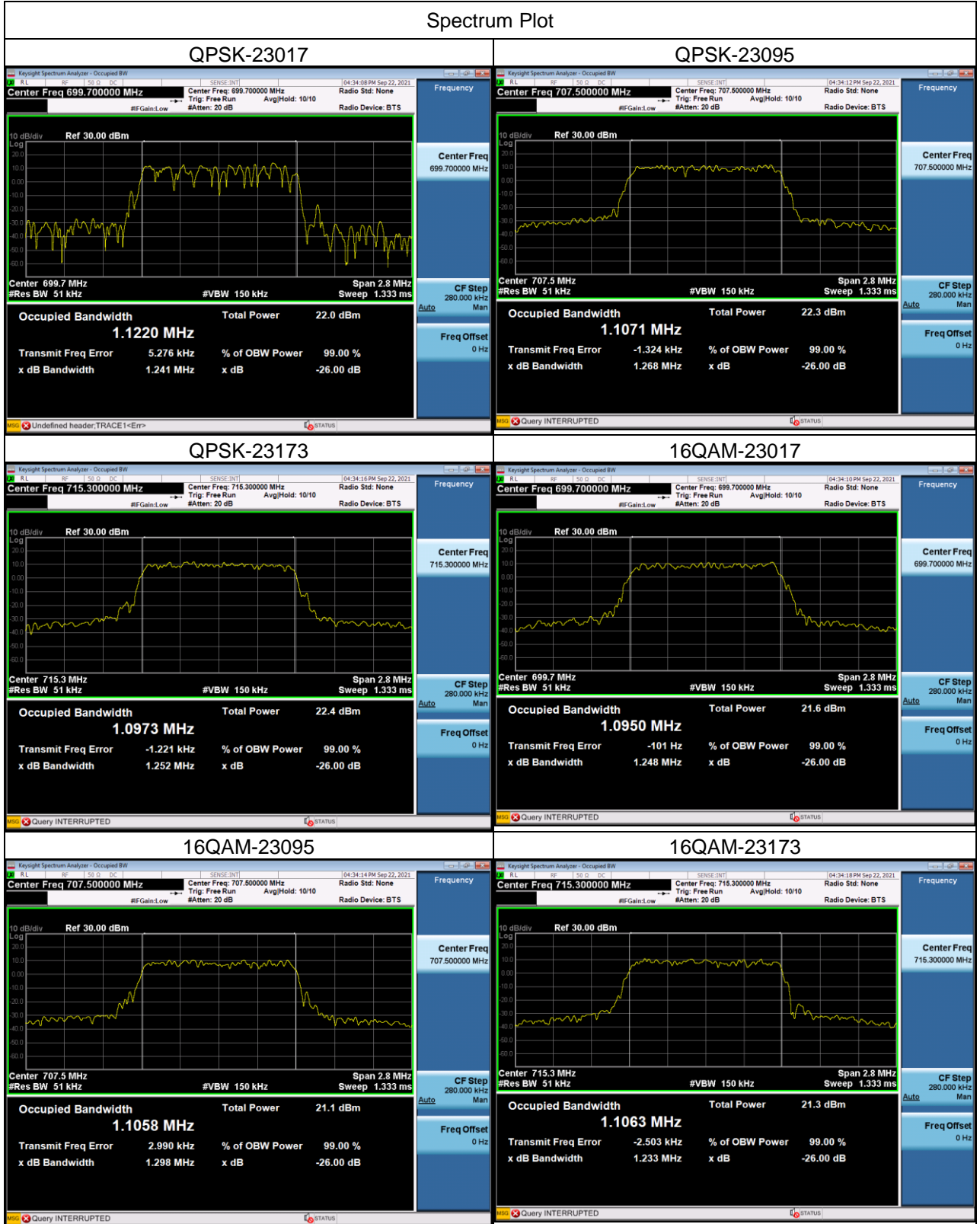
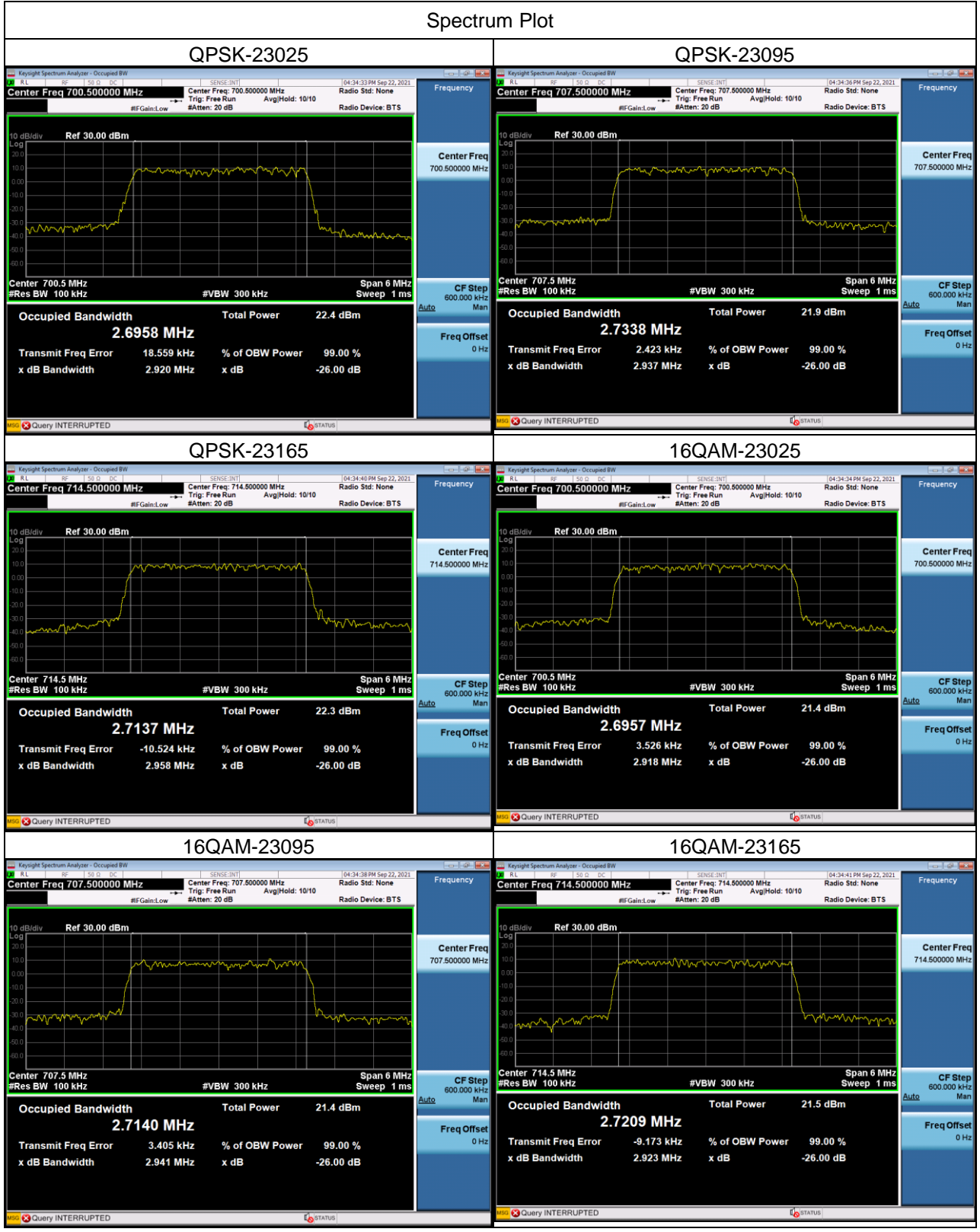


