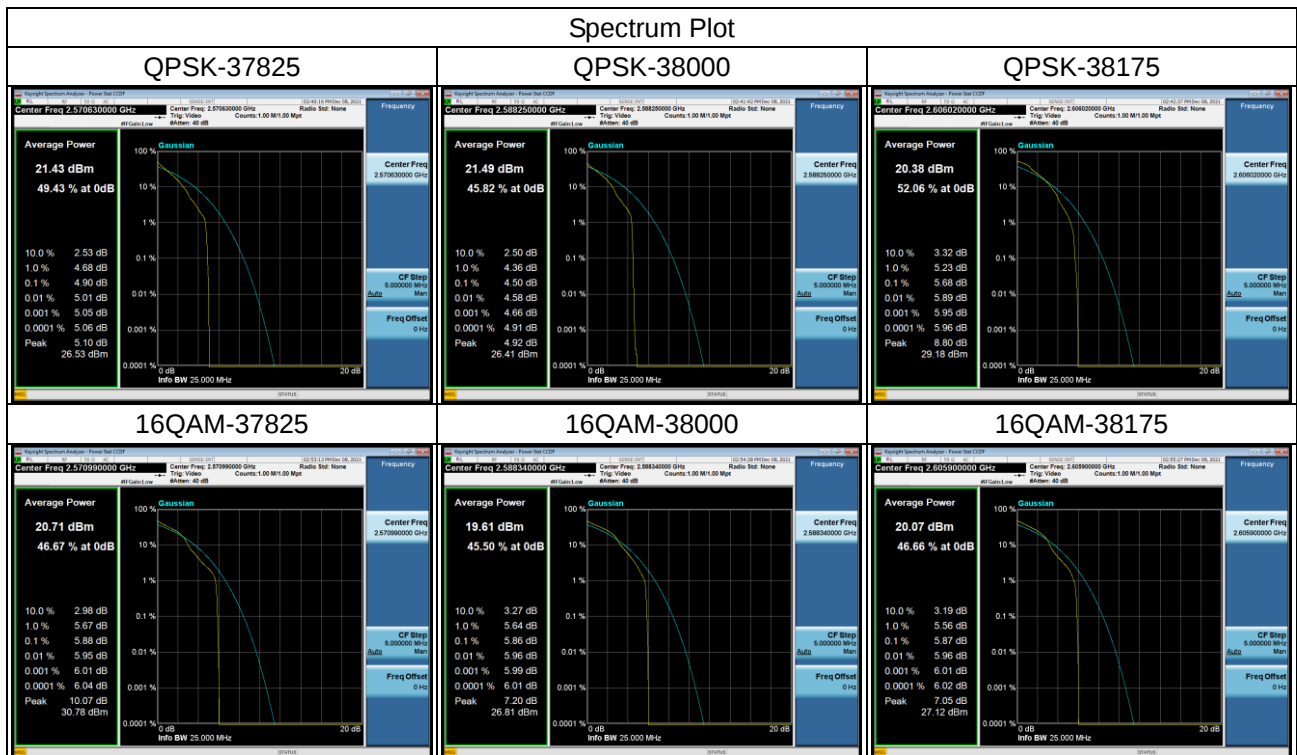
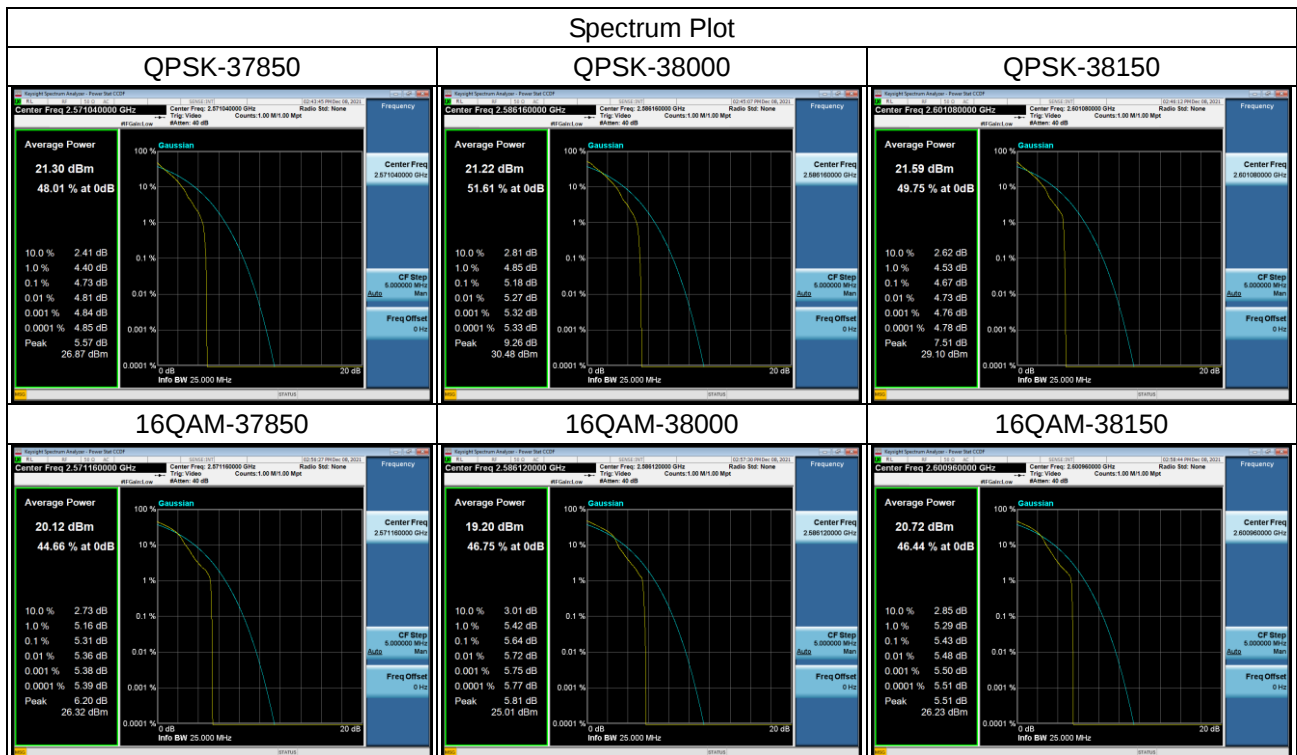


