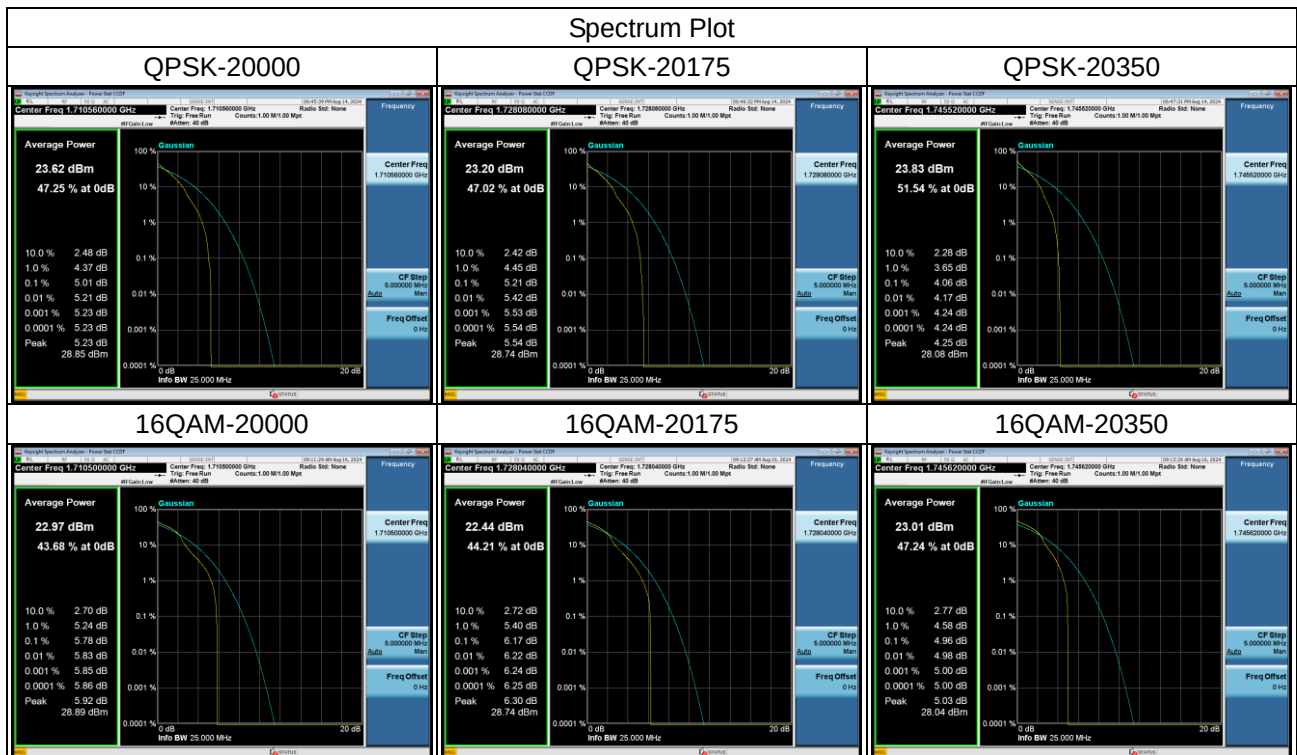
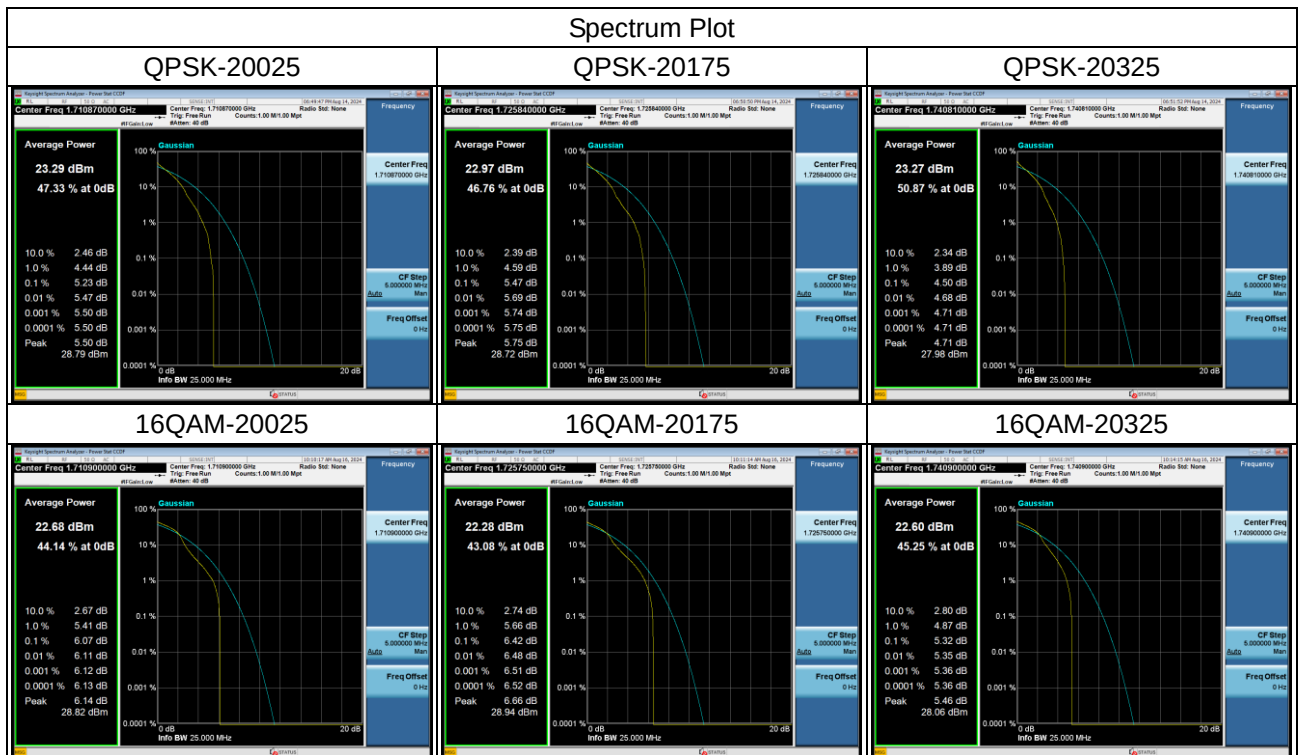


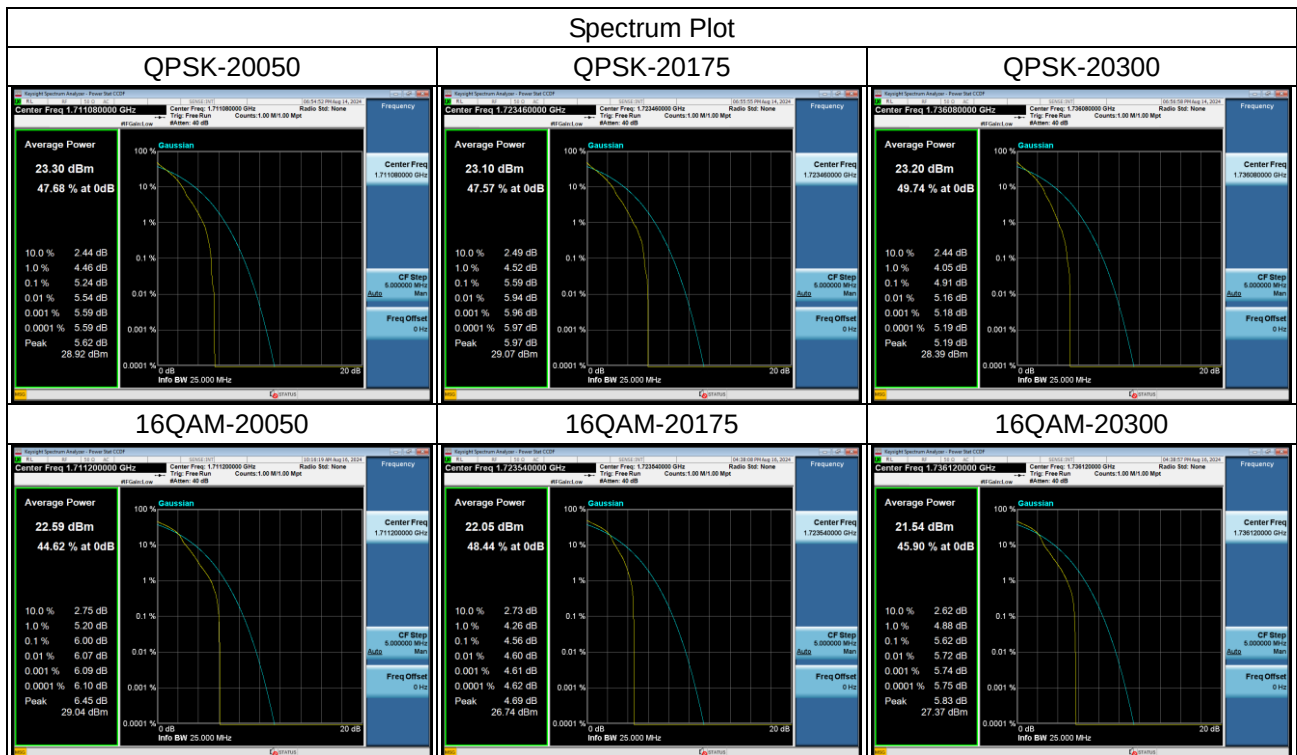
LTE Band 4_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20000	1715	5.01	5.78	13	Pass
20175	1732.5	5.21	6.17	13	Pass
20350	1715	4.06	4.96	13	Pass