Spectrum Plot



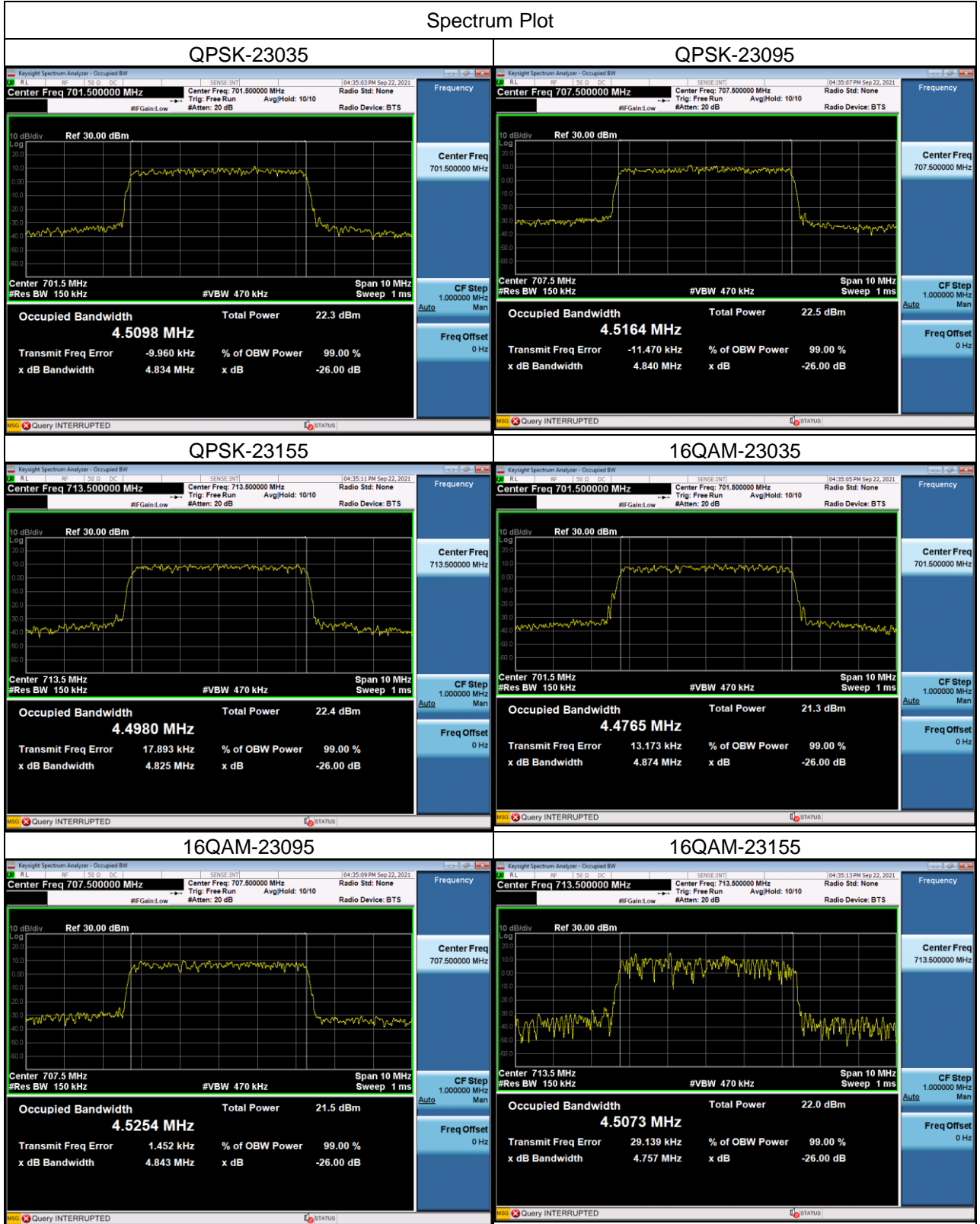
LTE Band 12_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.6958	23025	700.5	2.920
23095	707.5	2.7338	23095	707.5	2.937
23165	714.5	2.7137	23165	714.5	2.958
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.6957	23025	700.5	2.918
23095	707.5	2.7140	23095	707.5	2.941
23165	714.5	2.7209	23165	714.5	2.923

