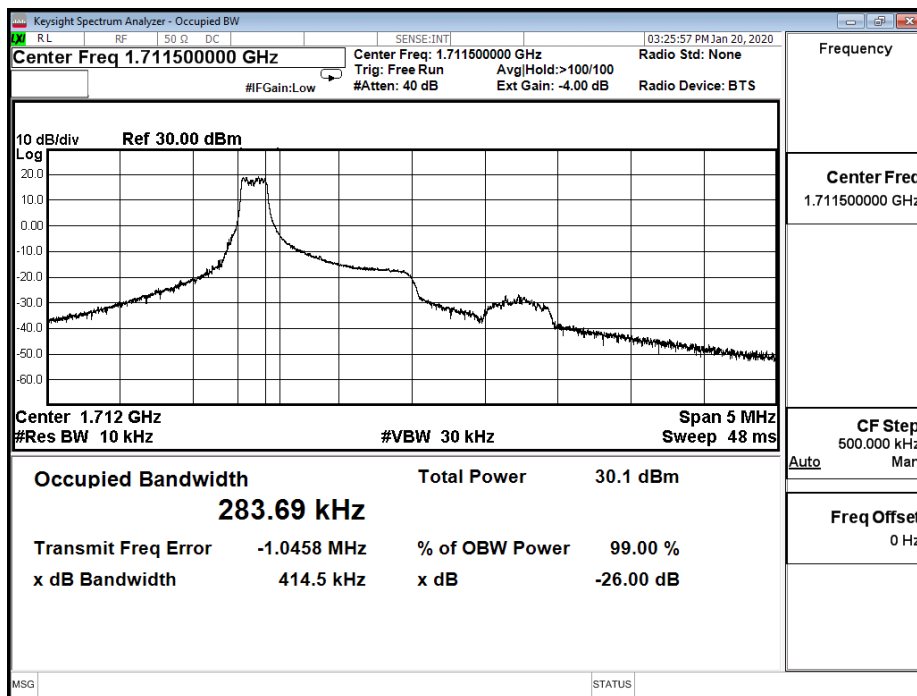
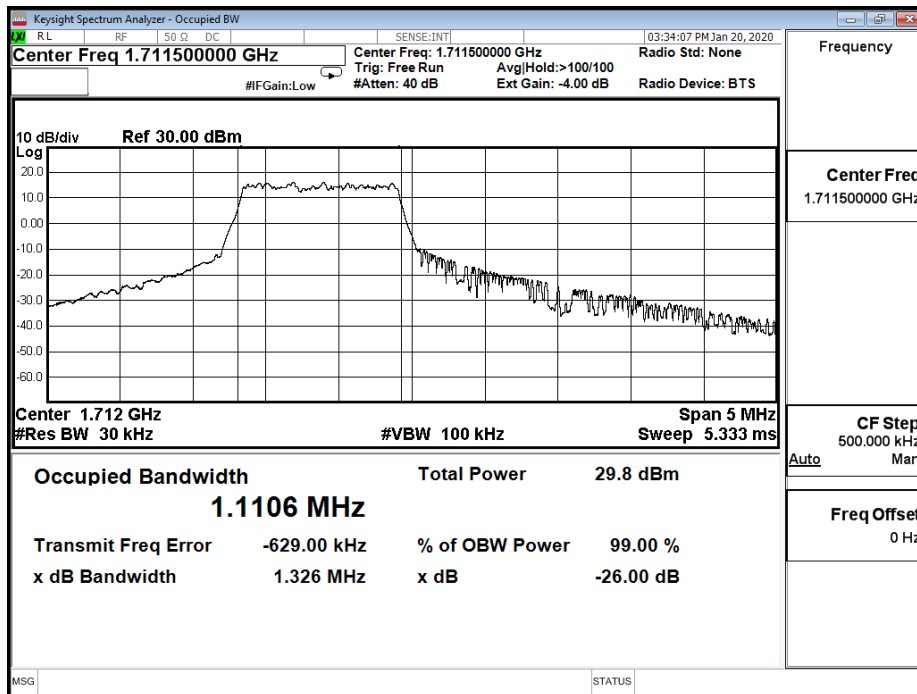


