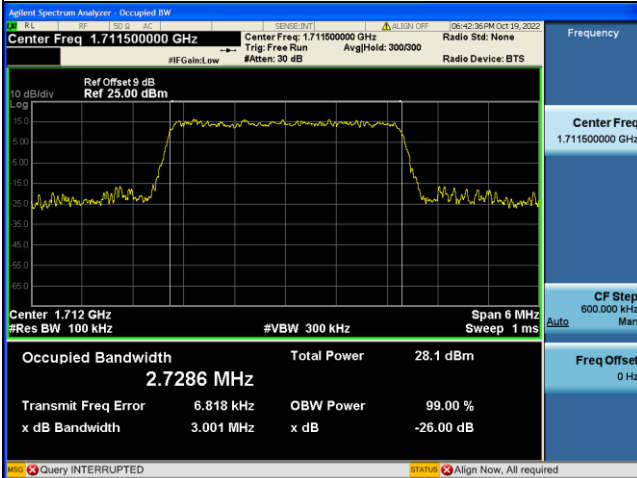
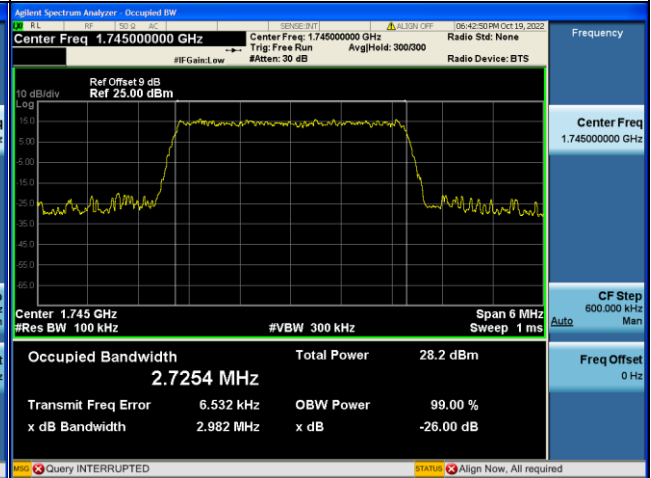