Spectrum Plot



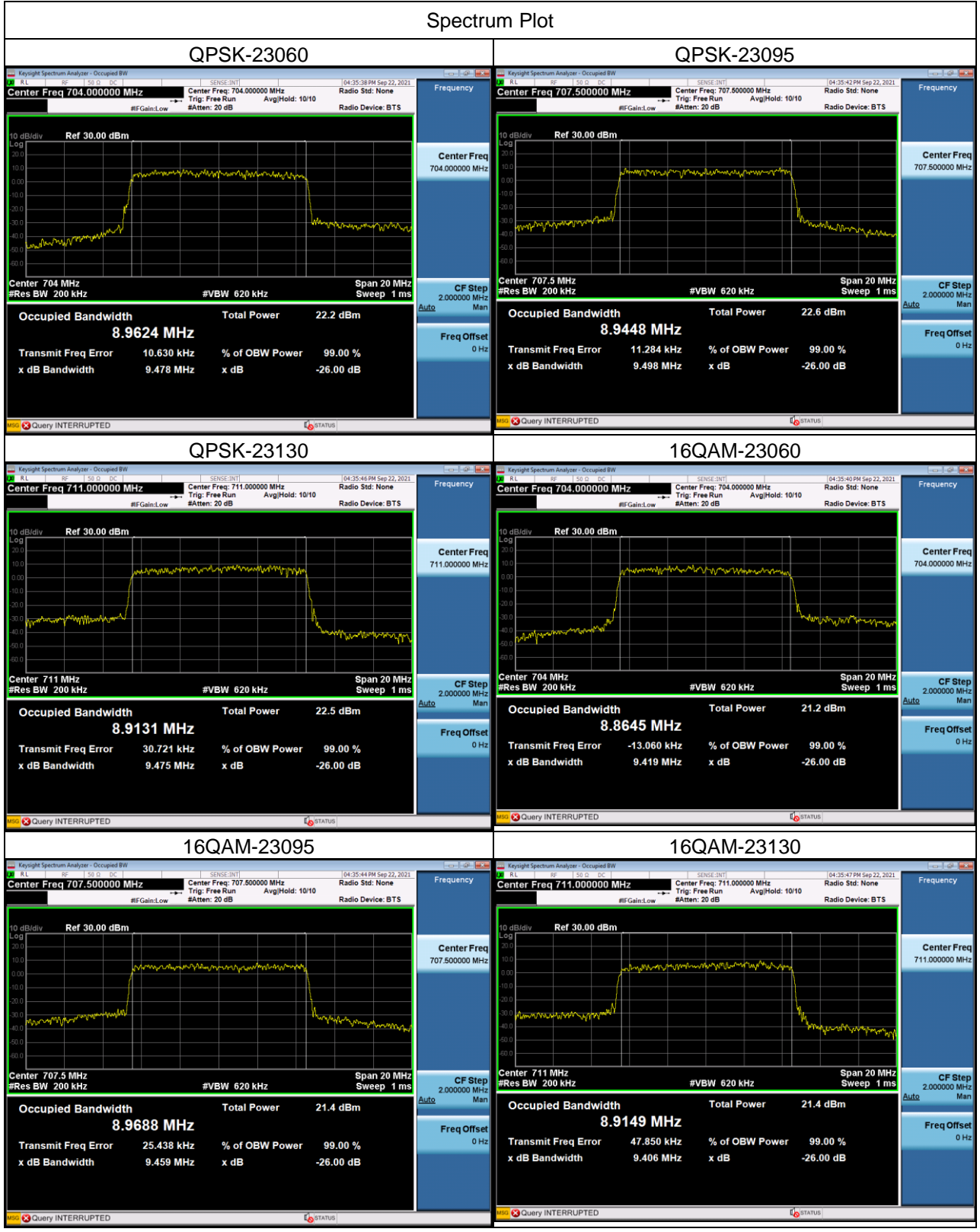
LTE Band 12_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	4.5098	23035	701.5	4.834
23095	707.5	4.5164	23095	707.5	4.840
23155	713.5	4.4980	23155	713.5	4.825
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	4.4765	23035	701.5	4.874
23095	707.5	4.5254	23095	707.5	4.843
23155	713.5	4.5073	23155	713.5	4.757