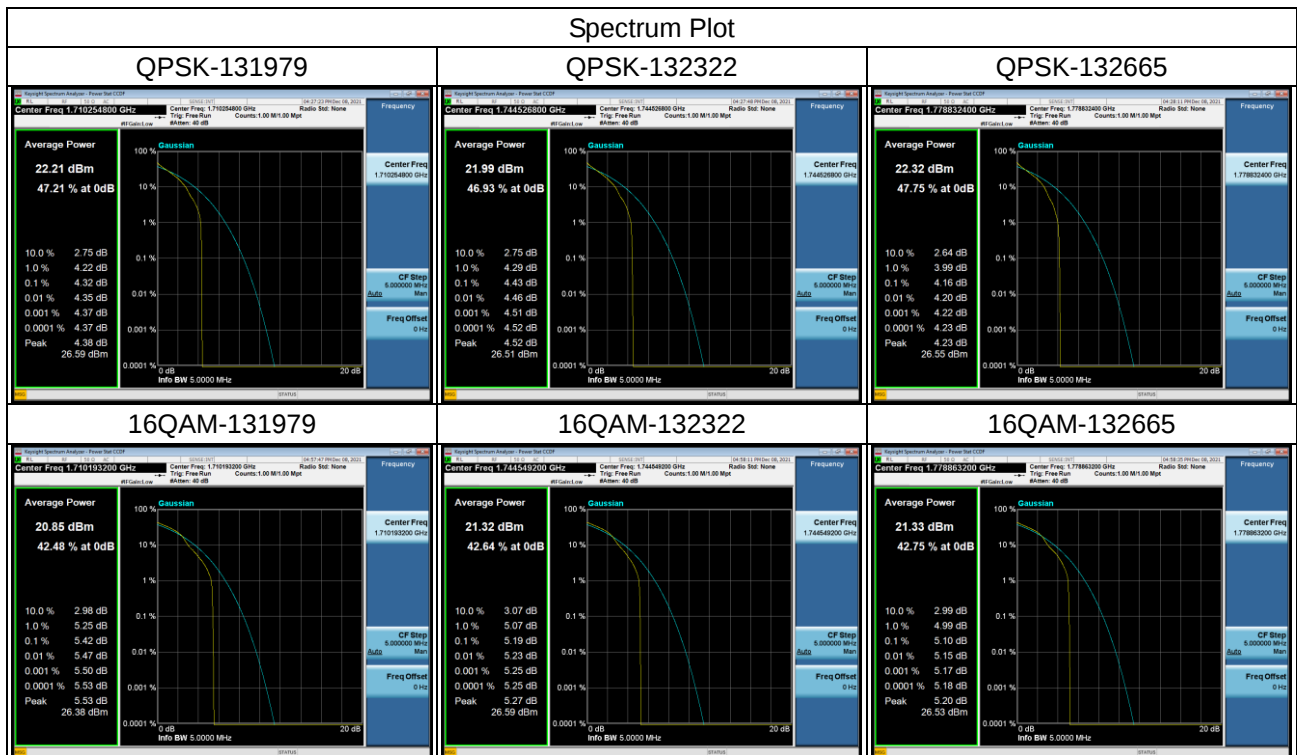
LTE Band 38_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
37825	2577.5	4.90	5.88	13	Pass
38000	2595	4.50	5.86	13	Pass
38175	2612.5	5.68	5.87	13	Pass