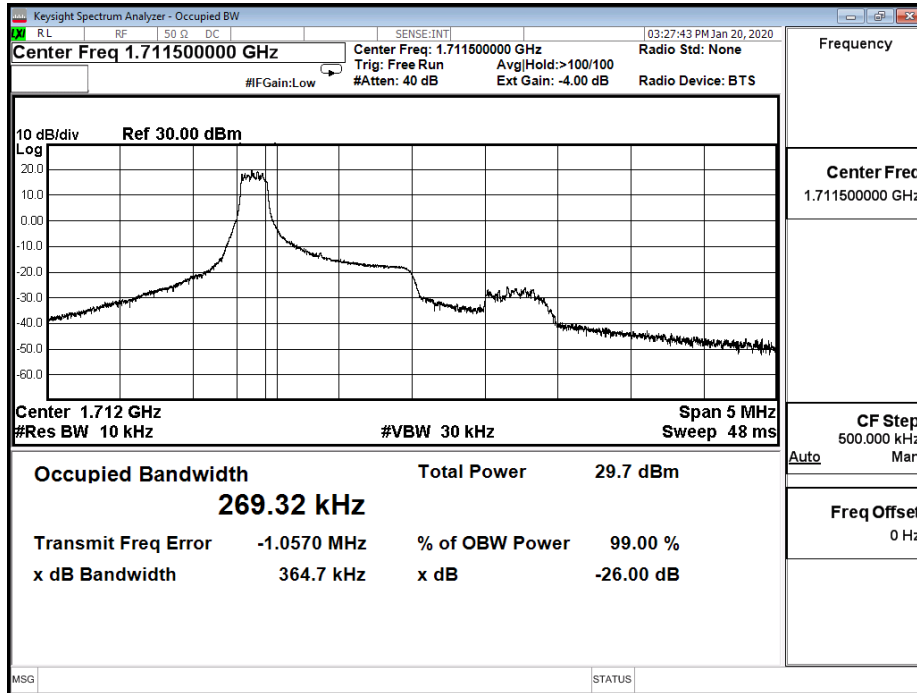
B66\_CH131987\_3M\_QPSK\_1RB0



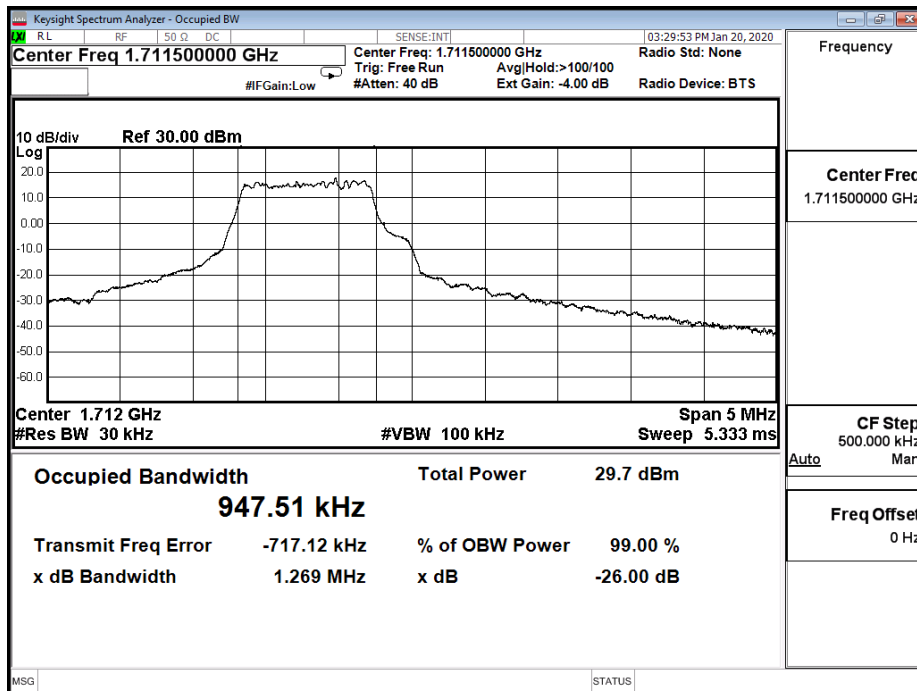
B66\_CH131987\_3M\_QPSK\_6RB0



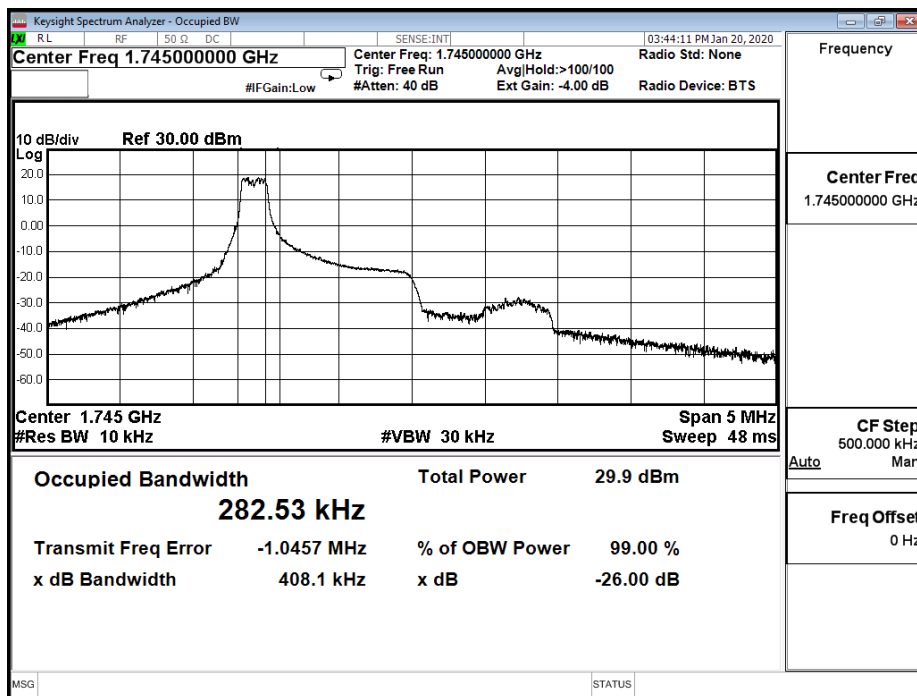
B66\_CH131987\_3M\_16-QAM\_1RB0



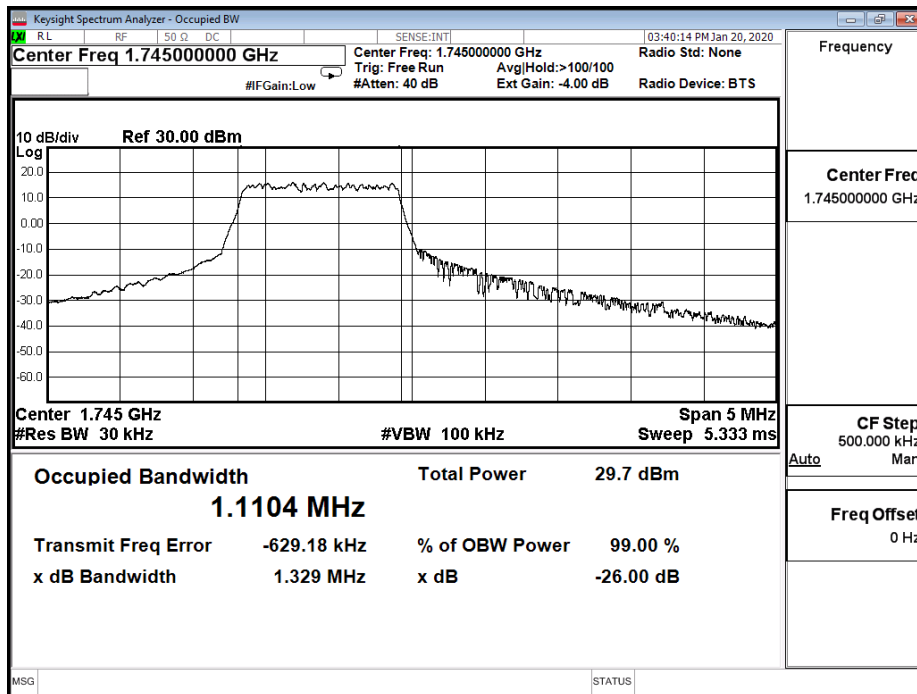
B66\_CH131987\_3M\_16-QAM\_5RB0



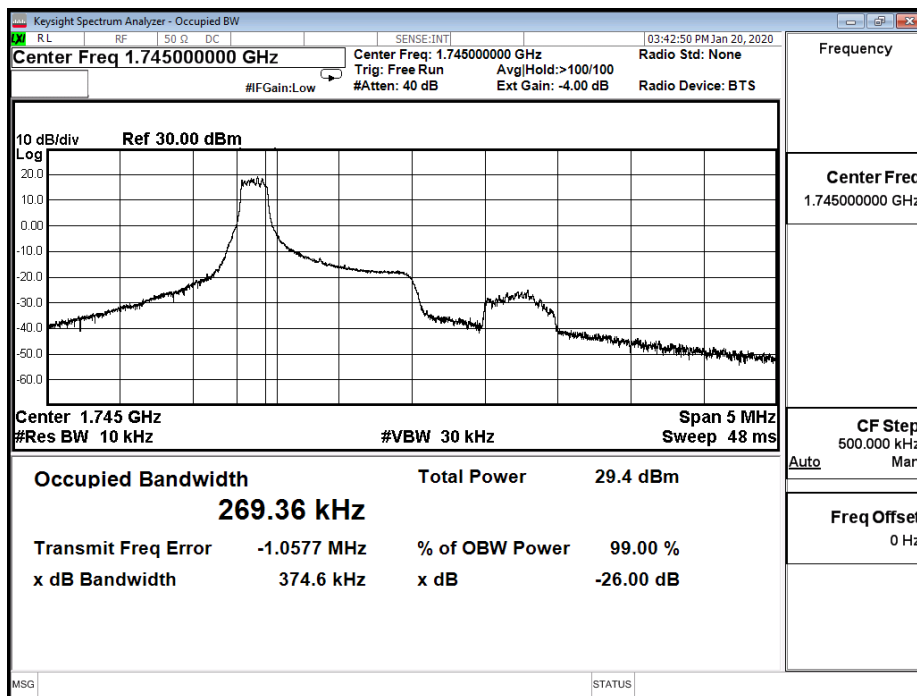
B66\_CH132322\_3M\_QPSK\_1RB0



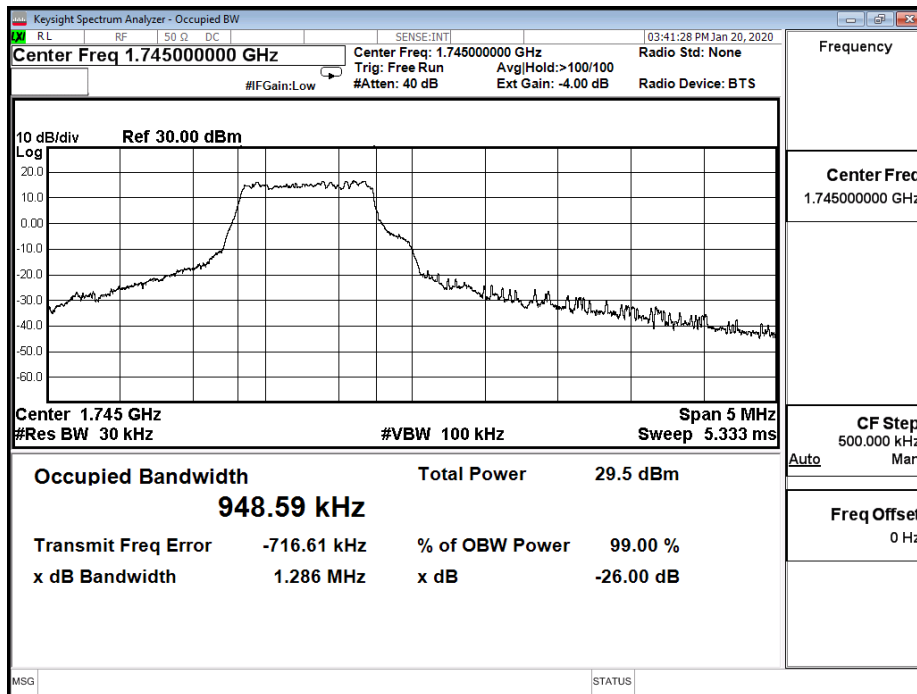
B66\_CH132322\_3M\_QPSK\_6RB0



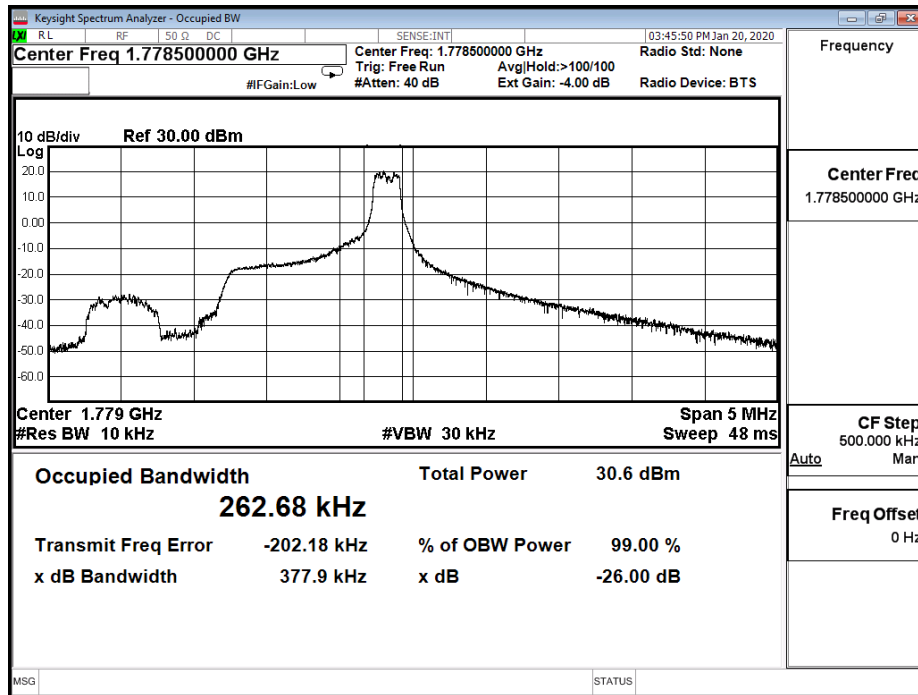
B66\_CH132322\_3M\_16-QAM\_1RB0



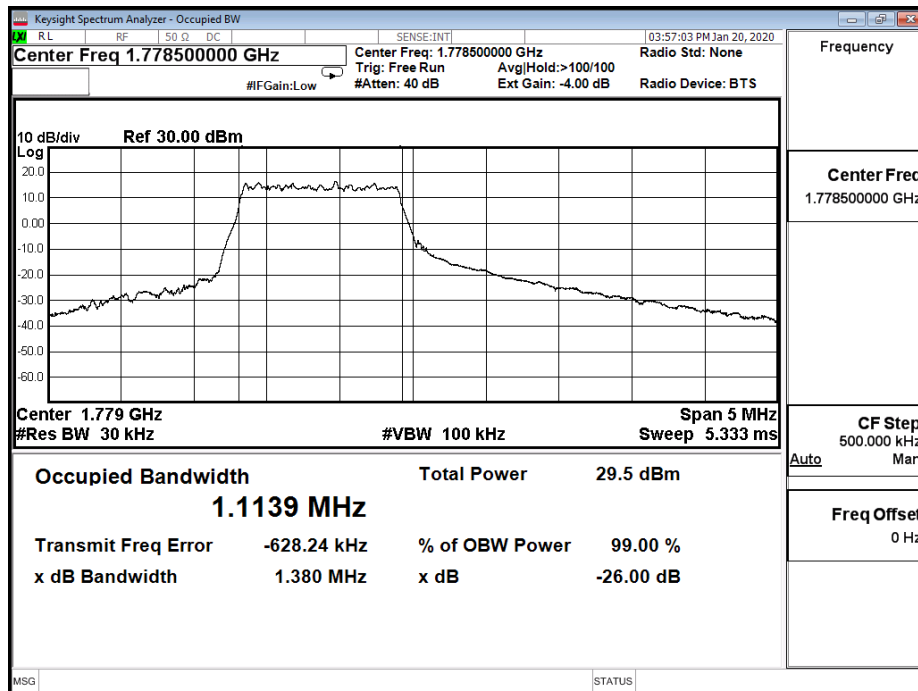
B66\_CH132322\_3M\_16-QAM\_5RB0



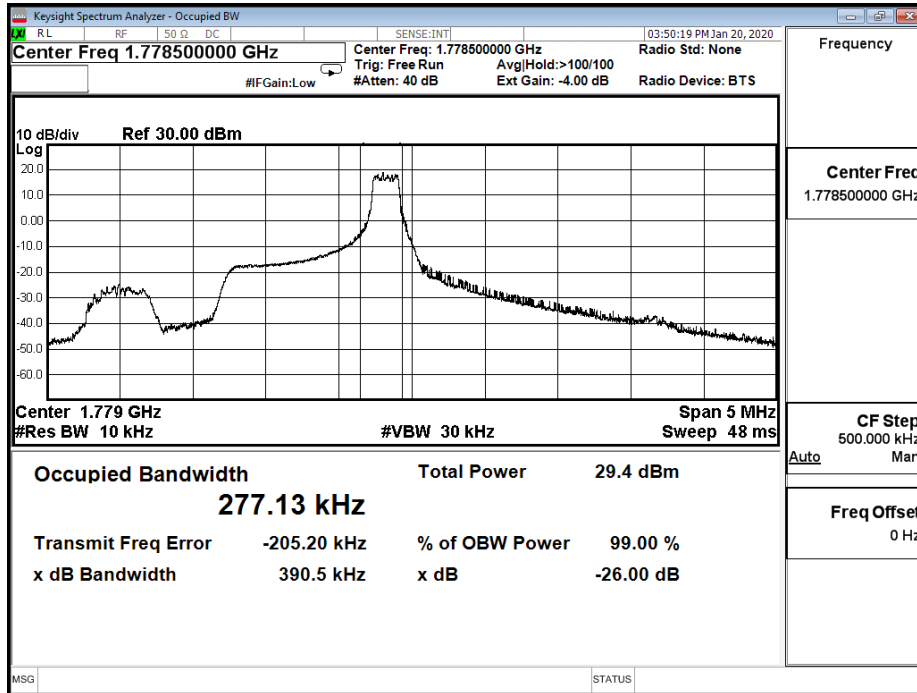
B66\_CH132657\_3M\_QPSK\_1RB5



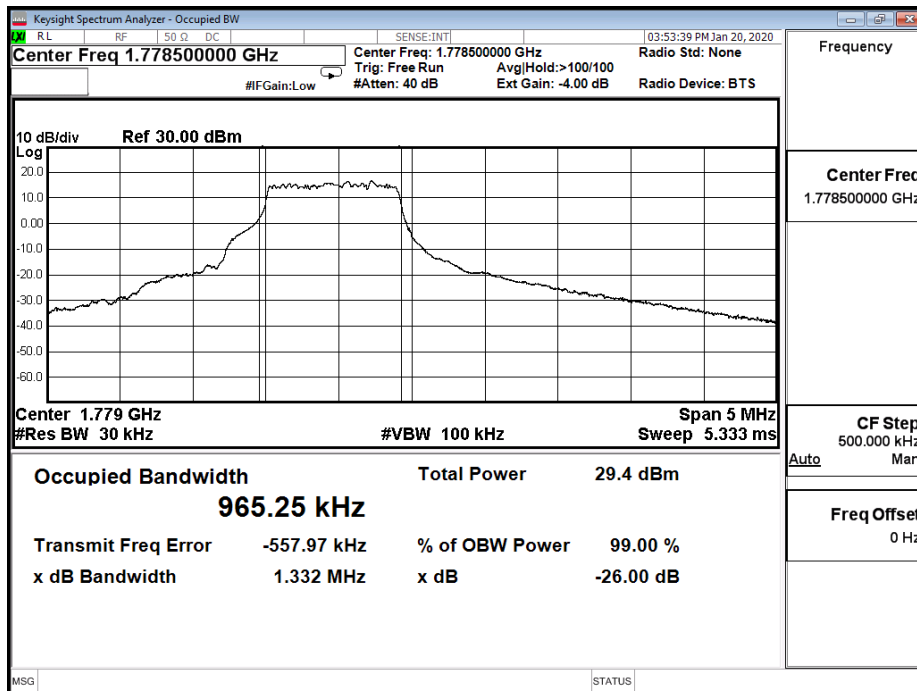
B66\_CH132657\_3M\_QPSK\_6RB0



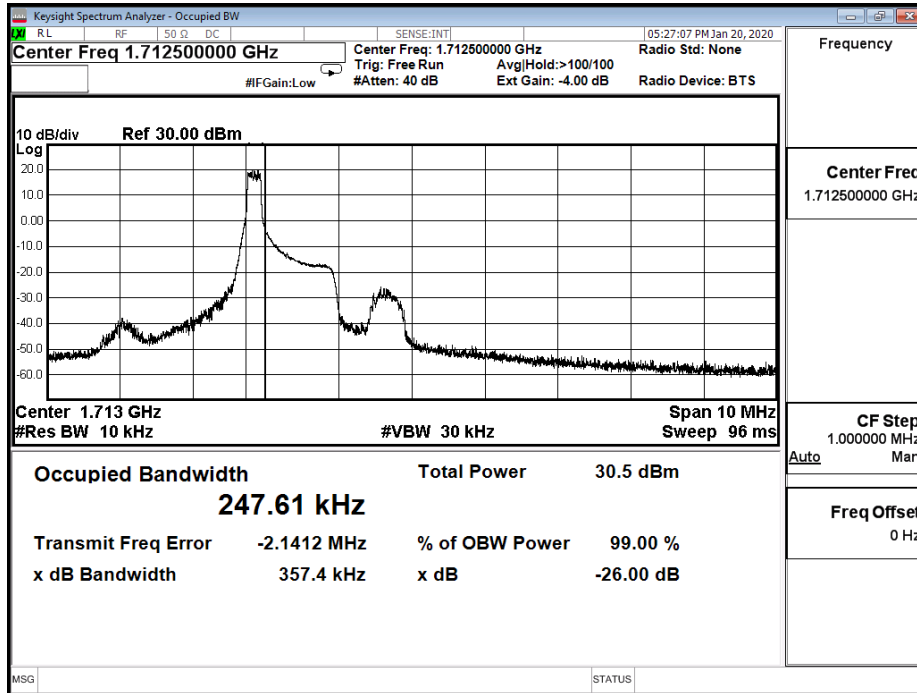
B66\_CH132657\_3M\_16-QAM\_1RB5