Spectrum Plot



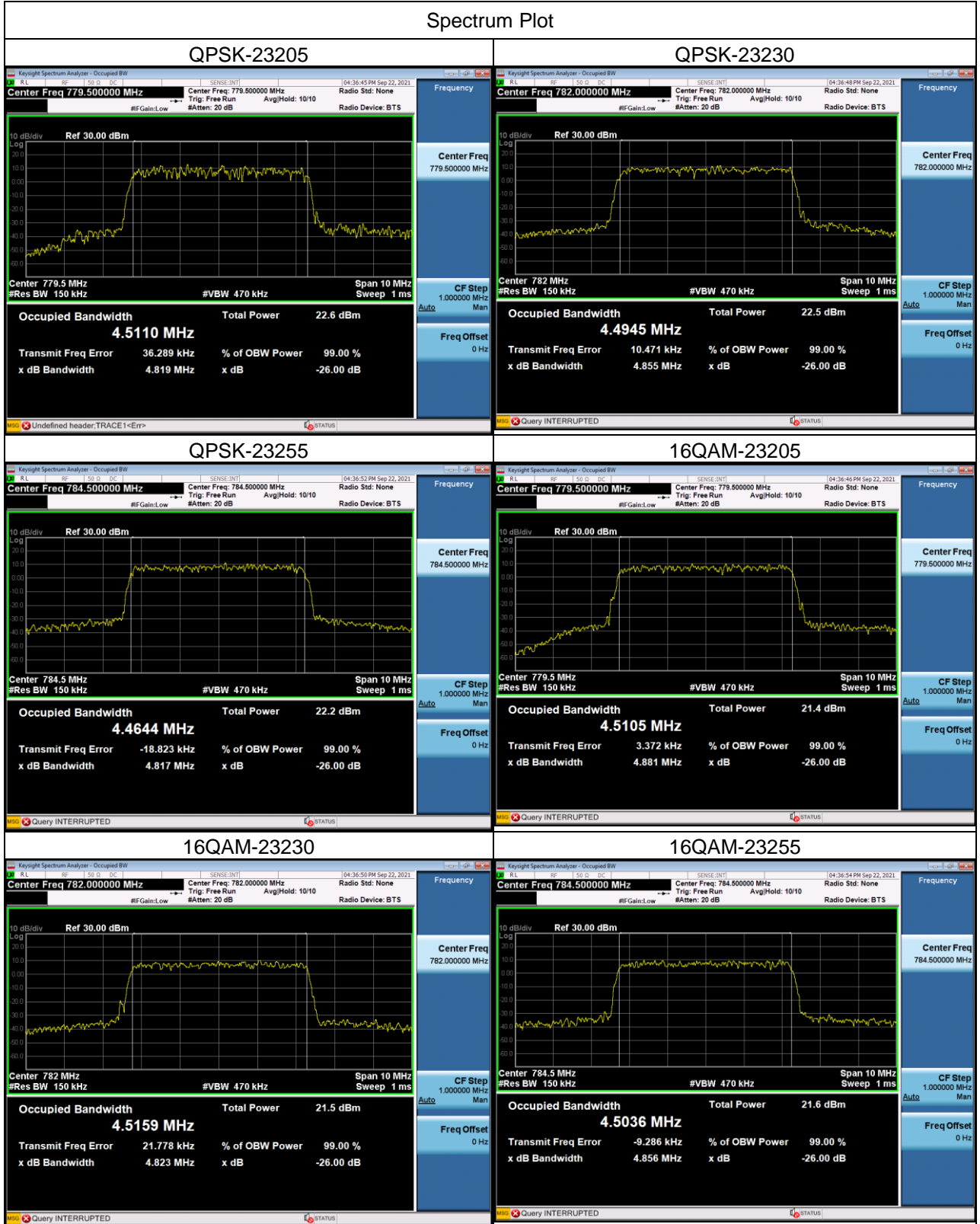
LTE Band 12_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	8.9624	23060	704.0	9.478
23095	707.5	8.9448	23095	707.5	9.498
23130	711.0	8.9131	23130	711.0	9.475
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	8.8645	23060	704.0	9.419
23095	707.5	8.9688	23095	707.5	9.459
23130	711.0	8.9149	23130	711.0	9.406