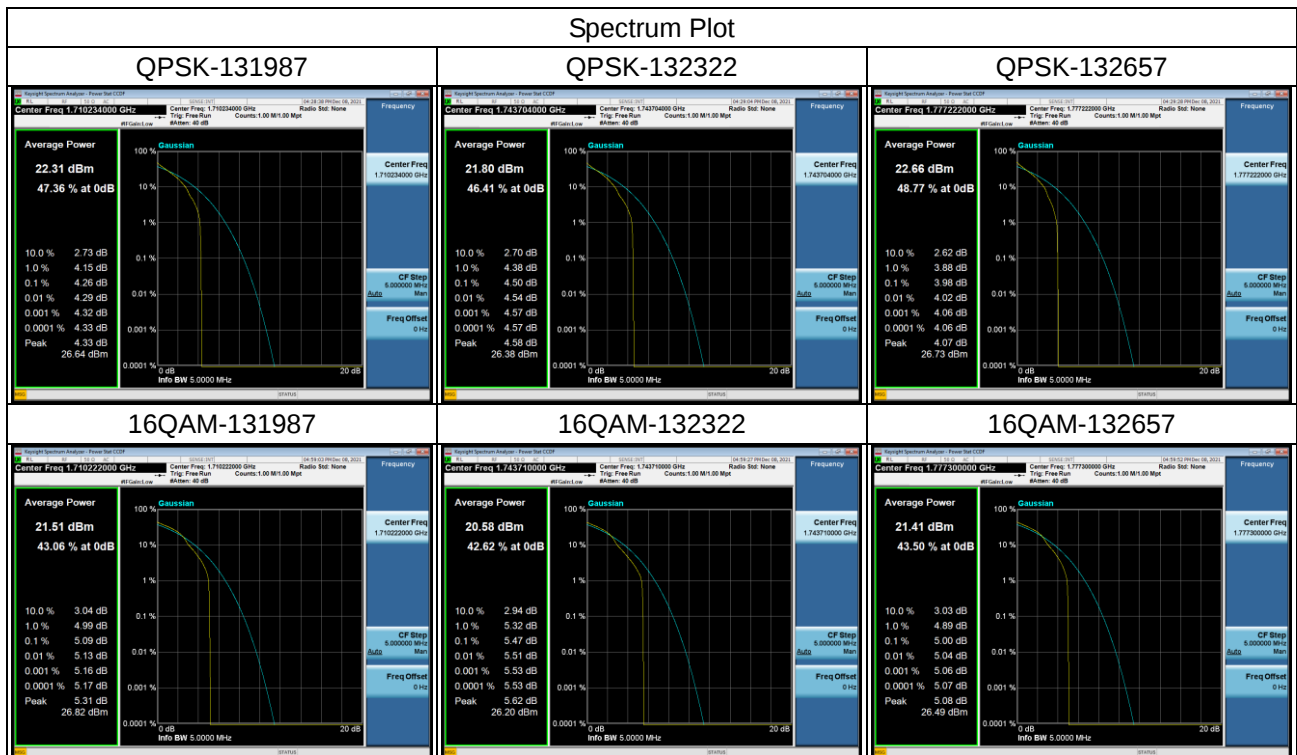
LTE Band 38_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
37850	2580	4.73	5.31	13	Pass
38000	2595	5.18	5.64	13	Pass
38150	2610	4.67	5.43	13	Pass



