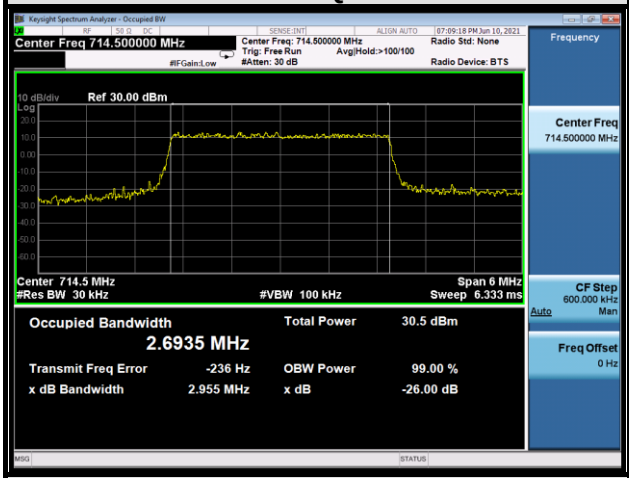
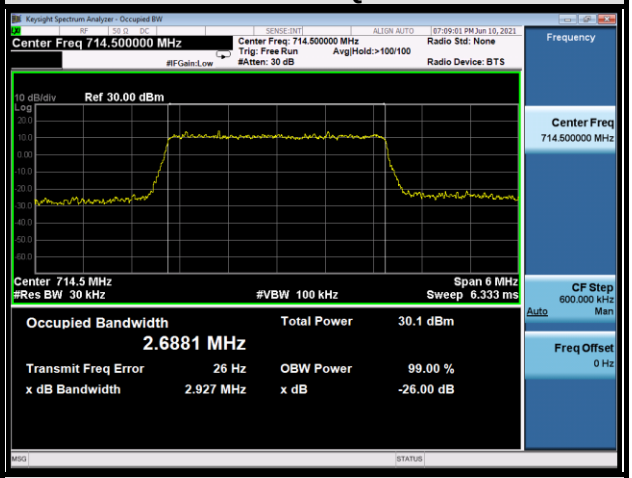
CHANNEL BANDWIDTH: 3MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23025	700.5	2.69	2.68	2.68	2.91	2.93	2.92
23095	707.5	2.68	2.68	2.68	2.90	2.91	2.92
23165	714.5	2.69	2.69	2.69	2.96	2.93	2.96

SPECTRUM PLOT OF WORST VALUE

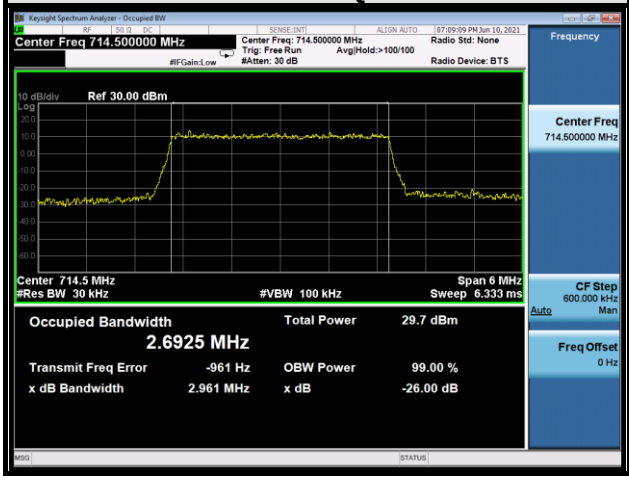
3MHz / QPSK



3MHz / 16QAM



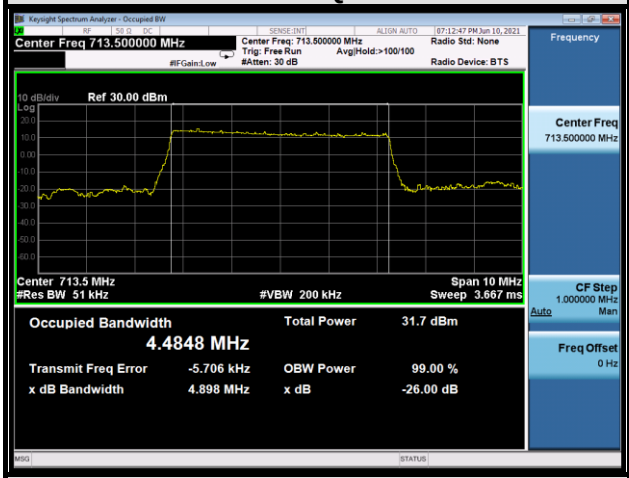
3MHz / 64QAM



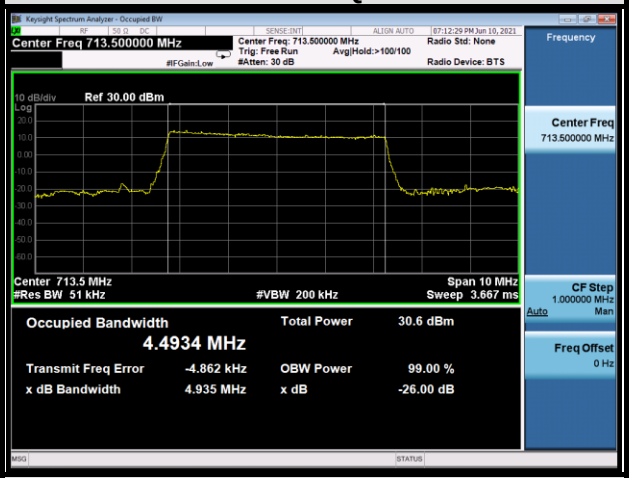
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23035	701.5	4.48	4.49	4.48	4.86	4.89	4.88
23095	707.5	4.48	4.46	4.45	4.88	4.89	4.91
23155	713.5	4.48	4.49	4.48	4.90	4.94	4.92

