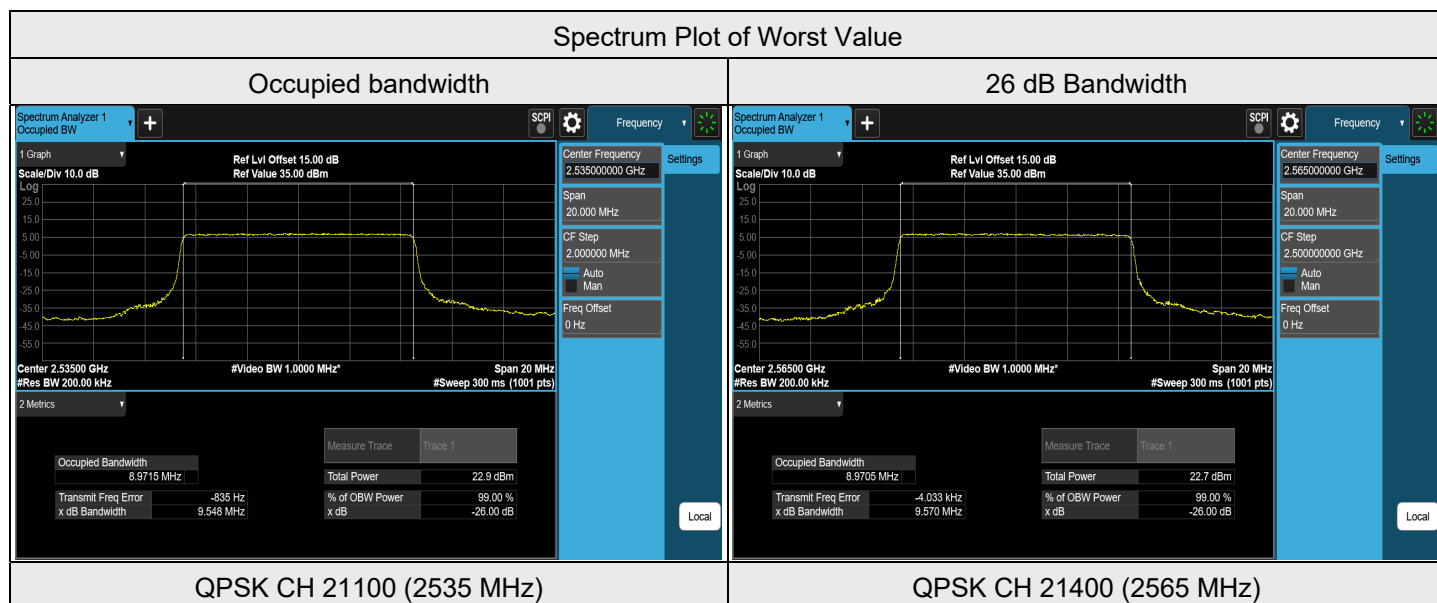


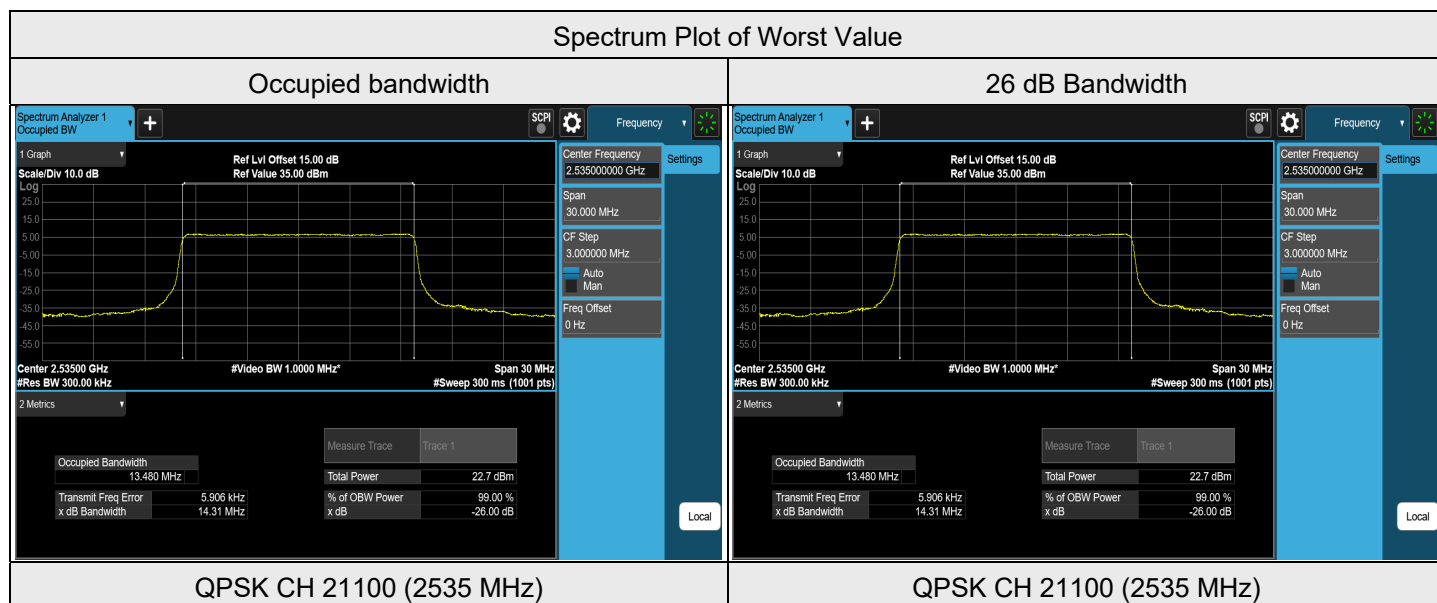
LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20800	2505	8.9696	9.546
QPSK	21100	2535	8.9715	9.548
QPSK	21400	2565	8.9705	9.570
16QAM	20800	2505	4.5668	5.071
16QAM	21100	2535	4.5682	5.084
16QAM	21400	2565	4.5725	5.091



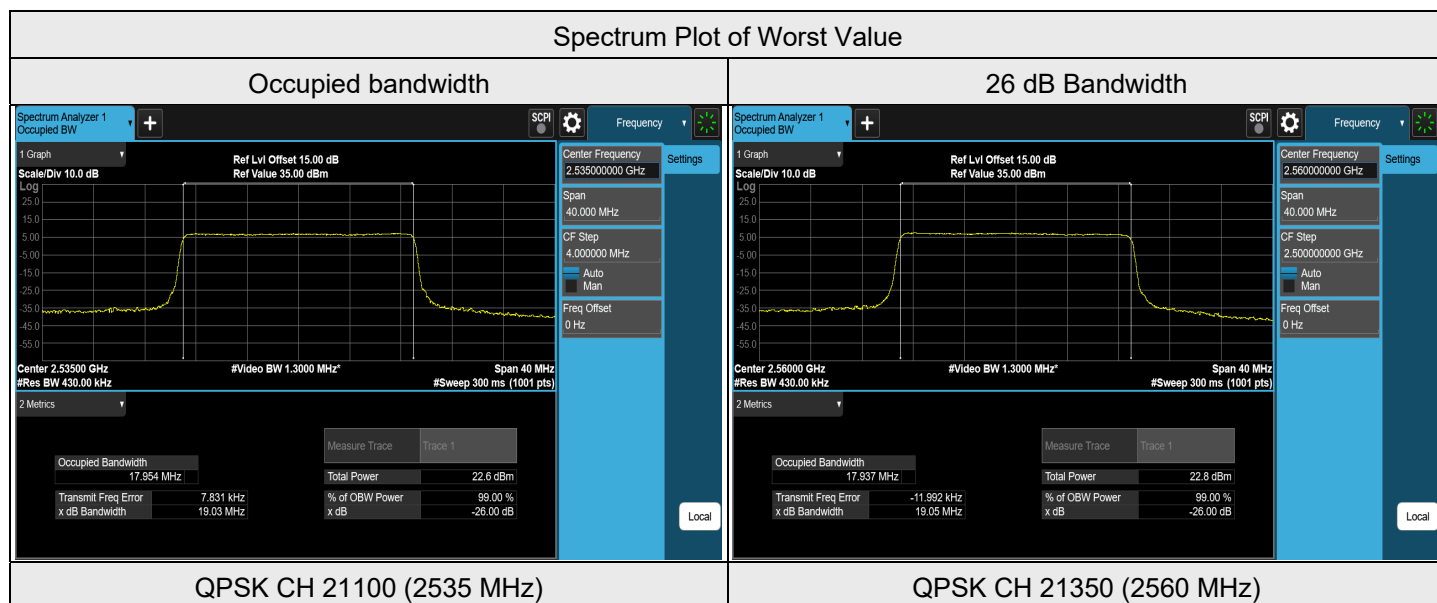
LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20825	2507.5	13.4543	14.291
QPSK	21100	2535	13.4800	14.312
QPSK	21375	2562.5	13.4786	14.289
16QAM	20825	2507.5	4.6779	5.298
16QAM	21100	2535	4.6784	5.280
16QAM	21375	2562.5	4.6858	5.283



LTE Band 7, Channel Bandwidth: 20 MHz

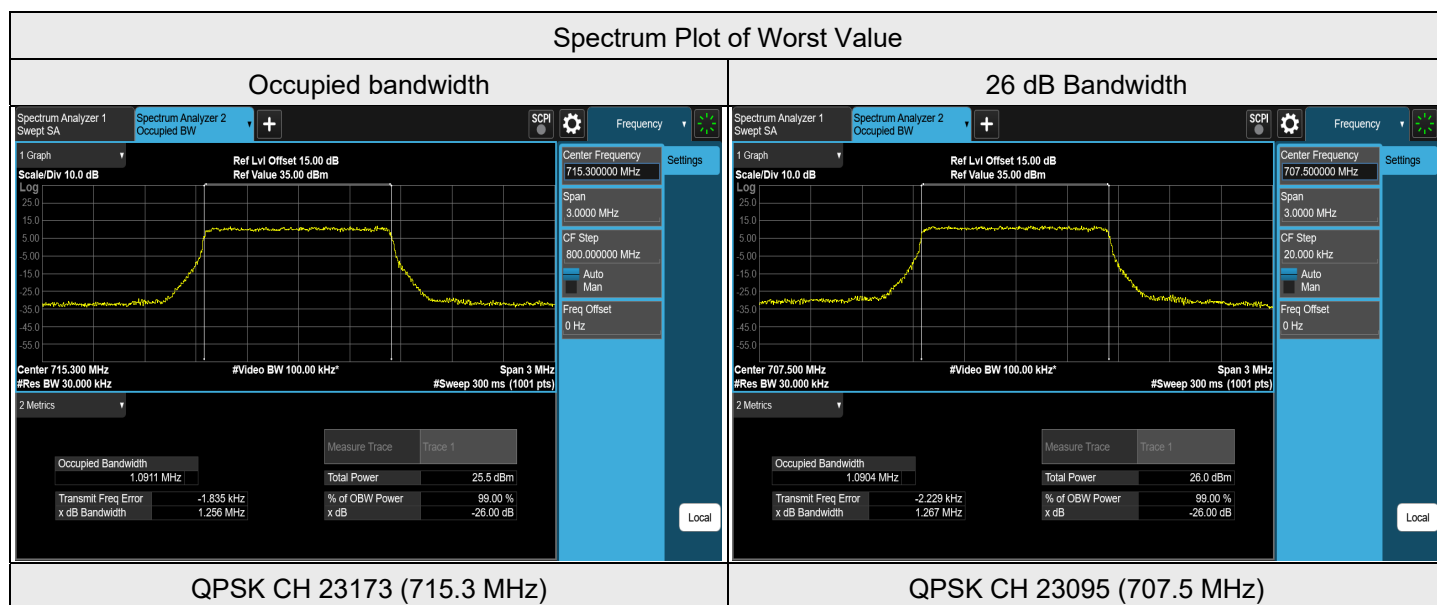
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20850	2510	17.9349	19.031
QPSK	21100	2535	17.9536	19.029
QPSK	21350	2560	17.9366	19.049
16QAM	20850	2510	4.7986	5.550
16QAM	21100	2535	4.8087	5.582
16QAM	21350	2560	4.7956	5.560



7.4.5 LTE Band 12

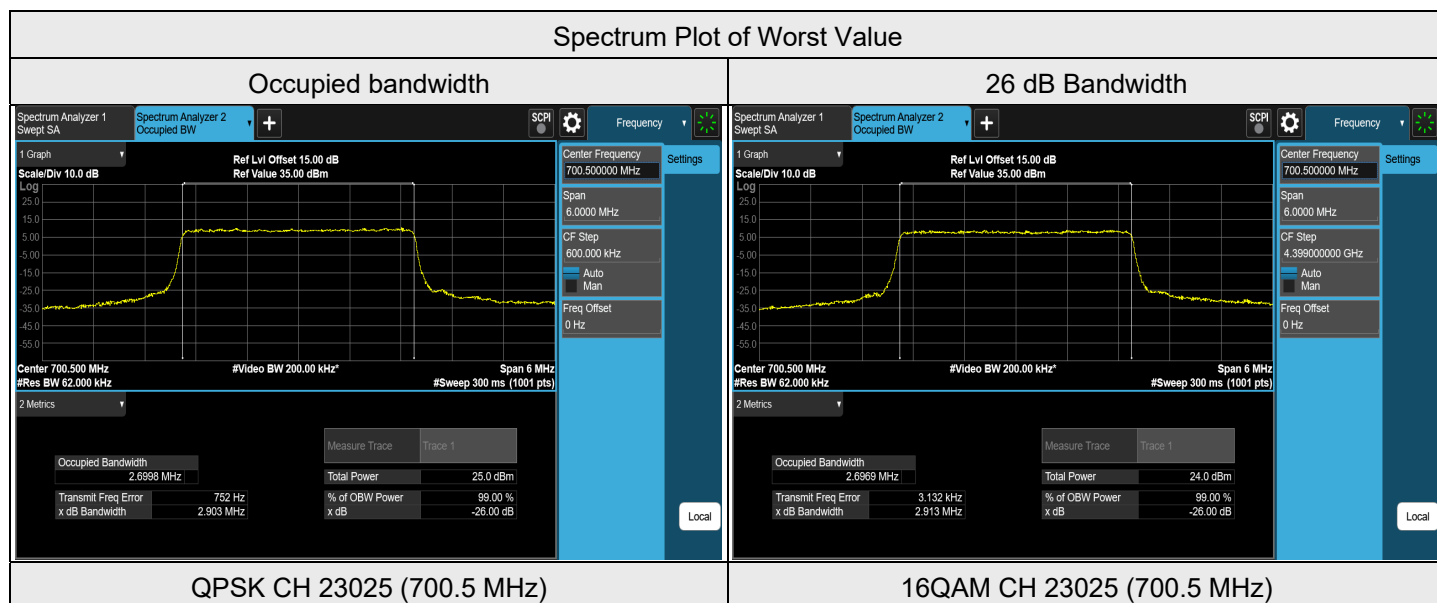
LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23017	699.7	1.0876	1.246
QPSK	23095	707.5	1.0904	1.267
QPSK	23173	715.3	1.0911	1.256
16QAM	23017	699.7	1.0896	1.263
16QAM	23095	707.5	1.0894	1.253
16QAM	23173	715.3	1.0893	1.267



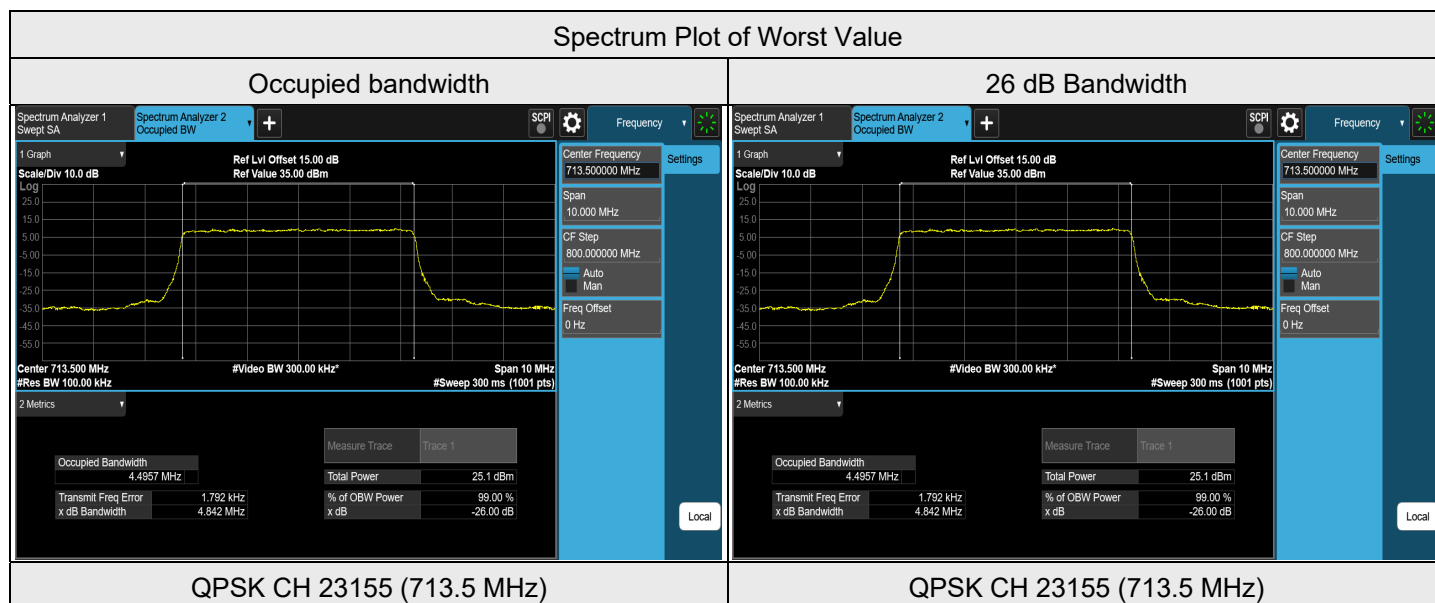
LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23025	700.5	2.6998	2.903
QPSK	23095	707.5	2.6937	2.897
QPSK	23165	714.5	2.6976	2.890
16QAM	23025	700.5	2.6969	2.913
16QAM	23095	707.5	2.6918	2.901
16QAM	23165	714.5	2.6966	2.913



