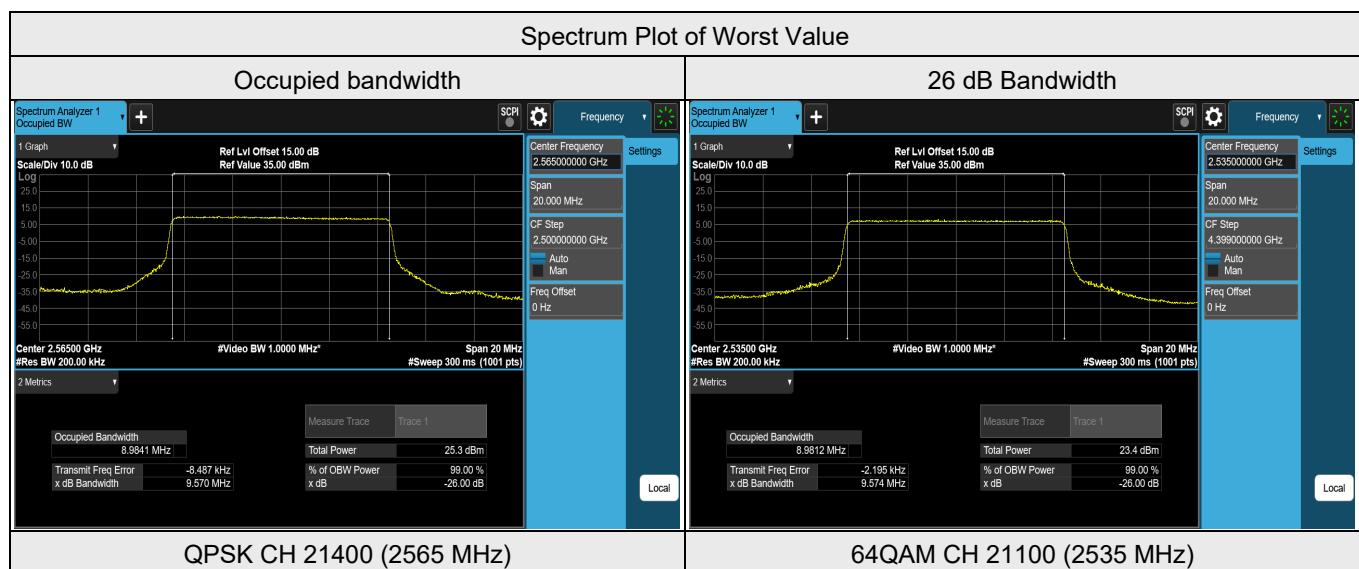


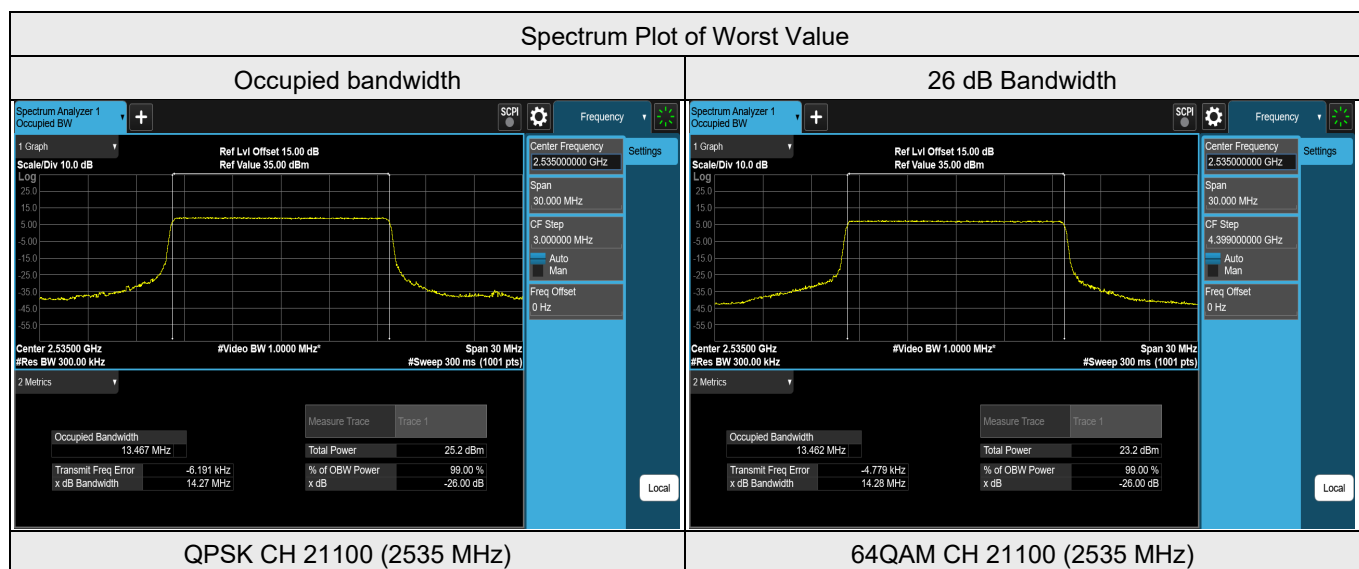
LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20800	2505	8.9717	9.555
QPSK	21100	2535	8.9726	9.556
QPSK	21400	2565	8.9841	9.570
16QAM	20800	2505	8.9751	9.557
16QAM	21100	2535	8.9815	9.565
16QAM	21400	2565	8.9820	9.548
64QAM	20800	2505	8.9794	9.546
64QAM	21100	2535	8.9812	9.574
64QAM	21400	2565	8.9797	9.548
256QAM	20800	2505	8.9687	9.554
256QAM	21100	2535	0.5215	0.696
256QAM	21400	2565	0.5232	0.706



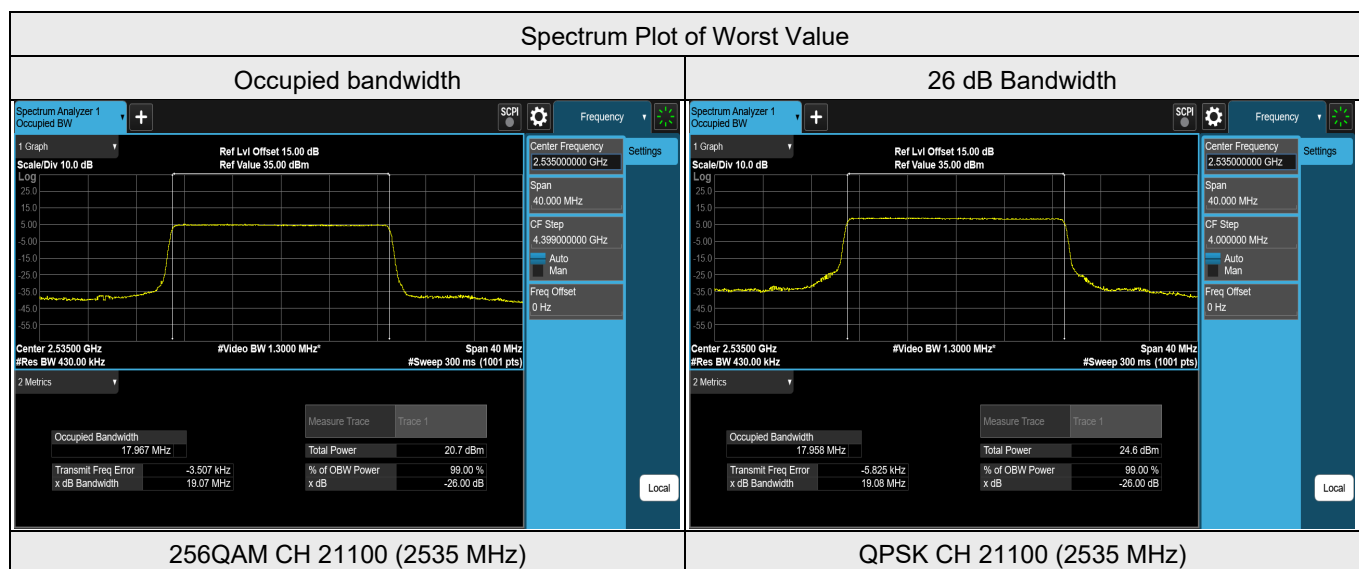
LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20825	2507.5	13.4417	14.256
QPSK	21100	2535	13.4675	14.269
QPSK	21375	2562.5	13.4514	14.254
16QAM	20825	2507.5	13.4406	14.270
16QAM	21100	2535	13.4576	14.275
16QAM	21375	2562.5	13.4564	14.267
64QAM	20825	2507.5	13.4371	14.244
64QAM	21100	2535	13.4621	14.281
64QAM	21375	2562.5	13.4559	14.256
256QAM	20825	2507.5	13.4428	14.263
256QAM	21100	2535	0.7315	0.990
256QAM	21375	2562.5	0.7351	0.996



LTE Band 7, Channel Bandwidth: 20 MHz

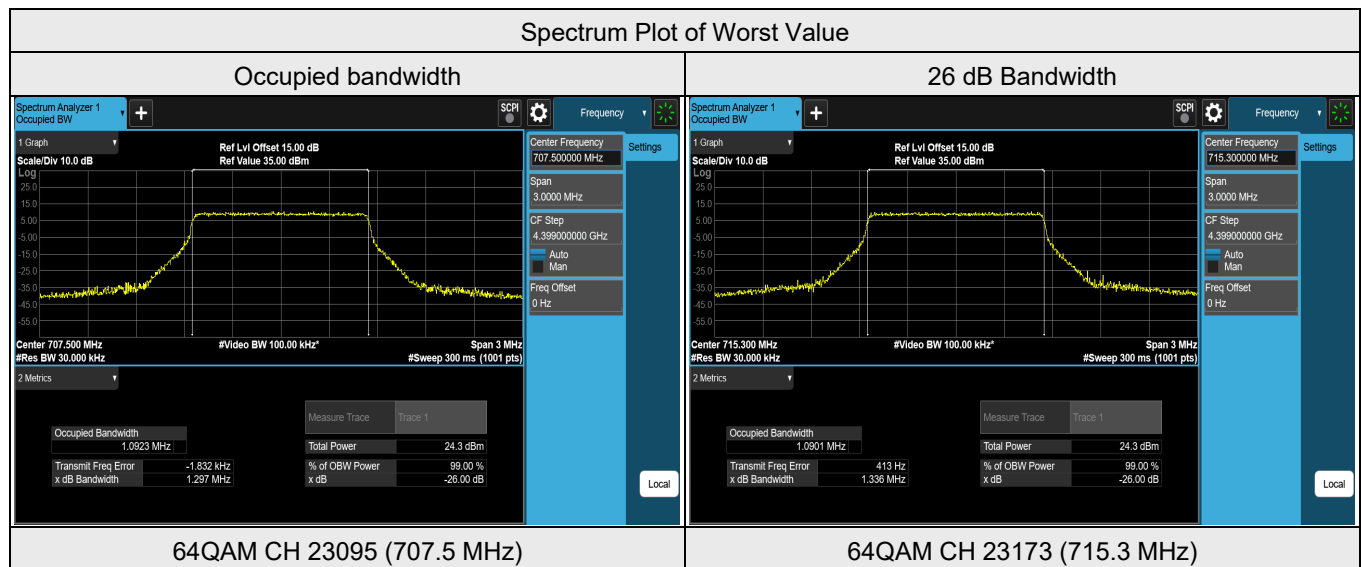
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20850	2510	17.9212	19.037
QPSK	21100	2535	17.9581	19.079
QPSK	21350	2560	17.9426	19.058
16QAM	20850	2510	17.9195	19.043
16QAM	21100	2535	17.9628	19.054
16QAM	21350	2560	17.9415	19.030
64QAM	20850	2510	17.9211	19.027
64QAM	21100	2535	17.9562	19.065
64QAM	21350	2560	17.9463	19.040
256QAM	20850	2510	17.9216	19.038
256QAM	21100	2535	17.9672	19.070
256QAM	21350	2560	17.9466	19.034



7.4.10LTE Band 12

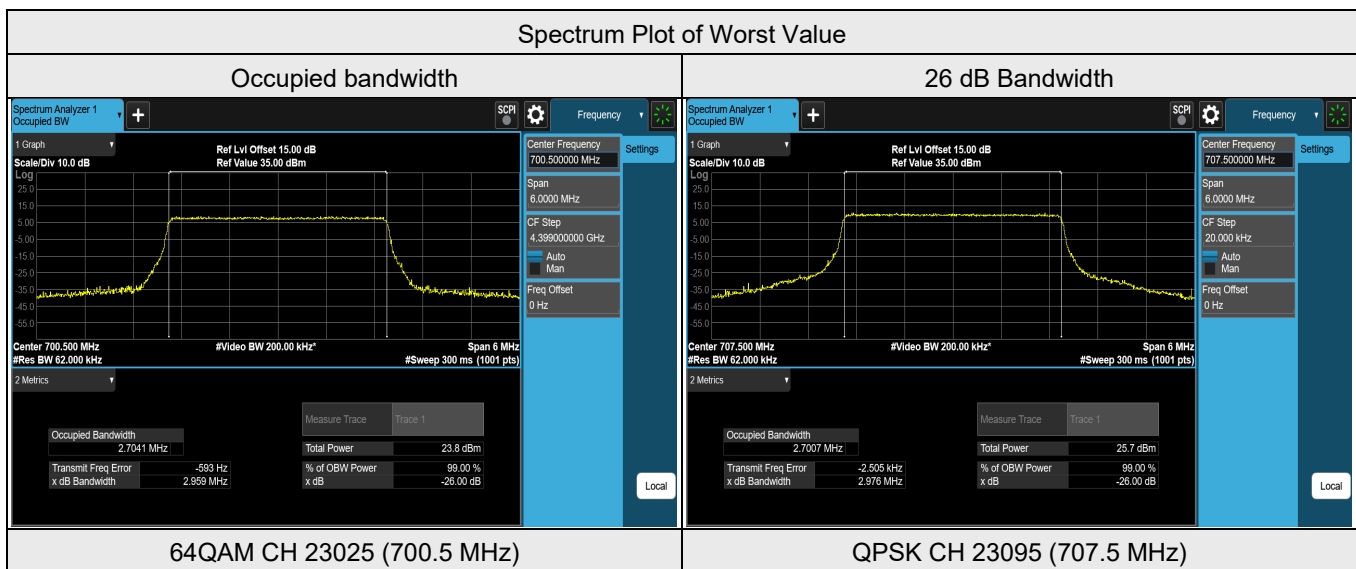
LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23017	699.7	1.0889	1.297
QPSK	23095	707.5	1.0921	1.297
QPSK	23173	715.3	1.0883	1.285
16QAM	23017	699.7	1.0908	1.316
16QAM	23095	707.5	1.0902	1.315
16QAM	23173	715.3	1.0905	1.297
64QAM	23017	699.7	1.0908	1.305
64QAM	23095	707.5	1.0923	1.297
64QAM	23173	715.3	1.0901	1.336
256QAM	23017	699.7	1.0901	1.280
256QAM	23095	707.5	1.0892	1.290
256QAM	23173	715.3	1.0904	1.299



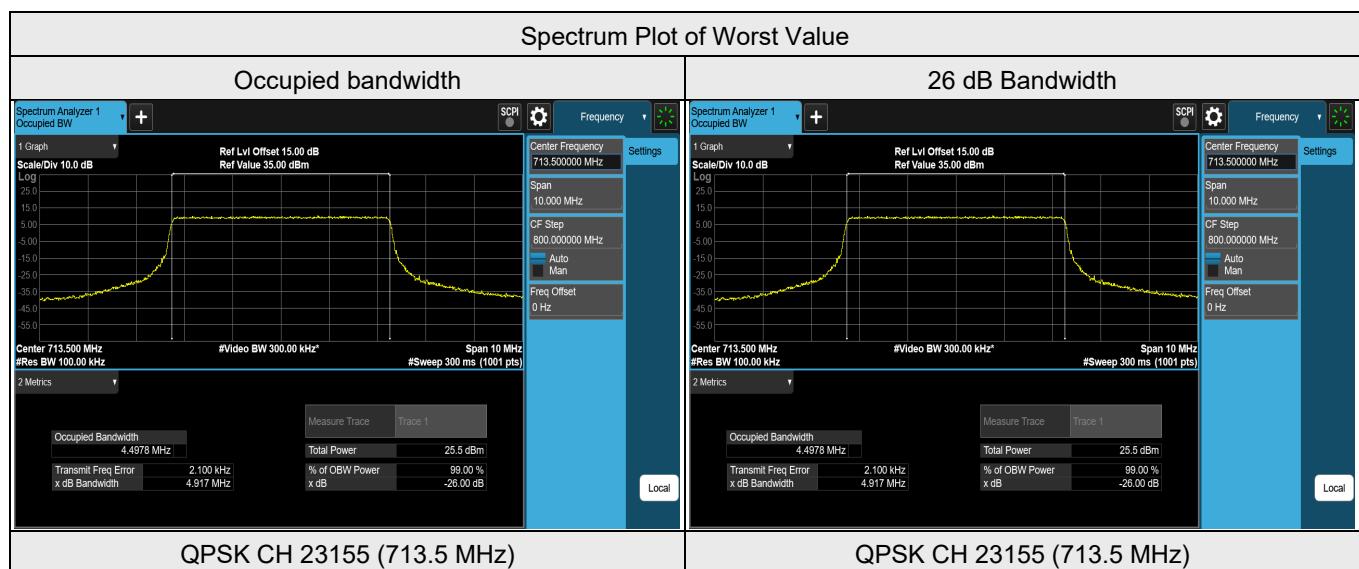
LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23025	700.5	2.7009	2.969
QPSK	23095	707.5	2.7007	2.976
QPSK	23165	714.5	2.7010	2.967
16QAM	23025	700.5	2.6985	2.946
16QAM	23095	707.5	2.6961	2.955
16QAM	23165	714.5	2.7033	2.932
64QAM	23025	700.5	2.7041	2.959
64QAM	23095	707.5	2.7006	2.950
64QAM	23165	714.5	2.7007	2.973
256QAM	23025	700.5	2.7012	2.973
256QAM	23095	707.5	2.7011	2.961
256QAM	23165	714.5	2.7007	2.947