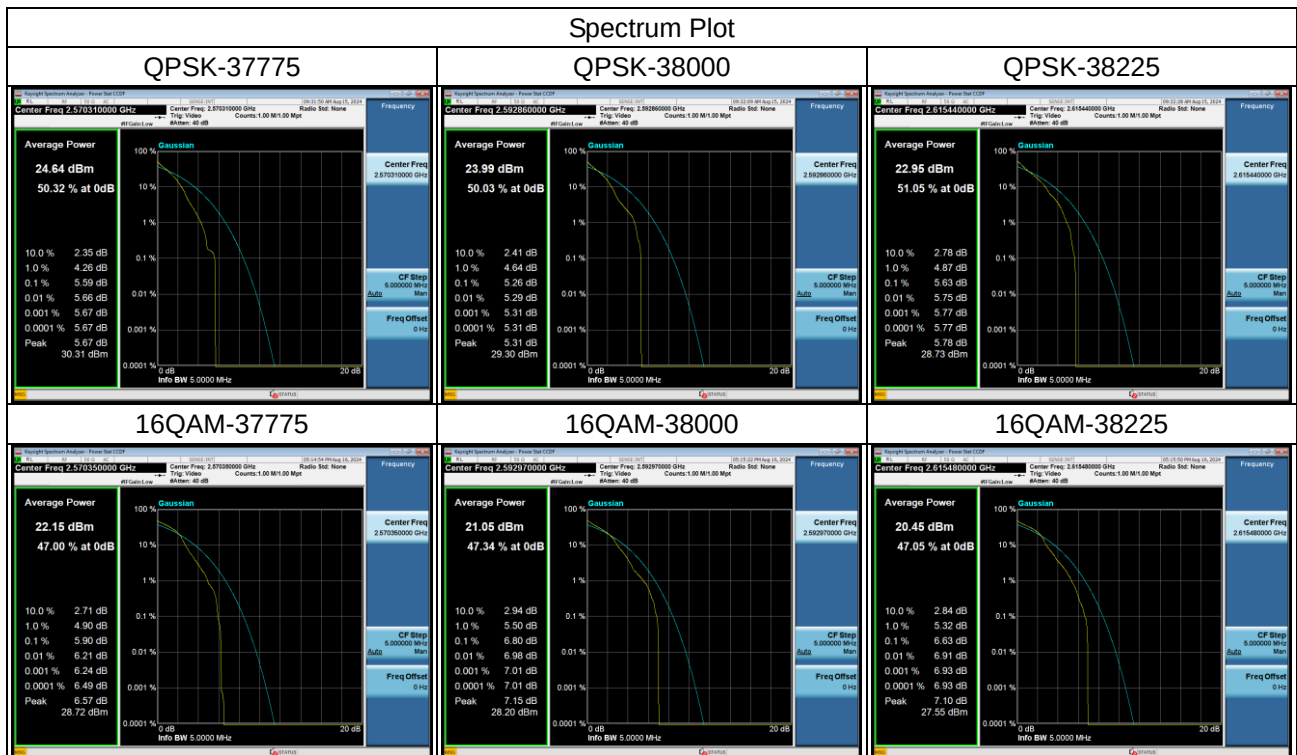
LTE Band 4_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20025	1717.5	5.23	6.07	13	Pass
20175	1732.5	5.47	6.42	13	Pass
20325	1747.5	4.50	5.32	13	Pass



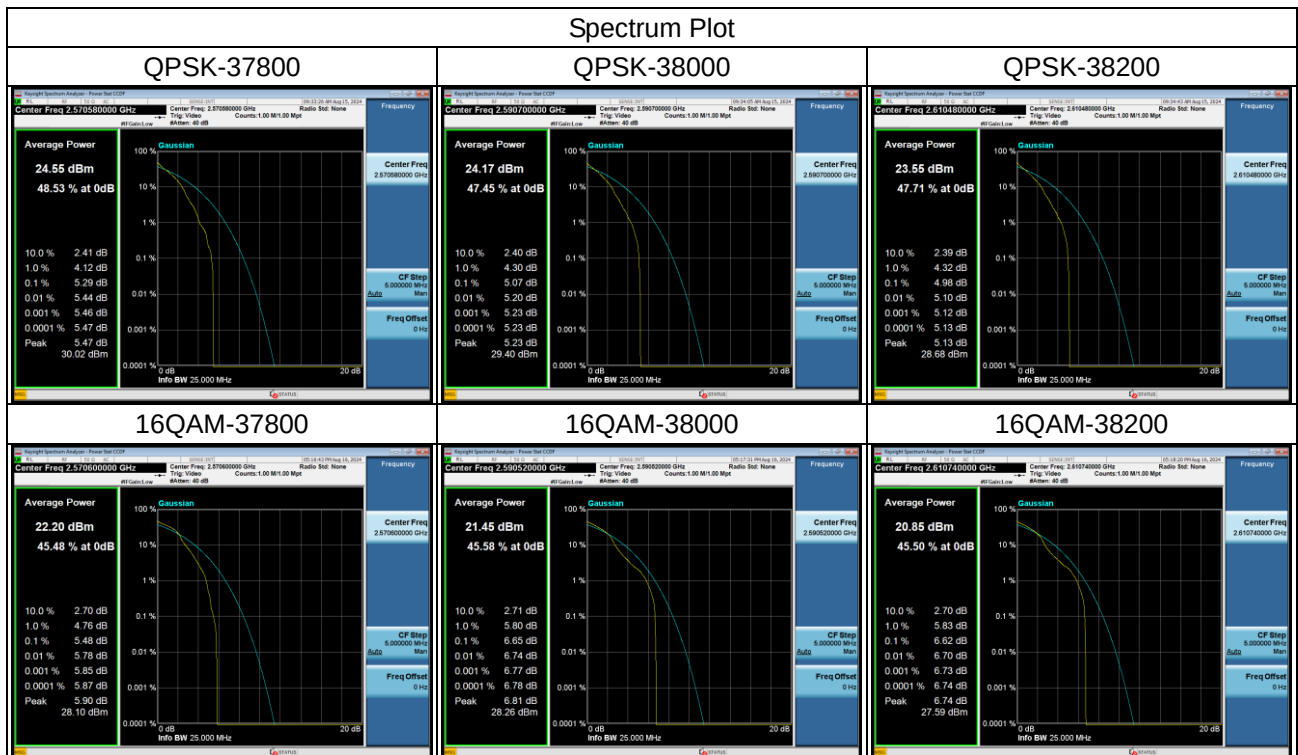
LTE Band 4_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20050	1720	5.24	6.00	13	Pass
20175	1732.5	5.59	4.56	13	Pass
20300	1740	4.91	5.62	13	Pass