SPECTRUM PLOT OF WORST VALUE

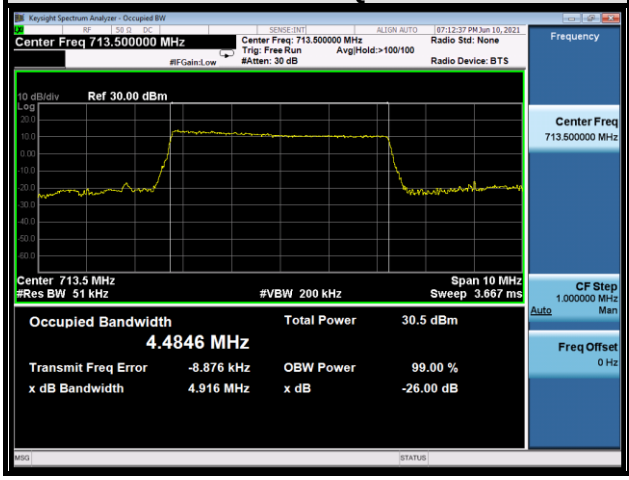
5MHz / QPSK



5MHz / 16QAM



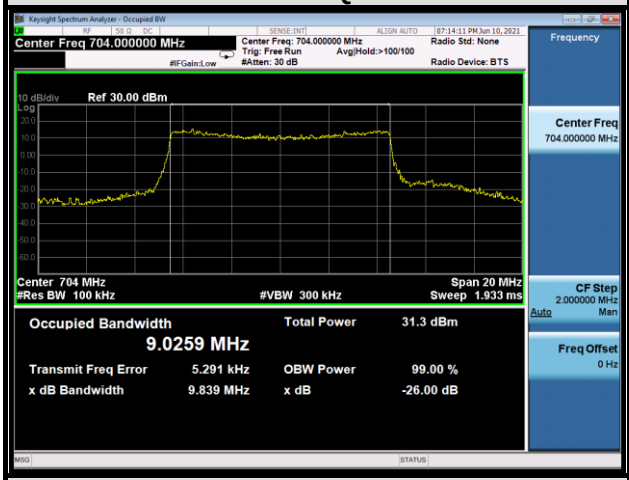
5MHz / 64QAM



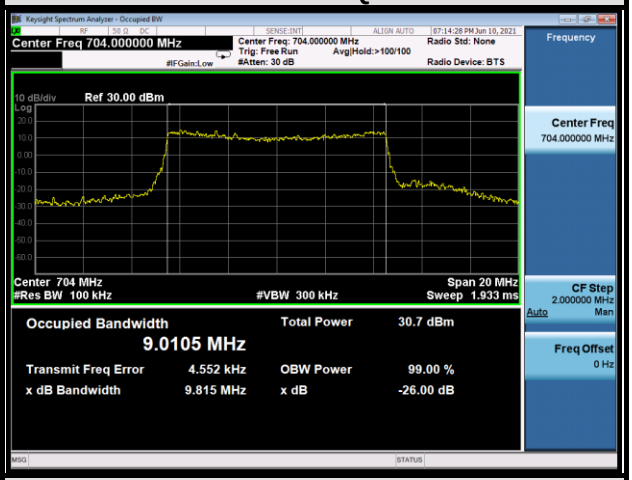
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23060	704	9.03	9.01	9.03	9.84	9.82	9.78
23095	707.5	8.96	8.90	8.89	9.61	9.52	9.52
23130	711	8.86	8.86	8.87	9.44	9.40	9.52

SPECTRUM PLOT OF WORST VALUE

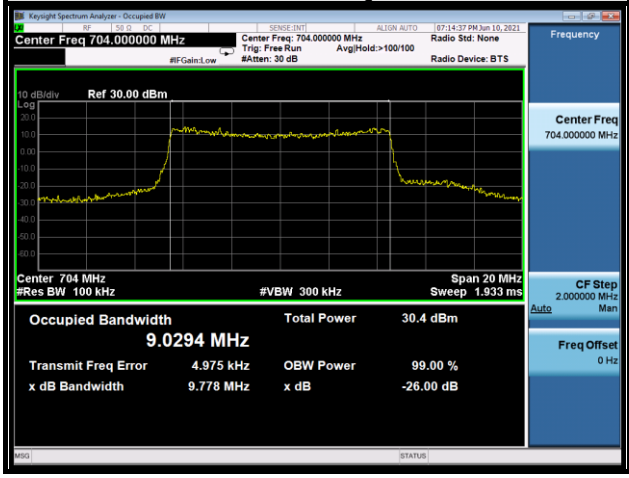
10MHz / QPSK



10MHz / 16QAM



10MHz / 64QAM

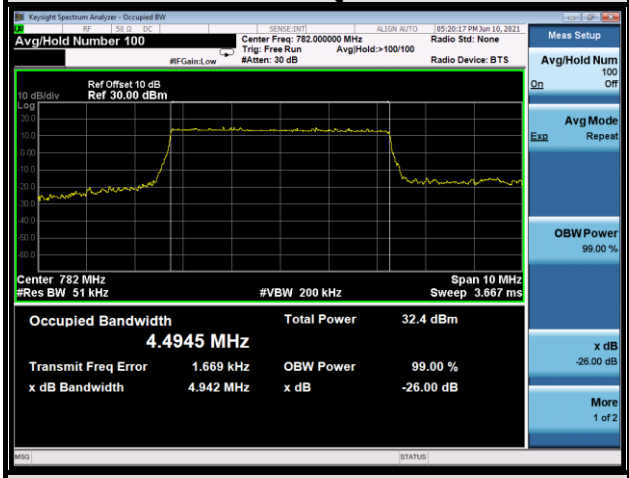


LTE BAND 13

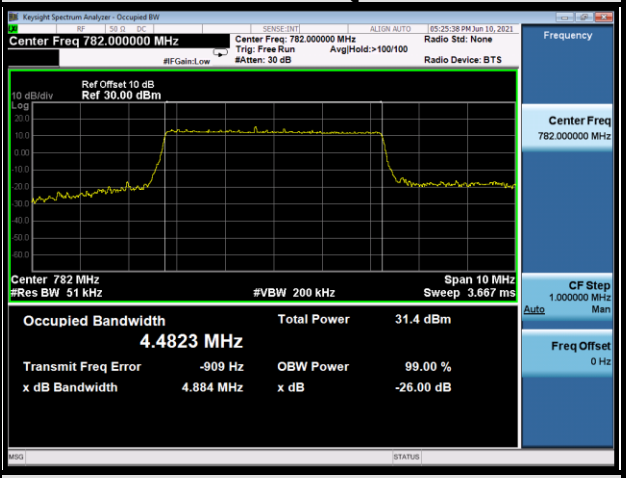
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23205	779.5	4.47	4.46	4.46	4.87	4.91	4.89
23230	782	4.49	4.48	4.48	4.94	4.88	4.87
23255	784.5	4.47	4.48	4.47	4.92	4.94	4.98

SPECTRUM PLOT OF WORST VALUE

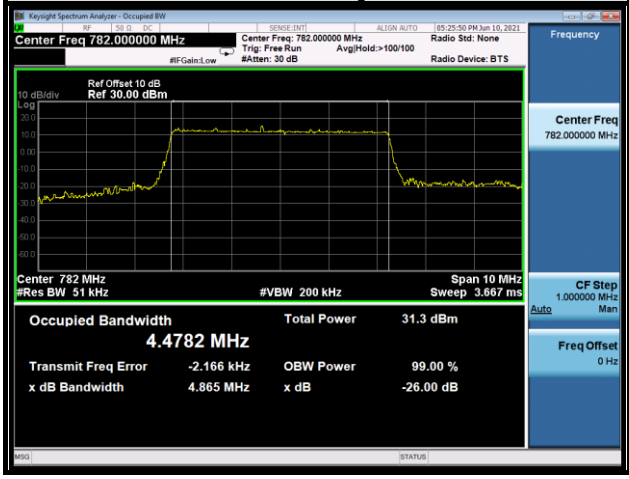
5MHz / QPSK



5MHz / 16QAM



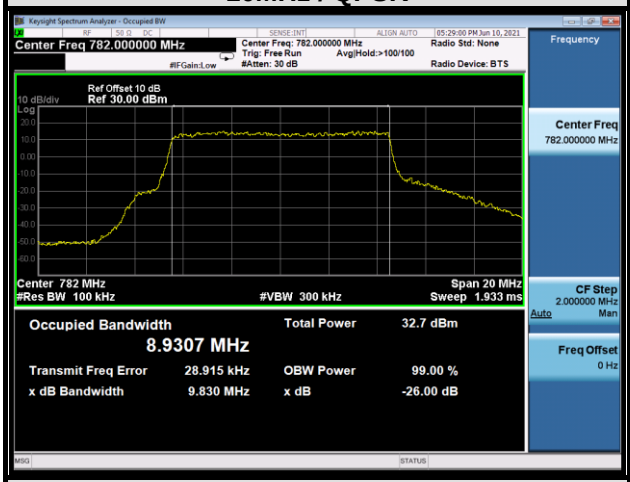
5MHz / 64QAM



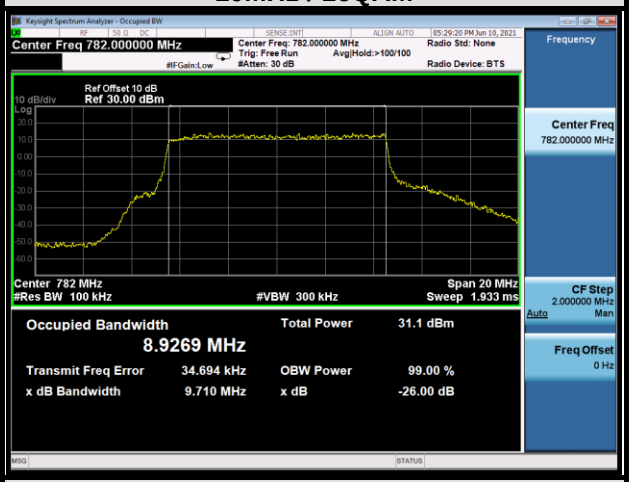
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
-	-	-	-	-	-	-	-
23230	782	8.93	8.93	8.94	9.83	9.71	9.63
-	-	-	-	-	-	-	-