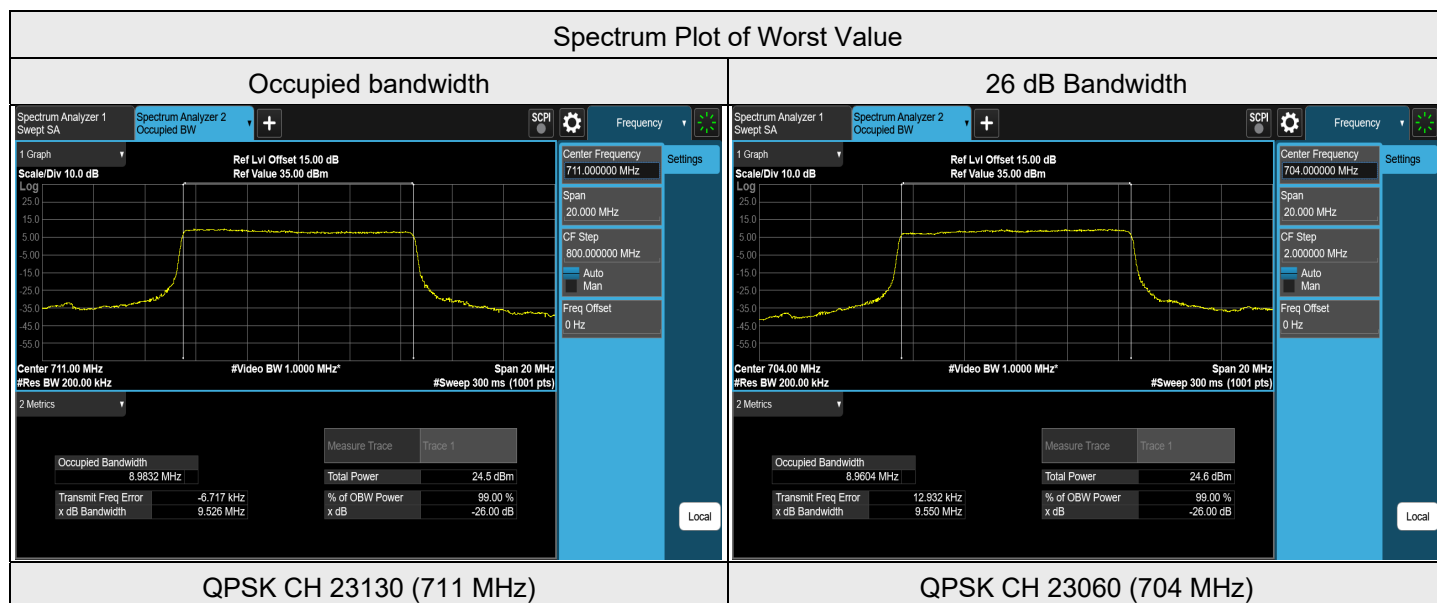
LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23035	701.5	4.4914	4.833
QPSK	23095	707.5	4.4815	4.807
QPSK	23155	713.5	4.4957	4.842
16QAM	23035	701.5	4.4874	4.804
16QAM	23095	707.5	4.4762	4.800
16QAM	23155	713.5	4.4884	4.821



LTE Band 12, Channel Bandwidth: 10 MHz

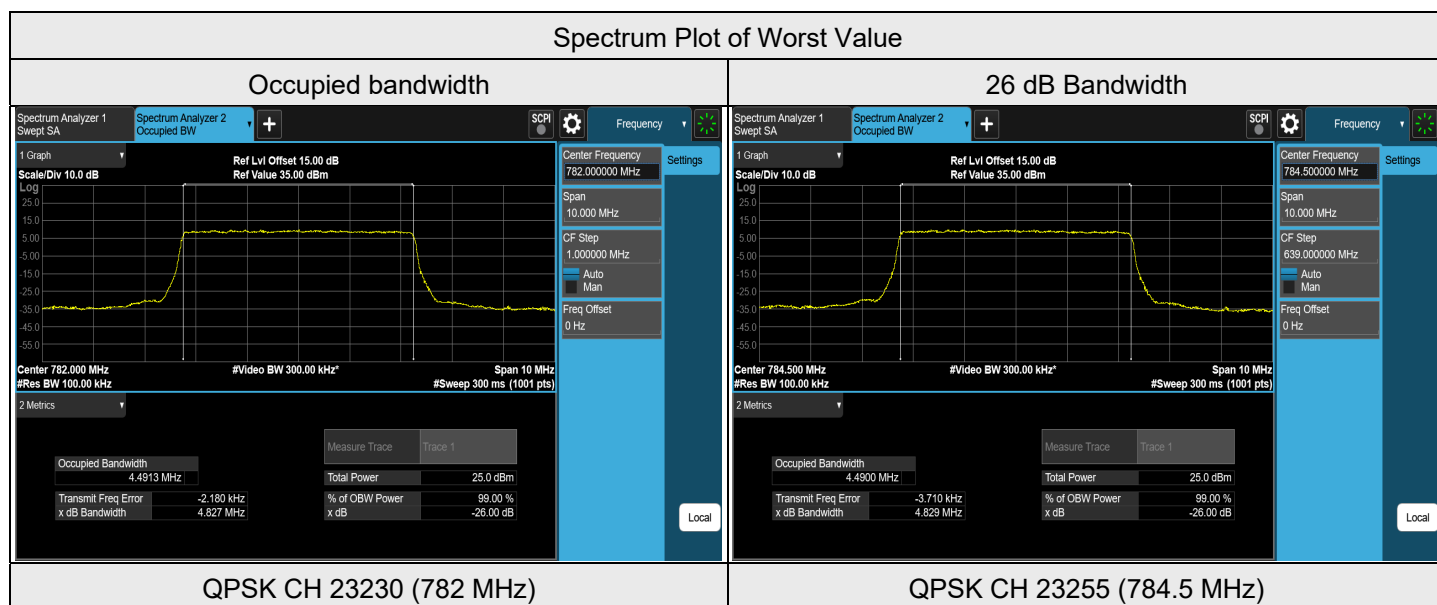
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	8.9604	9.550
QPSK	23095	707.5	8.9489	9.522
QPSK	23130	711	8.9832	9.526
16QAM	23060	704	4.5685	5.045
16QAM	23095	707.5	4.5786	5.067
16QAM	23130	711	4.5650	5.044



7.4.6 LTE Band 13

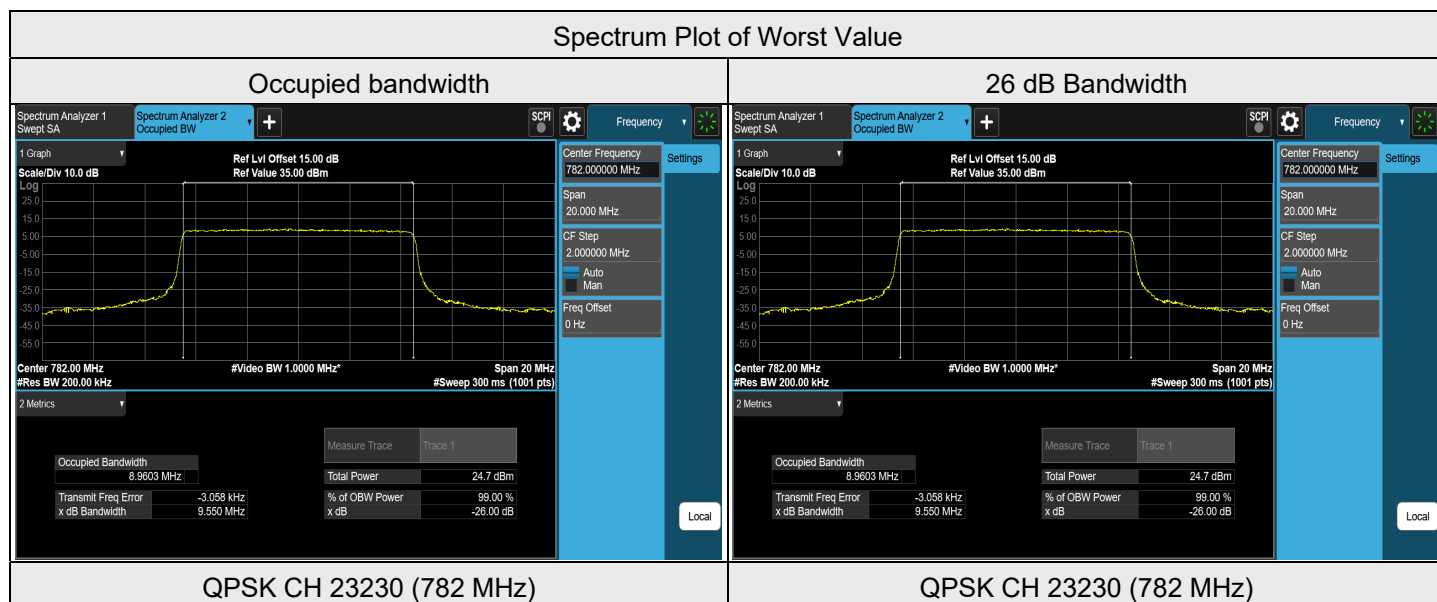
LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23205	779.5	4.4912	4.822
QPSK	23230	782	4.4913	4.827
QPSK	23255	784.5	4.4900	4.829
16QAM	23205	779.5	4.4848	4.800
16QAM	23230	782	4.4859	4.813
16QAM	23255	784.5	4.4853	4.813



LTE Band 13, Channel Bandwidth: 10 MHz

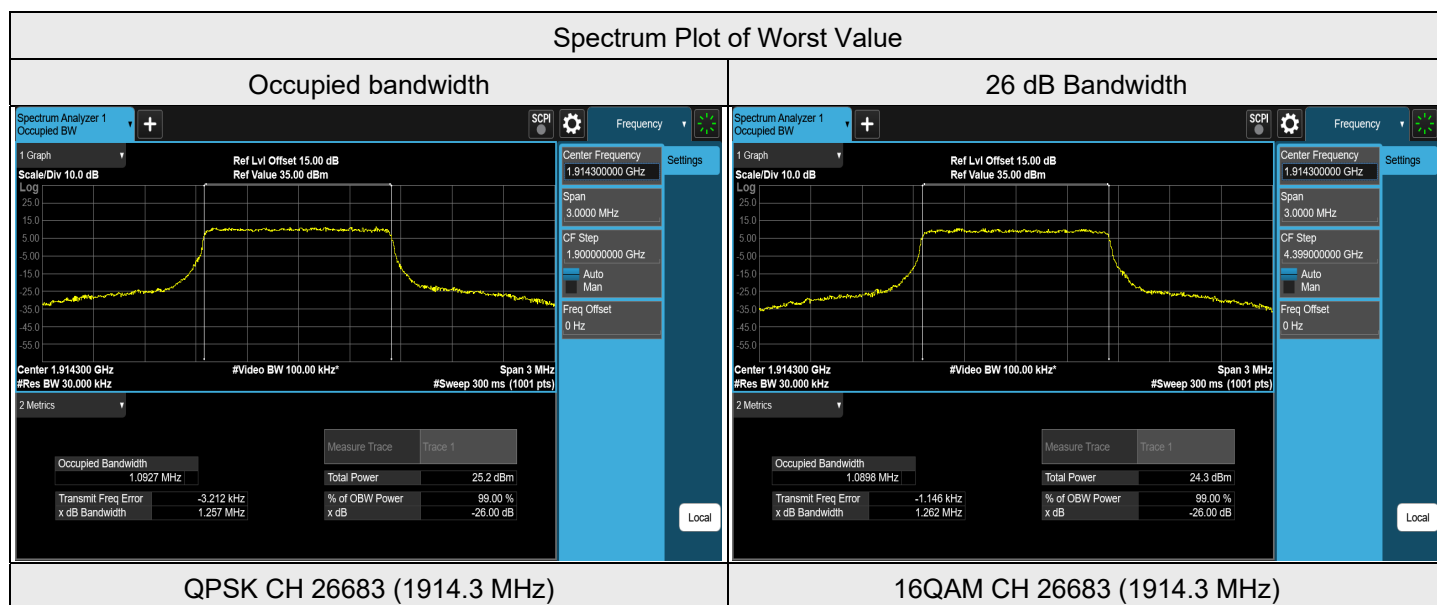
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23230	782	8.9603	9.550
16QAM	23230	782	4.5676	5.069



7.4.7 LTE Band 25

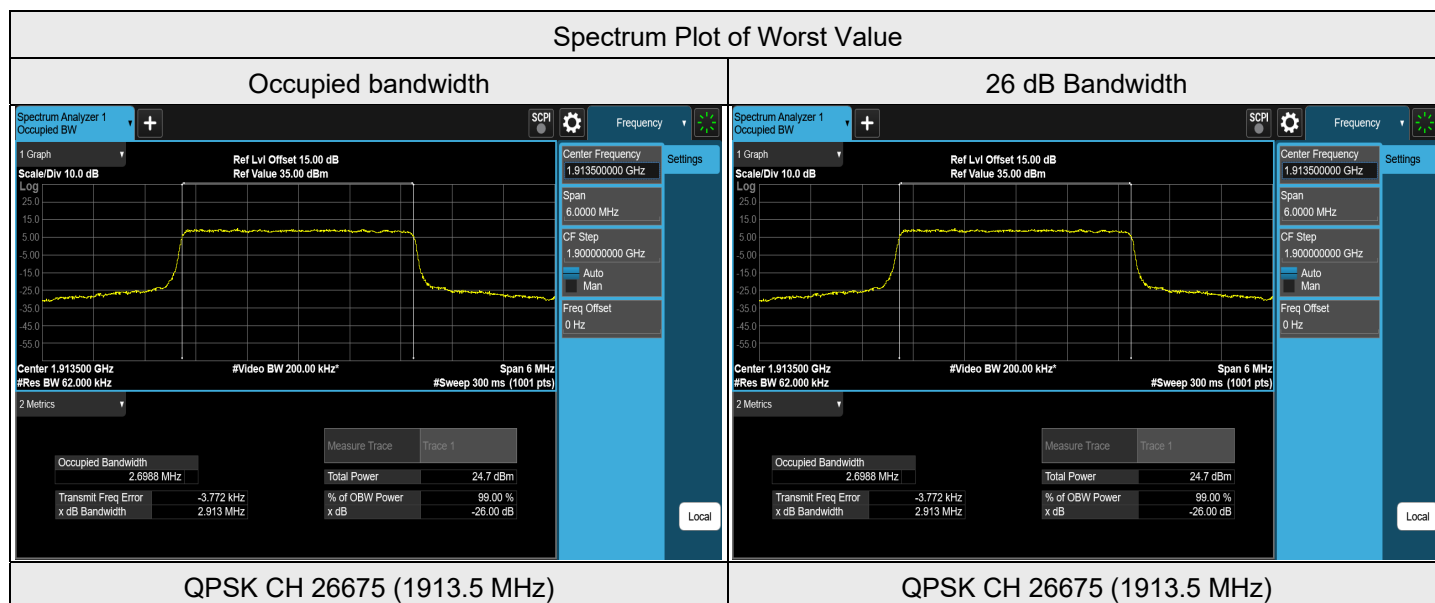
LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26047	1850.7	1.0892	1.254
QPSK	26365	1882.5	1.0925	1.256
QPSK	26683	1914.3	1.0927	1.257
16QAM	26047	1850.7	1.0874	1.246
16QAM	26365	1882.5	1.0886	1.246
16QAM	26683	1914.3	1.0898	1.262



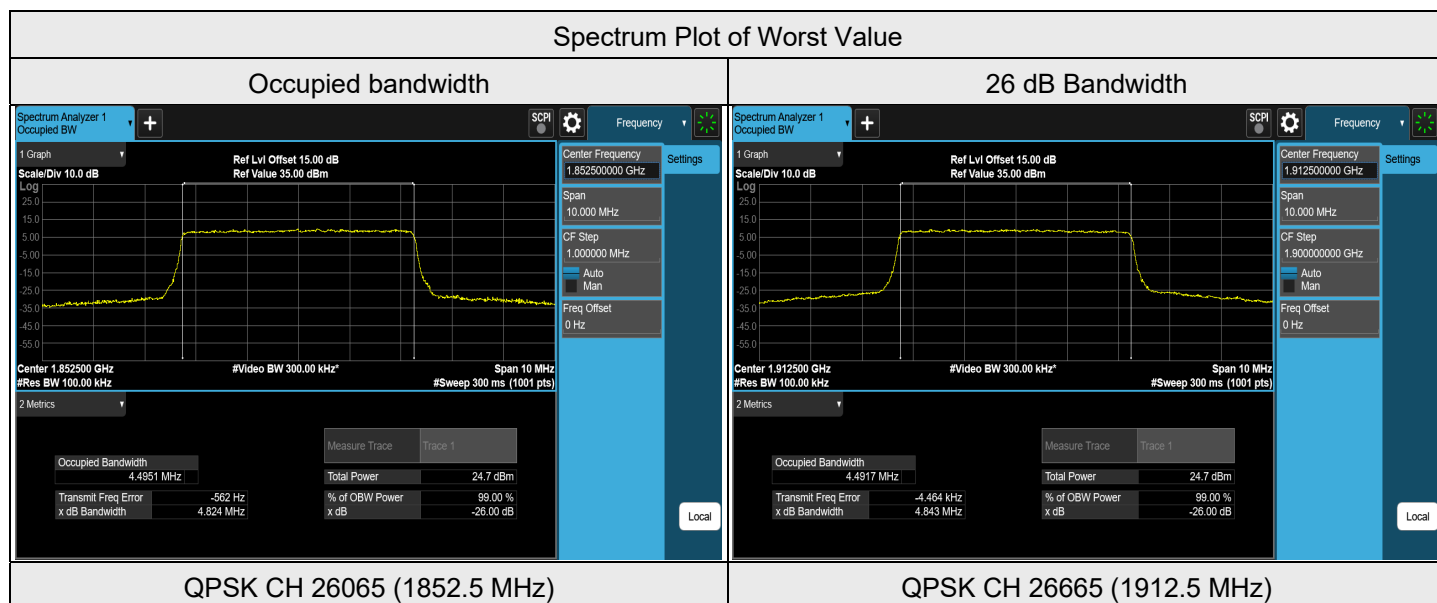
LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26055	1851.5	2.6987	2.900
QPSK	26365	1882.5	2.6967	2.896
QPSK	26675	1913.5	2.6988	2.913
16QAM	26055	1851.5	2.6949	2.904
16QAM	26365	1882.5	2.6967	2.907
16QAM	26675	1913.5	2.6943	2.905