## Spectrum Plot

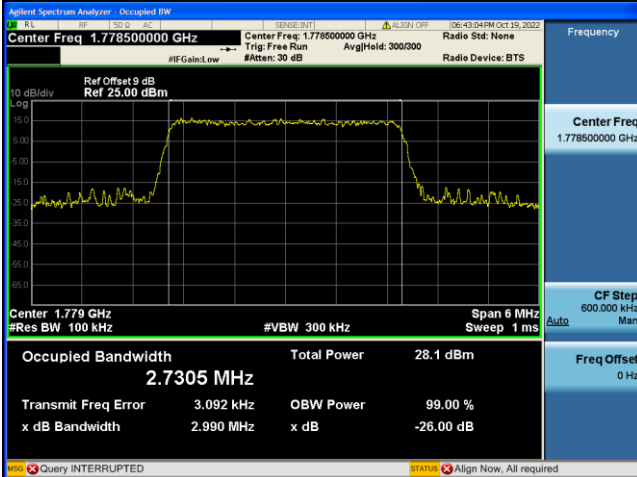
### QPSK-131987



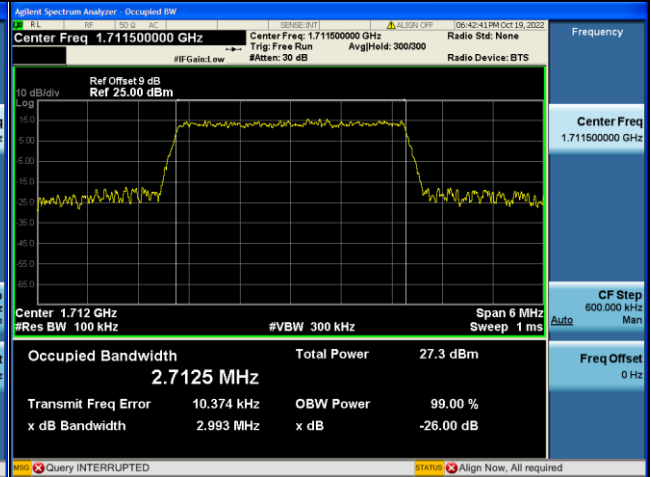
### QPSK-132322



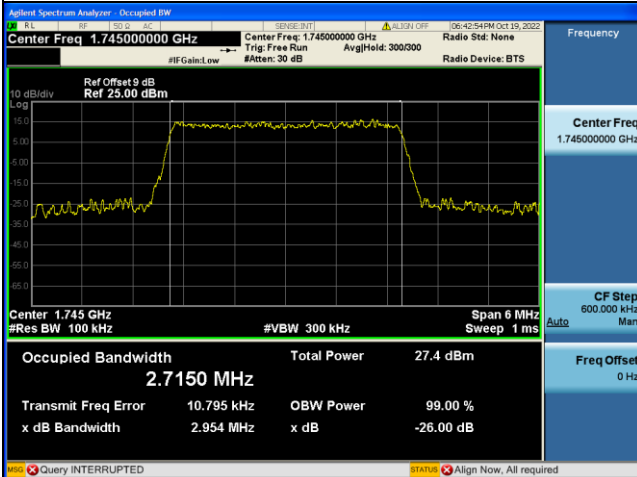
### QPSK-132657



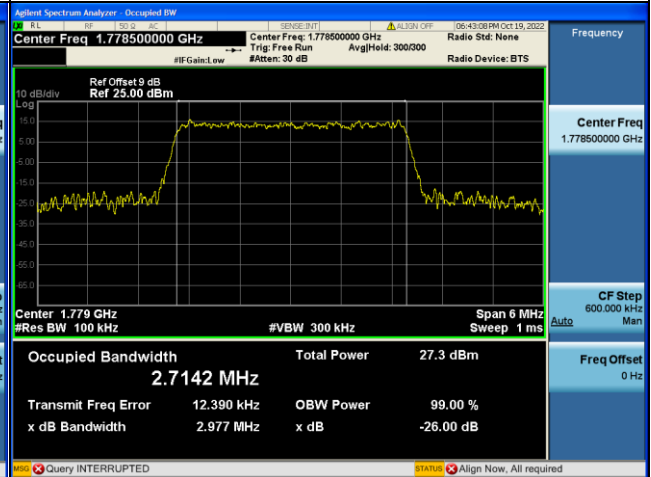
### 16QAM-131987



### 16QAM-132322

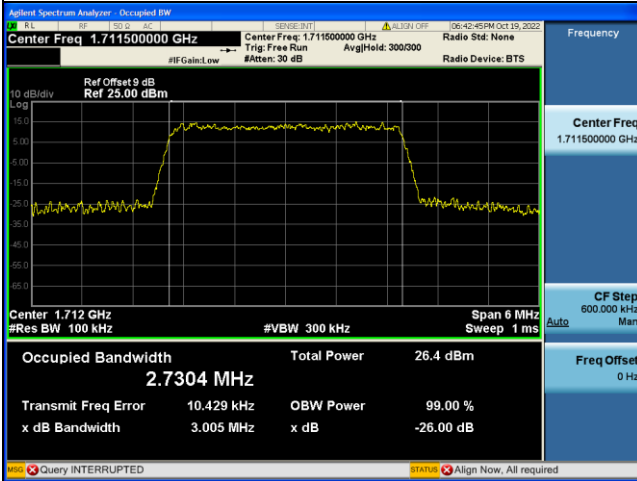


### 16QAM-132657

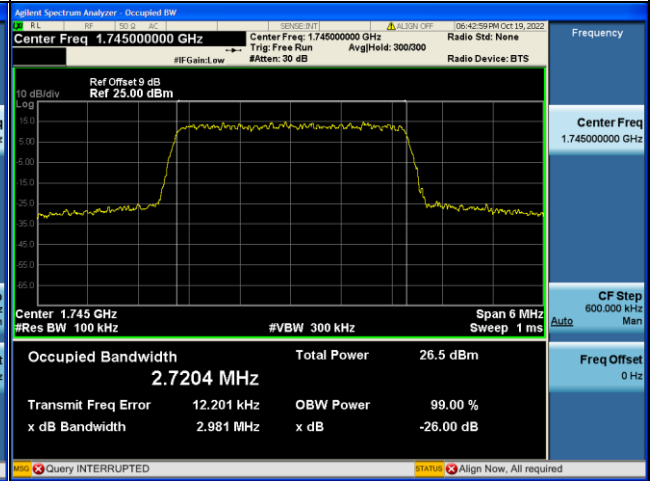


## Spectrum Plot

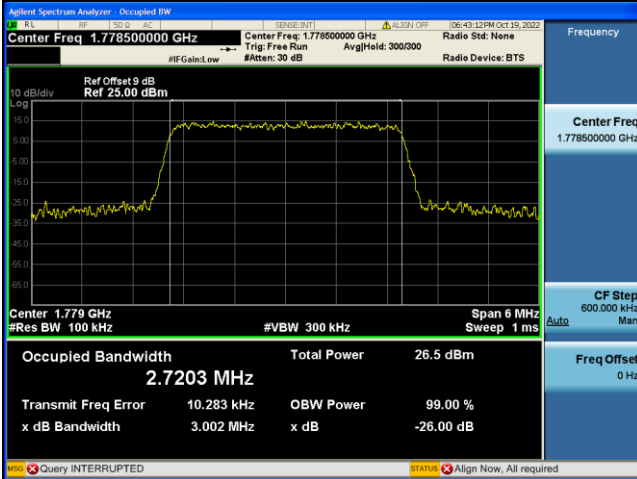
### 64QAM-131987



### 64QAM-132322

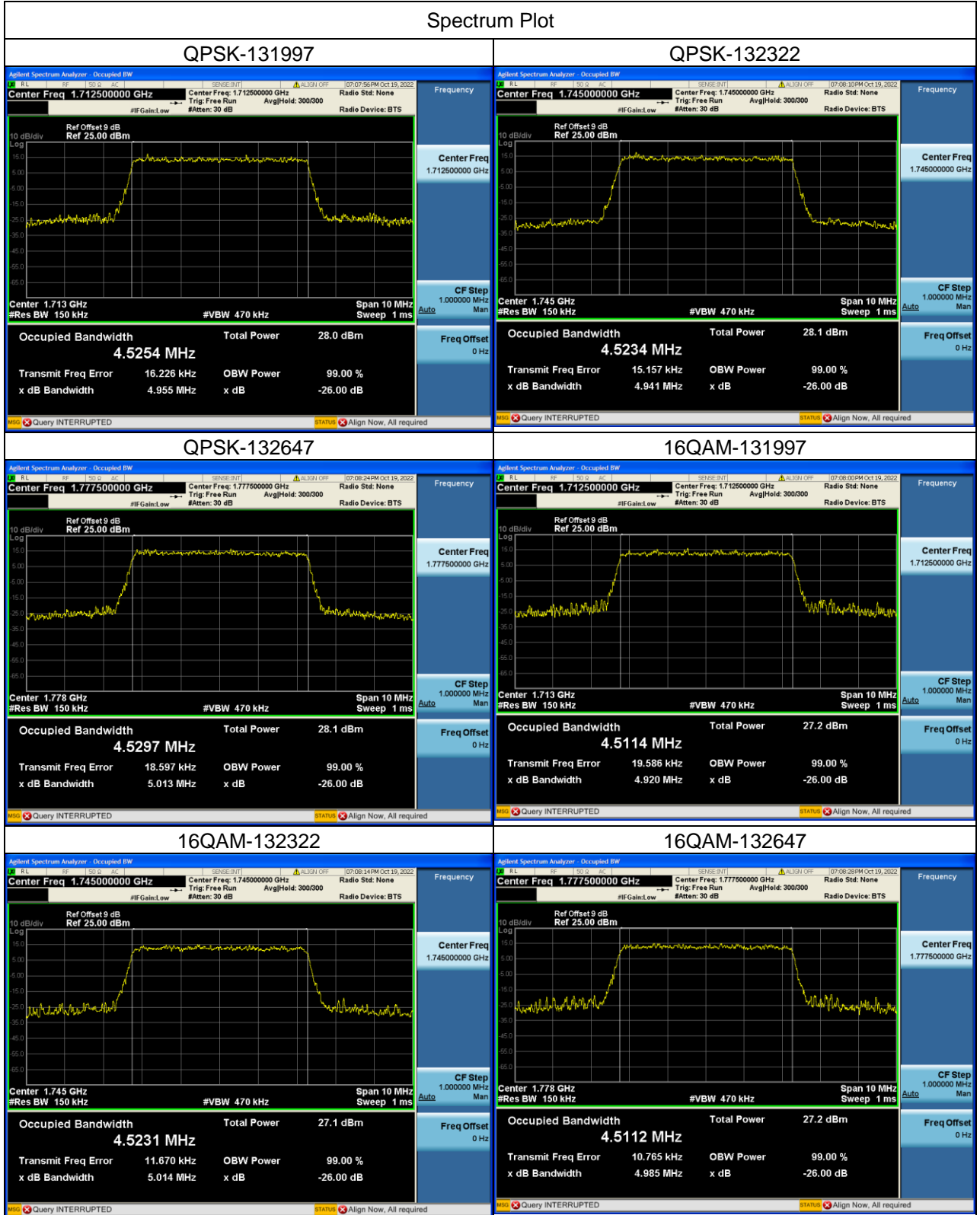


### 64QAM-132657



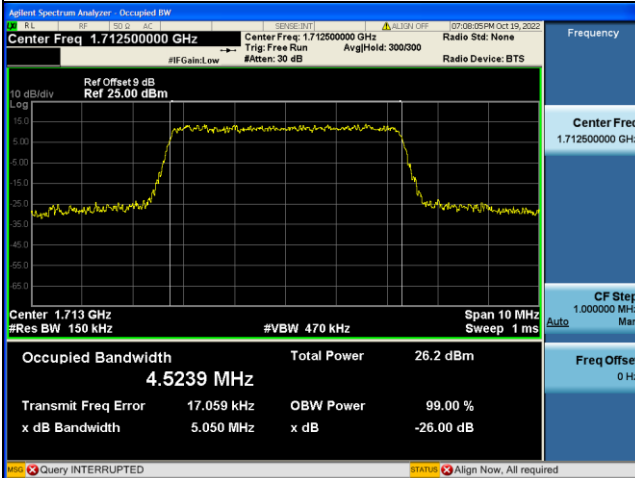
LTE Band 66_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5254	131997	1712.5	4.955
132322	1745	4.5234	132322	1745	4.941
132647	1777.5	4.5297	132647	1777.5	5.013
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5114	131997	1712.5	4.920
132322	1745	4.5231	132322	1745	5.014
132647	1777.5	4.5112	132647	1777.5	4.985