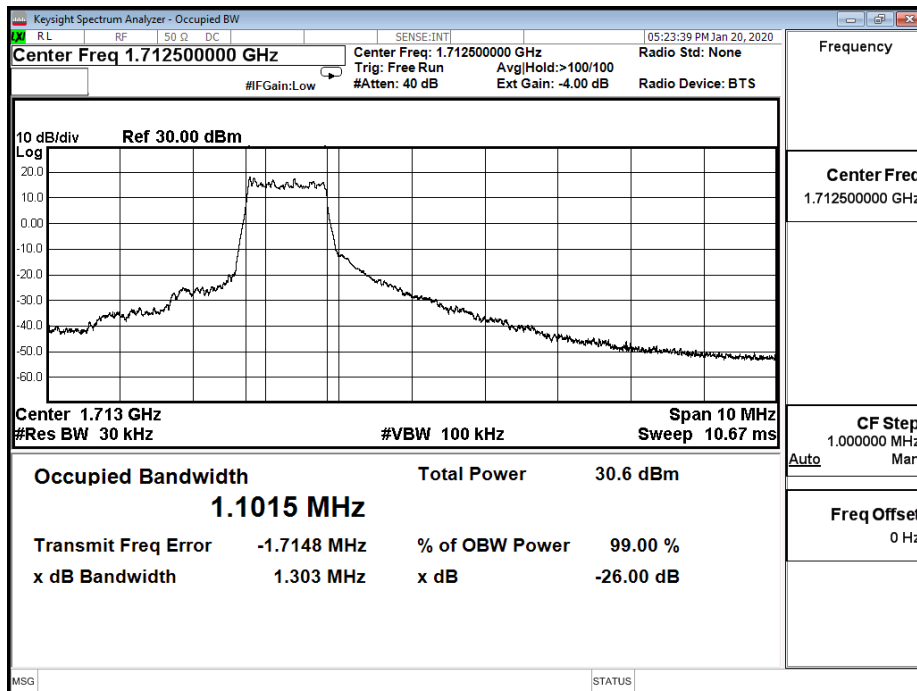
B66\_CH132657\_3M\_16-QAM\_5RB1



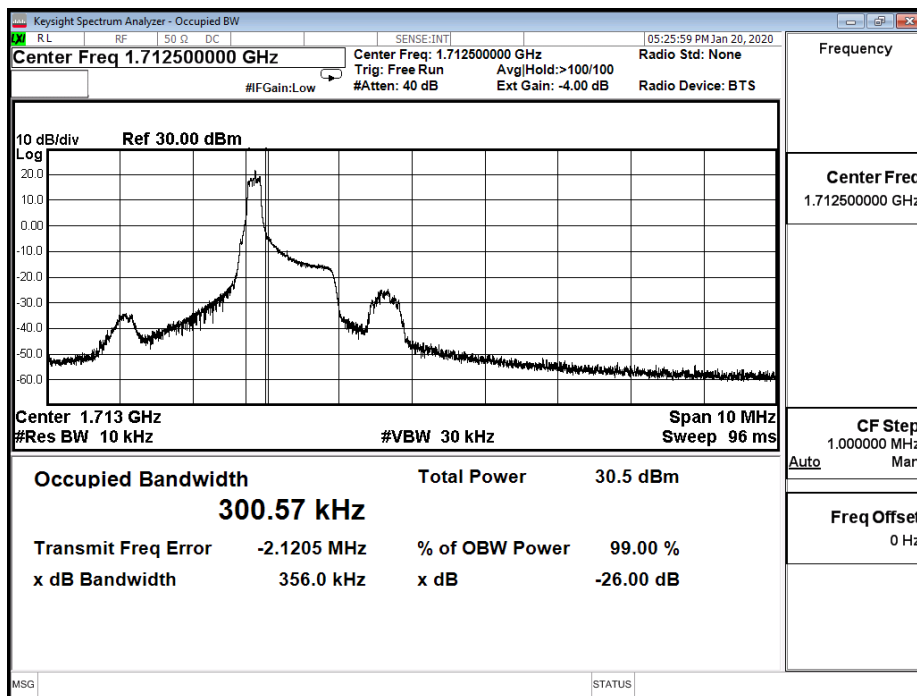
B66\_CH131997\_5M\_QPSK\_1RB0



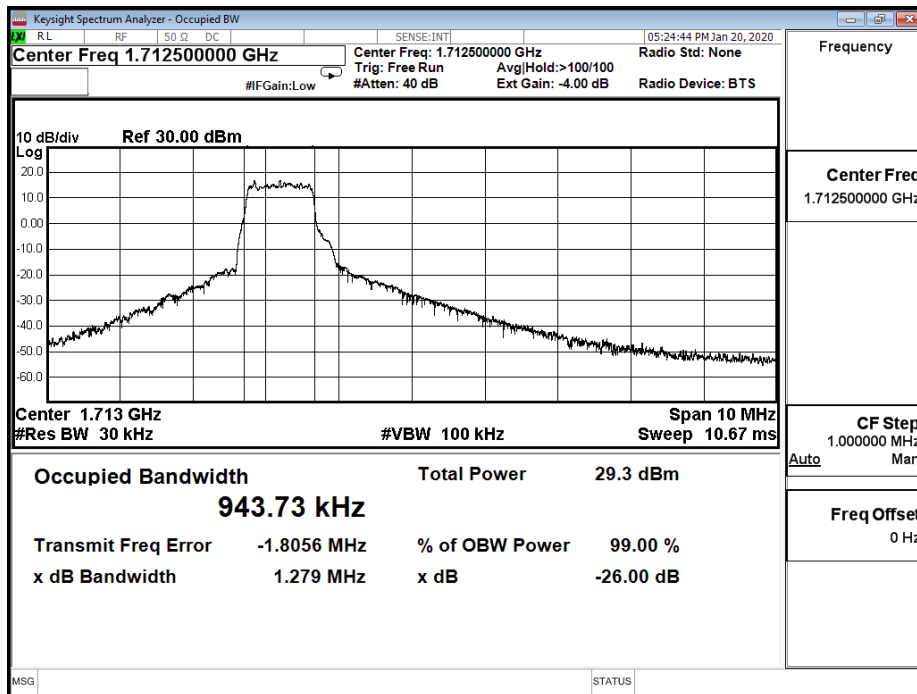
B66\_CH131997\_5M\_QPSK\_6RB0



B66\_CH131997\_5M\_16-QAM\_1RB0

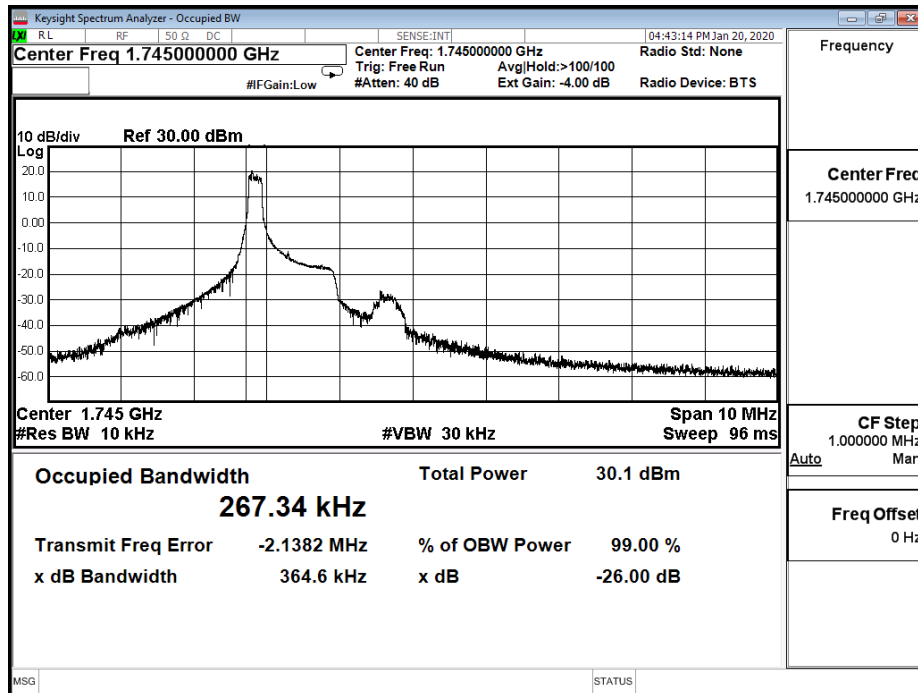


B66\_CH131997\_5M\_16-QAM\_5RB0

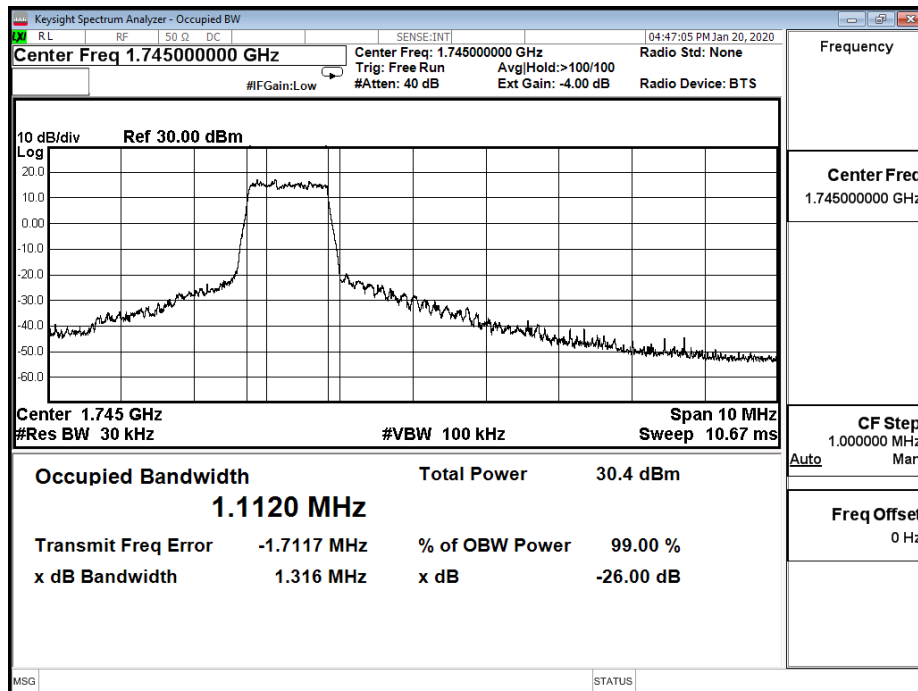




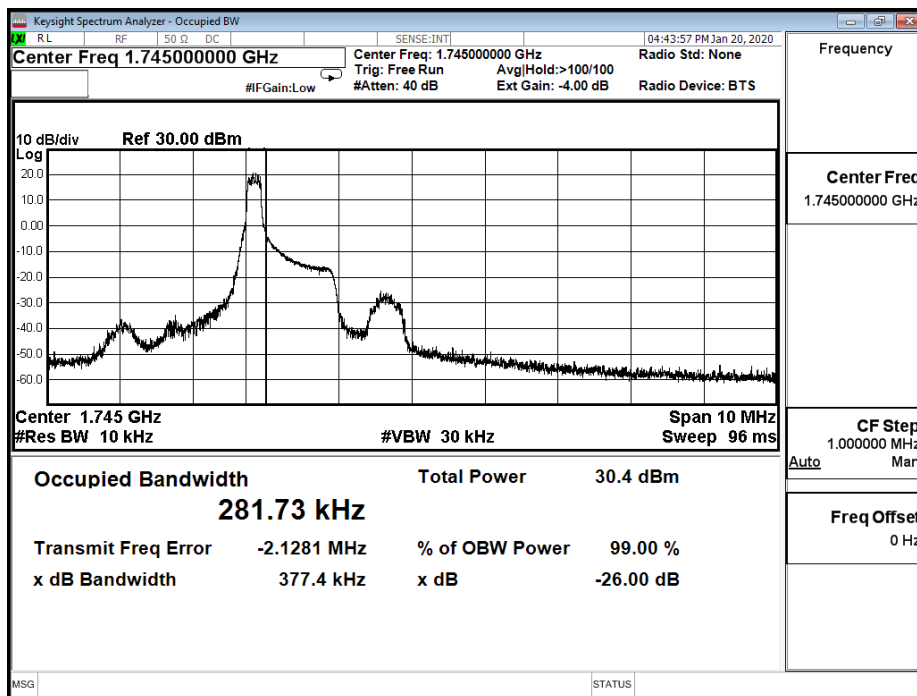
B66\_CH132322\_5M\_QPSK\_1RB0



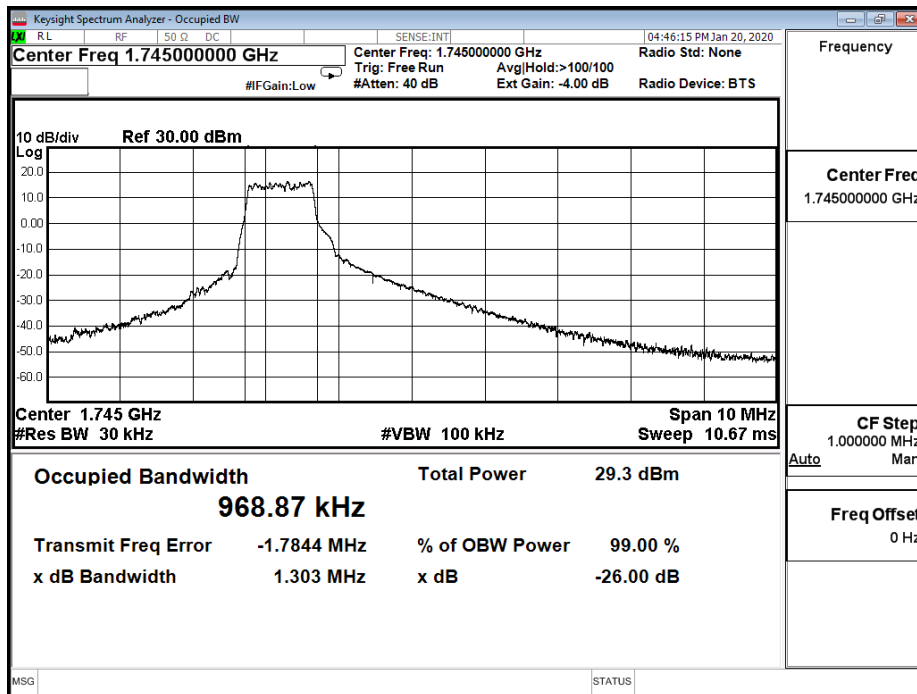
B66\_CH132322\_5M\_QPSK\_6RB0



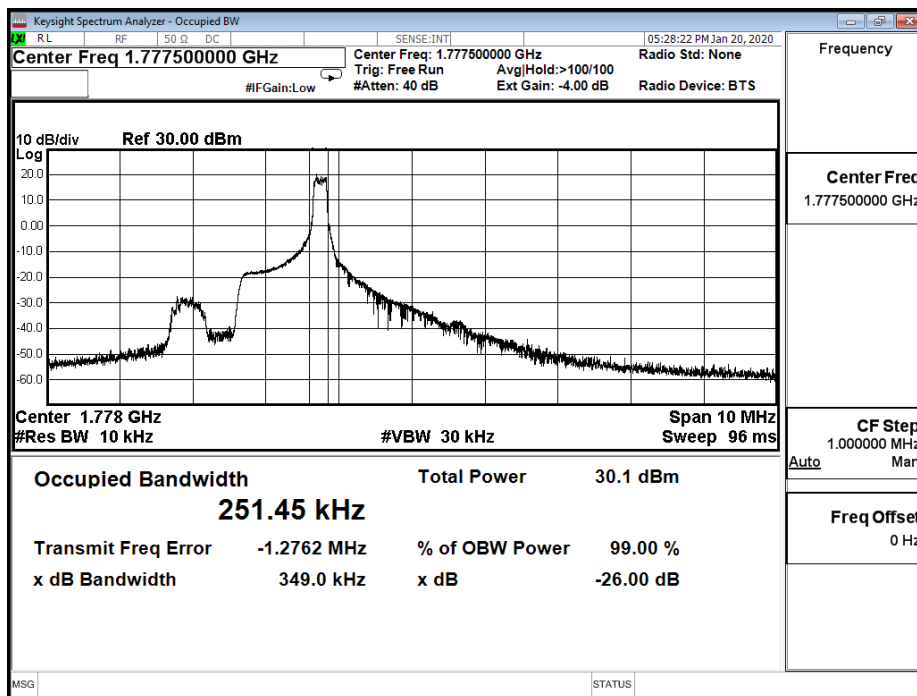
B66\_CH132322\_5M\_16-QAM\_1RB0



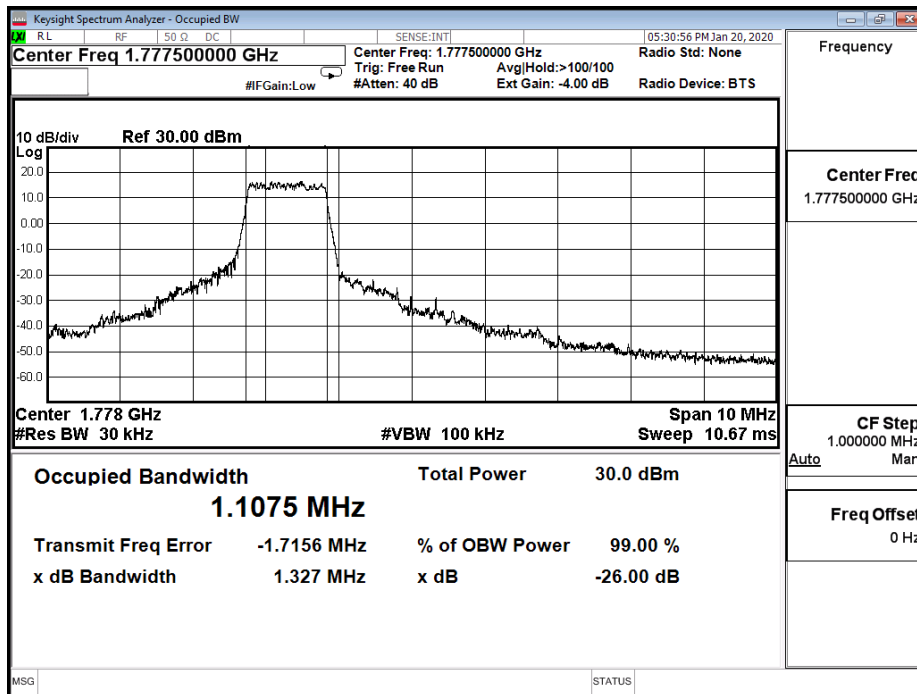
B66\_CH132322\_5M\_16-QAM\_5RB0



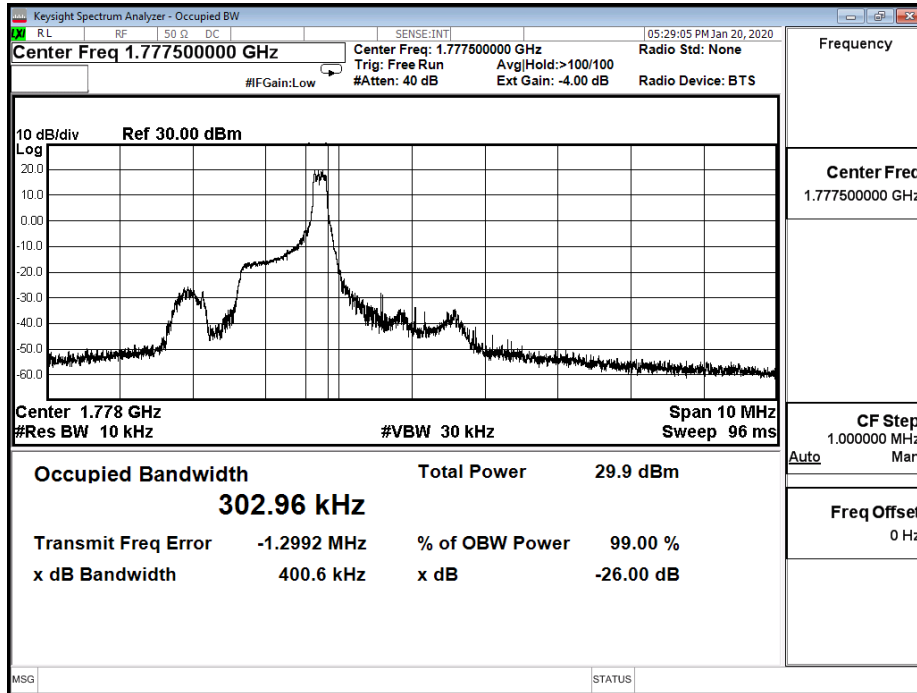
B66\_CH132647\_5M\_QPSK\_1RB5



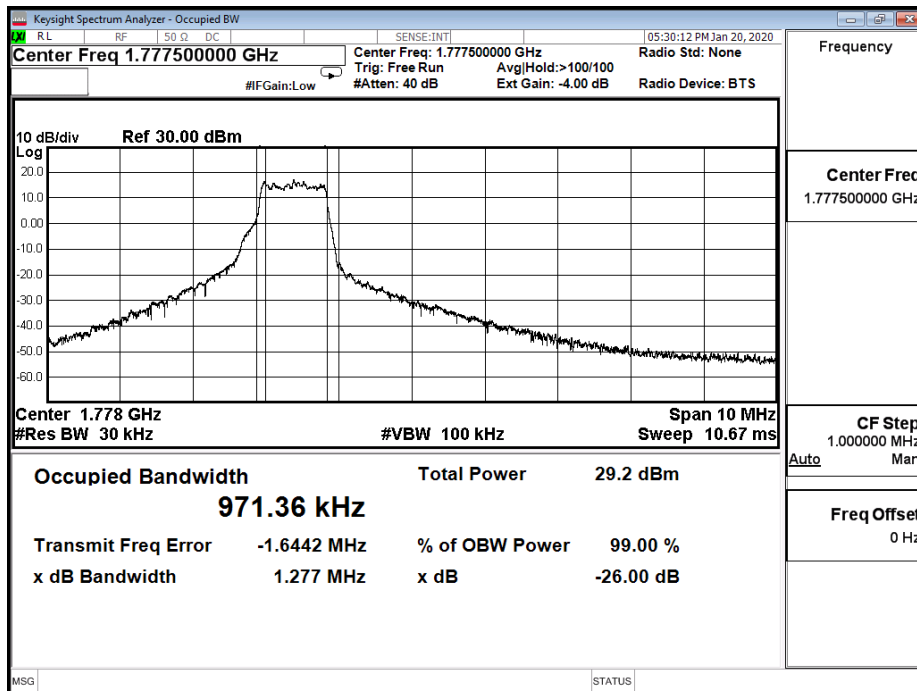
B66\_CH132647\_5M\_QPSK\_6RB0



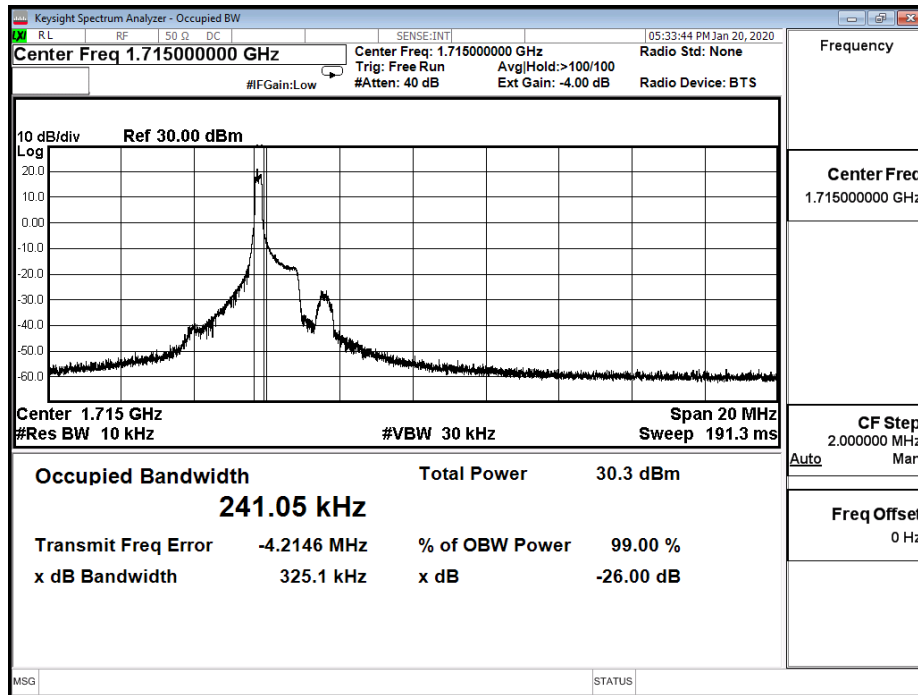