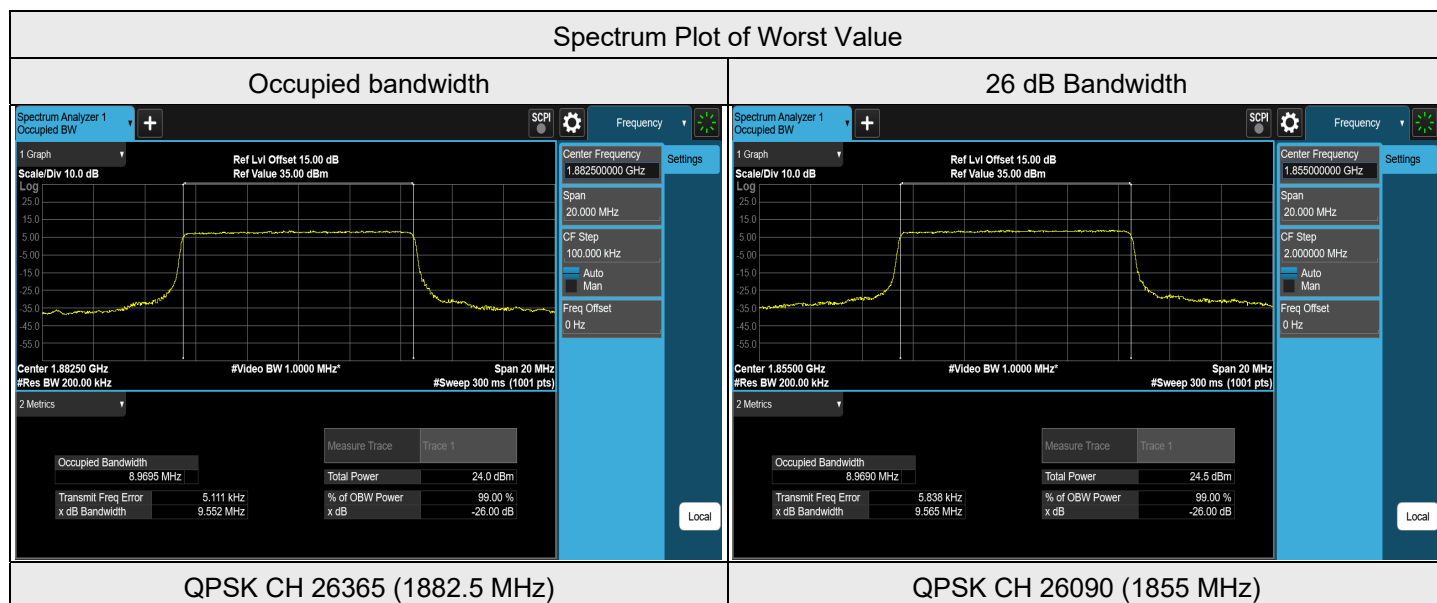
LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26065	1852.5	4.4951	4.824
QPSK	26365	1882.5	4.4915	4.836
QPSK	26665	1912.5	4.4917	4.843
16QAM	26065	1852.5	4.4884	4.811
16QAM	26365	1882.5	4.4870	4.817
16QAM	26665	1912.5	4.4877	4.811



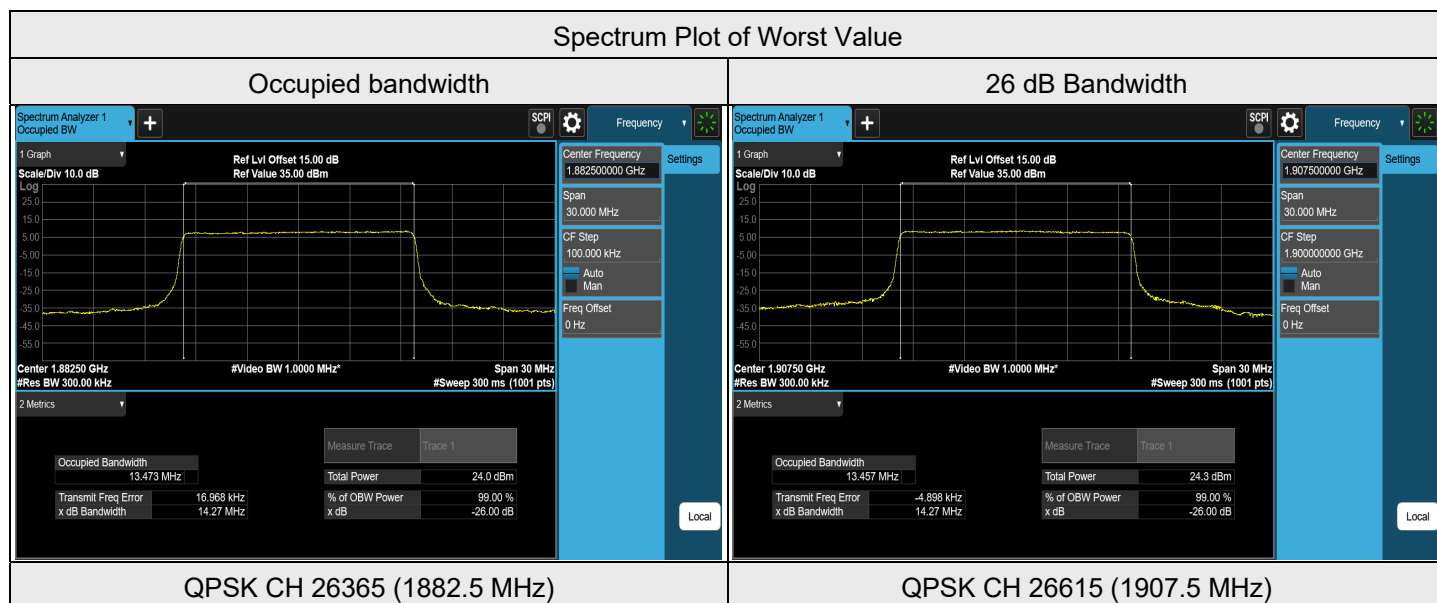
LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26090	1855	8.9690	9.565
QPSK	26365	1882.5	8.9695	9.552
QPSK	26640	1910	8.9628	9.551
16QAM	26090	1855	4.5703	5.076
16QAM	26365	1882.5	4.5749	5.071
16QAM	26640	1910	4.5660	5.077



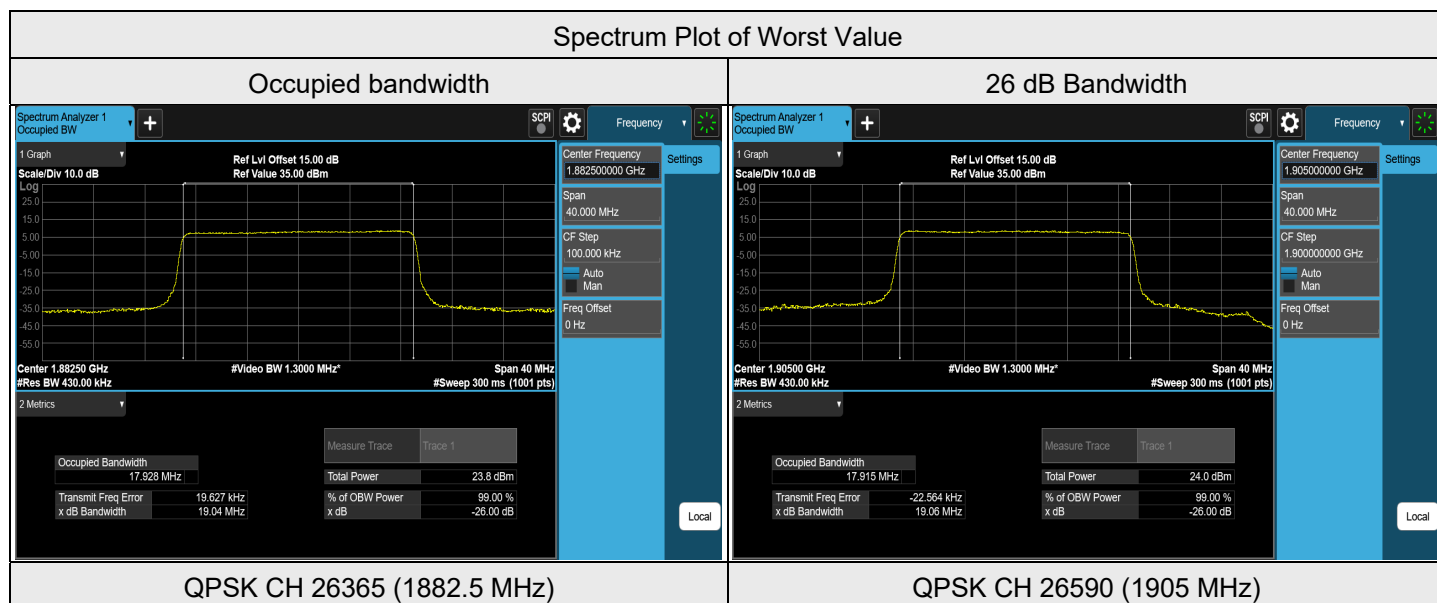
LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26115	1857.5	13.4561	14.264
QPSK	26365	1882.5	13.4725	14.267
QPSK	26615	1907.5	13.4573	14.269
16QAM	26115	1857.5	4.6813	5.291
16QAM	26365	1882.5	4.6843	5.293
16QAM	26615	1907.5	4.6824	5.271



LTE Band 25, Channel Bandwidth: 20 MHz

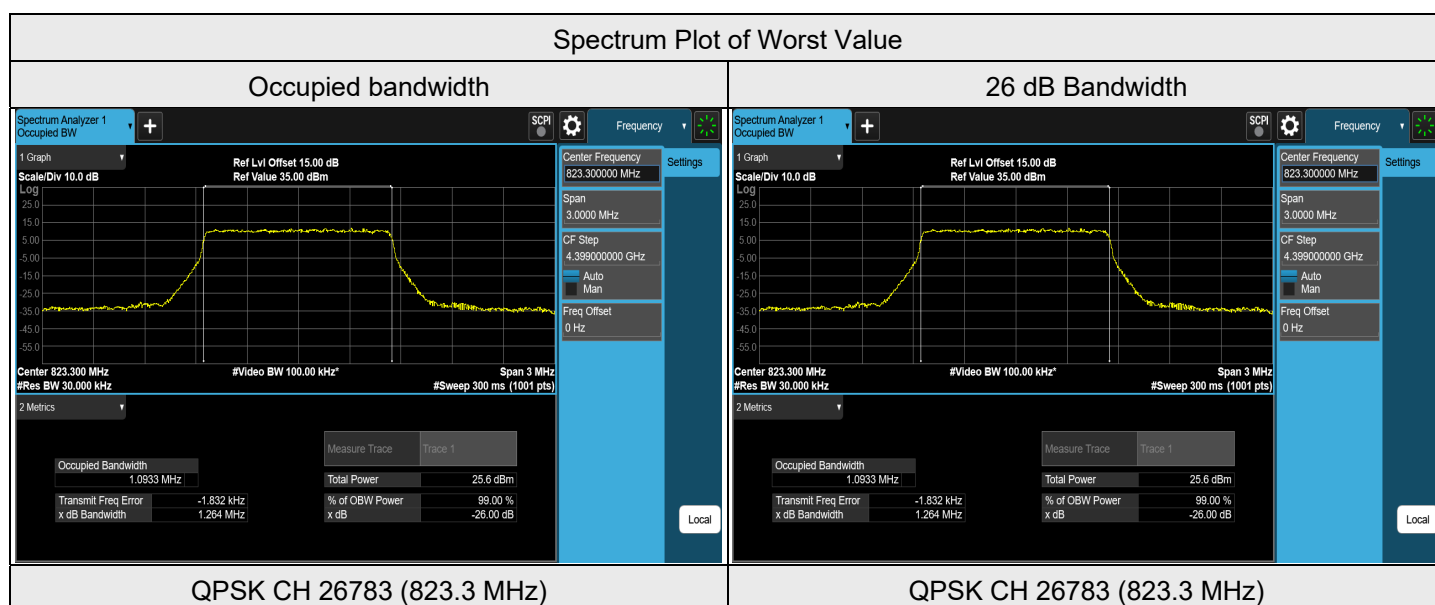
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26140	1860	17.9173	19.042
QPSK	26365	1882.5	17.9283	19.040
QPSK	26590	1905	17.9149	19.060
16QAM	26140	1860	4.8037	5.567
16QAM	26365	1882.5	4.8101	5.569
16QAM	26590	1905	4.8033	5.577



7.4.8 LTE Band 26 (814 MHz ~ 824 MHz)

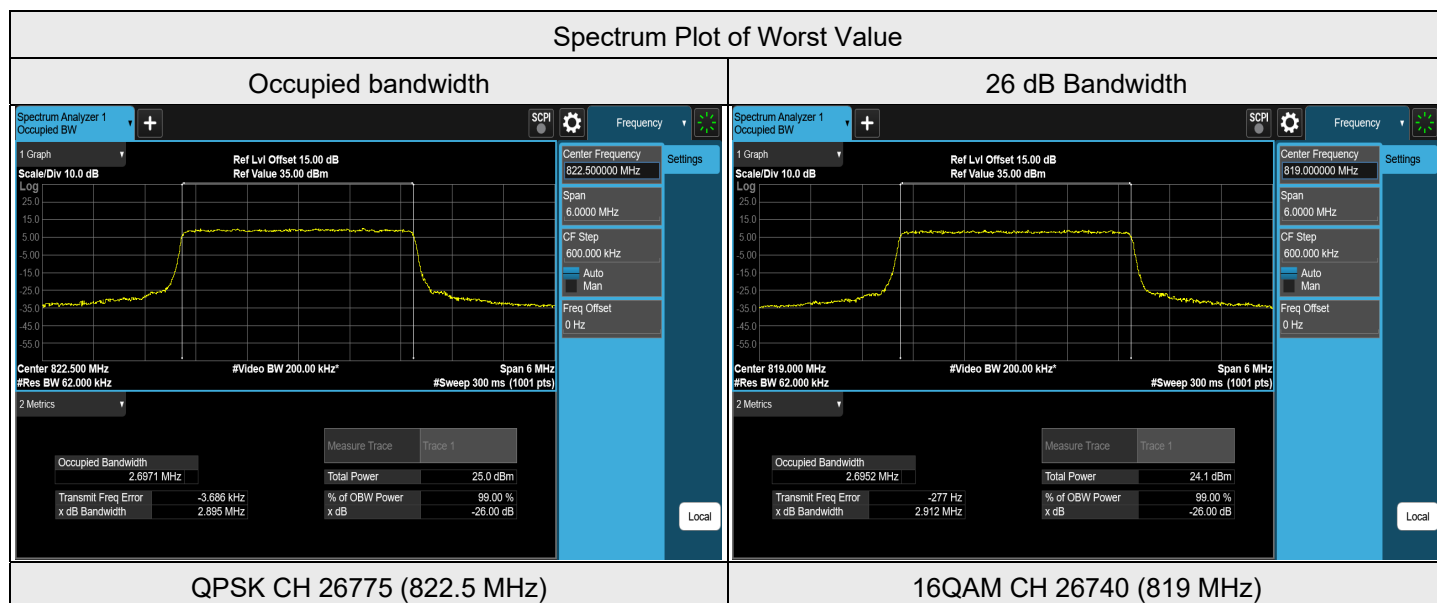
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26697	814.7	1.0894	1.256
QPSK	26740	819	1.0926	1.262
QPSK	26783	823.3	1.0933	1.264
16QAM	26697	814.7	1.0893	1.258
16QAM	26740	819	1.0894	1.254
16QAM	26783	823.3	1.0913	1.259