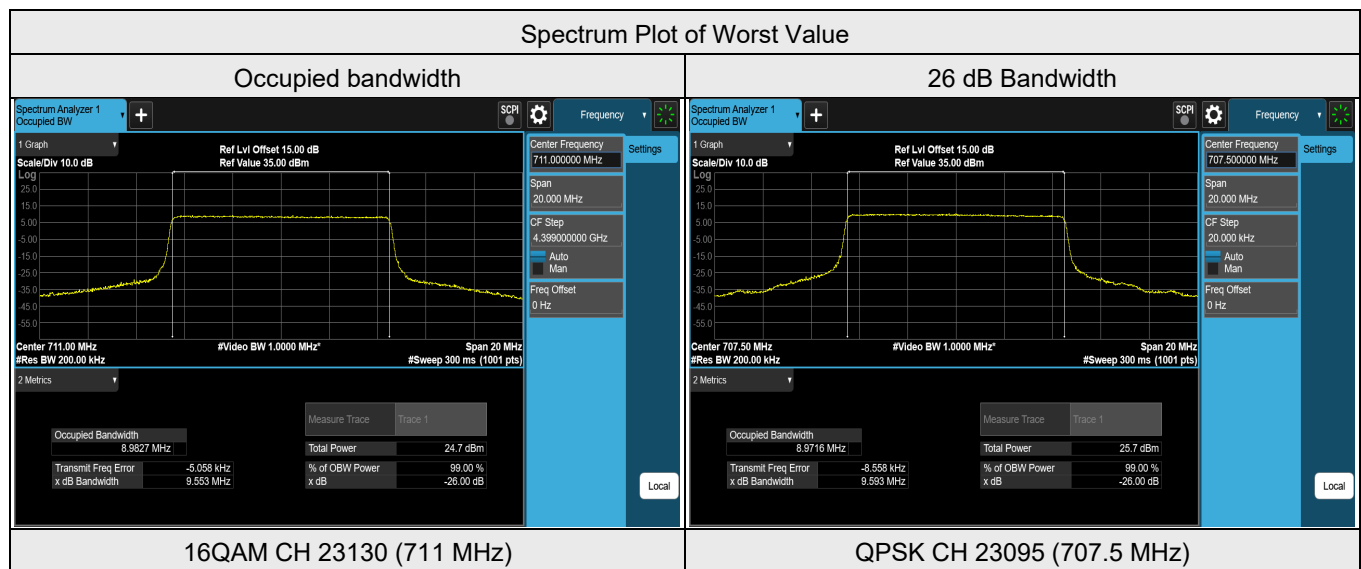
LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23035	701.5	4.4932	4.875
QPSK	23095	707.5	4.4932	4.861
QPSK	23155	713.5	4.4978	4.917
16QAM	23035	701.5	4.4911	4.856
16QAM	23095	707.5	4.4898	4.894
16QAM	23155	713.5	4.4970	4.896
64QAM	23035	701.5	4.4963	4.845
64QAM	23095	707.5	4.4901	4.873
64QAM	23155	713.5	4.4931	4.888
256QAM	23035	701.5	4.4919	4.862
256QAM	23095	707.5	4.4923	4.866
256QAM	23155	713.5	4.4952	4.883



LTE Band 12, Channel Bandwidth: 10 MHz

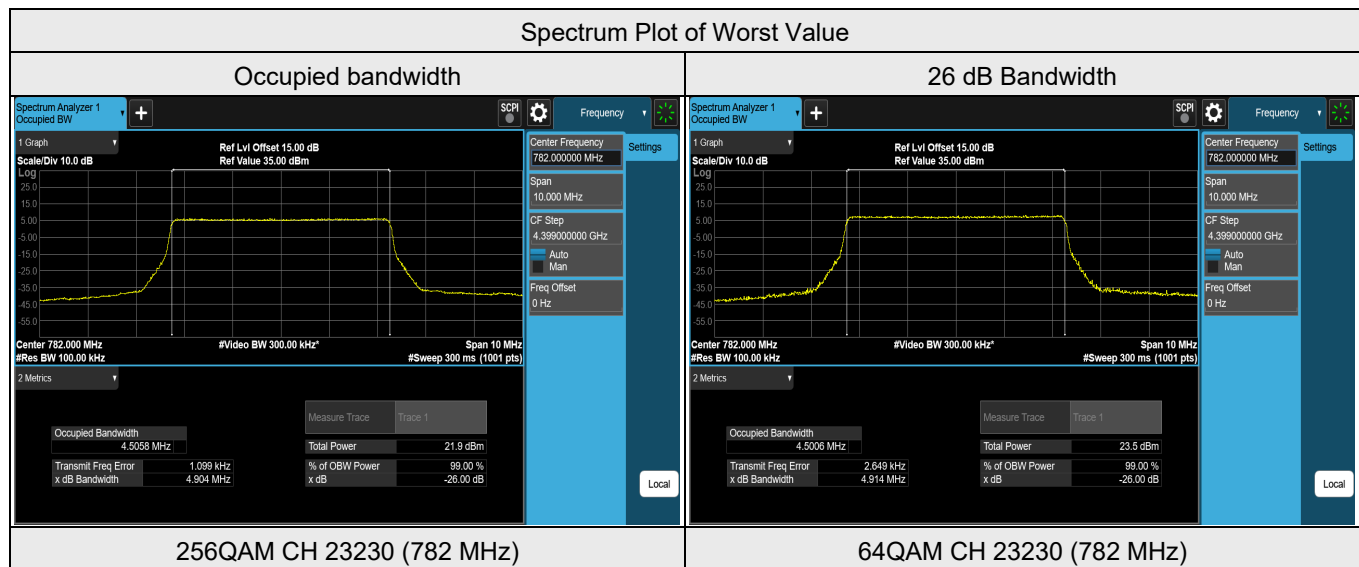
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	8.9695	9.535
QPSK	23095	707.5	8.9716	9.593
QPSK	23130	711	8.9818	9.585
16QAM	23060	704	8.9796	9.540
16QAM	23095	707.5	8.9717	9.552
16QAM	23130	711	8.9827	9.553
64QAM	23060	704	8.9697	9.568
64QAM	23095	707.5	8.9705	9.559
64QAM	23130	711	8.9774	9.541
256QAM	23060	704	8.9750	9.548
256QAM	23095	707.5	8.9682	9.570
256QAM	23130	711	8.9806	9.530



7.4.11LTE Band 13

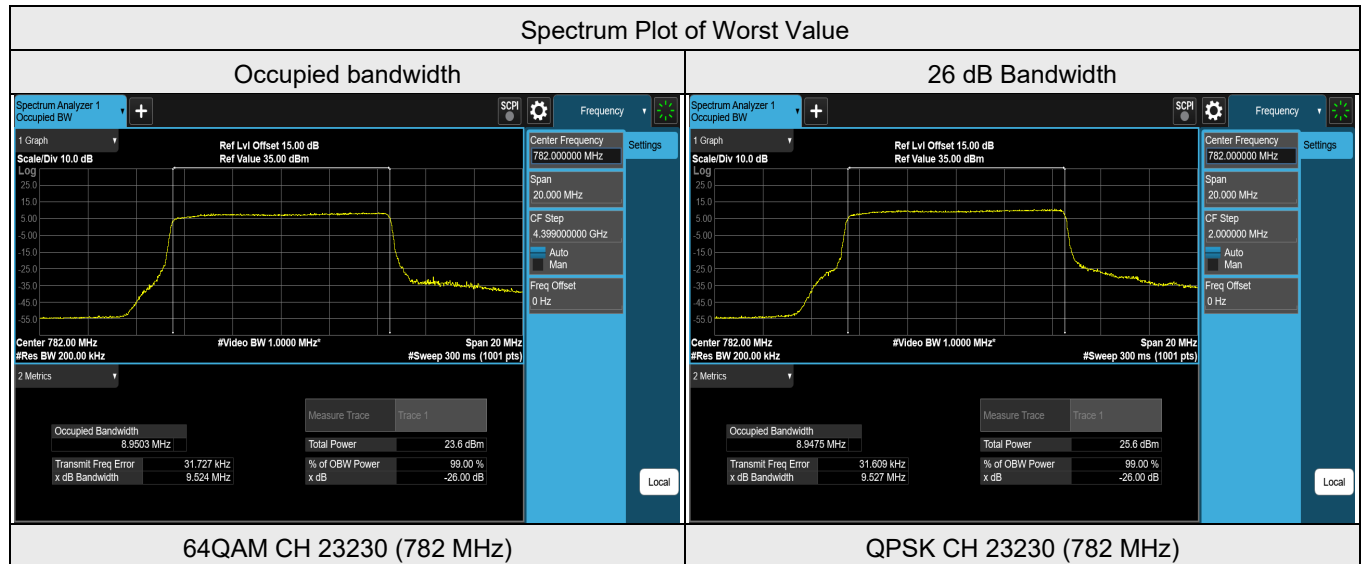
LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23205	779.5	4.4798	4.825
QPSK	23230	782	4.5004	4.878
QPSK	23255	784.5	4.4919	4.871
16QAM	23205	779.5	4.4722	4.823
16QAM	23230	782	4.5007	4.884
16QAM	23255	784.5	4.4904	4.860
64QAM	23205	779.5	4.4735	4.865
64QAM	23230	782	4.5006	4.914
64QAM	23255	784.5	4.4902	4.864
256QAM	23205	779.5	4.4732	4.834
256QAM	23230	782	4.5058	4.904
256QAM	23255	784.5	4.4902	4.857



LTE Band 13, Channel Bandwidth: 10 MHz

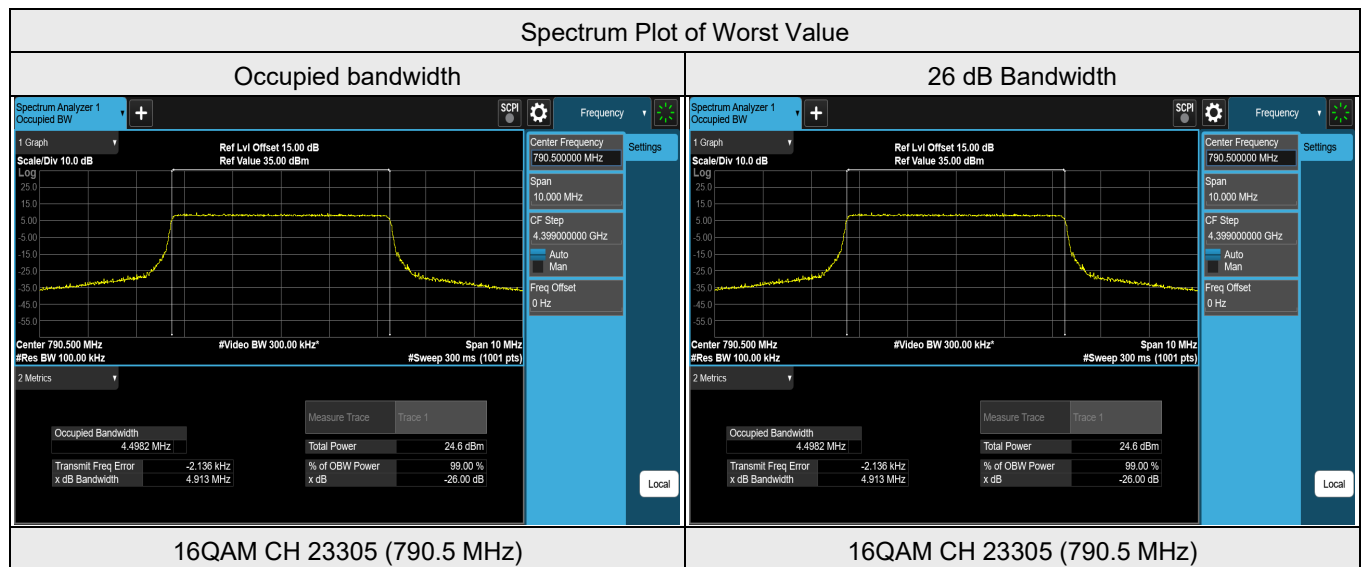
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23230	782	8.9475	9.527
16QAM	23230	782	8.9452	9.503
64QAM	23230	782	8.9503	9.524
256QAM	23230	782	8.9423	9.524



7.4.12LTE Band 14

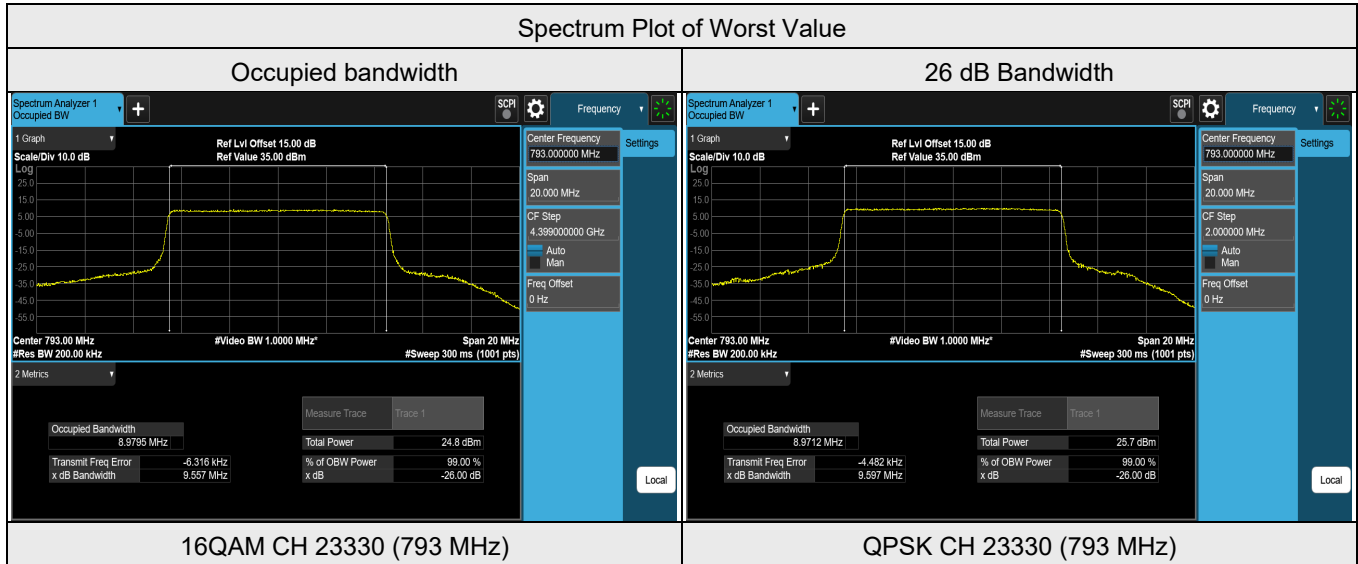
LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23305	790.5	4.4941	4.903
QPSK	23330	793	4.4939	4.898
QPSK	23355	795.5	4.4893	4.874
16QAM	23305	790.5	4.4982	4.913
16QAM	23330	793	4.4938	4.862
16QAM	23355	795.5	4.4905	4.872
64QAM	23305	790.5	4.4974	4.889
64QAM	23330	793	4.4951	4.877
64QAM	23355	795.5	4.4876	4.880
256QAM	23305	790.5	4.4972	4.878
256QAM	23330	793	4.4944	4.904
256QAM	23355	795.5	4.4913	4.884



LTE Band 14, Channel Bandwidth: 10 MHz

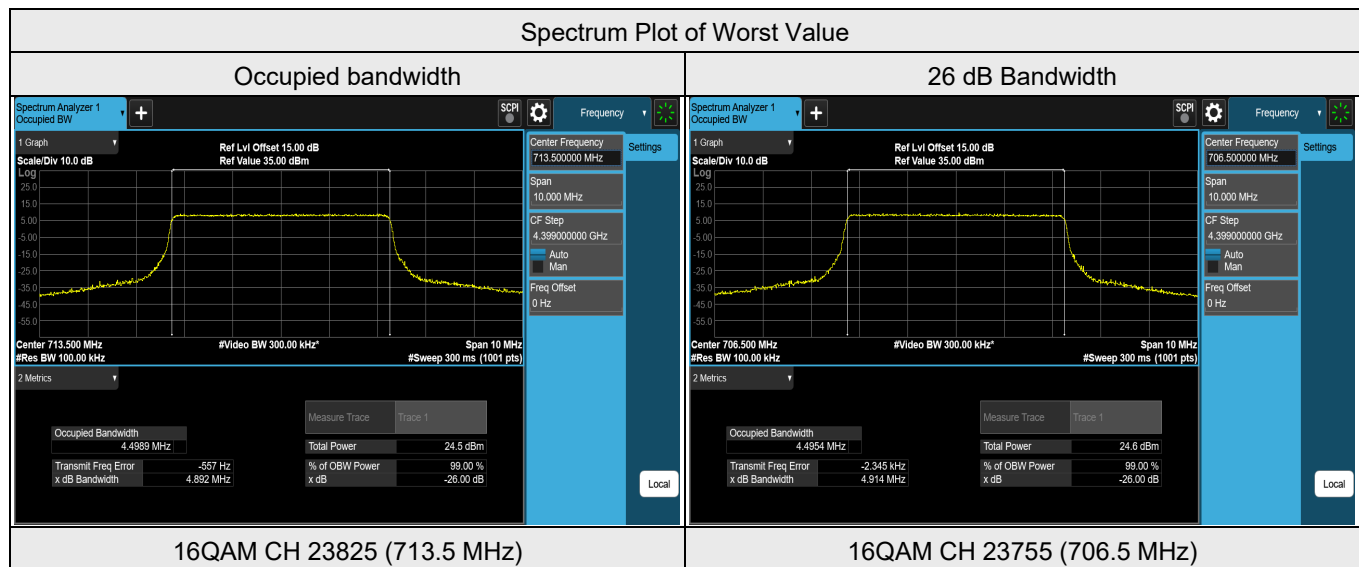
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23330	793	8.9712	9.597
16QAM	23330	793	8.9795	9.557
64QAM	23330	793	8.9714	9.553
256QAM	23330	793	8.9679	9.539



