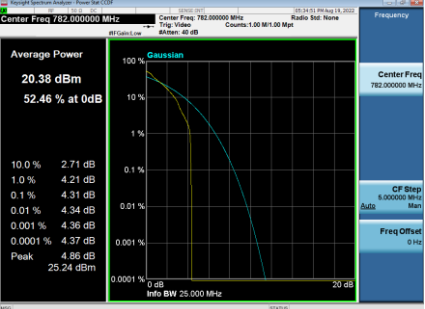
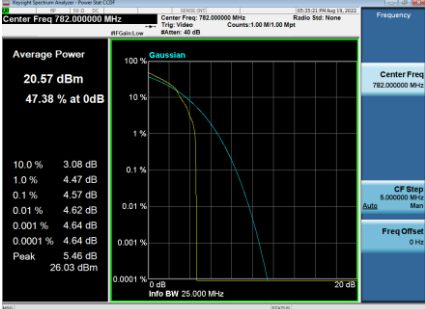
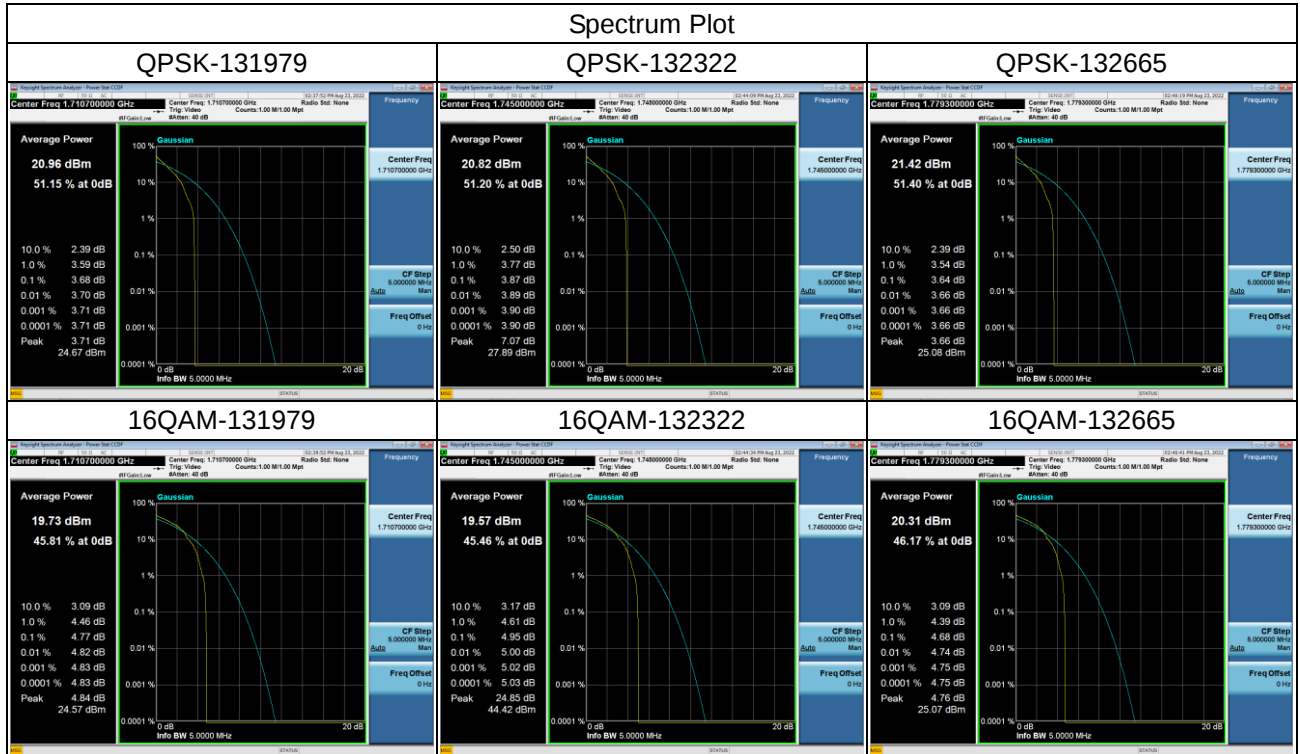