LTE Band 38_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
37775	2572.5	5.59	5.90	13	Pass
38000	2595	5.26	6.80	13	Pass
38225	2617.5	5.63	6.63	13	Pass

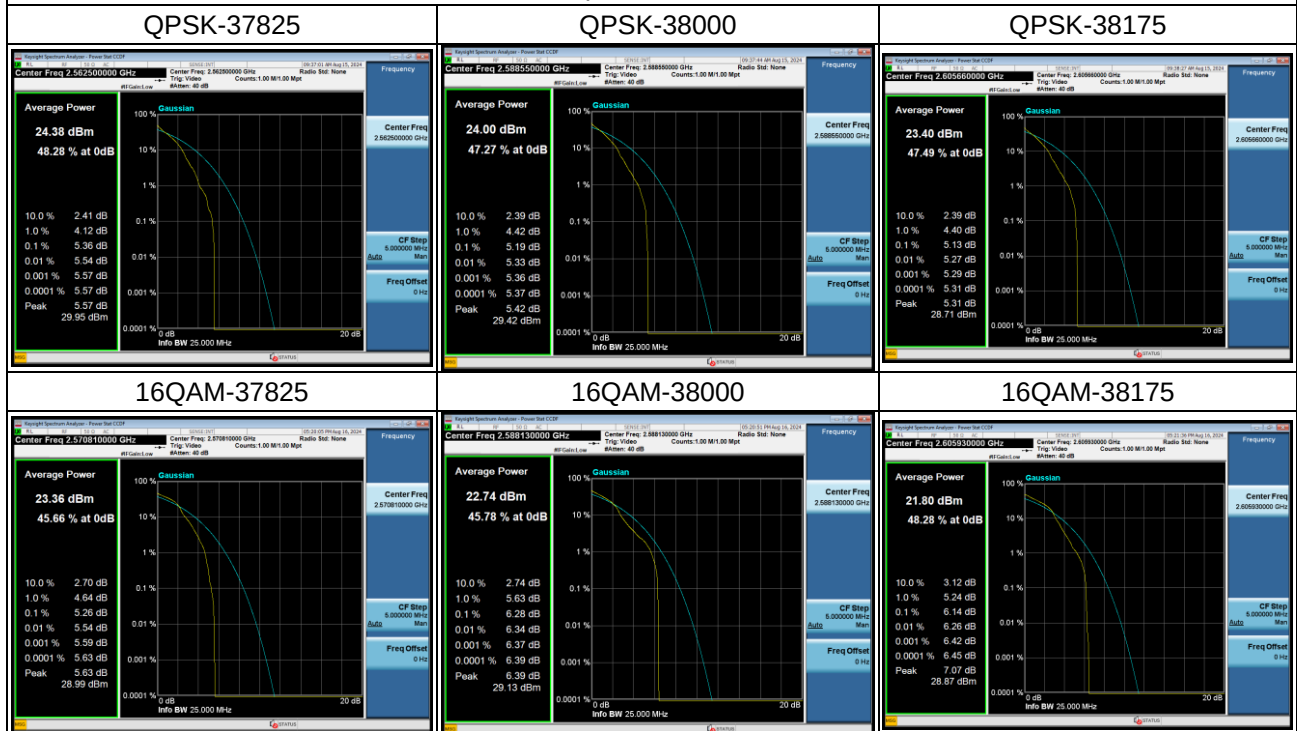


LTE Band 38_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
37800	2575	5.29	5.48	13	Pass
38000	2595	5.07	6.65	13	Pass
38200	2615	4.98	6.62	13	Pass

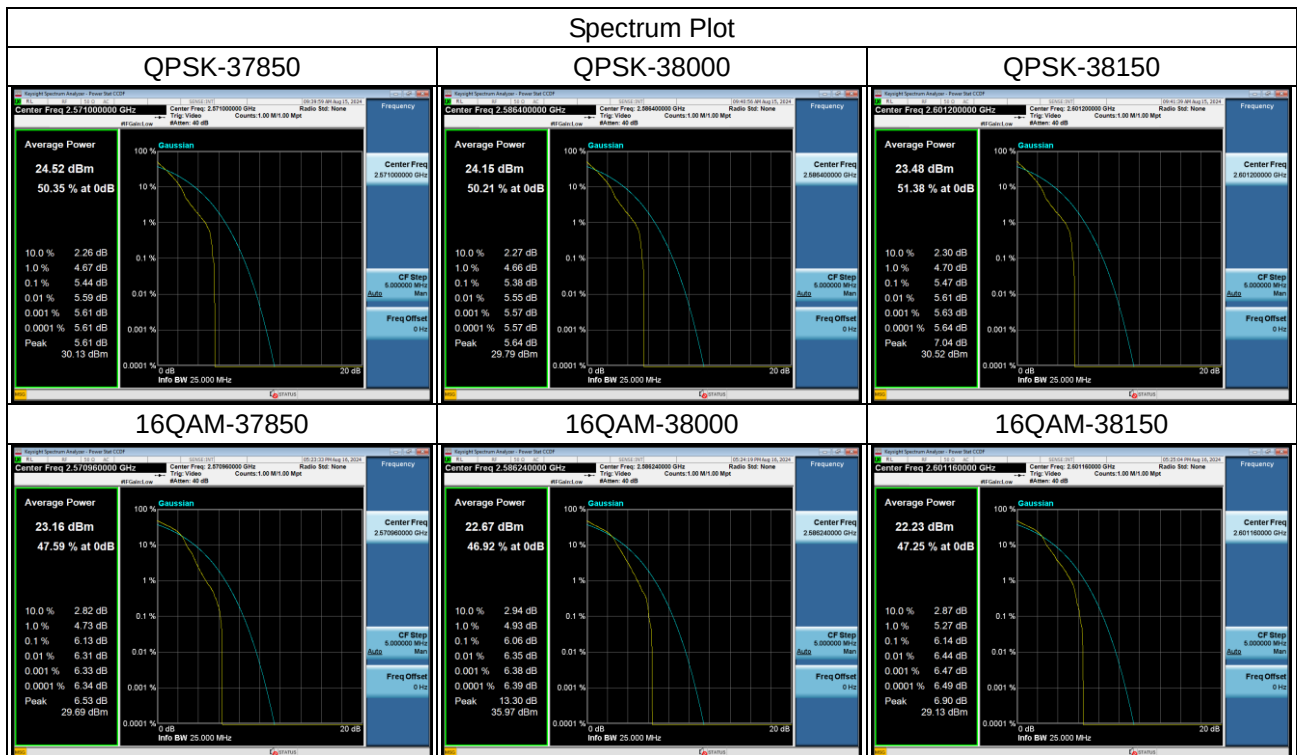


LTE Band 38_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
37825	2577.5	5.36	5.26	13	Pass
38000	2595	5.19	6.28	13	Pass
38175	2612.5	5.13	6.14	13	Pass