7.4.13LTE Band 17

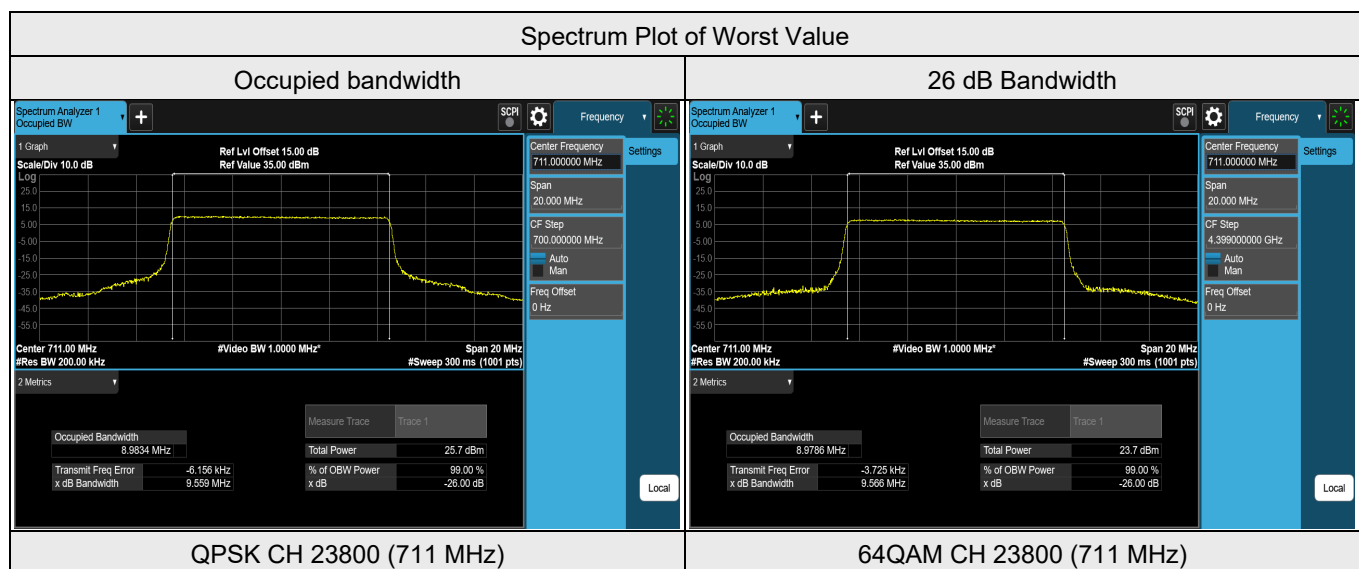
LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23755	706.5	4.4920	4.879
QPSK	23790	710	4.4939	4.864
QPSK	23825	713.5	4.4960	4.864
16QAM	23755	706.5	4.4954	4.914
16QAM	23790	710	4.4947	4.869
16QAM	23825	713.5	4.4989	4.892
64QAM	23755	706.5	4.4927	4.863
64QAM	23790	710	4.4925	4.886
64QAM	23825	713.5	4.4938	4.884
256QAM	23755	706.5	4.4908	4.874
256QAM	23790	710	4.4920	4.873
256QAM	23825	713.5	4.4970	4.853



LTE Band 17, Channel Bandwidth: 10 MHz

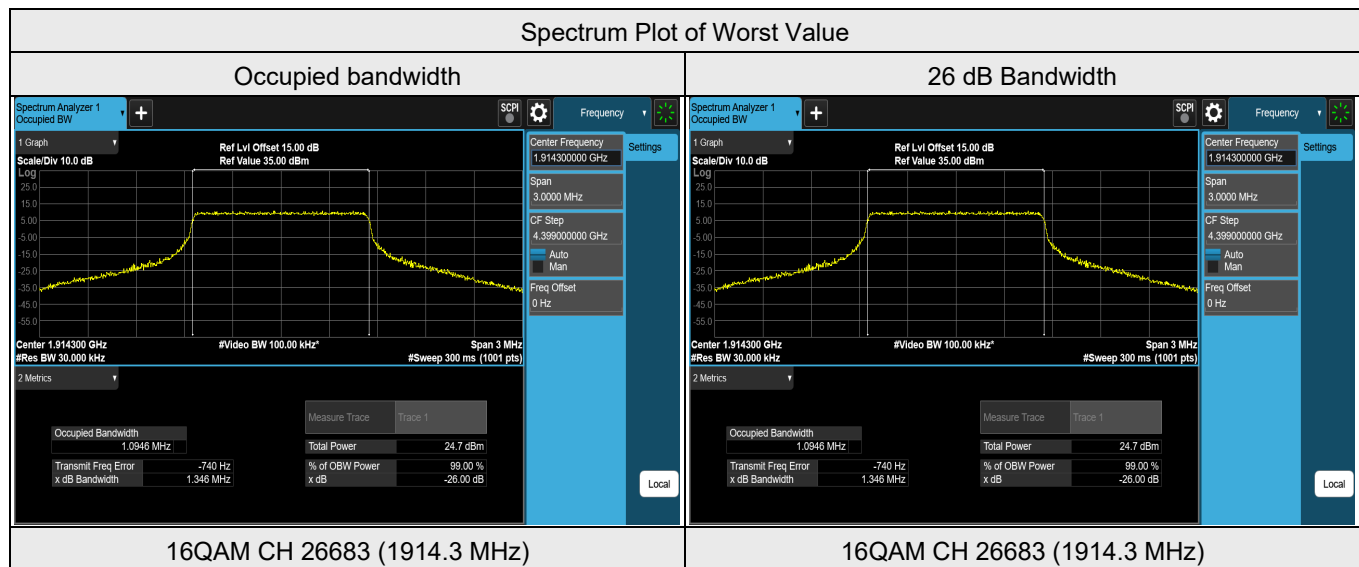
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23780	709	8.9743	9.561
QPSK	23790	710	8.9826	9.558
QPSK	23800	711	8.9834	9.559
16QAM	23780	709	8.9739	9.532
16QAM	23790	710	8.9761	9.537
16QAM	23800	711	8.9831	9.538
64QAM	23780	709	8.9763	9.558
64QAM	23790	710	8.9753	9.534
64QAM	23800	711	8.9786	9.566
256QAM	23780	709	8.9803	9.537
256QAM	23790	710	8.9770	9.549
256QAM	23800	711	8.9762	9.542



7.4.14LTE Band 25

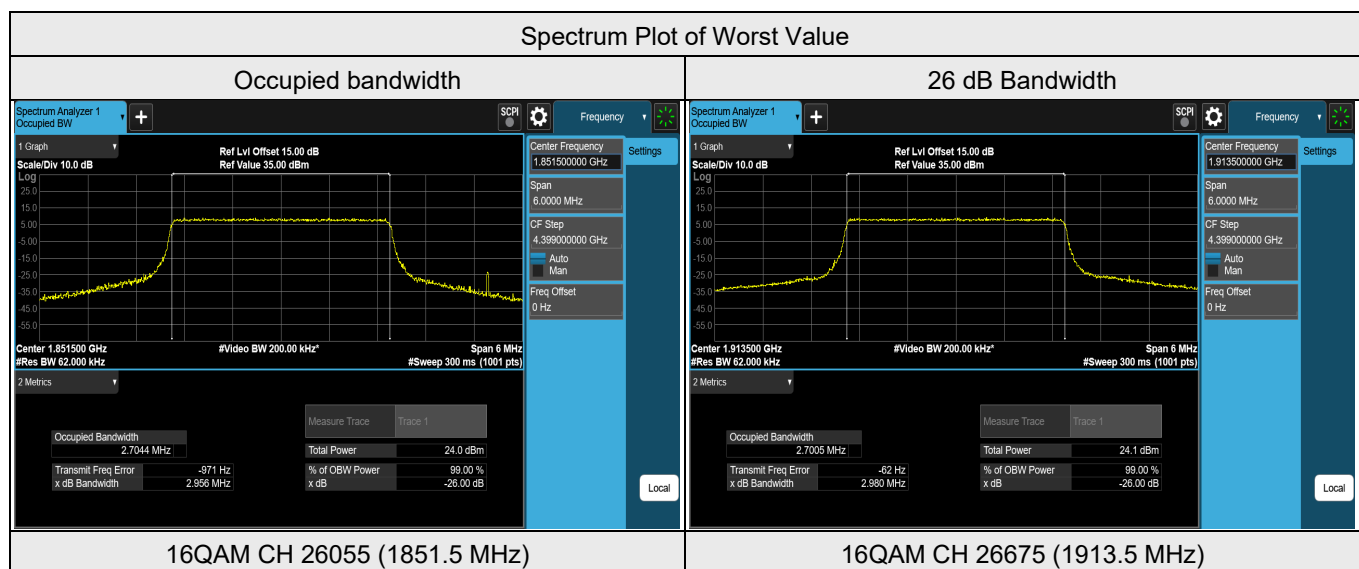
LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26047	1850.7	1.0896	1.328
QPSK	26365	1882.5	1.0889	1.334
QPSK	26683	1914.3	1.0921	1.343
16QAM	26047	1850.7	1.0909	1.341
16QAM	26365	1882.5	1.0919	1.325
16QAM	26683	1914.3	1.0946	1.346
64QAM	26047	1850.7	1.0941	1.303
64QAM	26365	1882.5	1.0911	1.294
64QAM	26683	1914.3	1.0939	1.284
256QAM	26047	1850.7	1.0912	1.303
256QAM	26365	1882.5	1.0901	1.292
256QAM	26683	1914.3	1.0911	1.303



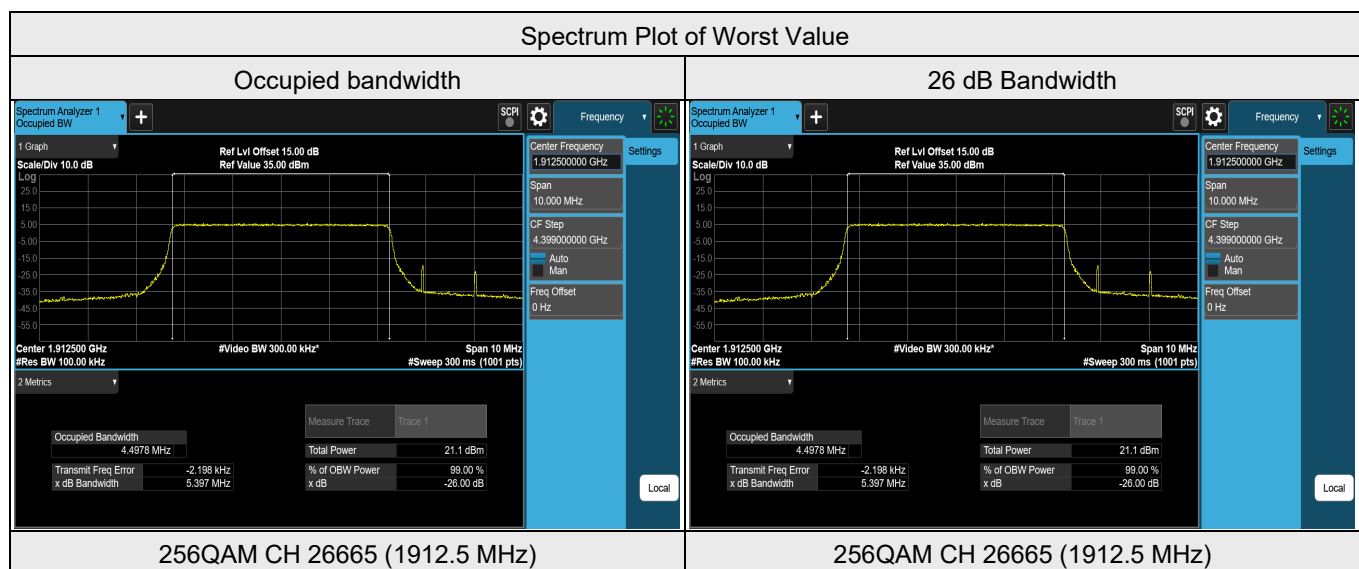
LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26055	1851.5	2.7025	2.962
QPSK	26365	1882.5	2.7035	2.939
QPSK	26675	1913.5	2.7010	2.972
16QAM	26055	1851.5	2.7044	2.956
16QAM	26365	1882.5	2.7022	2.951
16QAM	26675	1913.5	2.7005	2.980
64QAM	26055	1851.5	2.6972	2.958
64QAM	26365	1882.5	2.7021	2.970
64QAM	26675	1913.5	2.7035	2.960
256QAM	26055	1851.5	2.6998	2.955
256QAM	26365	1882.5	2.7031	2.933
256QAM	26675	1913.5	2.7041	2.975



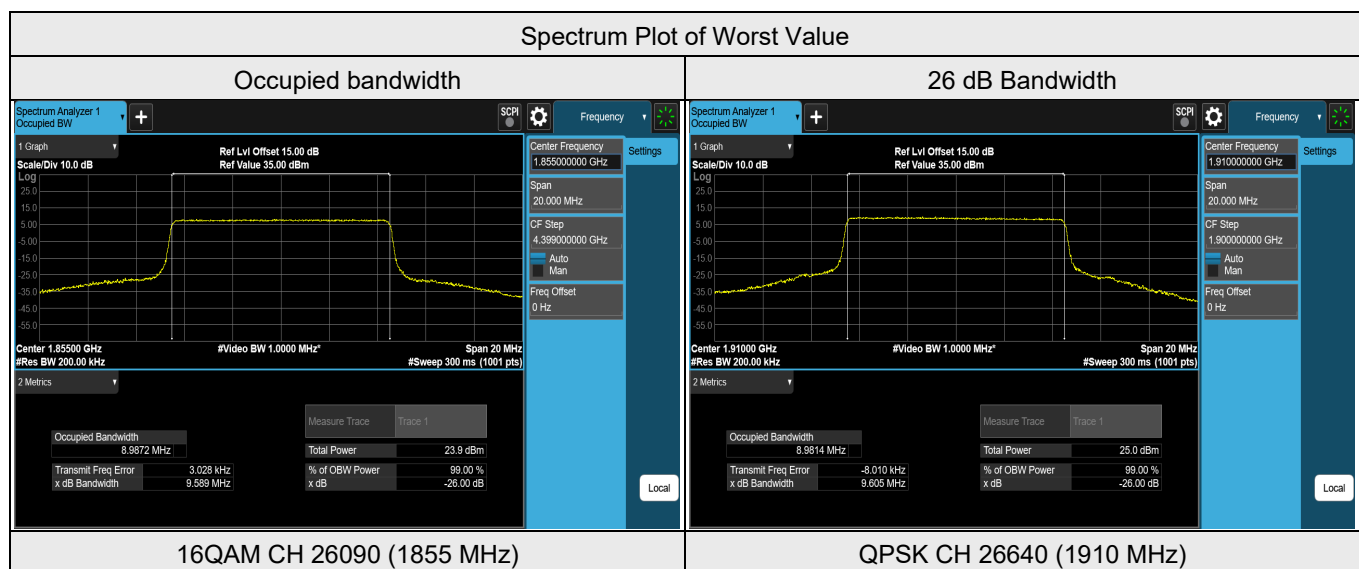
LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26065	1852.5	4.4918	4.907
QPSK	26365	1882.5	4.4964	4.892
QPSK	26665	1912.5	4.4956	4.883
16QAM	26065	1852.5	4.4950	4.928
16QAM	26365	1882.5	4.4943	4.890
16QAM	26665	1912.5	4.4938	4.892
64QAM	26065	1852.5	4.4928	4.869
64QAM	26365	1882.5	4.4943	4.899
64QAM	26665	1912.5	4.4942	4.853
256QAM	26065	1852.5	4.4935	4.879
256QAM	26365	1882.5	4.4922	4.925
256QAM	26665	1912.5	4.4978	5.397