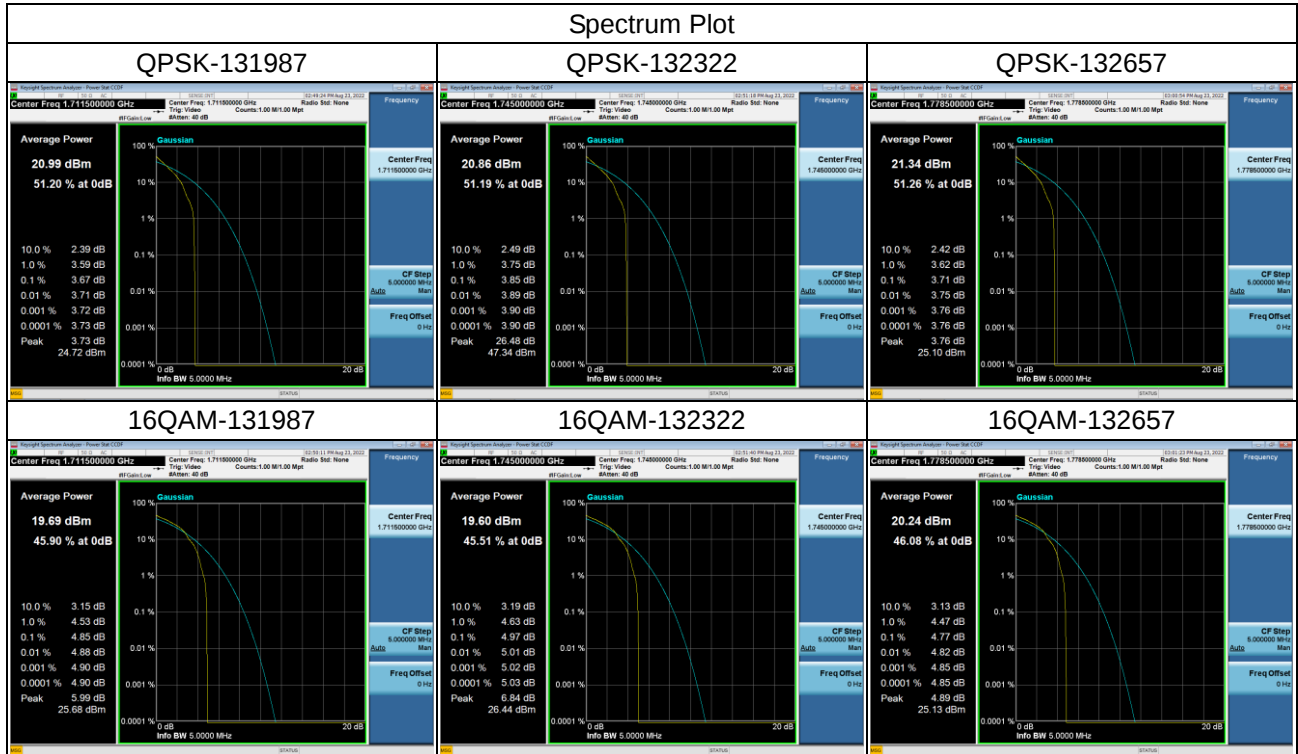
LTE Band 13_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23230	782.0	4.31	4.57	13	Pass

Spectrum Plot		
QPSK-23230	16QAM-23230	-
 Average Power: 20.38 dBm 52.46 % at 0dB 10.0 %: 2.71 dB 1.0 %: 4.21 dB 0.1 %: 4.31 dB 0.01 %: 4.34 dB 0.001 %: 4.36 dB 0.0001 %: 4.37 dB Peak: 4.86 dB 25.24 dBm Center Freq: 782.000000 MHz Info BW: 25.000 MHz	 Average Power: 20.57 dBm 47.38 % at 0dB 10.0 %: 3.08 dB 1.0 %: 4.47 dB 0.1 %: 4.57 dB 0.01 %: 4.62 dB 0.001 %: 4.64 dB 0.0001 %: 4.64 dB Peak: 5.46 dB 26.03 dBm Center Freq: 782.000000 MHz Info BW: 25.000 MHz	-

