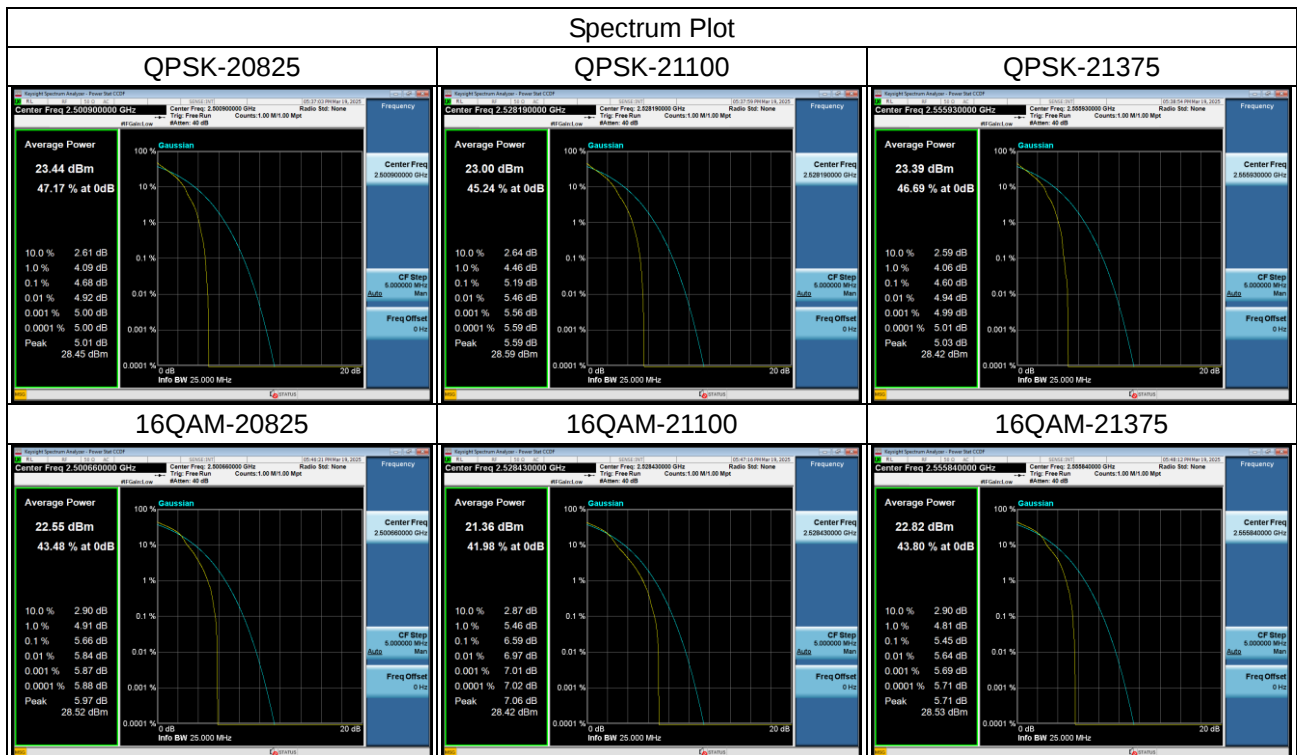
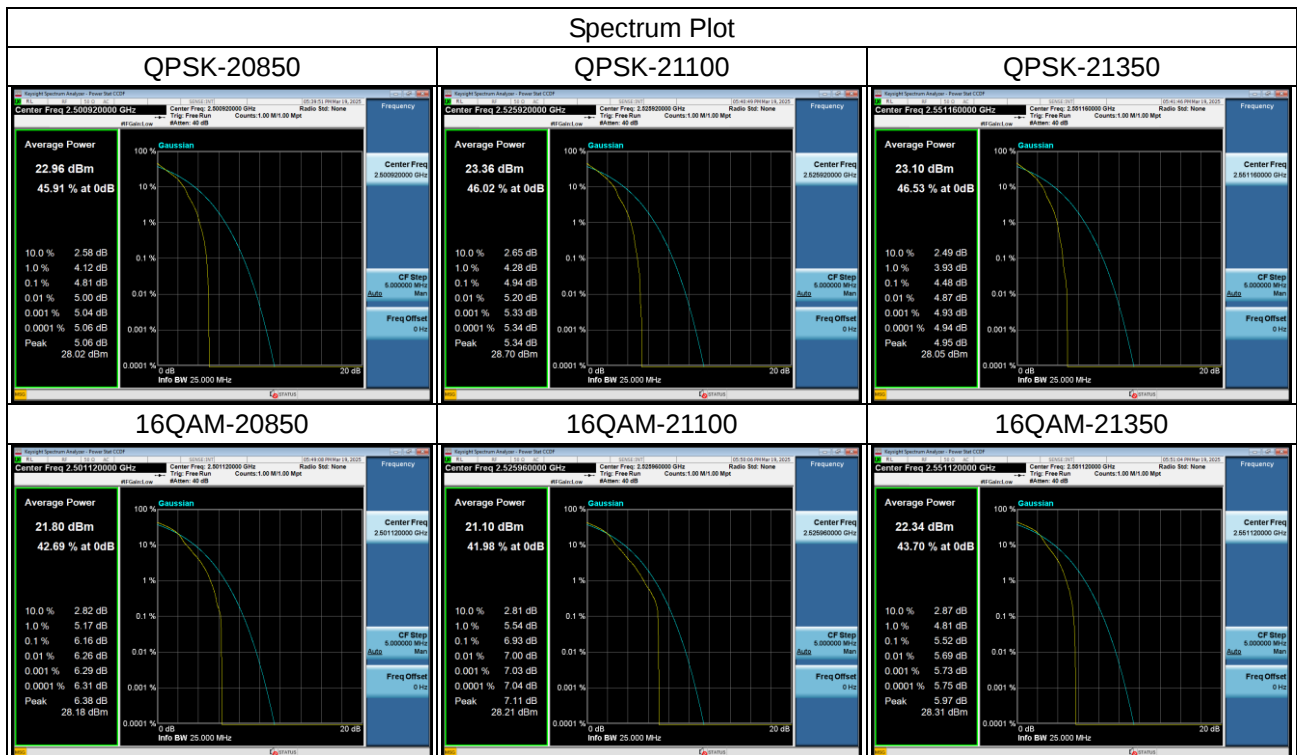


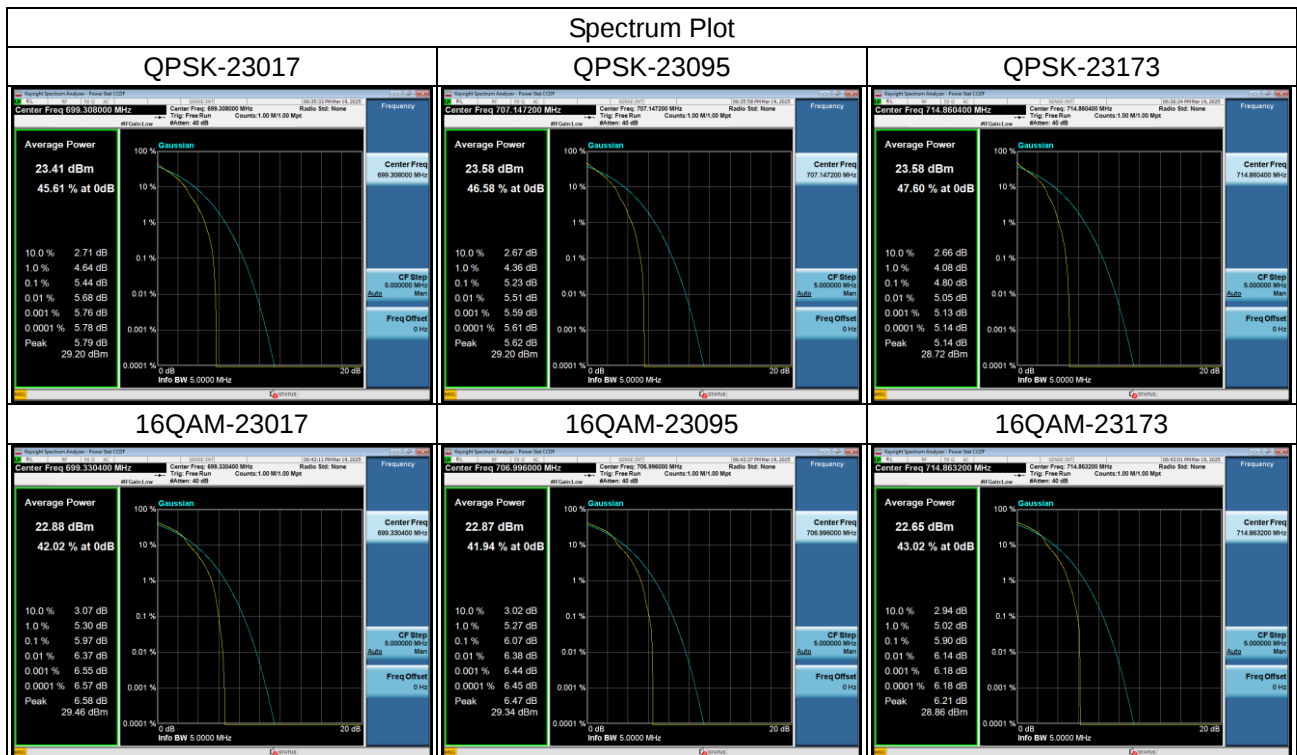
LTE Band 7_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20825	2507.5	4.68	5.66	13	Pass
21100	2535	5.19	6.59	13	Pass
21375	2562.5	4.60	5.45	13	Pass



