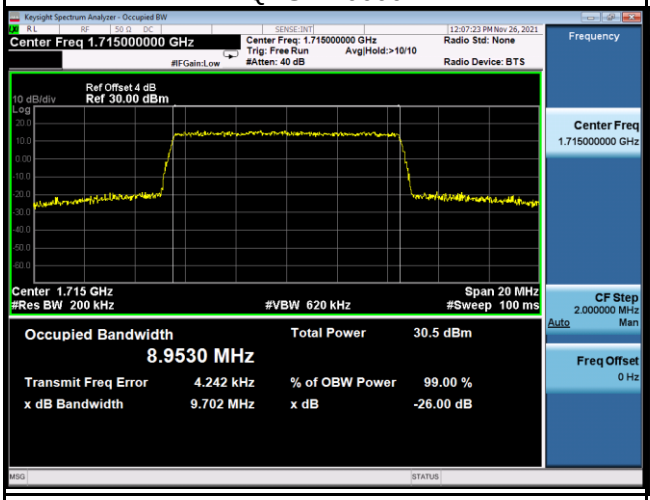
Spectrum Plot

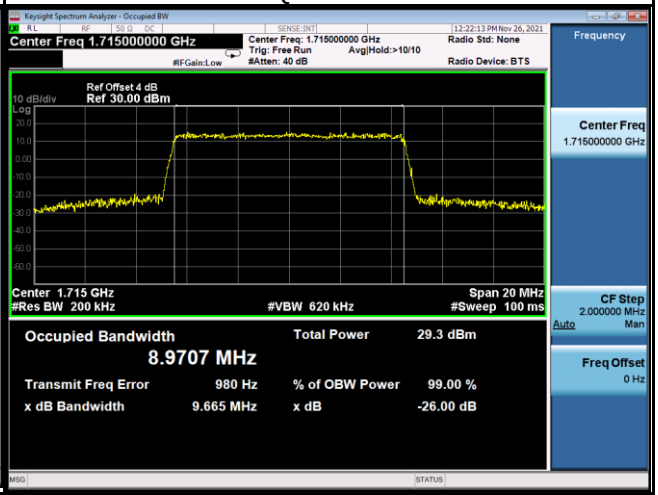
QPSK-20000



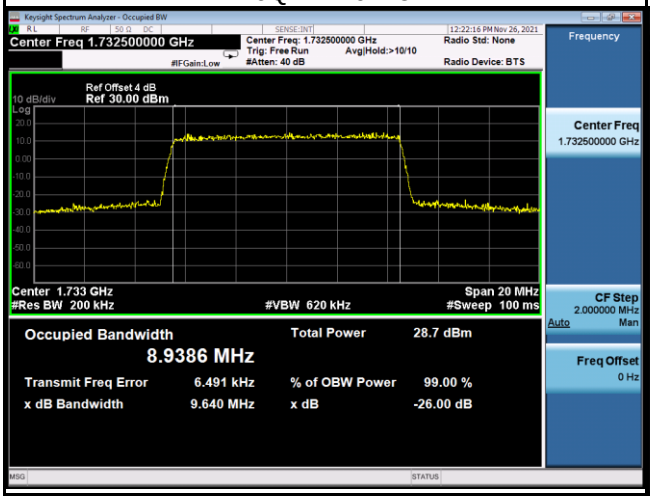
QPSK-20175

QPSK-20350

16QAM-20000



16QAM-20175

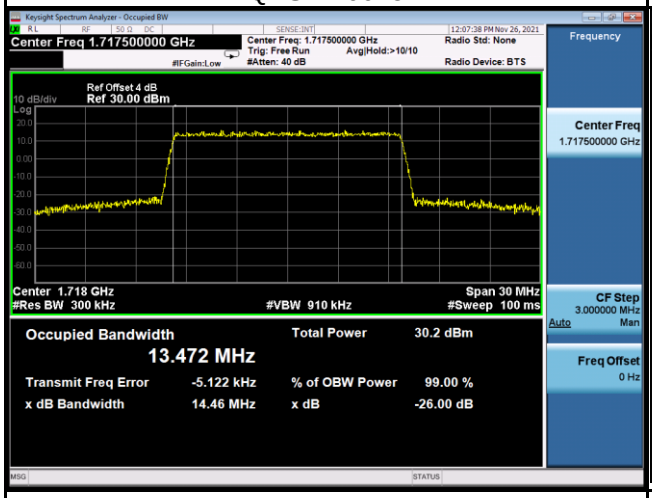


16QAM-20350

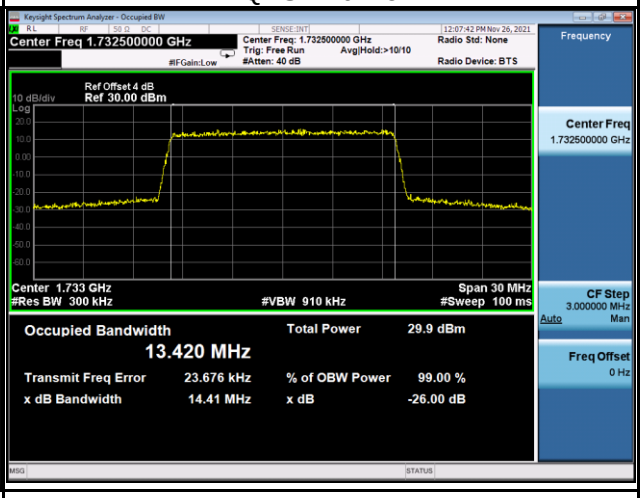
LTE Band 4_15M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20025	1717.5	13.4720	20025	1717.5	13.4510
20175	1732.5	13.4200	20175	1732.5	13.4070
20325	1747.5	13.4420	20325	1747.5	13.4270
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20025	1717.5	14.460	20025	1717.5	14.440
20175	1732.5	14.410	20175	1732.5	14.390
20325	1747.5	14.410	20325	1747.5	14.380