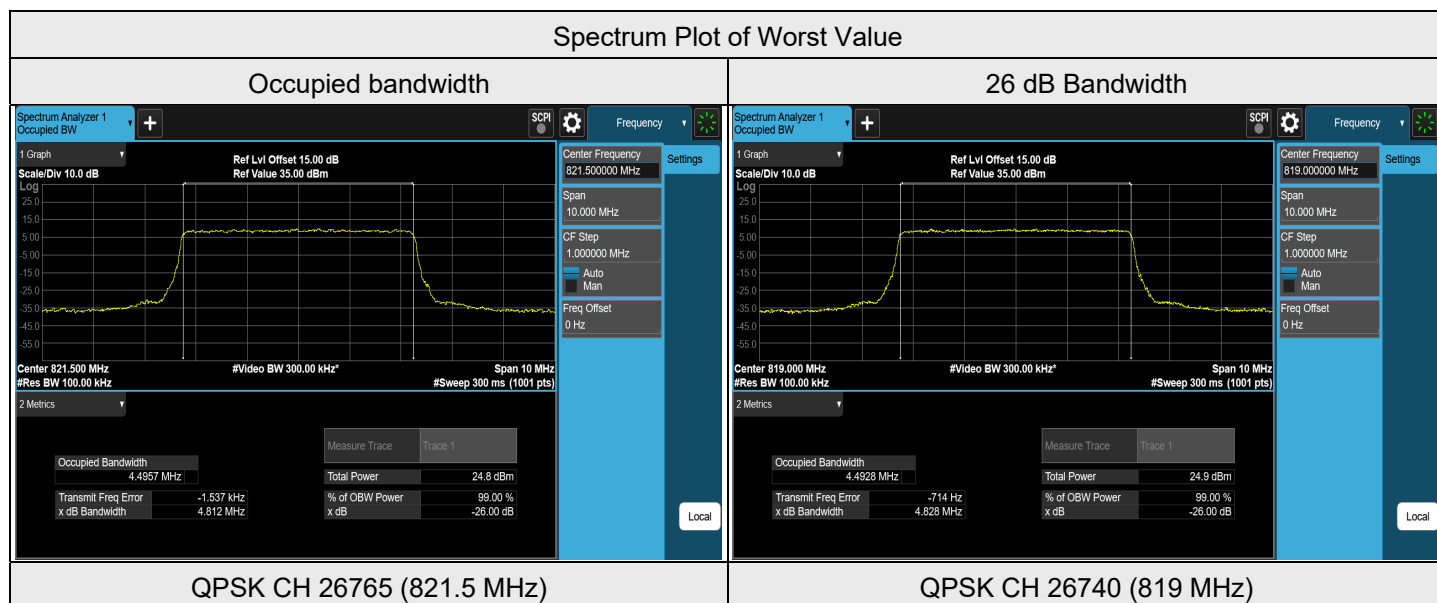
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26705	815.5	2.6953	2.895
QPSK	26740	819	2.6966	2.898
QPSK	26775	822.5	2.6971	2.895
16QAM	26705	815.5	2.6936	2.901
16QAM	26740	819	2.6952	2.912
16QAM	26775	822.5	2.6956	2.909



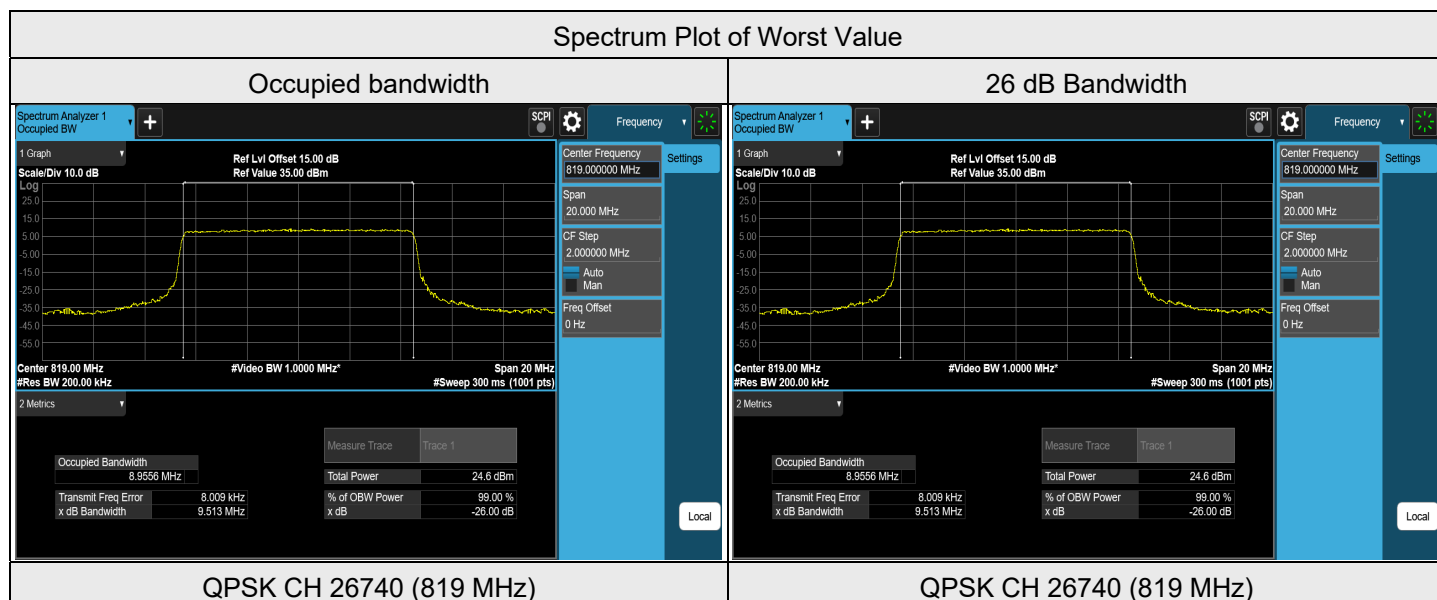
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26715	816.5	4.4805	4.819
QPSK	26740	819	4.4928	4.828
QPSK	26765	821.5	4.4957	4.812
16QAM	26715	816.5	4.4837	4.812
16QAM	26740	819	4.4866	4.801
16QAM	26765	821.5	4.4870	4.801



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

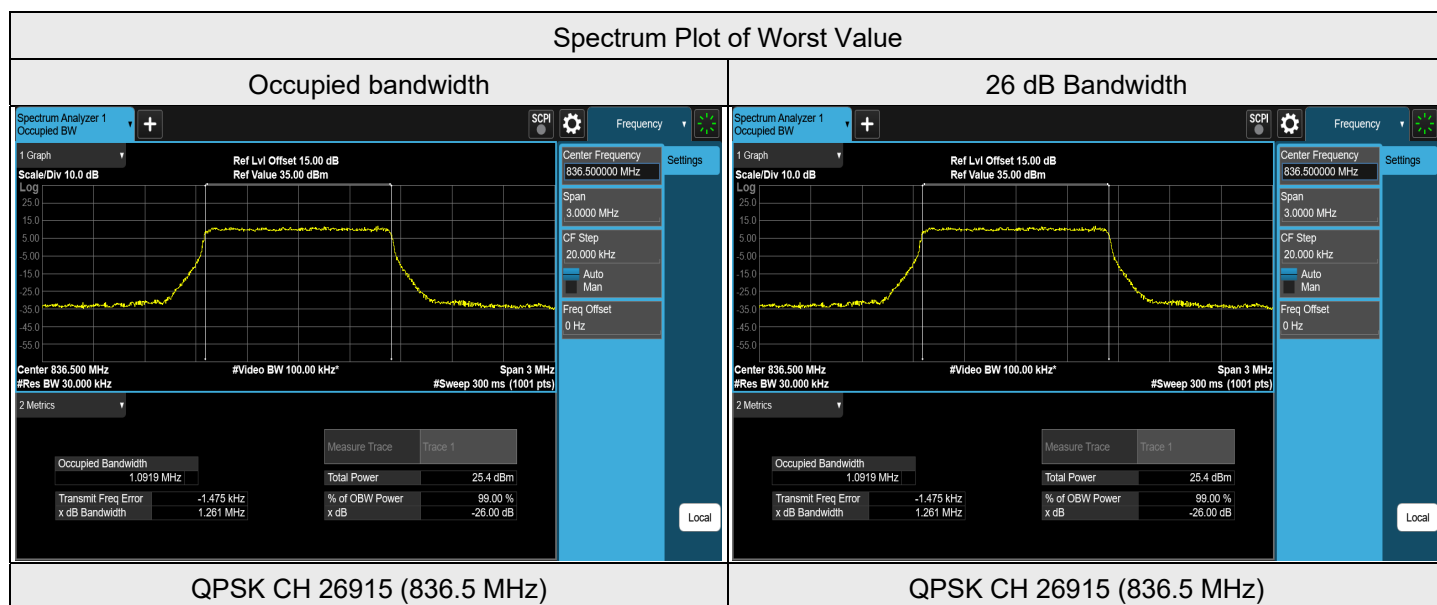
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26740	819	8.9556	9.513
16QAM	26740	819	4.5649	5.071



7.4.9 LTE Band 26 (824 MHz ~ 849 MHz)

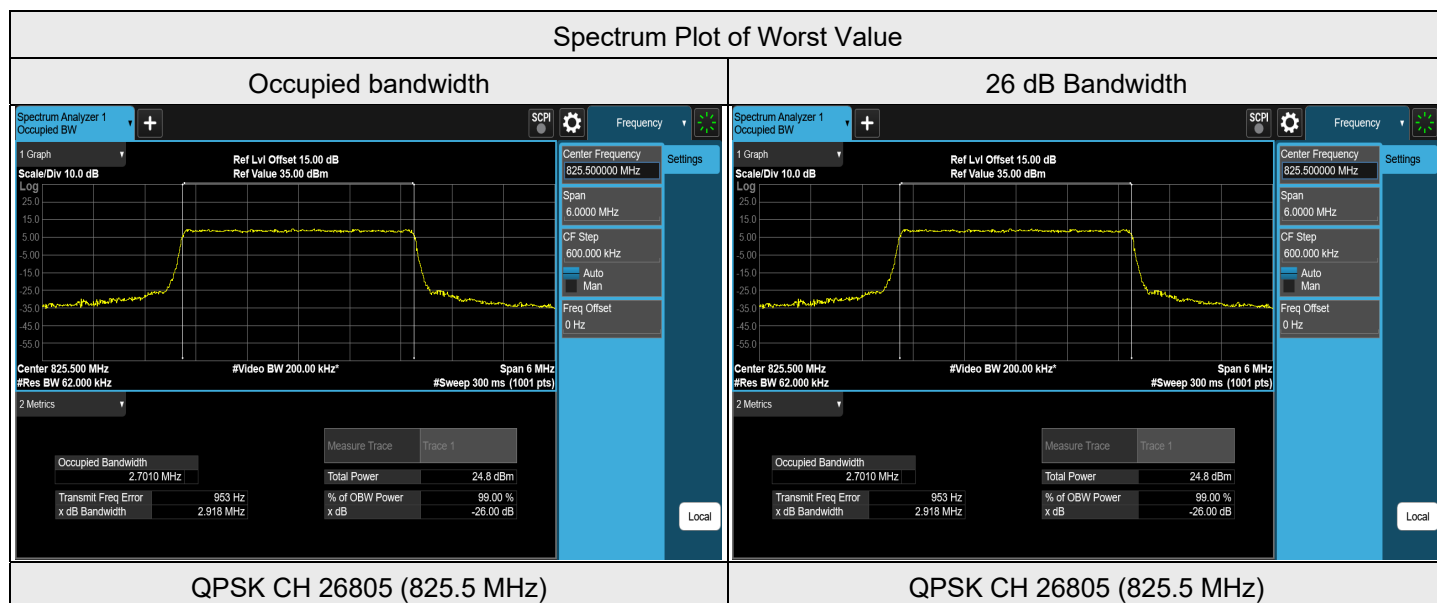
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26797	824.7	1.0894	1.256
QPSK	26915	836.5	1.0919	1.261
QPSK	27033	848.3	1.0910	1.261
16QAM	26797	824.7	1.0893	1.243
16QAM	26915	836.5	1.0903	1.250
16QAM	27033	848.3	1.0894	1.256



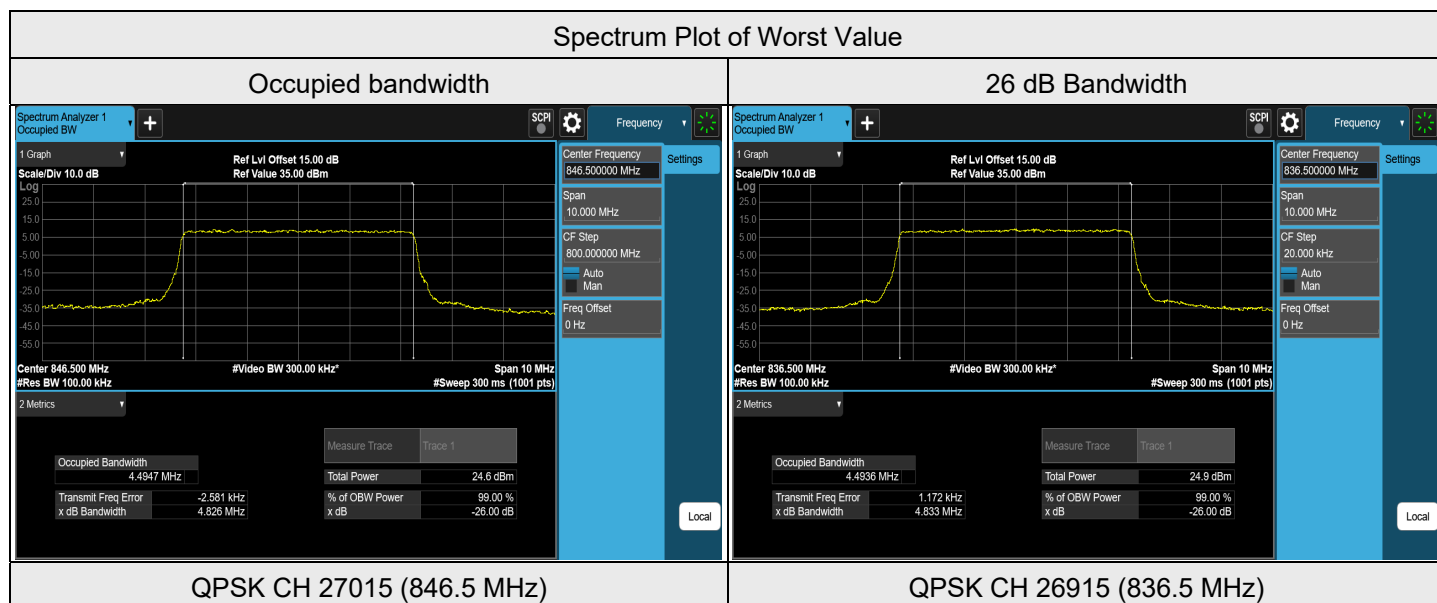
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26805	825.5	2.7010	2.918
QPSK	26915	836.5	2.6969	2.887
QPSK	27025	847.5	2.7005	2.887
16QAM	26805	825.5	2.6946	2.912
16QAM	26915	836.5	2.6944	2.906
16QAM	27025	847.5	2.6959	2.907



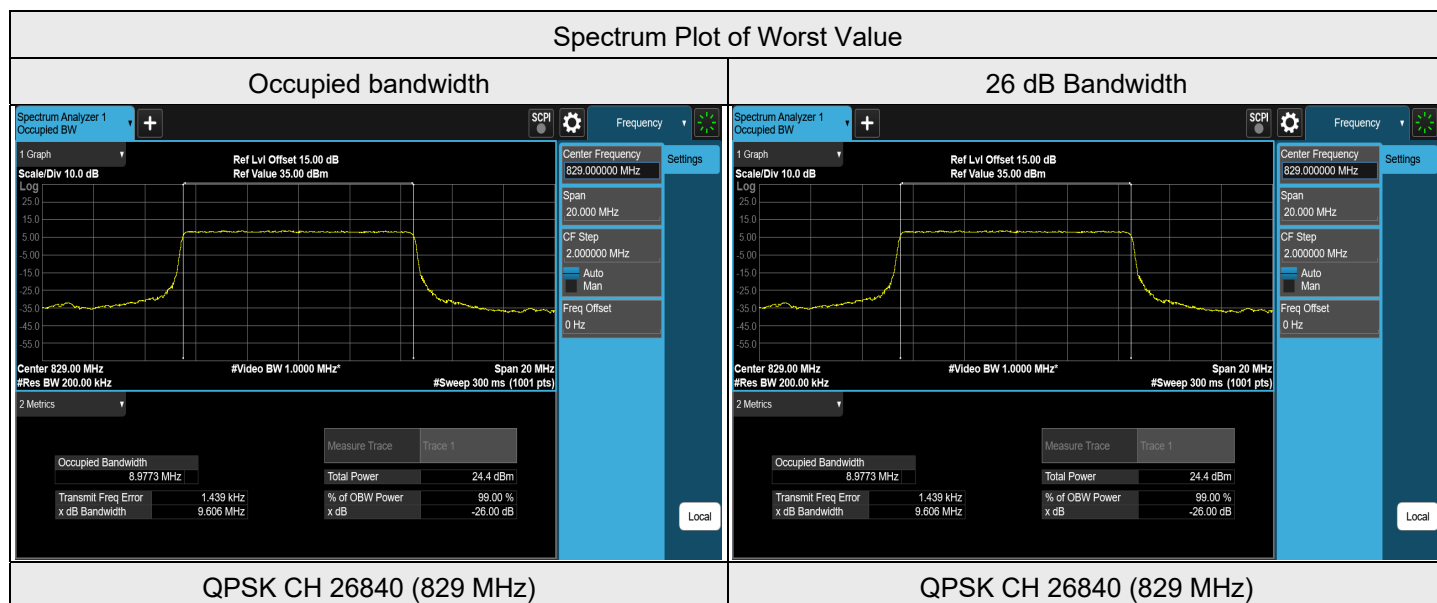
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26815	826.5	4.4923	4.813
QPSK	26915	836.5	4.4936	4.833
QPSK	27015	846.5	4.4947	4.826
16QAM	26815	826.5	4.4854	4.803
16QAM	26915	836.5	4.4853	4.808
16QAM	27015	846.5	4.4921	4.817