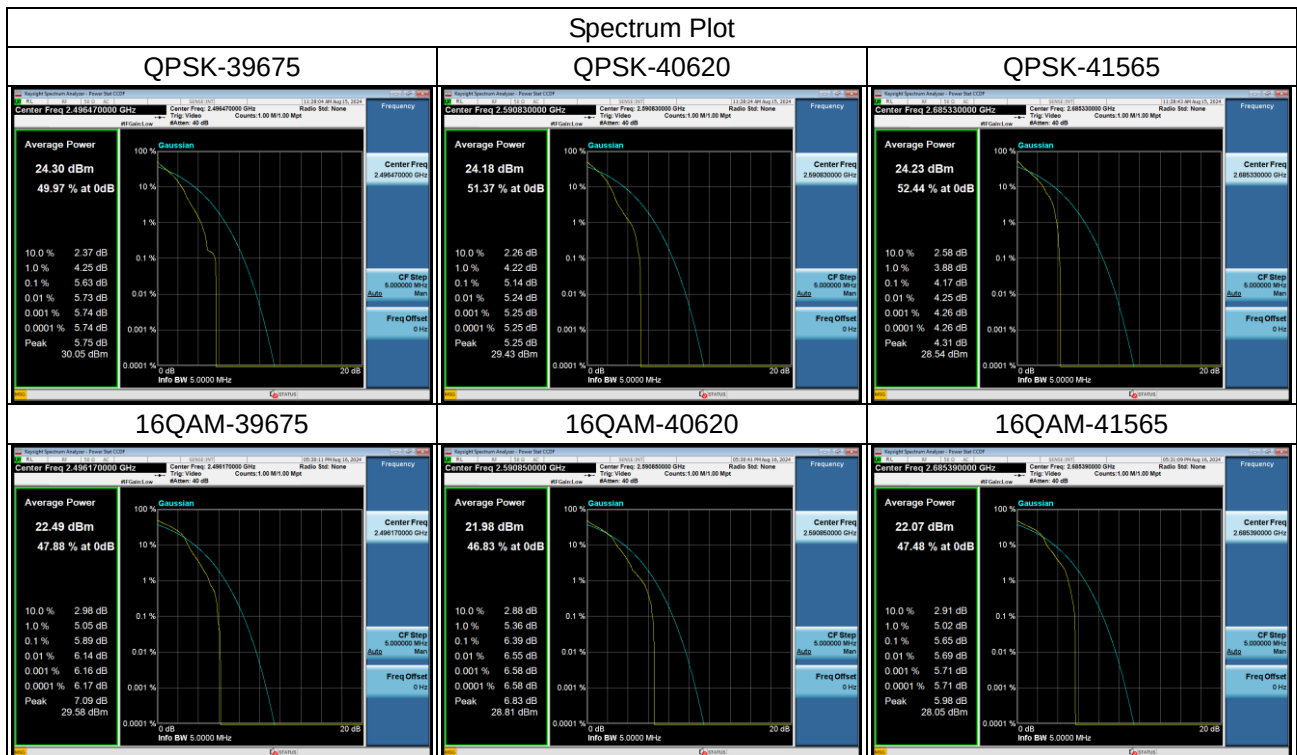
Spectrum Plot



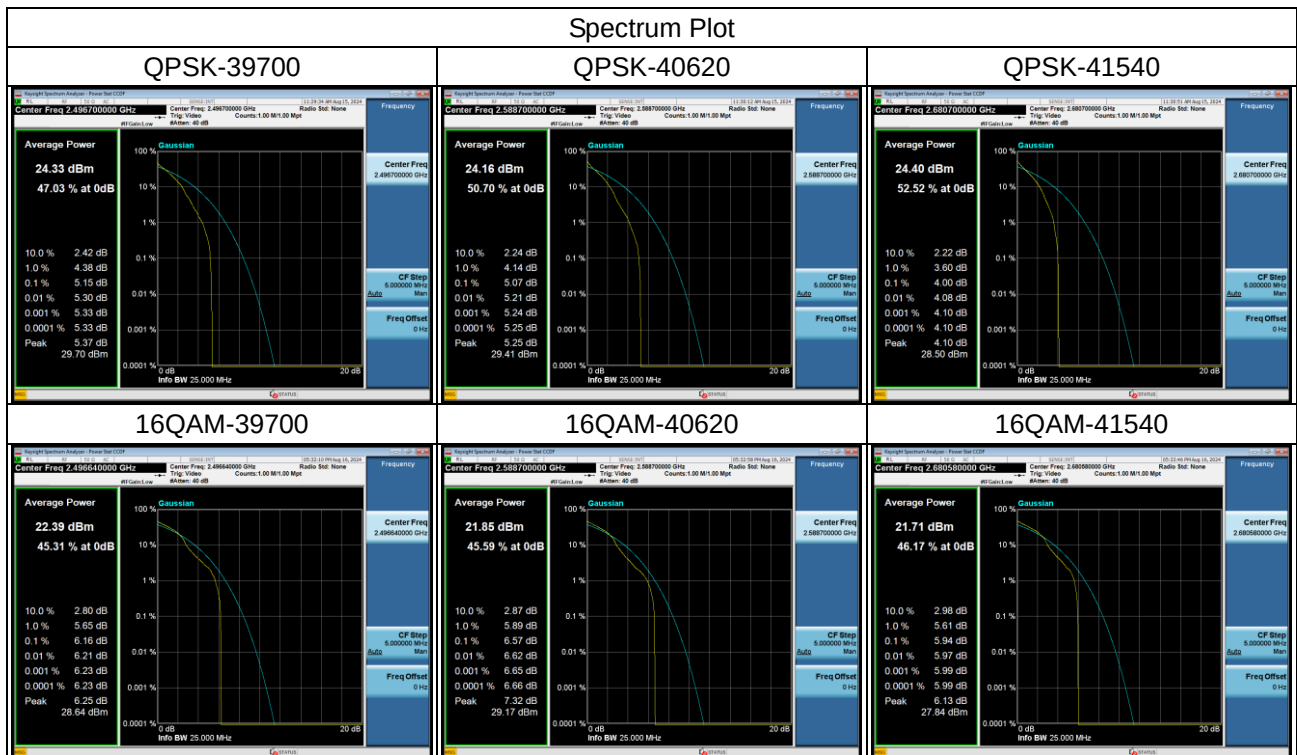
LTE Band 38_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
37850	2580	5.44	6.13	13	Pass
38000	2595	5.38	6.06	13	Pass
38150	2610	5.47	6.14	13	Pass



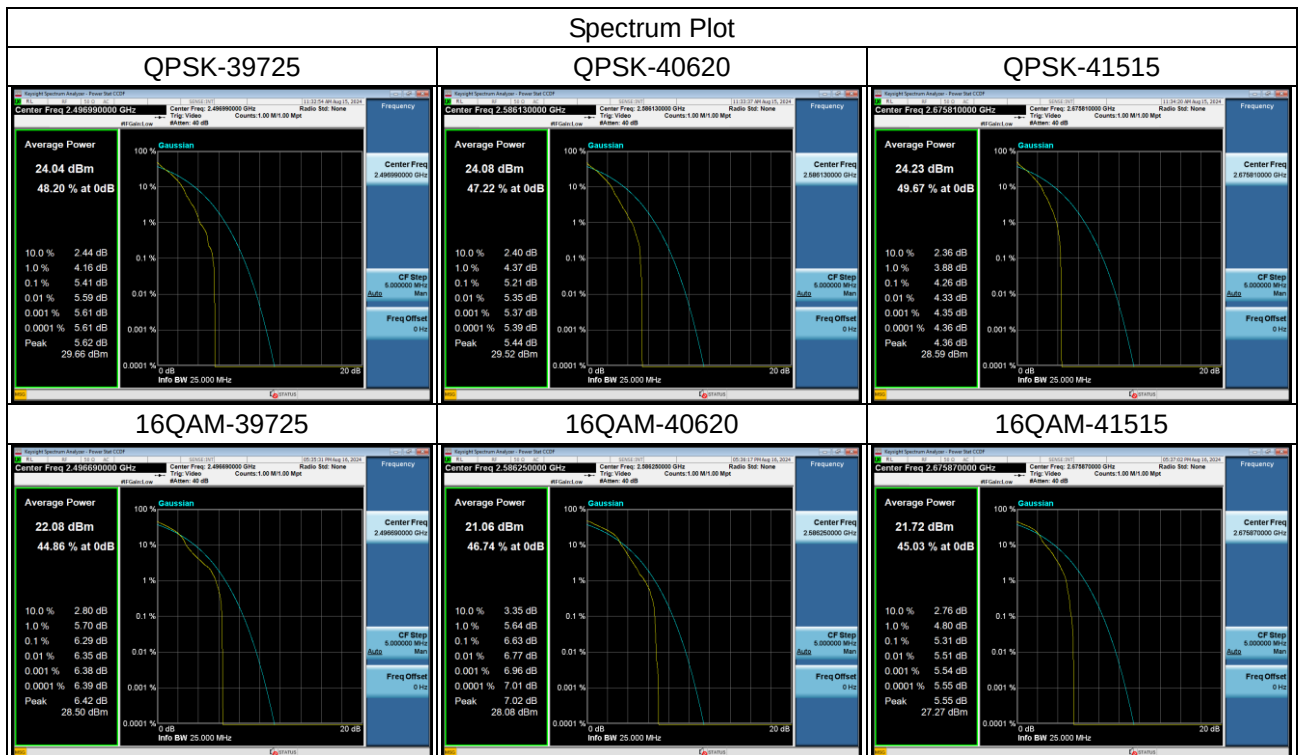
LTE Band 41_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39675	2498.5	5.63	5.89	13	Pass
40620	2593	5.14	6.39	13	Pass
41565	2687.5	4.17	5.65	13	Pass