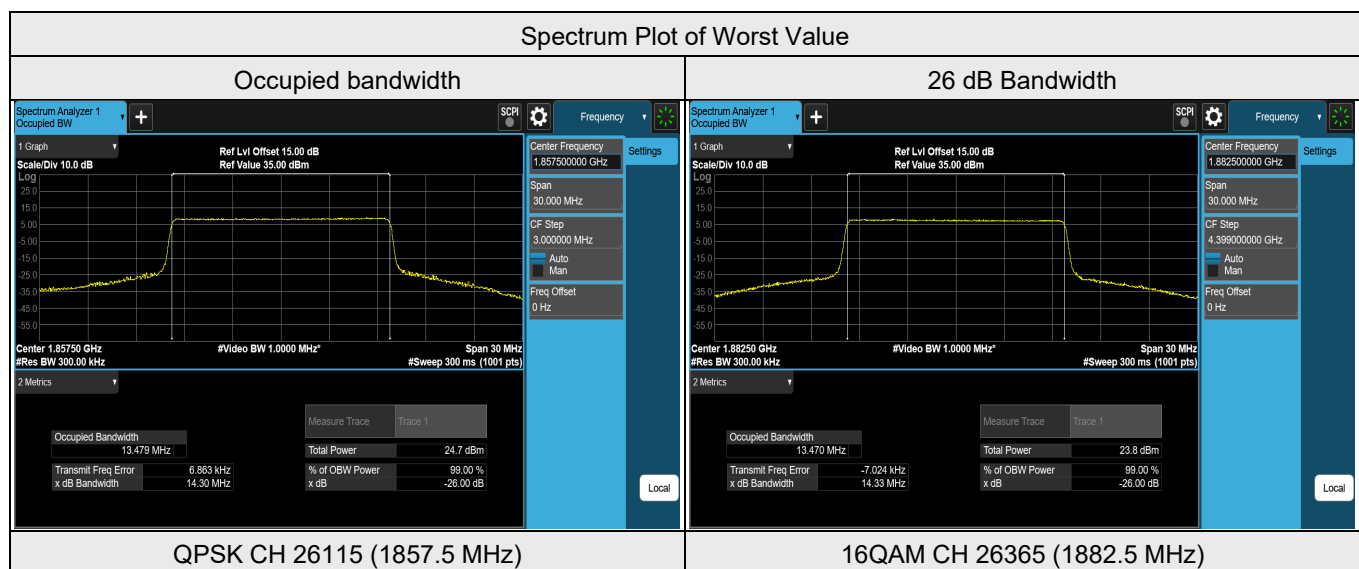
LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26090	1855	8.9822	9.576
QPSK	26365	1882.5	8.9784	9.545
QPSK	26640	1910	8.9814	9.605
16QAM	26090	1855	8.9872	9.589
16QAM	26365	1882.5	8.9841	9.551
16QAM	26640	1910	8.9787	9.561
64QAM	26090	1855	8.9780	9.562
64QAM	26365	1882.5	8.9797	9.552
64QAM	26640	1910	8.9794	9.547
256QAM	26090	1855	8.9815	9.551
256QAM	26365	1882.5	8.9772	9.516
256QAM	26640	1910	8.9787	9.524



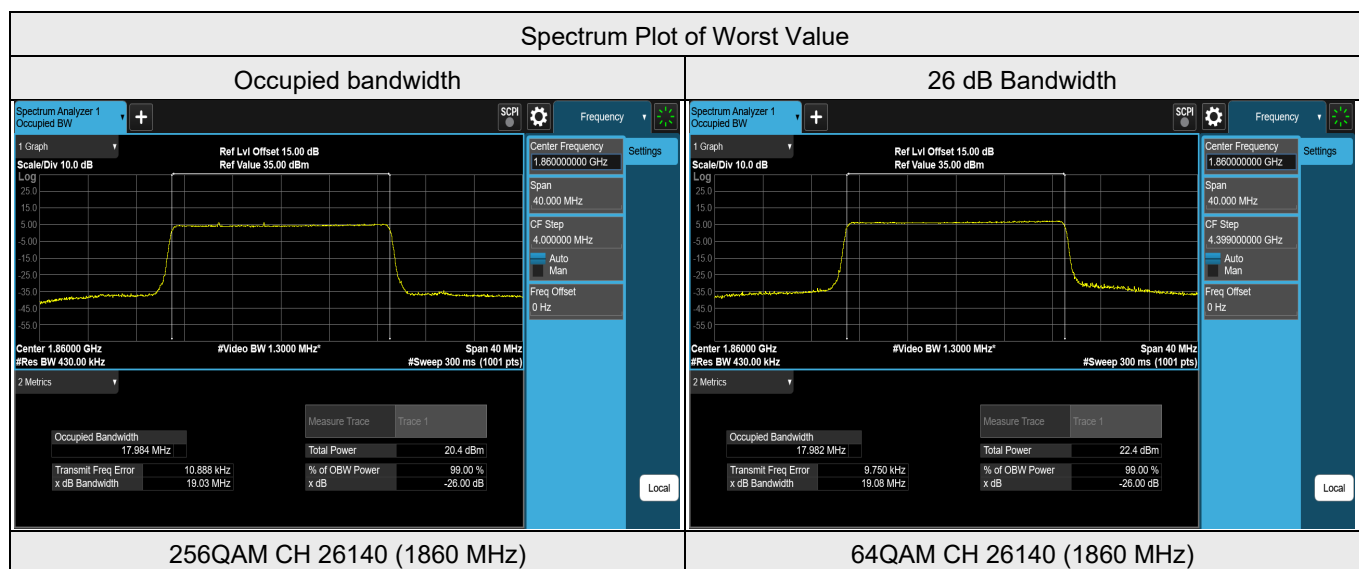
LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26115	1857.5	13.4790	14.295
QPSK	26365	1882.5	13.4729	14.282
QPSK	26615	1907.5	13.4681	14.266
16QAM	26115	1857.5	13.4721	14.294
16QAM	26365	1882.5	13.4704	14.333
16QAM	26615	1907.5	13.4691	14.269
64QAM	26115	1857.5	13.4760	14.278
64QAM	26365	1882.5	13.4651	14.269
64QAM	26615	1907.5	13.4689	14.258
256QAM	26115	1857.5	13.4719	14.243
256QAM	26365	1882.5	13.4734	14.257
256QAM	26615	1907.5	13.4605	14.265



LTE Band 25, Channel Bandwidth: 20 MHz

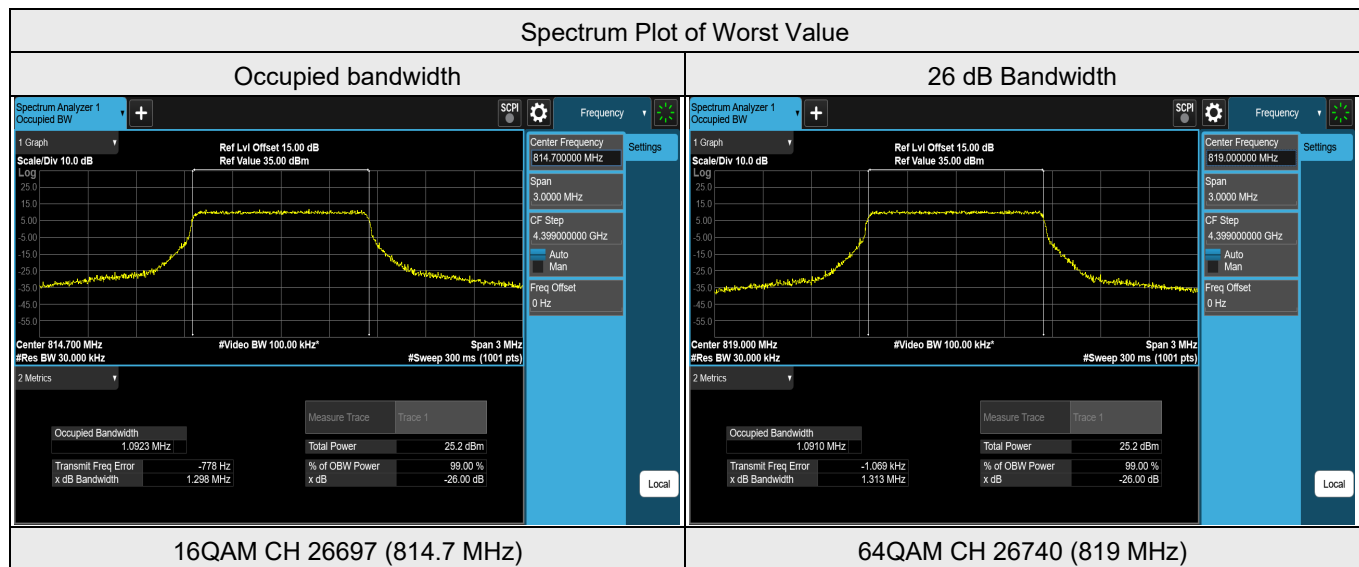
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26140	1860	17.9811	19.073
QPSK	26365	1882.5	17.9738	19.073
QPSK	26590	1905	17.9573	19.064
16QAM	26140	1860	17.9781	19.058
16QAM	26365	1882.5	17.9755	19.064
16QAM	26590	1905	17.9666	19.068
64QAM	26140	1860	17.9823	19.078
64QAM	26365	1882.5	17.9708	19.045
64QAM	26590	1905	17.9593	19.042
256QAM	26140	1860	17.9836	19.035
256QAM	26365	1882.5	17.9656	19.004
256QAM	26590	1905	17.9466	19.037



7.4.15LTE Band 26 (814 MHz ~ 824 MHz)

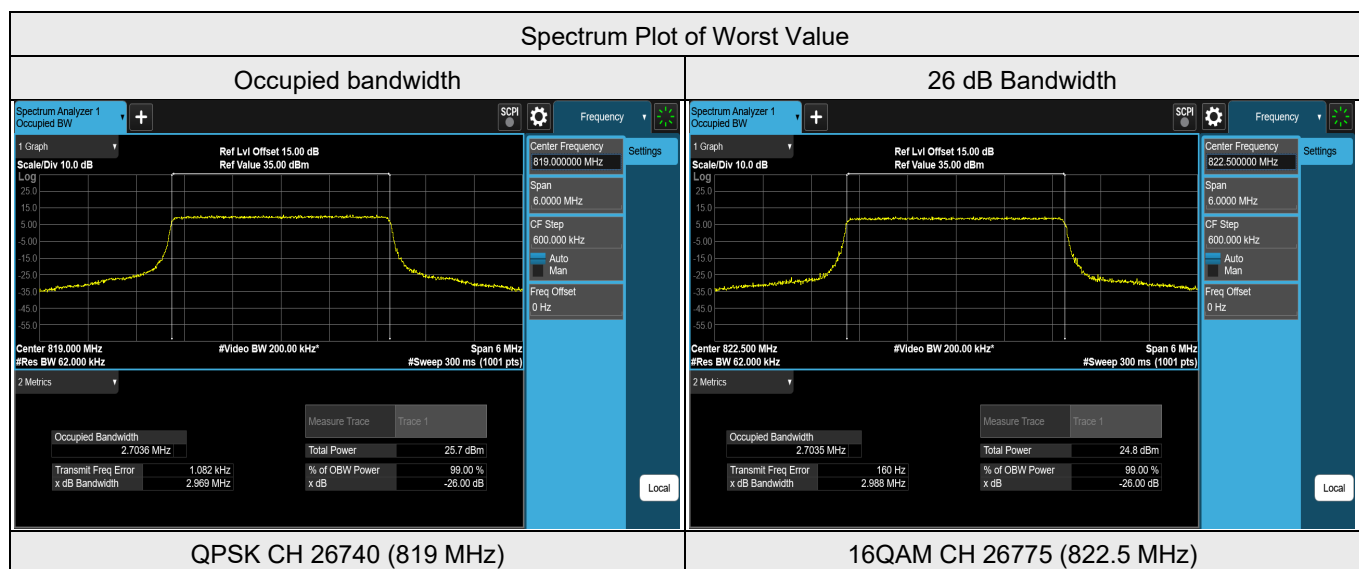
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26697	814.7	1.0900	1.293
QPSK	26740	819	1.0903	1.304
QPSK	26783	823.3	1.0901	1.297
16QAM	26697	814.7	1.0923	1.298
16QAM	26740	819	1.0915	1.310
16QAM	26783	823.3	1.0911	1.297
64QAM	26697	814.7	1.0893	1.286
64QAM	26740	819	1.0910	1.313
64QAM	26783	823.3	1.0920	1.299
256QAM	26697	814.7	1.0895	1.304
256QAM	26740	819	1.0911	1.309
256QAM	26783	823.3	1.0890	1.294



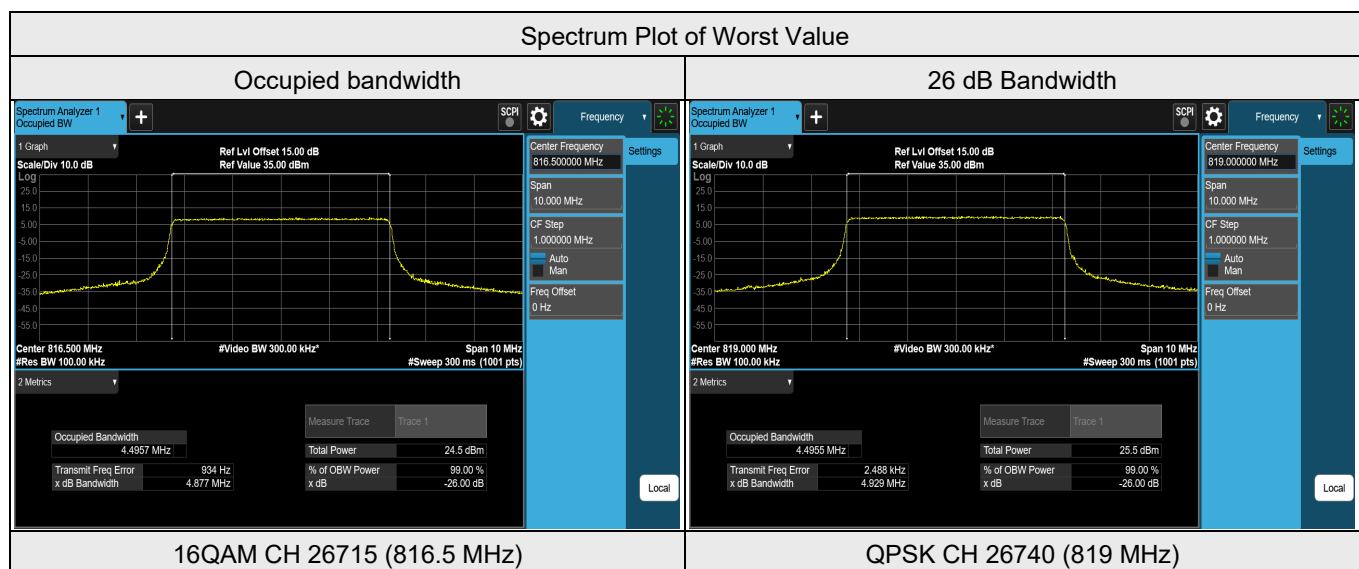
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26705	815.5	2.7030	2.966
QPSK	26740	819	2.7036	2.969
QPSK	26775	822.5	2.7019	2.965
16QAM	26705	815.5	2.7033	2.953
16QAM	26740	819	2.7008	2.943
16QAM	26775	822.5	2.7035	2.988
64QAM	26705	815.5	2.7027	2.981
64QAM	26740	819	2.7009	2.938
64QAM	26775	822.5	2.6995	2.949
256QAM	26705	815.5	2.7018	2.949
256QAM	26740	819	2.7016	2.965
256QAM	26775	822.5	2.7032	2.947



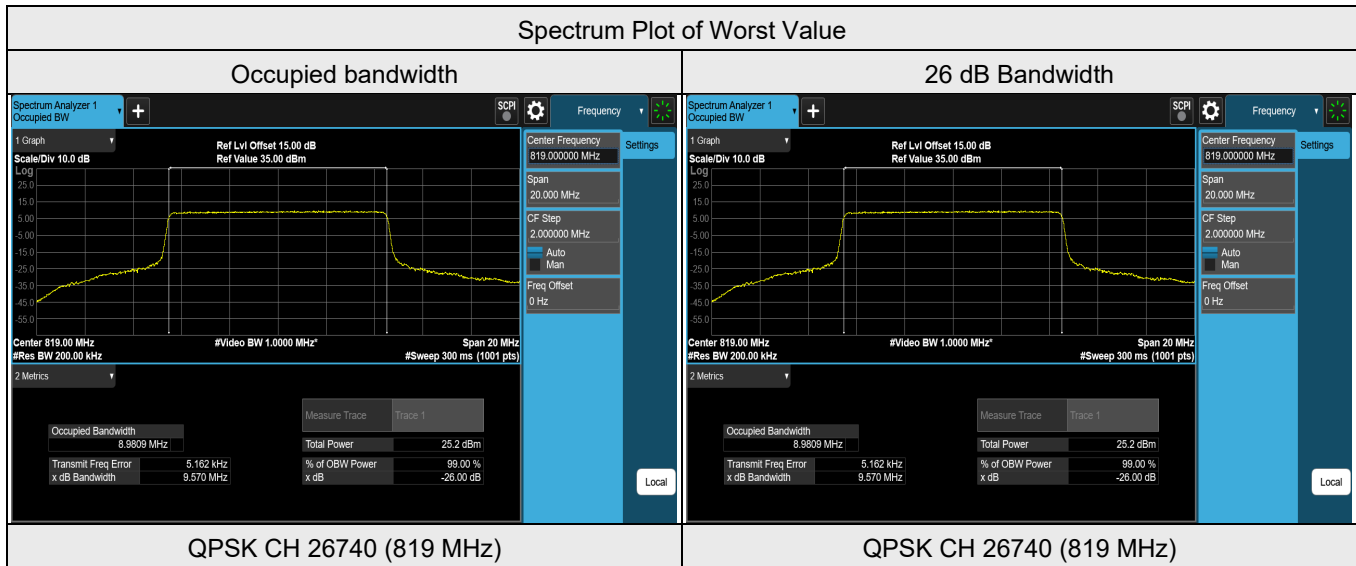
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26715	816.5	4.4955	4.879
QPSK	26740	819	4.4955	4.929
QPSK	26765	821.5	4.4914	4.900
16QAM	26715	816.5	4.4957	4.877
16QAM	26740	819	4.4932	4.889
16QAM	26765	821.5	4.4937	4.873
64QAM	26715	816.5	4.4930	4.882
64QAM	26740	819	4.4941	4.877
64QAM	26765	821.5	4.4955	4.865
256QAM	26715	816.5	4.4947	4.859
256QAM	26740	819	4.4896	4.873
256QAM	26765	821.5	4.4953	4.881