B66\_CH132647\_5M\_16-QAM\_1RB5



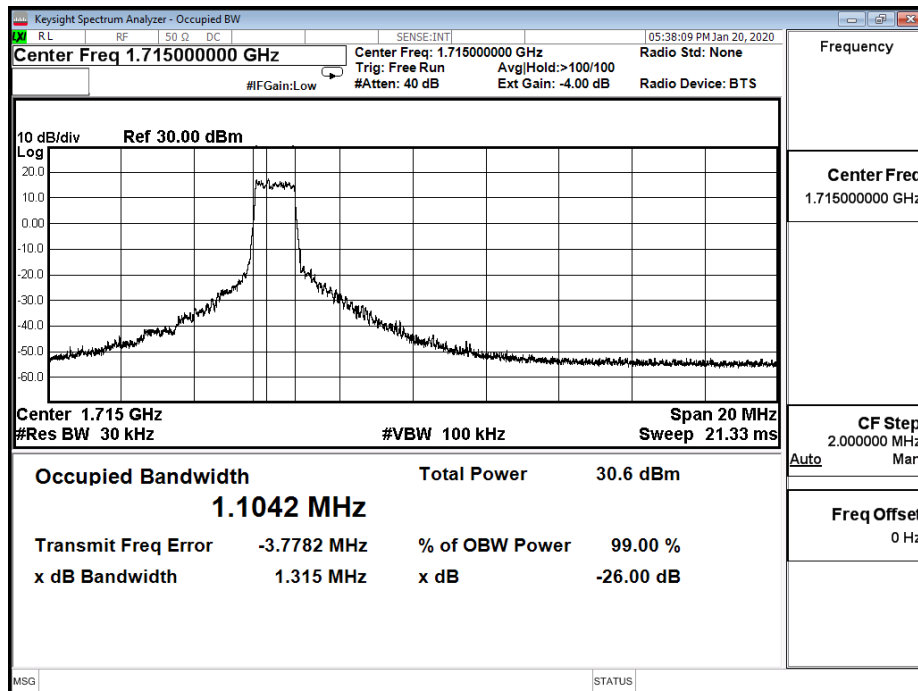
B66\_CH132647\_5M\_16-QAM\_5RB1



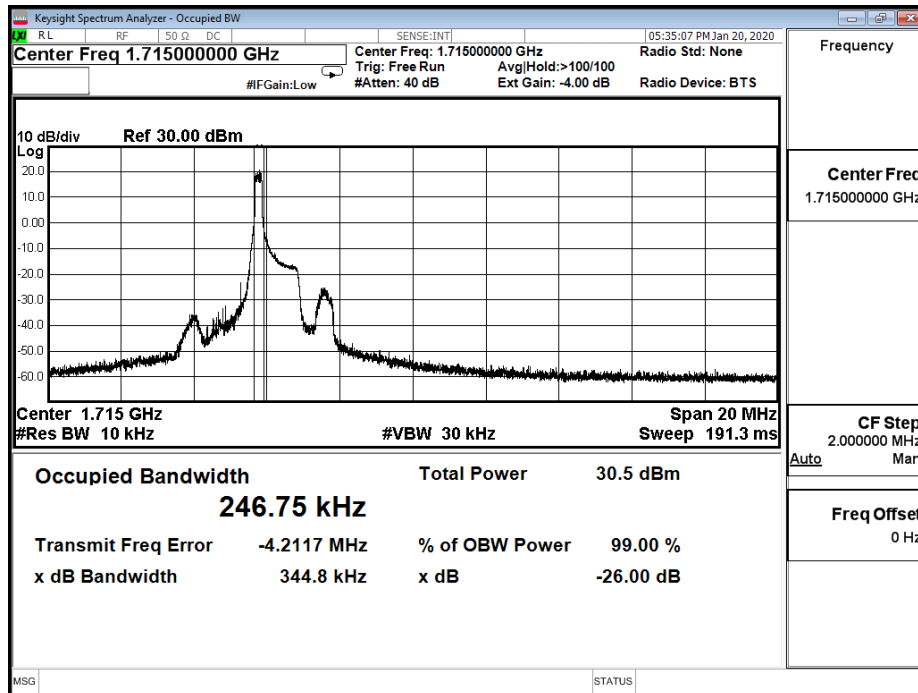
B66\_CH132022\_10M\_QPSK\_1RB0



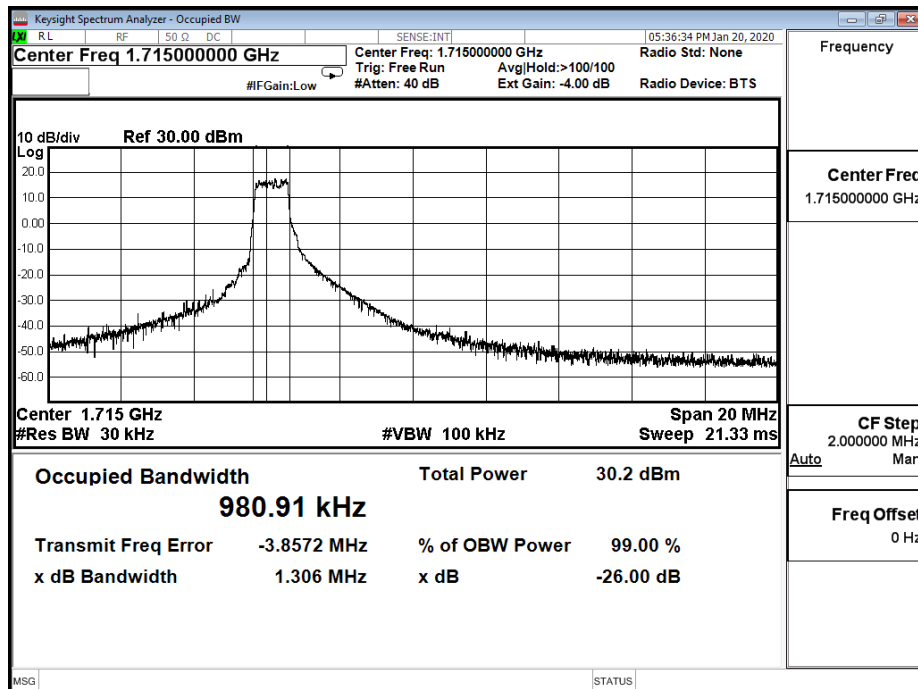
B66\_CH132022\_10M\_QPSK\_6RB0



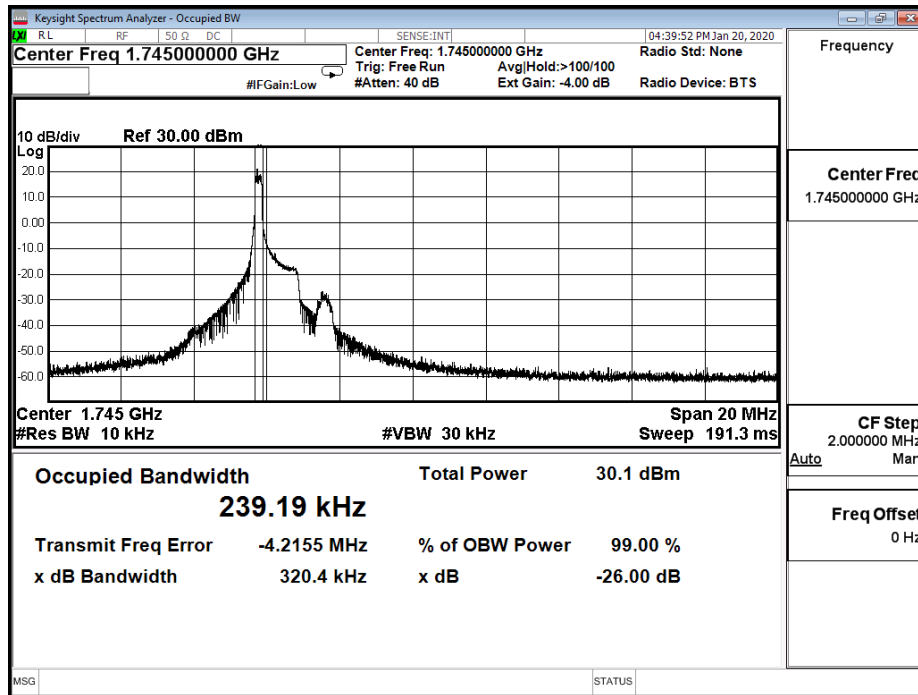
B66\_CH132022\_10M\_16-QAM\_1RB0



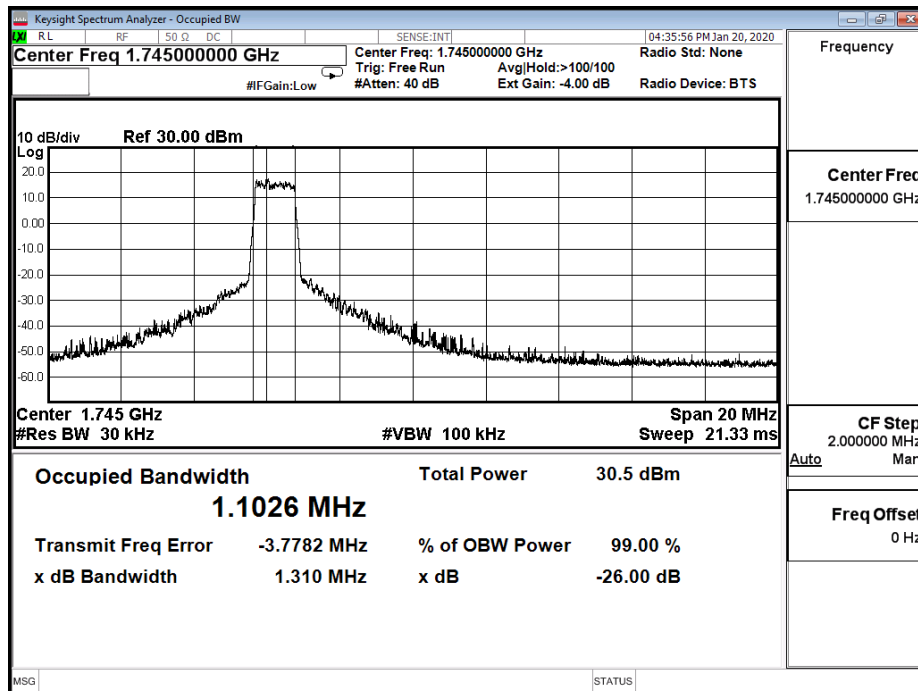
B66\_CH132022\_10M\_16-QAM\_5RB0



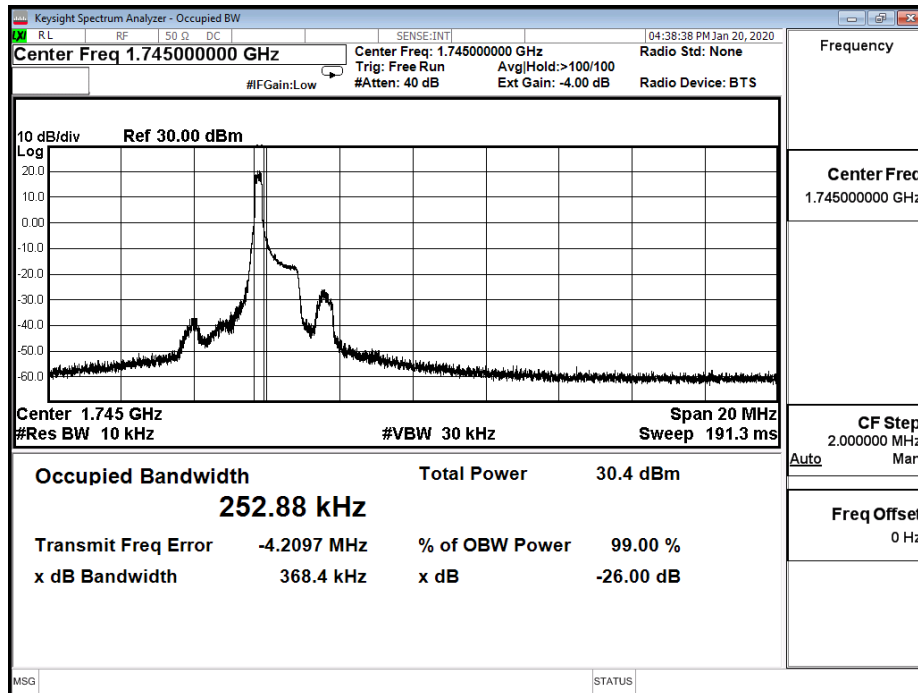
B66\_CH132322\_10M\_QPSK\_1RB0



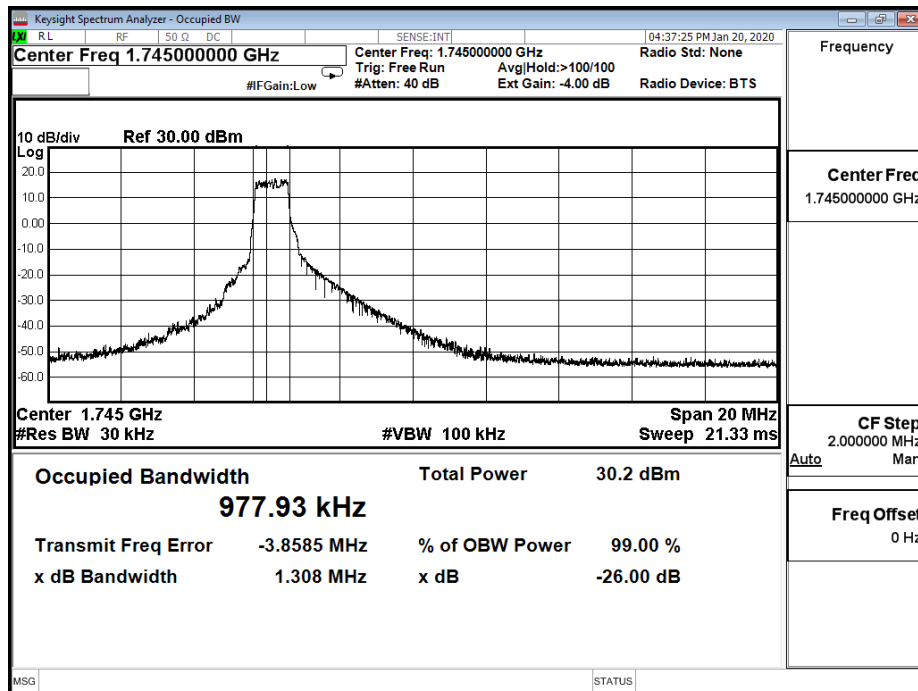
B66\_CH132322\_10M\_QPSK\_6RB0



B66\_CH132322\_10M\_16-QAM\_1RB0

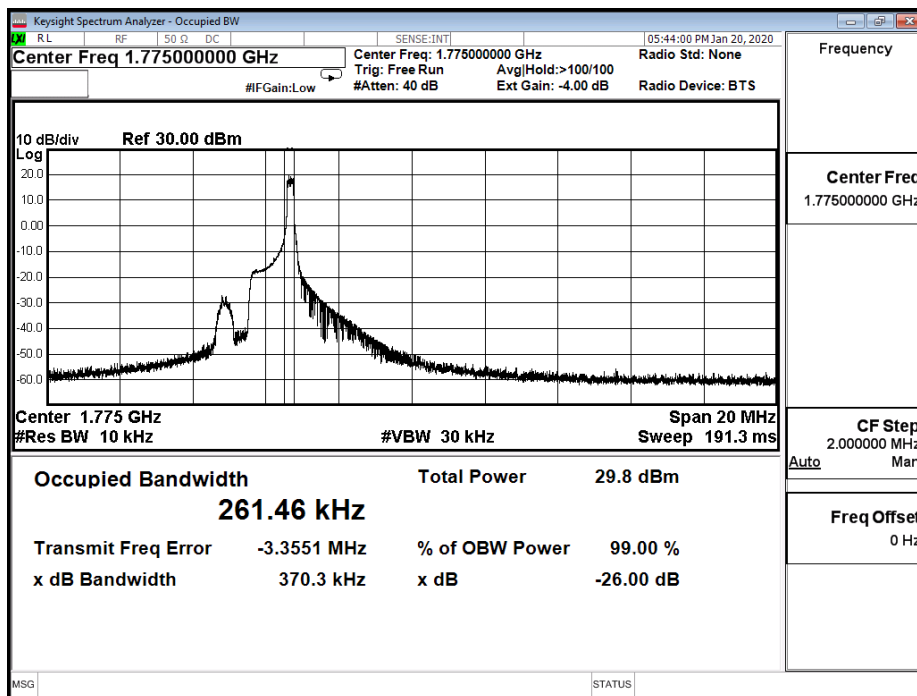


B66\_CH132322\_10M\_16-QAM\_5RB0

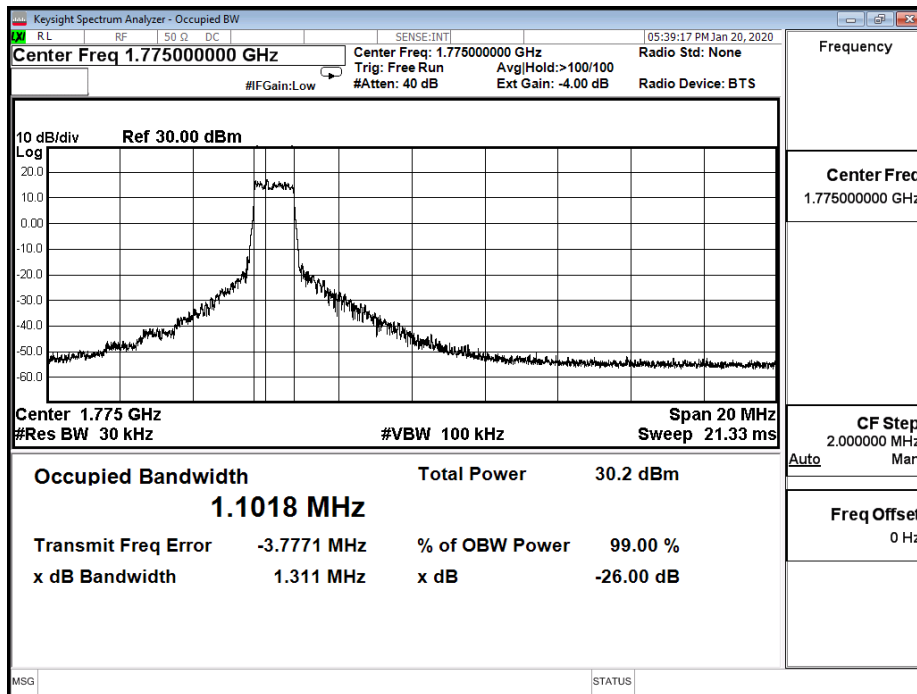




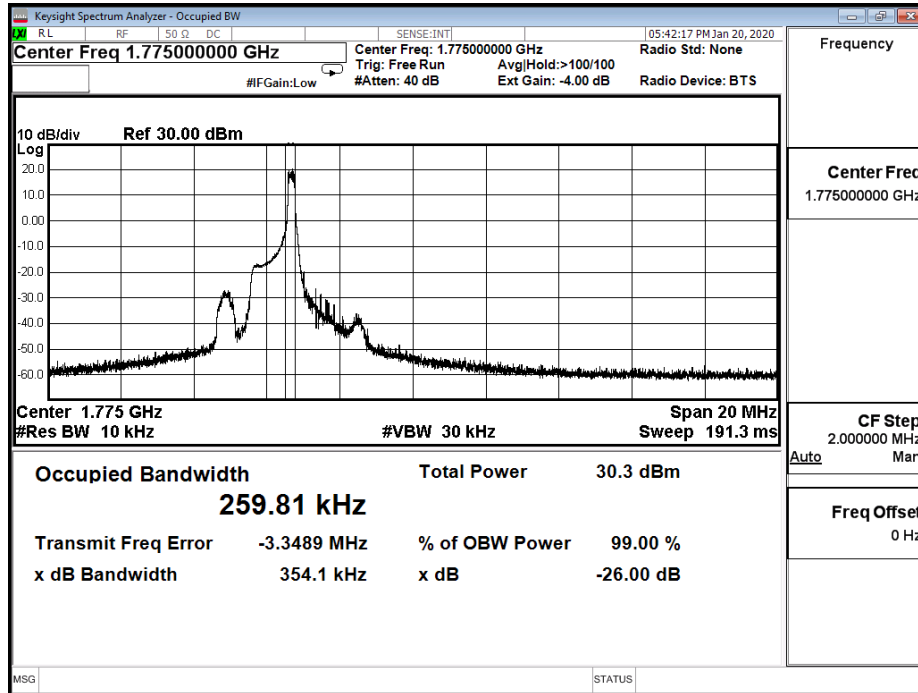
B66\_CH132622\_10M\_QPSK\_1RB5



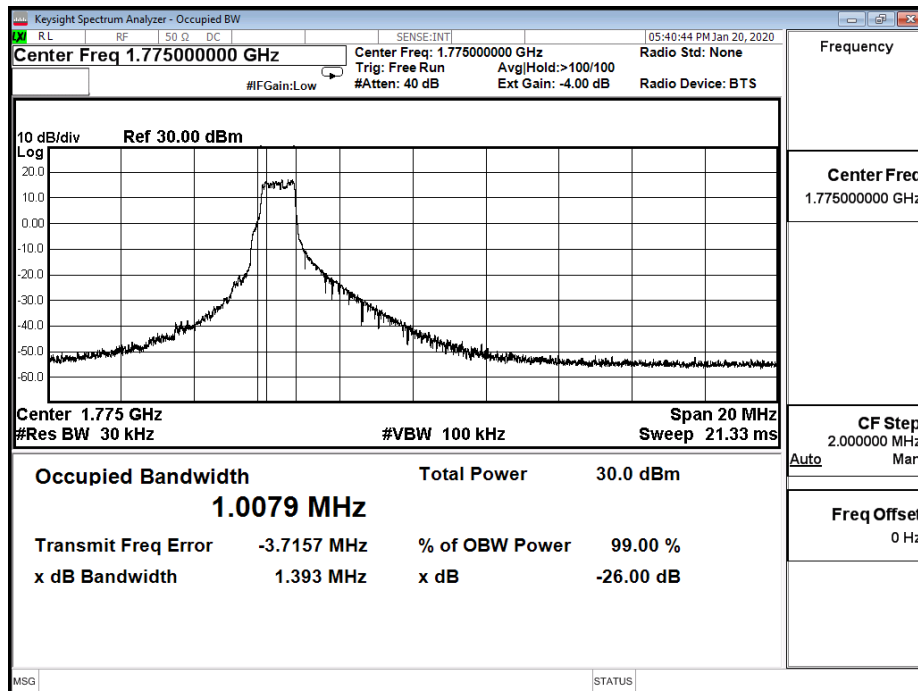