Spectrum Plot



LTE Band 13_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23205	779.5	4.5110	23205	779.5	4.819
23230	782.0	4.4945	23230	782.0	4.855
23255	784.5	4.4644	23255	784.5	4.817
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23205	779.5	4.5105	23205	779.5	4.881
23230	782.0	4.5159	23230	782.0	4.823
23255	784.5	4.5036	23255	784.5	4.856

Spectrum Plot



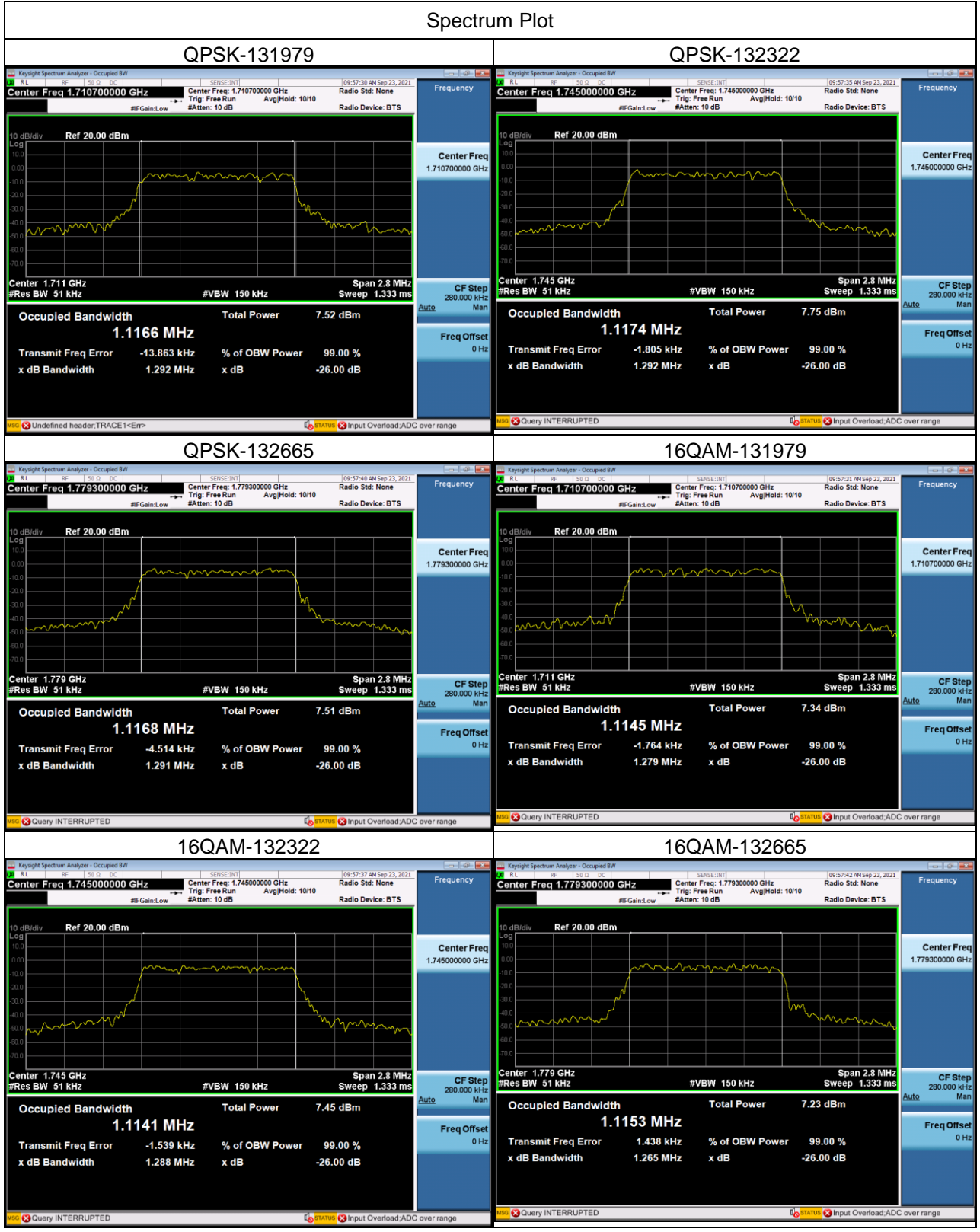
LTE Band 13_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23230	782.0	8.8716	23230	782.0	9.459
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23230	782.0	8.8228	23230	782.0	9.411