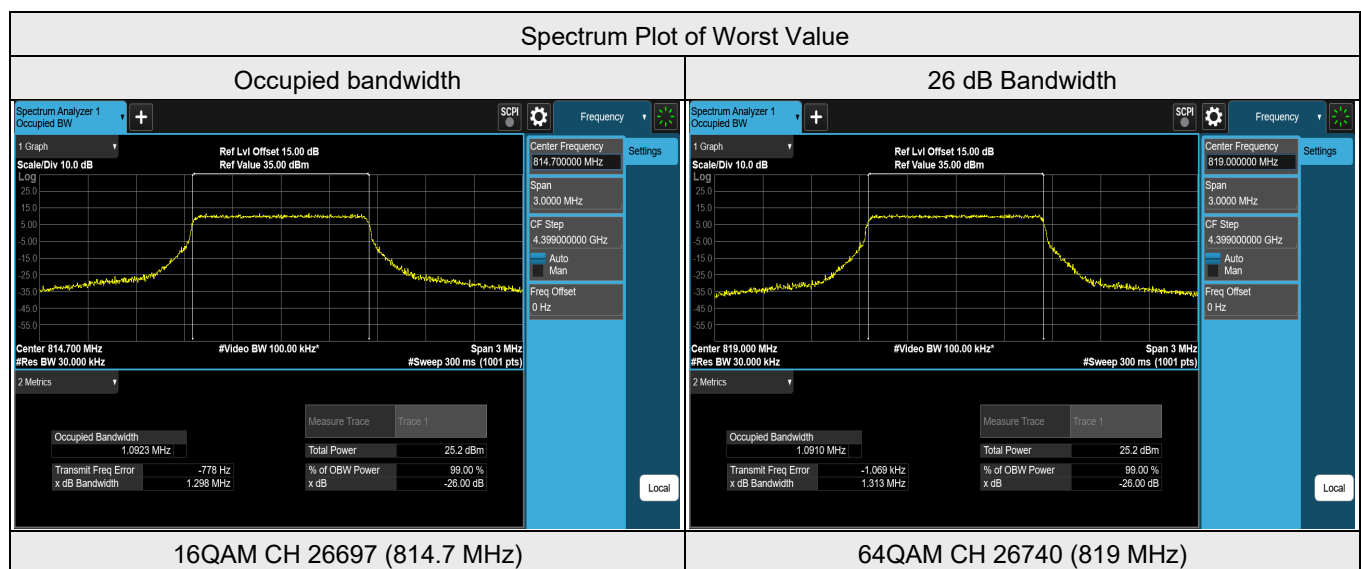
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26740	819	8.9809	9.570
16QAM	26740	819	8.9798	9.549
64QAM	26740	819	8.9740	9.540
256QAM	26740	819	8.9765	9.560



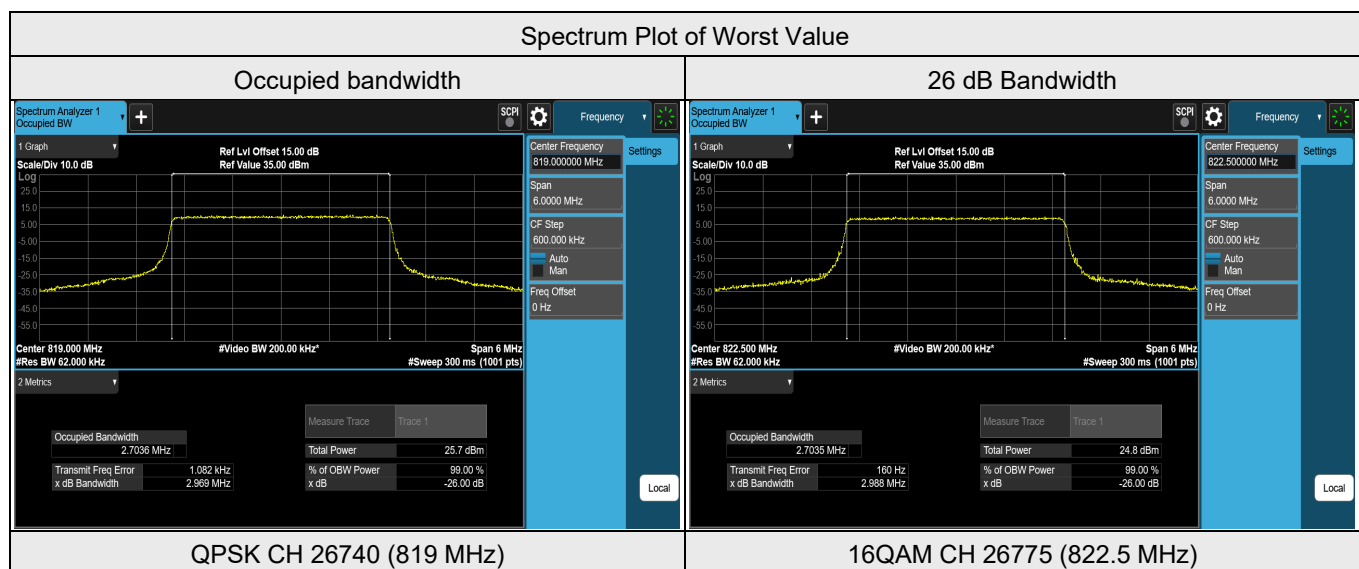
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26697	814.7	1.0900	1.293
QPSK	26740	819	1.0903	1.304
QPSK	26783	823.3	1.0901	1.297
16QAM	26697	814.7	1.0923	1.298
16QAM	26740	819	1.0915	1.310
16QAM	26783	823.3	1.0911	1.297
64QAM	26697	814.7	1.0893	1.286
64QAM	26740	819	1.0910	1.313
64QAM	26783	823.3	1.0920	1.299
256QAM	26697	814.7	1.0895	1.304
256QAM	26740	819	1.0911	1.309
256QAM	26783	823.3	1.0890	1.294



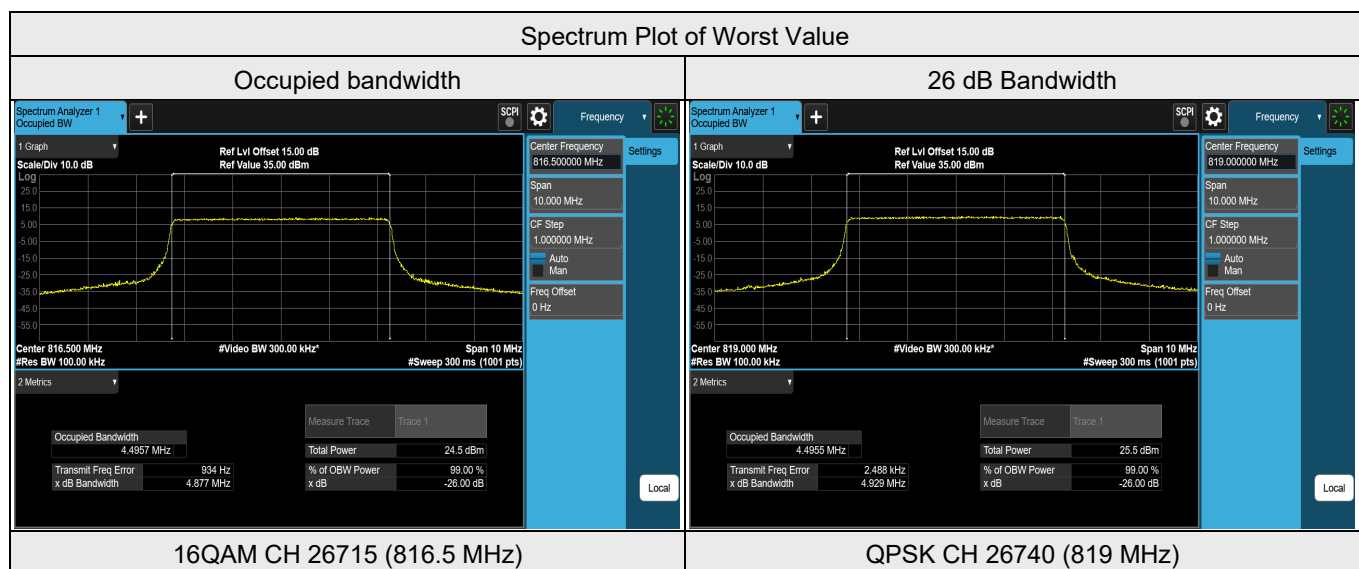
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26705	815.5	2.7030	2.966
QPSK	26740	819	2.7036	2.969
QPSK	26775	822.5	2.7019	2.965
16QAM	26705	815.5	2.7033	2.953
16QAM	26740	819	2.7008	2.943
16QAM	26775	822.5	2.7035	2.988
64QAM	26705	815.5	2.7027	2.981
64QAM	26740	819	2.7009	2.938
64QAM	26775	822.5	2.6995	2.949
256QAM	26705	815.5	2.7018	2.949
256QAM	26740	819	2.7016	2.965
256QAM	26775	822.5	2.7032	2.947



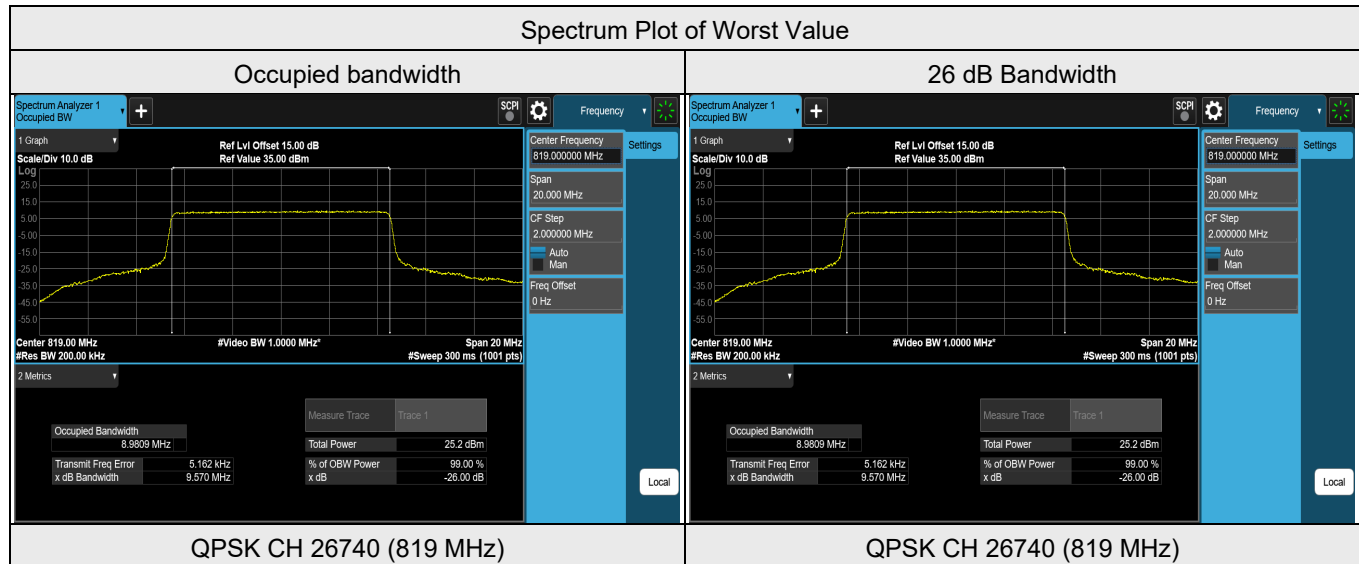
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26715	816.5	4.4955	4.879
QPSK	26740	819	4.4955	4.929
QPSK	26765	821.5	4.4914	4.900
16QAM	26715	816.5	4.4957	4.877
16QAM	26740	819	4.4932	4.889
16QAM	26765	821.5	4.4937	4.873
64QAM	26715	816.5	4.4930	4.882
64QAM	26740	819	4.4941	4.877
64QAM	26765	821.5	4.4955	4.865
256QAM	26715	816.5	4.4947	4.859
256QAM	26740	819	4.4896	4.873
256QAM	26765	821.5	4.4953	4.881



LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

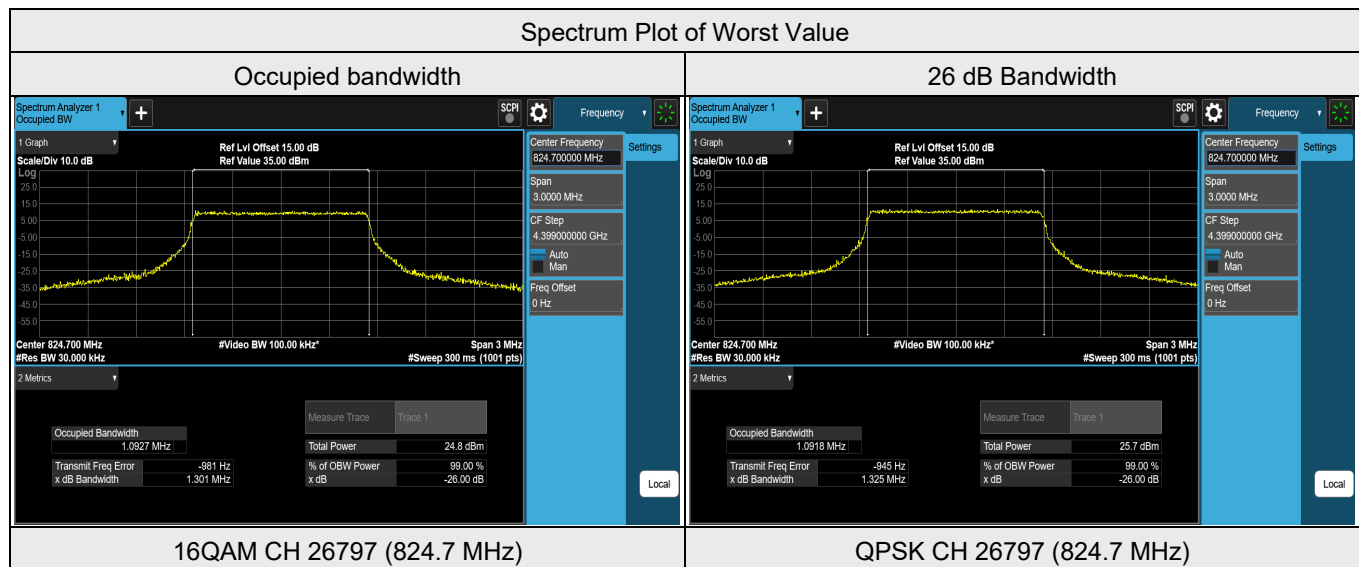
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26740	819	8.9809	9.570
16QAM	26740	819	8.9798	9.549
64QAM	26740	819	8.9740	9.540
256QAM	26740	819	8.9765	9.560



7.4.16LTE Band 26 (824 MHz ~ 849 MHz)

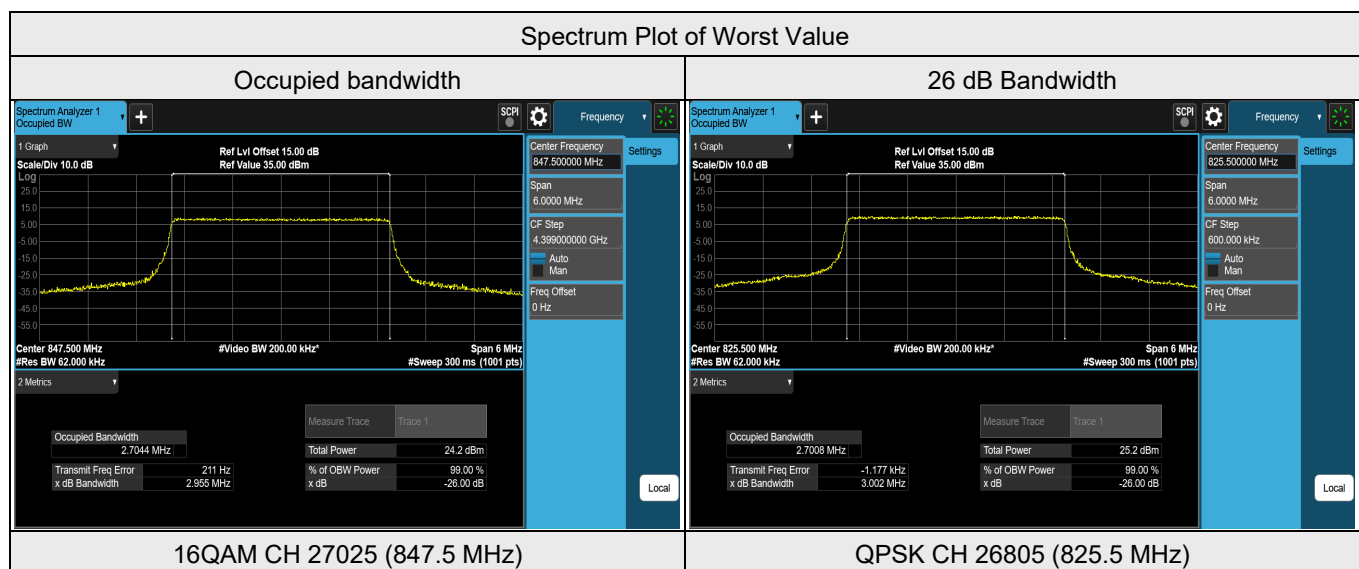
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26797	824.7	1.0918	1.325
QPSK	26915	836.5	1.0901	1.293
QPSK	27033	848.3	1.0895	1.302
16QAM	26797	824.7	1.0927	1.301
16QAM	26915	836.5	1.0911	1.304
16QAM	27033	848.3	1.0914	1.316
64QAM	26797	824.7	1.0923	1.304
64QAM	26915	836.5	1.0911	1.296
64QAM	27033	848.3	1.0903	1.288
256QAM	26797	824.7	1.0890	1.301
256QAM	26915	836.5	1.0920	1.297
256QAM	27033	848.3	1.0901	1.315