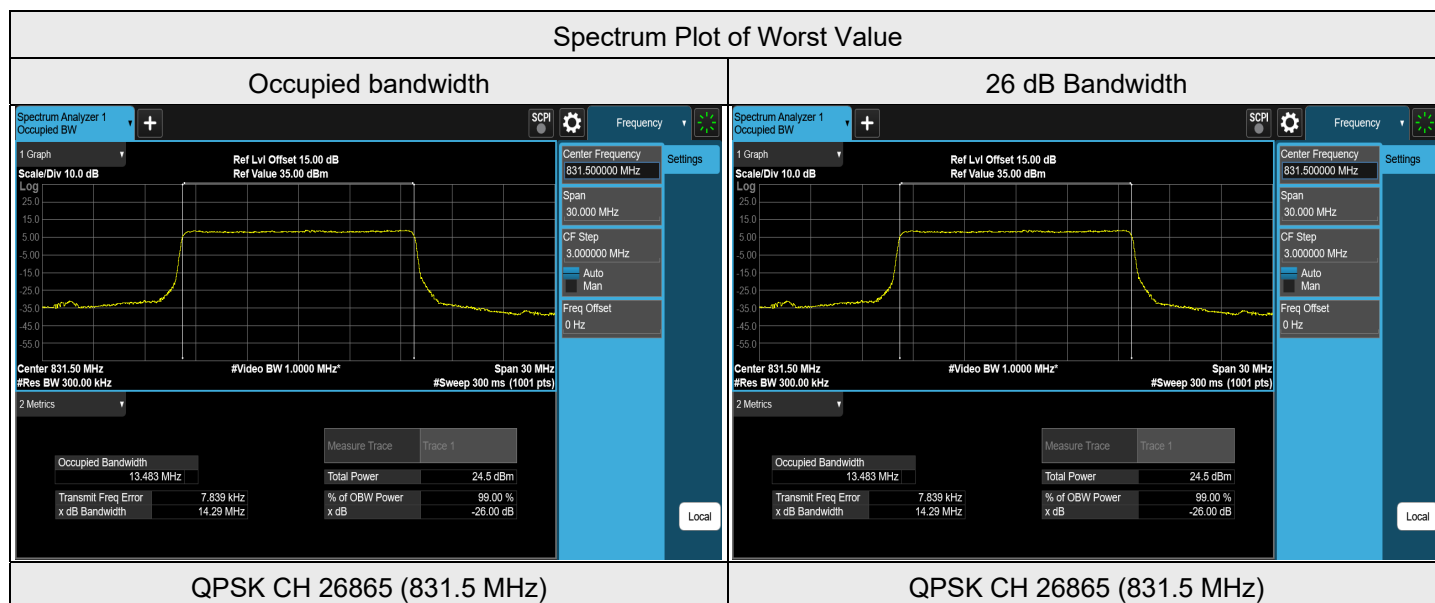
LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26840	829	8.9773	9.606
QPSK	26915	836.5	8.9647	9.525
QPSK	26990	844	8.9764	9.537
16QAM	26840	829	4.5691	5.063
16QAM	26915	836.5	4.5720	5.071
16QAM	26990	844	4.5740	5.069



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

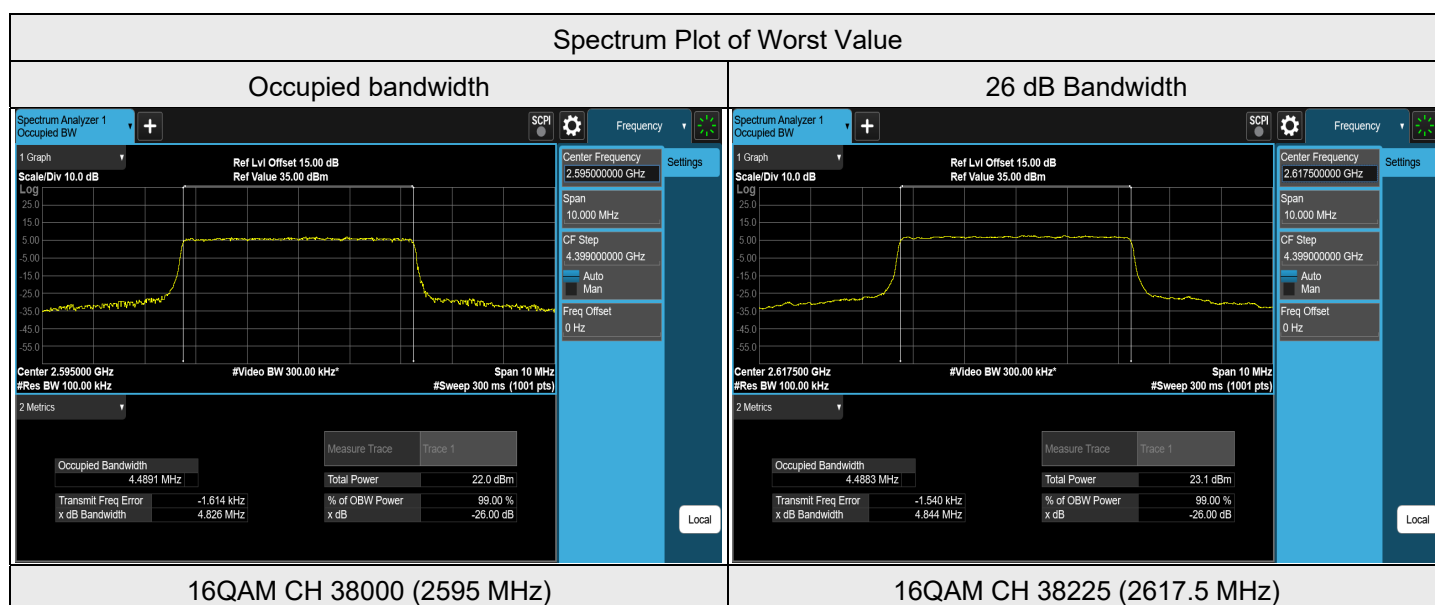
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26865	831.5	13.4833	14.291
QPSK	26915	836.5	13.4457	14.263
QPSK	26965	841.5	13.4447	14.242
16QAM	26865	831.5	4.6781	5.306
16QAM	26915	836.5	4.6708	5.295
16QAM	26965	841.5	4.6729	5.306



7.4.10LTE Band 38

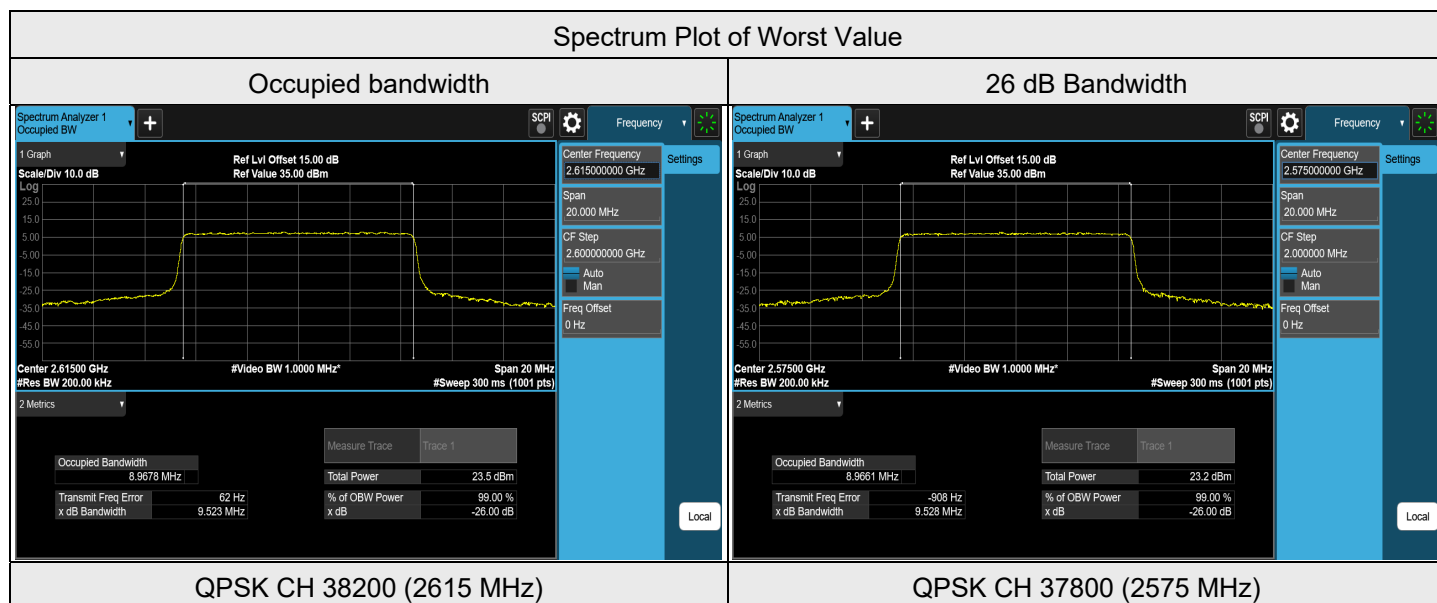
LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37775	2572.5	4.4875	4.815
QPSK	38000	2595	4.4885	4.834
QPSK	38225	2617.5	4.4855	4.805
16QAM	37775	2572.5	4.4829	4.794
16QAM	38000	2595	4.4891	4.826
16QAM	38225	2617.5	4.4883	4.844



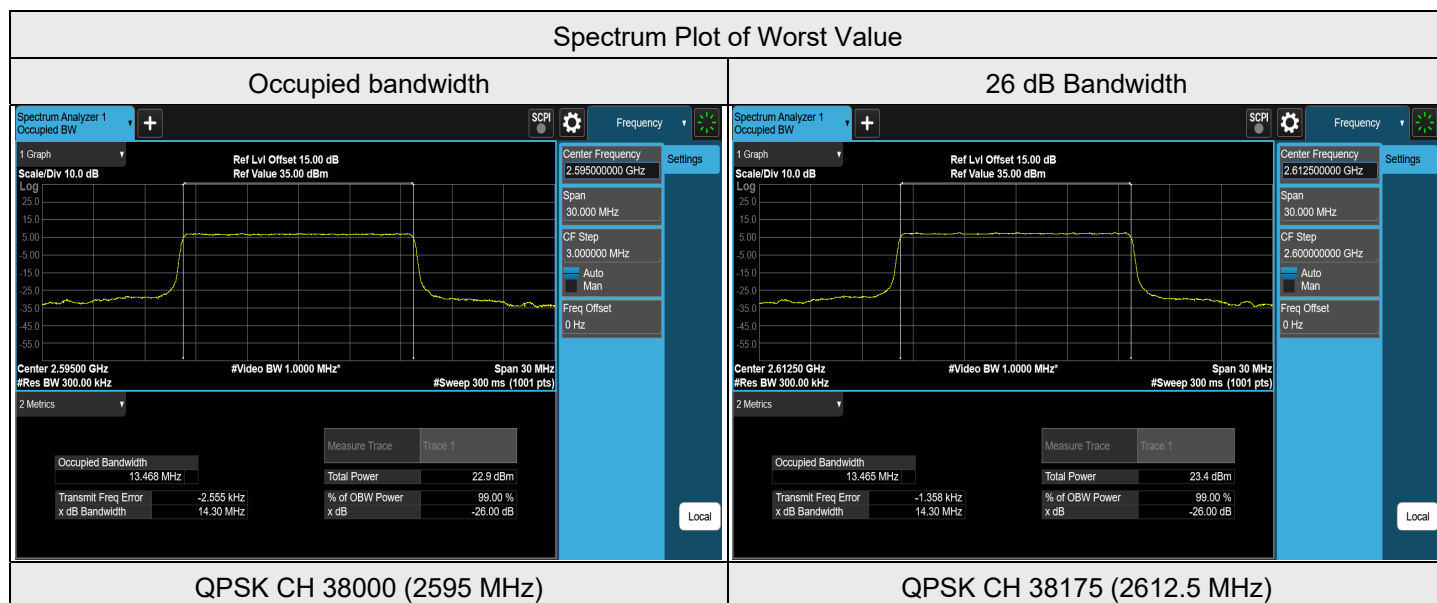
LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37800	2575	8.9661	9.528
QPSK	38000	2595	8.9642	9.502
QPSK	38200	2615	8.9678	9.523
16QAM	37800	2575	4.5686	5.071
16QAM	38000	2595	4.5779	5.081
16QAM	38200	2615	4.5716	5.078



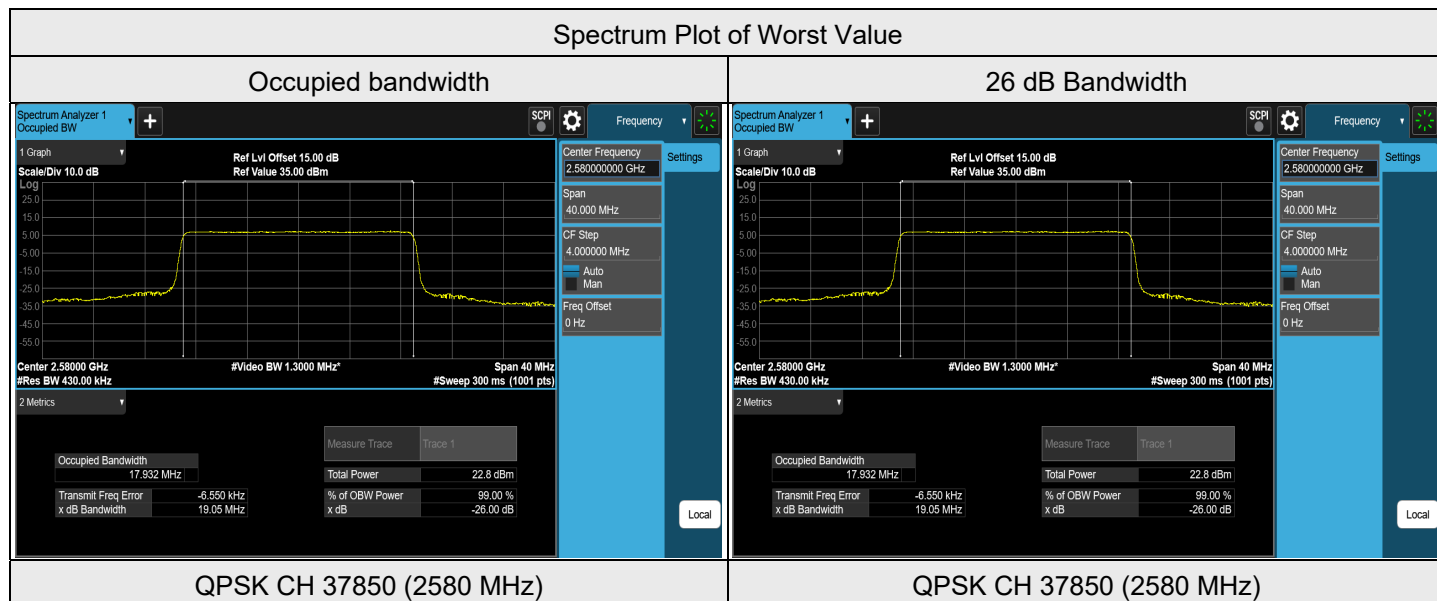
LTE Band 38, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37825	2577.5	13.4680	14.280
QPSK	38000	2595	13.4681	14.295
QPSK	38175	2612.5	13.4653	14.297
16QAM	37825	2577.5	4.6787	5.292
16QAM	38000	2595	4.6806	5.319
16QAM	38175	2612.5	4.6787	5.294



LTE Band 38, Channel Bandwidth: 20 MHz

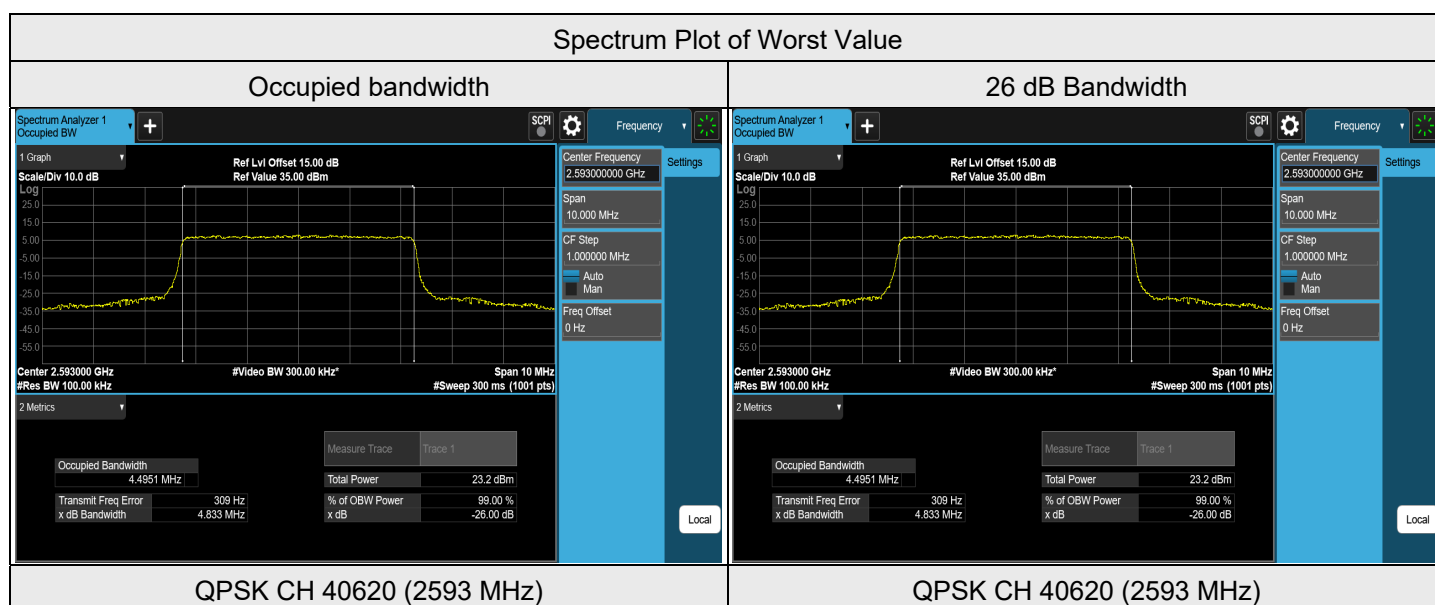
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37850	2580	17.9324	19.046
QPSK	38000	2595	17.9236	19.041
QPSK	38150	2610	17.9286	19.032
16QAM	37850	2580	4.8125	5.574
16QAM	38000	2595	4.8096	5.572
16QAM	38150	2610	4.8173	5.581