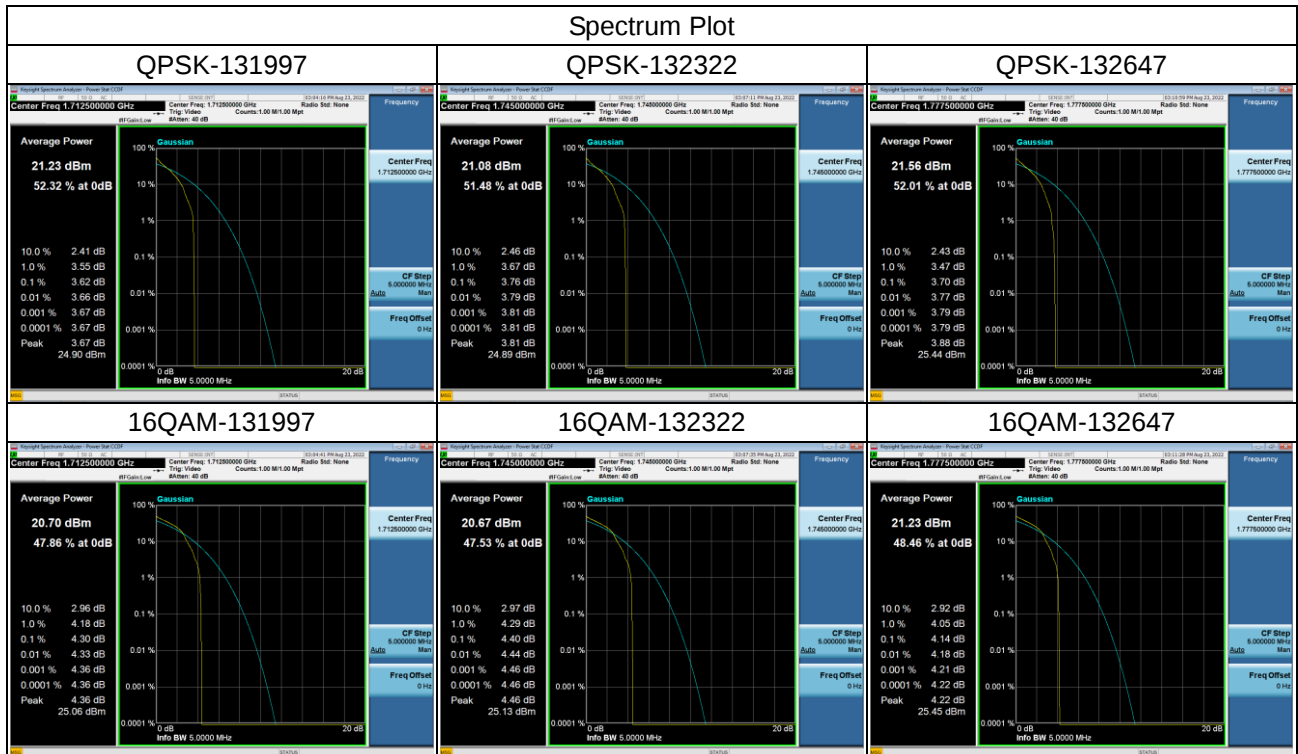
LTE Band 66_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131979	1710.7	3.68	4.77	13	Pass
132322	1745	3.87	4.95	13	Pass
132665	1779.3	3.64	4.68	13	Pass