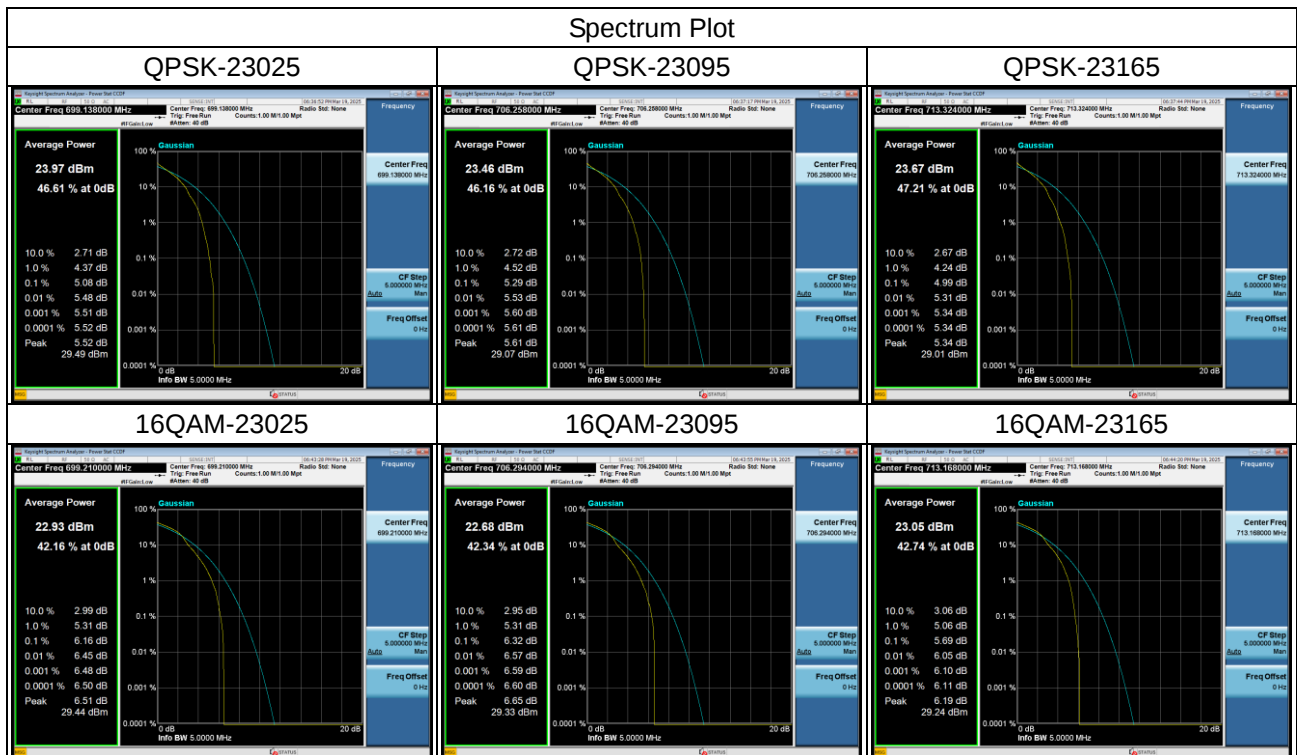
LTE Band 7_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
20850	2510	4.81	6.16	13	Pass
21100	2535	4.94	6.93	13	Pass
21350	2560	4.48	5.52	13	Pass



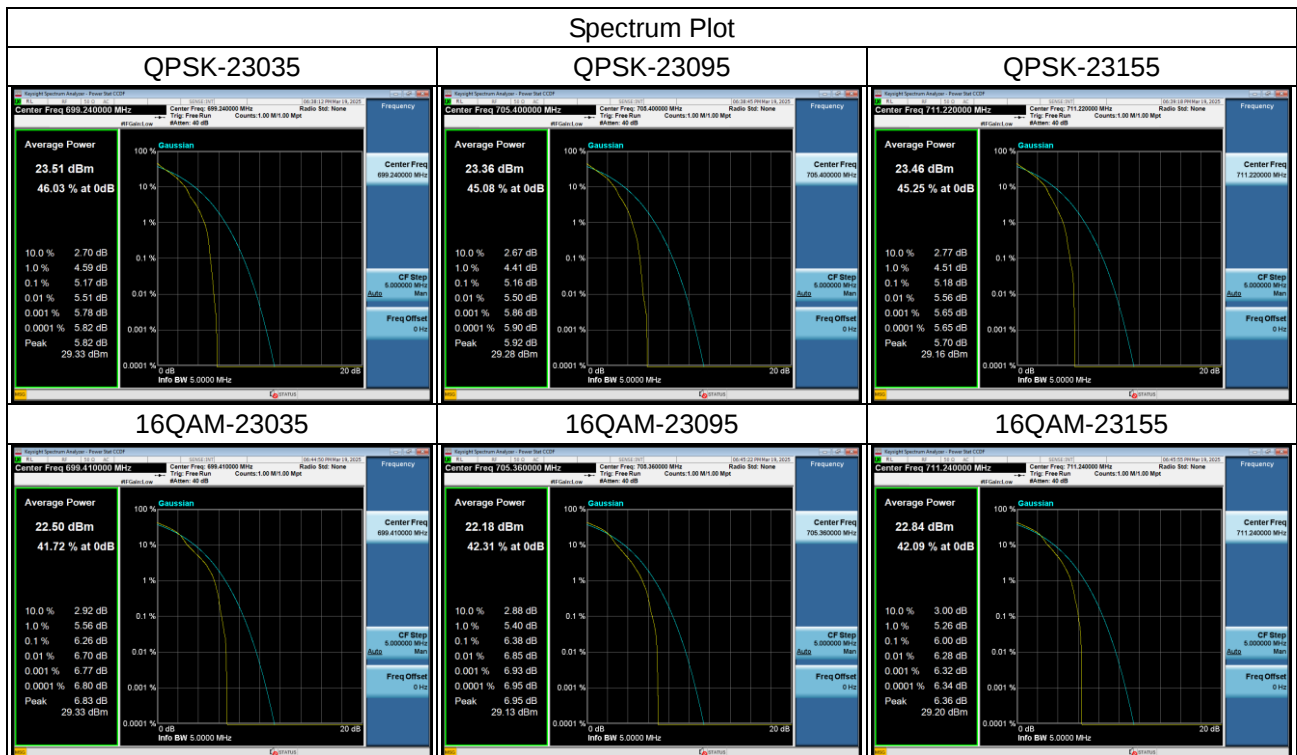
LTE Band 12_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23017	699.7	5.44	5.97	13	Pass
23095	707.5	5.23	6.07	13	Pass
23173	715.3	4.80	5.90	13	Pass



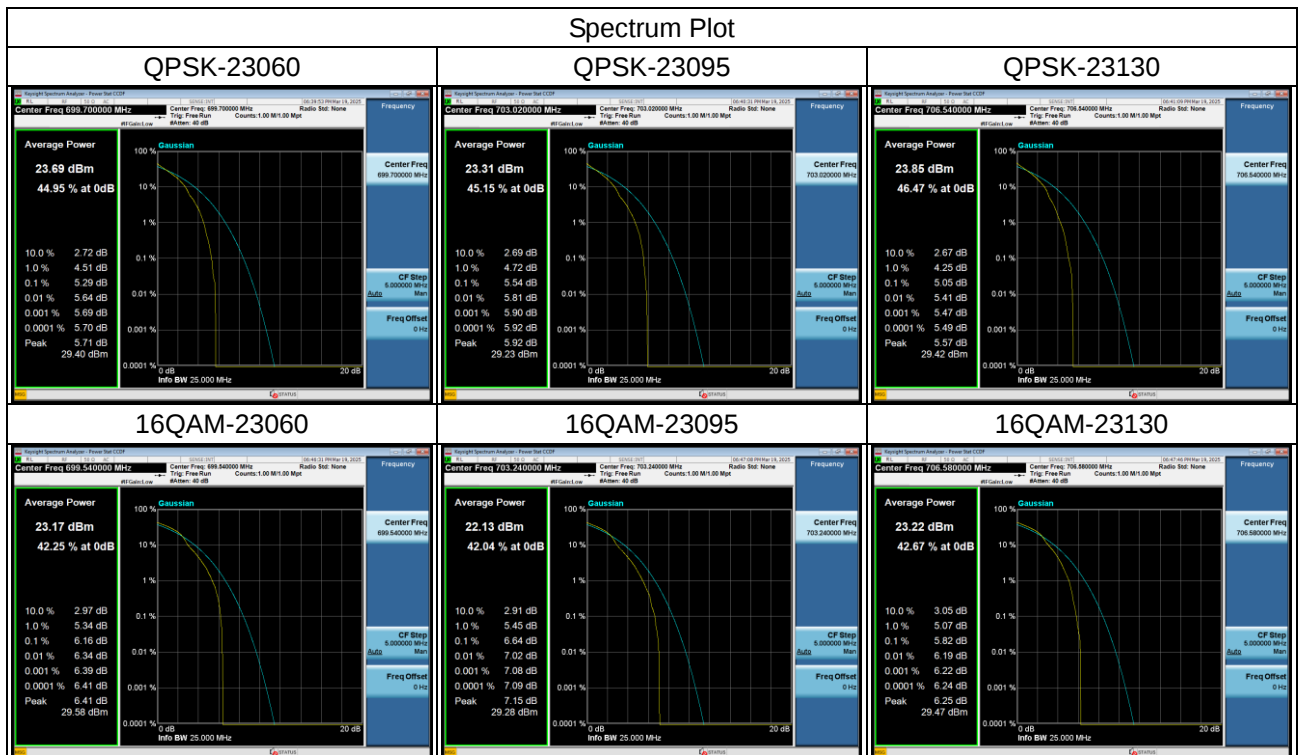
LTE Band 12_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23025	700.5	5.08	6.16	13	Pass
23095	707.5	5.29	6.32	13	Pass
23165	714.5	4.99	5.69	13	Pass



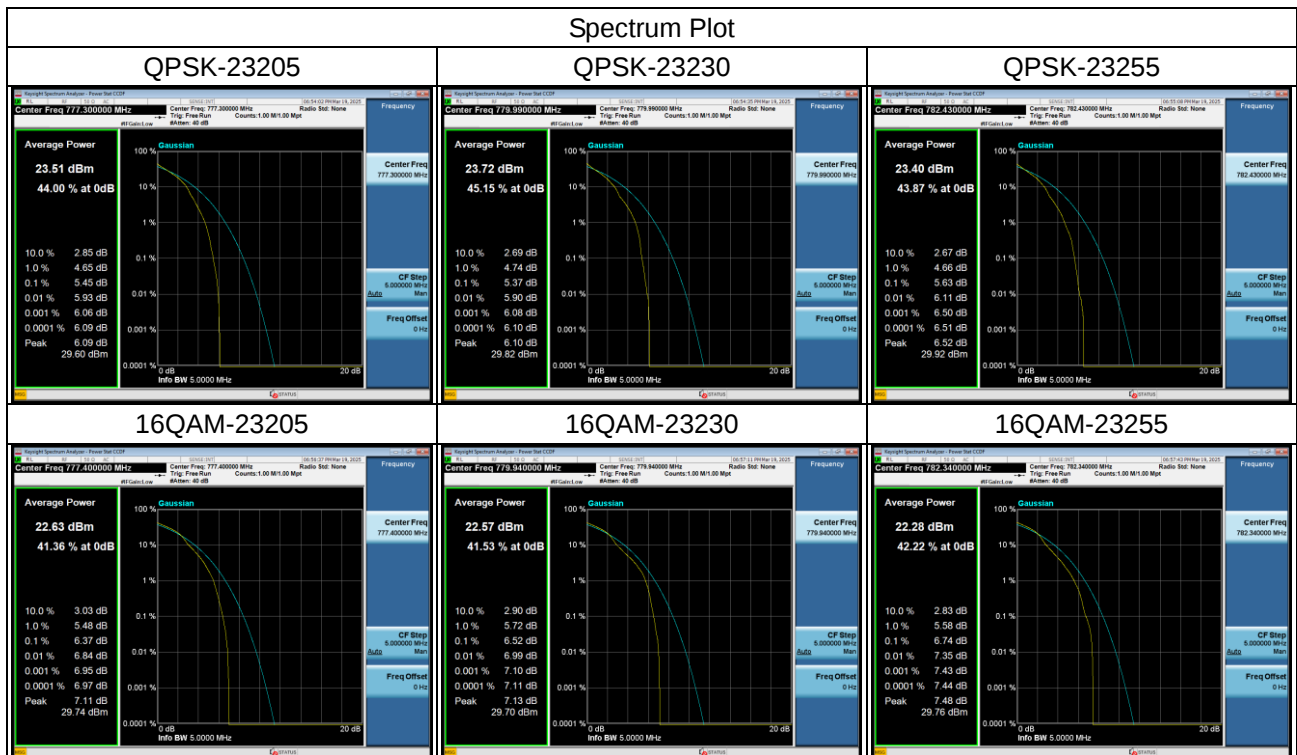
LTE Band 12_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23025	700.5	5.17	6.26	13	Pass
23095	707.5	5.16	6.38	13	Pass
23155	714.5	5.18	6.00	13	Pass