Spectrum Plot



LTE Band 66_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131979	1710.7	1.1166	131979	1710.7	1.292
132322	1745	1.1174	132322	1745	1.292
132665	1779.3	1.1168	132665	1779.3	1.291
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131979	1710.7	1.1145	131979	1710.7	1.279
132322	1745	1.1141	132322	1745	1.288
132665	1779.3	1.1153	132665	1779.3	1.265

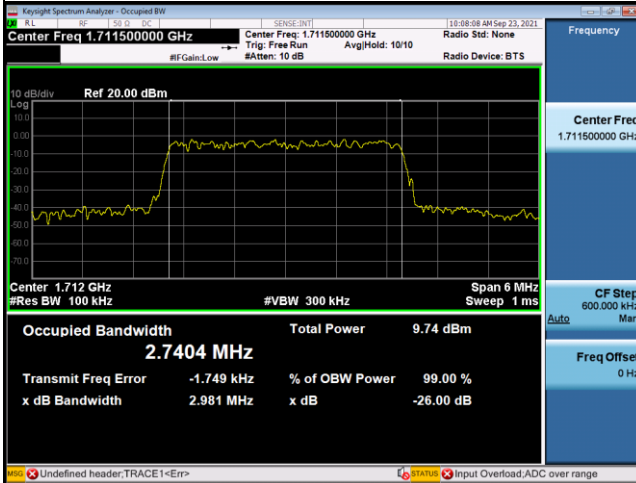
Spectrum Plot



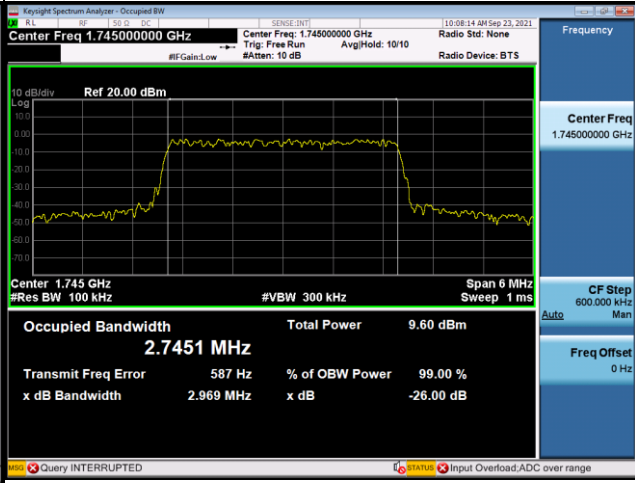
LTE Band 66_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131987	1711.5	2.7404	131987	1711.5	2.981
132322	1745	2.7451	132322	1745	2.969
132657	1778.5	2.7426	132657	1778.5	2.948
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131987	1711.5	2.7223	131987	1711.5	2.967
132322	1745	2.7376	132322	1745	2.951
132657	1778.5	2.7285	132657	1778.5	2.946