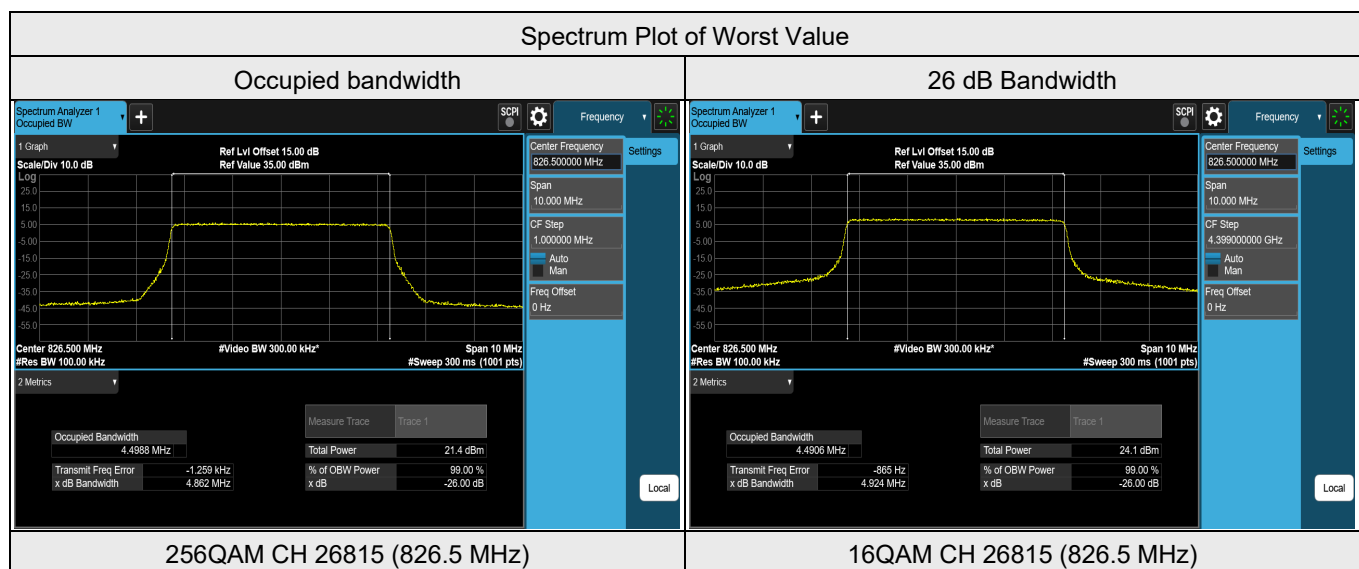
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26805	825.5	2.7008	3.002
QPSK	26915	836.5	2.7008	2.963
QPSK	27025	847.5	2.7013	2.965
16QAM	26805	825.5	2.6999	2.948
16QAM	26915	836.5	2.7003	2.959
16QAM	27025	847.5	2.7044	2.955
64QAM	26805	825.5	2.7004	2.960
64QAM	26915	836.5	2.7006	2.956
64QAM	27025	847.5	2.7025	2.948
256QAM	26805	825.5	2.7021	2.954
256QAM	26915	836.5	2.6995	2.952
256QAM	27025	847.5	2.7003	2.954



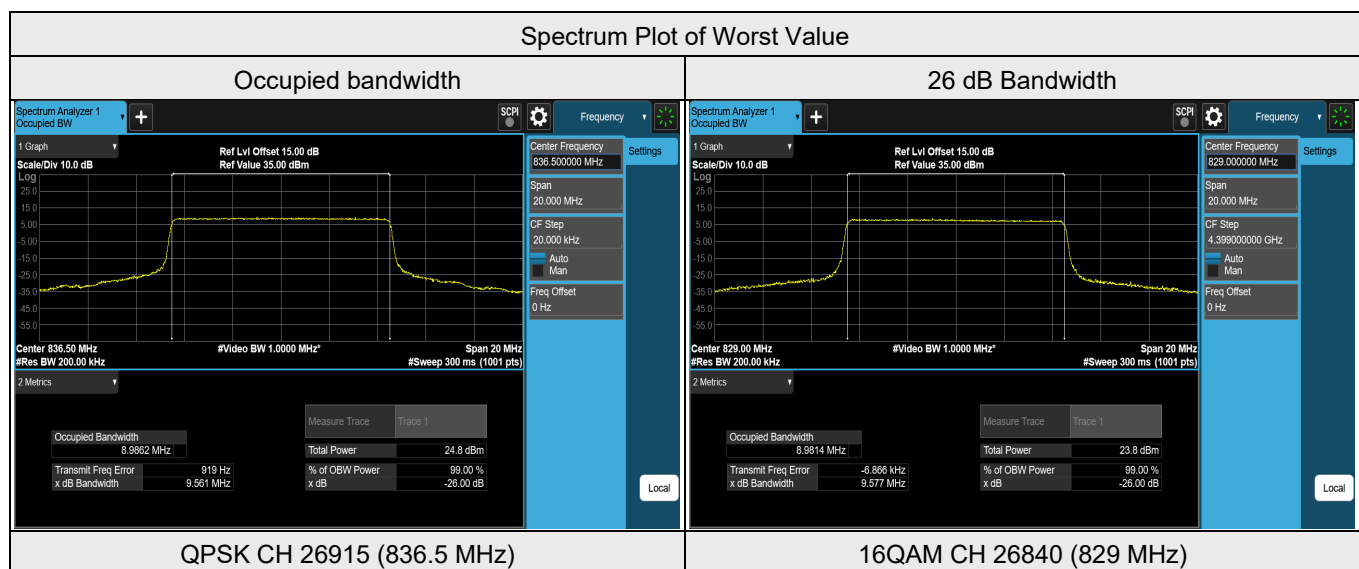
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26815	826.5	4.4943	4.893
QPSK	26915	836.5	4.4969	4.912
QPSK	27015	846.5	4.4970	4.871
16QAM	26815	826.5	4.4906	4.924
16QAM	26915	836.5	4.4933	4.908
16QAM	27015	846.5	4.4964	4.894
64QAM	26815	826.5	4.4934	4.865
64QAM	26915	836.5	4.4934	4.883
64QAM	27015	846.5	4.4937	4.861
256QAM	26815	826.5	4.4988	4.862
256QAM	26915	836.5	4.4920	4.873
256QAM	27015	846.5	4.4924	4.891



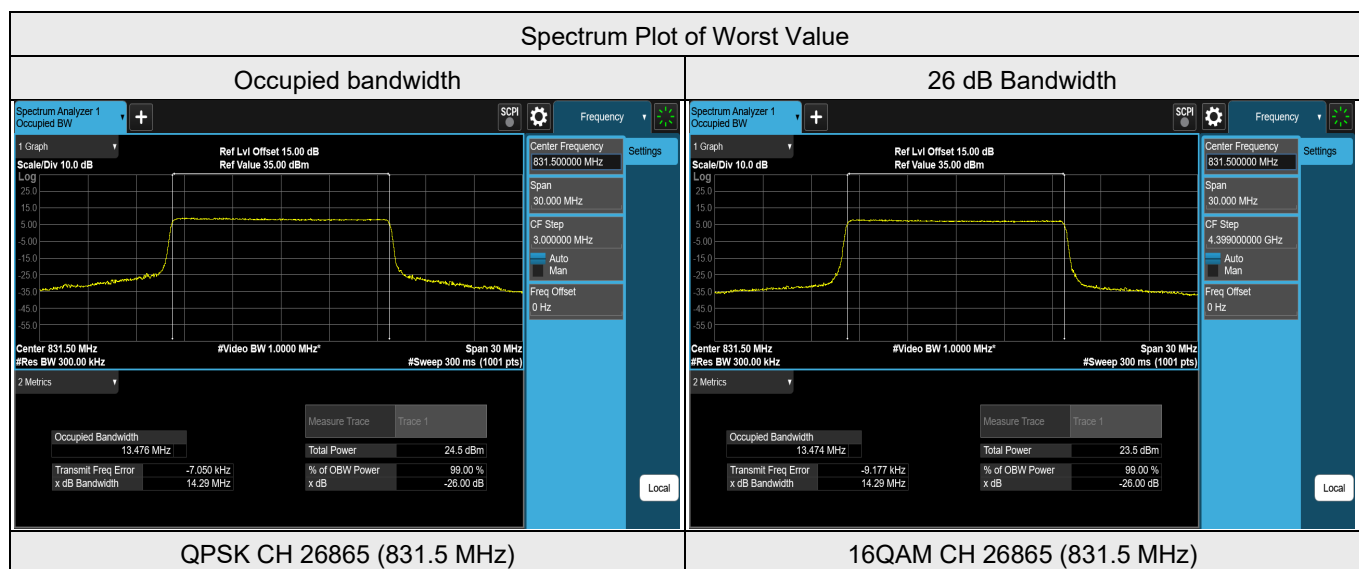
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26840	829	8.9814	9.571
QPSK	26915	836.5	8.9862	9.561
QPSK	26990	844	8.9774	9.561
16QAM	26840	829	8.9814	9.577
16QAM	26915	836.5	8.9786	9.577
16QAM	26990	844	8.9760	9.564
64QAM	26840	829	8.9805	9.554
64QAM	26915	836.5	8.9812	9.547
64QAM	26990	844	8.9770	9.555
256QAM	26840	829	8.9750	9.551
256QAM	26915	836.5	8.9757	9.552
256QAM	26990	844	8.9654	9.525



LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

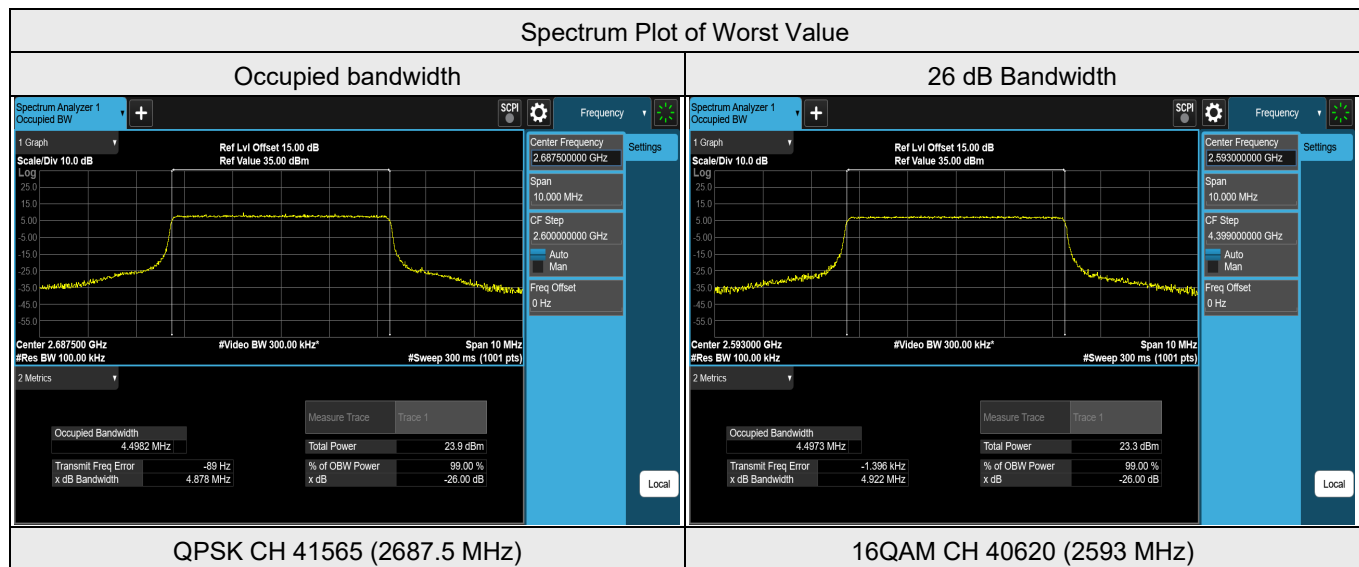
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26865	831.5	13.4757	14.286
QPSK	26915	836.5	13.4751	14.274
QPSK	26965	841.5	13.4555	14.240
16QAM	26865	831.5	13.4744	14.292
16QAM	26915	836.5	13.4677	14.292
16QAM	26965	841.5	13.4511	14.259
64QAM	26865	831.5	13.4689	14.268
64QAM	26915	836.5	13.4687	14.266
64QAM	26965	841.5	13.4543	14.259
256QAM	26865	831.5	13.4694	14.274
256QAM	26915	836.5	13.4749	14.274
256QAM	26965	841.5	13.4529	14.259



7.4.17LTE Band 41

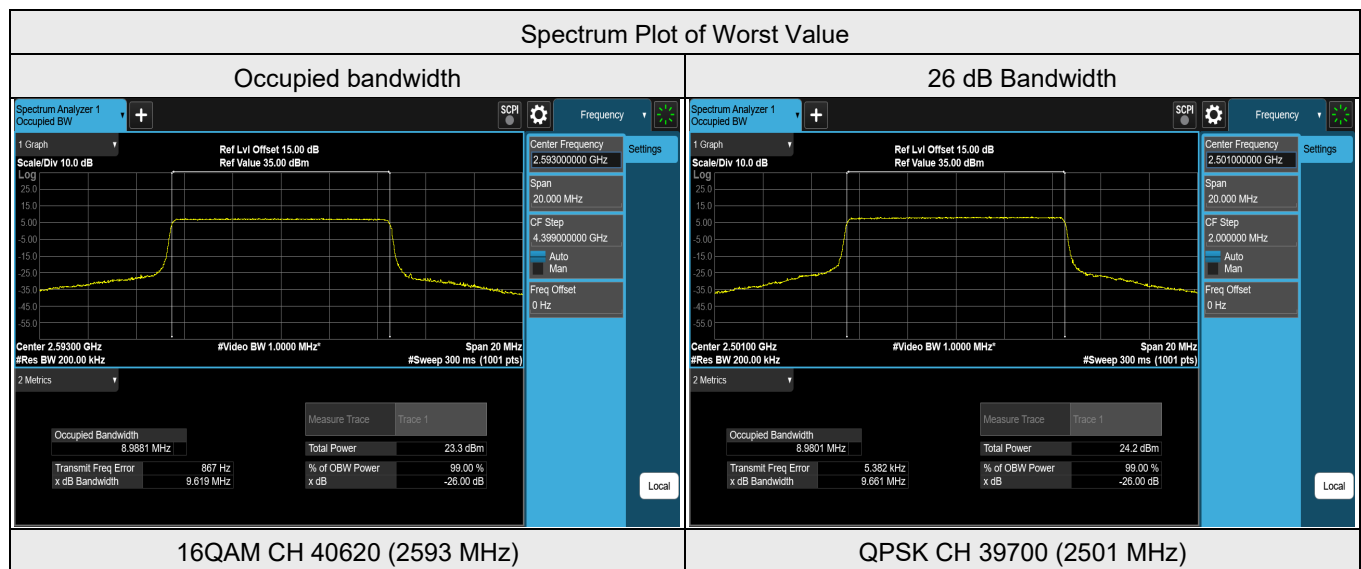
LTE Band 41, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39675	2498.5	4.4900	4.852
QPSK	40620	2593	4.4891	4.874
QPSK	41565	2687.5	4.4982	4.878
16QAM	39675	2498.5	4.4937	4.886
16QAM	40620	2593	4.4973	4.922
16QAM	41565	2687.5	4.4911	4.873
64QAM	39675	2498.5	4.4855	4.858
64QAM	40620	2593	4.4868	4.889
64QAM	41565	2687.5	4.4927	4.870
256QAM	39675	2498.5	4.4918	4.850
256QAM	40620	2593	4.4929	4.894
256QAM	41565	2687.5	4.4933	4.874



