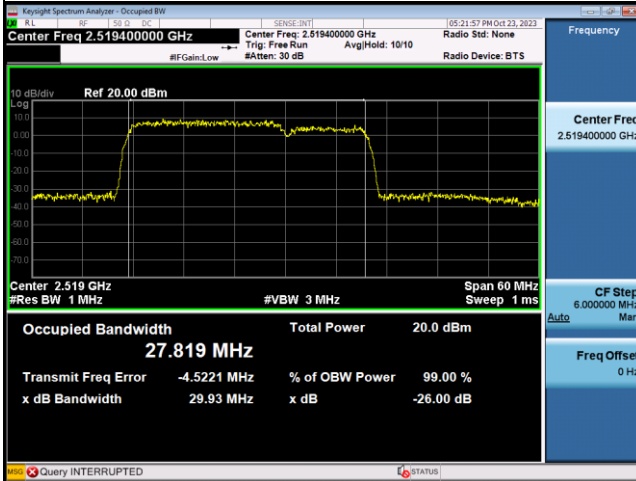
64QAM-High CH



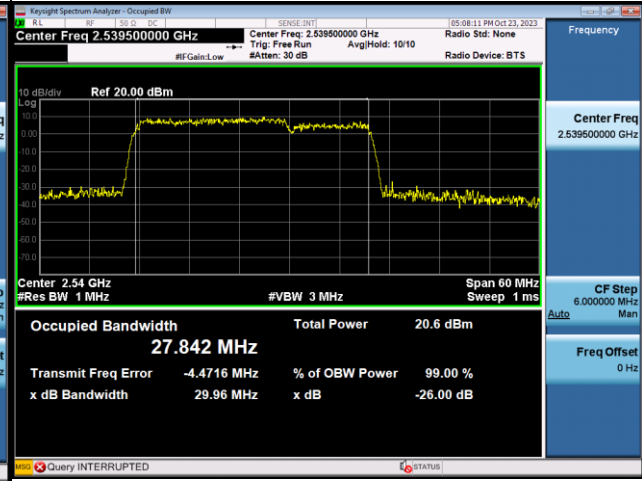
LTE Band CA_7C_20MHz+10MHz					
QPSK					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20850	2510	20994	2524.4	27.819	29.93
21051	2530.1	21195	2544.5	27.842	29.96
21251	2550.1	21395	2564.5	28.037	30.02
16QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20850	2510	20994	2524.4	27.951	29.92
21051	2530.1	21195	2544.5	27.811	29.88
21251	2550.1	21395	2564.5	27.825	29.95
64QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20850	2510	20994	2524.4	27.885	29.93
21051	2530.1	21195	2544.5	27.972	30.07
21251	2550.1	21395	2564.5	28.038	30.01