SPECTRUM PLOT OF WORST VALUE

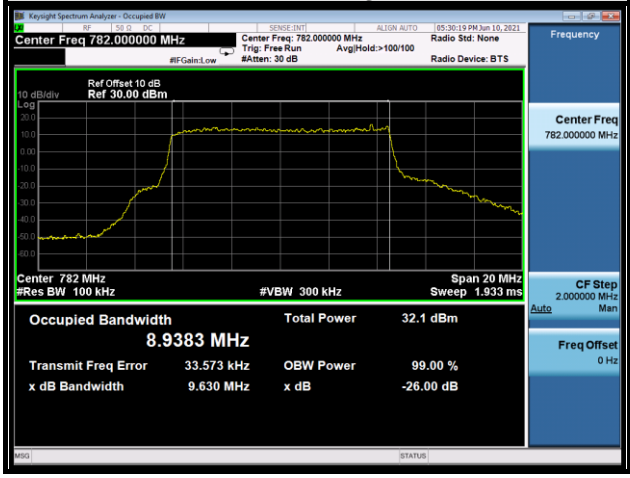
10MHz / QPSK



10MHz / 16QAM



10MHz / 64QAM

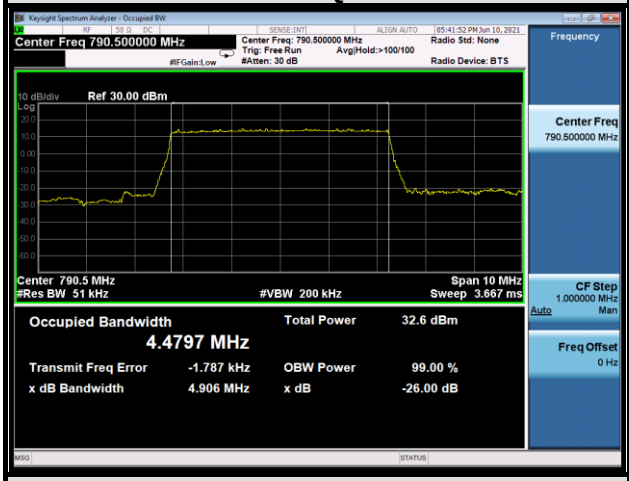


LTE BAND 14

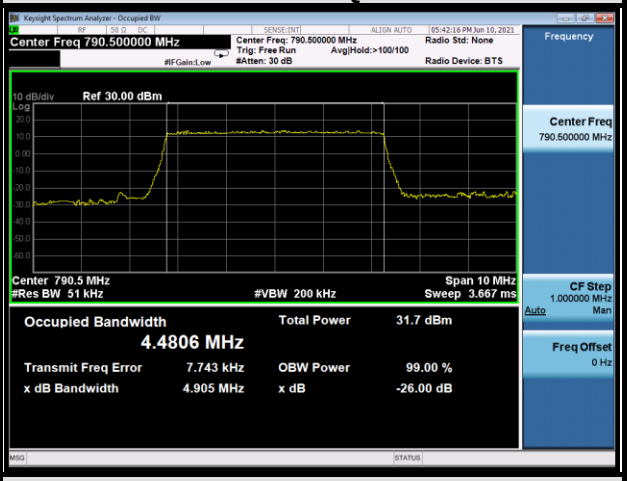
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23305	790.5	4.48	4.48	4.47	4.91	4.91	4.90
23330	793	4.47	4.47	4.47	4.89	4.87	4.87
23355	795.5	4.46	4.47	4.46	4.85	4.92	4.88

SPECTRUM PLOT OF WORST VALUE

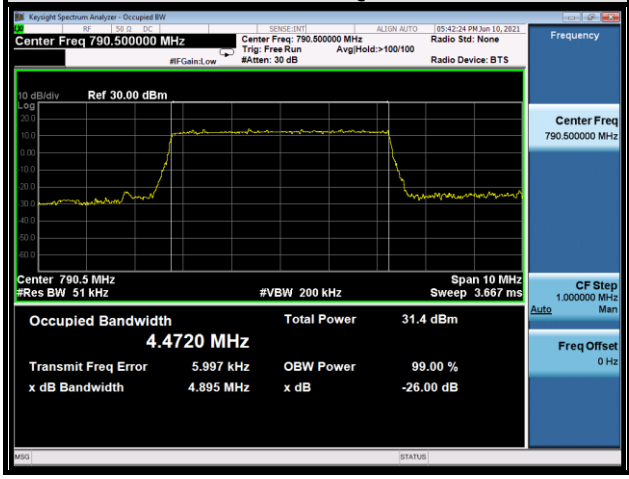
5MHz / QPSK



5MHz / 16QAM



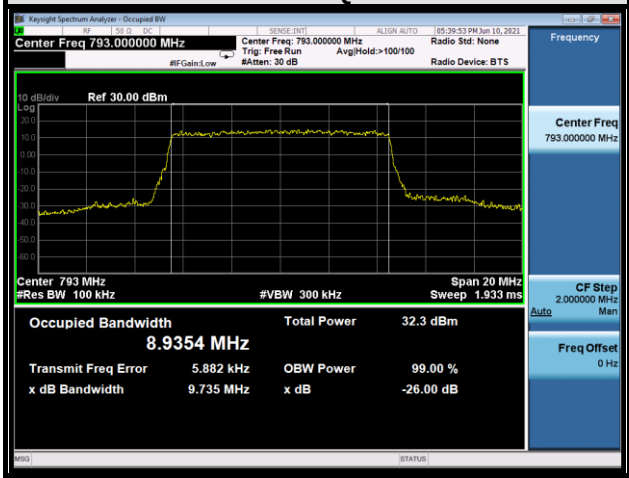
5MHz / 64QAM



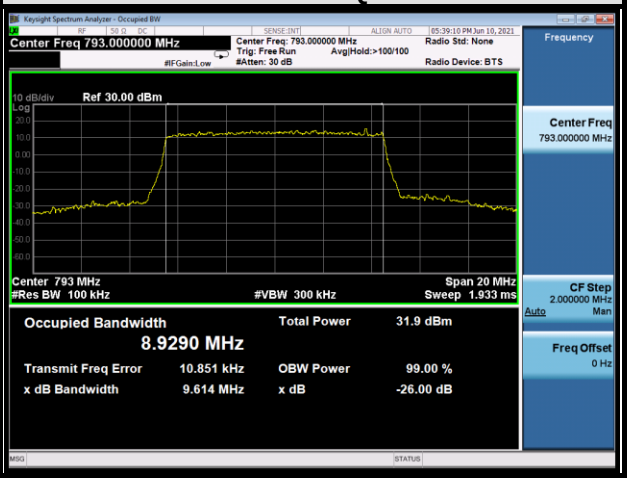
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
-	-	-	-	-	-	-	-
23330	793	8.94	8.93	8.92	9.735	9.614	9.53
-	-	-	-	-	-	-	-