7.4.11 LTE Band 41

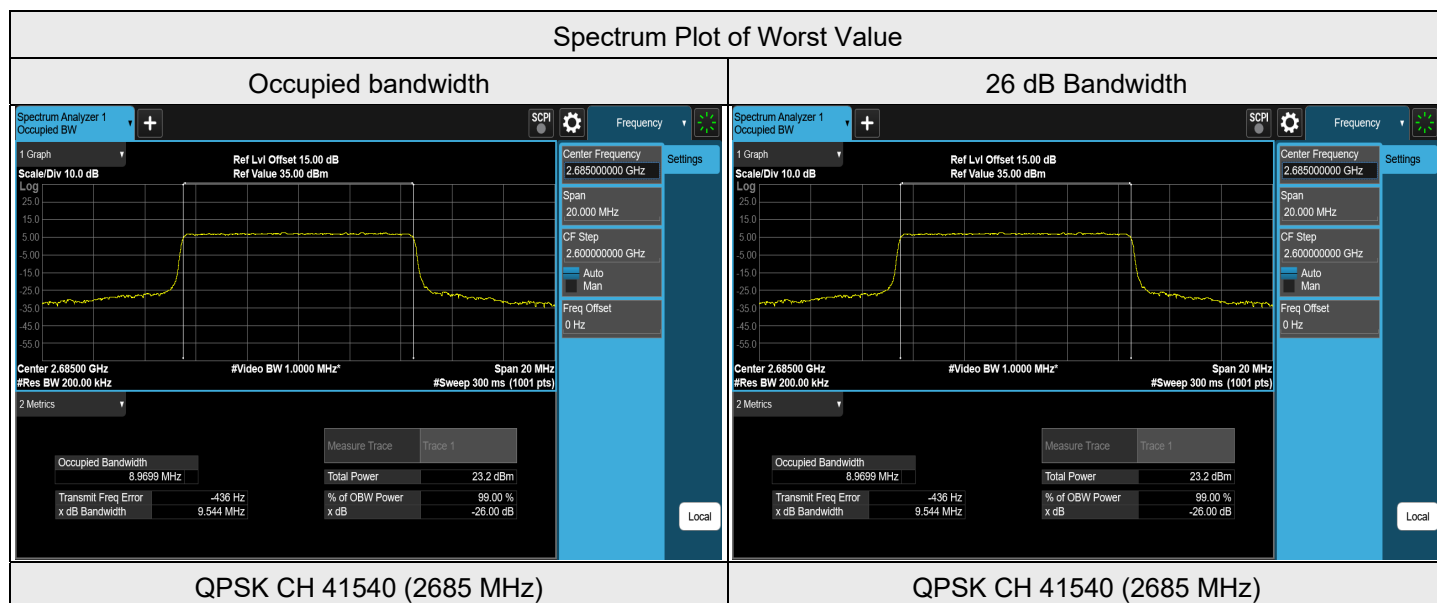
LTE Band 41, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39675	2498.5	4.4846	4.819
QPSK	40620	2593	4.4951	4.833
QPSK	41565	2687.5	4.4917	4.823
16QAM	39675	2498.5	4.4887	4.827
16QAM	40620	2593	4.4880	4.807
16QAM	41565	2687.5	4.4897	4.814



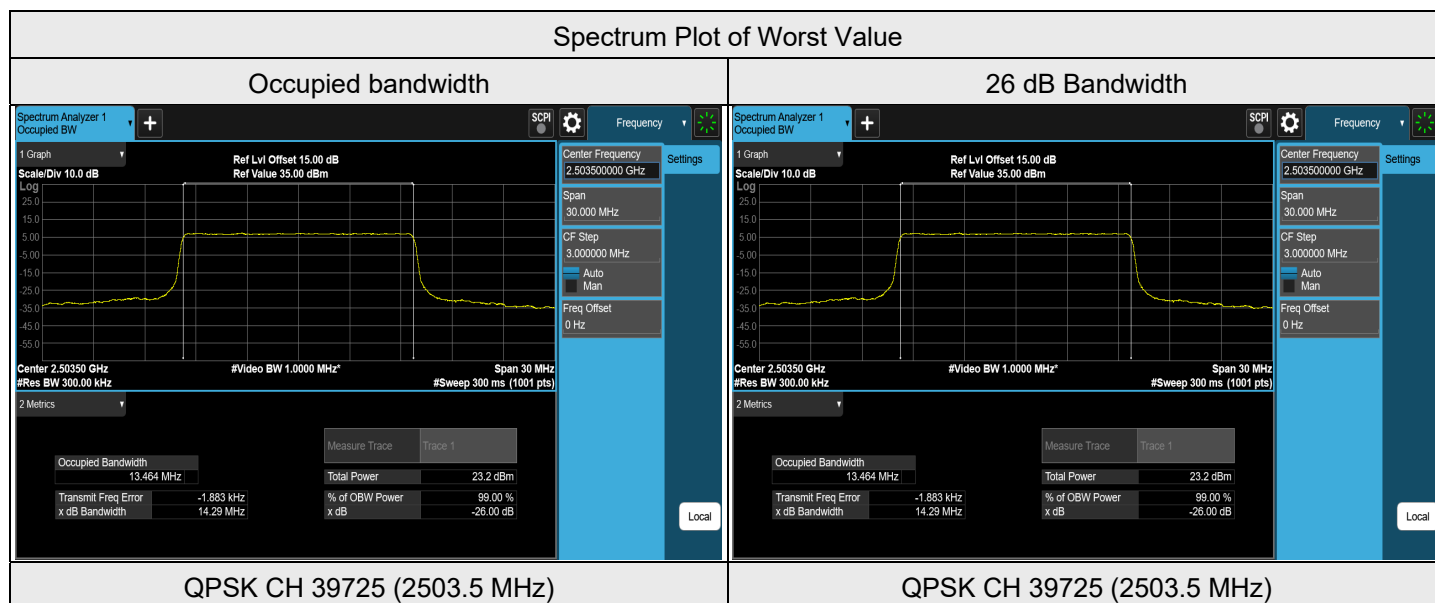
LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39700	2501	8.9594	9.516
QPSK	40620	2593	8.9649	9.538
QPSK	41540	2685	8.9699	9.544
16QAM	39700	2501	4.5702	5.043
16QAM	40620	2593	4.5657	5.070
16QAM	41540	2685	4.5738	5.064



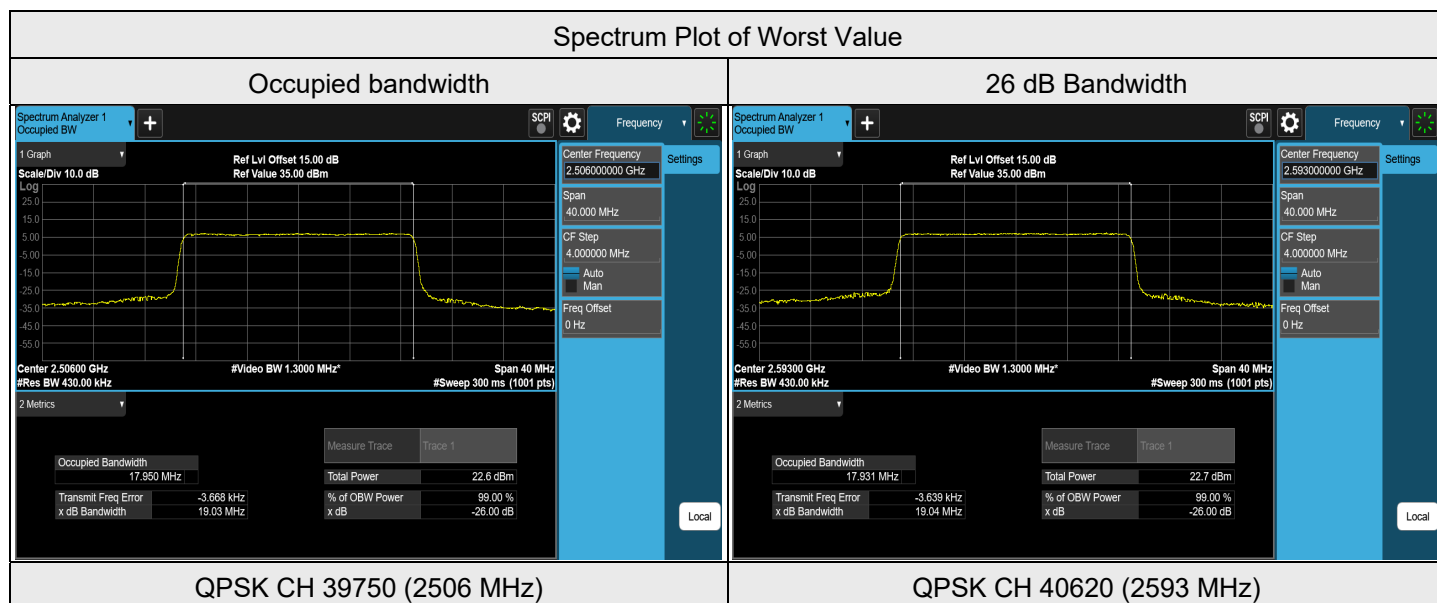
LTE Band 41, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39725	2503.5	13.4637	14.294
QPSK	40620	2593	13.4575	14.287
QPSK	41515	2682.5	13.4623	14.275
16QAM	39725	2503.5	4.6819	5.302
16QAM	40620	2593	4.6823	5.324
16QAM	41515	2682.5	4.6830	5.298



LTE Band 41, Channel Bandwidth: 20 MHz

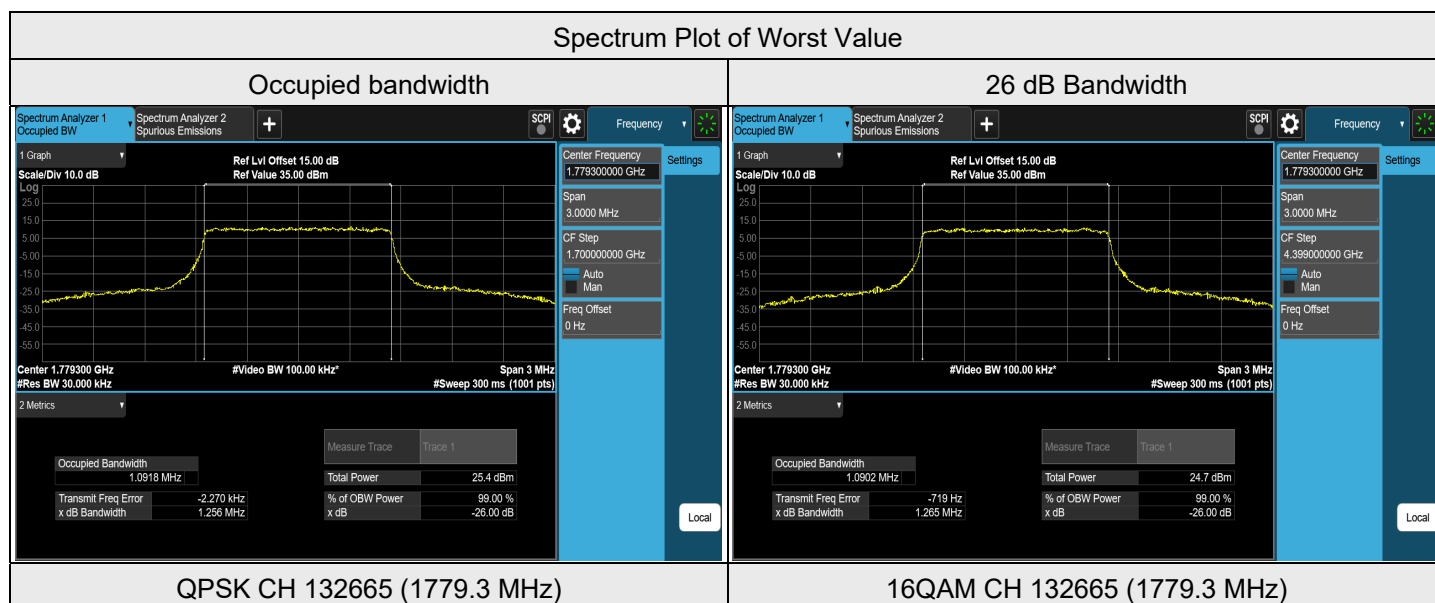
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39750	2506	17.9498	19.031
QPSK	40620	2593	17.9307	19.042
QPSK	41490	2680	17.9304	19.042
16QAM	39750	2506	4.8019	5.556
16QAM	40620	2593	4.8095	5.572
16QAM	41490	2680	4.8150	5.576



7.4.12LTE Band 66

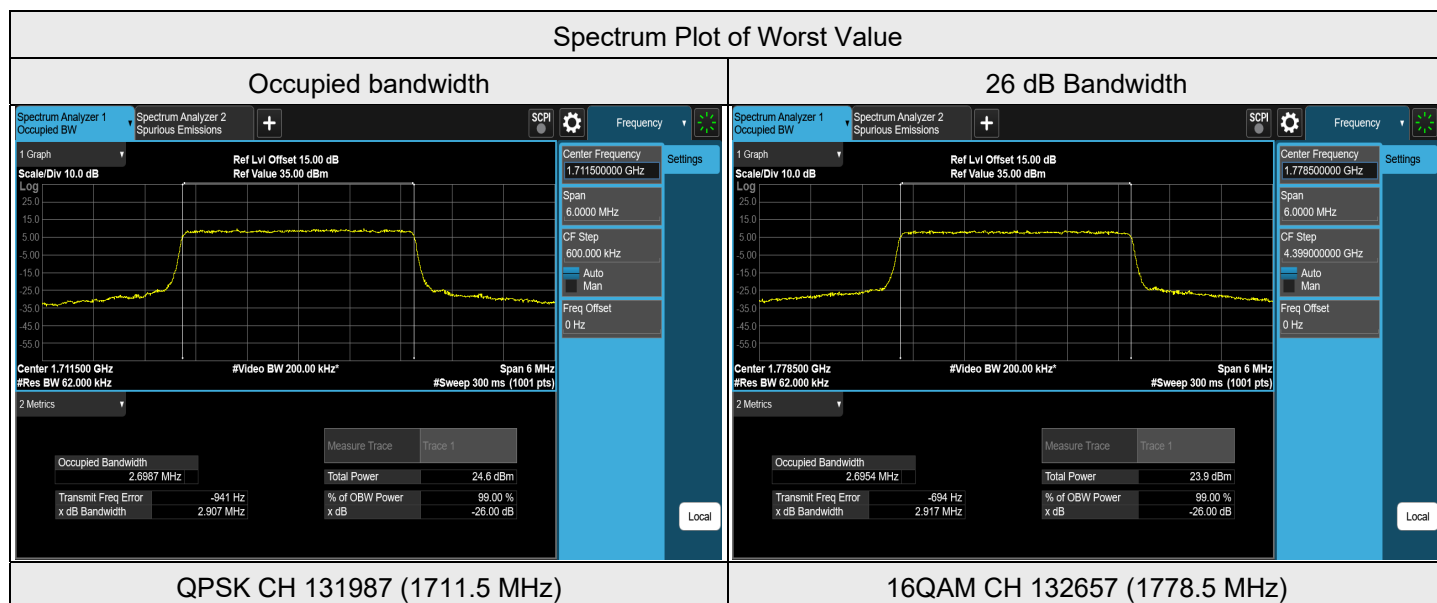
LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131979	1710.7	1.0874	1.264
QPSK	132322	1745	1.0911	1.254
QPSK	132665	1779.3	1.0918	1.256
16QAM	131979	1710.7	1.0897	1.256
16QAM	132322	1745	1.0901	1.253
16QAM	132665	1779.3	1.0902	1.265



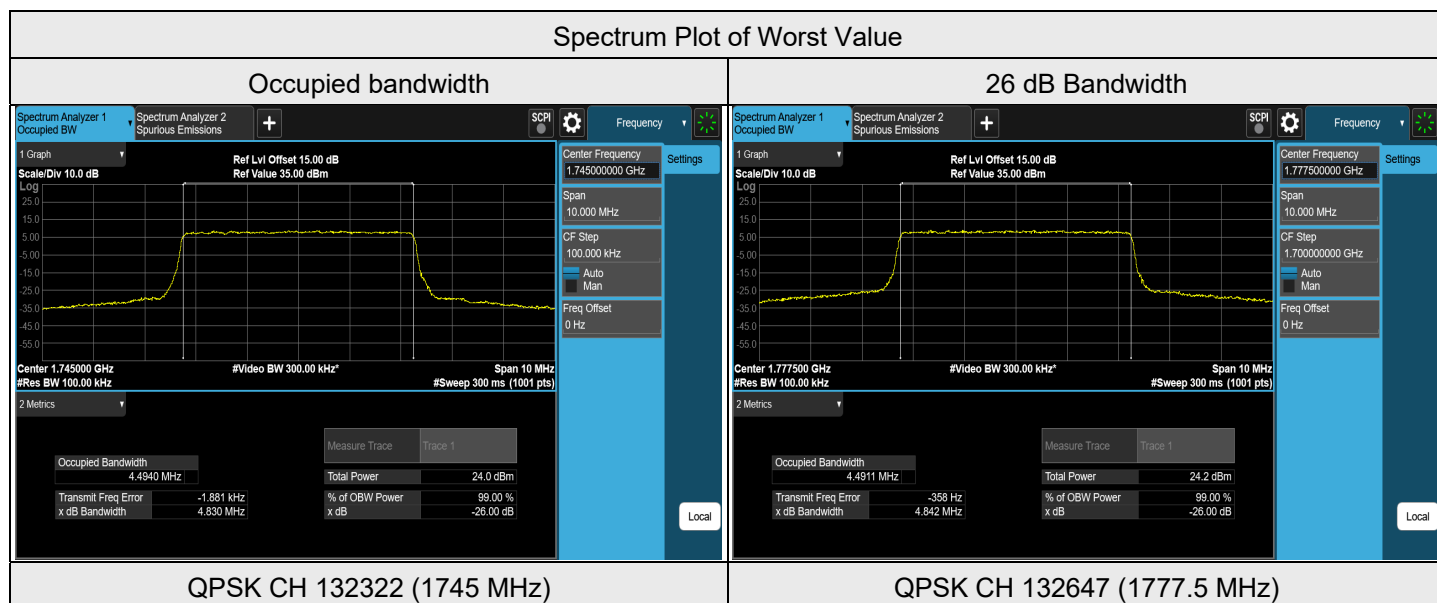
LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131987	1711.5	2.6987	2.907
QPSK	132322	1745	2.6979	2.895
QPSK	132657	1778.5	2.6986	2.908
16QAM	131987	1711.5	2.6966	2.914
16QAM	132322	1745	2.6959	2.902
16QAM	132657	1778.5	2.6954	2.917