B66\_CH132622\_10M\_QPSK\_6RB0



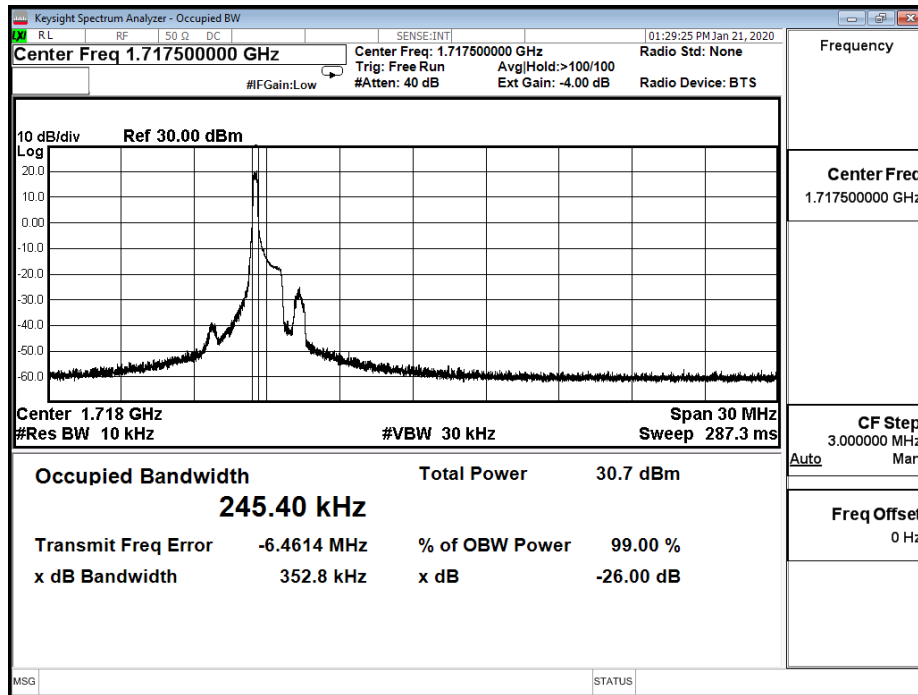
B66\_CH132622\_10M\_16-QAM\_1RB5



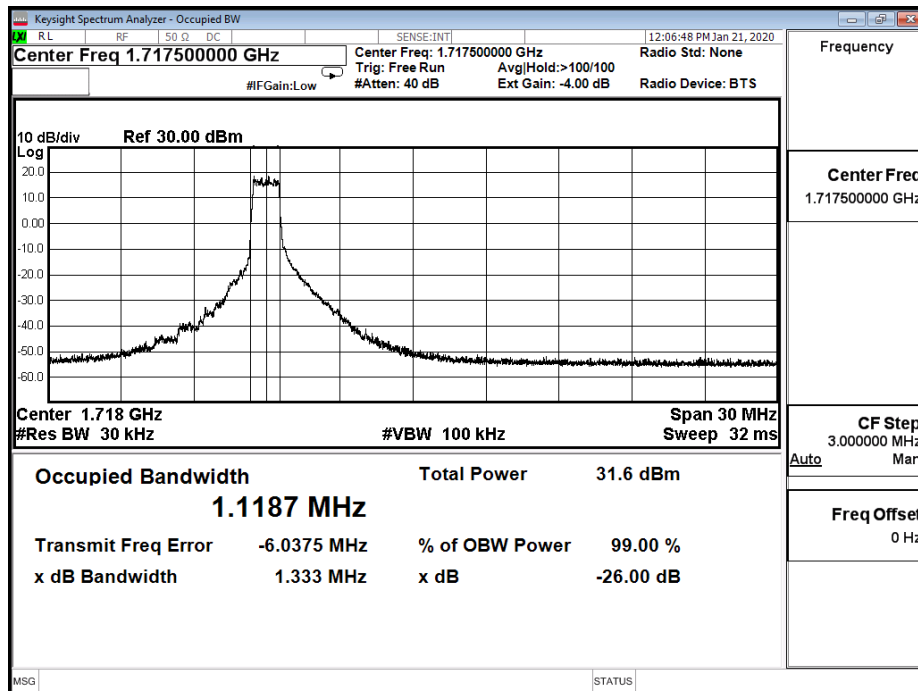
B66\_CH132622\_10M\_16-QAM\_5RB1



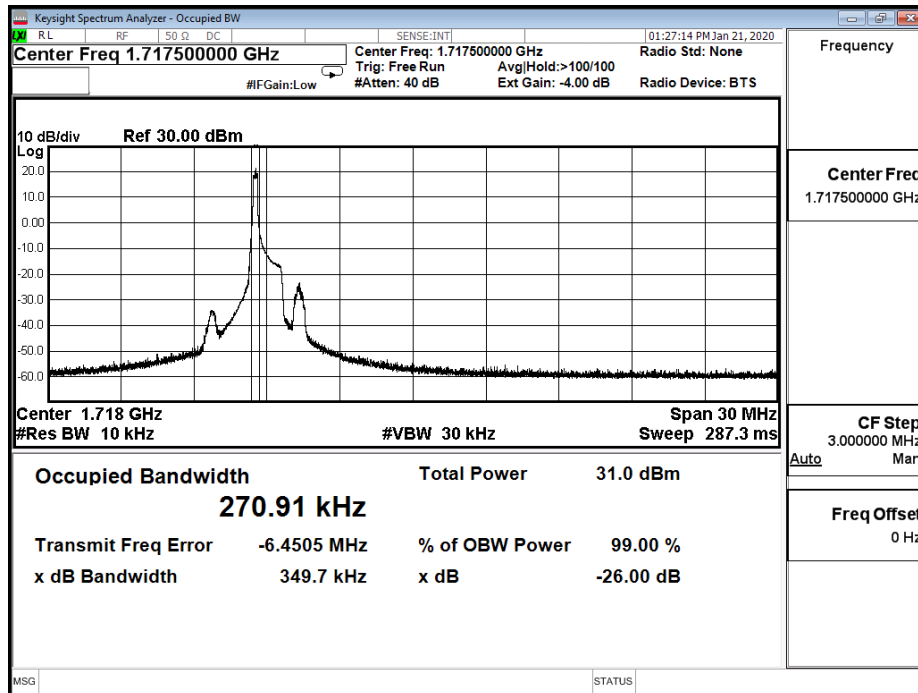
B66\_CH132047\_15M\_QPSK\_1RB0



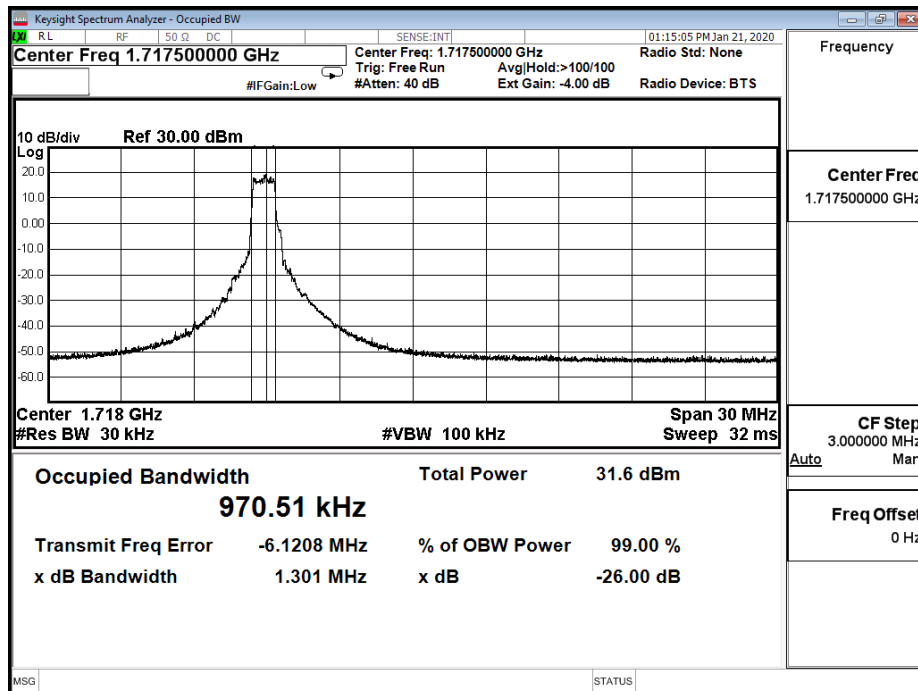
B66\_CH132047\_15M\_QPSK\_6RB0



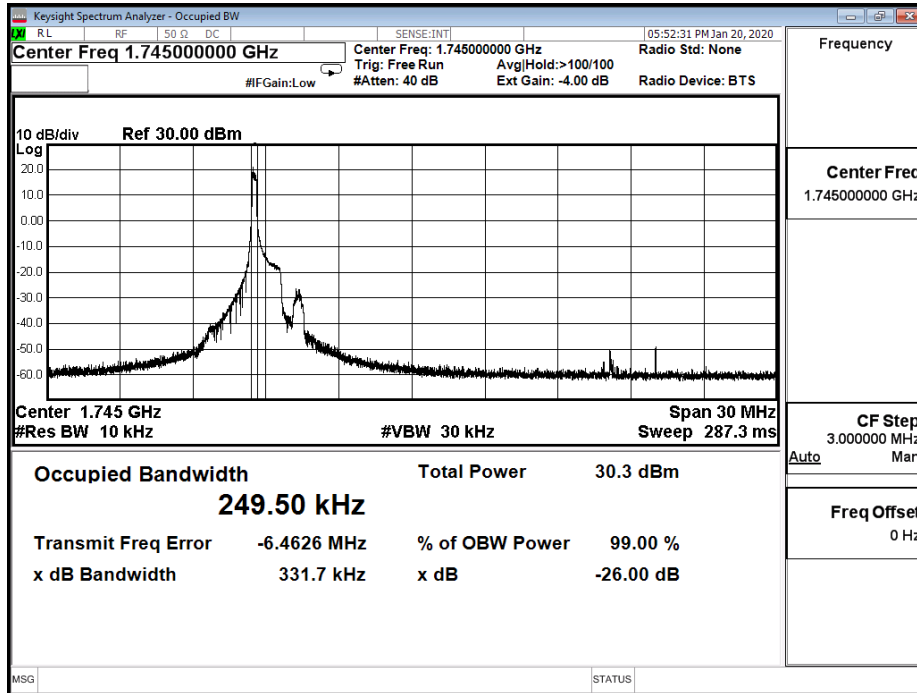
B66\_CH132047\_15M\_16-QAM\_1RB0



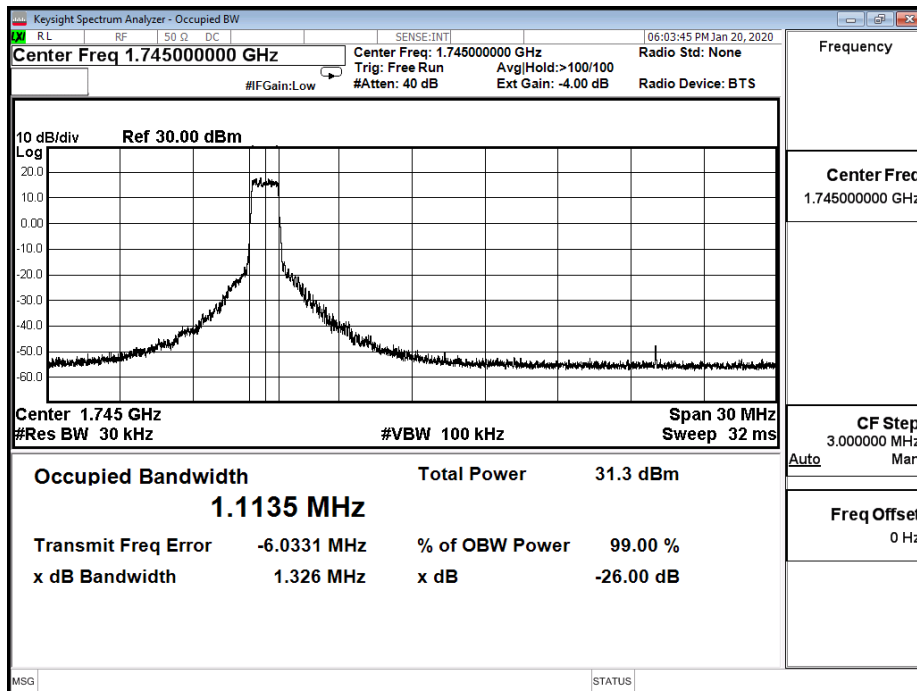
B66\_CH132047\_15M\_16-QAM\_5RB0



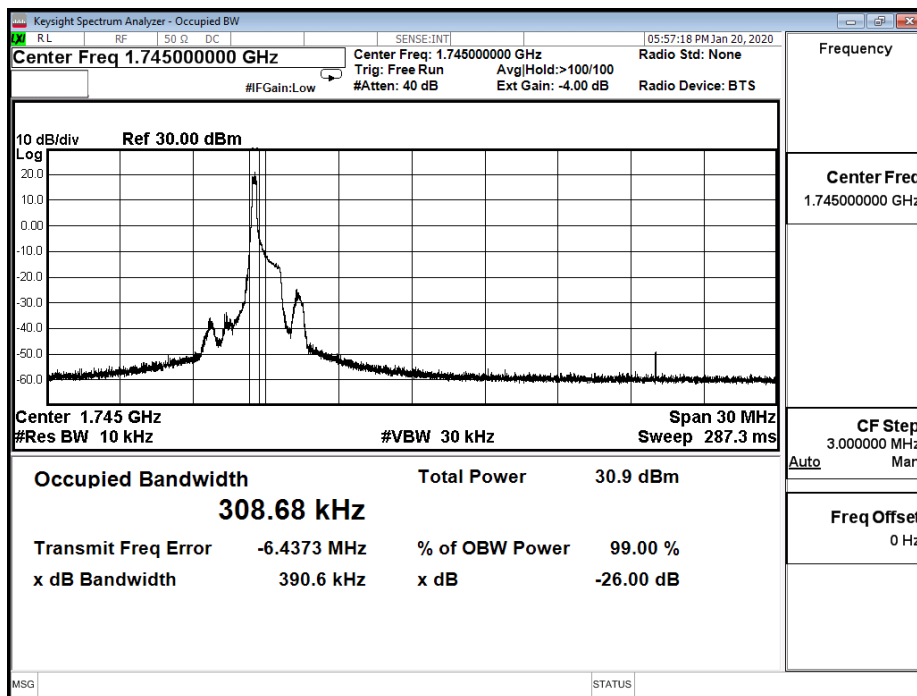
B66\_CH132322\_15M\_QPSK\_1RB0



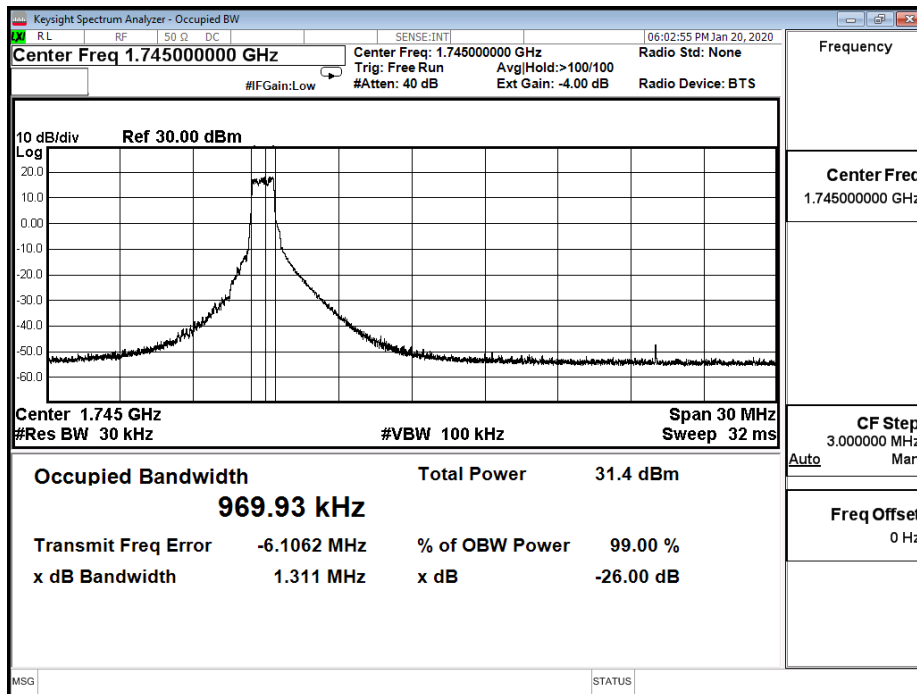
B66\_CH132322\_15M\_QPSK\_6RB0



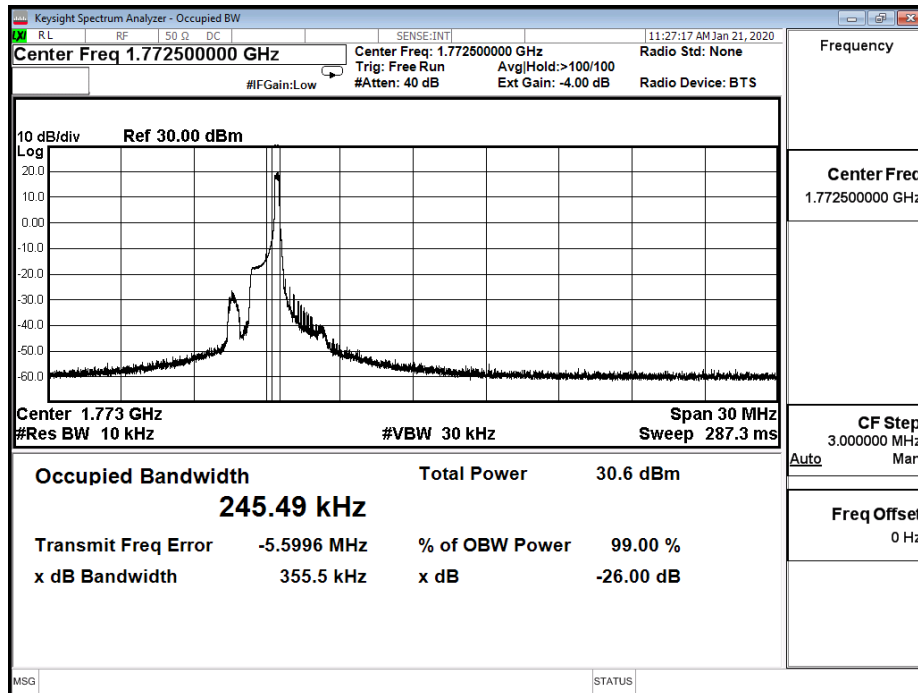
B66\_CH132322\_15M\_16-QAM\_1RB0



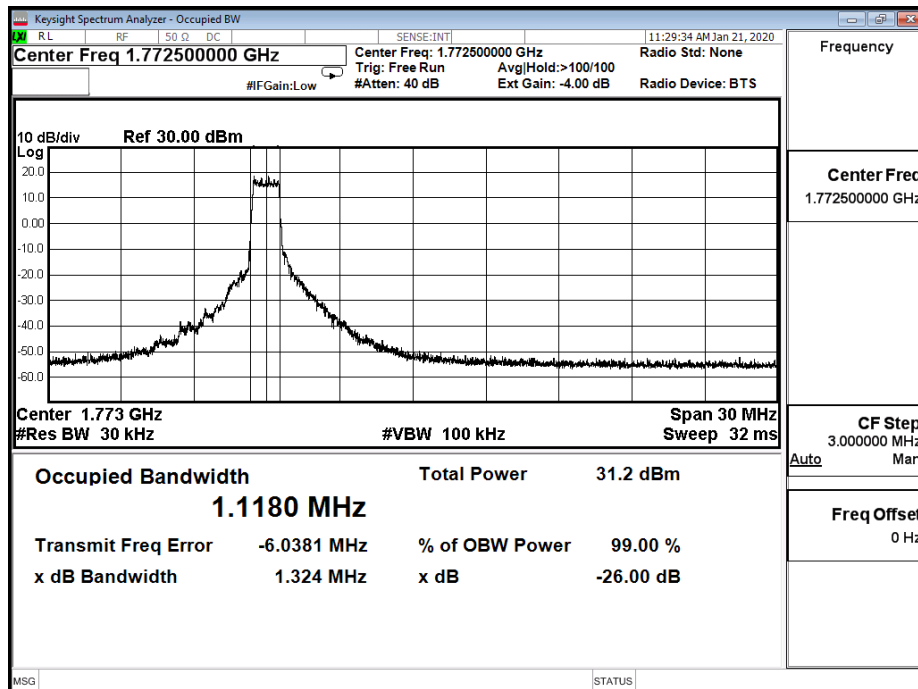
B66\_CH132322\_15M\_16-QAM\_5RB0



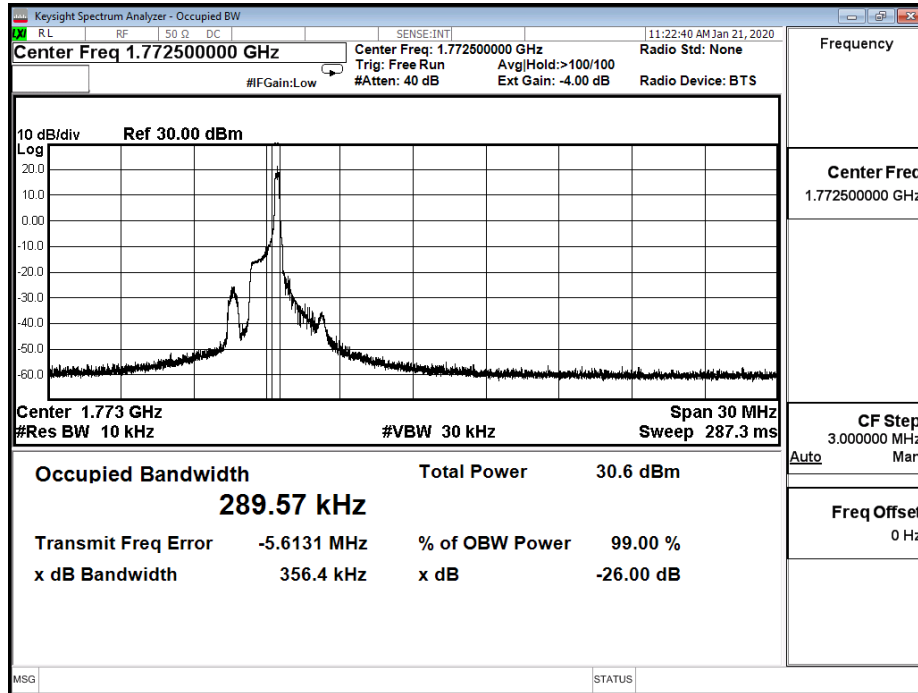