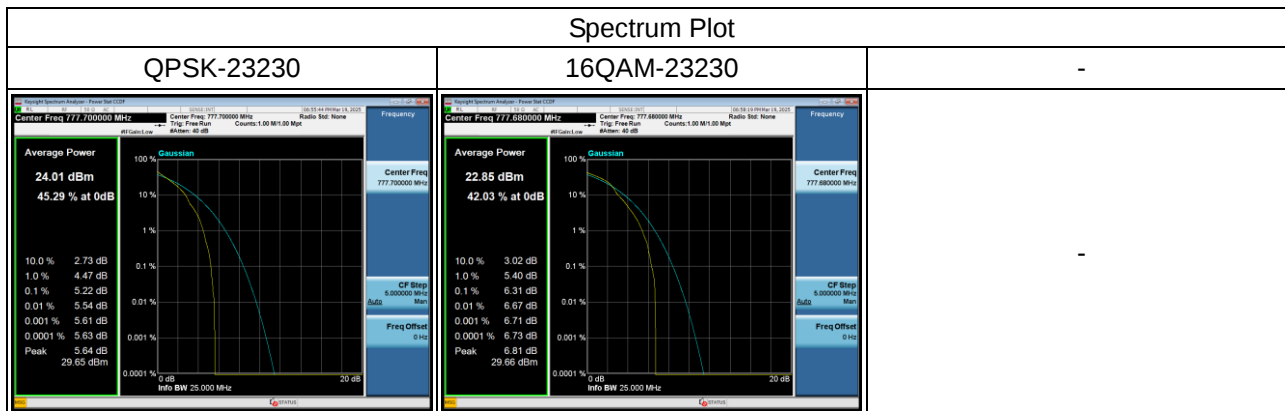
LTE Band 12_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23060	704.0	5.29	6.16	13	Pass
23095	707.5	5.54	6.64	13	Pass
23130	711.0	5.05	5.82	13	Pass



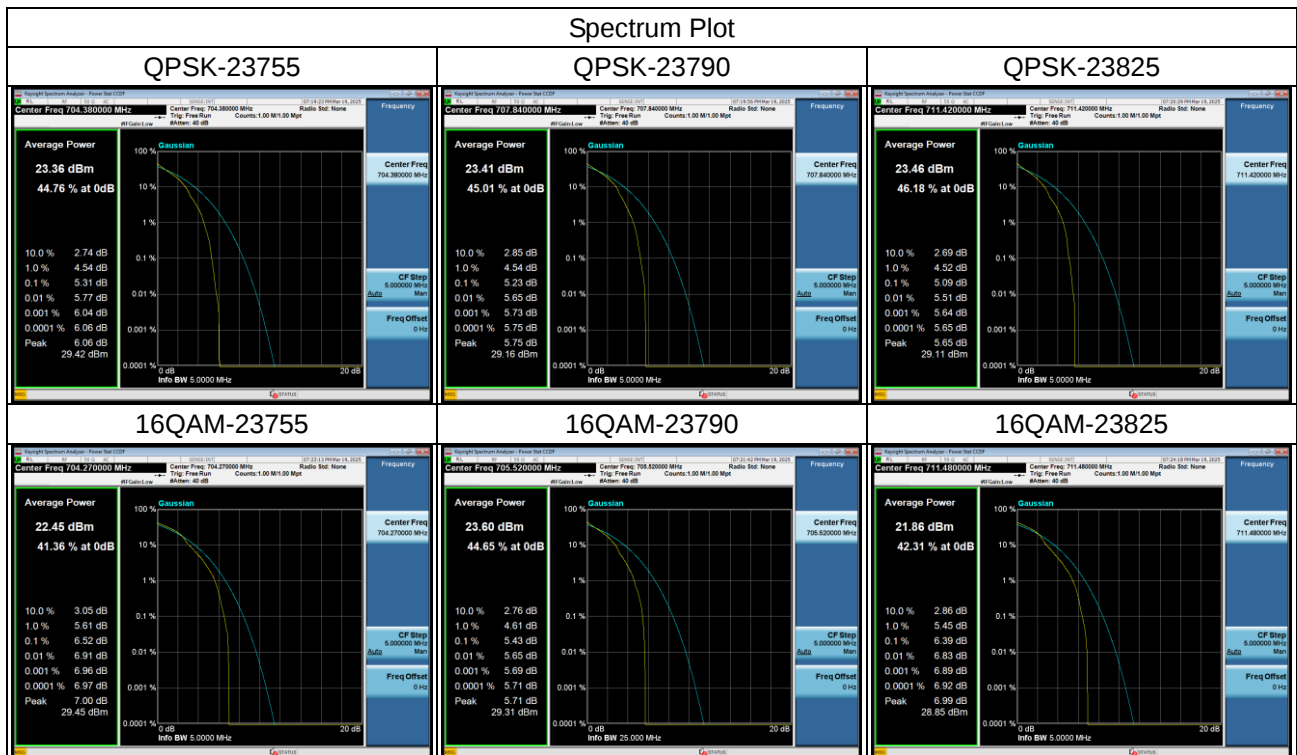
LTE Band 13_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23205	779.5	5.45	6.37	13	Pass
23230	782.0	5.37	6.52	13	Pass
23255	784.5	5.63	6.74	13	Pass



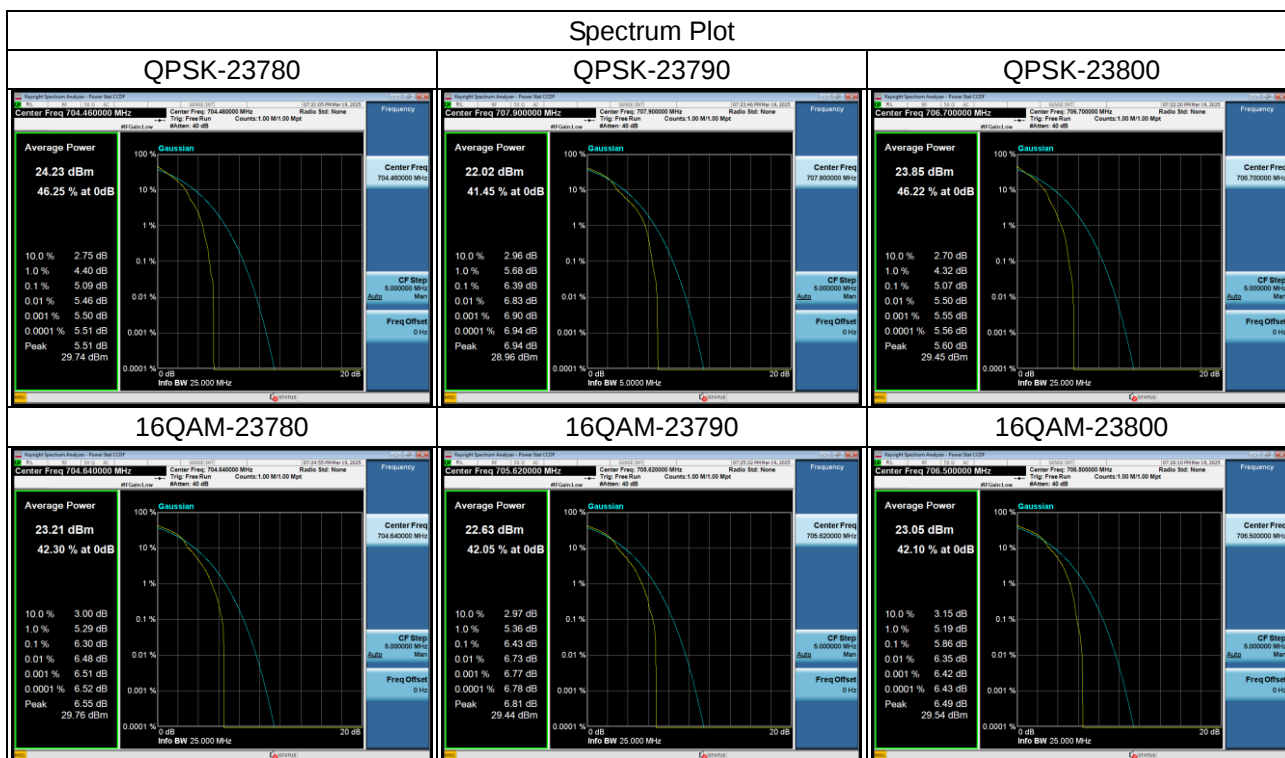
LTE Band 13_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23230	782.0	5.22	6.31	13	Pass