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5239	131997	1712.5	5.050
132322	1745	4.5194	132322	1745	4.977
132647	1777.5	4.5228	132647	1777.5	4.956

## Spectrum Plot

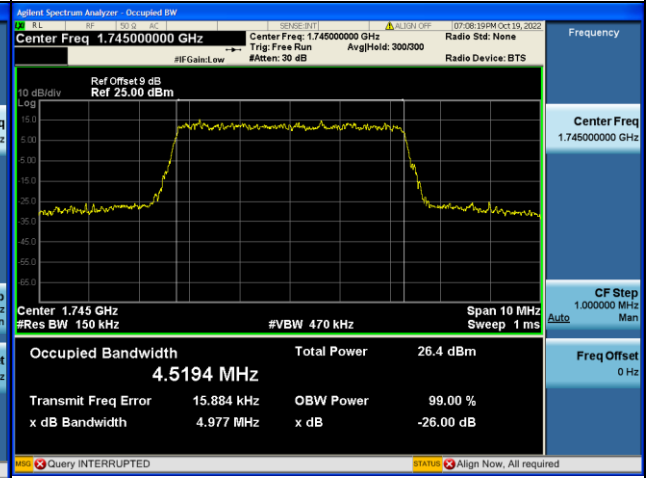


## Spectrum Plot

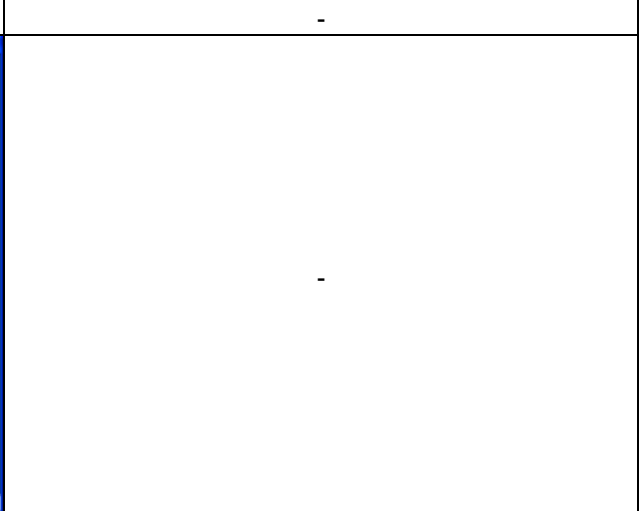
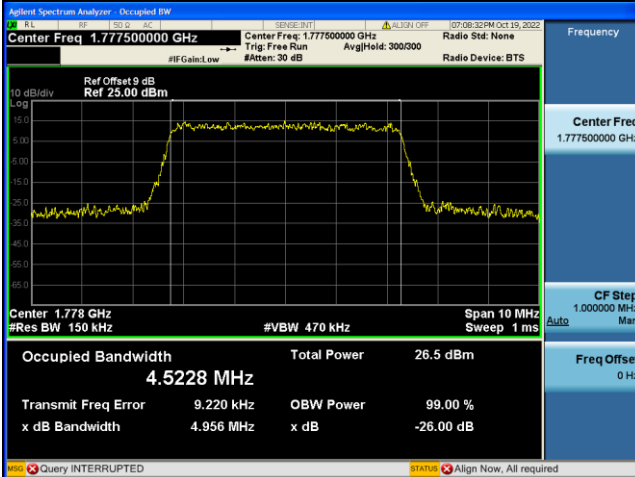
### 64QAM-131997



### 64QAM-132322



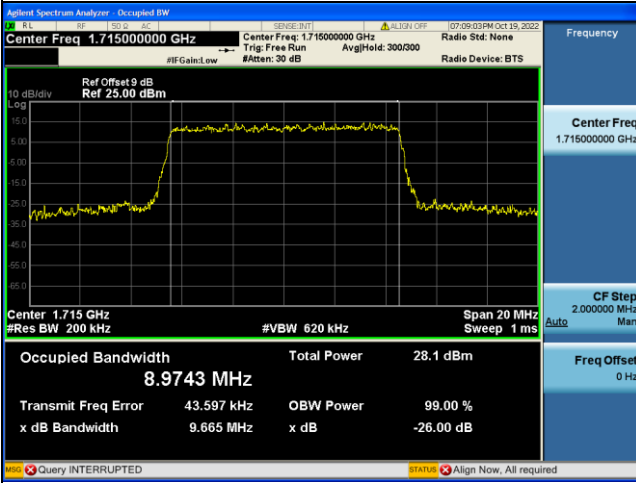
### 64QAM-132647



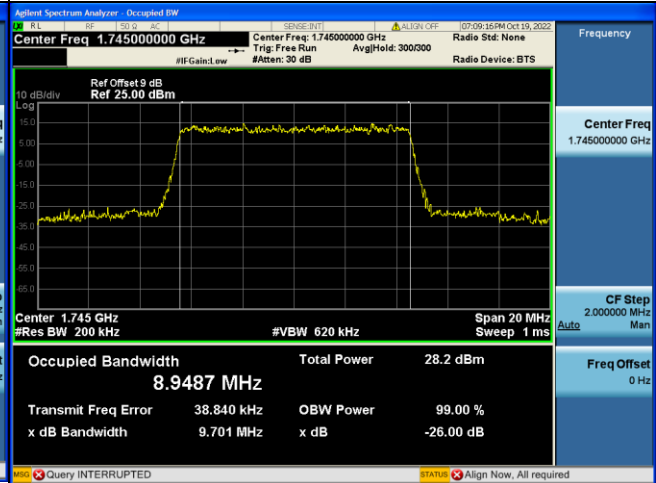
LTE Band 66_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9743	132022	1715	9.665
132322	1745	8.9487	132322	1745	9.701
132622	1775	9.0076	132622	1775	9.700
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9775	132022	1715	9.775
132322	1745	8.9866	132322	1745	9.669
132622	1775	8.9853	132622	1775	9.689
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9657	132022	1715	9.759
132322	1745	8.9877	132322	1745	9.727
132622	1775	8.9863	132622	1775	9.829