B66\_CH132597\_15M\_QPSK\_1RB5



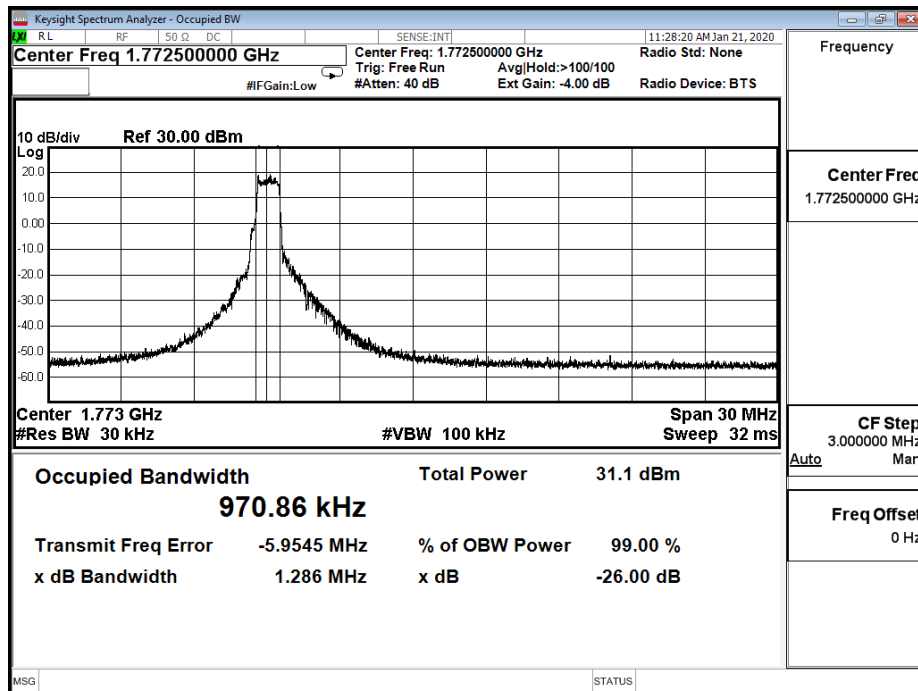
B66\_CH132597\_15M\_QPSK\_6RB0



B66\_CH132597\_15M\_16-QAM\_1RB5

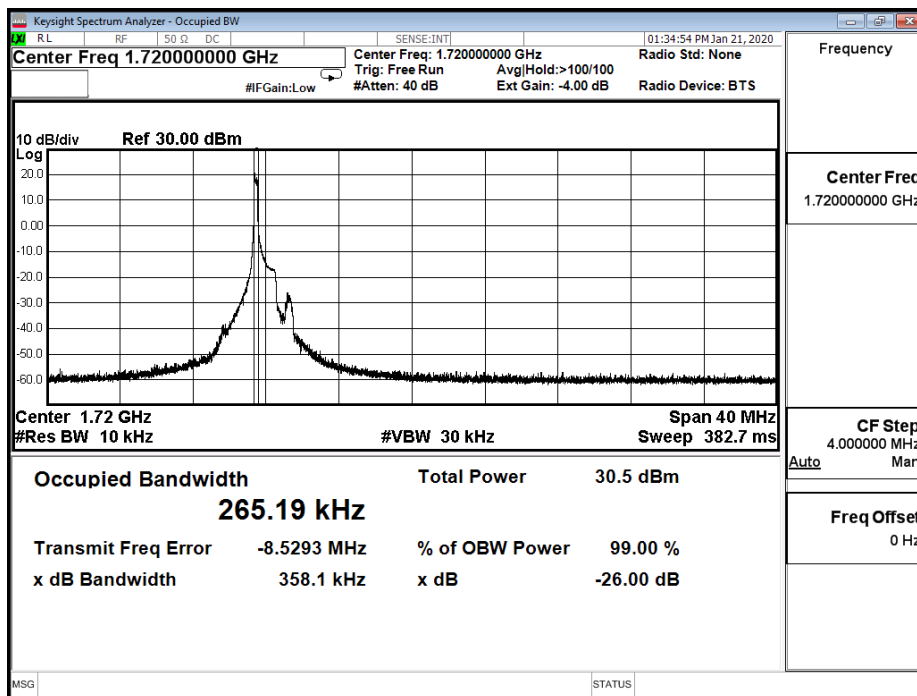


B66\_CH132597\_15M\_16-QAM\_5RB1

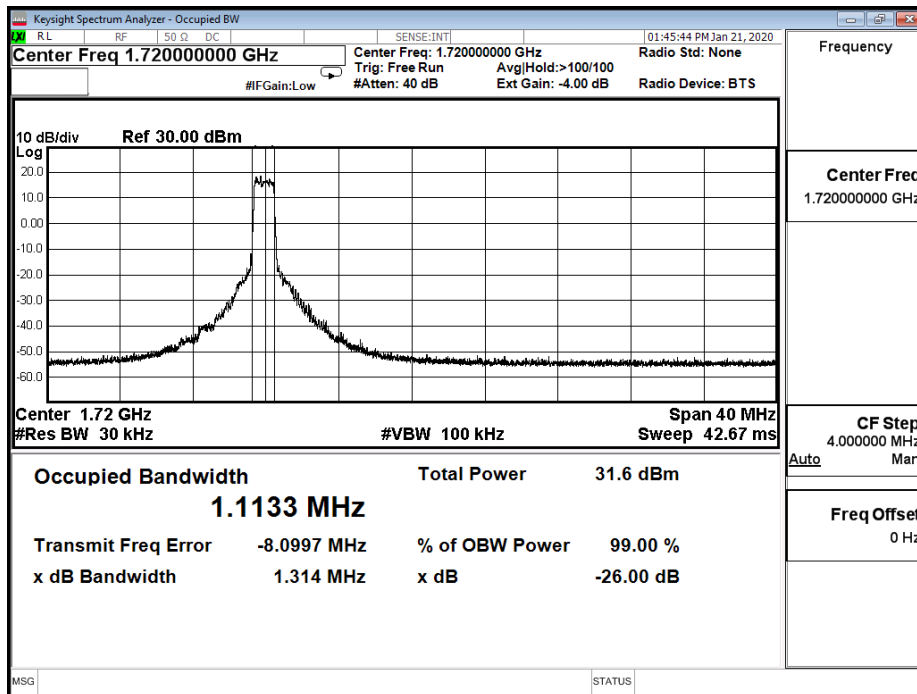




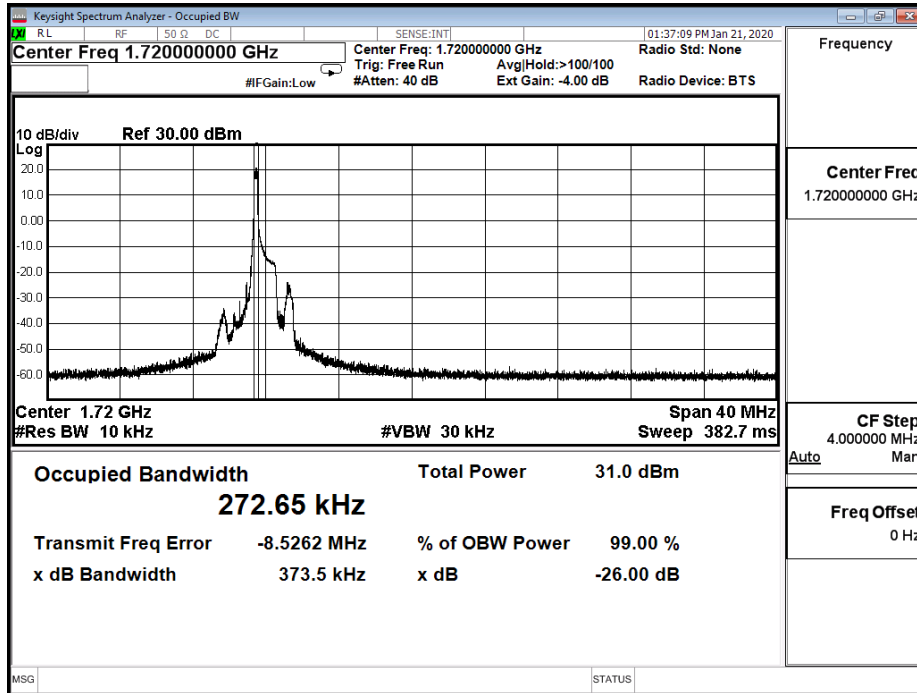
B66\_CH132072\_20M\_QPSK\_1RB0



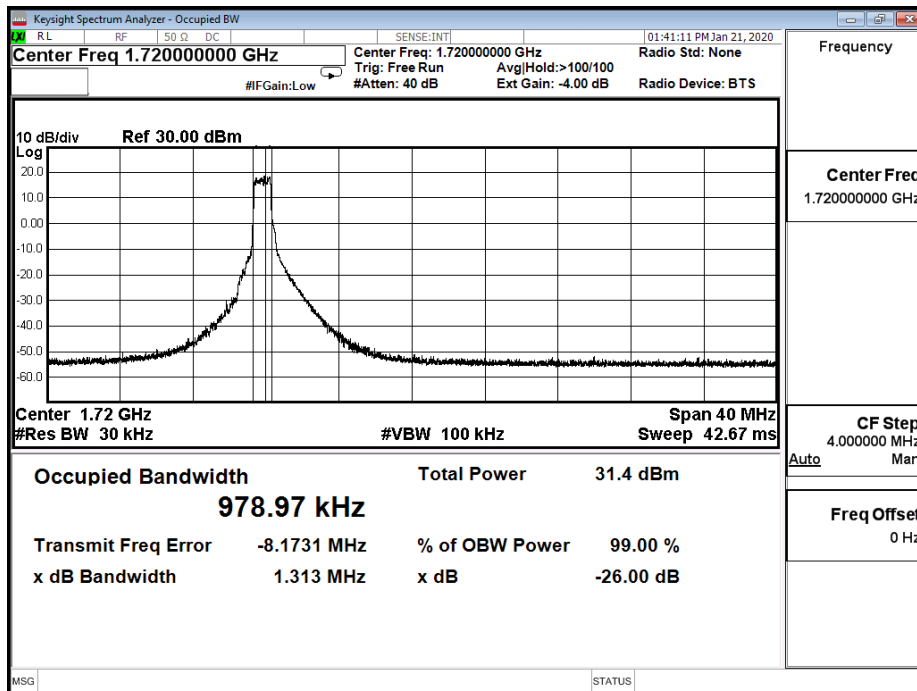
B66\_CH132072\_20M\_QPSK\_6RB0



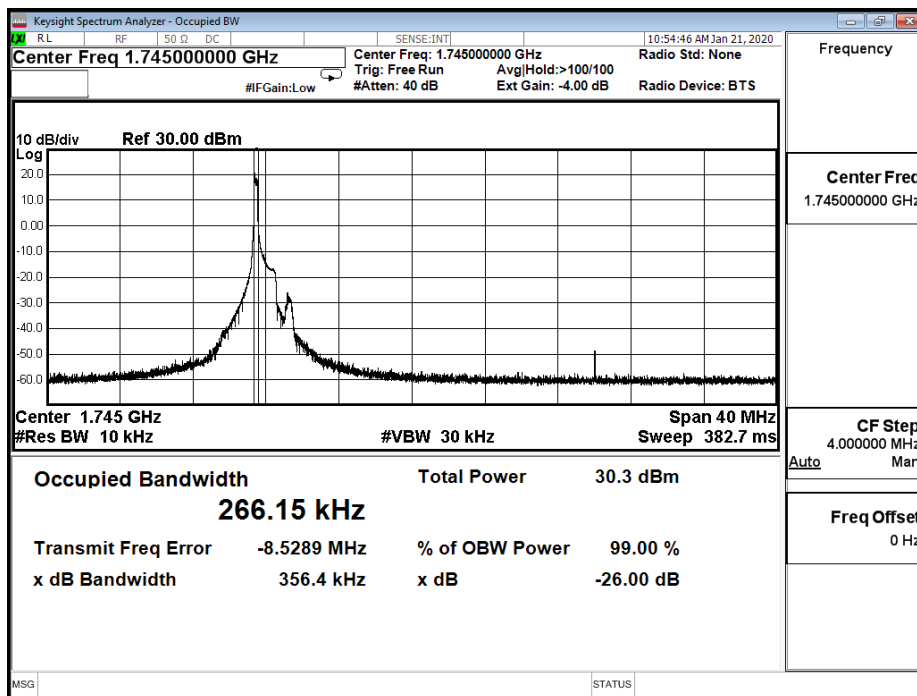
B66\_CH132072\_20M\_16-QAM\_1RB0



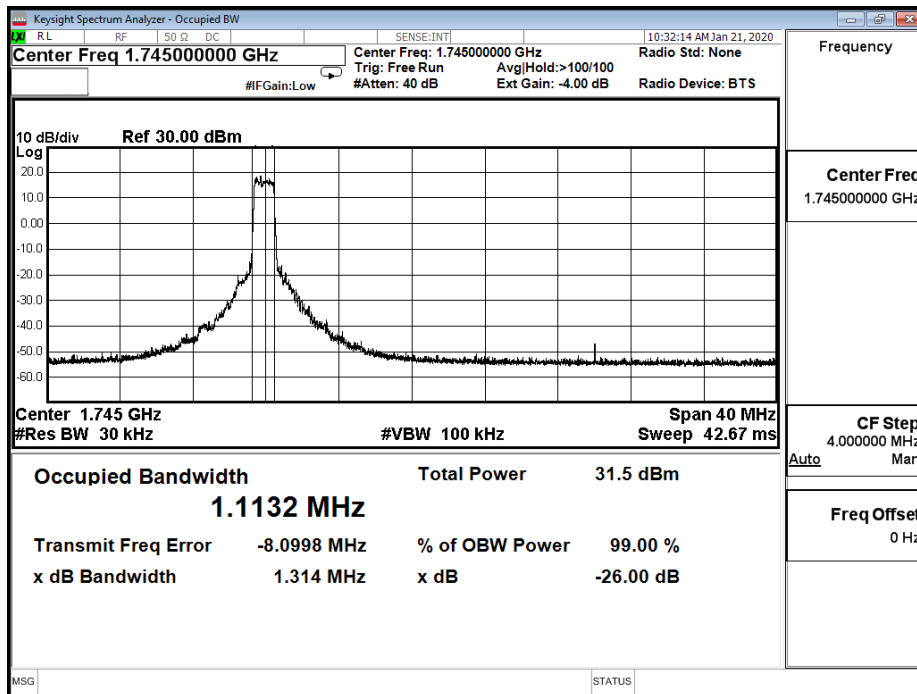
B66\_CH132072\_20M\_16-QAM\_5RB0



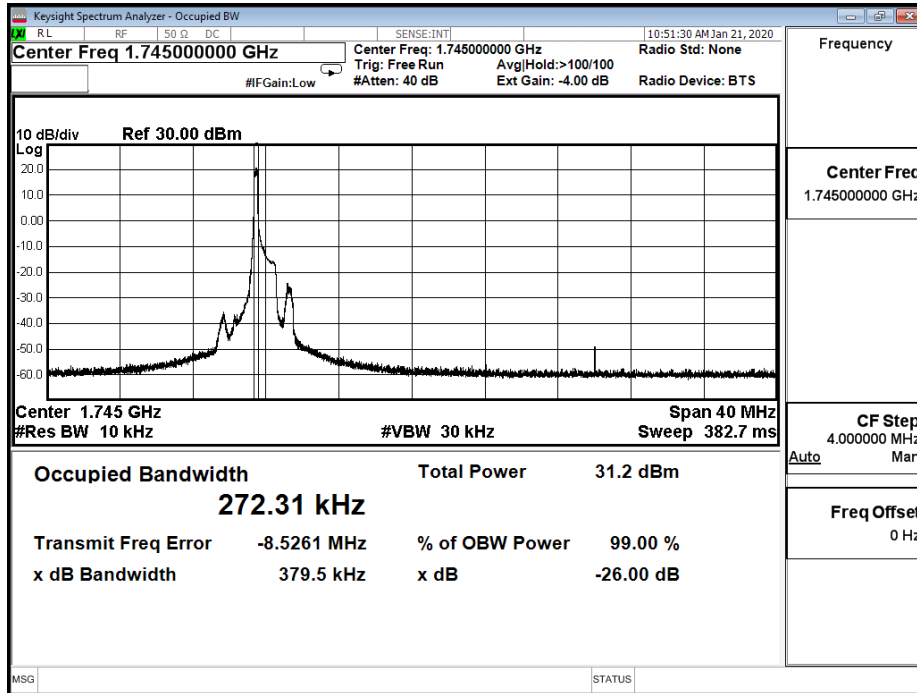
B66\_CH132322\_20M\_QPSK\_1RB0



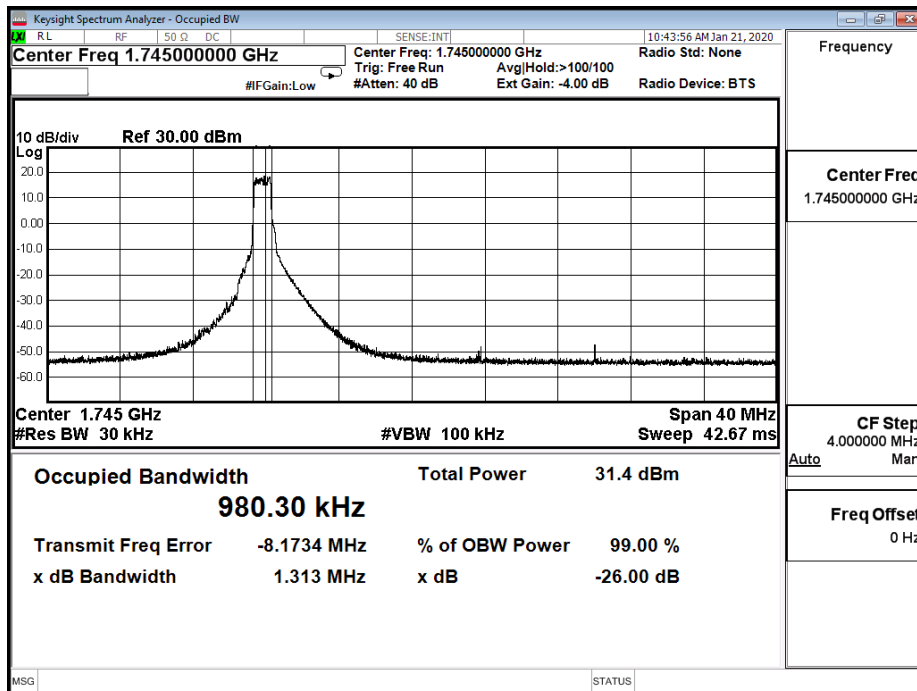
B66\_CH132322\_20M\_QPSK\_6RB0



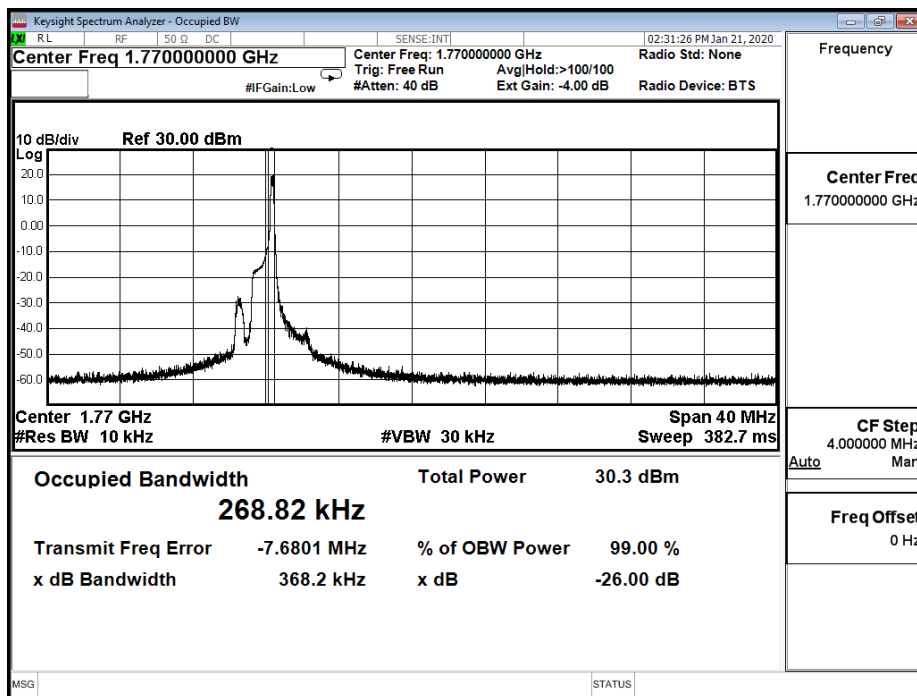
B66\_CH132322\_20M\_16-QAM\_1RB0



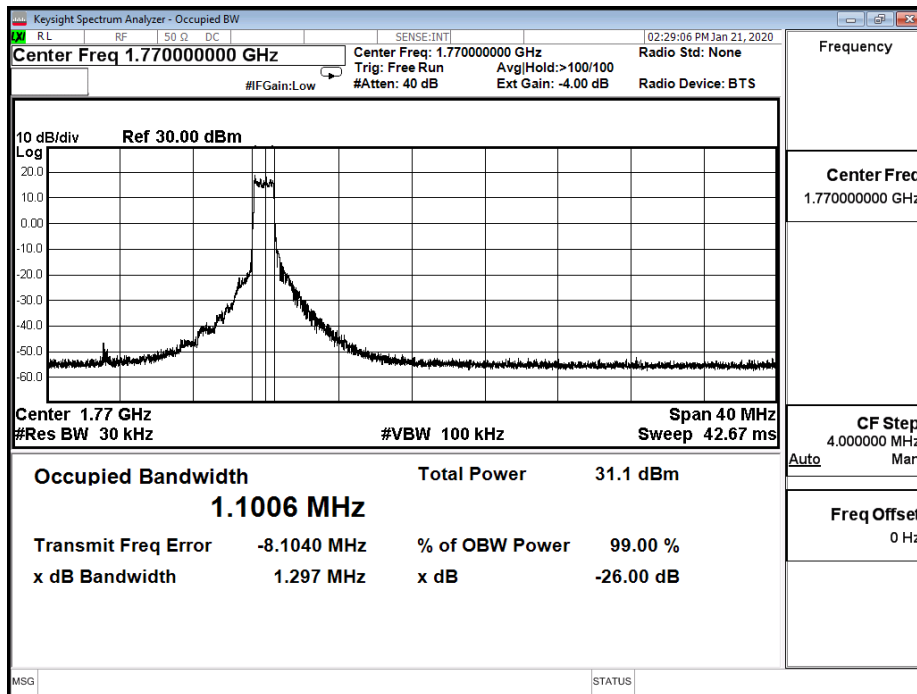