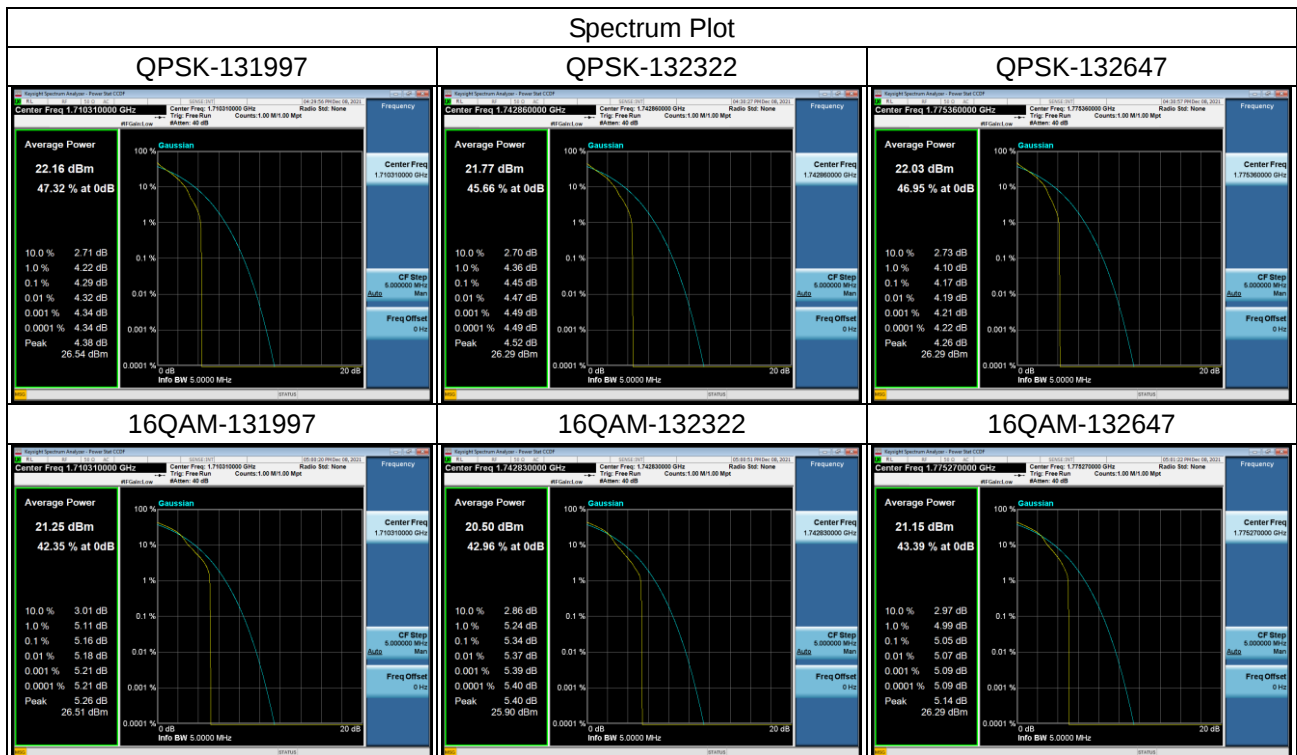
LTE Band 66_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131979	1710.7	4.32	5.42	13	Pass
132322	1745	4.43	5.19	13	Pass
132665	1779.3	4.16	5.10	13	Pass