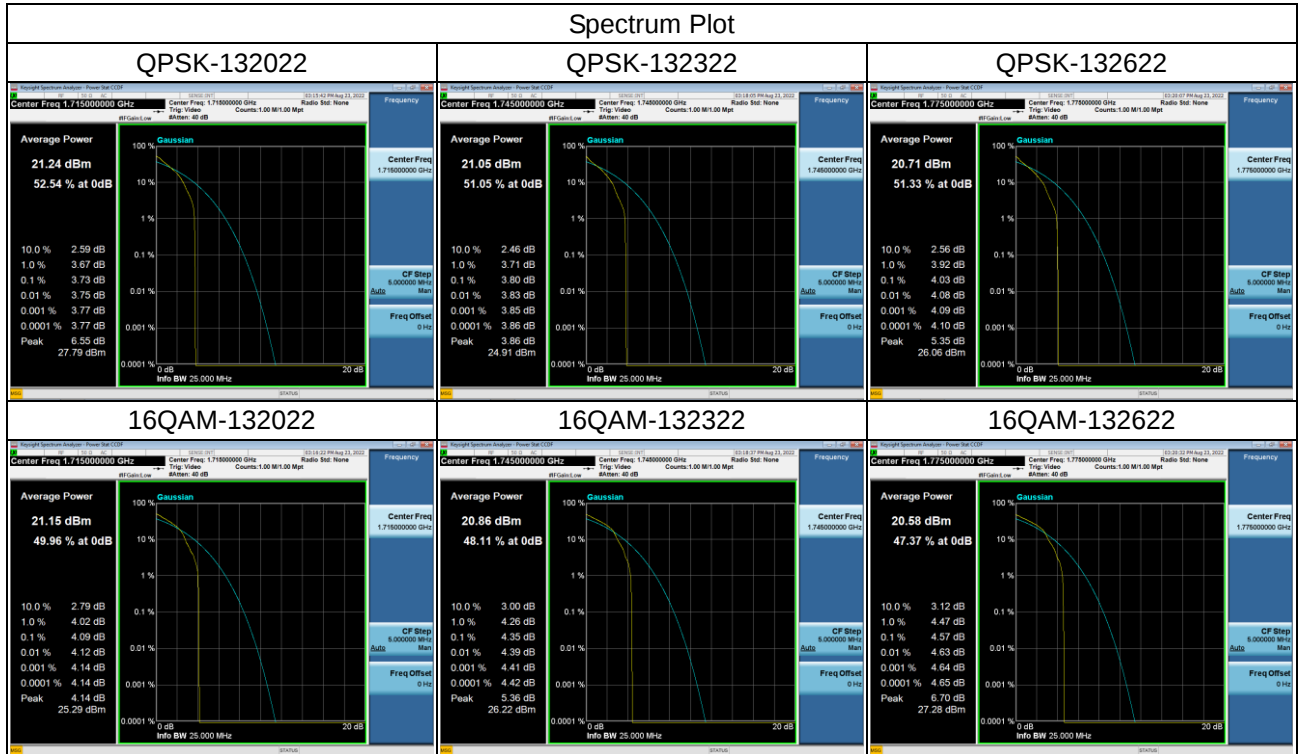
LTE Band 66_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131987	1711.5	3.67	4.85	13	Pass
132322	1745	3.85	4.97	13	Pass
132657	1778.5	3.71	4.77	13	Pass