B66\_CH132322\_20M\_16-QAM\_5RB0



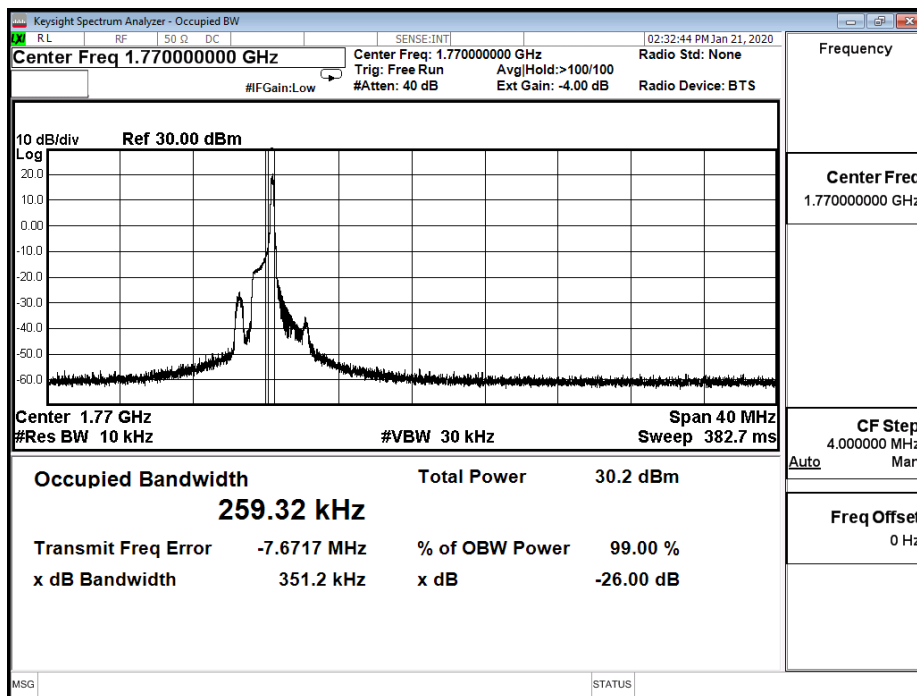
B66\_CH132572\_20M\_QPSK\_1RB5



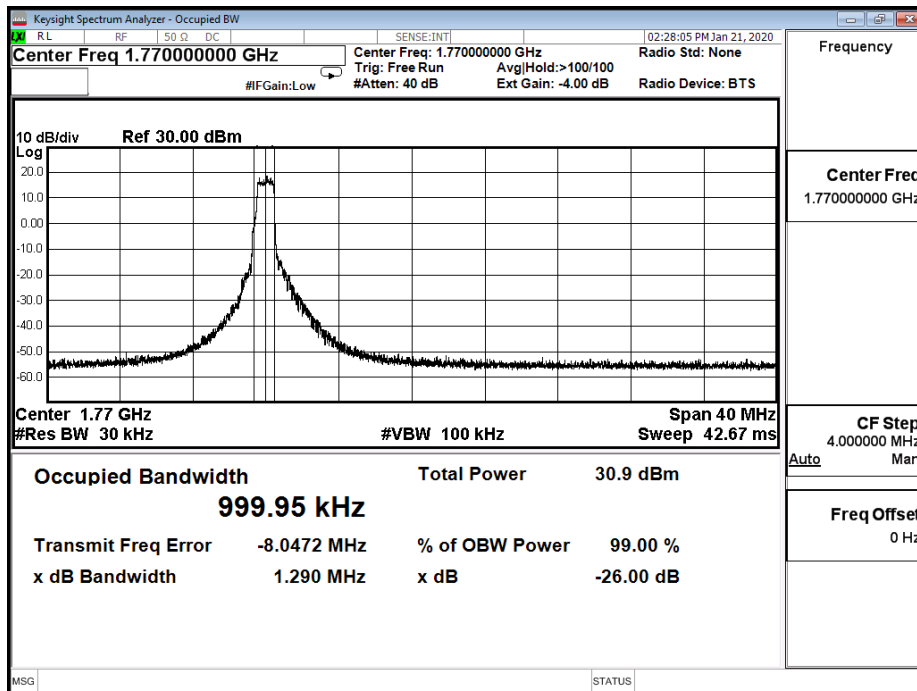
B66\_CH132572\_20M\_QPSK\_6RB0



B66\_CH132572\_20M\_16-QAM\_1RB5

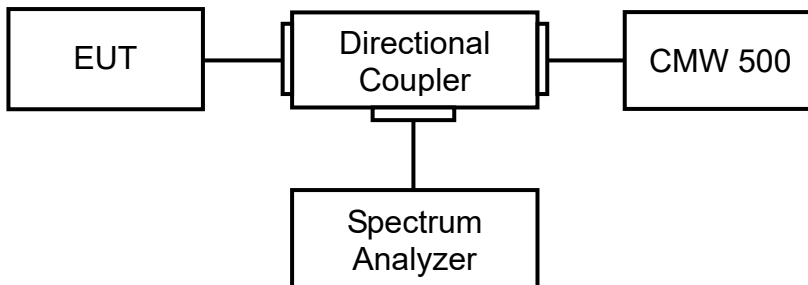


B66\_CH132572\_20M\_16-QAM\_5RB1



## 5. Peak To Average Ratio

### 5.1. Test Setup



### 5.2. Test Procedure

1. Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
3. Record the maximum PAPR level associated with a probability of 0.1 %.

### 5.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.7.2  
ANSI C63.26: 2015 Sub-clause 5.2.3.4

### 5.4. Limit

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13dB.

### 5.5. Test Result

Product	Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 1 : LTE Cat-M1_Band 2		
Date of Test	2020/02/08	Test Site	SR12-H