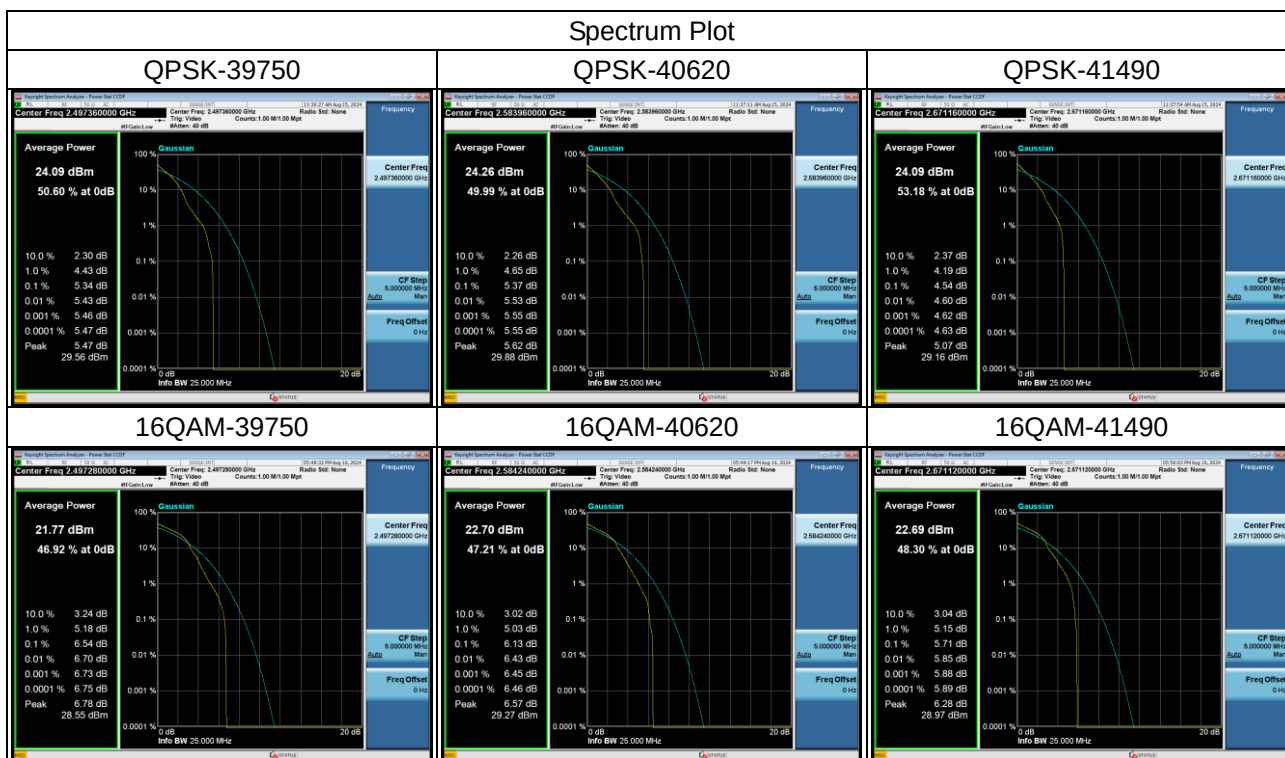
LTE Band 41_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39700	2501.0	5.15	6.16	13	Pass
40620	2593	5.07	6.57	13	Pass
41540	2685.0	4.00	5.94	13	Pass



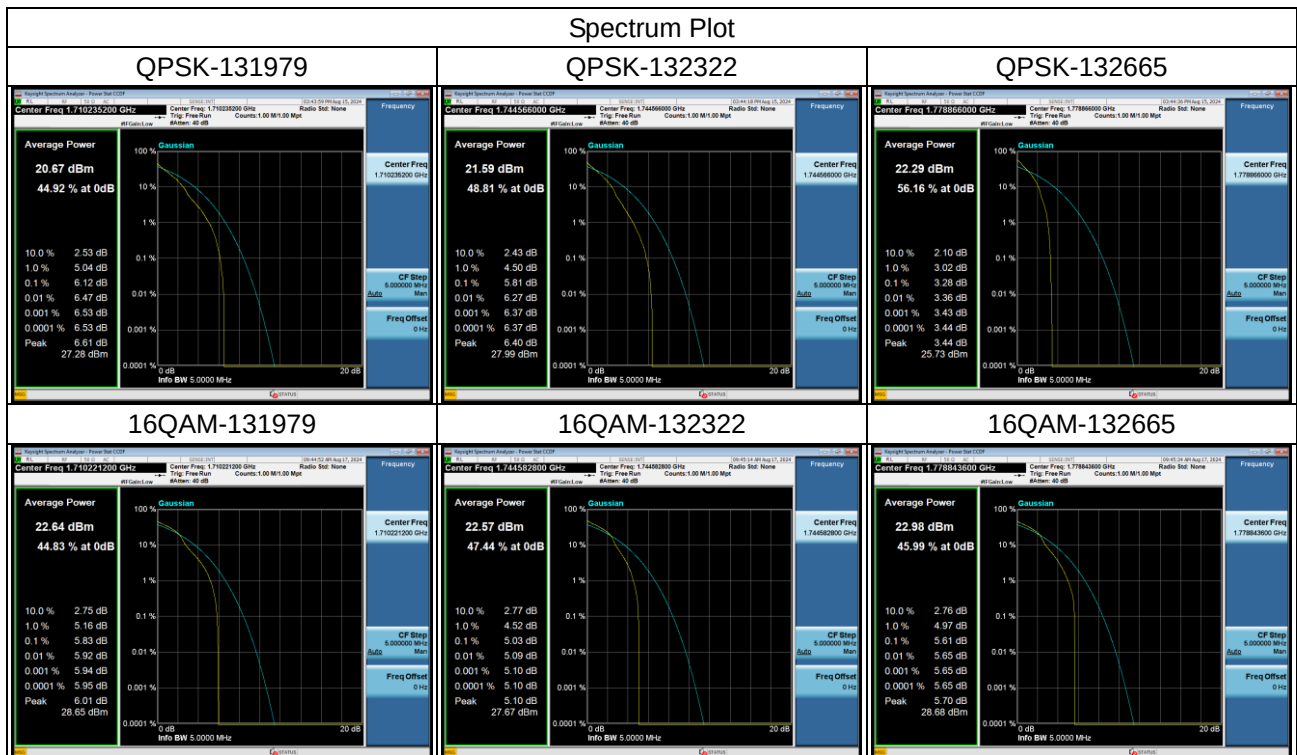
LTE Band 41_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39725	2503.5	5.41	6.29	13	Pass
40620	2593	5.21	6.63	13	Pass
41515	2682.5	4.26	5.31	13	Pass