SPECTRUM PLOT OF WORST VALUE

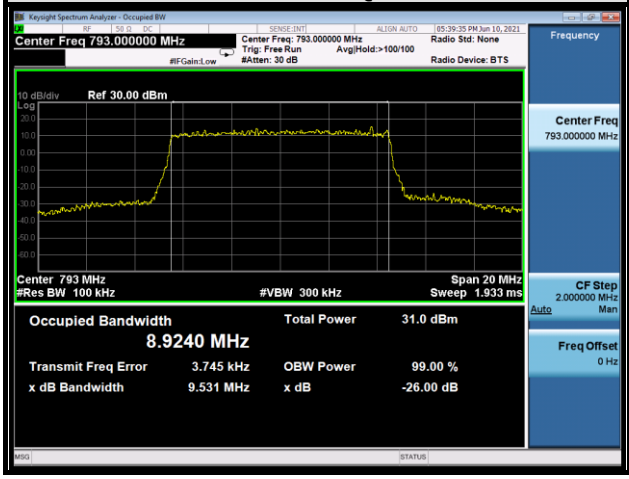
10MHz / QPSK



10MHz / 16QAM



10MHz / 64QAM

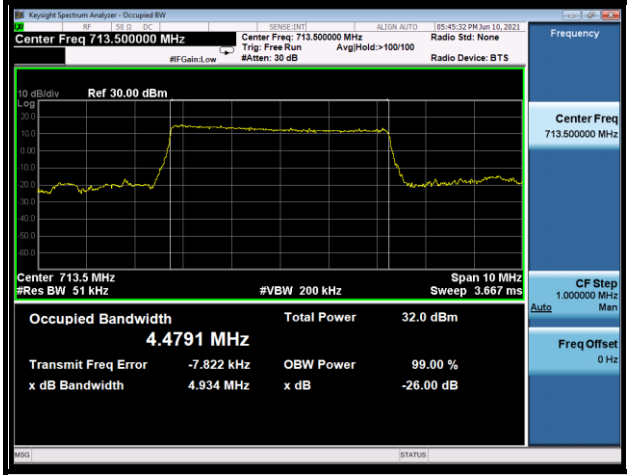


LTE BAND 17

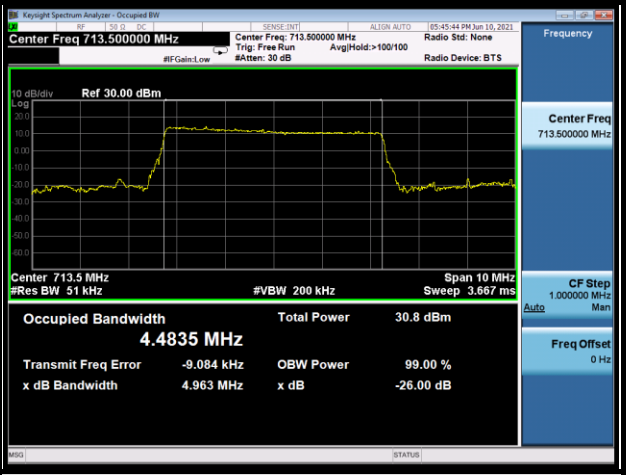
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23755	706.5	4.47	4.48	4.47	4.86	4.89	4.87
23790	710	4.47	4.45	4.42	4.89	4.79	4.81
23825	713.5	4.48	4.48	4.48	4.93	4.96	4.91

SPECTRUM PLOT OF WORST VALUE

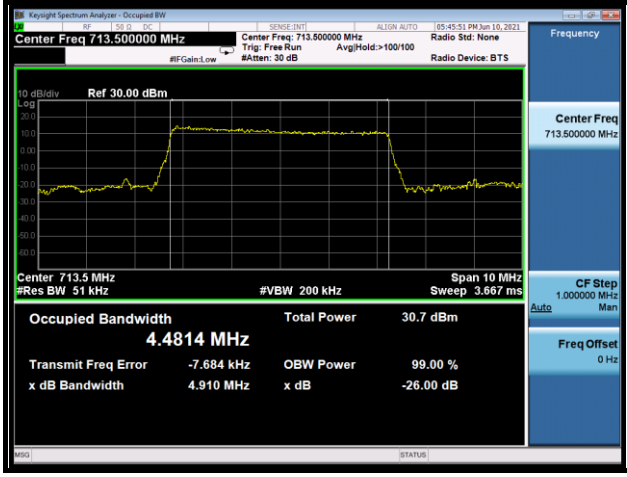
5MHz / QPSK



5MHz / 16QAM



5MHz / 64QAM



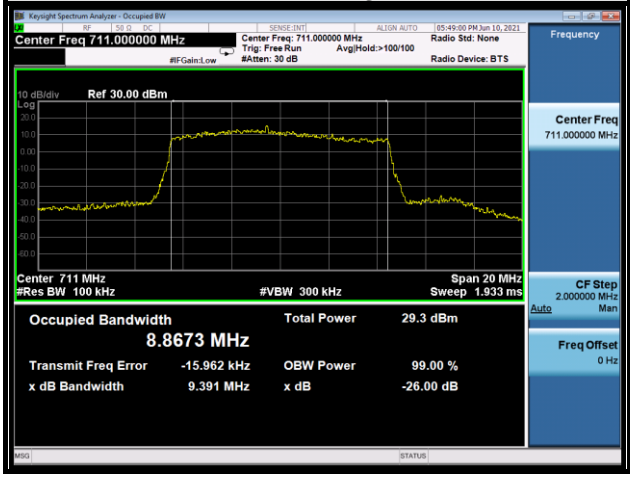
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23780	709	8.84	8.84	8.85	9.423	9.474	9.44
23790	710	8.86	8.83	8.85	9.563	9.476	9.47
23800	711	8.87	8.85	8.87	9.474	9.535	9.39

SPECTRUM PLOT OF WORST VALUE

10MHz / QPSK

10MHz / 16QAM

10MHz / 64QAM

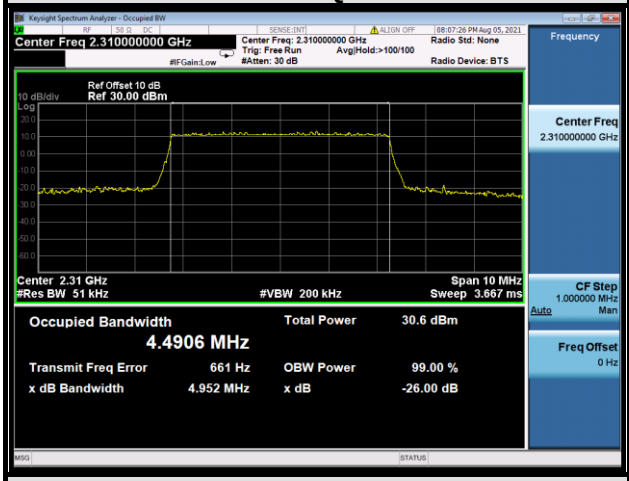


LTE BAND 30

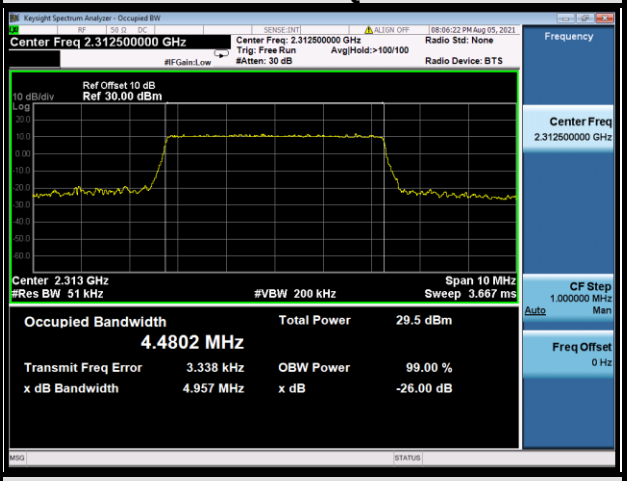
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
27685	2307.5	4.46	4.47	4.46	4.82	4.93	4.94
27710	2310	4.49	4.47	4.46	4.95	4.87	4.91
27735	2312.5	4.48	4.47	4.48	4.96	4.97	5.01