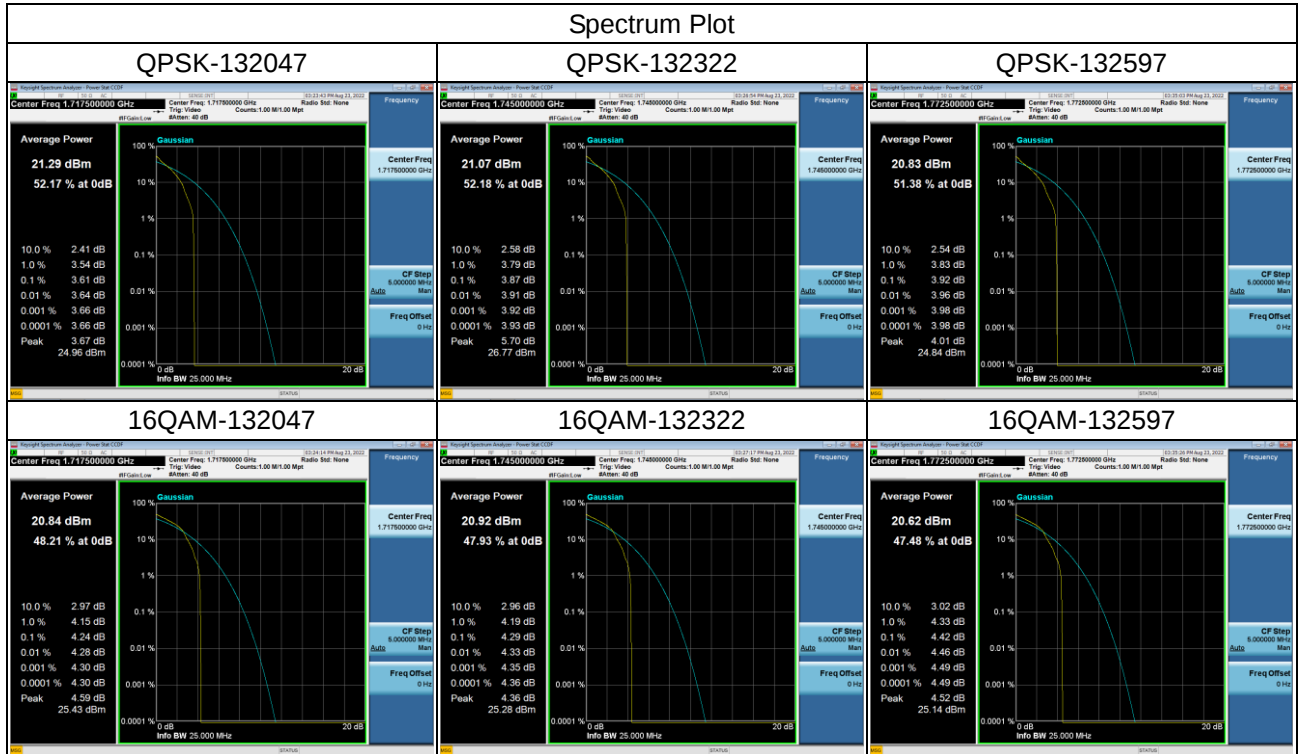
LTE Band 66_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131997	1712.5	3.62	4.30	13	Pass
132322	1745	3.76	4.40	13	Pass
132647	1777.5	3.70	4.14	13	Pass



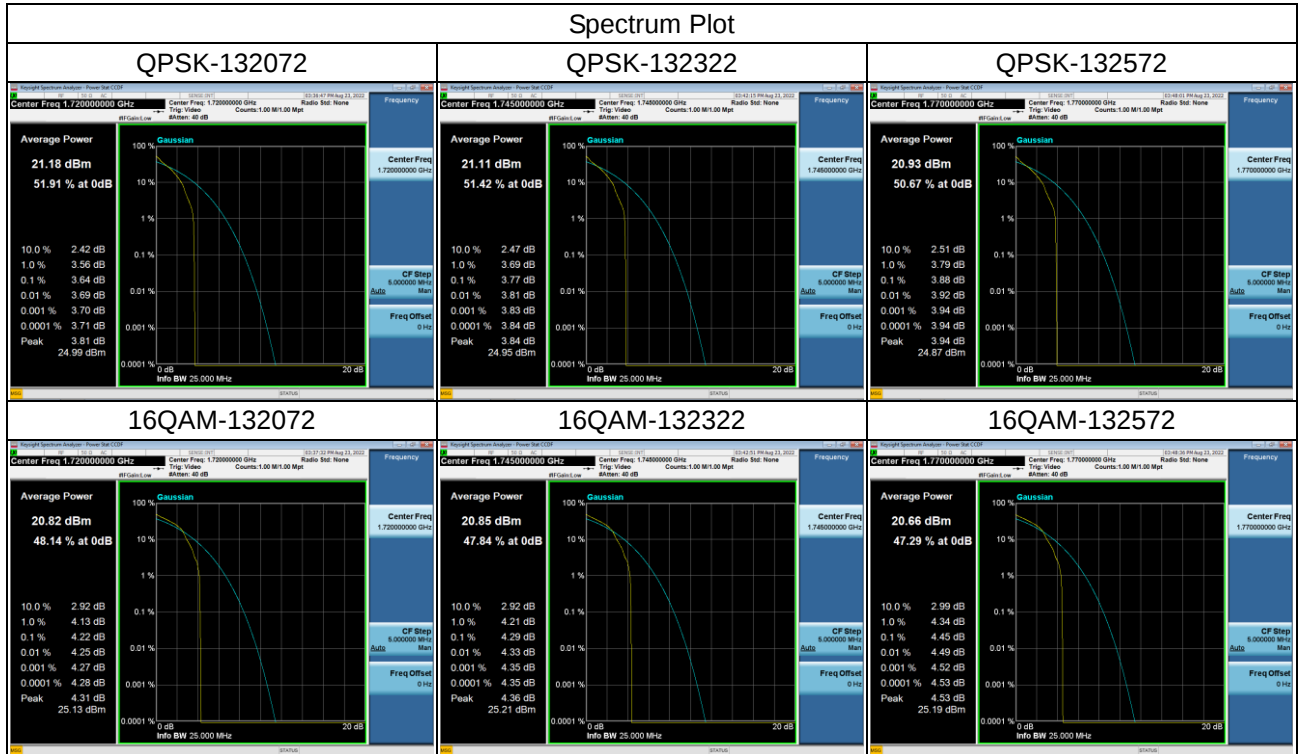
LTE Band 66_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132022	1715	3.73	4.09	13	Pass
132322	1745	3.80	4.35	13	Pass
132622	1775	4.03	4.57	13	Pass