Spectrum Plot

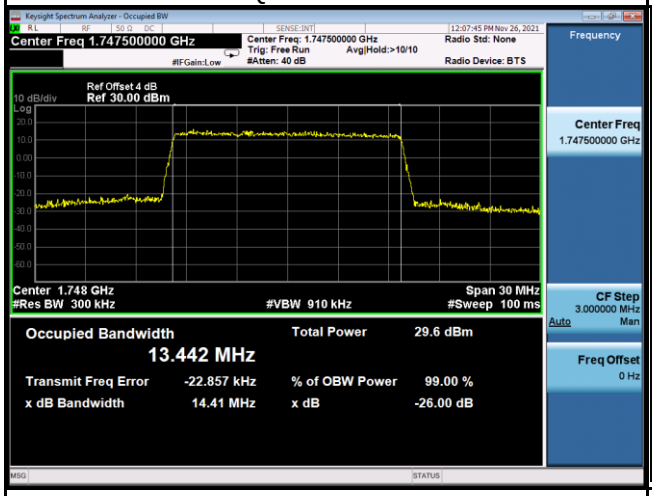
QPSK-20025



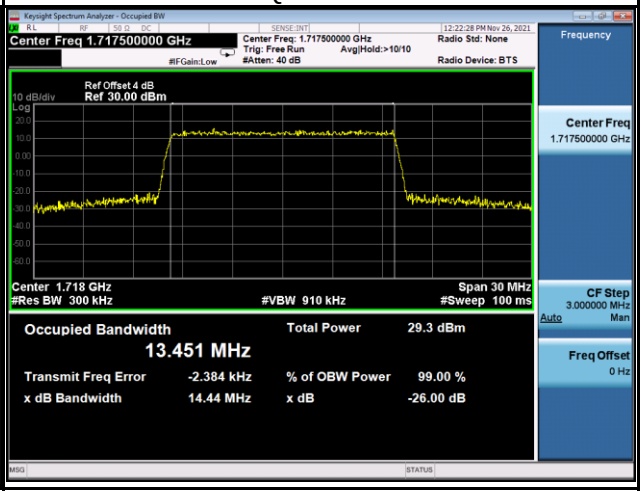
QPSK-20175



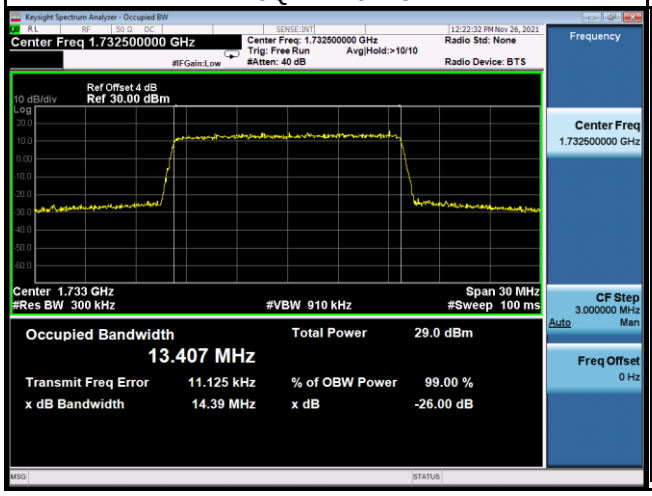
QPSK-20325



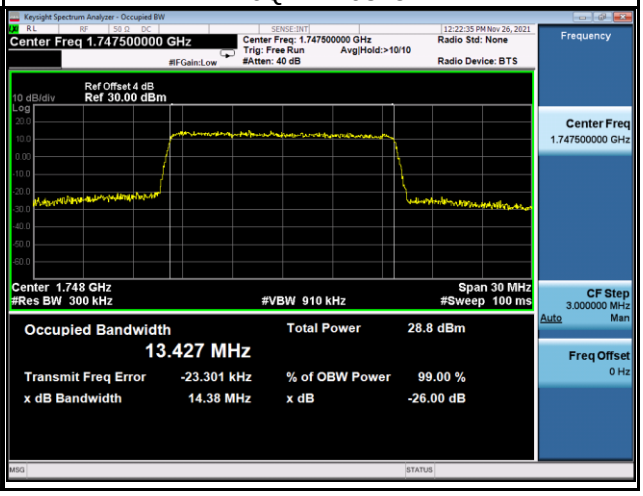
16QAM-20025



16QAM-20175



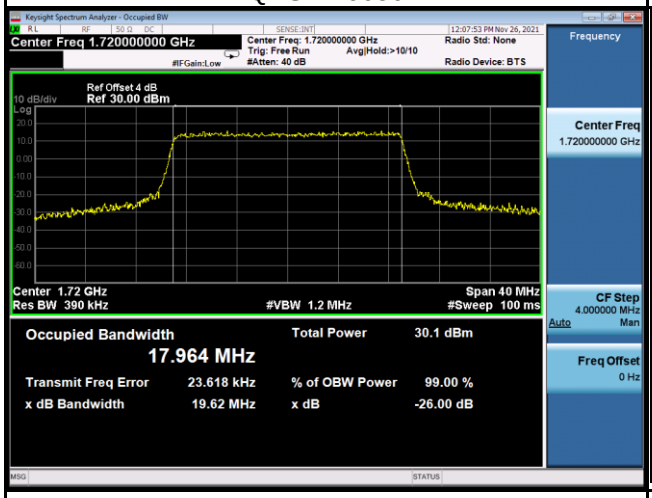
16QAM-20325



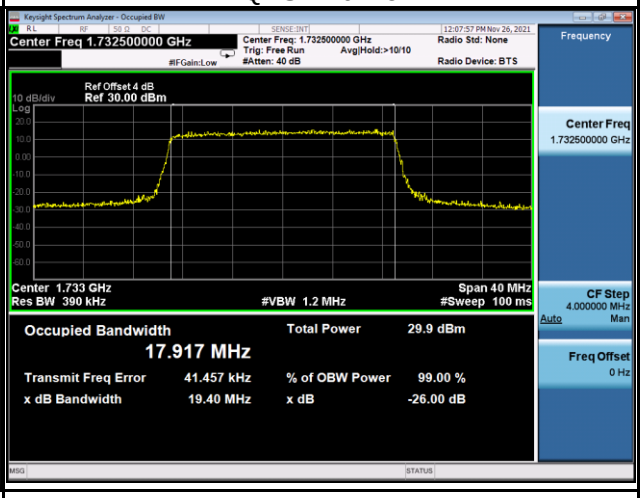
LTE Band 4_20M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20050	1720	17.9640	20050	1720	17.9390
20175	1732.5	17.9170	20175	1732.5	17.9040
20300	1745	17.8830	20300	1745	17.8660
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20050	1720	19.620	20050	1720	19.420
20175	1732.5	19.400	20175	1732.5	19.470
20300	1745	19.530	20300	1745	19.540