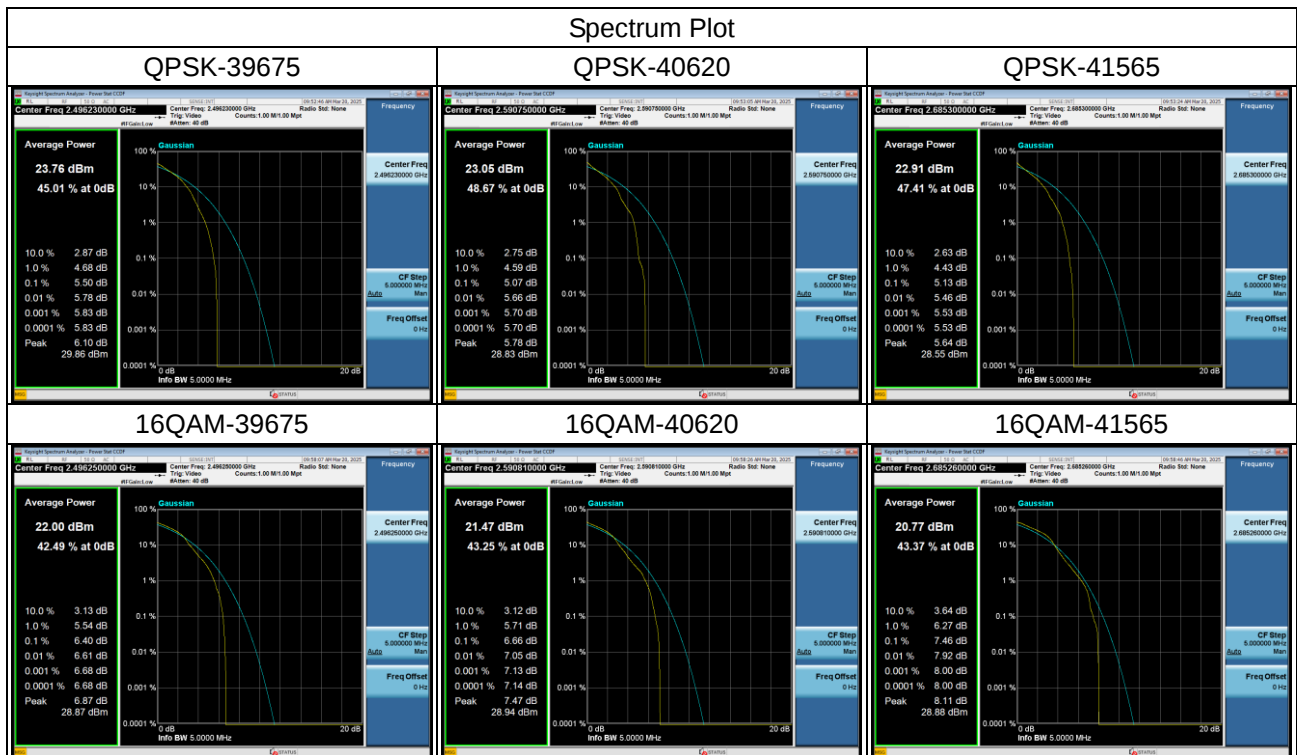
LTE Band 17_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23755	706.5	5.31	6.52	13	Pass
23790	710	5.23	5.43	13	Pass
23825	713.5	5.09	6.39	13	Pass



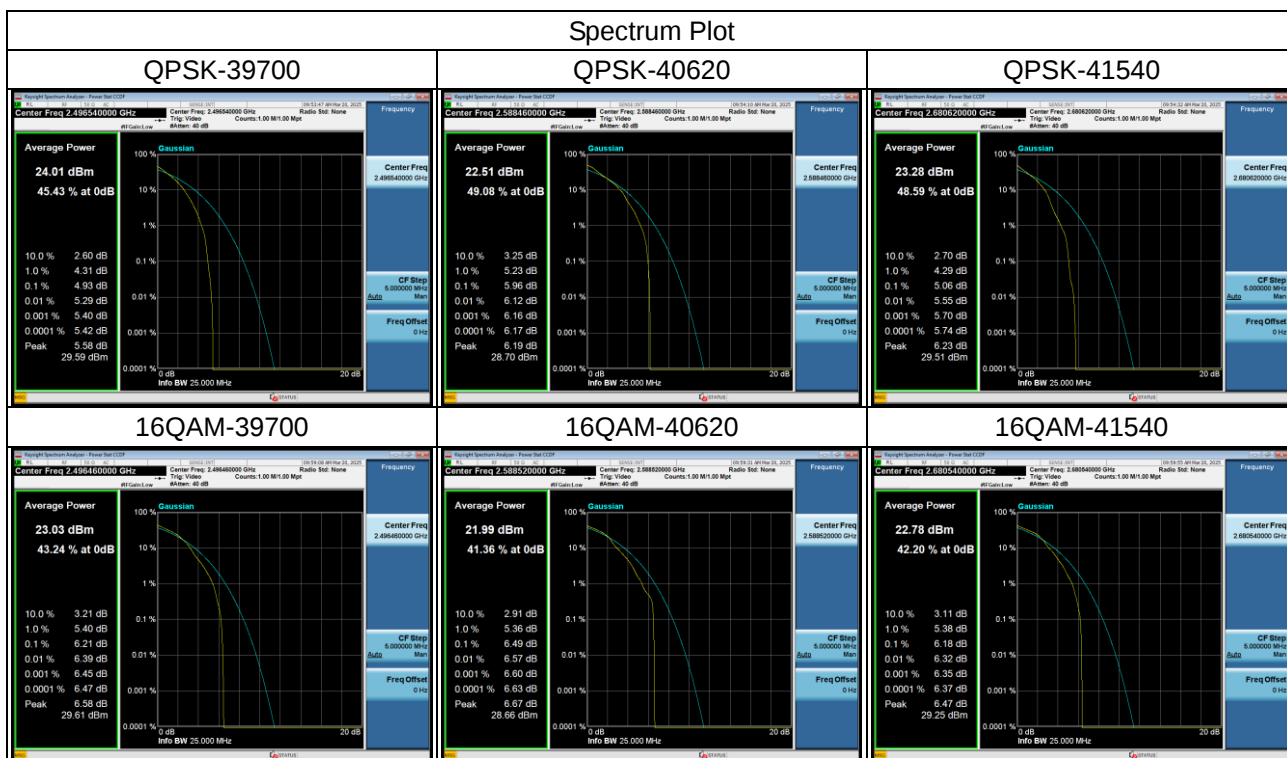
LTE Band 17_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
23780	709	5.09	6.30	13	Pass
23790	710	6.39	6.43	13	Pass
23800	711	5.07	5.86	13	Pass



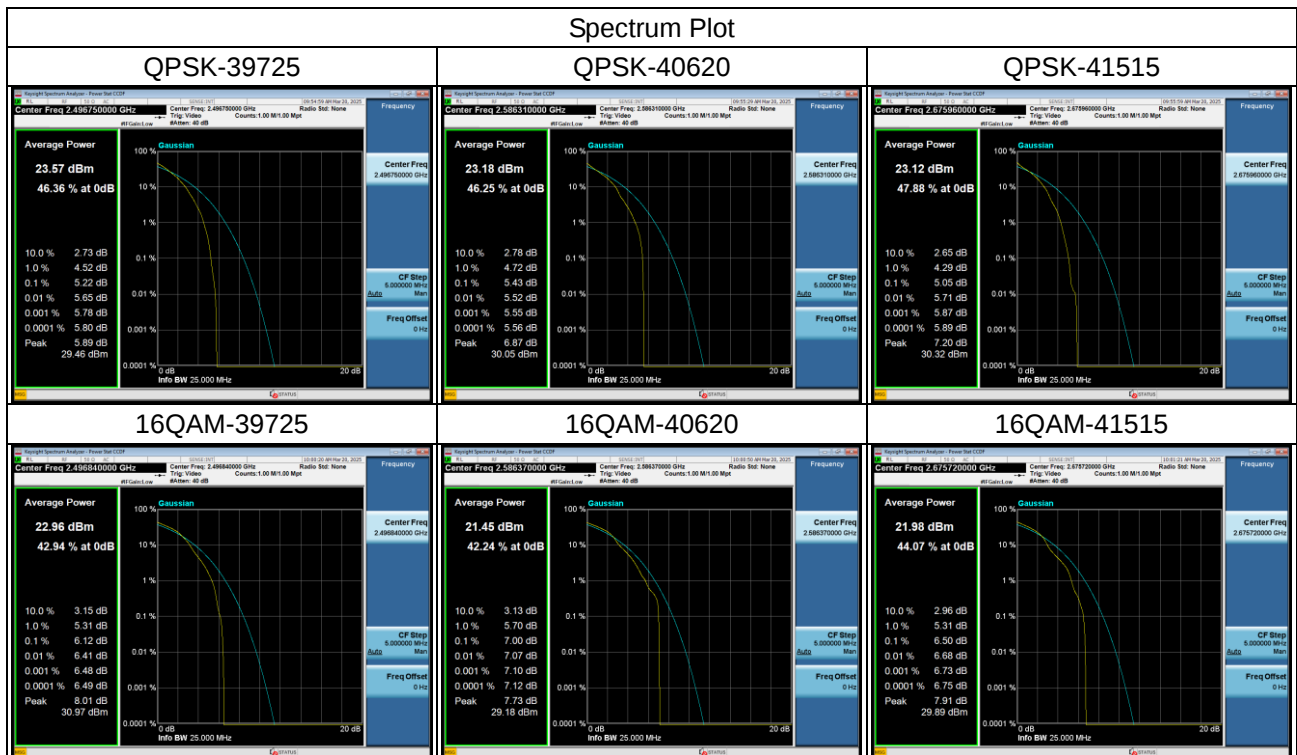
LTE Band 41_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39675	2498.5	5.50	6.40	13	Pass
40620	2593	5.07	6.66	13	Pass
41565	2687.5	5.13	7.46	13	Pass



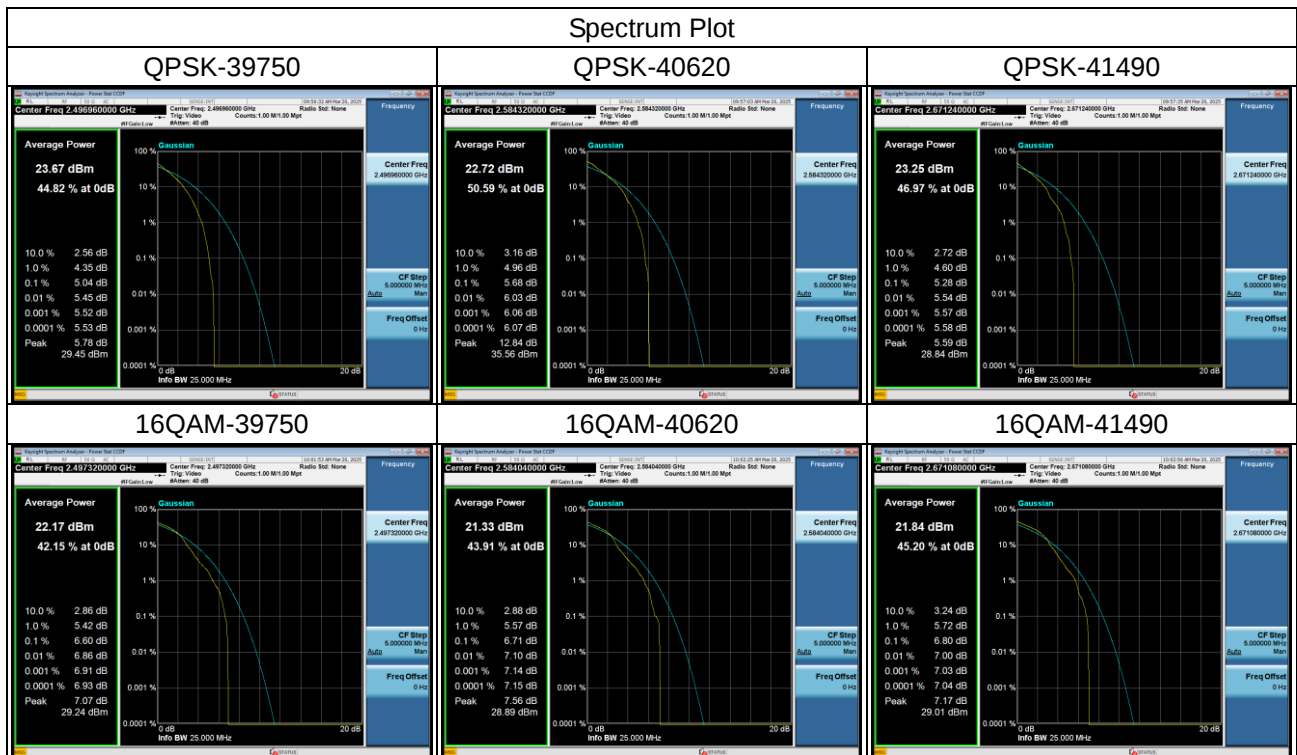
LTE Band 41_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39700	2501.0	4.93	6.21	13	Pass
40620	2593	5.96	6.49	13	Pass
41540	2685.0	5.06	6.18	13	Pass