## Spectrum Plot

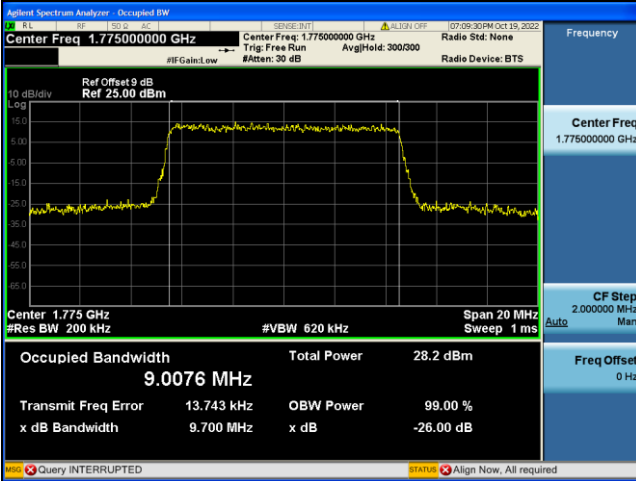
### QPSK-132022



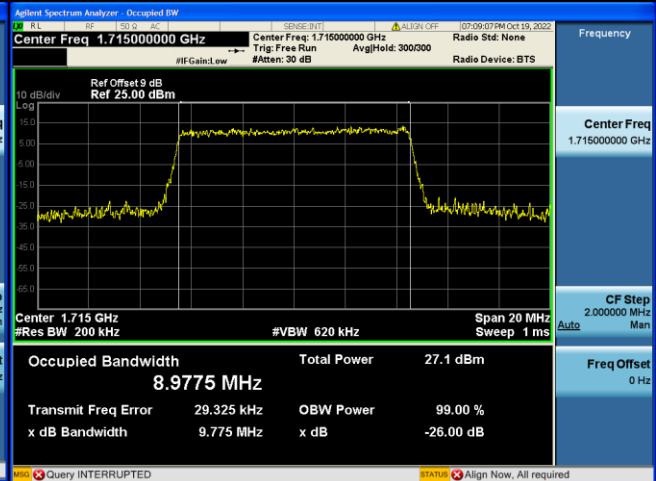
### QPSK-132322



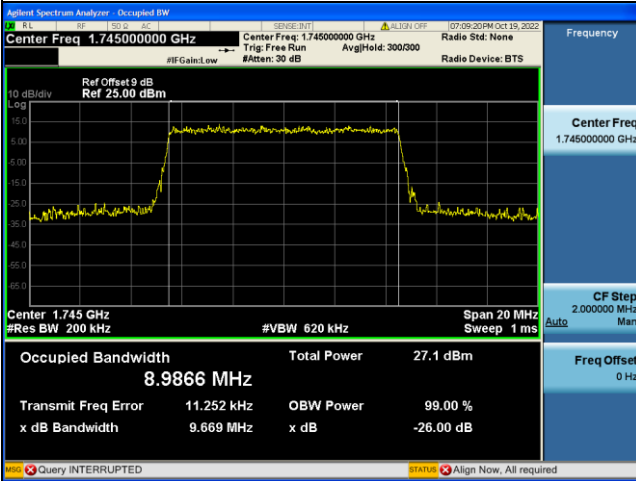
### QPSK-132622



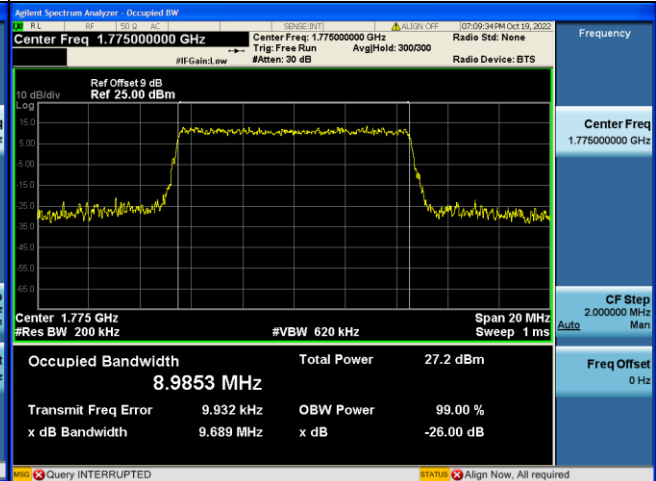
### 16QAM-132022



### 16QAM-132322

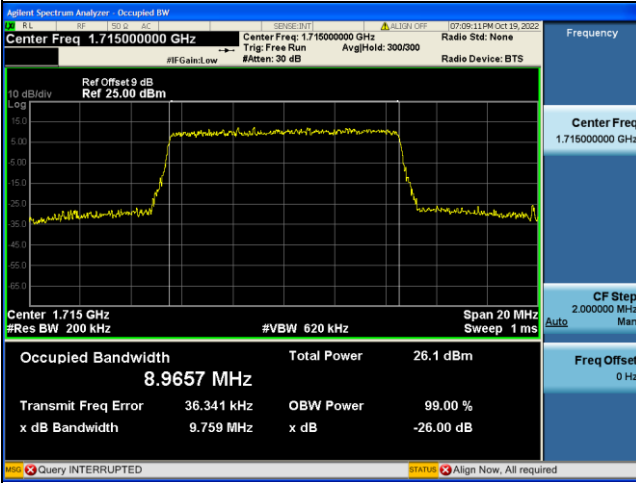


### 16QAM-132622

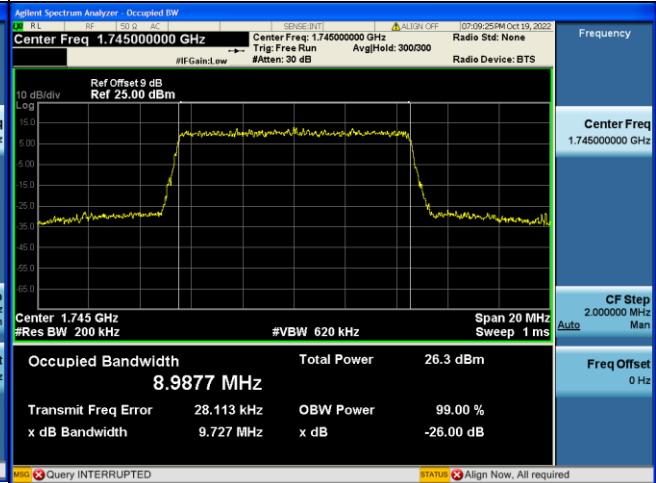


## Spectrum Plot

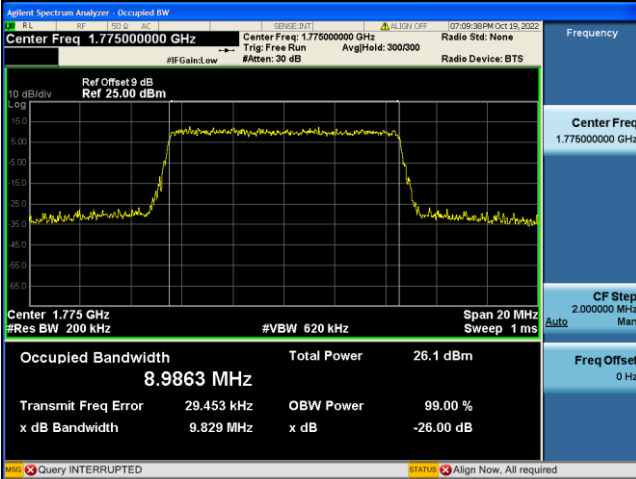
### 64QAM-132022



### 64QAM-132322



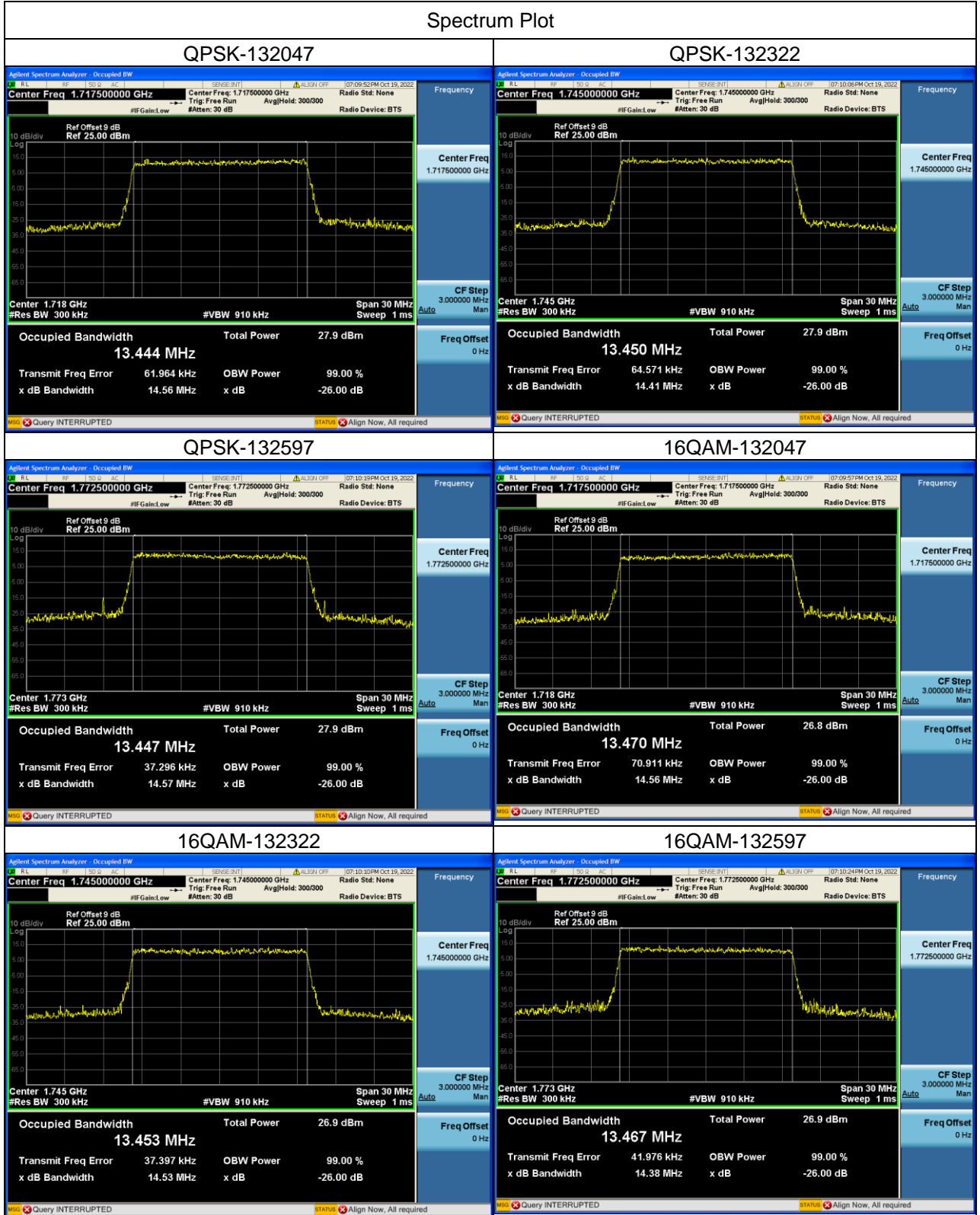