Spectrum Plot

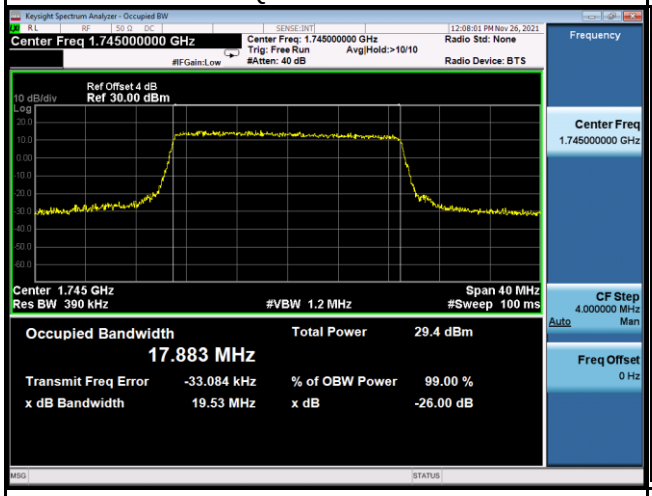
QPSK-20050



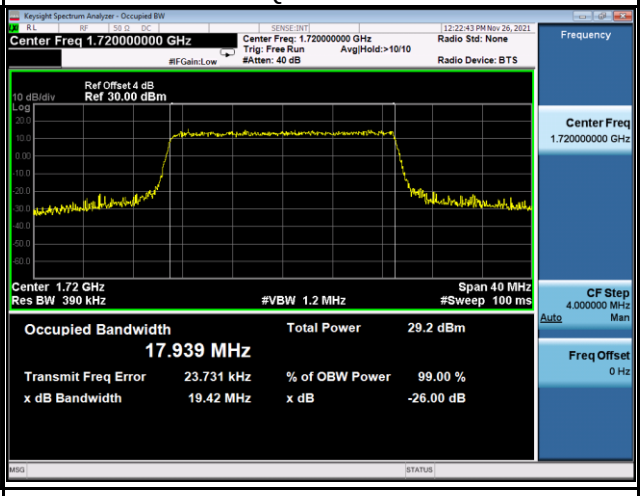
QPSK-20175



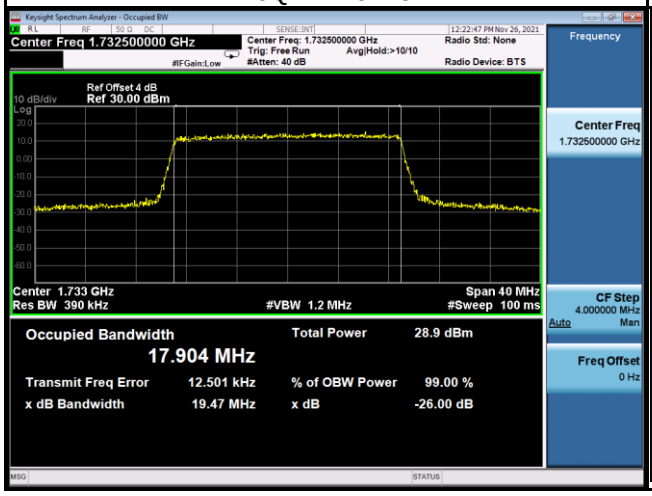
QPSK-20300



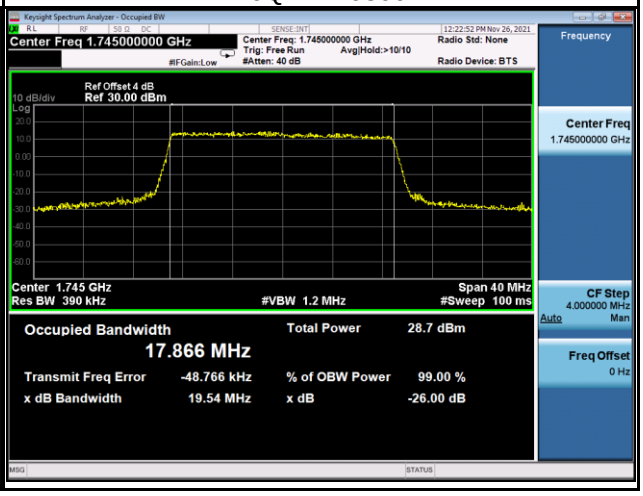
16QAM-20050



16QAM-20175



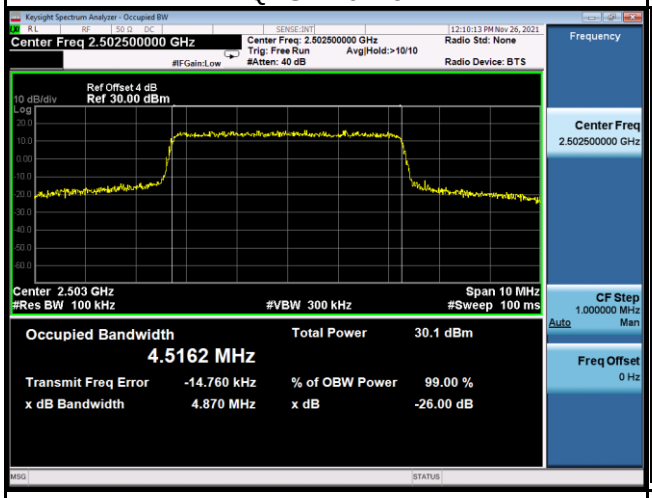
16QAM-20300



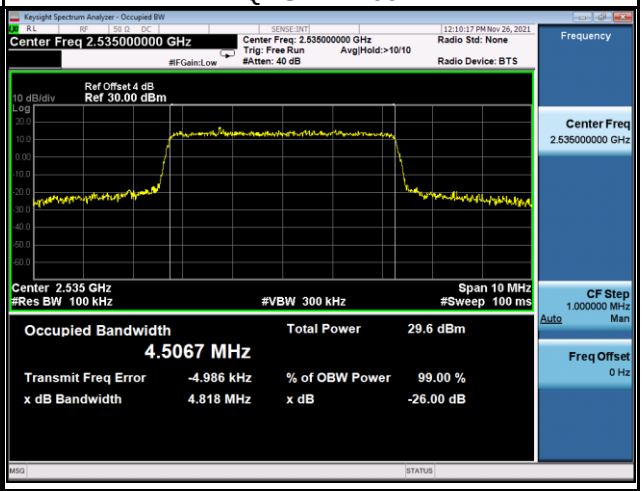
LTE Band 7_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20775	2502.5	4.5162	20775	2502.5	4.4985
21100	2535	4.5067	21100	2535	4.4969
21425	2567.5	4.5076	21425	2567.5	4.5046
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20775	2502.5	4.870	20775	2502.5	4.838
21100	2535	4.818	21100	2535	4.862
21425	2567.5	4.859	21425	2567.5	4.856