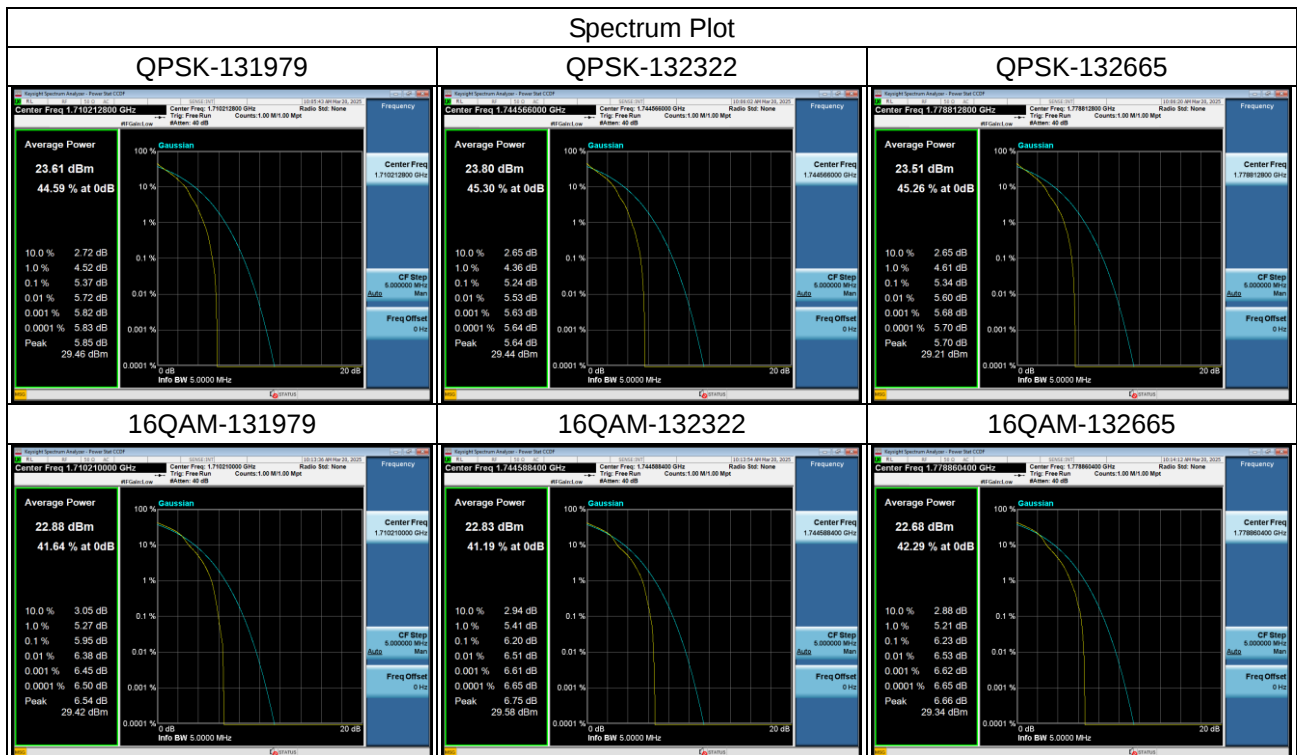
LTE Band 41_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39725	2503.5	5.22	6.12	13	Pass
40620	2593	5.43	7.00	13	Pass
41515	2682.5	5.05	6.50	13	Pass



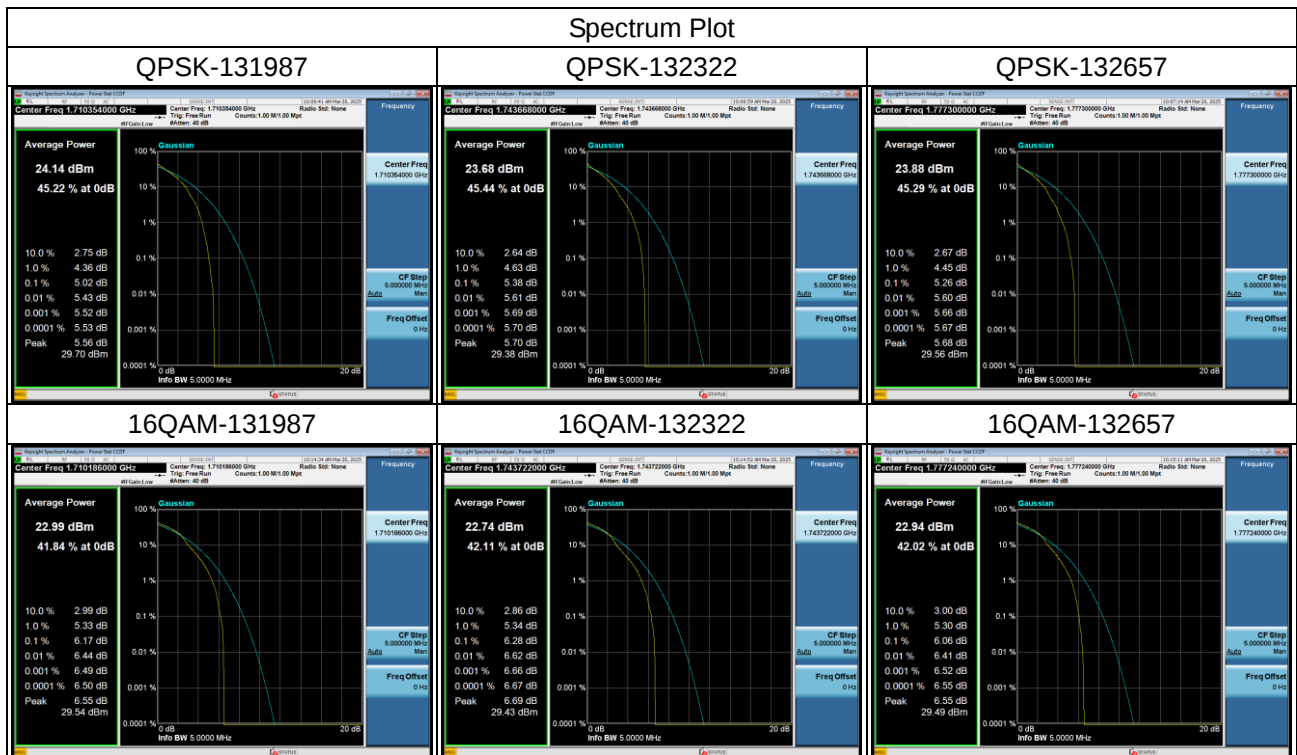
LTE Band 41_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
39750	2506.0	5.04	6.60	13	Pass
40620	2593	5.68	6.71	13	Pass
41490	2680.0	5.28	6.80	13	Pass



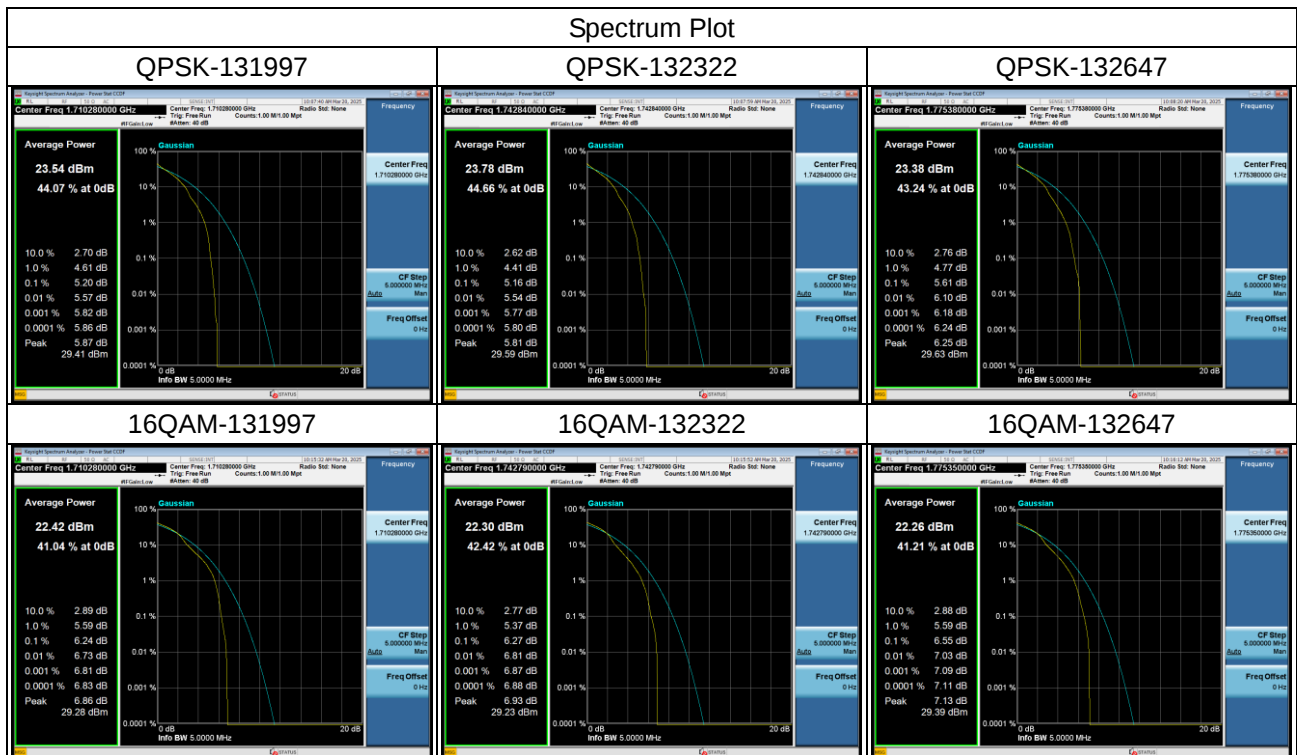
LTE Band 66_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131979	1710.7	5.37	5.95	13	Pass
132322	1745	5.24	6.20	13	Pass
132665	1779.3	5.34	6.23	13	Pass