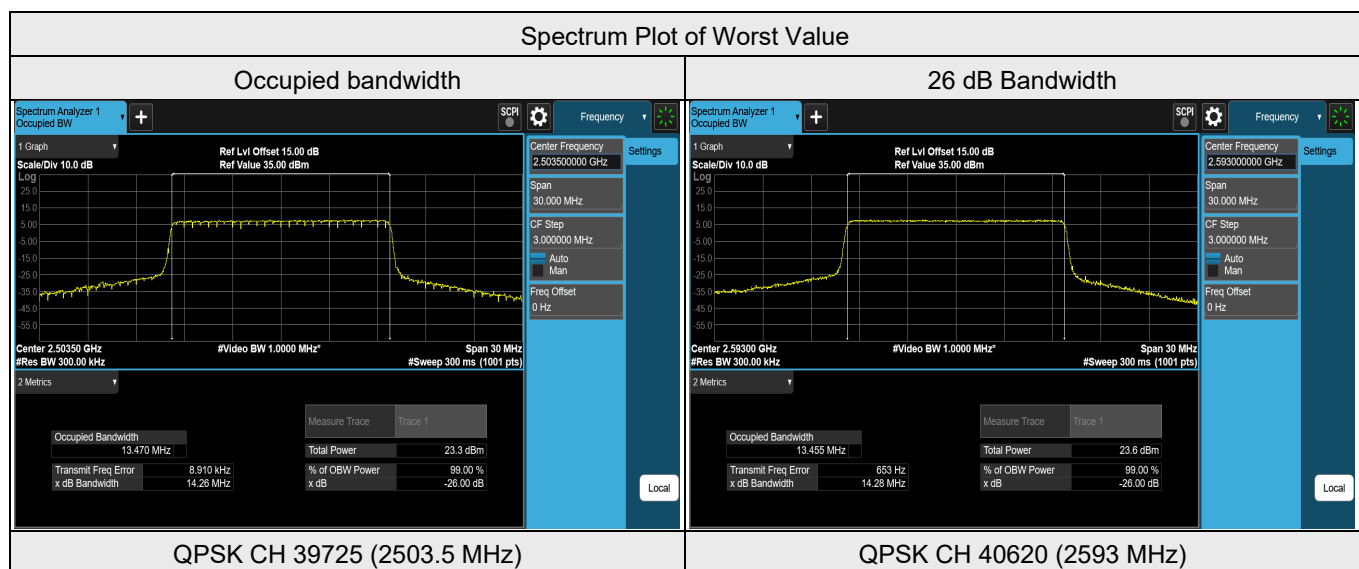
LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39700	2501	8.9801	9.661
QPSK	40620	2593	8.9835	9.562
QPSK	41540	2685	8.9737	9.545
16QAM	39700	2501	8.9735	9.580
16QAM	40620	2593	8.9881	9.619
16QAM	41540	2685	8.9737	9.546
64QAM	39700	2501	8.9716	9.543
64QAM	40620	2593	8.9777	9.605
64QAM	41540	2685	8.9669	9.544
256QAM	39700	2501	8.9784	9.514
256QAM	40620	2593	8.9794	9.565
256QAM	41540	2685	8.9633	9.546



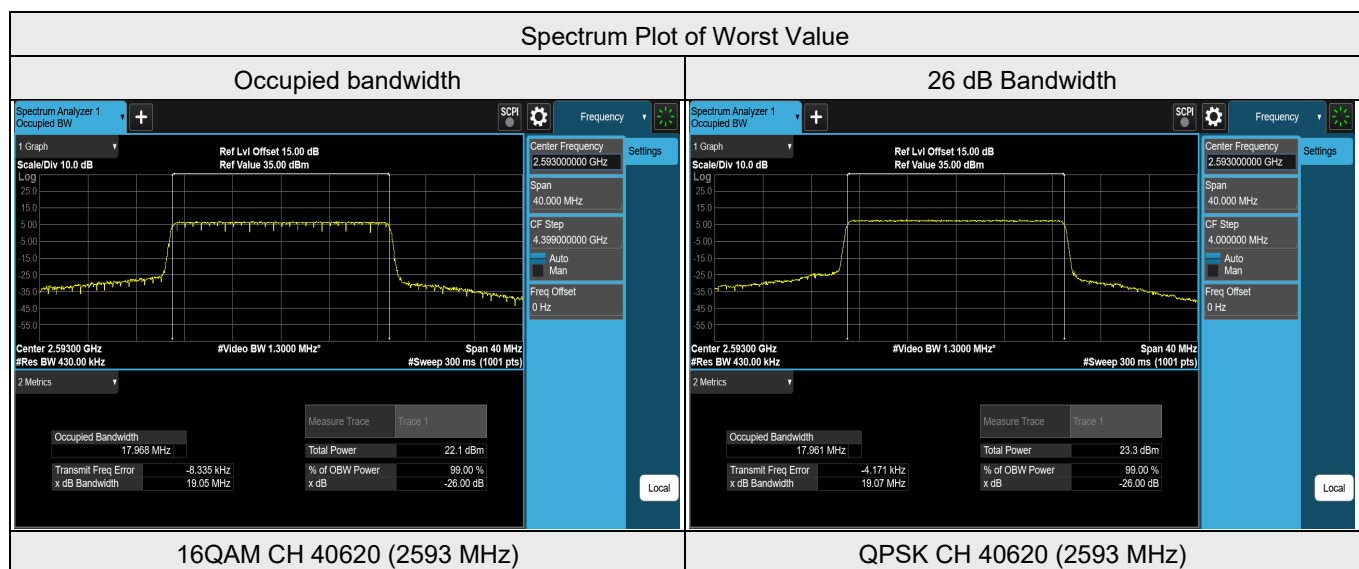
LTE Band 41, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39725	2503.5	13.4704	14.256
QPSK	40620	2593	13.4553	14.279
QPSK	41515	2682.5	13.4595	14.263
16QAM	39725	2503.5	13.4601	14.228
16QAM	40620	2593	13.4697	14.257
16QAM	41515	2682.5	13.4576	14.269
64QAM	39725	2503.5	13.4437	14.247
64QAM	40620	2593	13.4599	14.278
64QAM	41515	2682.5	13.4517	14.262
256QAM	39725	2503.5	13.4553	14.271
256QAM	40620	2593	13.4604	14.246
256QAM	41515	2682.5	13.4606	14.272



LTE Band 41, Channel Bandwidth: 20 MHz

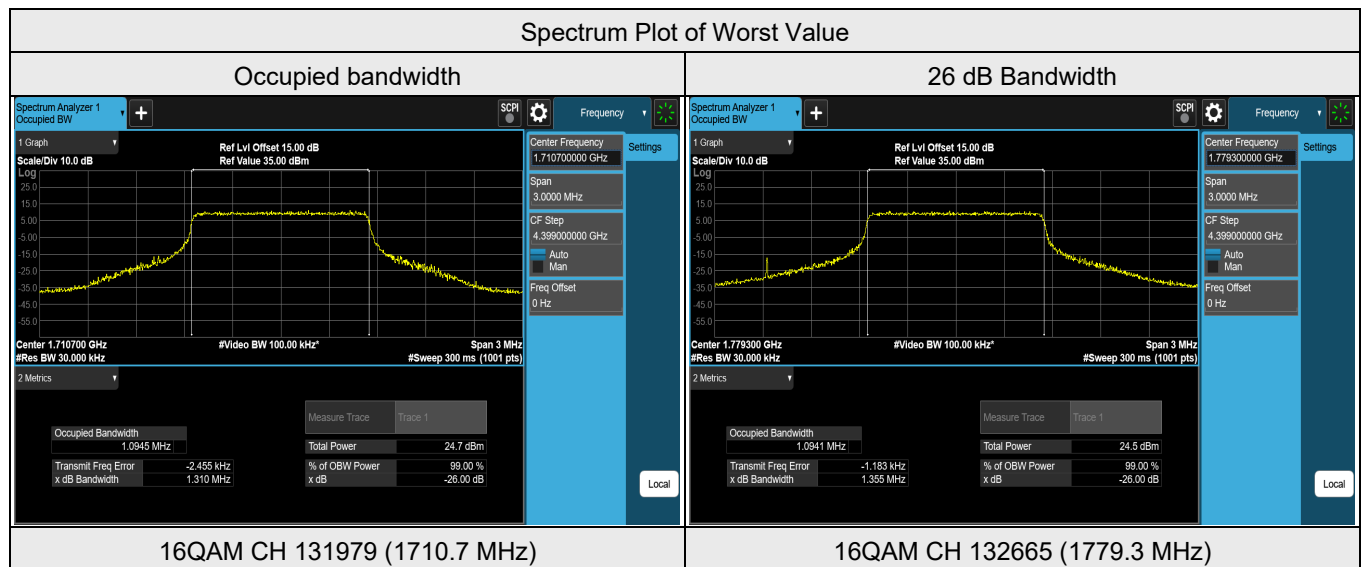
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39750	2506	17.9556	19.056
QPSK	40620	2593	17.9607	19.072
QPSK	41490	2680	17.9613	19.032
16QAM	39750	2506	17.9485	19.067
16QAM	40620	2593	17.9683	19.051
16QAM	41490	2680	17.9556	19.037
64QAM	39750	2506	17.9506	19.046
64QAM	40620	2593	17.9601	19.040
64QAM	41490	2680	17.9542	19.026
256QAM	39750	2506	17.9454	19.039
256QAM	40620	2593	17.9590	19.046
256QAM	41490	2680	17.9639	19.058



7.4.18LTE Band 66

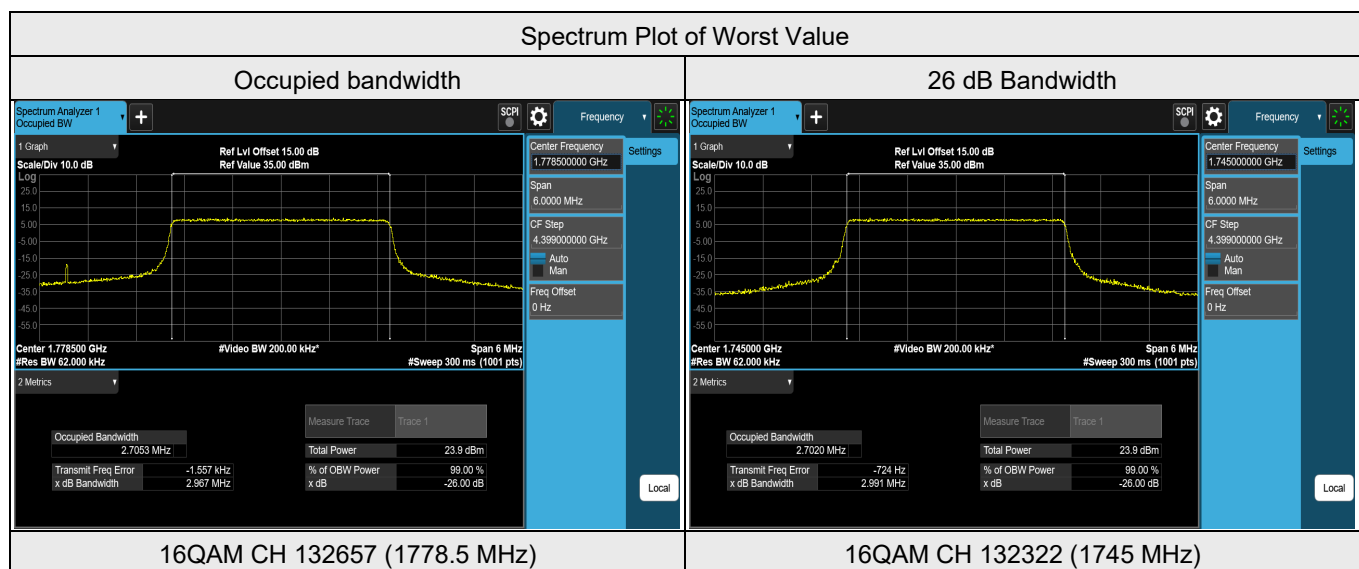
LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131979	1710.7	1.0900	1.342
QPSK	132322	1745	1.0931	1.306
QPSK	132665	1779.3	1.0889	1.347
16QAM	131979	1710.7	1.0945	1.310
16QAM	132322	1745	1.0927	1.330
16QAM	132665	1779.3	1.0941	1.355
64QAM	131979	1710.7	1.0913	1.332
64QAM	132322	1745	1.0927	1.327
64QAM	132665	1779.3	1.0924	1.325
256QAM	131979	1710.7	1.0913	1.306
256QAM	132322	1745	1.0905	1.311
256QAM	132665	1779.3	1.0894	1.302



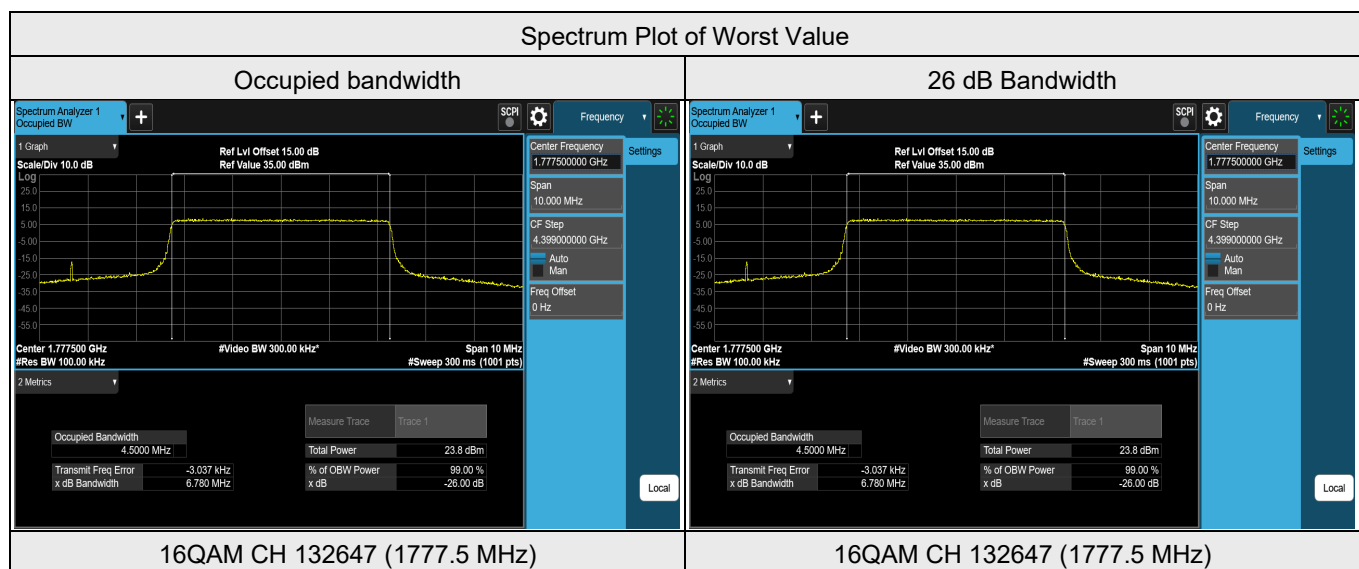
LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131987	1711.5	2.7020	2.947
QPSK	132322	1745	2.6976	2.956
QPSK	132657	1778.5	2.7046	2.974
16QAM	131987	1711.5	2.6988	2.941
16QAM	132322	1745	2.7020	2.991
16QAM	132657	1778.5	2.7053	2.967
64QAM	131987	1711.5	2.7007	2.959
64QAM	132322	1745	2.6999	2.952
64QAM	132657	1778.5	2.7041	2.931
256QAM	131987	1711.5	2.6995	2.910
256QAM	132322	1745	2.7004	2.948
256QAM	132657	1778.5	2.7023	2.948



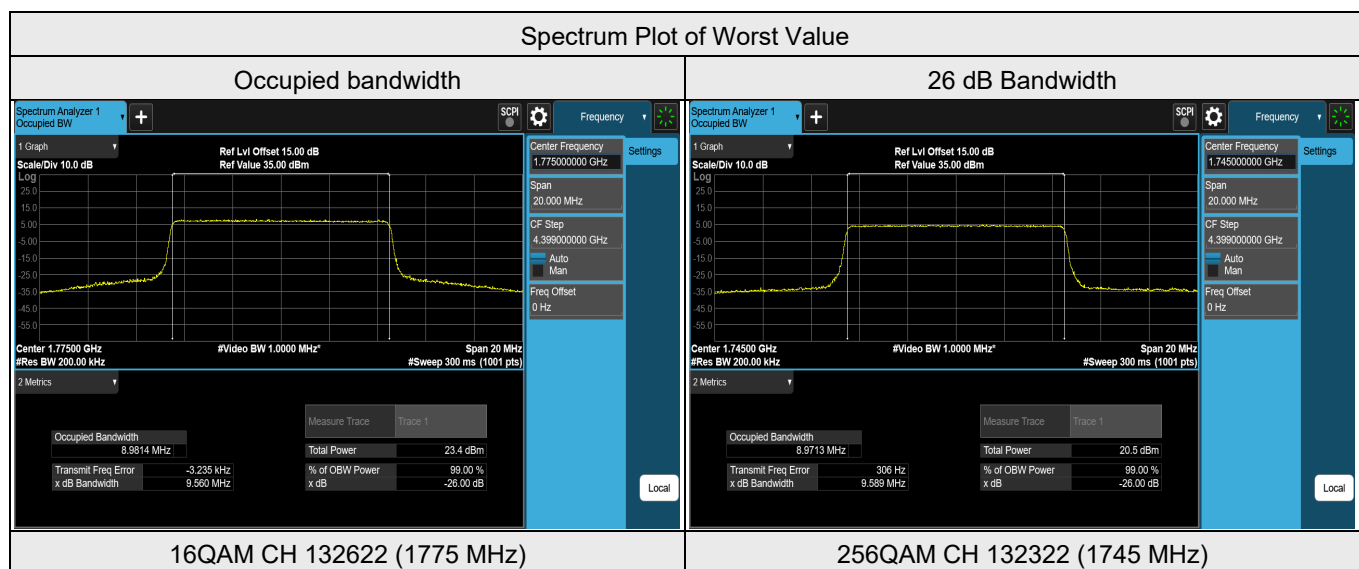
LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131997	1712.5	4.4983	4.925
QPSK	132322	1745	4.4941	4.859
QPSK	132647	1777.5	4.4965	4.904
16QAM	131997	1712.5	4.4933	4.902
16QAM	132322	1745	4.4933	4.883
16QAM	132647	1777.5	4.5000	6.780
64QAM	131997	1712.5	4.4937	4.884
64QAM	132322	1745	4.4932	4.848
64QAM	132647	1777.5	4.4941	4.855
256QAM	131997	1712.5	4.4903	4.888
256QAM	132322	1745	4.4978	4.895
256QAM	132647	1777.5	4.4946	4.828