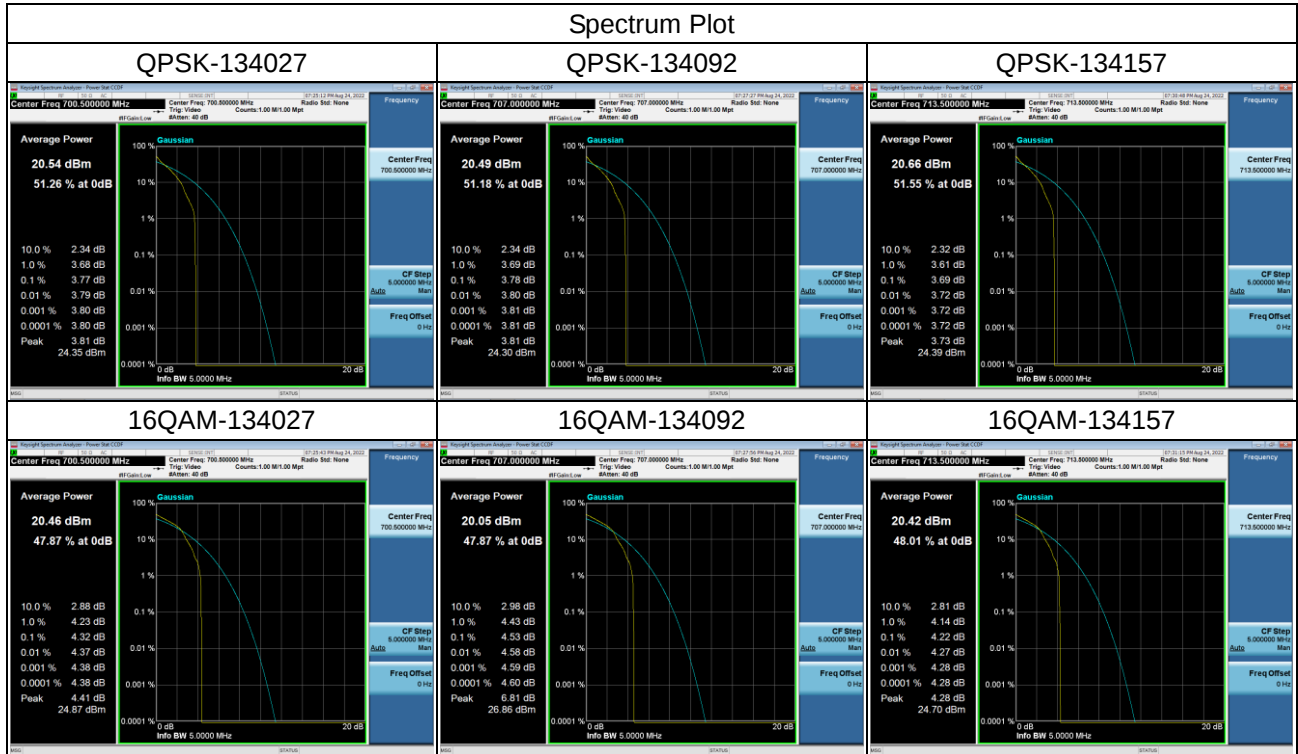
LTE Band 66_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132047	1717.5	3.61	4.24	13	Pass
132322	1745	3.87	4.29	13	Pass
132597	1772.5	3.92	4.42	13	Pass