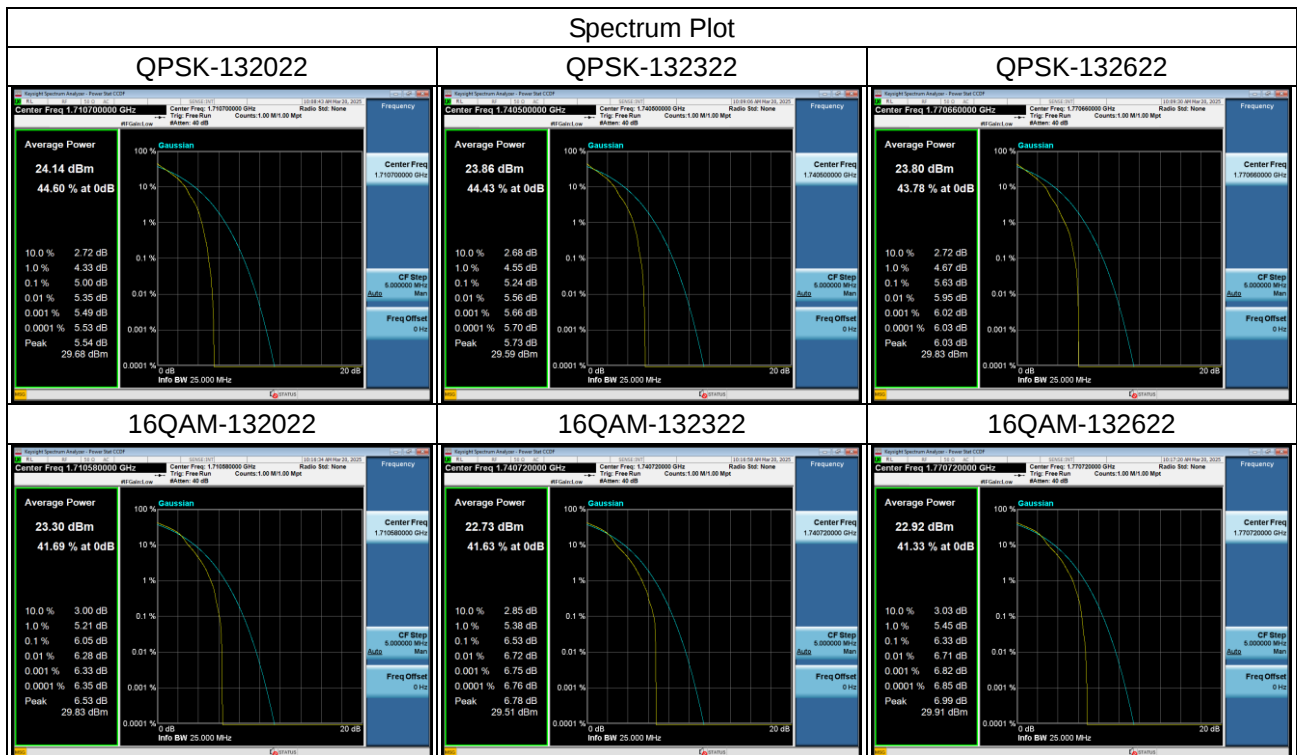
LTE Band 66_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131987	1711.5	5.02	6.17	13	Pass
132322	1745	5.38	6.28	13	Pass
132657	1778.5	5.26	6.06	13	Pass



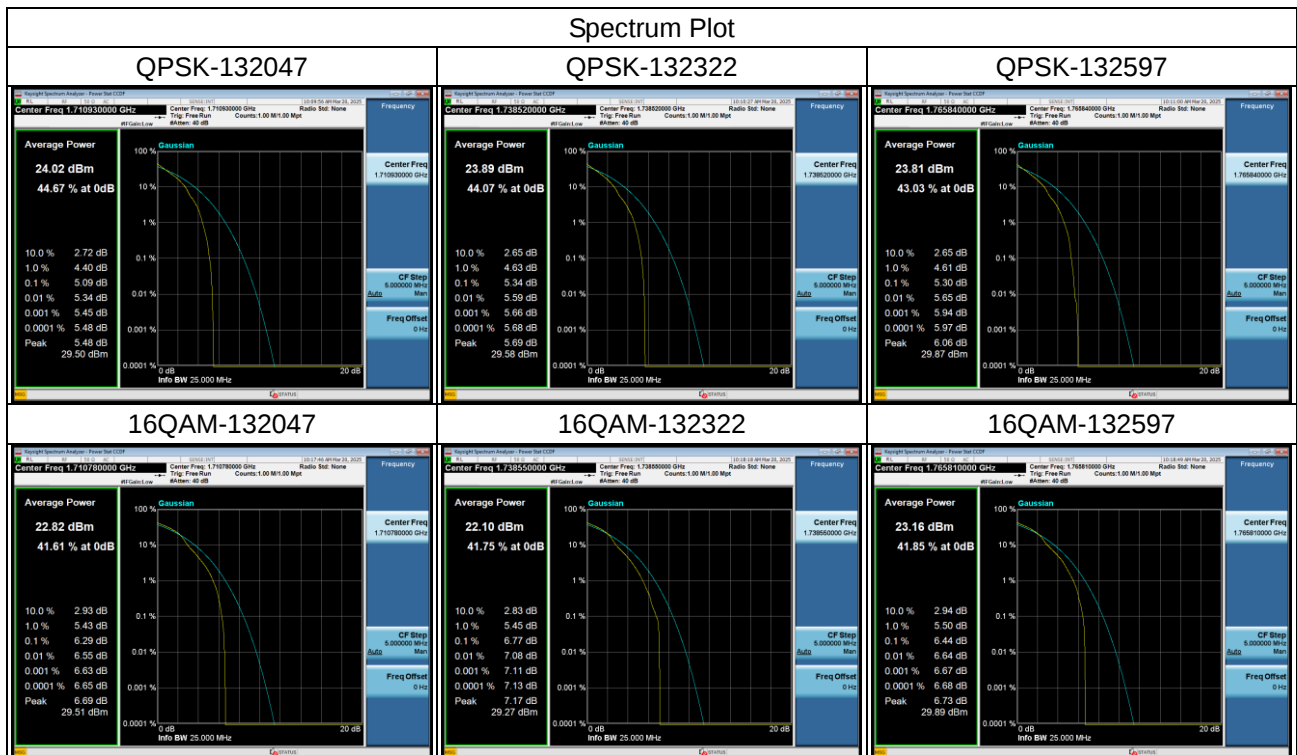
LTE Band 66_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
131997	1712.5	5.20	6.24	13	Pass
132322	1745	5.16	6.27	13	Pass
132647	1777.5	5.61	6.55	13	Pass



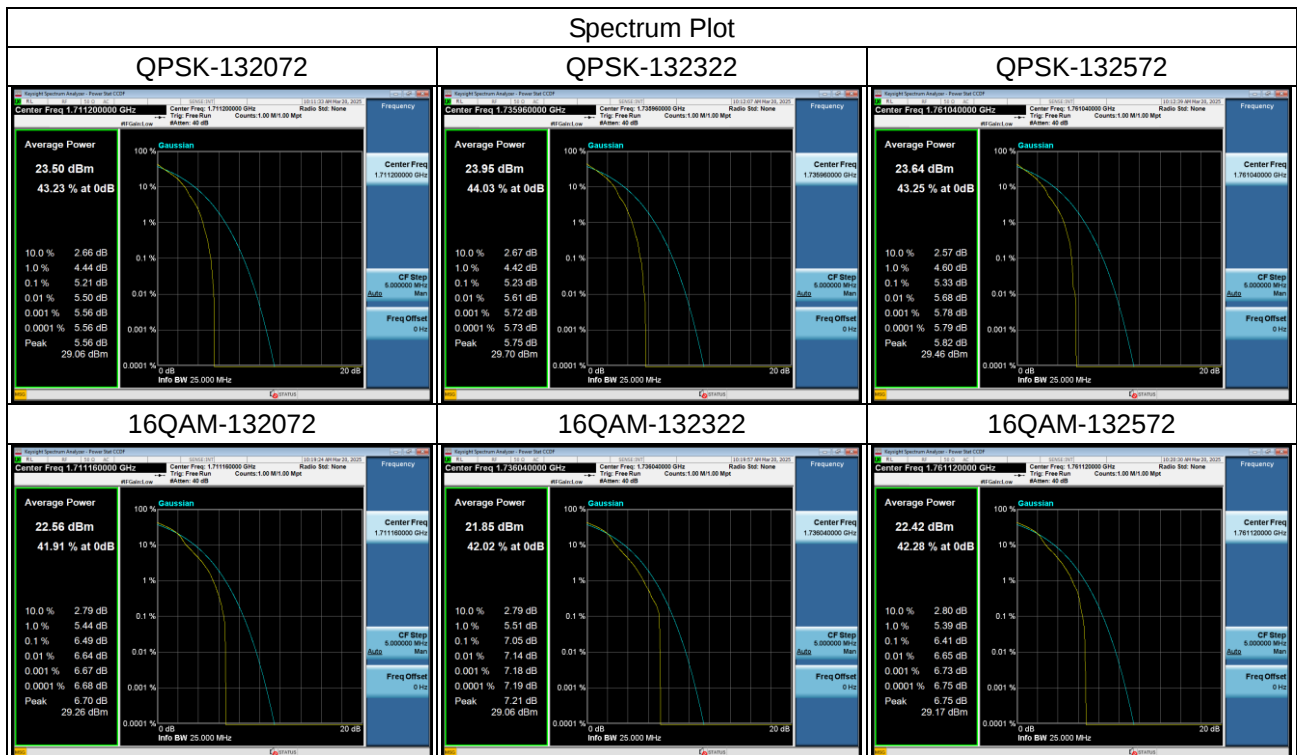
LTE Band 66_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132022	1715	5.00	6.05	13	Pass
132322	1745	5.24	6.53	13	Pass
132622	1775	5.63	6.33	13	Pass