Spectrum Plot

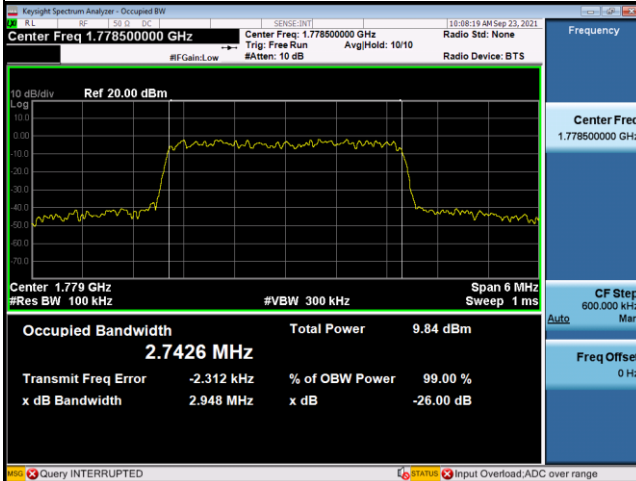
QPSK-131987



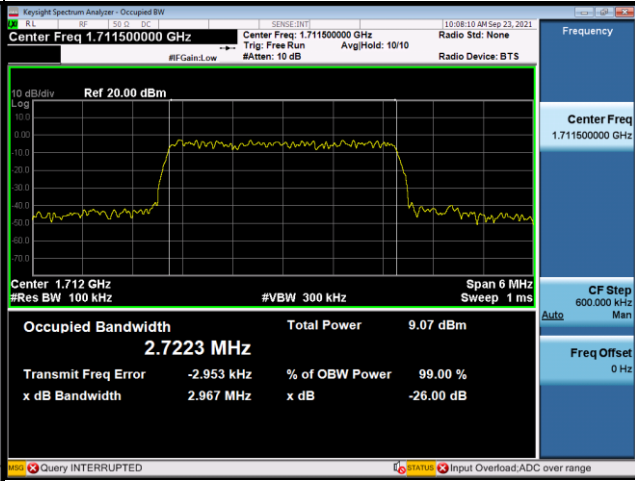
QPSK-132322



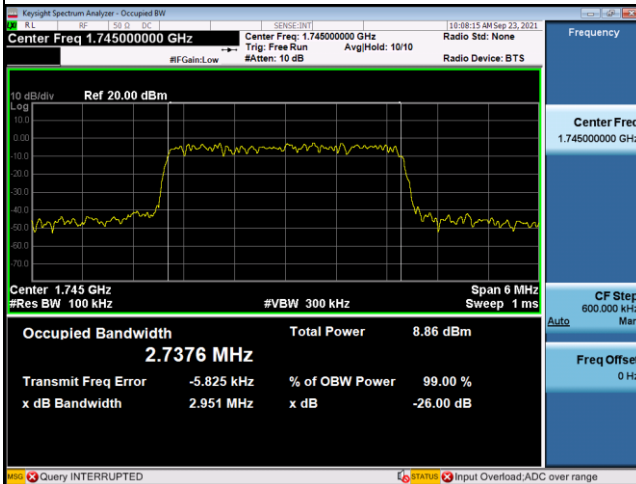
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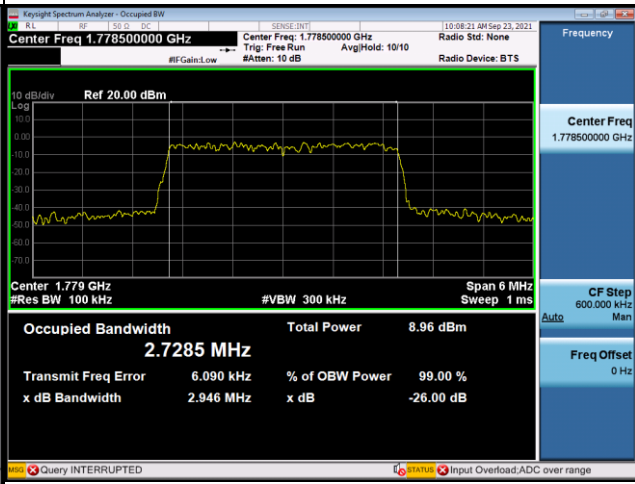
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16QAM-132322



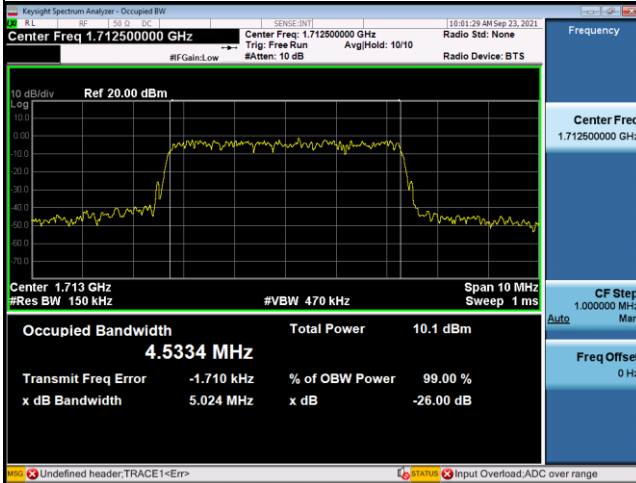
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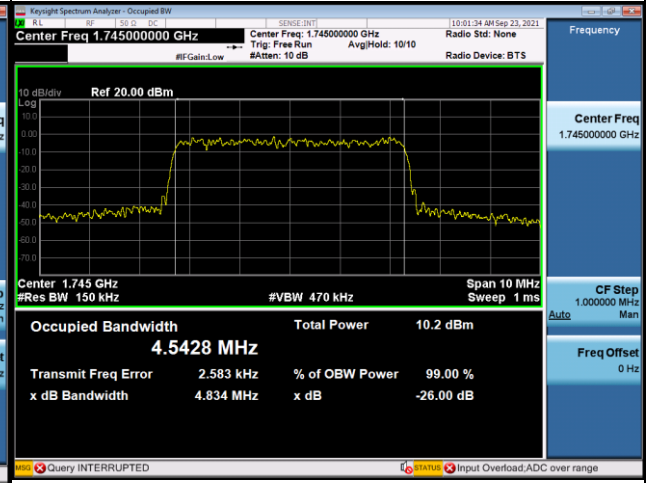
LTE Band 66_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5334	131997	1712.5	5.025
132322	1745	4.5428	132322	1745	4.834
132647	1777.5	4.5329	132647	1777.5	4.846
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5187	131997	1712.5	4.892
132322	1745	4.5370	132322	1745	4.836
132647	1777.5	4.5085	132647	1777.5	4.854