Spectrum Plot

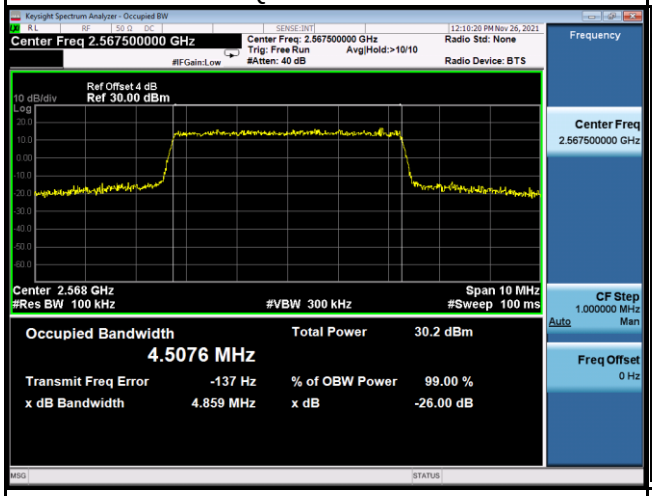
QPSK-20775



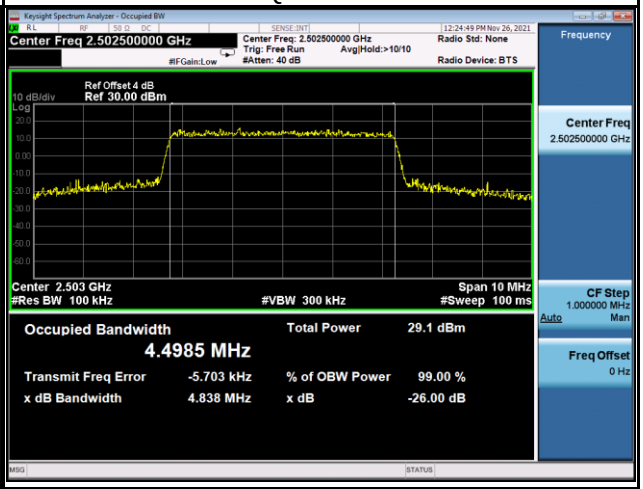
QPSK-21100



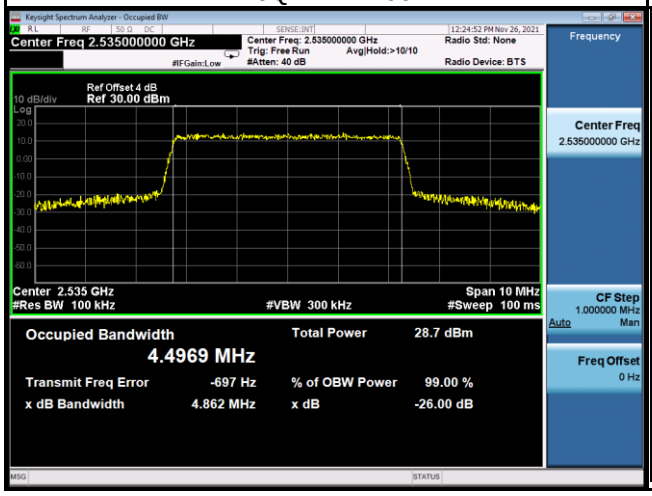
QPSK-21425



16QAM-20775



16QAM-21100

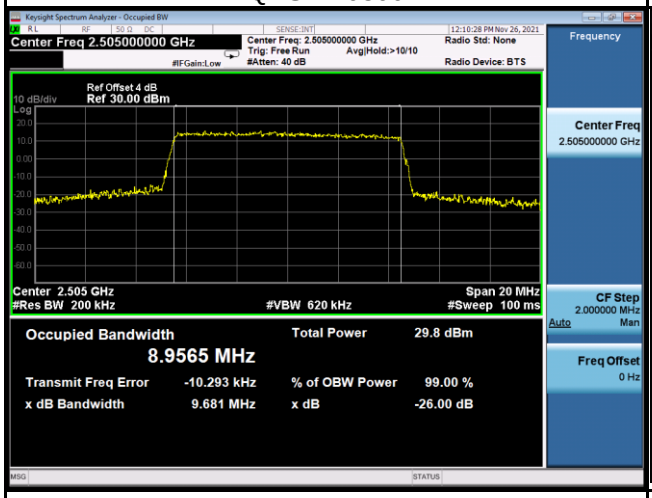


16QAM-21425

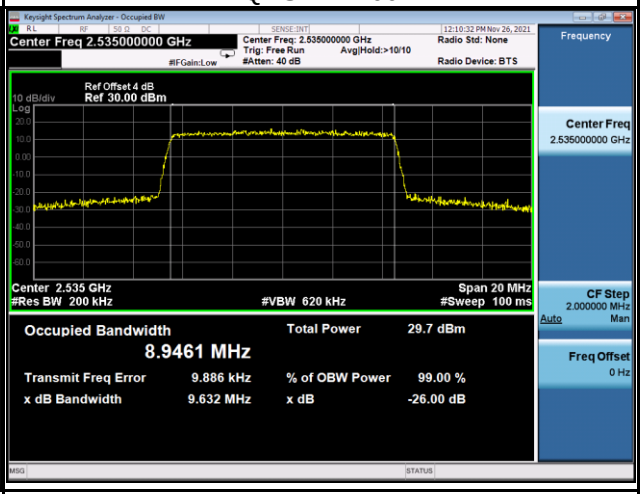
LTE Band 7_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20800	2505	8.9565	20800	2505	8.9431
21100	2535	8.9461	21100	2535	8.9358
21400	2565	8.9598	21400	2565	8.9496
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20800	2505	9.681	20800	2505	9.642
21100	2535	9.632	21100	2535	9.591
21400	2565	9.697	21400	2565	9.619