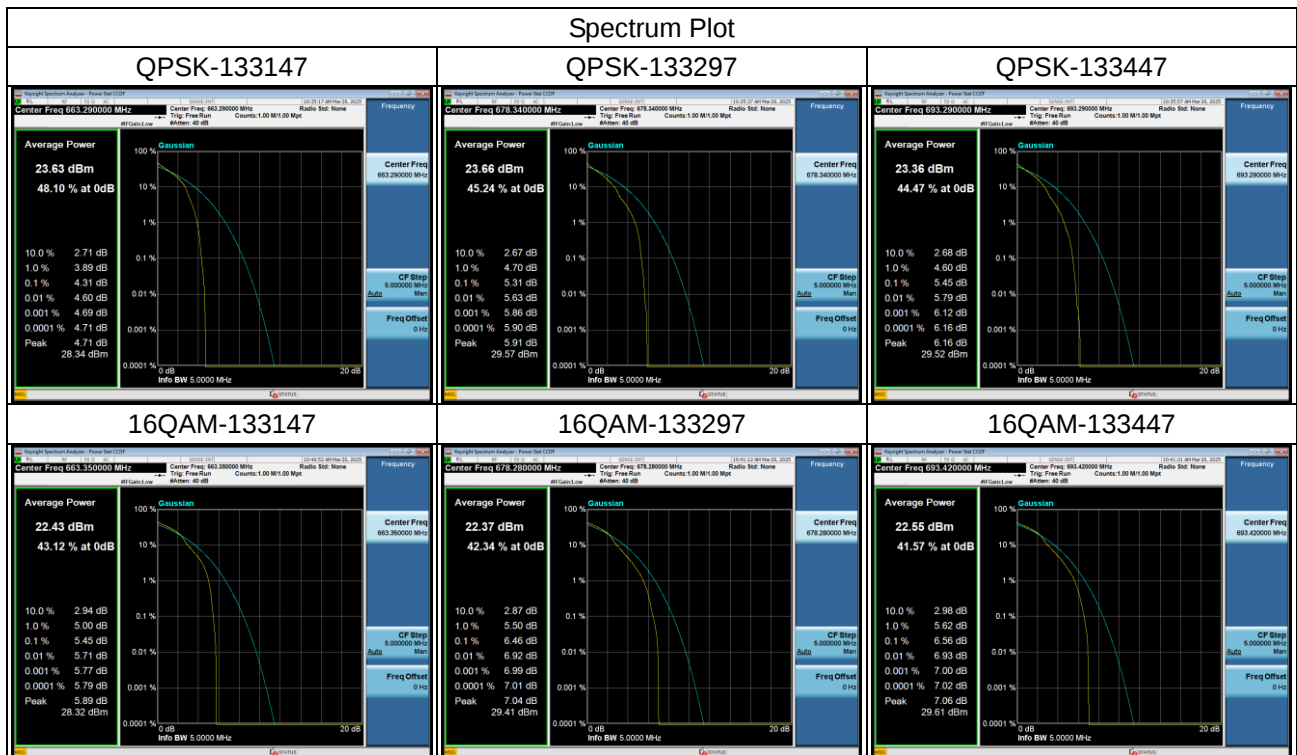
LTE Band 66_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132047	1717.5	5.09	6.29	13	Pass
132322	1745	5.34	6.77	13	Pass
132597	1772.5	5.30	6.44	13	Pass



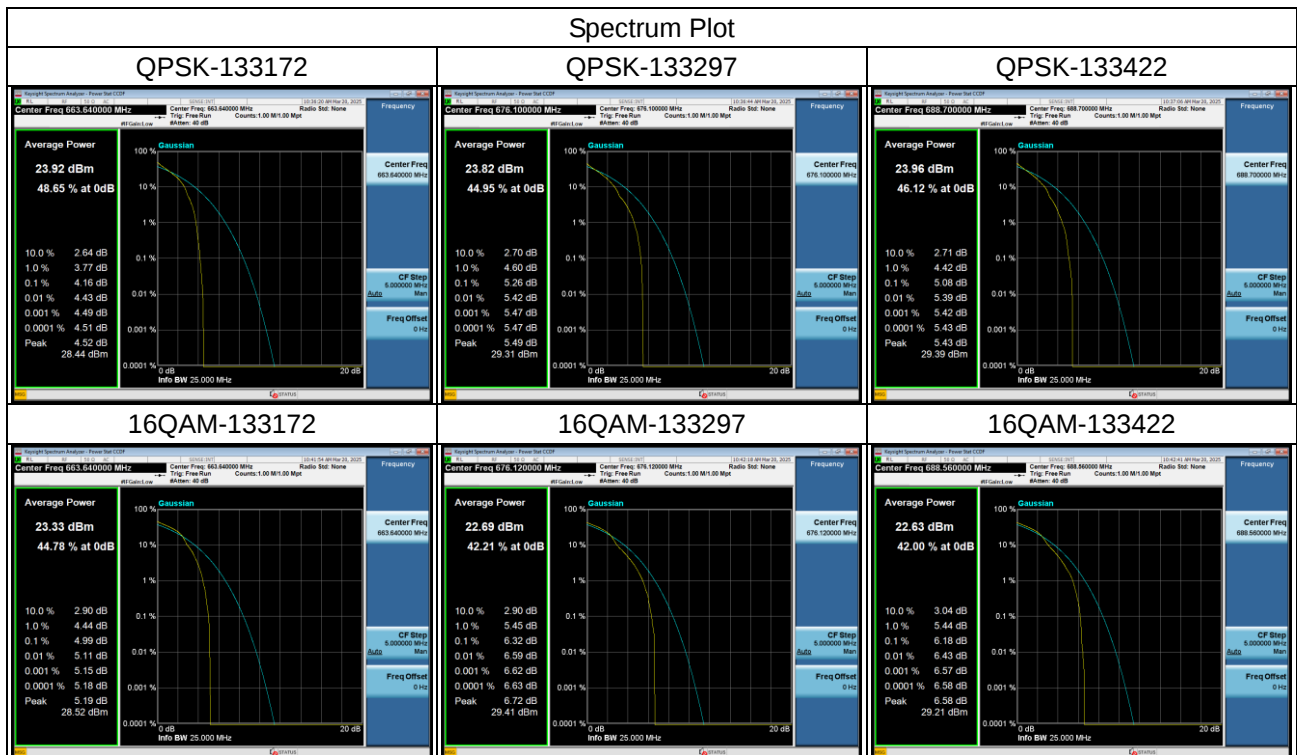
LTE Band 66_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
132072	1720	5.21	6.49	13	Pass
132322	1745	5.23	7.05	13	Pass
132572	1770	5.33	6.41	13	Pass



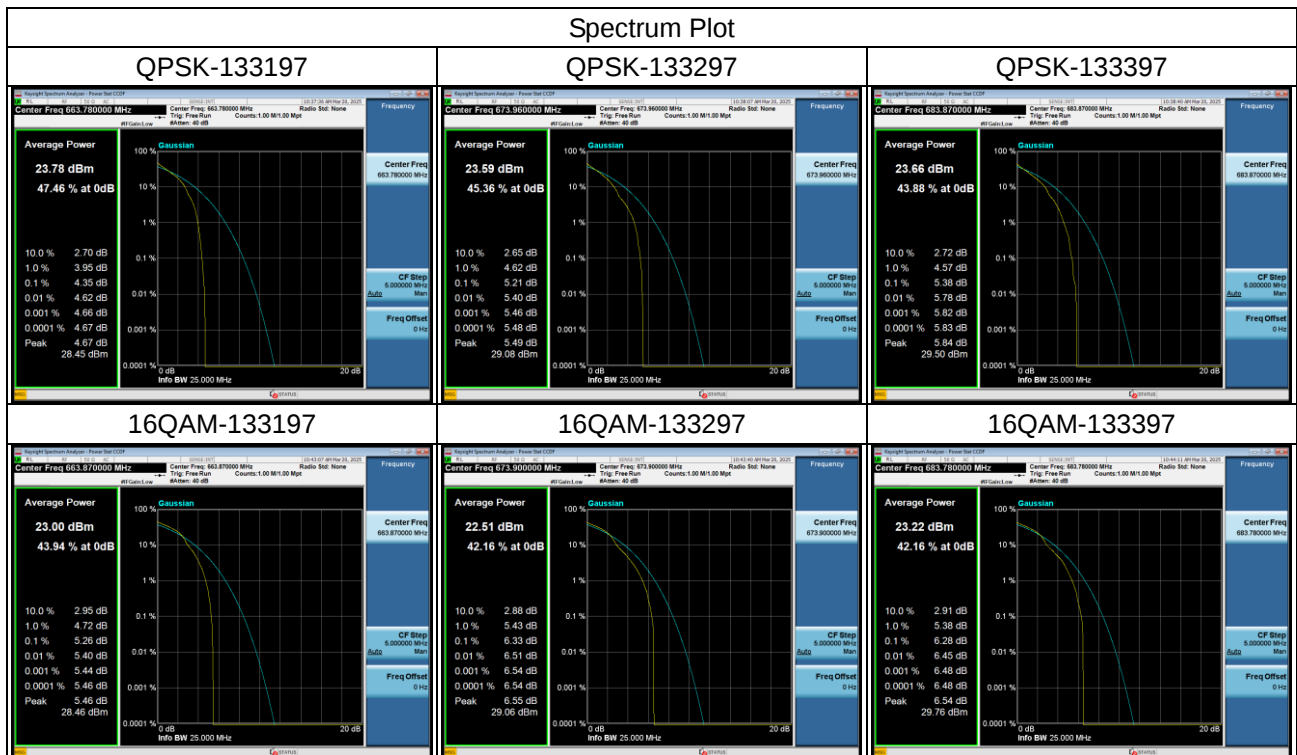
LTE Band 71_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133147	665.5	4.31	5.45	13	Pass
133297	680.5	5.31	6.46	13	Pass
133447	695.5	5.45	6.56	13	Pass



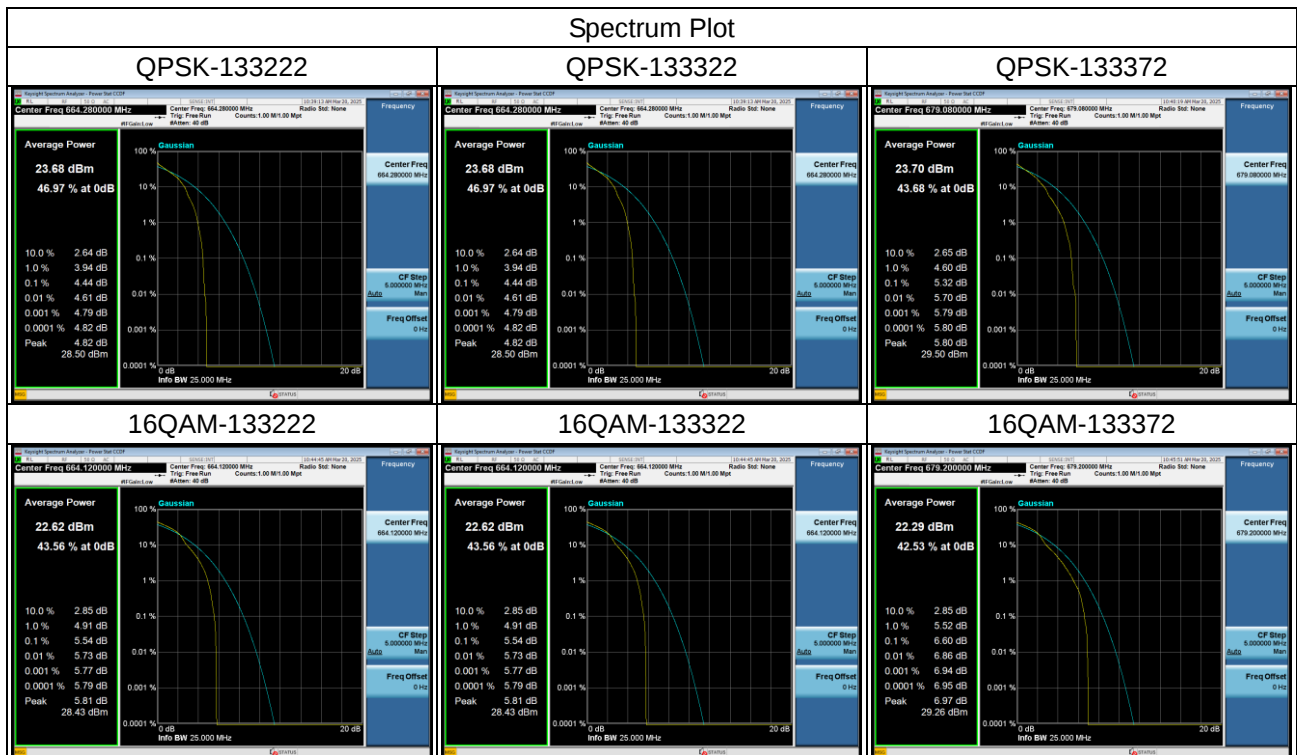
LTE Band 71_10MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133172	668	4.16	4.99	13	Pass
133297	680.5	5.26	6.32	13	Pass
133422	693	5.08	6.18	13	Pass