### 64QAM-132622





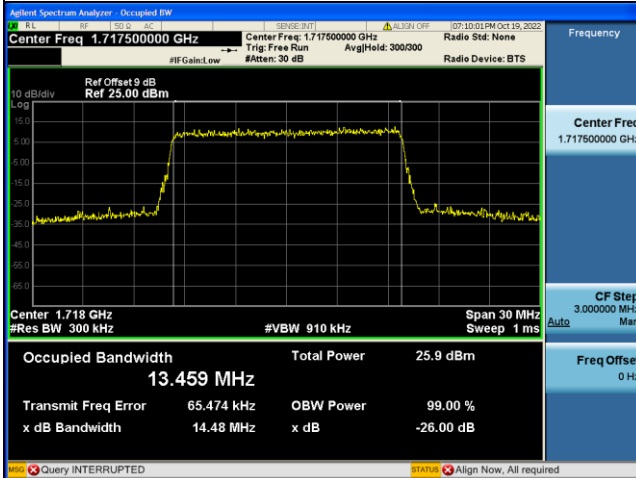
LTE Band 66_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.444	132047	1717.5	14.56
132322	1745	13.450	132322	1745	14.41
132597	1772.5	13.447	132597	1772.5	14.57
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.470	132047	1717.5	14.56
132322	1745	13.453	132322	1745	14.53
132597	1772.5	13.467	132597	1772.5	14.38
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.459	132047	1717.5	14.48
132322	1745	13.486	132322	1745	14.48
132597	1772.5	13.463	132597	1772.5	14.51