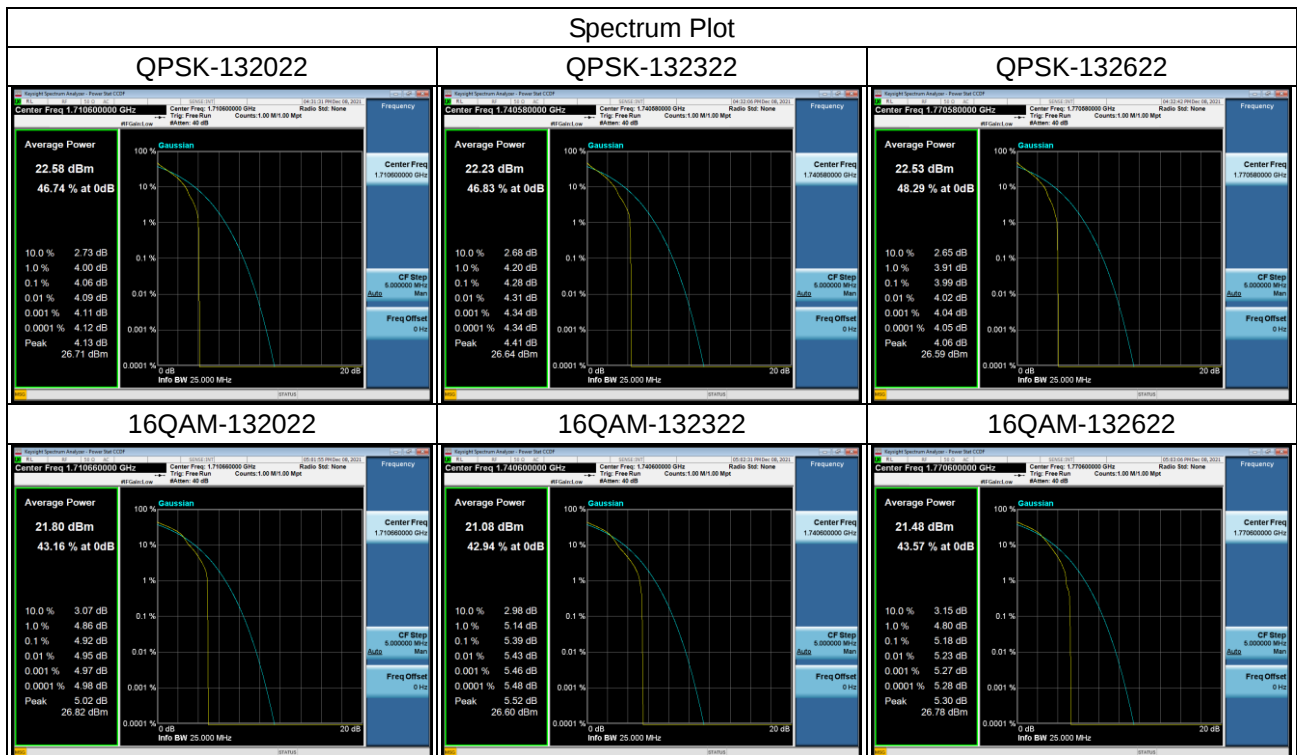
LTE Band 66_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131987	1711.5	4.26	5.09	13	Pass
132322	1745	4.50	5.47	13	Pass
132657	1778.5	3.98	5.00	13	Pass