Spectrum Plot

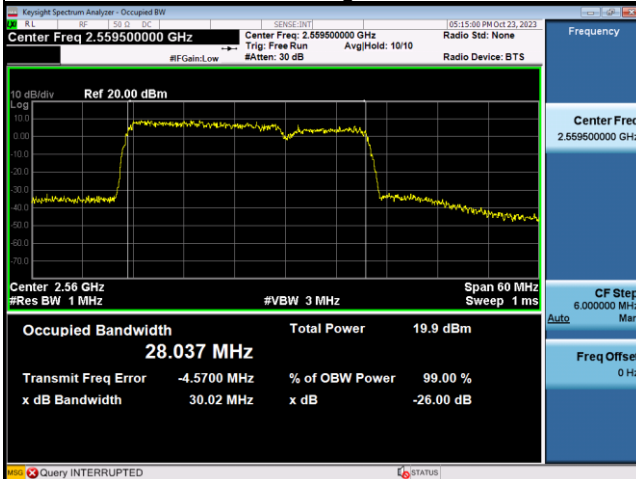
QPSK-Low CH



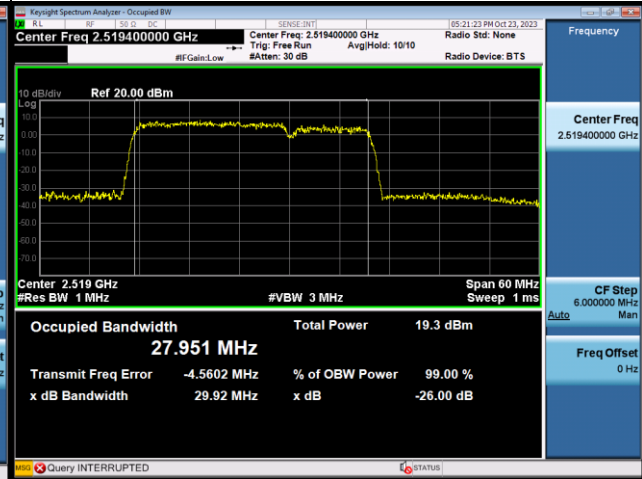
QPSK-Mid CH



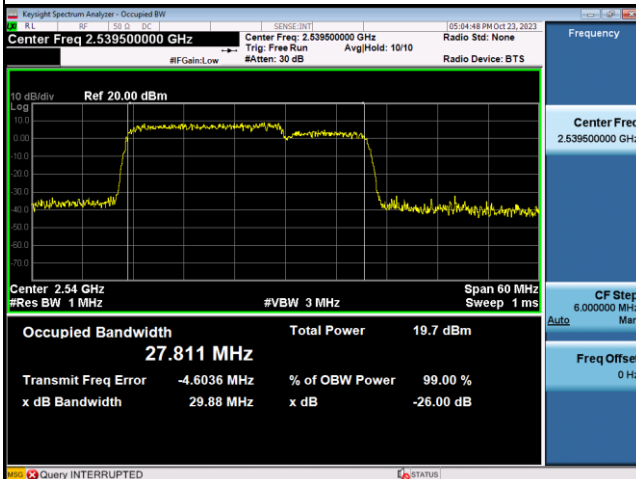
QPSK-High CH



16QAM-Low CH



16QAM-Mid CH

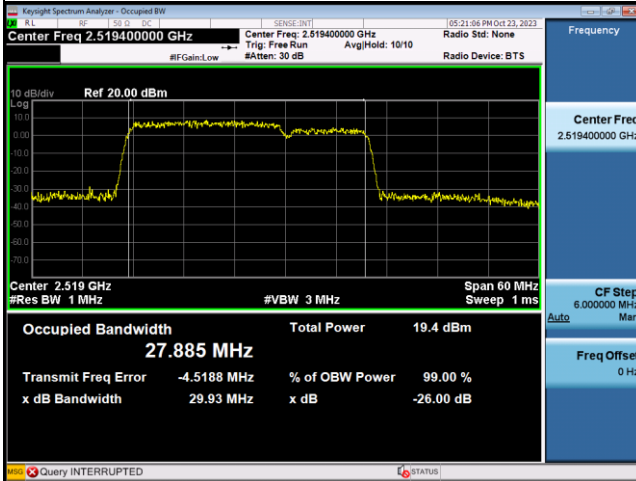


16QAM-High CH

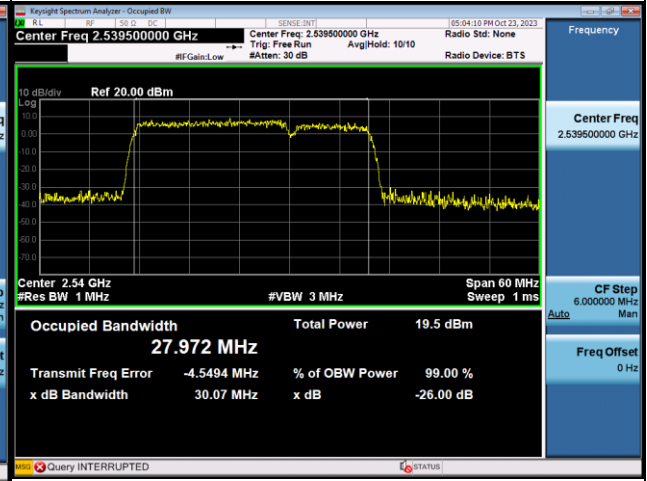


Spectrum Plot

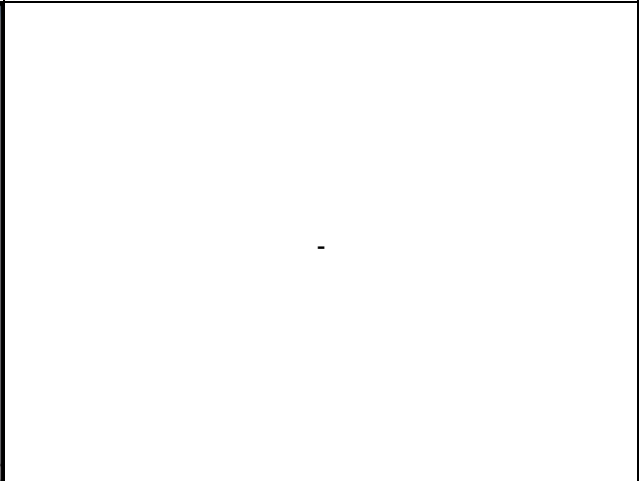
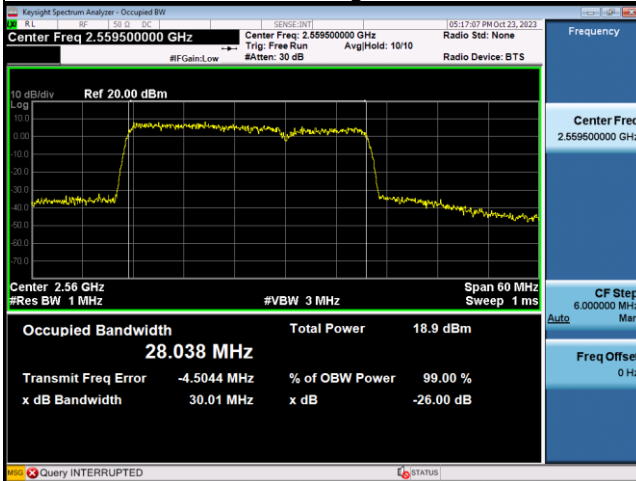
64QAM-Low CH



64QAM-Mid CH



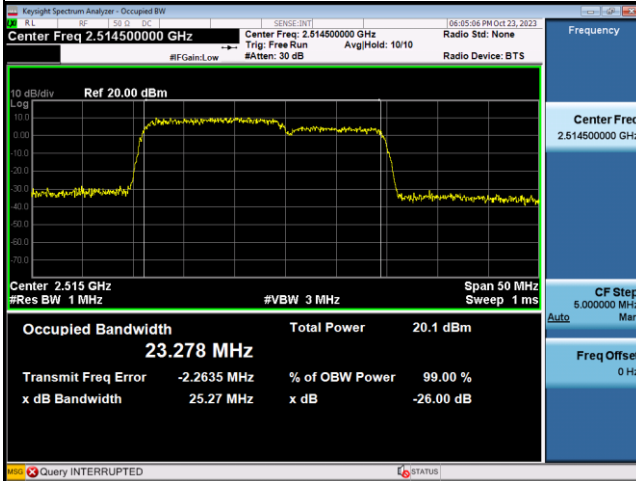
64QAM-High CH



LTE Band CA_7C_15MHz+10MHz					
QPSK					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	20945	2519.5	23.278	25.27
21051	2530.1	21171	2542.1	23.284	25.22
21277	2552.7	21397	2564.7	23.424	25.30
16QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	20945	2519.5	23.381	25.24
21051	2530.1	21171	2542.1	23.492	25.21
21277	2552.7	21397	2564.7	23.479	25.28
64QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	20945	2519.5	23.453	25.21
21051	2530.1	21171	2542.1	23.412	25.28
21277	2552.7	21397	2564.7	23.397	25.29