Spectrum Plot

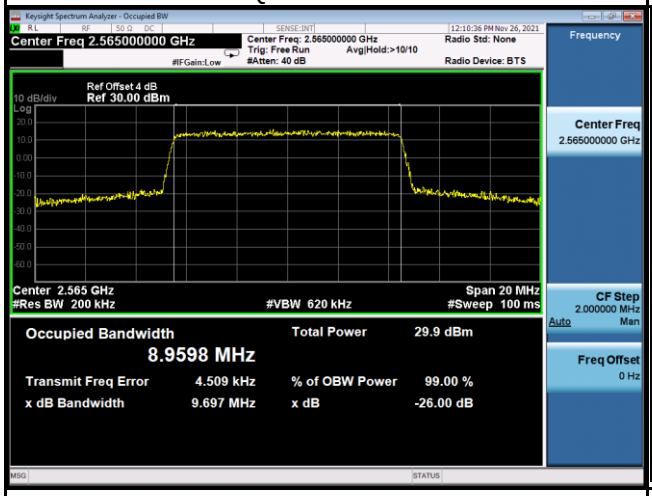
QPSK-20800



QPSK-21100



QPSK-21400



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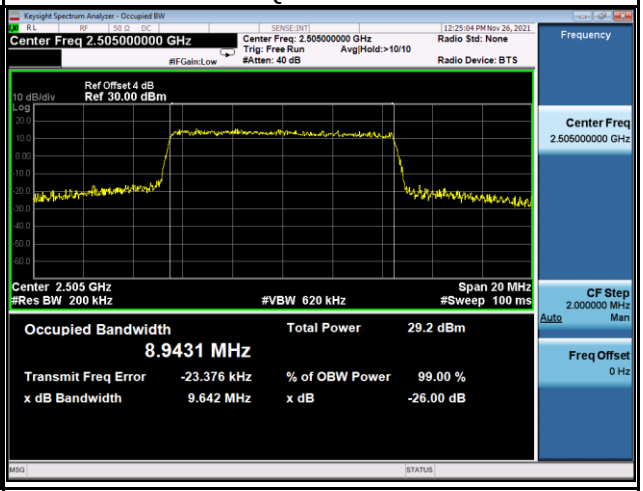
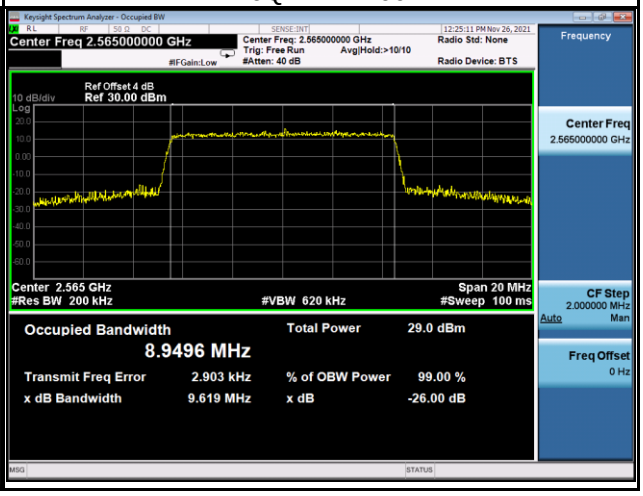


16QAM-21100

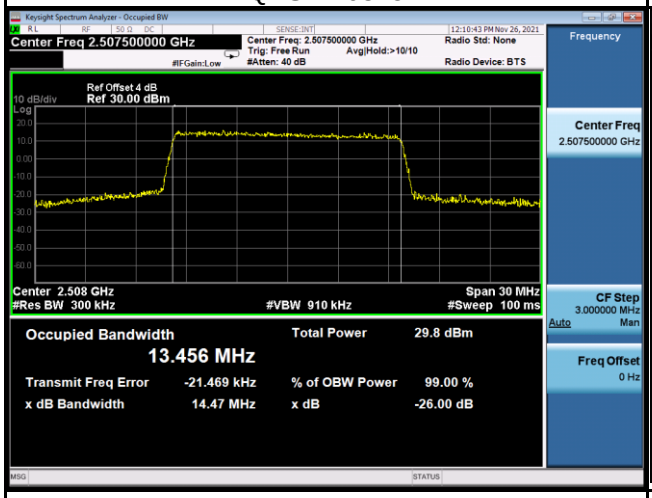
16QAM-21400



LTE Band 7_15M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20825	2507.5	13.4560	20825	2507.5	13.4590
21100	2535	13.4190	21100	2535	13.4110
21375	2562.5	13.4200	21375	2562.5	13.4180
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20825	2507.5	14.470	20825	2507.5	14.450
21100	2535	14.420	21100	2535	14.460
21375	2562.5	14.450	21375	2562.5	14.500