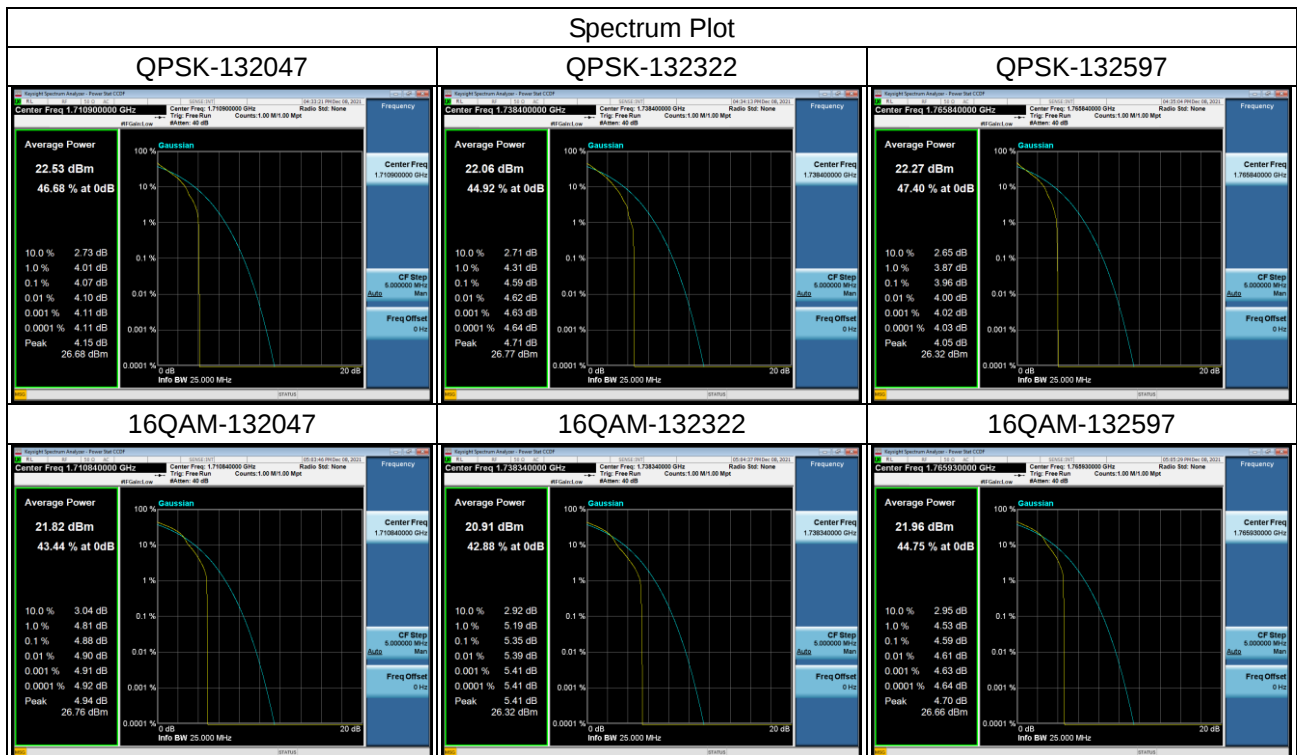
LTE Band 66_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131997	1712.5	4.29	5.16	13	Pass
132322	1745	4.45	5.34	13	Pass
132647	1777.5	4.17	5.05	13	Pass