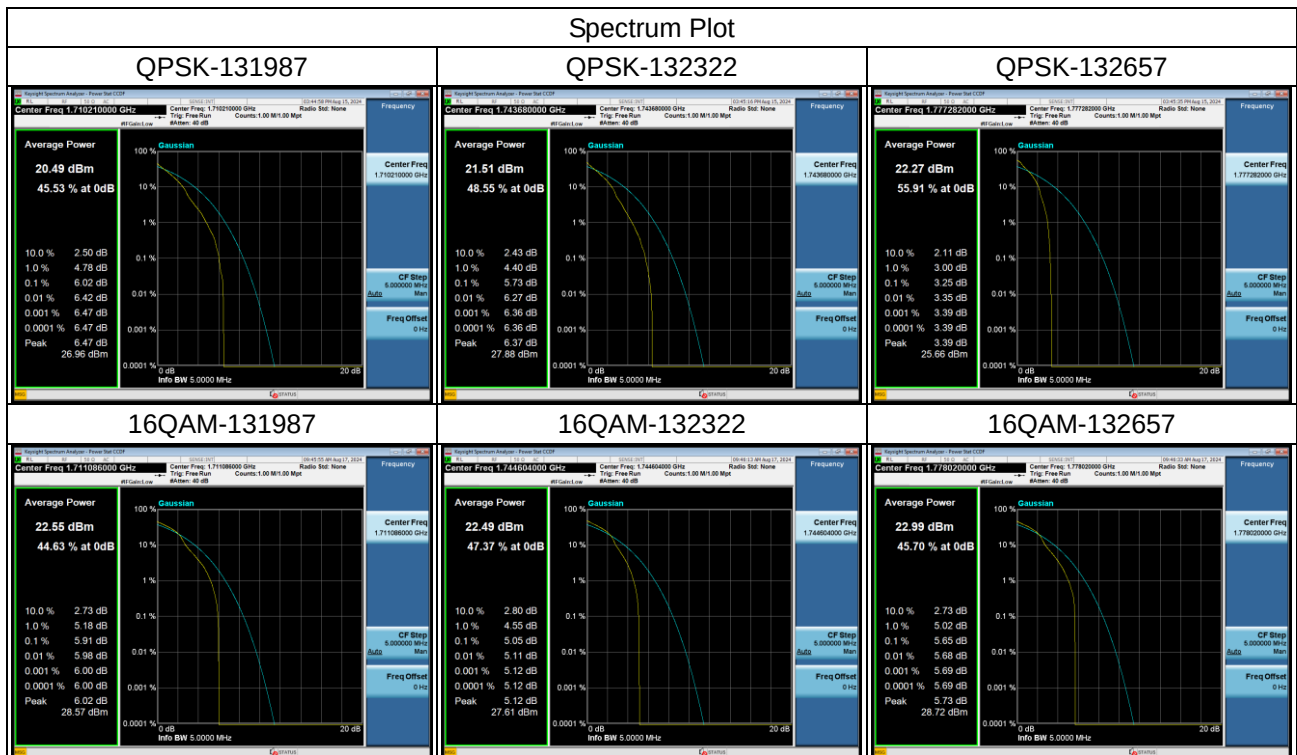
LTE Band 41_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39750	2506.0	5.34	6.54	13	Pass
40620	2593	5.37	6.13	13	Pass
41490	2680.0	4.54	5.71	13	Pass



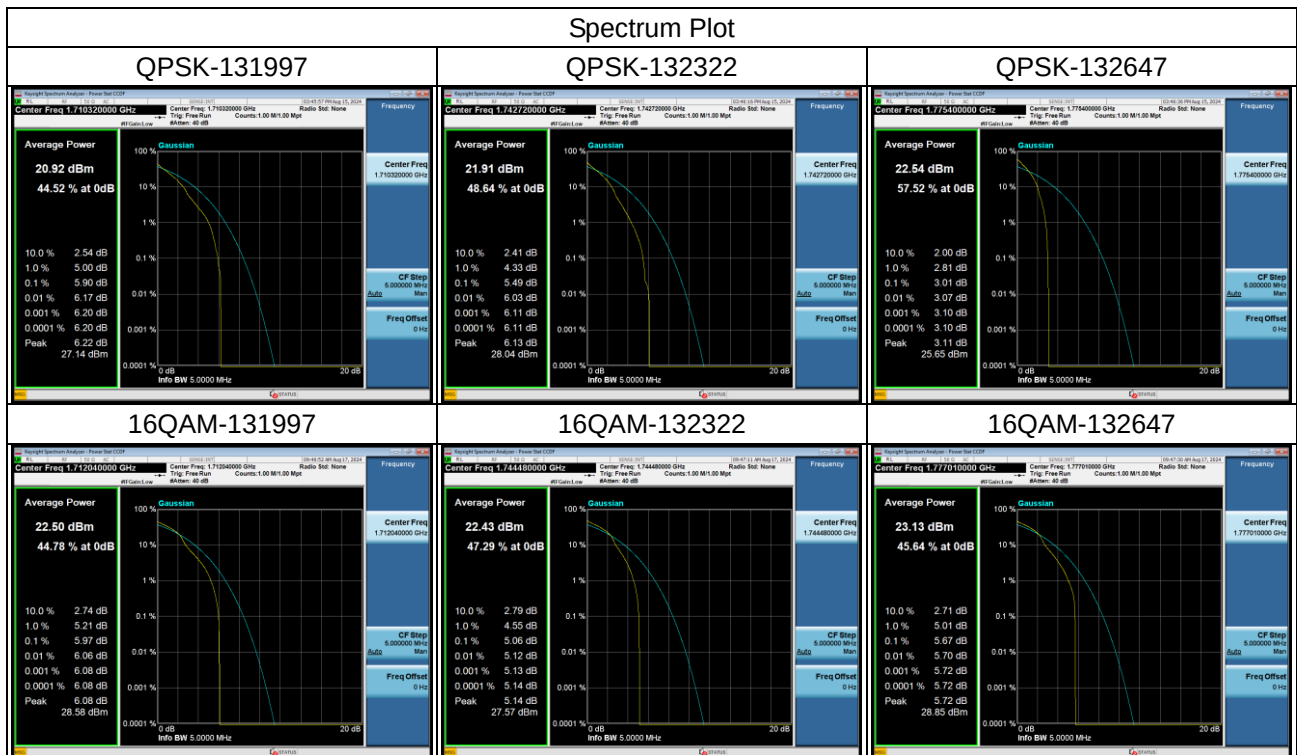
LTE Band 66_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131979	1710.7	6.12	5.83	13	Pass
132322	1745	5.81	5.03	13	Pass
132665	1779.3	3.28	5.61	13	Pass