Spectrum Plot

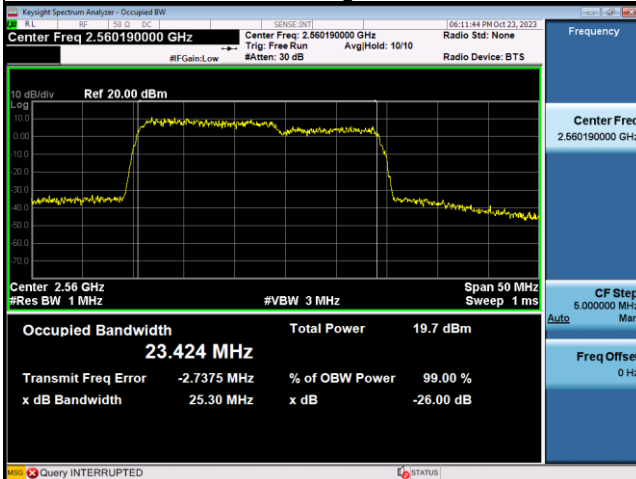
QPSK-Low CH



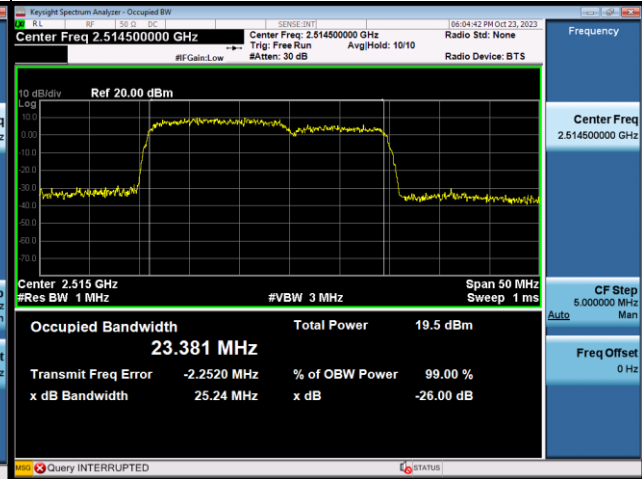
QPSK-Mid CH



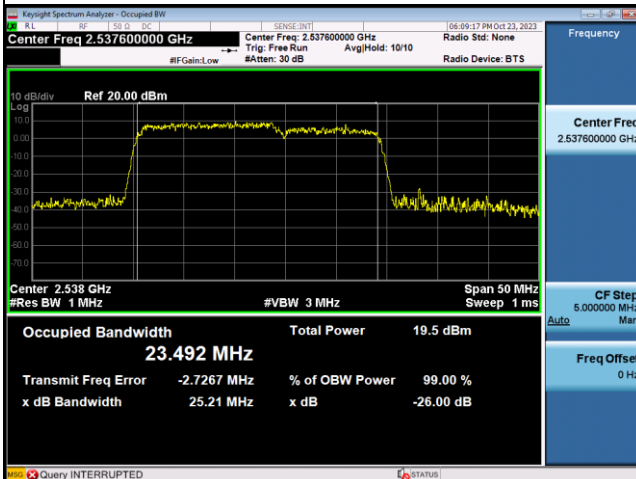
QPSK-High CH



16QAM-Low CH



16QAM-Mid CH

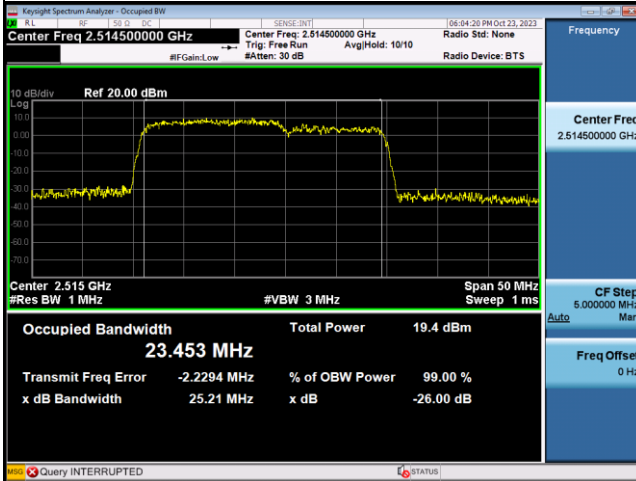


16QAM-High CH

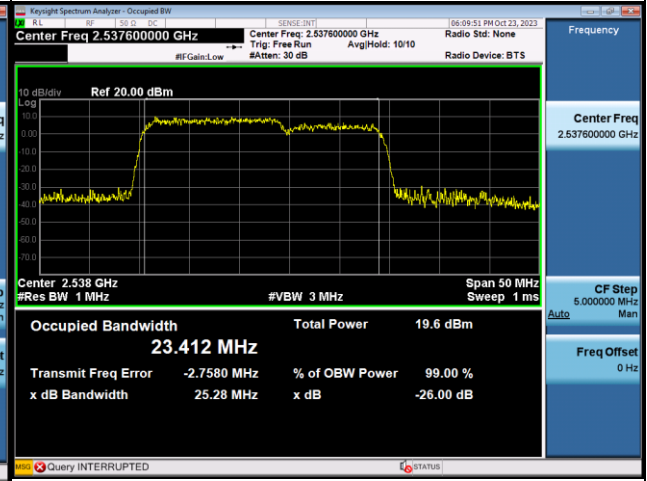


Spectrum Plot

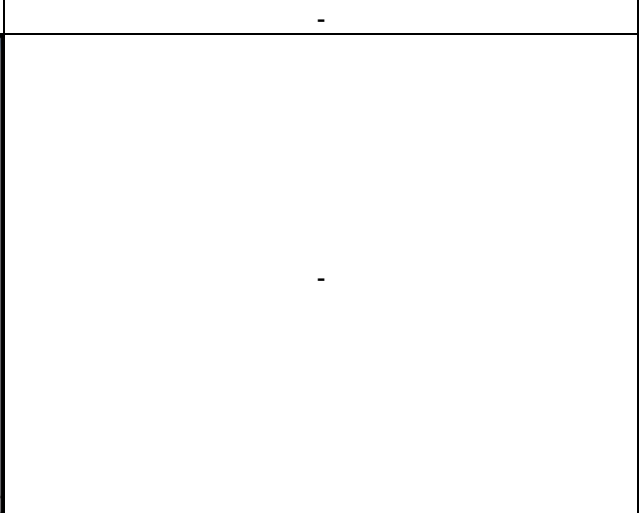
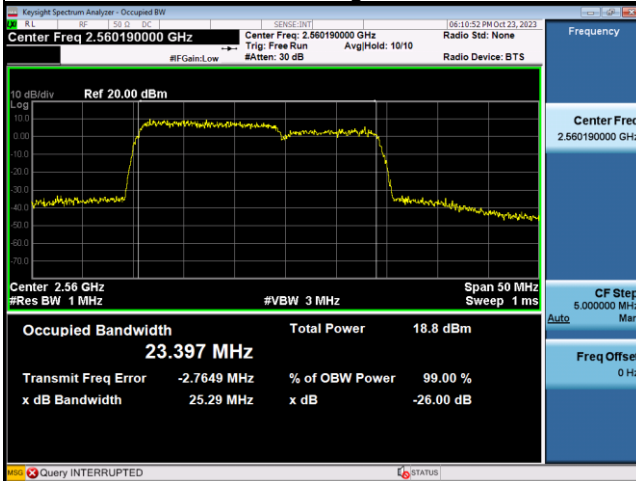
64QAM-Low CH



64QAM-Mid CH



64QAM-High CH



LTE Band CA_7C_15MHz+15MHz					
QPSK					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	20975	2522.5	28.462	30.33
21025	2527.5	21175	2542.5	28.421	30.39
21225	2547.5	21375	2562.5	28.510	30.57
16QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	20975	2522.5	28.381	30.41
21025	2527.5	21175	2542.5	28.283	30.35
21225	2547.5	21375	2562.5	28.283	30.37
64QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20825	2507.5	20975	2522.5	28.416	30.40
21025	2527.5	21175	2542.5	28.445	30.56
21225	2547.5	21375	2562.5	28.523	30.51