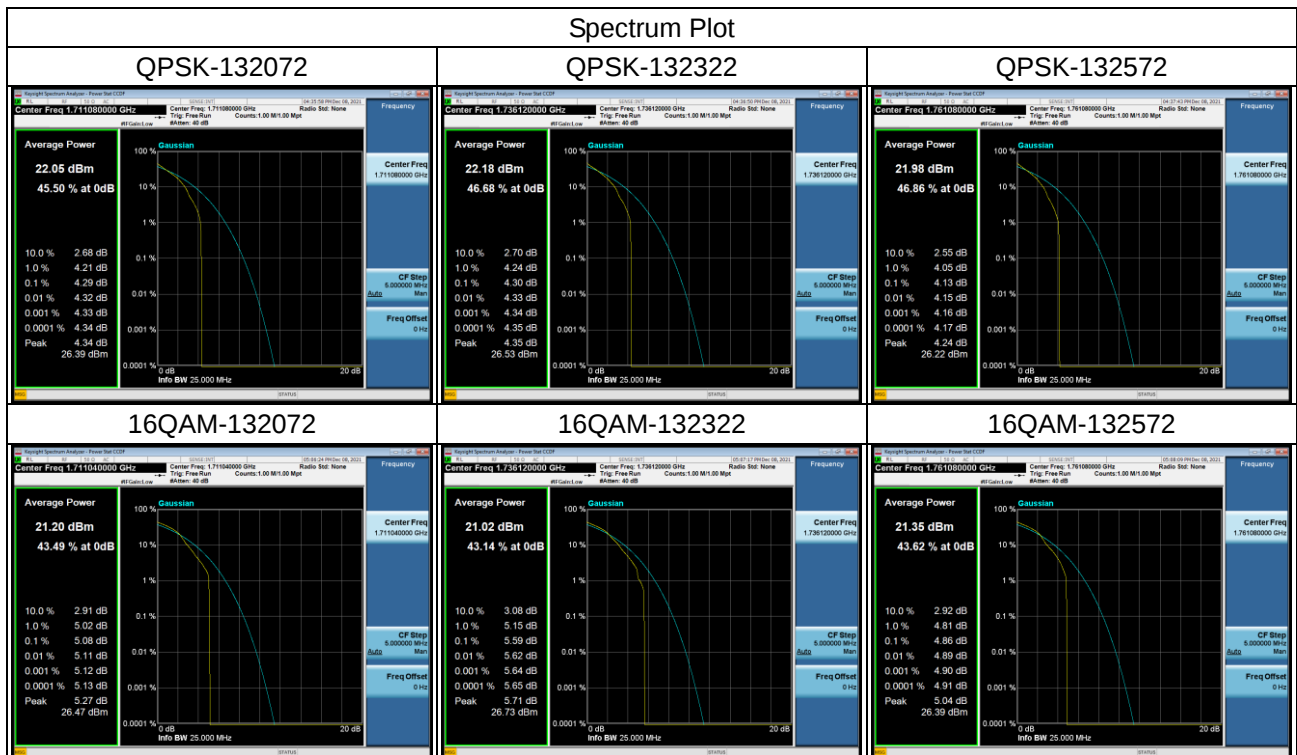
LTE Band 66_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132022	1715	4.06	4.92	13	Pass
132322	1745	4.28	5.39	13	Pass
132622	1775	3.99	5.18	13	Pass



LTE Band 66_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132047	1717.5	4.07	4.88	13	Pass
132322	1745	4.59	5.35	13	Pass
132597	1772.5	3.96	4.59	13	Pass



LTE Band 66_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132072	1720	4.29	5.08	13	Pass
132322	1745	4.30	5.59	13	Pass
132572	1770	4.13	4.86	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	WCDMA Band IV
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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	1710.030000	1754.970000	17.54385965
40	1710.030000	1754.970000	17.54385965
30	1710.030000	1754.970000	17.54385965
20	1710.030000	1754.970000	17.54385965
10	1710.030000	1754.970000	17.54385965
0	1710.030000	1754.970000	17.54385965
-10	1710.030000	1754.970000	17.54385965
-20	1710.030000	1754.970000	17.54385965
-30	1710.030000	1754.970000	17.54385965
Minimum voltage	1710.030000	1754.970000	17.54385965
Maximum voltage	1710.030000	1754.970000	17.54385965
Nominal voltage	1710.030000	1754.970000	17.54385965

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

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	1710.060000	1754.940000	35.0877193
40	1710.060000	1754.940000	35.0877193
30	1710.060000	1754.940000	35.0877193
20	1710.060000	1754.940000	35.0877193
10	1710.060000	1754.940000	35.0877193
0	1710.060000	1754.940000	35.0877193
-10	1710.060000	1754.940000	35.0877193
-20	1710.060000	1754.940000	35.0877193
-30	1710.060000	1754.940000	35.0877193
Minimum voltage	1710.060000	1754.940000	35.0877193
Maximum voltage	1710.060000	1754.940000	35.0877193
Nominal voltage	1710.060000	1754.940000	35.0877193