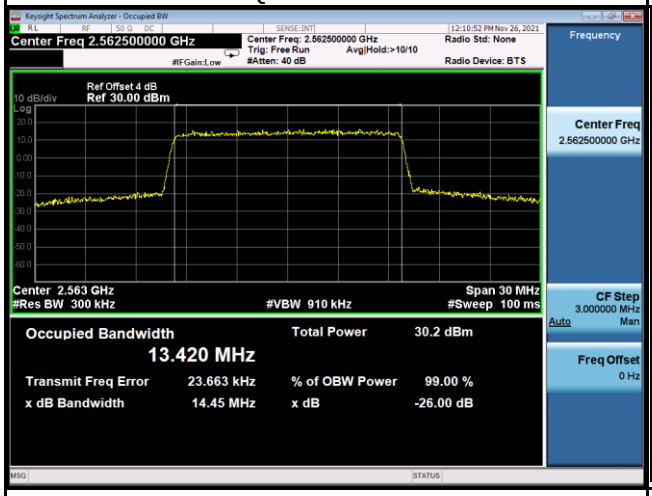
Spectrum Plot

QPSK-20825

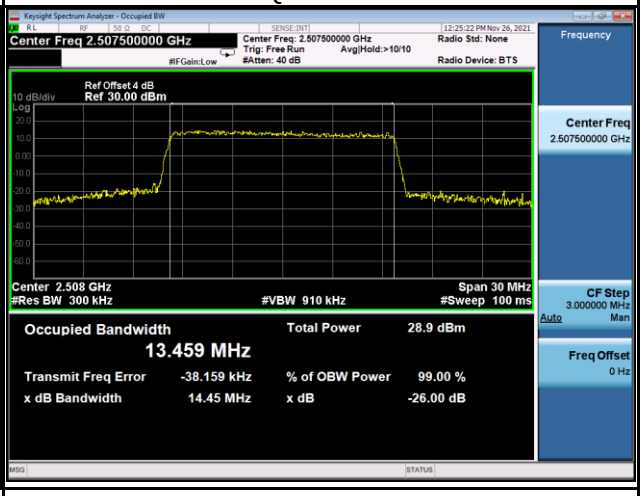


QPSK-21100

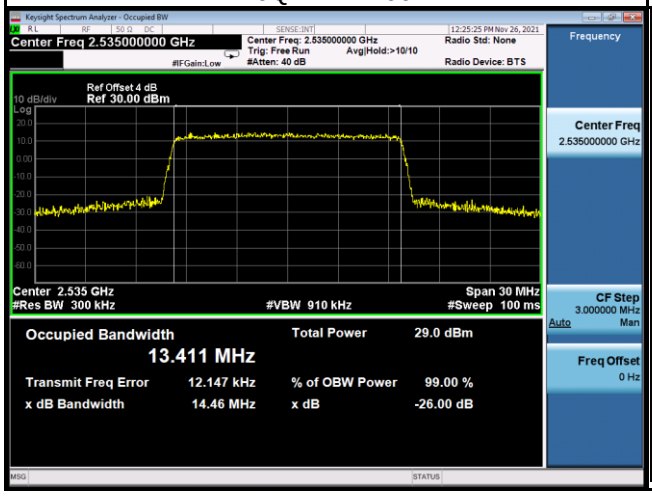
QPSK-21375



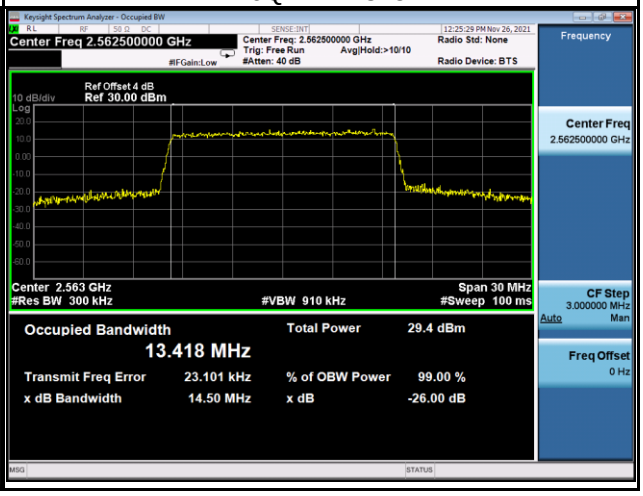
16QAM-20825



16QAM-21100



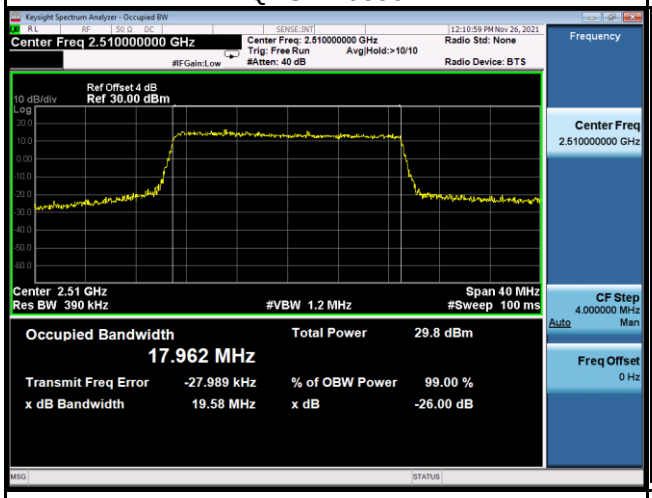
16QAM-21375



LTE Band 7_20M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20850	2510	17.9620	20850	2510	17.9320
21100	2535	17.8600	21100	2535	17.8490
21350	2560	17.9190	21350	2560	17.9070
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20850	2510	19.580	20850	2510	19.440
21100	2535	19.510	21100	2535	19.470
21350	2560	19.510	21350	2560	19.460