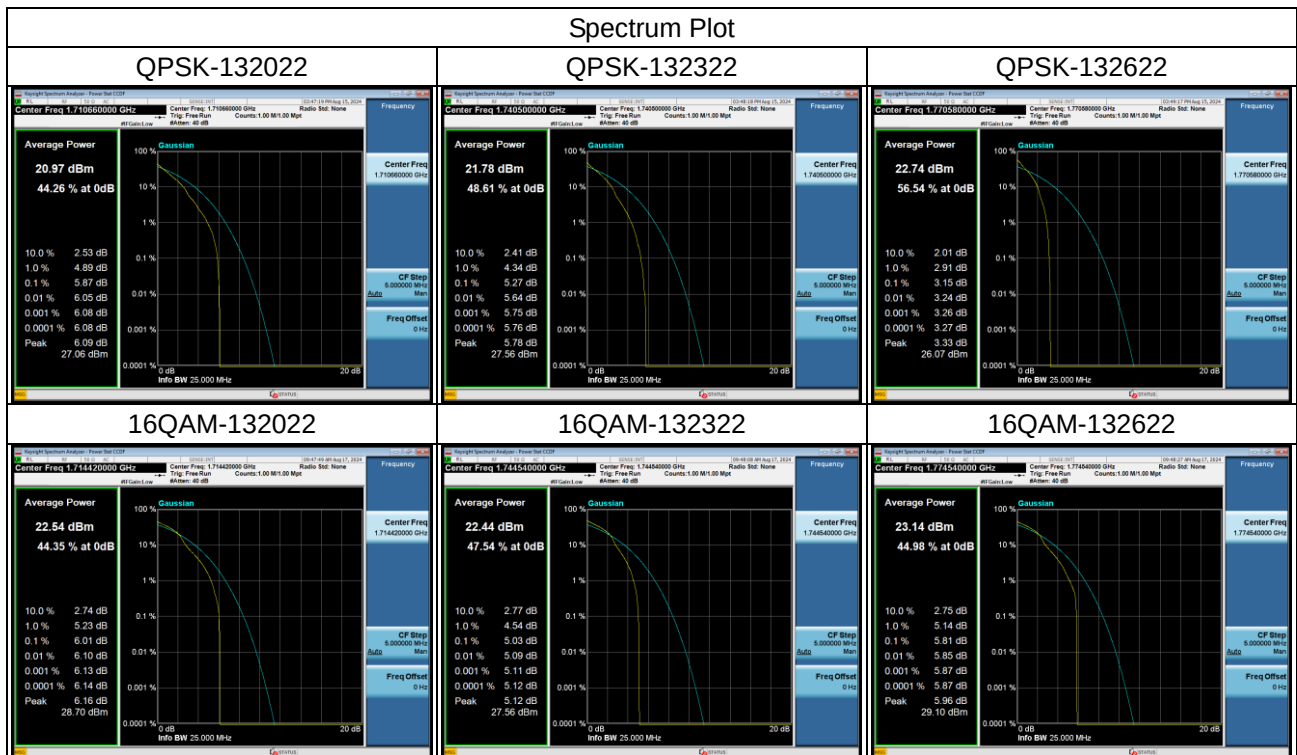
LTE Band 66_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131987	1711.5	6.02	5.91	13	Pass
132322	1745	5.73	5.05	13	Pass
132657	1778.5	3.25	5.65	13	Pass



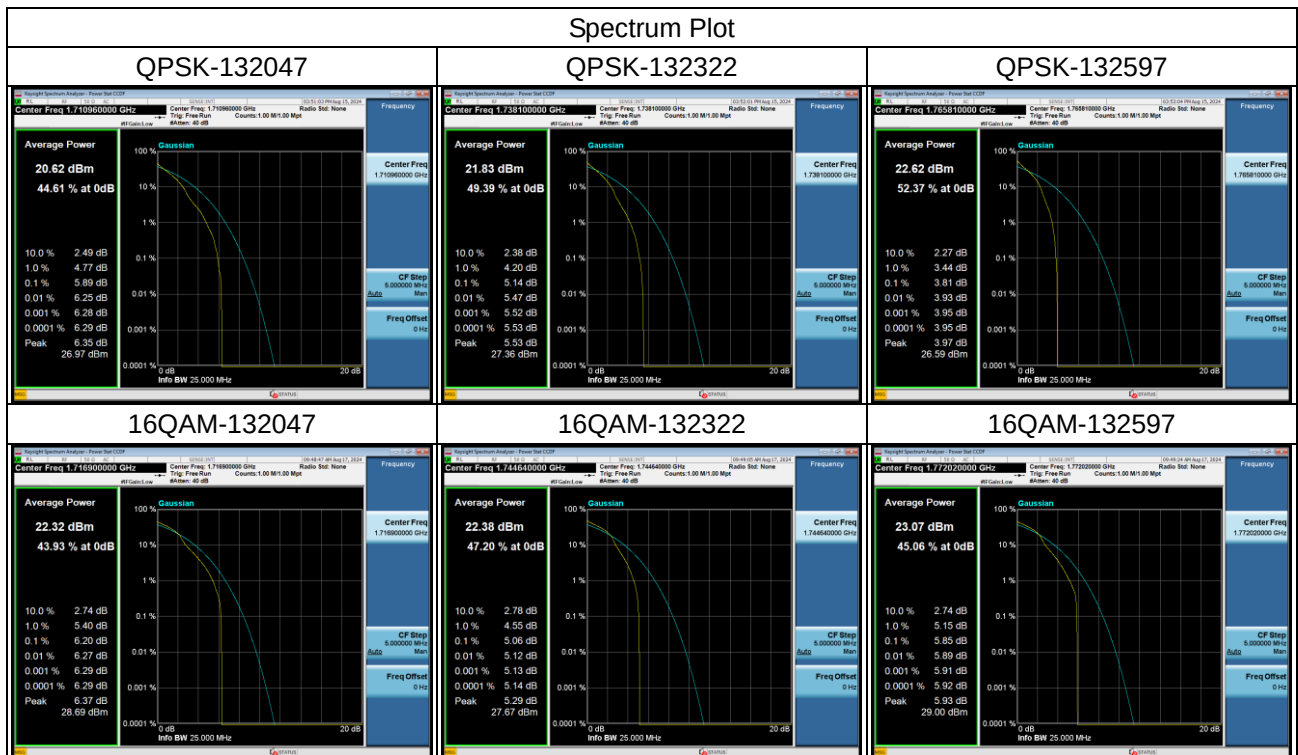
LTE Band 66_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131997	1712.5	5.90	5.97	13	Pass
132322	1745	5.49	5.06	13	Pass
132647	1777.5	3.01	5.67	13	Pass



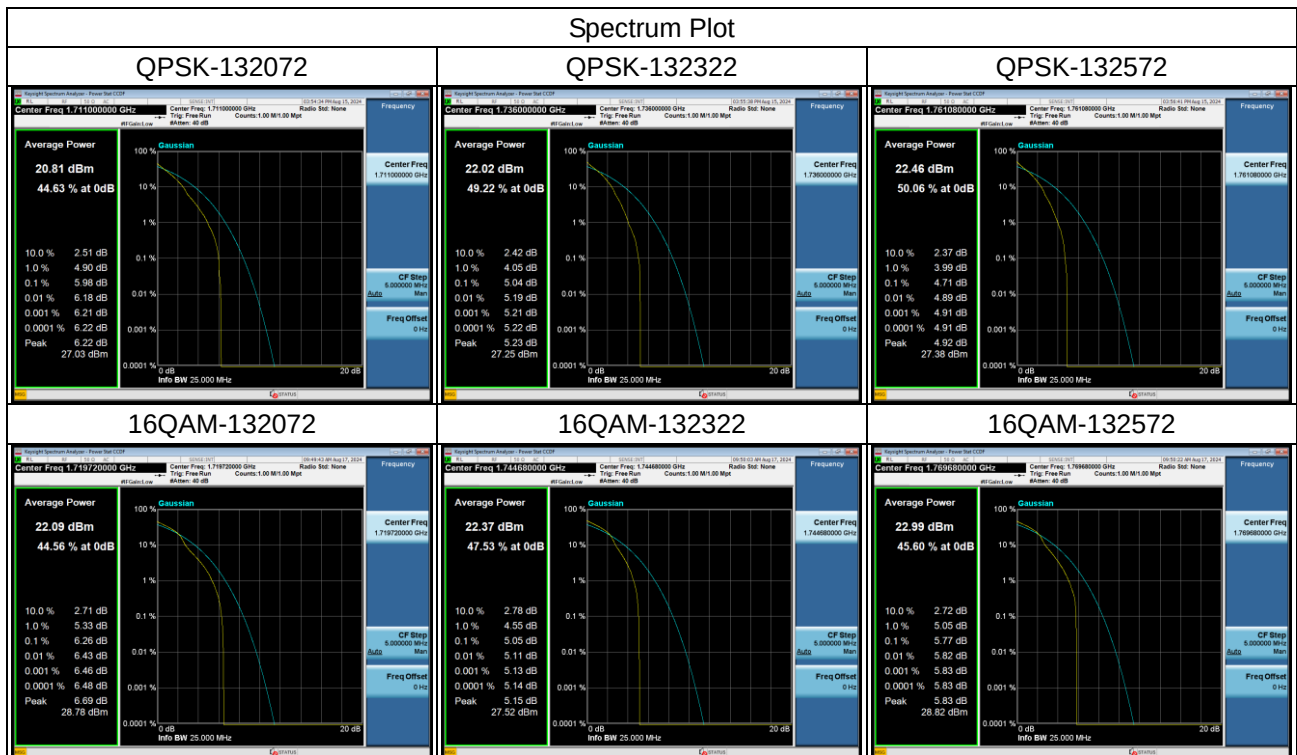
LTE Band 66_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132022	1715	5.87	6.01	13	Pass
132322	1745	5.27	5.03	13	Pass
132622	1775	3.15	5.81	13	Pass