## Spectrum Plot

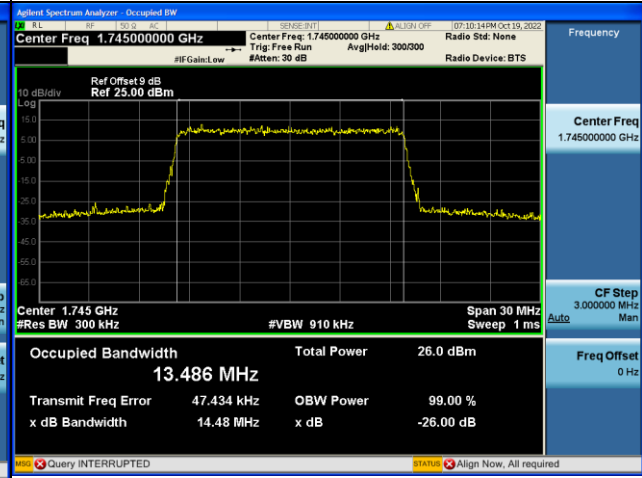


## Spectrum Plot

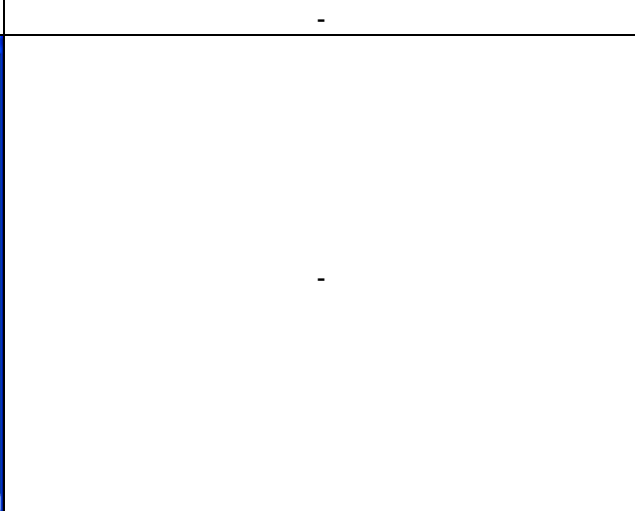
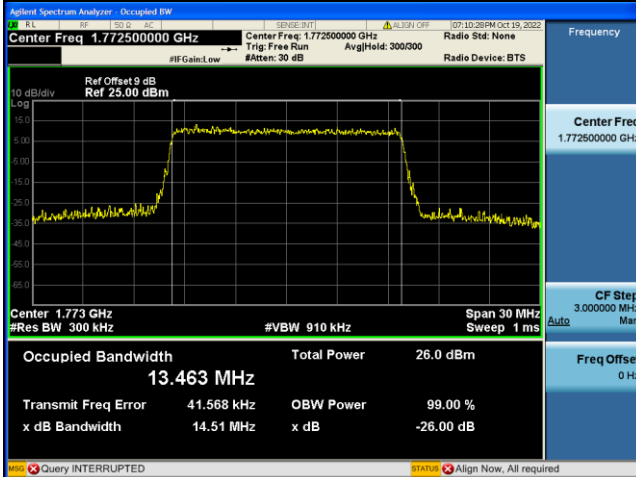
### 64QAM-132047