LTE Band 71_15MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133197	670.5	4.35	5.26	13	Pass
133297	680.5	5.21	6.33	13	Pass
133397	690.5	5.38	6.28	13	Pass



LTE Band 71_20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
133222	673	4.44	5.54	13	Pass
133322	683	4.44	5.54	13	Pass
133372	688	5.32	6.60	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	0.00001938	0.00001728	1710.650000	1754.340000	1710.649981	1754.340017	Pass	0.0113
40	0.0000217	0.00001883			1710.649978	1754.340019	Pass	0.0126
30	0.00002215	0.00001923			1710.649978	1754.340019	Pass	0.0129
20	0.00001854	0.00002166			1710.649981	1754.340022	Pass	0.0124
10	0.00001795	0.00001777			1710.649982	1754.340018	Pass	0.0104
0	0.00001978	0.00002133			1710.649980	1754.340021	Pass	0.0122
-10	0.00002146	0.00001799			1710.649979	1754.340018	Pass	0.0125
-20	0.00001806	0.00002251			1710.649982	1754.340023	Pass	0.0129
-30	0.00001872	0.00002129			1710.649981	1754.340021	Pass	0.0122
Minimum voltage	0.0000162	0.00001949			1710.649984	1754.340019	Pass	0.0112
Maximum voltage	0.00001929	0.00002165			1710.649981	1754.340022	Pass	0.0124
Nominal voltage	0.00002271	0.00002292			1710.649977	1754.340023	Pass	0.0132

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

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	0.00002073	0.00000733	2500.45	2569.39	2500.449979	2569.390007	Pass	0.0083
40	0.00001918	0.0000169			2500.449981	2569.390017	Pass	0.0076
30	0.0000085	-0.00001281			2500.449992	2569.389987	Pass	-0.0050
20	0.00000373	0.00001299			2500.449996	2569.390013	Pass	0.0051
10	0.00000424	0.00001239			2500.449996	2569.390012	Pass	0.0048
0	0.00000373	0.0000156			2500.449996	2569.390016	Pass	0.0061
-10	-0.00000621	0.00000386			2500.450006	2569.390004	Pass	-0.0025
-20	0.00000123	0.00000101			2500.449999	2569.390001	Pass	0.0005
-30	0.0000055	0.00001484			2500.449995	2569.390015	Pass	0.0058
Minimum voltage	0.00000712	0.00000324			2500.449993	2569.390003	Pass	0.0028
Maximum voltage	0.00000726	-0.00000713			2500.449993	2569.389993	Pass	0.0029
Nominal voltage	0.00000546	0.00000843			2500.449995	2569.390008	Pass	0.0033

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

Test Mode	LTE Band 12 _10MHz
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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:699MHz	Highest channel limit:716MHz		Record only
50	0.00001824	-0.00001514	699.540000	715.730000	699.539982	715.729985	Pass	0.0259
40	0.00001861	-0.0000132			699.539981	715.729987	Pass	0.0264
30	0.00001654	-0.0000184			699.539983	715.729982	Pass	-0.0259
20	-0.00001639	-0.00001544			699.540016	715.729985	Pass	-0.0233
10	0.00002094	-0.00001336			699.539979	715.729987	Pass	0.0297
0	-0.00002108	-0.00001399			699.540021	715.729986	Pass	-0.0299
-10	0.00001614	-0.00001705			699.539984	715.729983	Pass	-0.0240
-20	0.00002174	0.00001941			699.539978	715.730019	Pass	0.0309
-30	0.00001323	-0.0000232			699.539987	715.729977	Pass	-0.0326
Minimum voltage	-0.0000147	-0.0000174			699.540015	715.729983	Pass	-0.0245
Maximum voltage	0.00001311	0.00001833			699.539987	715.730018	Pass	0.0258
Nominal voltage	-0.00001483	-0.00002413			699.540015	715.729976	Pass	-0.0339

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

Test Mode	LTE Band 13_10MHz
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Temperature (°C)	Mid 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:2305MHz	Highest channel limit:2315MHz		Record only
50	-0.00002332	777.820000	786.210000	777.820023	786.209977	Pass	-0.0298
40	-0.00002127			777.820021	786.209979	Pass	-0.0272
30	-0.00001746			777.820017	786.209983	Pass	-0.0223
20	-0.00001643			777.820016	786.209984	Pass	-0.0210
10	-0.0000225			777.820023	786.209978	Pass	-0.0288
0	0.000002159			777.819998	786.210002	Pass	0.0028
-10	0.0000224			777.819978	786.210022	Pass	0.0286
-20	-0.00001473			777.820015	786.209985	Pass	-0.0188
-30	-0.00002209			777.820022	786.209978	Pass	-0.0282
Minimum voltage	-0.00001613			777.820016	786.209984	Pass	-0.0206
Maximum voltage	-0.0000038			777.820004	786.209996	Pass	-0.0049
Nominal voltage	0.000018			777.819982	786.210018	Pass	0.0230

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

Test Mode	LTE Band 17_10MHz
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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:704MHz	Highest channel limit:716MHz		Record only
50	-0.00001284	0.00000236	704.690000	715.170000	704.690013	715.170002	Pass	-0.0181
40	-0.0000136	0.0000018			704.690014	715.170002	Pass	-0.0192
30	0.00001109	0.00000468			704.689989	715.170005	Pass	0.0156
20	-0.00001175	0.00000254			704.690012	715.170003	Pass	-0.0166
10	-0.00002345	-0.00001659			704.690023	715.169983	Pass	-0.0331
0	-0.00000344	0.00001981			704.690003	715.170020	Pass	0.0279
-10	-0.00001352	-0.00002549			704.690014	715.169975	Pass	-0.0359
-20	0.00000579	-0.00000254			704.689994	715.169997	Pass	0.0082
-30	-0.00000225	0.00000083			704.690002	715.170001	Pass	-0.0032
Minimum voltage	-0.00000873	0.00000237			704.690009	715.170002	Pass	-0.0123
Maximum voltage	0.00000824	-0.00000274			704.689992	715.169997	Pass	0.0116
Nominal voltage	-0.00000172	-0.00000934			704.690002	715.169991	Pass	-0.0131

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

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	-0.00004522	0.00002124	2496.350000	2689.410000	2496.350045	2689.410021	Pass	-0.0180
40	-0.00004231	0.00001834			2496.350042	2689.410018	Pass	-0.0169
30	0.00002354	0.00002354			2496.349976	2689.410024	Pass	0.0094
20	0.00001772	0.00002266			2496.349982	2689.410023	Pass	0.0085
10	0.0000154	0.00003423			2496.349985	2689.410034	Pass	0.0128
0	0.00001735	0.00002247			2496.349983	2689.410022	Pass	0.0084
-10	0.00001654	0.00002337			2496.349983	2689.410023	Pass	0.0087
-20	0.00001786	0.00002476			2496.349982	2689.410025	Pass	0.0092
-30	0.00001943	0.00004128			2496.349981	2689.410041	Pass	0.0154
Minimum voltage	0.00001354	0.00003373			2496.349986	2689.410034	Pass	0.0126
Maximum voltage	0.00001538	0.00001858			2496.349985	2689.410019	Pass	0.0069
Nominal voltage	0.00001647	0.00002537			2496.349984	2689.410025	Pass	0.0095

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

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	0.00000827	0.00000961	1710.250000	1779.540000	1710.249992	1779.540010	Pass	0.0054
40	0.00000178	-0.00000932			1710.249998	1779.539991	Pass	-0.0053
30	0.00000352	0.00000459			1710.249996	1779.540005	Pass	0.0026
20	-0.00000825	0.00000767			1710.250008	1779.540008	Pass	-0.0048
10	0.00000163	-0.00000442			1710.249998	1779.539996	Pass	-0.0025
0	0.00000329	0.00000447			1710.249997	1779.540004	Pass	0.0025
-10	-0.00000345	-0.00000145			1710.250003	1779.539999	Pass	-0.0020
-20	-0.00000161	0.00000958			1710.250002	1779.540010	Pass	0.0054
-30	0.00000741	-0.00000071			1710.249993	1779.539999	Pass	0.0043
Minimum voltage	-0.00000837	-0.00000229			1710.250008	1779.539998	Pass	-0.0049
Maximum voltage	-0.00000145	0.00000743			1710.250001	1779.540007	Pass	0.0042
Nominal voltage	0.00000539	-0.00000042			1710.249995	1779.540000	Pass	0.0031

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

Test Mode	LTE Band 71_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:663MHz	Highest channel limit:698MHz		Record only
50	0.00000358	-0.00000146	663.860000	697.140000	663.859996	697.139999	Pass	0.0053
40	0.00000094	-0.00000182			663.859991	697.139998	Pass	0.0140
30	-0.00001235	-0.00000118			663.860012	697.139999	Pass	-0.0184
20	-0.00002595	0.00000087			663.860026	697.140009	Pass	-0.0386
10	-0.00000642	0.00000022			663.860006	697.140002	Pass	-0.0095
0	-0.00001635	0.000000431			663.860016	697.140004	Pass	-0.0243
-10	0.00001202	-0.00001139			663.859988	697.139989	Pass	0.0179
-20	-0.0000103	-0.00000841			663.860010	697.139992	Pass	-0.0153
-30	-0.00000118	0.0000135			663.860001	697.140014	Pass	0.0196
Minimum voltage	-0.00001339	-0.00000827			663.860013	697.139992	Pass	-0.0199
Maximum voltage	-0.00000652	-0.00000312			663.860007	697.139997	Pass	-0.0097
Nominal voltage	0.00000476	-0.00000614			663.859995	697.139994	Pass	-0.0089

Note: Nominal voltage= 3.8V, Maximum voltage= 4.4V, Minimum voltage= 3.55V.

End of Test Report