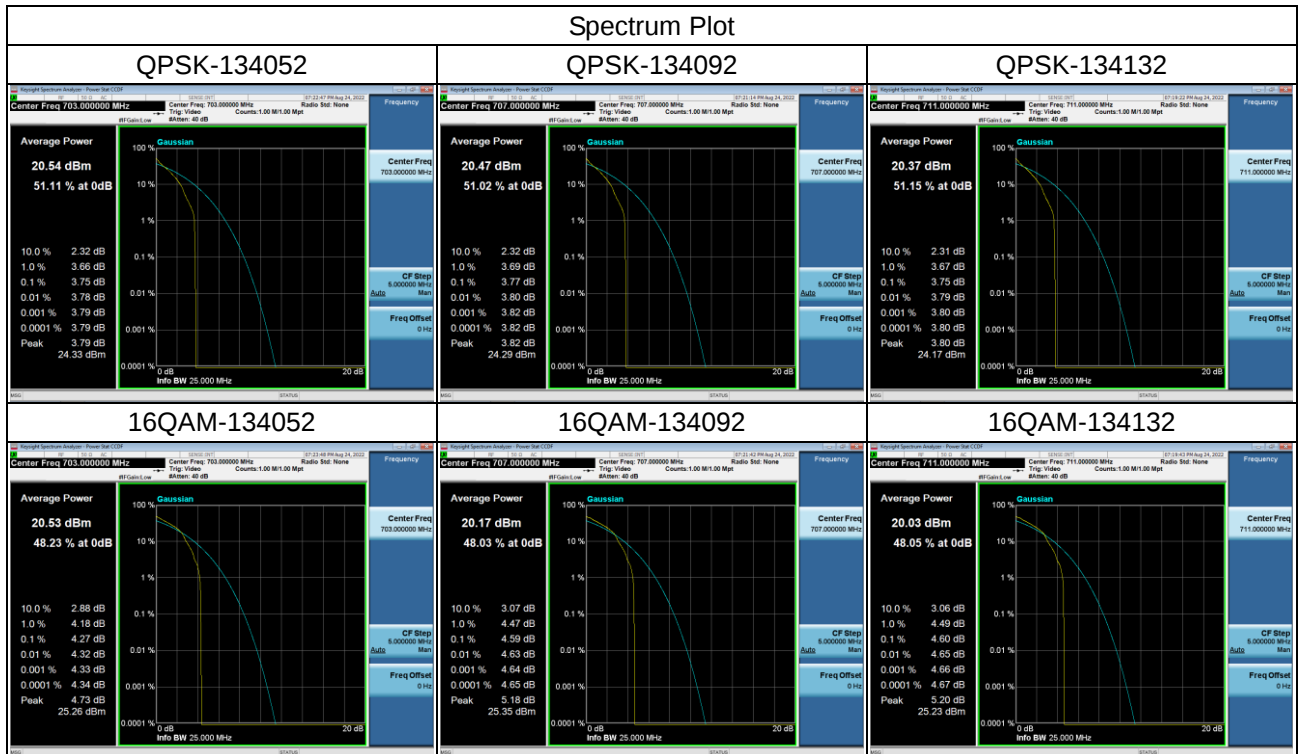
LTE Band 66_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132072	1720	3.64	4.22	13	Pass
132322	1745	3.77	4.29	13	Pass
132572	1770	3.88	4.45	13	Pass



LTE Band 85_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
134027	700.5	3.77	4.32	13	Pass
134092	707	3.78	4.53	13	Pass
134157	713.5	3.69	4.22	13	Pass