Spectrum Plot

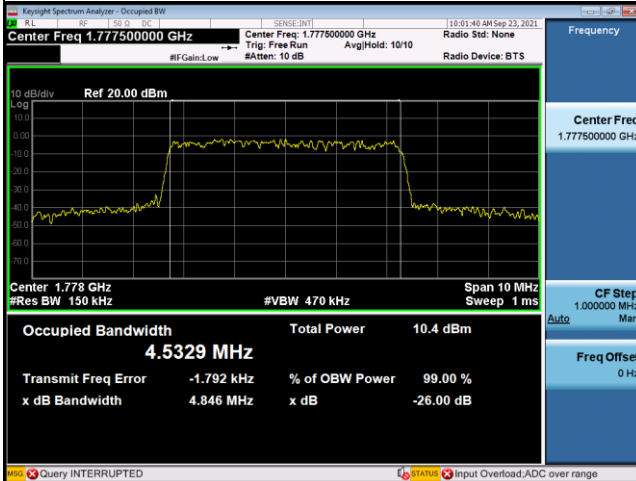
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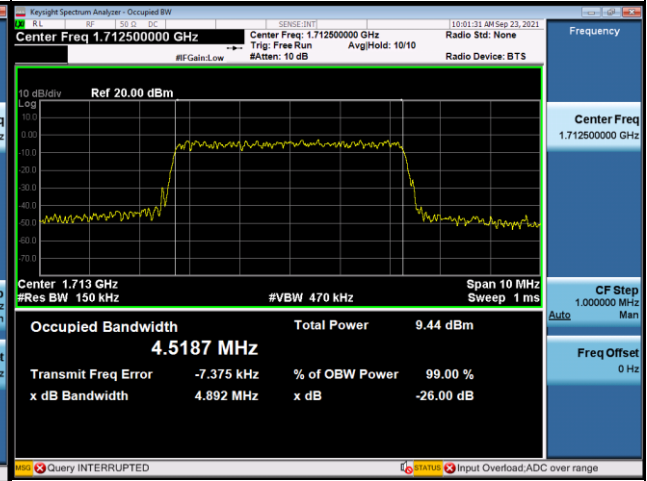
QPSK-132322



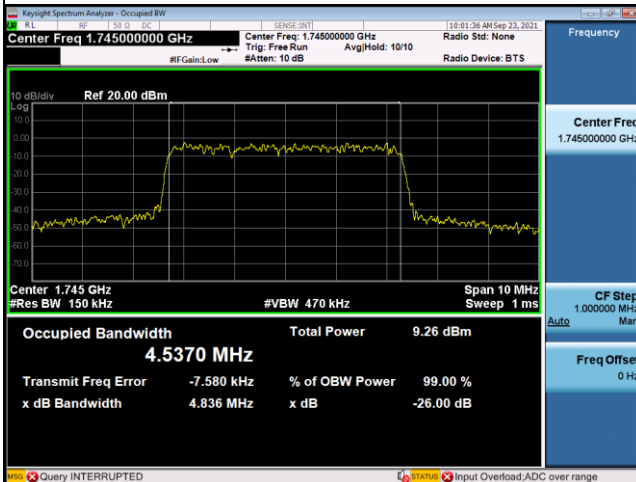
QPSK-132647



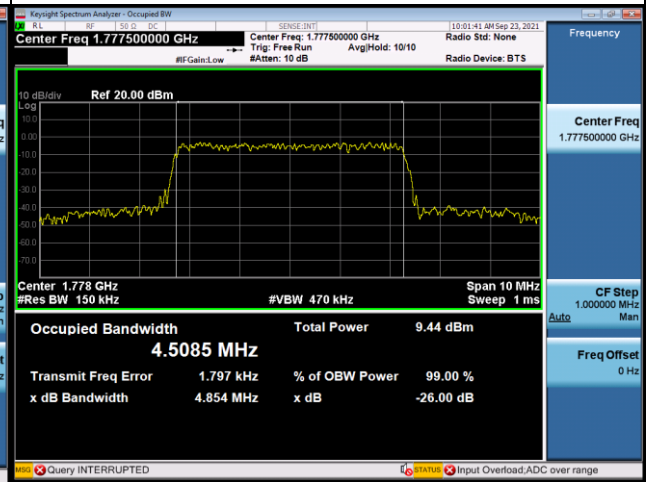
16QAM-131997



16QAM-132322



16QAM-132647



LTE Band 66_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9367	132022	1715	9.513
132322	1745	8.9505	132322	1745	9.475
132622	1775	8.9635	132622	1775	9.495
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9600	132022	1715	9.555
132322	1745	8.9741	132322	1745	9.521
132622	1775	9.0035	132622	1775	9.557