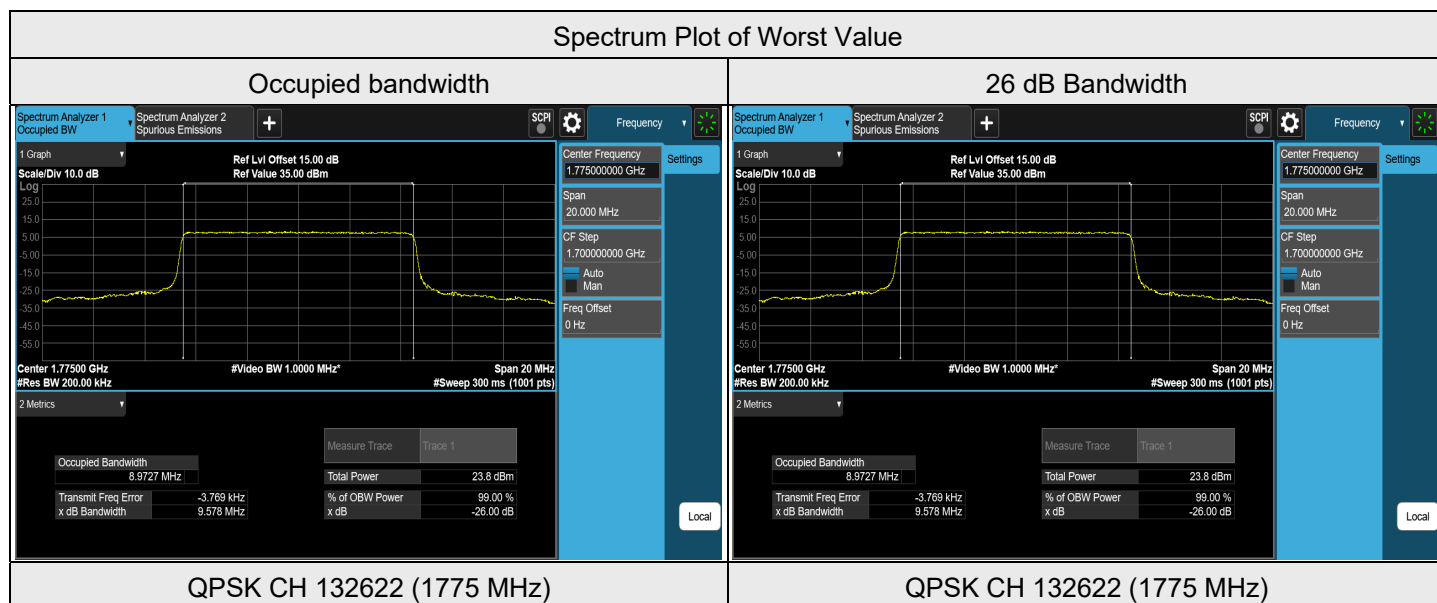
LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131997	1712.5	4.4898	4.834
QPSK	132322	1745	4.4940	4.830
QPSK	132647	1777.5	4.4911	4.842
16QAM	131997	1712.5	4.4874	4.818
16QAM	132322	1745	4.4896	4.823
16QAM	132647	1777.5	4.4882	4.821



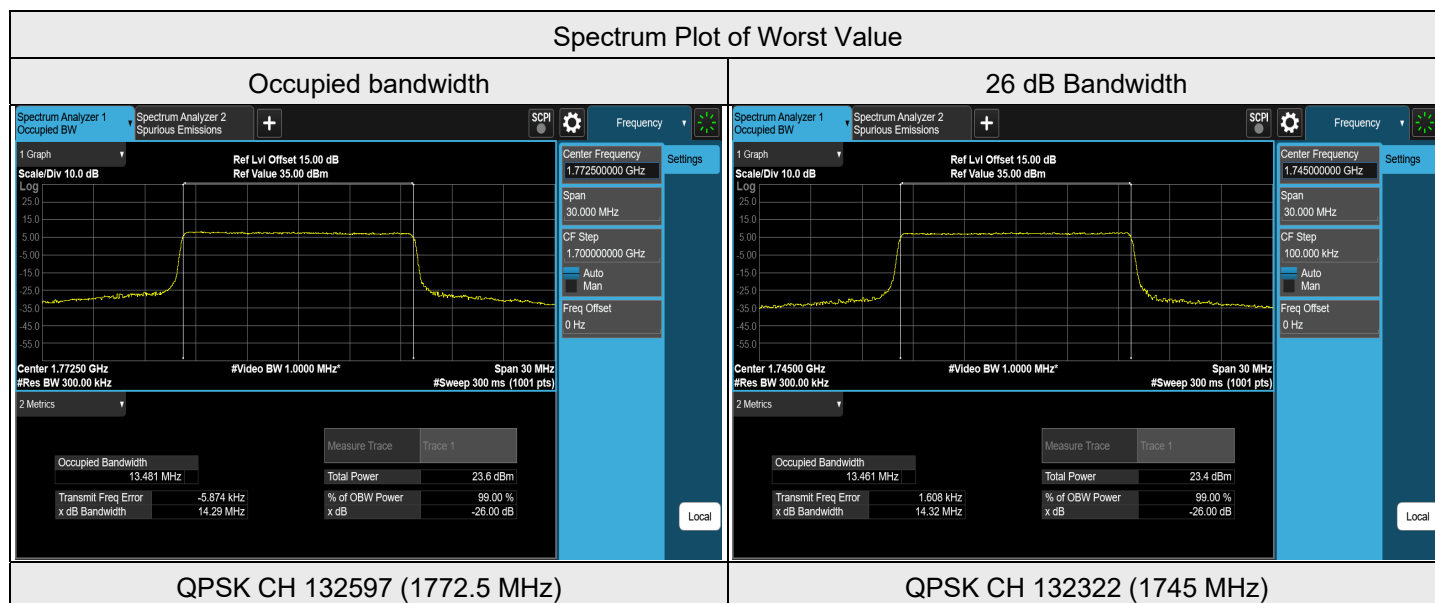
LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132022	1715	8.9685	9.556
QPSK	132322	1745	8.9698	9.565
QPSK	132622	1775	8.9727	9.578
16QAM	132022	1715	4.5732	5.071
16QAM	132322	1745	4.5749	5.078
16QAM	132622	1775	4.5757	5.078



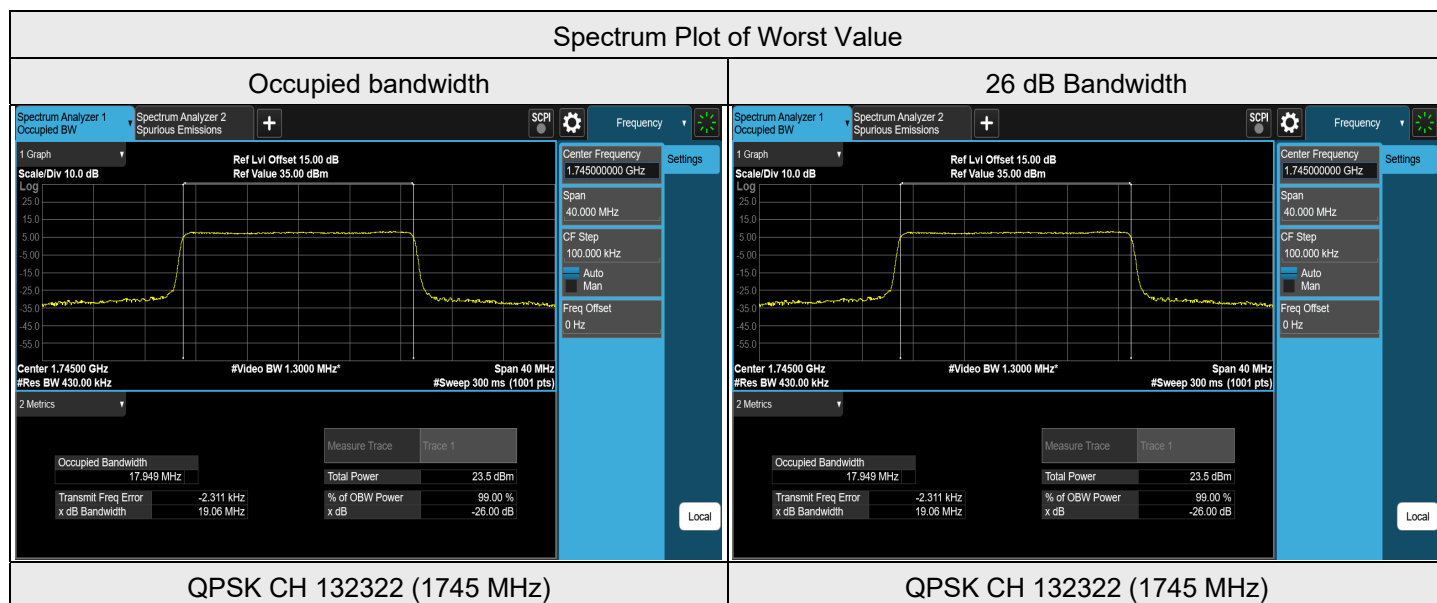
LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132047	1717.5	13.4635	14.280
QPSK	132322	1745	13.4614	14.324
QPSK	132597	1772.5	13.4810	14.289
16QAM	132047	1717.5	4.6662	5.293
16QAM	132322	1745	4.6765	5.312
16QAM	132597	1772.5	4.6801	5.293



LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132072	1720	17.9127	19.058
QPSK	132322	1745	17.9486	19.064
QPSK	132572	1770	17.9400	19.057
16QAM	132072	1720	4.7966	5.564
16QAM	132322	1745	4.8040	5.568
16QAM	132572	1770	4.8044	5.561

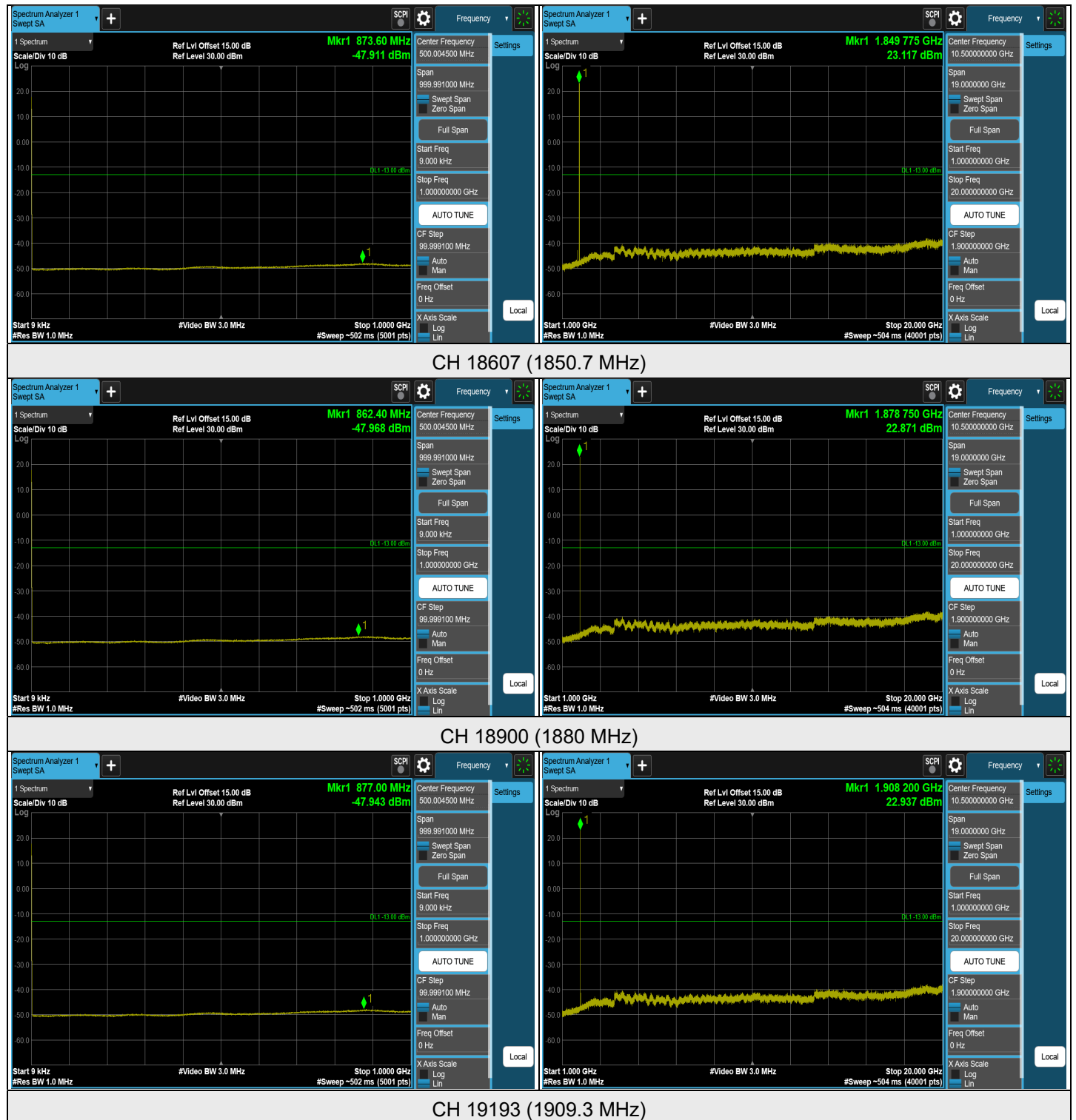


7.5 Conducted Spurious Emissions

Input Power:	7.20 Vdc	Environmental Conditions:	25°C, 65% RH	Tested By:	Charles Hsiao
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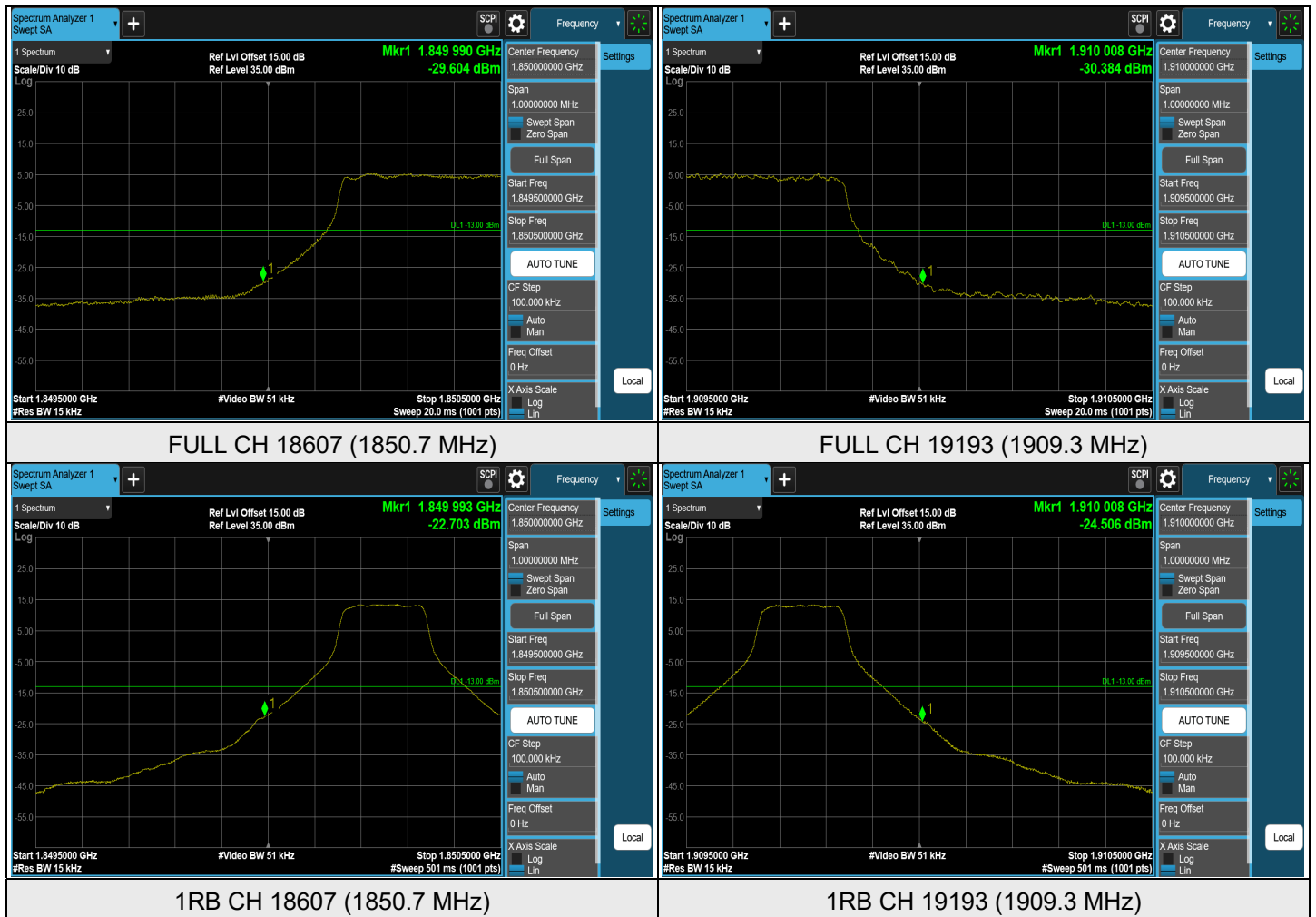
7.5.1 LTE Band 2