LTE Band 66_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132047	1717.5	5.89	6.20	13	Pass
132322	1745	5.14	5.06	13	Pass
132597	1772.5	3.81	5.85	13	Pass



LTE Band 66_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132072	1720	5.98	6.26	13	Pass
132322	1745	5.04	5.05	13	Pass
132572	1770	4.71	5.77	13	Pass



APPENDIX I - FREQUENCY STABILITY

Test Mode	LTE Band 4_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point: -13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1755MHz		Record only
50	-0.000016	-0.0001831	1710.23	1754.61	1710.230016	1754.609817	Pass	-0.1049
40	0.0000428	0.0000697			1710.229957	1754.610070	Pass	0.0399
30	0.0001746	0.0001154			1710.229825	1754.610115	Pass	0.1015
20	-0.0000255	-0.0001339			1710.230026	1754.609866	Pass	-0.0767
10	0.000153	0.0001776			1710.229847	1754.610178	Pass	0.1018
0	-0.0001768	0.000186			1710.230177	1754.610186	Pass	0.1066
-10	-0.000002	-0.0001245			1710.230002	1754.609876	Pass	-0.0713
-20	0.0001094	0.0000485			1710.229891	1754.610049	Pass	0.0636
-30	-0.0001804	0.0001522			1710.230180	1754.610152	Pass	-0.1049
Maximum voltage	0.0001731	-0.0000976			1710.229827	1754.609902	Pass	0.1006
Minimum voltage	0.0000396	-0.0001004			1710.229960	1754.609900	Pass	-0.0575
Nominal voltage	0.00000851	0.0001832			1710.229991	1754.610183	Pass	0.1050

Note: Nominal voltage= 3.8V, Maximum voltage= 4.5V, Minimum voltage= 3.4V.

Test Mode	LTE Band 7_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point: -10dBm		Frequency calculation value (MHz) Limit: The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit: 2500MHz	Highest channel limit: 2570MHz		Record only
50	-0.0001659	-0.0001546	2501.37	2569.68	2501.370166	2569.679845	Pass	-0.0661
40	0.0000417	0.0001806			2501.369958	2569.680181	Pass	0.0705
30	0.000068	0.0000492			2501.369932	2569.680049	Pass	0.0271
20	-0.0001755	0.0001128			2501.370176	2569.680113	Pass	-0.0699
10	0.0000536	0.0000162			2501.369946	2569.680016	Pass	0.0214
0	0.0000444	-0.000134			2501.369956	2569.679866	Pass	-0.0523
-10	-0.0001327	0.0000193			2501.370133	2569.680019	Pass	-0.0529
-20	-0.0000456	-0.0000058			2501.370046	2569.679994	Pass	-0.0182
-30	0.0000514	-0.0000325			2501.369949	2569.679968	Pass	0.0205
Maximum voltage	-0.0001439	0.0001952			2501.370144	2569.680195	Pass	0.0763
Minimum voltage	-0.0001796	0.0001988			2501.370180	2569.680199	Pass	0.0777
Nominal voltage	0.0001553	-0.0001866			2501.369845	2569.679813	Pass	-0.0729

Note: Nominal voltage= 3.8V, Maximum voltage= 4.5V, Minimum voltage= 3.4V.

Test Mode	LTE Band 38_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point: -10dBm		Frequency calculation value (MHz) Limit: The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit: 2570MHz	Highest channel limit: 2620MHz		Record only
50	0.0000311	-0.000059	2570.19	2618.93	2570.189969	2618.929941	Pass	-0.0226
40	-0.000148	0.0000045			2570.190148	2618.930005	Pass	-0.0574
30	0.0000106	-0.0001746			2570.189989	2618.929825	Pass	-0.0669
20	-0.000025	-0.0001085			2570.190025	2618.929892	Pass	-0.0416
10	0.000085	-0.000034			2570.189915	2618.929966	Pass	0.0329
0	-0.0001342	0.0000453			2570.190134	2618.930045	Pass	-0.0520
-10	-0.0001844	0.0000101			2570.190184	2618.930010	Pass	-0.0715
-20	-0.0000576	-0.0001946			2570.190058	2618.929805	Pass	-0.0746
-30	-0.0001559	-0.0001802			2570.190156	2618.929820	Pass	-0.0690
Maximum voltage	-0.0001005	-0.000091			2570.190101	2618.929909	Pass	-0.0390
Minimum voltage	-0.0001994	-0.000022			2570.190199	2618.929978	Pass	-0.0773
Nominal voltage	0.0000478	-0.0000759			2570.189952	2618.929924	Pass	-0.0291

Note: Nominal voltage= 3.8V, Maximum voltage= 4.5V, Minimum voltage= 3.4V.

Test Mode	LTE Band 41_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point: -13dBm		Frequency calculation value (MHz) Limit: The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit: 2496MHz	Highest channel limit: 2690MHz		Record only
50	0.0000965	0.0000598	2496.47	2689.51	2496.469904	2689.510060	Pass	0.0385
40	0.000008	-0.0001196			2496.469992	2689.509880	Pass	-0.0446
30	-0.0001653	-0.0000691			2496.470165	2689.509931	Pass	-0.0660
20	-0.0001565	-0.0001104			2496.470157	2689.509890	Pass	-0.0625
10	0.0000749	0.0000928			2496.469925	2689.510093	Pass	0.0346
0	0.0000091	-0.0000647			2496.469991	2689.509935	Pass	-0.0241
-10	0.0001895	-0.0001873			2496.469811	2689.509813	Pass	0.0756
-20	-0.0001227	-0.0000793			2496.470123	2689.509921	Pass	-0.0490
-30	0.0001332	-0.0001123			2496.469867	2689.509888	Pass	0.0532
Maximum voltage	0.000193	0.0001798			2496.469807	2689.510180	Pass	0.0770
Minimum voltage	0.0000432	0.0001292			2496.469957	2689.510129	Pass	0.0482
Nominal voltage	0.0000691	-0.0001144			2496.469931	2689.509886	Pass	-0.0427

Note: Nominal voltage= 3.8V, Maximum voltage= 4.5V, Minimum voltage= 3.4V.

Test Mode	LTE Band 66_20MHz
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Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point: -13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f _L (MHz)	f _H (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1780MHz		Record only
50	-0.0001696	-0.0001327	1710.15	1779.63	1710.150170	1779.629867	Pass	-0.0986
40	0.0000186	-0.0001676			1710.149981	1779.629832	Pass	-0.0947
30	-0.0001259	-0.0000063			1710.150126	1779.629994	Pass	-0.0732
20	0.0001518	-0.0001037			1710.149848	1779.629896	Pass	0.0883
10	0.0001173	-0.0001726			1710.149883	1779.629827	Pass	-0.0975
0	-0.0000433	-0.0001157			1710.150043	1779.629884	Pass	-0.0654
-10	0.0000386	-0.0001966			1710.149961	1779.629803	Pass	-0.1111
-20	0.0001243	0.0001513			1710.149876	1779.630151	Pass	0.0855
-30	-0.0000681	0.0000007			1710.150068	1779.630001	Pass	-0.0396
Maximum voltage	0.00008	-0.0001966			1710.149920	1779.629803	Pass	-0.1111
Minimum voltage	-0.0000529	0.0000828			1710.150053	1779.630083	Pass	0.0468
Nominal voltage	0.0001848	0.0000967			1710.149815	1779.630097	Pass	0.1074

Note: Nominal voltage= 3.8V, Maximum voltage= 4.5V, Minimum voltage= 3.4V.

End of Test Report