SPECTRUM PLOT OF WORST VALUE

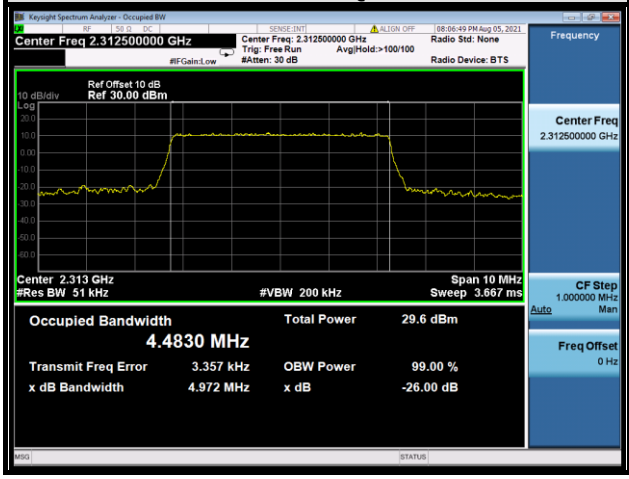
5MHz / QPSK



5MHz / 16QAM



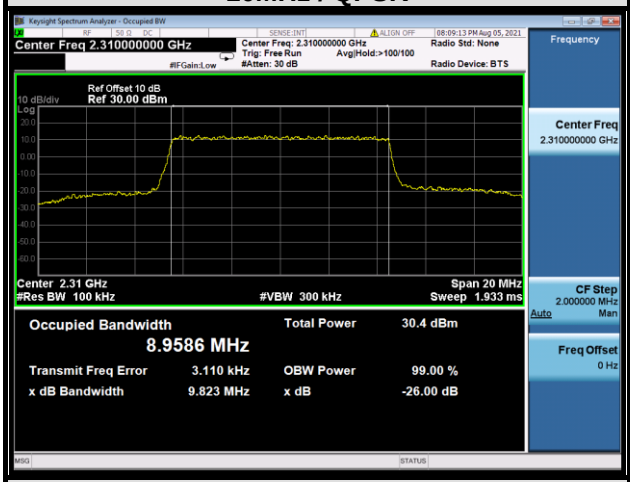
5MHz / 64QAM



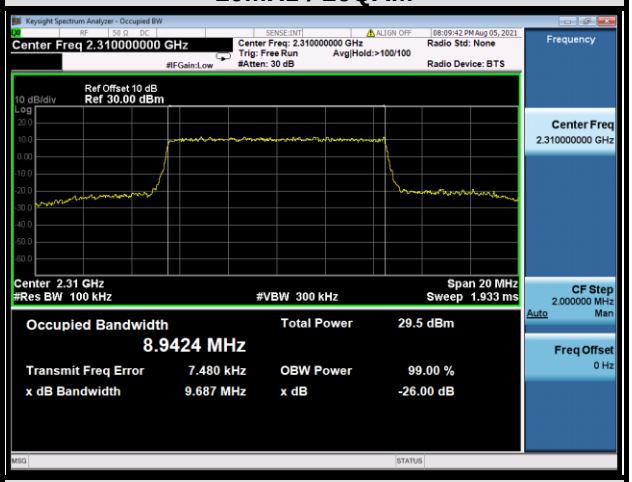
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
-	-	-	-	-	-	-	-
27710	2310	8.96	8.94	8.95	9.82	9.69	9.74
-	-	-	-	-	-	-	-

SPECTRUM PLOT OF WORST VALUE

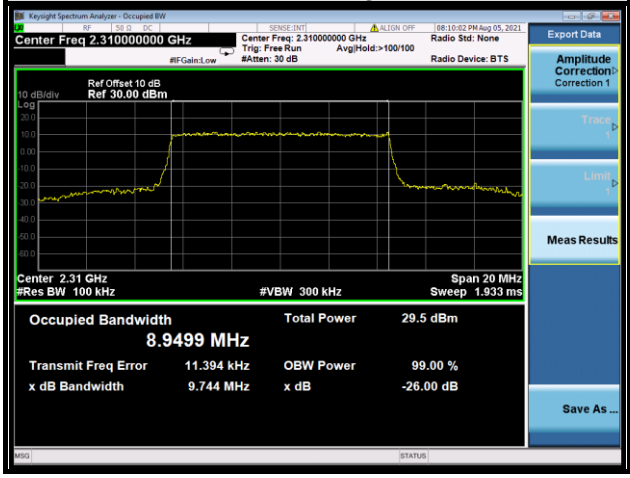
10MHz / QPSK



10MHz / 16QAM



10MHz / 64QAM

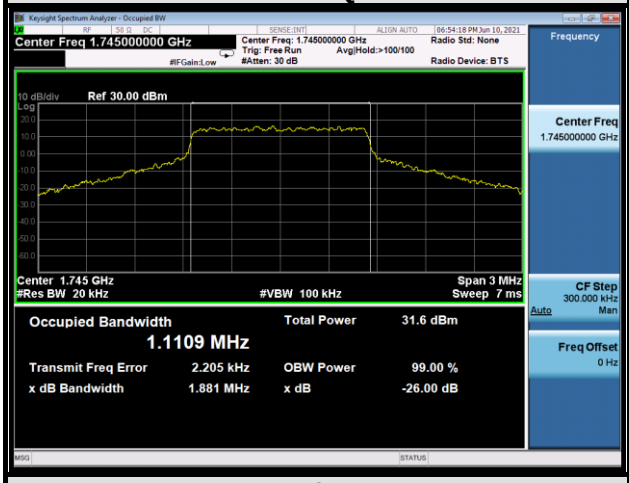


LTE BAND 66

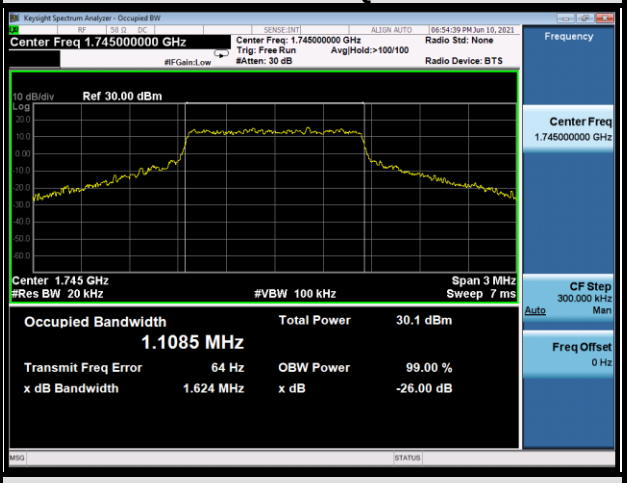
CHANNEL BANDWIDTH: 1.4MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
131979	1710.7	1.10	1.10	1.69	1.66	1.53	1.50
132322	1745	1.11	1.11	1.11	1.88	1.62	1.66
132665	1779.3	1.11	1.10	1.10	1.80	1.74	1.60