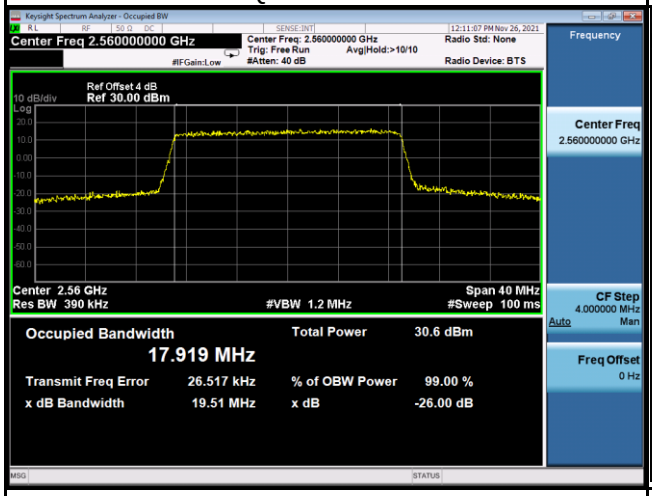
Spectrum Plot

QPSK-20850

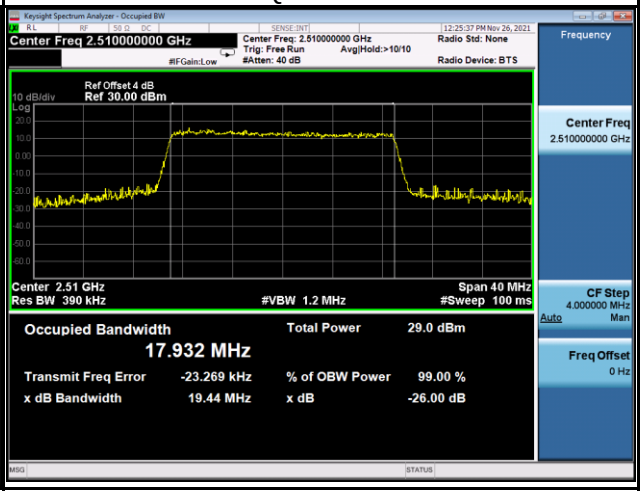


QPSK-21100

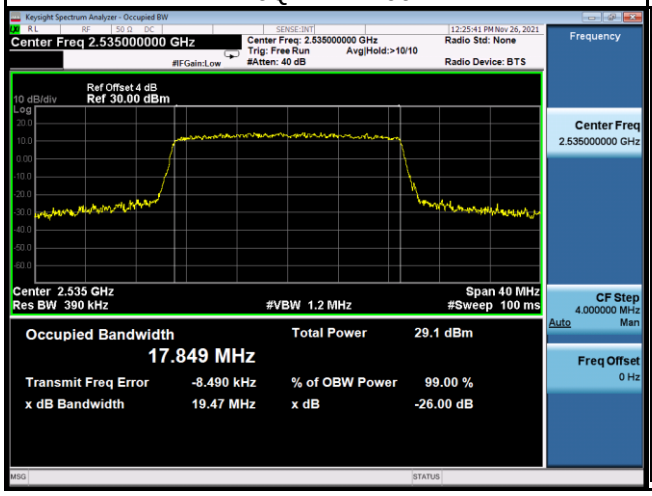
QPSK-21350



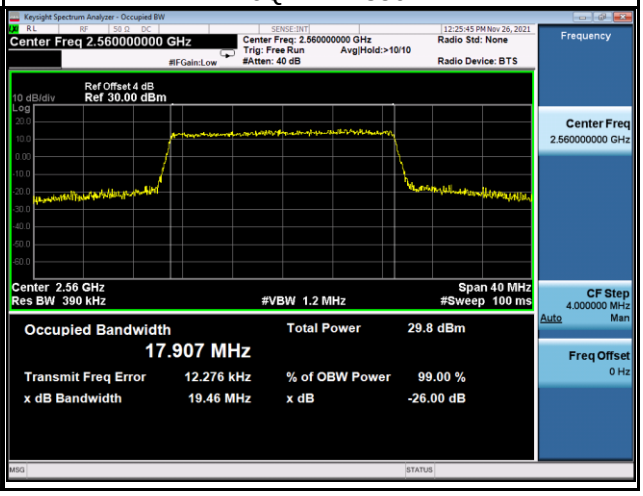
16QAM-20850



16QAM-21100



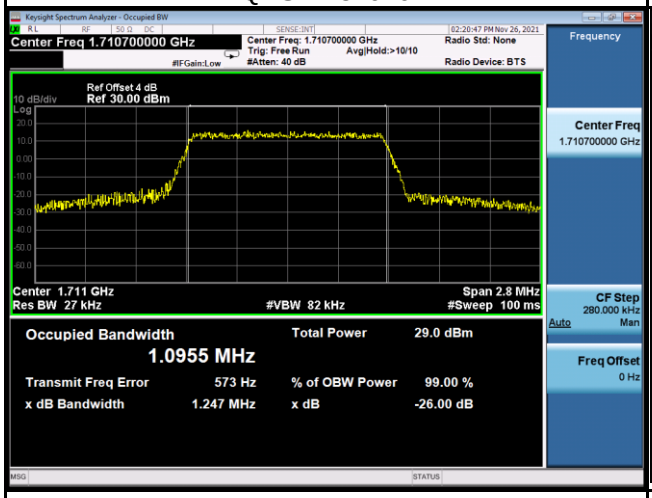
16QAM-21350



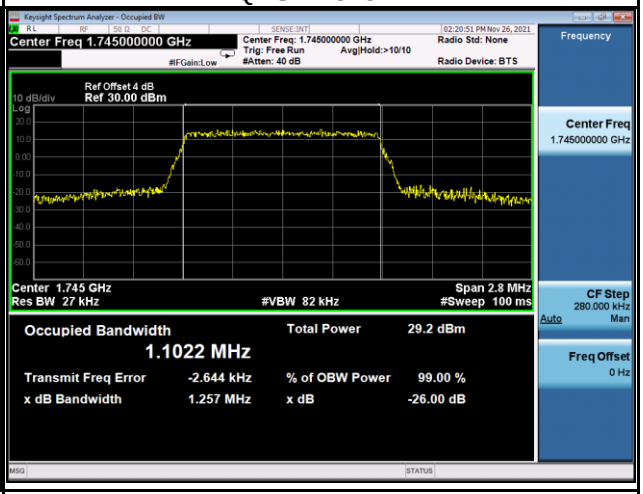
LTE Band 66_1.4M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
131979	1710.7	1.0955	131979	1710.7	1.1042
132322	1745.0	1.1022	132322	1745.0	1.0928
132665	1779.3	1.0921	132665	1779.3	1.1004
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131979	1710.7	1.247	131979	1710.7	1.251
132322	1745.0	1.257	132322	1745.0	1.257
132665	1779.3	1.264	132665	1779.3	1.272