LTE Band 2, Channel Bandwidth: 1.4 MHz

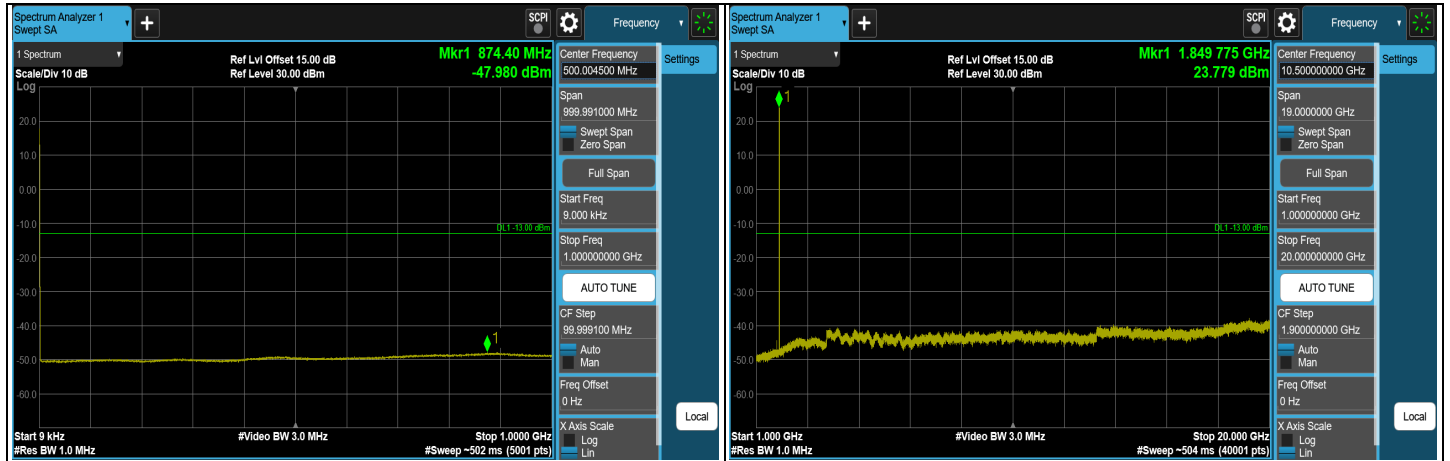


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

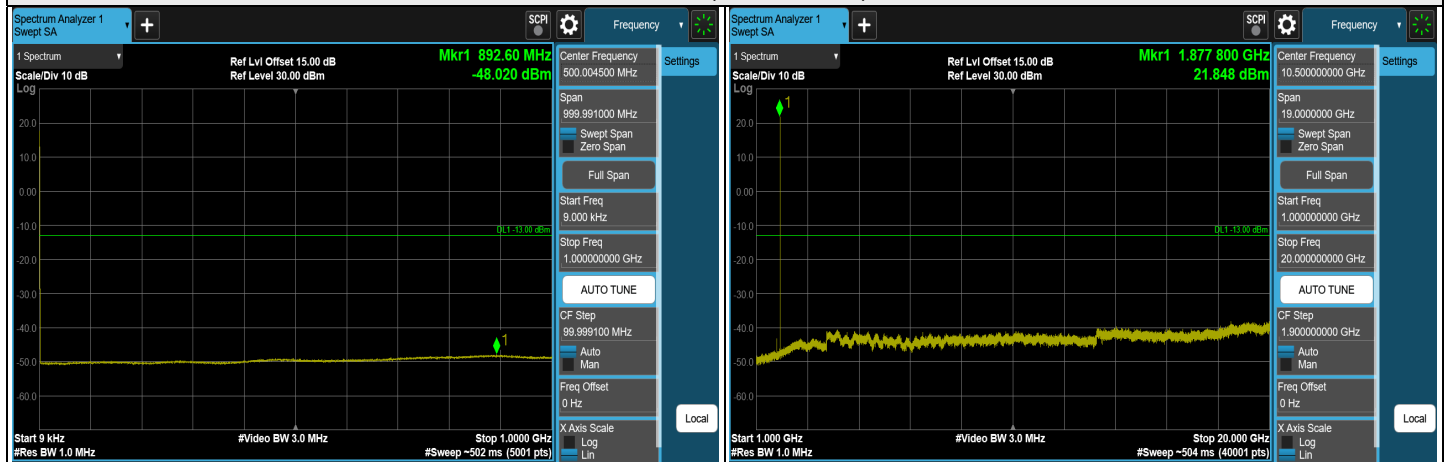
LTE Band 2, Channel Bandwidth: 1.4 MHz



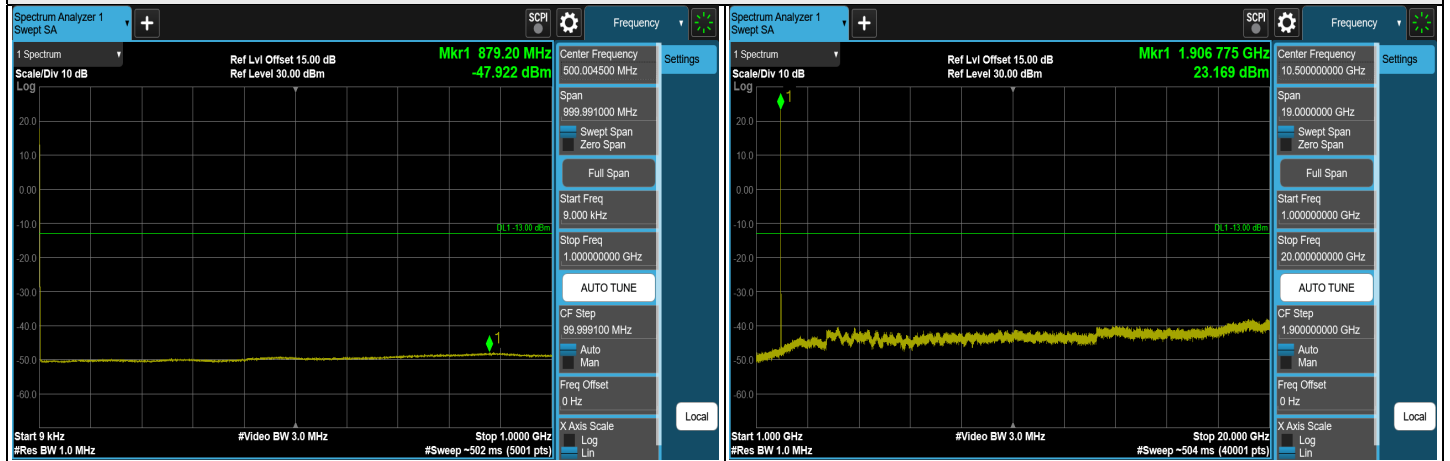
LTE Band 2, Channel Bandwidth: 3 MHz



CH 18615 (1851.5 MHz)



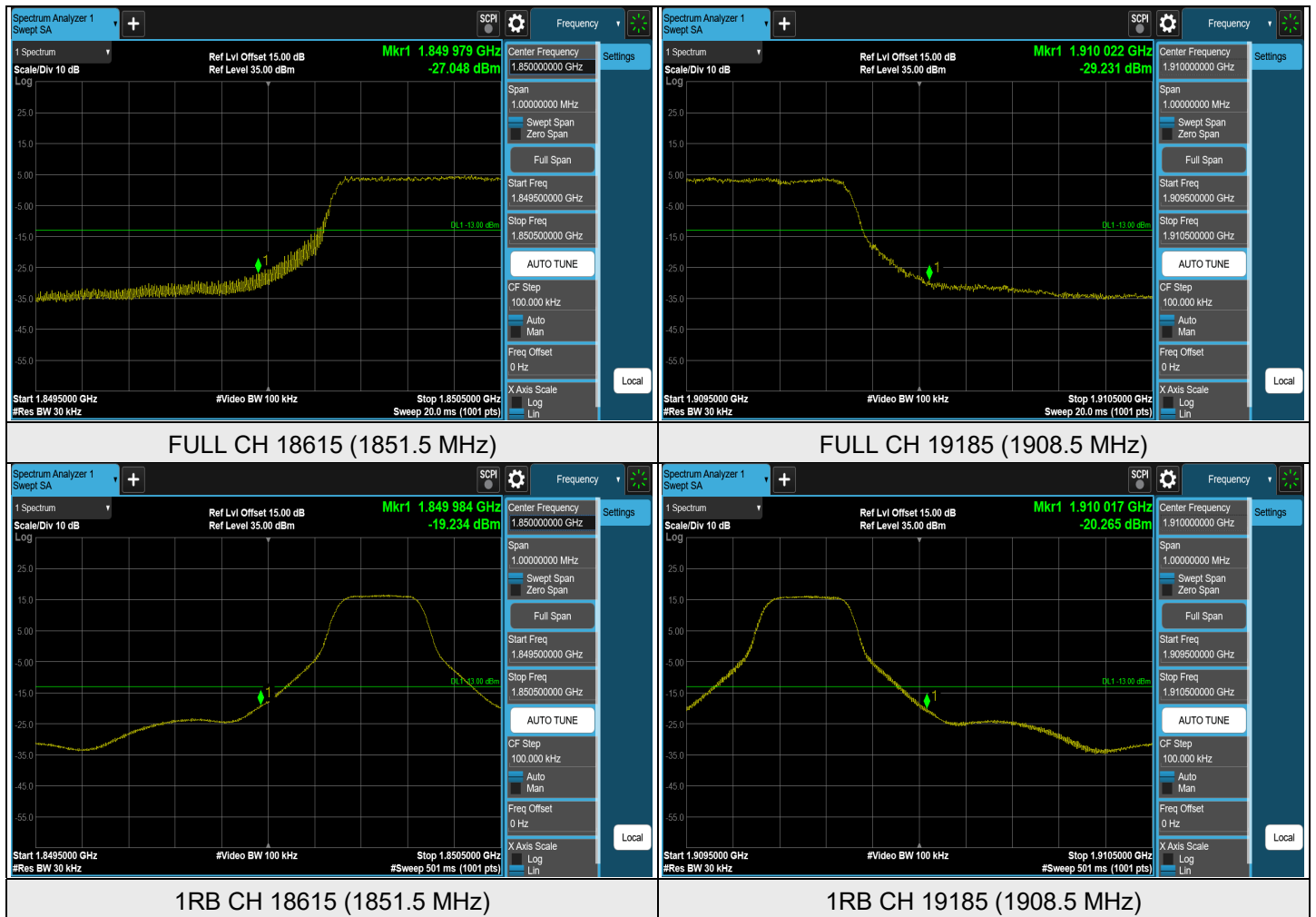
CH 18900 (1880 MHz)



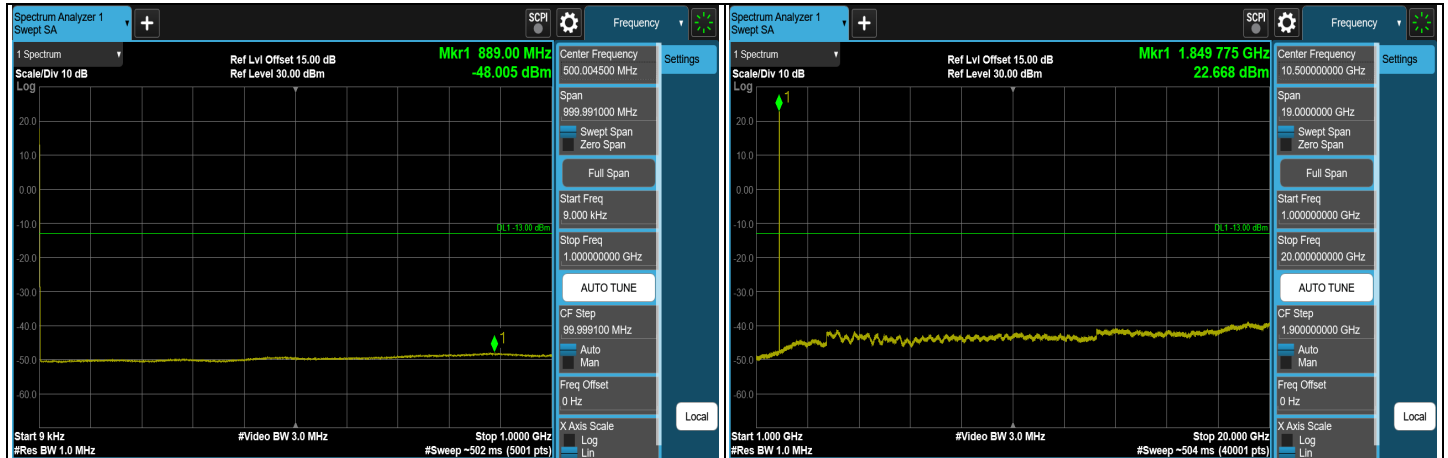
CH 19185 (1908.5 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

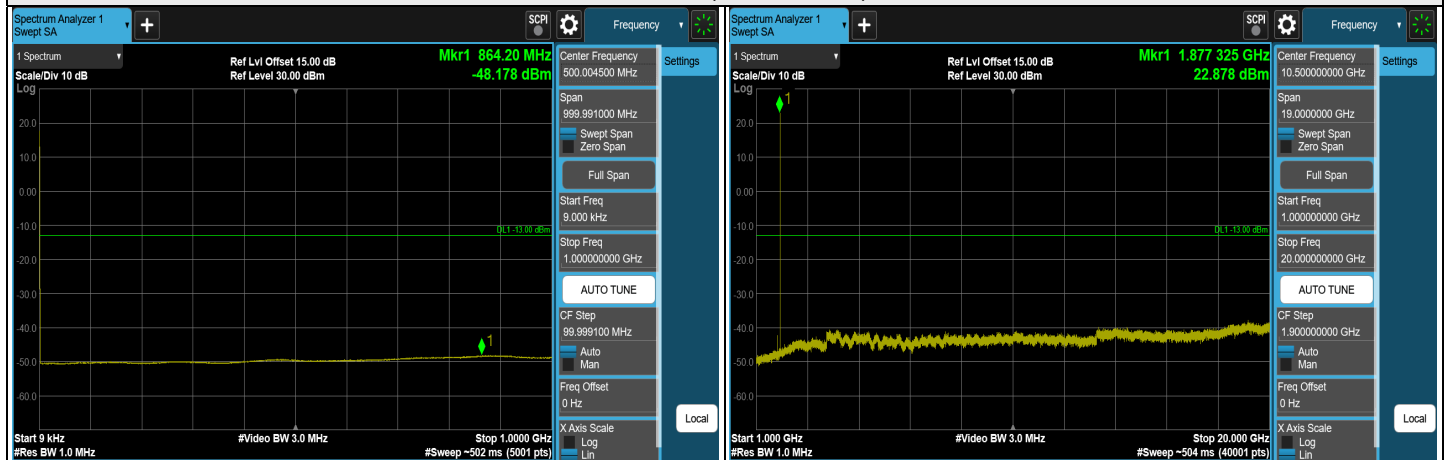
LTE Band 2, Channel Bandwidth: 3 MHz



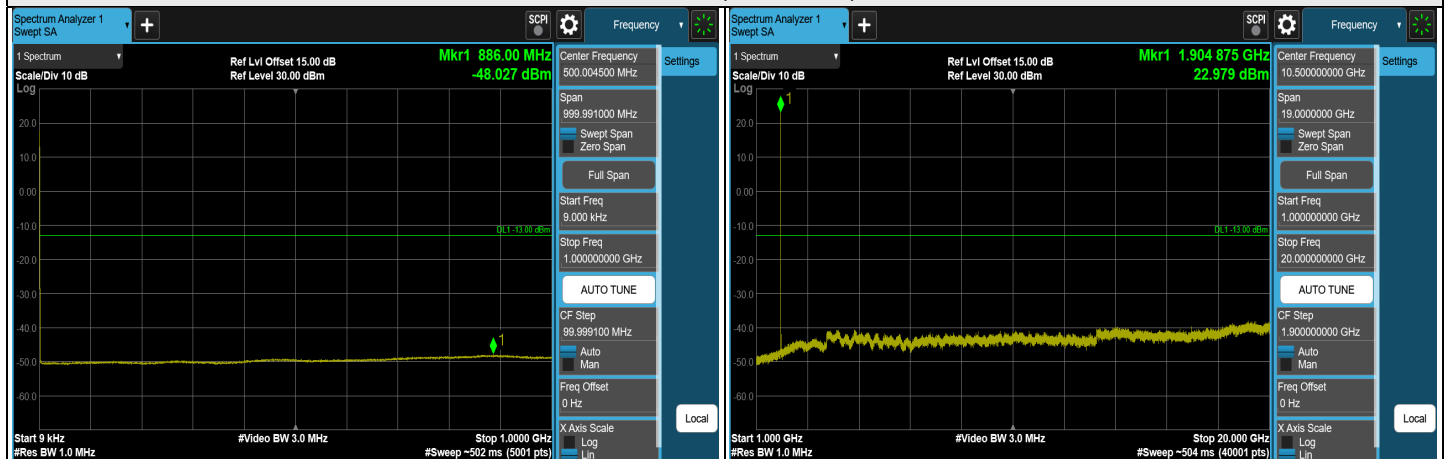
LTE Band 2, Channel Bandwidth: 5 MHz



CH 18625 (1852.5 MHz)



CH 18900 (1880 MHz)



CH 19175 (1907.5 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 2, Channel Bandwidth: 5 MHz