### 64QAM-132322

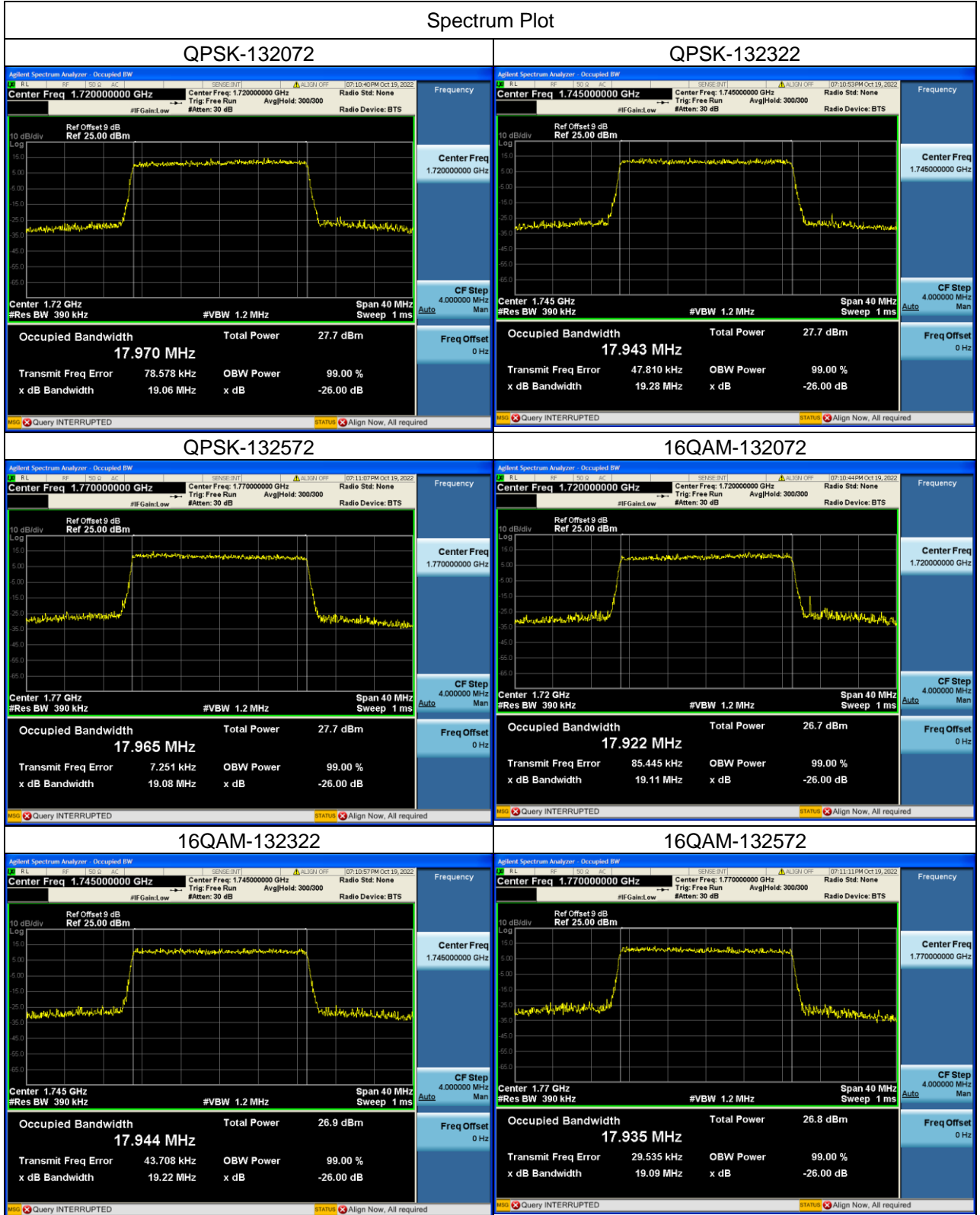


### 64QAM-132597

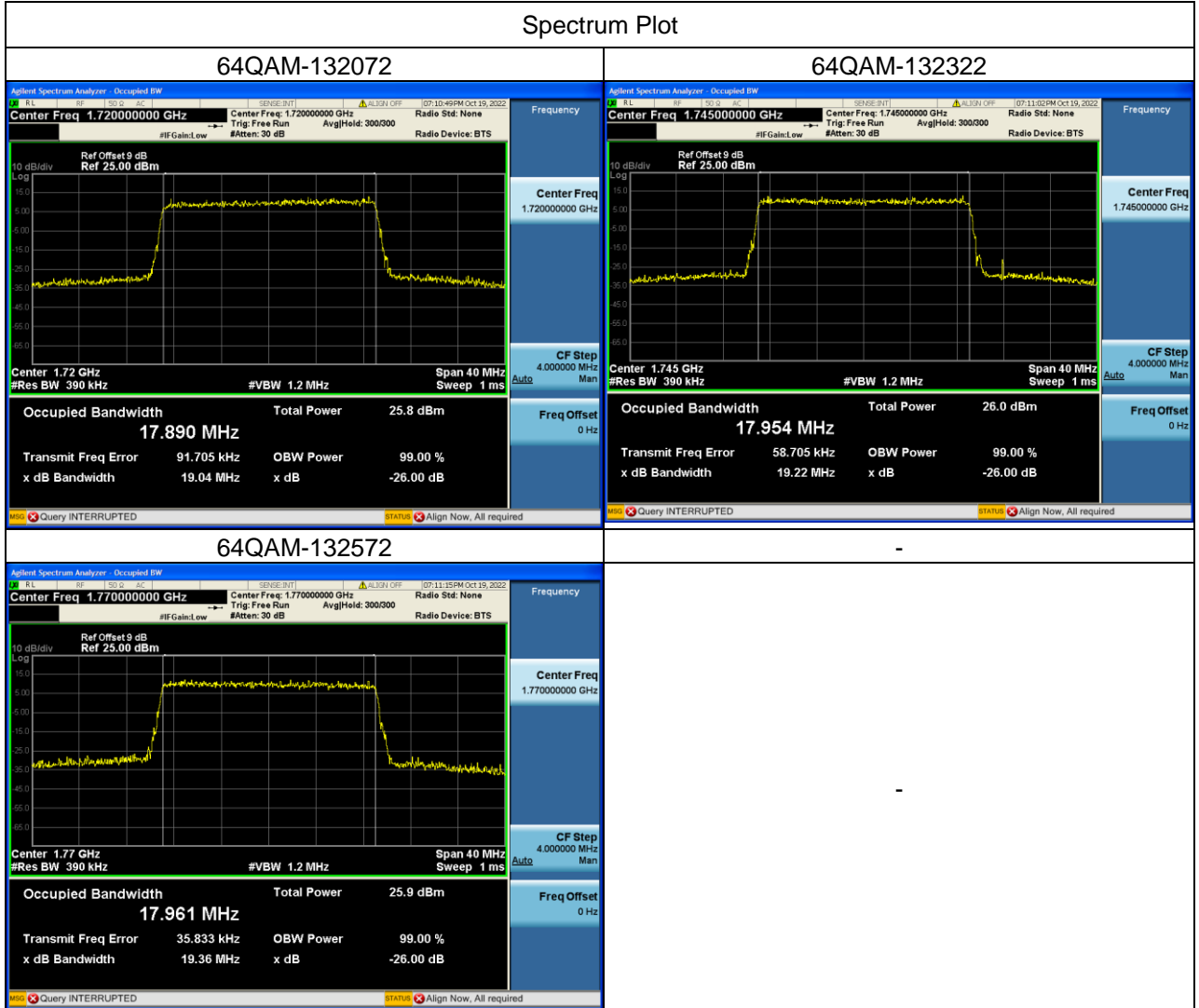


LTE Band 66_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.970	132072	1720	19.06
132322	1745	17.943	132322	1745	19.28
132572	1770	17.965	132572	1770	19.08
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.922	132072	1720	19.11
132322	1745	17.944	132322	1745	19.22
132572	1770	17.935	132572	1770	19.09
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.890	132072	1720	19.04
132322	1745	17.954	132322	1745	19.22
132572	1770	17.961	132572	1770	19.36