Spectrum Plot

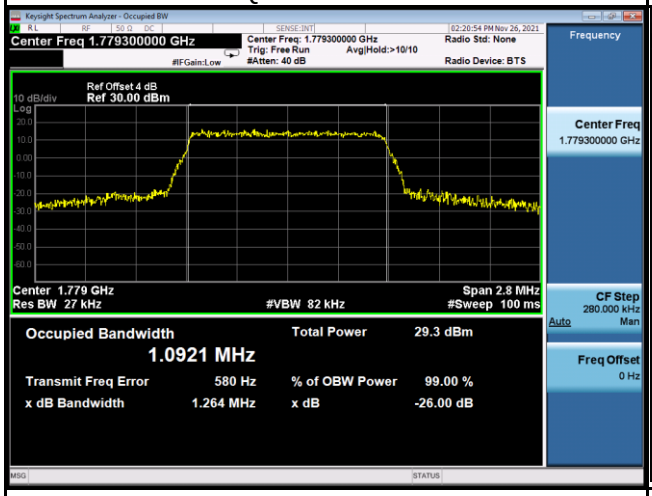
QPSK-131979



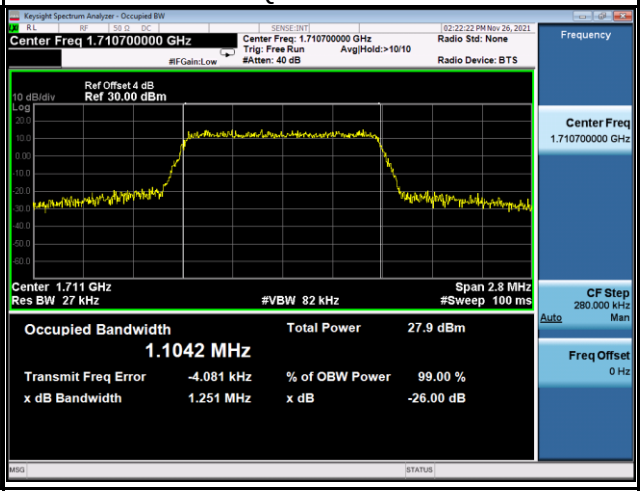
QPSK-132322



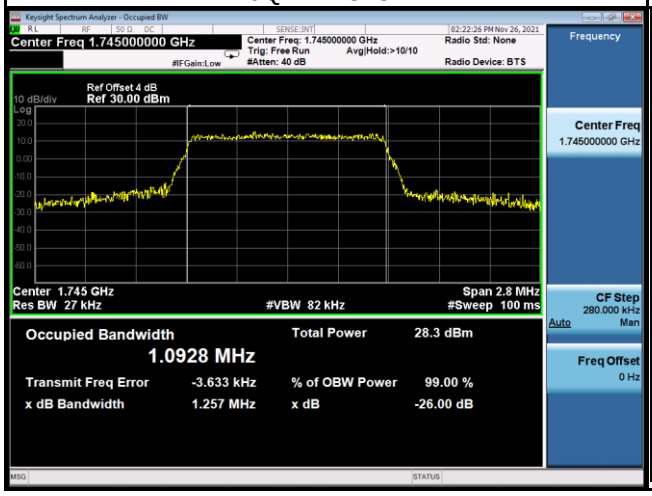
QPSK-132665



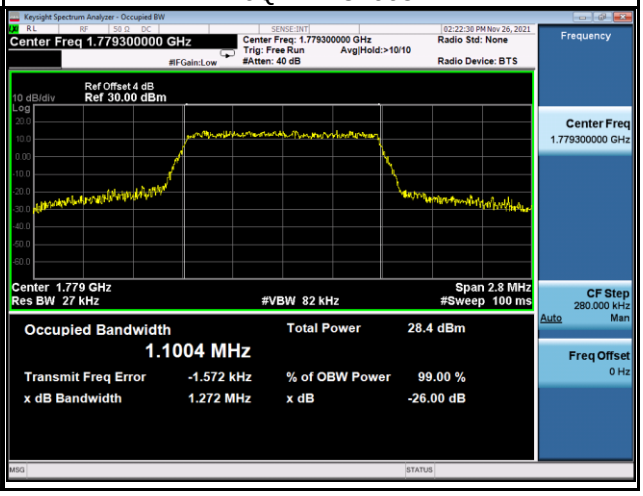
16QAM-131979



16QAM-132322



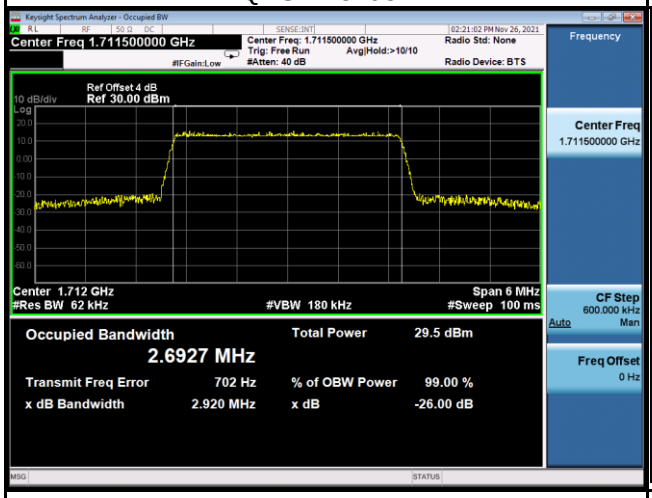
16QAM-132665



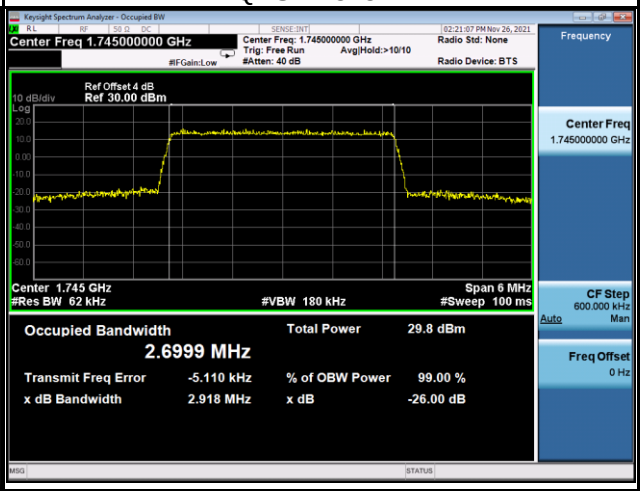
LTE Band 66_3M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
131987	1711.5	2.6927	131987	1711.5	2.7026
132322	1745.0	2.6999	132322	1745.0	2.7060
132657	1778.5	2.6970	132657	1778.5	2.6943
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131987	1711.5	2.920	131987	1711.5	2.925
132322	1745.0	2.918	132322	1745.0	2.922
132657	1778.5	2.921	132657	1778.5	2.935

Spectrum Plot

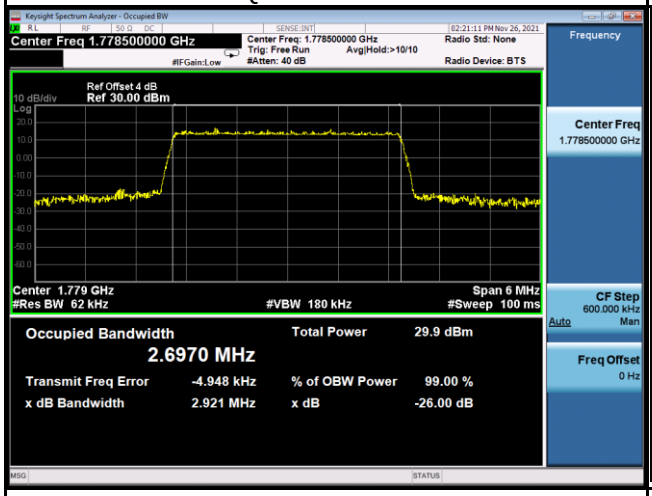
QPSK-131987



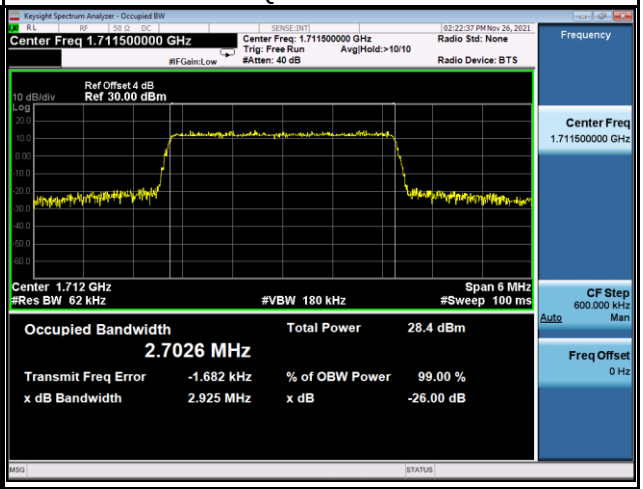
QPSK-132322



QPSK-132657



16QAM-131987



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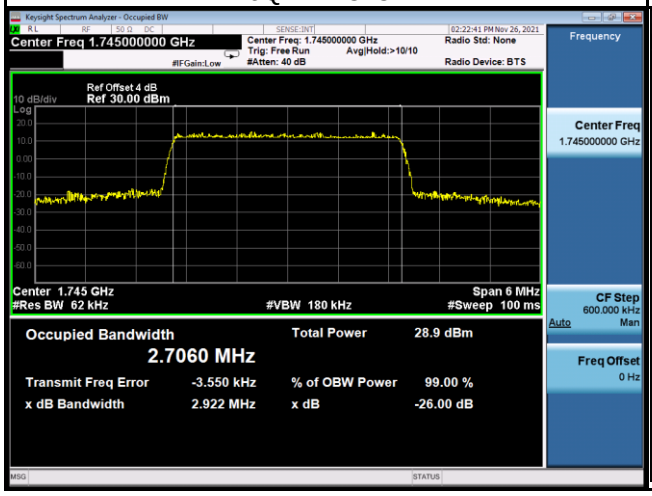
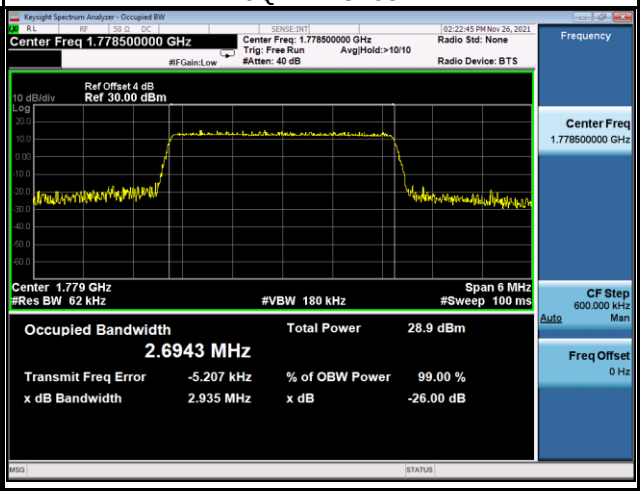


16QAM-132657



LTE Band 66_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
131997	1712.5	4.5062	131997	1712.5	4.4910
132322	1745.0	4.5068	132322	1745.0	4.4905
132647	1777.5	4.5049	132647	1777.5	4.4949
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.848	131997	1712.5	4.843
132322	1745.0	4.848	132322	1745.0	4.831
132647	1777.5	4.848	132647	1777.5	4.845