SPECTRUM PLOT OF WORST VALUE

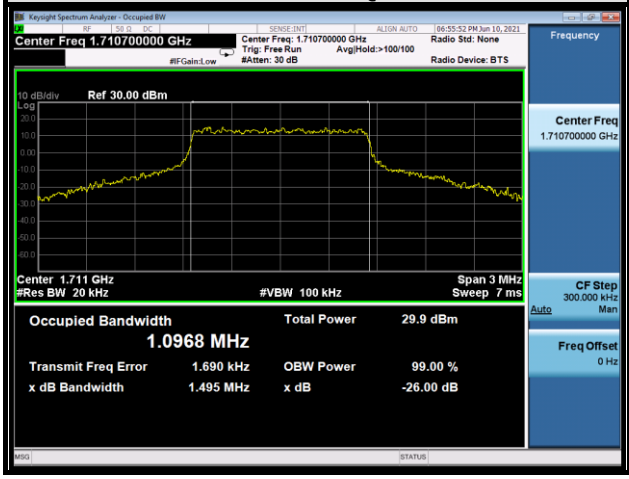
1.4MHz / QPSK



1.4MHz / 16QAM



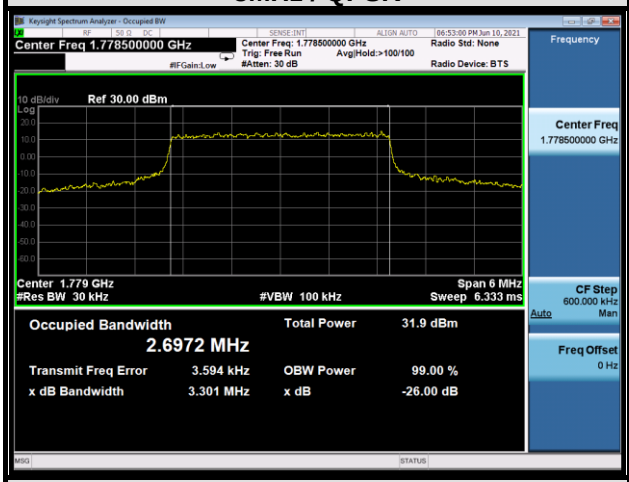
1.4MHz / 64QAM



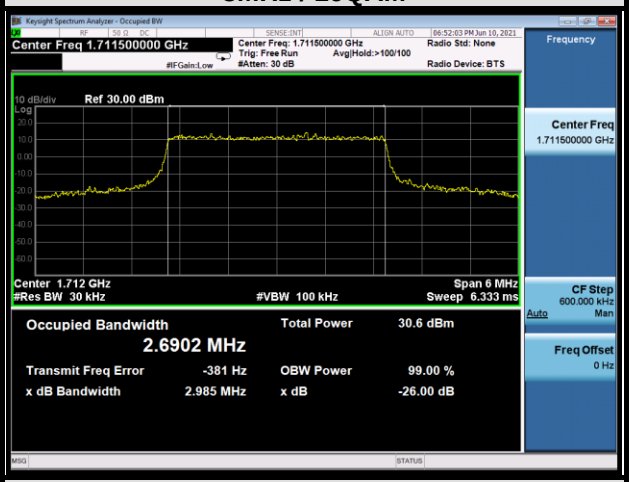
CHANNEL BANDWIDTH: 3MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
131987	1711.5	2.69	2.69	2.69	3.18	2.99	2.95
132322	1745	2.69	2.69	2.68	3.09	3.05	3.08
132657	1778.5	2.70	2.69	2.69	3.30	2.98	3.02

SPECTRUM PLOT OF WORST VALUE

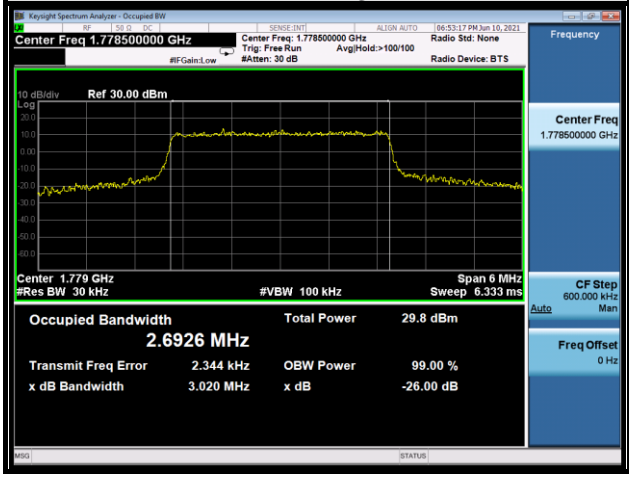
3MHz / QPSK



3MHz / 16QAM



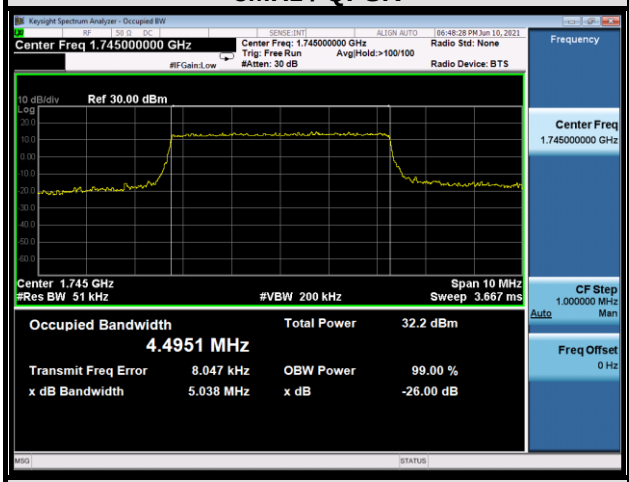
3MHz / 64QAM



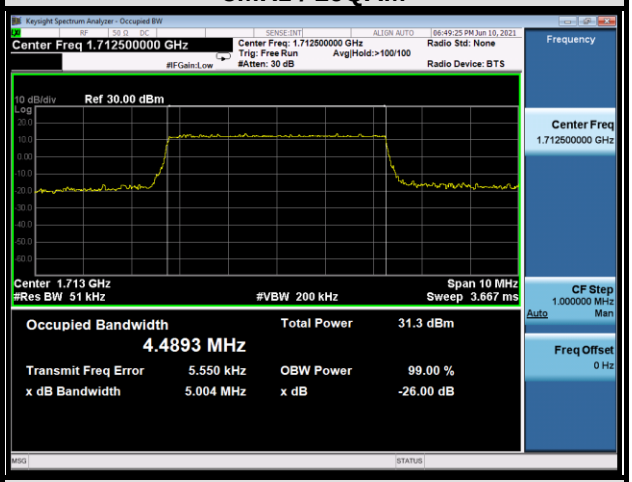
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
131997	1712.5	4.49	4.49	4.48	5.09	5.00	4.98
132322	1745	4.50	4.48	4.47	5.04	4.92	4.89
132647	1777.5	4.48	4.48	4.49	5.53	5.03	5.17