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

Test Mode	LTE Band 7_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:2500 Reference point -10dBm	High channel limit:2570 Reference point -10dBm	Record only
50	2500.090000	2569.920000	36
40	2500.090000	2569.920000	36
30	2500.090000	2569.920000	36
20	2500.090000	2569.920000	36
10	2500.090000	2569.920000	36
0	2500.090000	2569.920000	36
-10	2500.090000	2569.920000	36
-20	2500.090000	2569.920000	36
-30	2500.090000	2569.920000	36
Minimum voltage	2500.090000	2569.920000	36
Maximum voltage	2500.090000	2569.920000	36
Nominal voltage	2500.090000	2569.920000	36

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

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	699.100000	715.950000	143.0615165
40	699.100000	715.950000	143.0615165
30	699.100000	715.950000	143.0615165
20	699.100000	715.950000	143.0615165
10	699.100000	715.950000	143.0615165
0	699.100000	715.950000	143.0615165
-10	699.100000	715.950000	143.0615165
-20	699.100000	715.950000	143.0615165
-30	699.100000	715.950000	143.0615165
Minimum voltage	699.100000	715.950000	143.0615165
Maximum voltage	699.100000	715.950000	143.0615165
Nominal voltage	699.100000	715.950000	143.0615165

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

Test Mode	LTE Band 17_10MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:704 Reference point -13dBm	High channel limit:716 Reference point -13dBm	Record only
50	704.050000	715.950000	71.02272727
40	704.050000	715.950000	71.02272727
30	704.050000	715.950000	71.02272727
20	704.050000	715.950000	71.02272727
10	704.050000	715.950000	71.02272727
0	704.050000	715.950000	71.02272727
-10	704.050000	715.950000	71.02272727
-20	704.050000	715.950000	71.02272727
-30	704.050000	715.950000	71.02272727
Minimum voltage	704.050000	715.950000	71.02272727
Maximum voltage	704.050000	715.950000	71.02272727
Nominal voltage	704.050000	715.950000	71.02272727

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

Test Mode	LTE Band 38_20MHz
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Frequency error versus temperature and supply voltage			
Temperature (°C)	Frequency (MHz)		worst ppm
	Low channel limit:2570 Reference point -10dBm	High channel limit:2620 Reference point -10dBm	Record only
50	2570.170000	2619.850000	66.14785992
40	2570.170000	2619.850000	66.14785992
30	2570.170000	2619.850000	66.14785992
20	2570.170000	2619.850000	66.14785992
10	2570.170000	2619.850000	66.14785992
0	2570.170000	2619.850000	66.14785992
-10	2570.170000	2619.850000	66.14785992
-20	2570.170000	2619.850000	66.14785992
-30	2570.170000	2619.850000	66.14785992
Minimum voltage	2570.170000	2619.850000	66.14785992
Maximum voltage	2570.170000	2619.850000	66.14785992
Nominal voltage	2570.170000	2619.850000	66.14785992

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

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	1710.160000	1779.880000	93.56725146
40	1710.160000	1779.880000	93.56725146
30	1710.160000	1779.880000	93.56725146
20	1710.160000	1779.880000	93.56725146
10	1710.160000	1779.880000	93.56725146
0	1710.160000	1779.880000	93.56725146
-10	1710.160000	1779.880000	93.56725146
-20	1710.160000	1779.880000	93.56725146
-30	1710.160000	1779.880000	93.56725146
Minimum voltage	1710.160000	1779.880000	93.56725146
Maximum voltage	1710.160000	1779.880000	93.56725146
Nominal voltage	1710.160000	1779.880000	93.56725146

Note: Nominal voltage= 3.8V, Maximum voltage= 4.3V, Minimum voltage= 3.3V.

End of Test Report