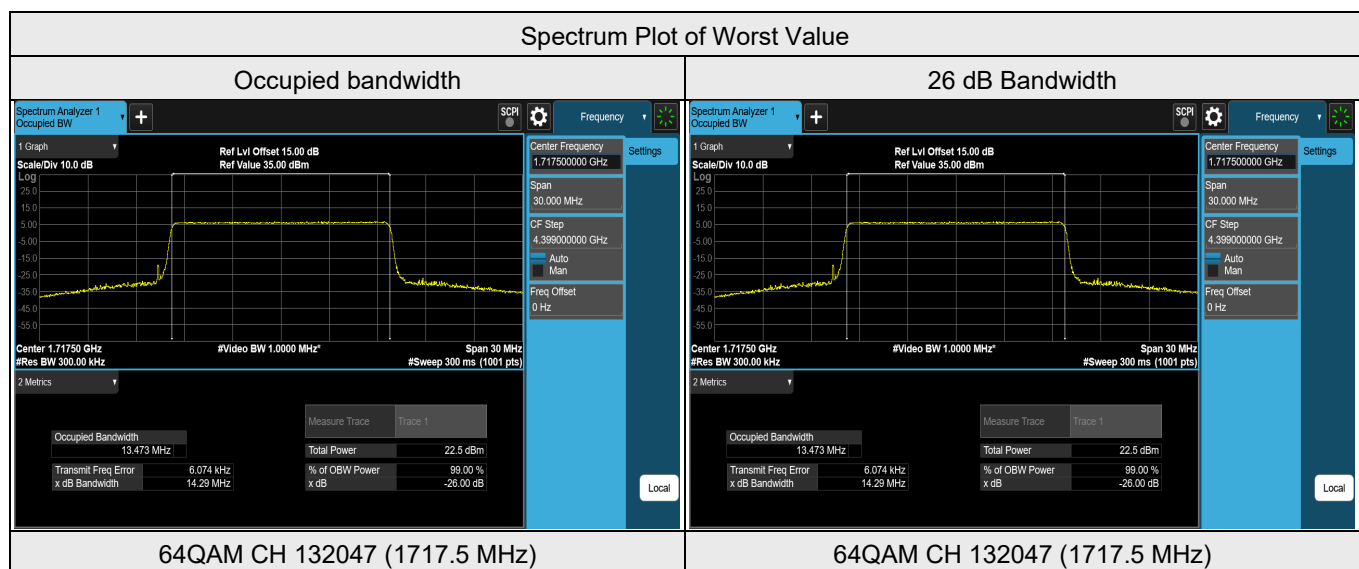
LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132022	1715	8.9806	9.579
QPSK	132322	1745	8.9789	9.565
QPSK	132622	1775	8.9774	9.566
16QAM	132022	1715	8.9760	9.561
16QAM	132322	1745	8.9760	9.548
16QAM	132622	1775	8.9814	9.560
64QAM	132022	1715	8.9737	9.569
64QAM	132322	1745	8.9790	9.575
64QAM	132622	1775	8.9721	9.524
256QAM	132022	1715	8.9732	9.469
256QAM	132322	1745	8.9713	9.589
256QAM	132622	1775	8.9799	9.568



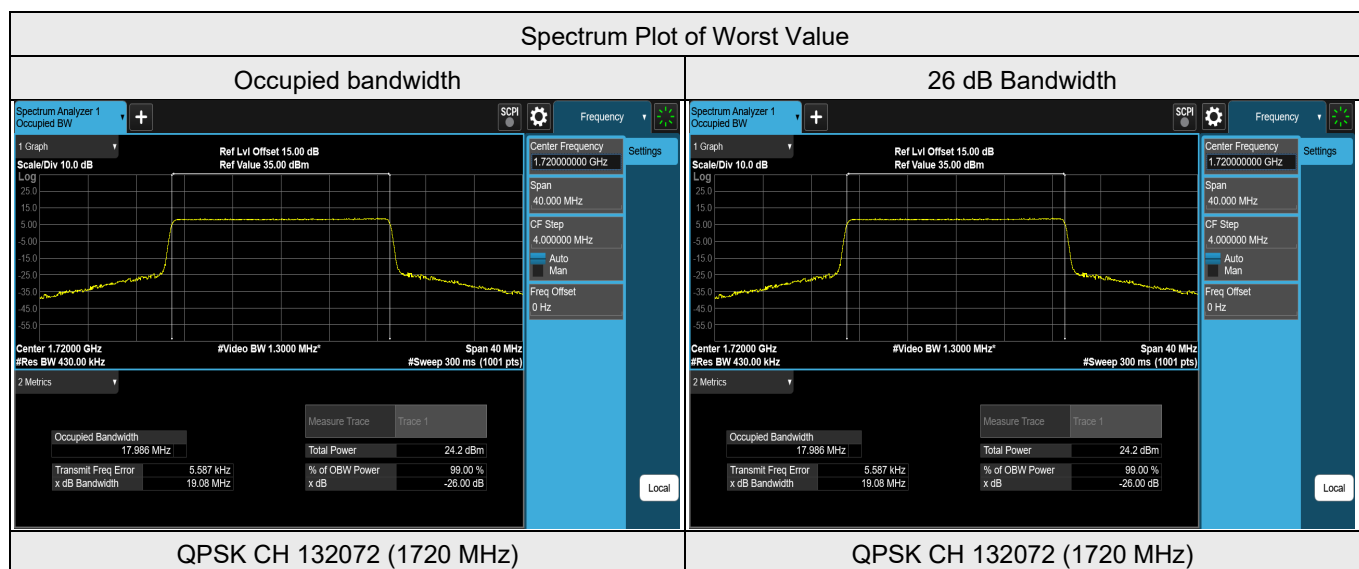
LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132047	1717.5	13.4656	14.264
QPSK	132322	1745	13.4699	14.268
QPSK	132597	1772.5	13.4723	14.285
16QAM	132047	1717.5	13.4704	14.273
16QAM	132322	1745	13.4682	14.266
16QAM	132597	1772.5	13.4670	14.248
64QAM	132047	1717.5	13.4730	14.291
64QAM	132322	1745	13.4654	14.240
64QAM	132597	1772.5	13.4711	14.255
256QAM	132047	1717.5	13.4716	14.287
256QAM	132322	1745	13.4685	14.269
256QAM	132597	1772.5	13.4720	14.289



LTE Band 66, Channel Bandwidth: 20 MHz

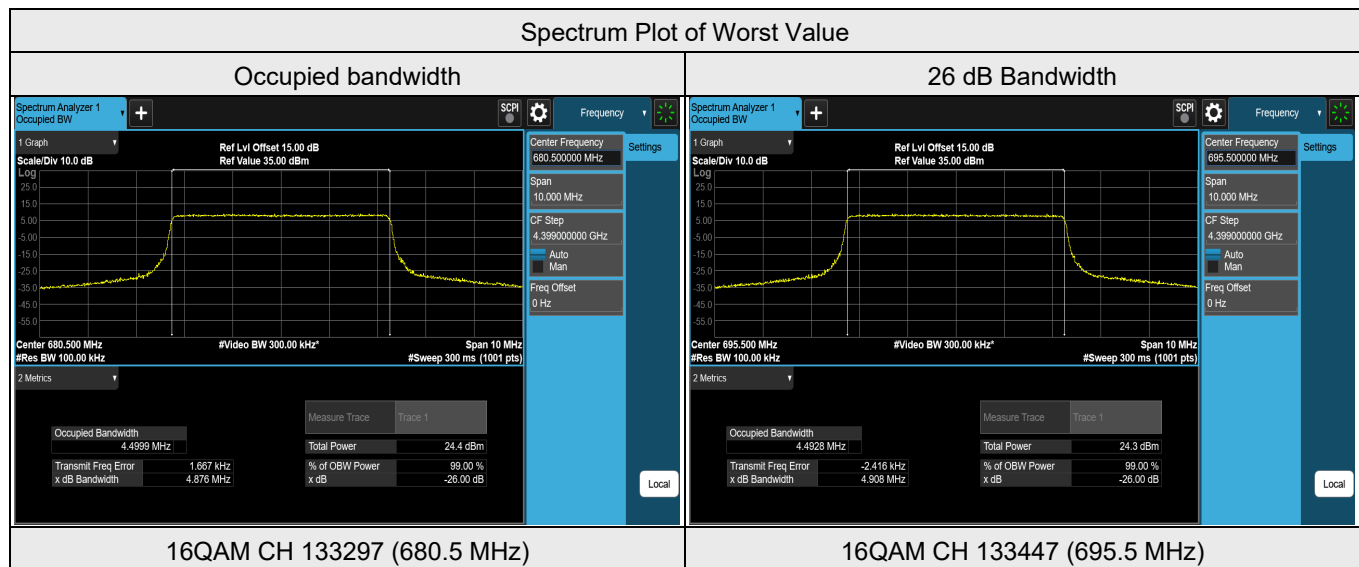
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132072	1720	17.9859	19.077
QPSK	132322	1745	17.9628	19.077
QPSK	132572	1770	17.9639	19.064
16QAM	132072	1720	17.9801	19.065
16QAM	132322	1745	17.9628	19.071
16QAM	132572	1770	17.9614	19.072
64QAM	132072	1720	17.9760	19.011
64QAM	132322	1745	17.9668	19.056
64QAM	132572	1770	17.9595	19.046
256QAM	132072	1720	17.9796	19.036
256QAM	132322	1745	17.9574	18.996
256QAM	132572	1770	17.9627	19.027



7.4.19LTE Band 71

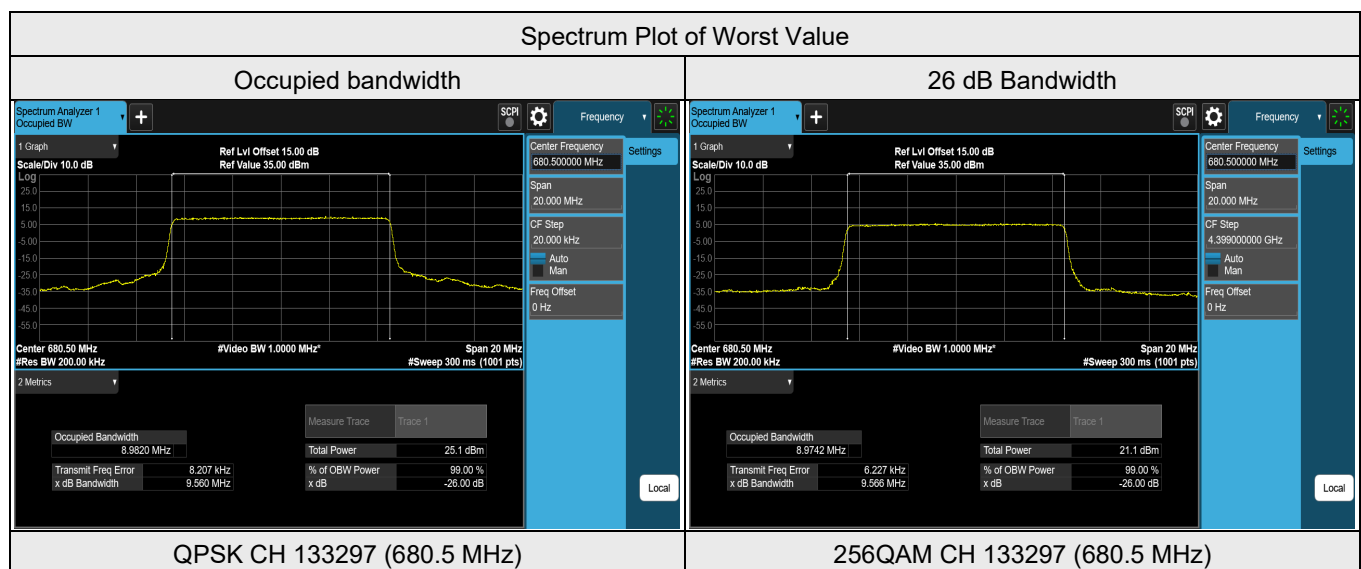
LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133147	665.5	4.4935	4.899
QPSK	133297	680.5	4.4945	4.869
QPSK	133447	695.5	4.4964	4.893
16QAM	133147	665.5	4.4958	4.841
16QAM	133297	680.5	4.4999	4.876
16QAM	133447	695.5	4.4928	4.908
64QAM	133147	665.5	4.4942	4.902
64QAM	133297	680.5	4.4969	4.881
64QAM	133447	695.5	4.4913	4.908
256QAM	133147	665.5	4.4942	4.862
256QAM	133297	680.5	4.4973	4.846
256QAM	133447	695.5	4.4950	4.871



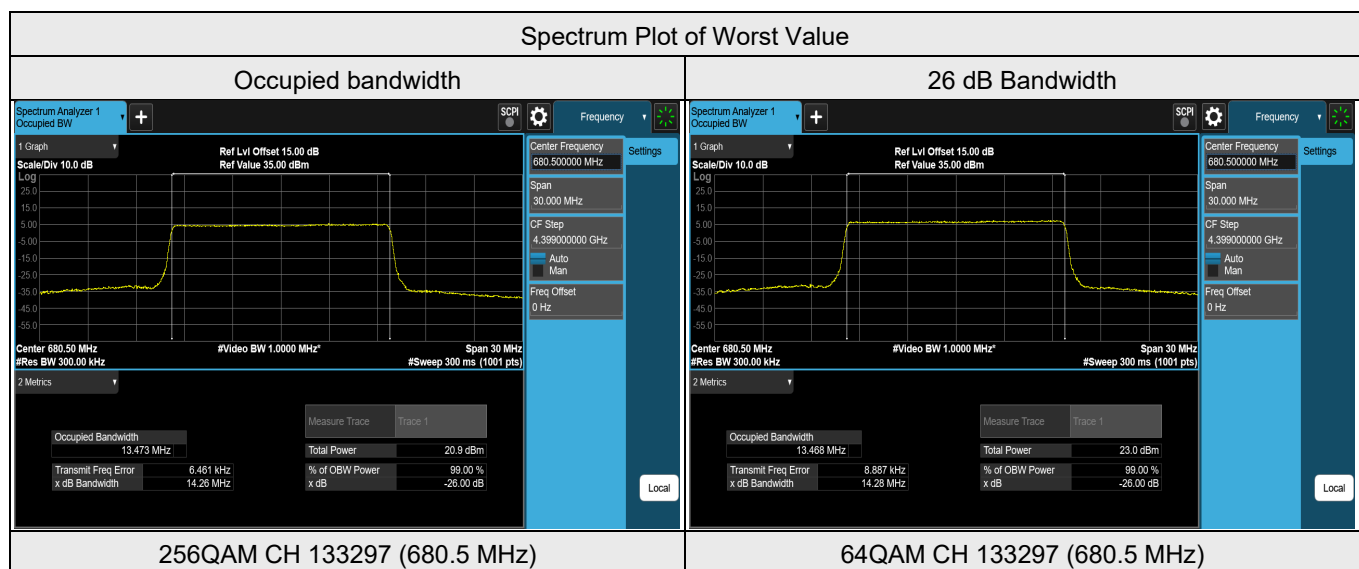
LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133172	668	8.9437	9.526
QPSK	133297	680.5	8.9820	9.560
QPSK	133422	693	8.9777	9.545
16QAM	133172	668	8.9414	9.524
16QAM	133297	680.5	8.9780	9.549
16QAM	133422	693	8.9781	9.553
64QAM	133172	668	8.9493	9.525
64QAM	133297	680.5	8.9753	9.537
64QAM	133422	693	8.9778	9.551
256QAM	133172	668	8.9424	9.513
256QAM	133297	680.5	8.9742	9.566
256QAM	133422	693	8.9722	9.554



LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133197	670.5	13.4150	14.243
QPSK	133297	680.5	13.4648	14.272
QPSK	133397	690.5	13.4501	14.274
16QAM	133197	670.5	13.4132	14.227
16QAM	133297	680.5	13.4714	14.267
16QAM	133397	690.5	13.4556	14.269
64QAM	133197	670.5	13.4105	14.228
64QAM	133297	680.5	13.4685	14.279
64QAM	133397	690.5	13.4516	14.259
256QAM	133197	670.5	13.4194	14.227
256QAM	133297	680.5	13.4725	14.256
256QAM	133397	690.5	13.4514	14.271



LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133222	673	17.9049	19.019
QPSK	133297	680.5	17.9776	19.063
QPSK	133372	688	17.9441	19.057
16QAM	133222	673	17.9090	19.018
16QAM	133297	680.5	17.9811	19.062
16QAM	133372	688	17.9427	19.041
64QAM	133222	673	17.8998	19.011
64QAM	133297	680.5	17.9811	19.068
64QAM	133372	688	17.9444	19.044
256QAM	133222	673	17.9059	19.000
256QAM	133297	680.5	17.9715	19.089
256QAM	133372	688	17.9384	19.058