SPECTRUM PLOT OF WORST VALUE

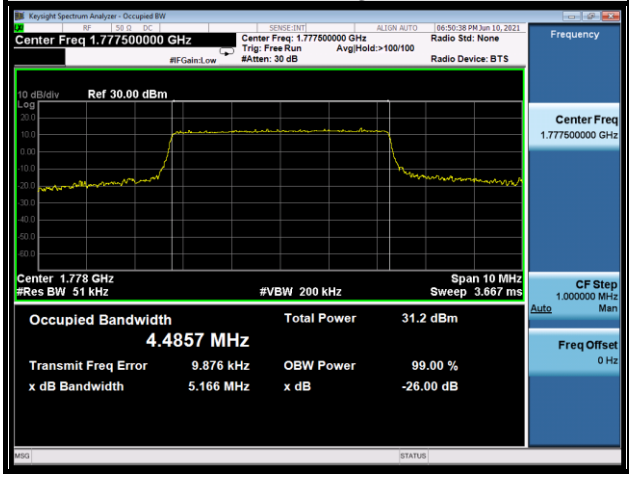
5MHz / QPSK



5MHz / 16QAM



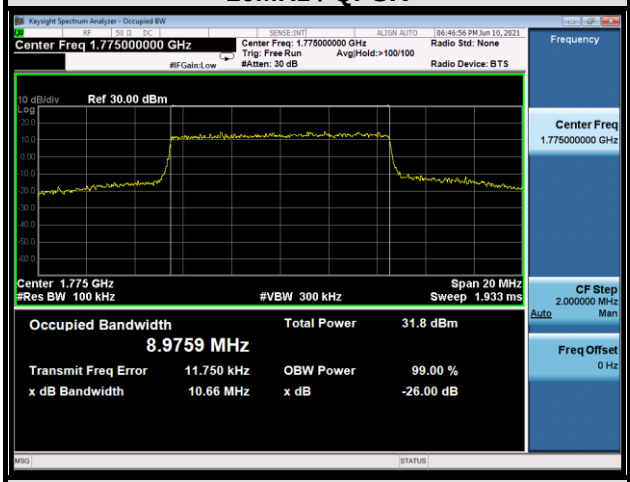
5MHz / 64QAM



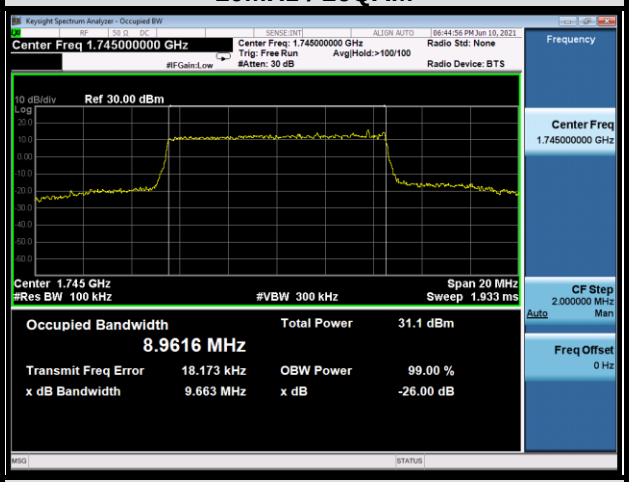
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
132022	1715	8.96	8.97	8.95	9.85	9.71	9.76
132322	1745	8.97	8.96	8.97	9.82	9.66	9.71
132622	1775	8.98	8.96	8.96	10.66	10.68	9.74

SPECTRUM PLOT OF WORST VALUE

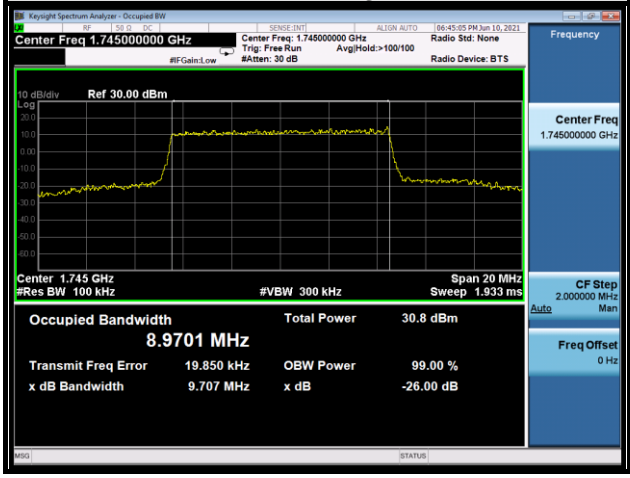
10MHz / QPSK



10MHz / 16QAM



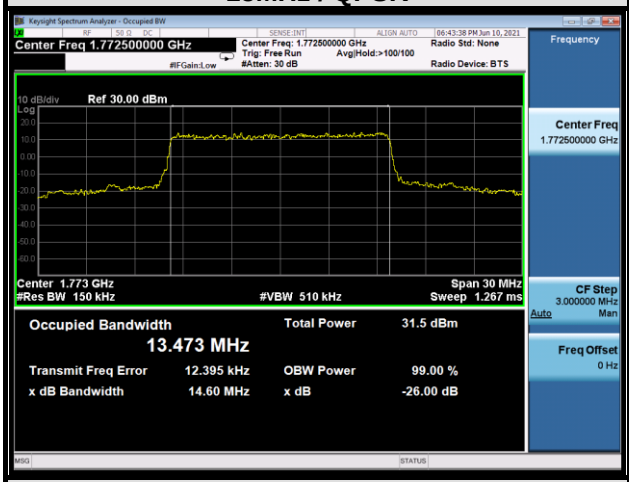
10MHz / 64QAM



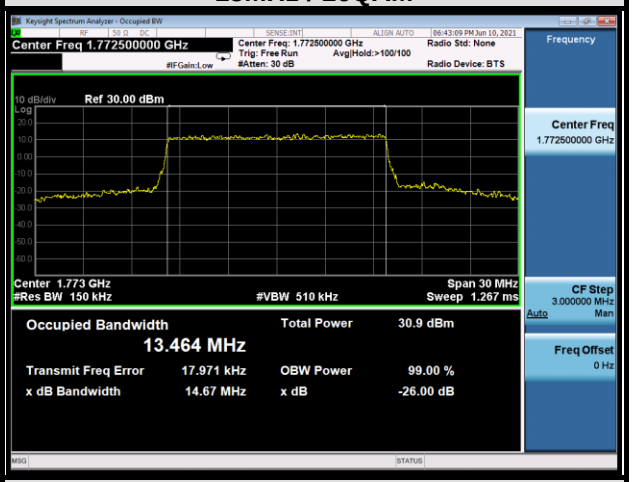
CHANNEL BANDWIDTH: 15MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
132047	1717.5	13.41	13.40	13.43	14.43	14.52	14.38
132322	1745	13.46	13.44	13.42	14.58	14.56	14.60
132597	1772.5	13.47	13.46	13.44	14.60	14.67	14.42

SPECTRUM PLOT OF WORST VALUE

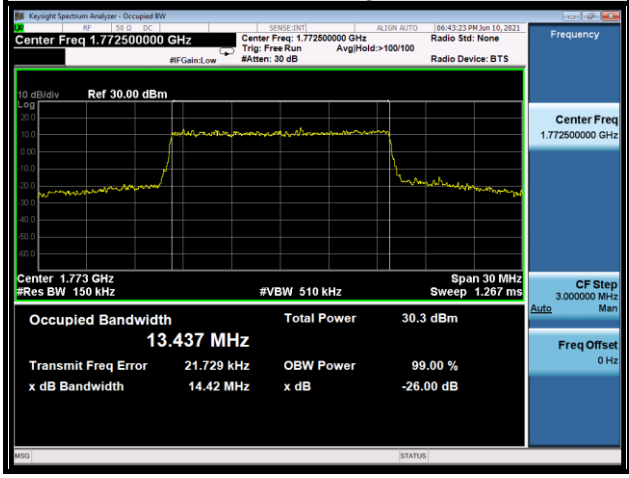
15MHz / QPSK



15MHz / 16QAM



15MHz / 64QAM

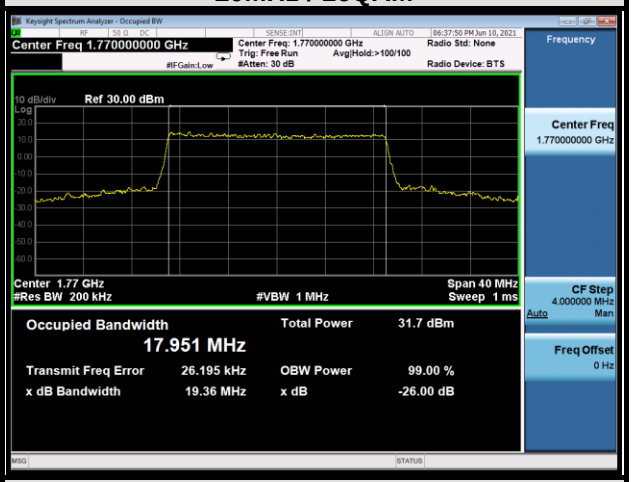


CHANNEL BANDWIDTH: 20MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
132072	1720	17.82	17.85	17.83	18.96	18.92	19.20
132322	1745	17.91	17.93	17.92	19.31	19.32	19.12
132572	1770	17.98	17.95	17.92	19.38	19.36	19.26