LTE Band 85_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
134052	703	3.75	4.27	13	Pass
134092	707	3.77	4.59	13	Pass
134132	711	3.75	4.60	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	LTE Band 4_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:1710 Reference point -13dBm	High channel limit:1755 Reference point -13dBm	Record only
50	1710.069000	1754.961000	40.3508772
40	1710.069000	1754.961000	40.3508772
30	1710.069000	1754.961000	40.3508772
20	1710.069000	1754.961000	40.3508772
10	1710.069000	1754.961000	40.3508772
0	1710.069000	1754.961000	40.3508772
-10	1710.069000	1754.961000	40.3508772
-20	1710.069000	1754.961000	40.3508772
-30	1710.069000	1754.961000	40.3508772
Minimum voltage	1710.069000	1754.961000	40.3508772
Maximum voltage	1710.069000	1754.961000	40.3508772
Nominal voltage	1710.069000	1754.961000	40.3508772

Note: Nominal voltage= 3.7V, Maximum voltage= 3.8V, Minimum voltage= 3.0V.

Test Mode	LTE Band 12_CH23095_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:699 Reference point -13dBm	High channel limit:716 Reference point -13dBm	Record only
50	699.018000	715.976000	-33.519553
40	699.018000	715.976000	-33.519553
30	699.018000	715.976000	-33.519553
20	699.018000	715.976000	-33.519553
10	699.018000	715.976000	-33.519553
0	699.018000	715.976000	-33.519553
-10	699.018000	715.976000	-33.519553
-20	699.018000	715.976000	-33.519553
-30	699.018000	715.976000	-33.519553
Minimum voltage	699.018000	715.976000	-33.519553
Maximum voltage	699.018000	715.976000	-33.519553
Nominal voltage	699.018000	715.976000	-33.519553

Note: Nominal voltage= 3.7V, Maximum voltage= 3.8V, Minimum voltage= 3.0V.

Test Mode	LTE Band 13_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low range limit:777 Reference point -13dBm	High range limit:787 Reference point -13dBm	Record only
50	777.080000	786.919000	102.960103
40	777.080000	786.919000	102.960103
30	777.080000	786.919000	102.960103
20	777.080000	786.919000	102.960103
10	777.080000	786.919000	102.960103
0	777.080000	786.919000	102.960103
-10	777.080000	786.919000	102.960103
-20	777.080000	786.919000	102.960103
-30	777.080000	786.919000	102.960103
Minimum voltage	777.080000	786.919000	102.960103
Maximum voltage	777.080000	786.919000	102.960103
Nominal voltage	777.080000	786.919000	102.960103

Note: Nominal voltage= 3.7V, Maximum voltage= 3.8V, Minimum voltage= 3.0V.

Test Mode	LTE Band 66_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:1710 Reference point -13dBm	High channel limit:1780 Reference point -13dBm	Record only
50	1710.026000	1779.954000	-25.842697
40	1710.026000	1779.954000	-25.842697
30	1710.026000	1779.954000	-25.842697
20	1710.026000	1779.954000	-25.842697
10	1710.026000	1779.954000	-25.842697
0	1710.026000	1779.954000	-25.842697
-10	1710.026000	1779.954000	-25.842697
-20	1710.026000	1779.954000	-25.842697
-30	1710.026000	1779.954000	-25.842697
Minimum voltage	1710.026000	1779.954000	-25.842697
Maximum voltage	1710.026000	1779.954000	-25.842697
Nominal voltage	1710.026000	1779.954000	-25.842697

Note: Nominal voltage= 3.7V, Maximum voltage= 3.8V, Minimum voltage= 3.0V.

Test Mode	LTE Band 85_CH23095_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:698 Reference point -13dBm	High channel limit:716 Reference point -13dBm	Record only
50	698.020000	715.980000	28.6532951
40	698.020000	715.980000	28.6532951
30	698.020000	715.980000	28.6532951
20	698.020000	715.980000	28.6532951
10	698.020000	715.980000	28.6532951
0	698.020000	715.980000	28.6532951
-10	698.020000	715.980000	28.6532951
-20	698.020000	715.980000	28.6532951
-30	698.020000	715.980000	28.6532951
Minimum voltage	698.020000	715.980000	28.6532951
Maximum voltage	698.020000	715.980000	28.6532951
Nominal voltage	698.020000	715.980000	28.6532951

Note: Nominal voltage= 3.7V, Maximum voltage= 3.8V, Minimum voltage= 3.0V.

End of Test Report