## Spectrum Plot

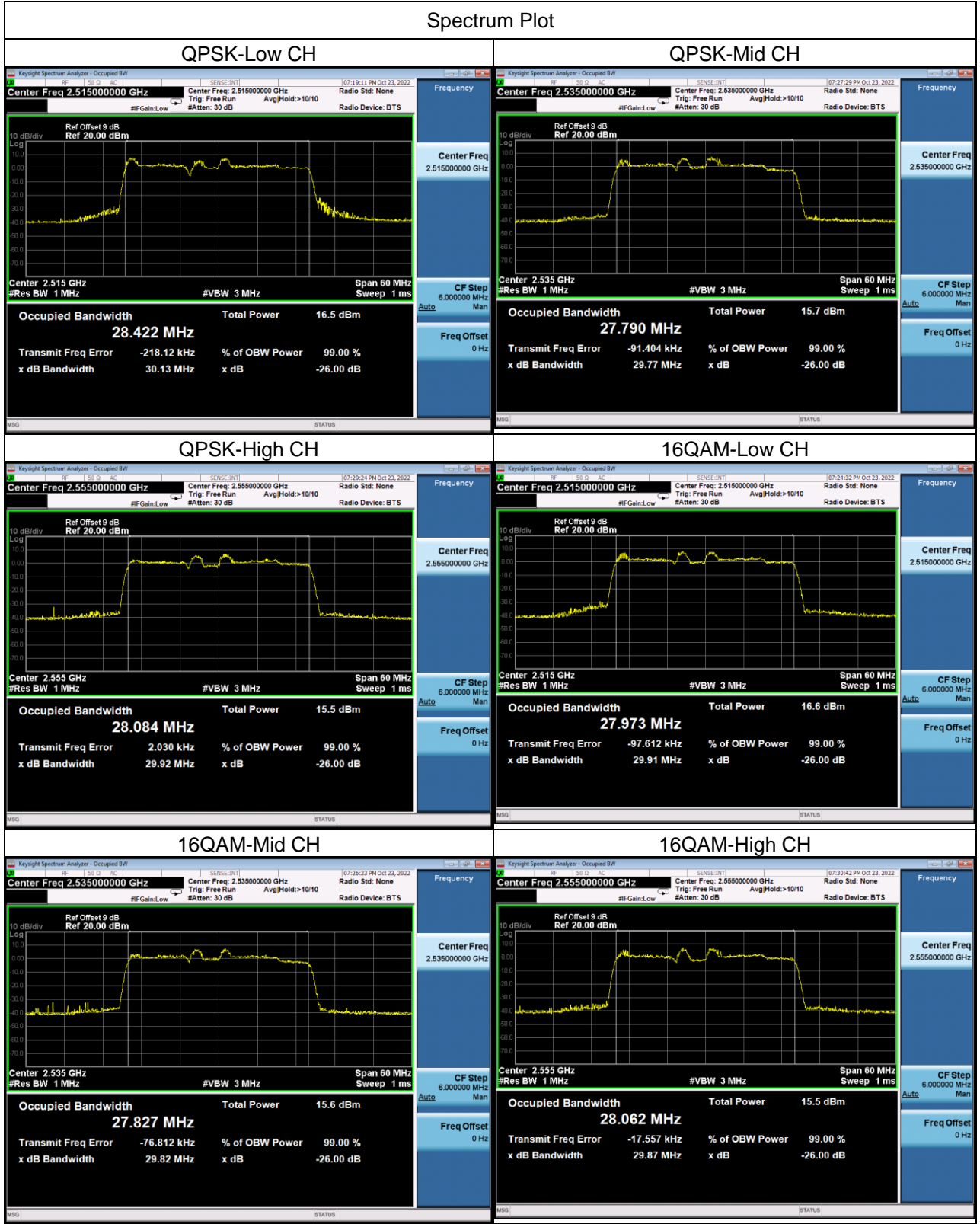


## Spectrum Plot



LTE 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	28.422	30.13
21006	2525.6	21150	2540	27.790	29.77
21206	2545.6	21350	2560	28.084	29.92
16QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20805	2505.5	20949	2519.9	27.973	29.91
21006	2525.6	21150	2540	27.827	29.82
21206	2545.6	21350	2560	28.062	29.87
64QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20805	2505.5	20949	2519.9	28.070	29.90
21006	2525.6	21150	2540	28.187	29.99
21206	2545.6	21350	2560	28.395	30.06

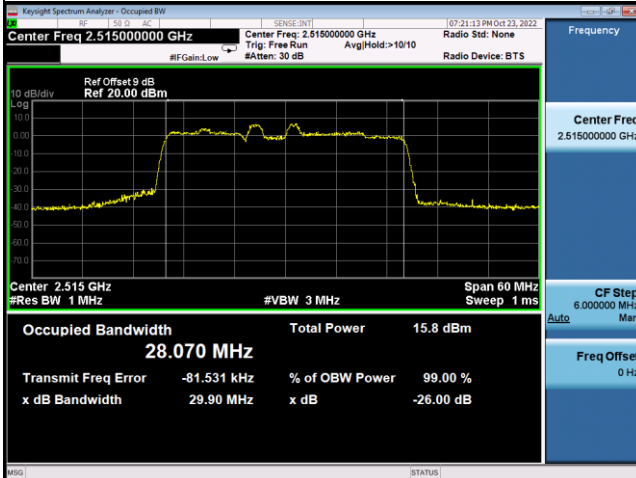
## Spectrum Plot



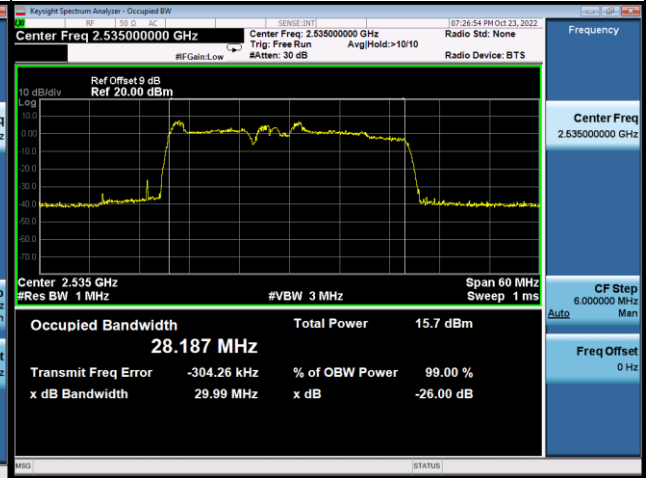


## Spectrum Plot

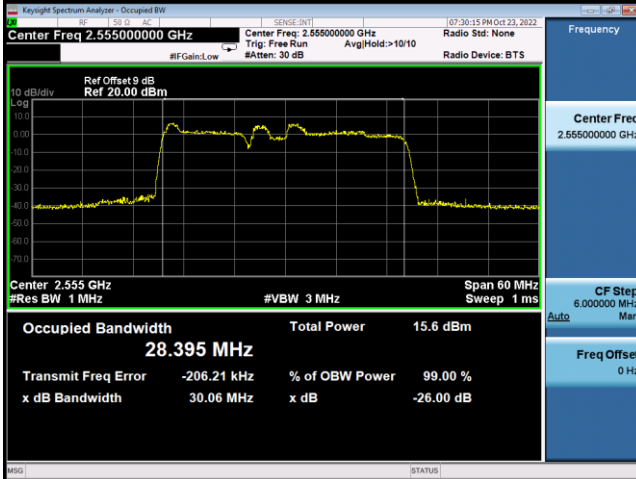
### 64QAM-Low CH



### 64QAM-Mid CH



### 64QAM-High CH



LTE 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	28.135	29.89
21051	2530.1	21195	2544.5	28.419	30.11
21251	2550.1	21395	2564.5	28.090	29.95
16QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20850	2510	20994	2524.4	28.084	29.89
21051	2530.1	21195	2544.5	28.391	30.07
21251	2550.1	21395	2564.5	28.083	29.93
64QAM					
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
20850	2510	20994	2524.4	28.552	30.33
21051	2530.1	21195	2544.5	27.976	29.82
21251	2550.1	21395	2564.5	28.449	30.15

## Spectrum Plot