Temperature (°C)	19.0	Humidity (%RH)	58.0

Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	18607	1850.7	QPSK	28.11	23.01	4.93
			16-QAM	27.17	21.36	5.39
	18900	1880	QPSK	28.34	23.18	4.93
			16-QAM	27.46	21.90	5.41
	19193	1909.3	QPSK	28.20	23.42	4.78
			16-QAM	28.76	22.27	6.26
3M	18615	1851.5	QPSK	27.91	23.28	4.52
			16-QAM	28.38	22.16	6.02
	18900	1880	QPSK	28.44	23.29	4.91
			16-QAM	28.45	22.23	6.09
	19185	1908.5	QPSK	28.45	23.17	5.00
			16-QAM	27.60	21.96	5.46
5M	18625	1852.5	QPSK	28.04	23.15	4.65
			16-QAM	28.70	23.15	5.46
	18900	1880	QPSK	28.45	23.21	5.07
			16-QAM	28.74	23.03	5.57
	19175	1907.5	QPSK	28.77	23.21	5.33
			16-QAM	29.05	23.18	5.74
10M	18650	1855	QPSK	27.90	22.79	4.98
			16-QAM	28.11	22.88	5.04
	18900	1880	QPSK	28.15	22.87	5.07
			16-QAM	28.43	22.84	5.43
	19150	1905	QPSK	28.11	22.70	5.17
			16-QAM	28.53	22.71	5.65