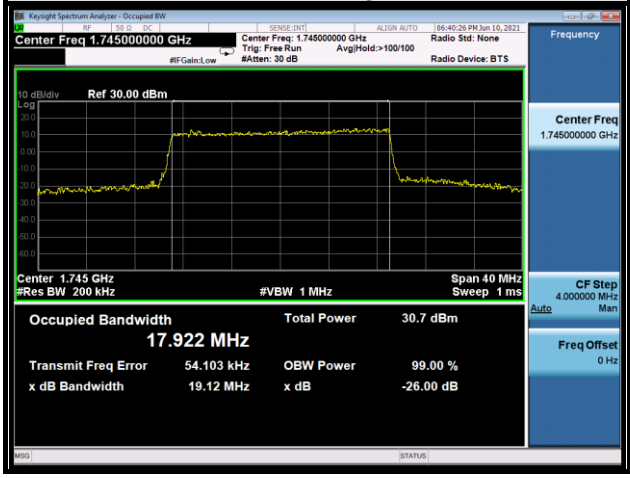
SPECTRUM PLOT OF WORST VALUE

20MHz / QPSK

20MHz / 16QAM



20MHz / 64QAM

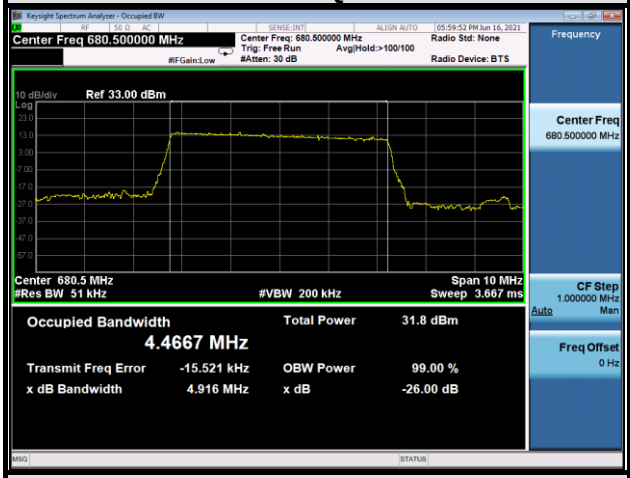


LTE BAND 71

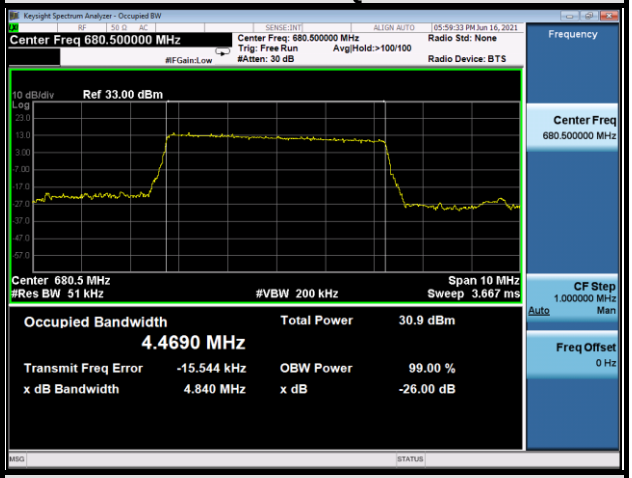
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
133147	665.5	4.46	4.46	4.45	4.87	4.86	4.84
133297	680.5	4.47	4.47	4.47	4.92	4.84	4.90
133447	695.5	4.46	4.47	4.48	4.89	4.91	4.95

SPECTRUM PLOT OF WORST VALUE

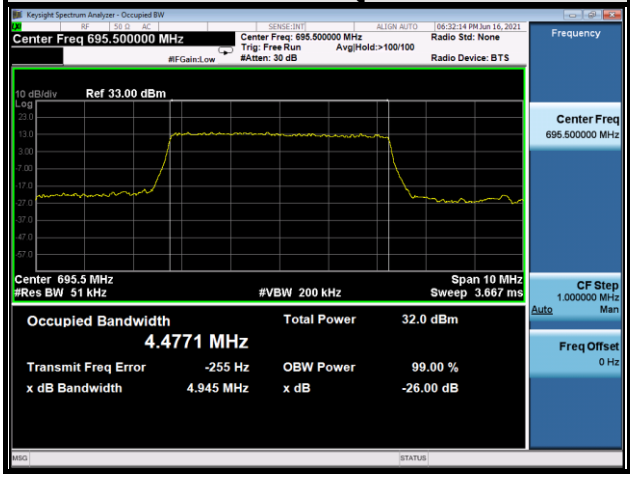
5MHz / QPSK



5MHz / 16QAM



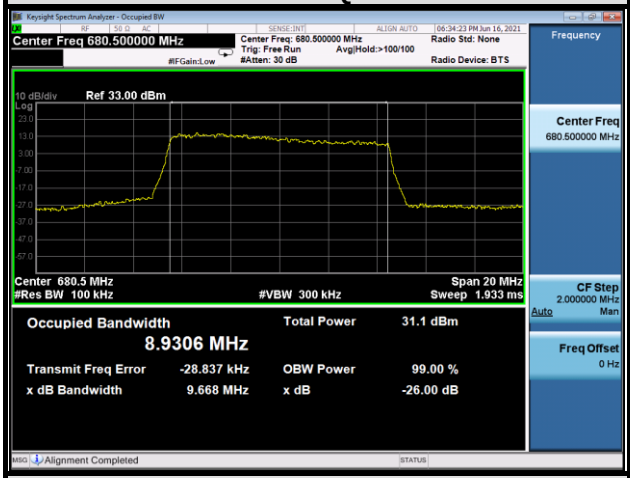
5MHz / 64QAM

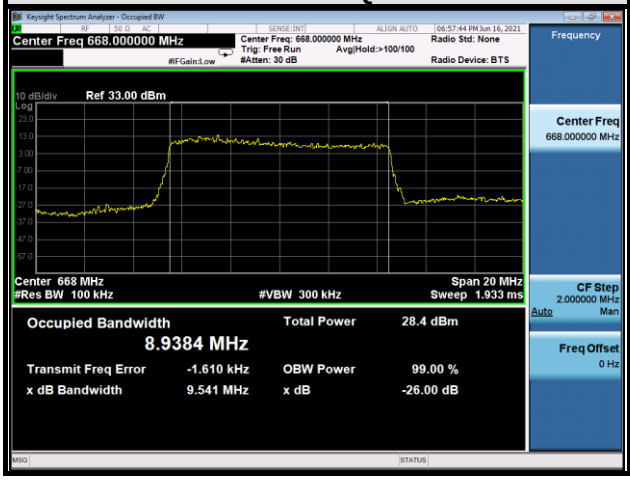


CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
133172	668	8.93	8.95	8.94	9.59	9.53	9.54
133297	680.5	8.93	8.92	8.91	9.67	9.55	9.58
133422	693	8.92	8.92	8.90	9.67	9.63	9.65

SPECTRUM PLOT OF WORST VALUE

10MHz / QPSK



10MHz / 16QAM

10MHz / 64QAM