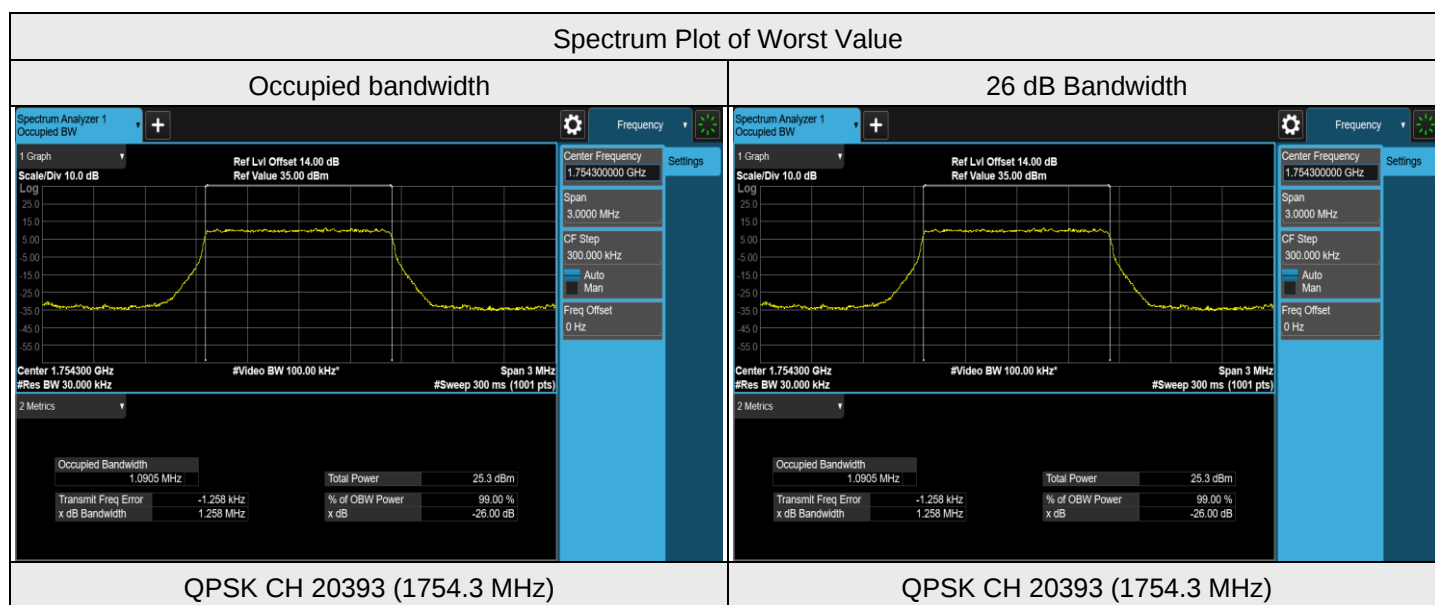


7.4.2 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

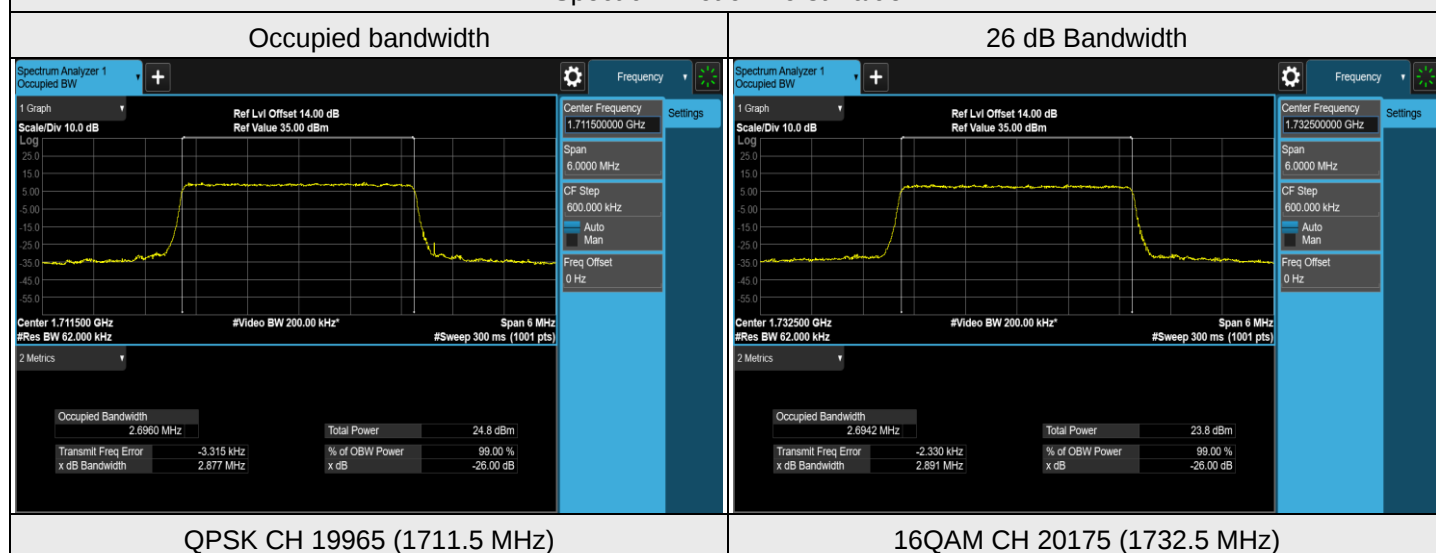
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	19957	1710.7	1.0896	1.254
QPSK	20175	1732.5	1.0904	1.253
QPSK	20393	1754.3	1.0905	1.258
16QAM	19957	1710.7	1.0875	1.249
16QAM	20175	1732.5	1.0885	1.244
16QAM	20393	1754.3	1.0876	1.247
64QAM	19957	1710.7	1.0886	1.245
64QAM	20175	1732.5	1.0880	1.253
64QAM	20393	1754.3	1.0880	1.249
256QAM	19957	1710.7	1.0842	1.235
256QAM	20175	1732.5	1.0839	1.229
256QAM	20393	1754.3	1.0844	1.233



LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	19965	1711.5	2.6960	2.877
QPSK	20175	1732.5	2.6949	2.882
QPSK	20385	1753.5	2.6950	2.879
16QAM	19965	1711.5	2.6960	2.887
16QAM	20175	1732.5	2.6942	2.891
16QAM	20385	1753.5	2.6944	2.888
64QAM	19965	1711.5	2.6924	2.867
64QAM	20175	1732.5	2.6929	2.869
64QAM	20385	1753.5	2.6940	2.867
256QAM	19965	1711.5	2.6950	2.880
256QAM	20175	1732.5	2.6954	2.877
256QAM	20385	1753.5	2.6956	2.872

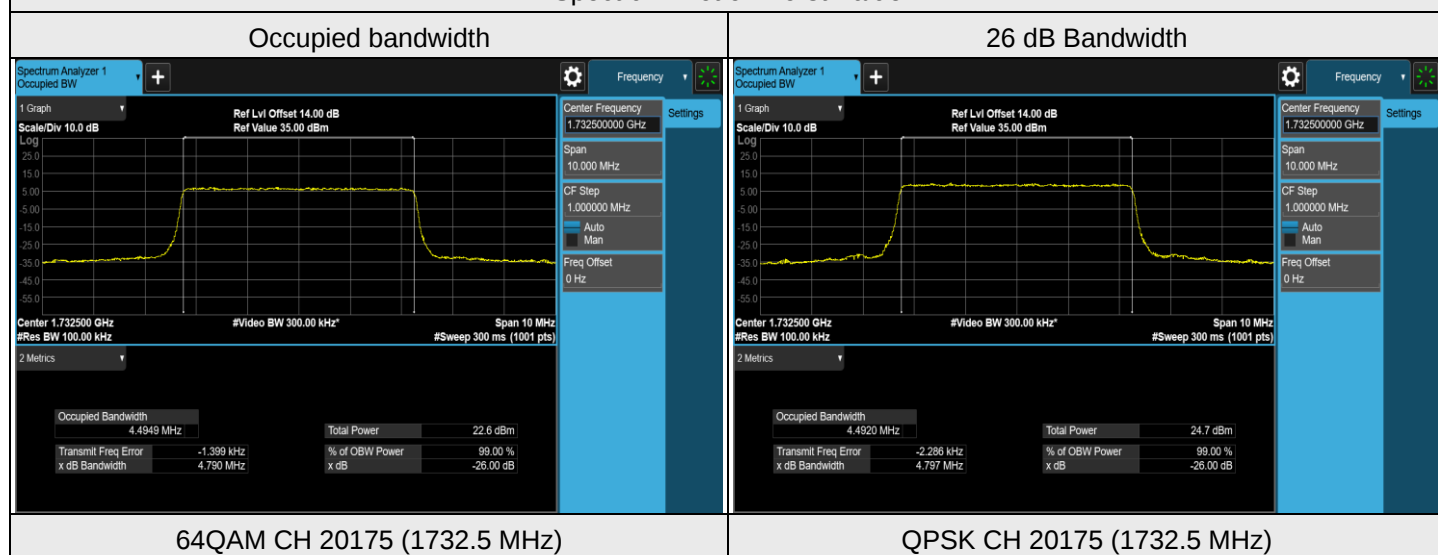
Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 5 MHz

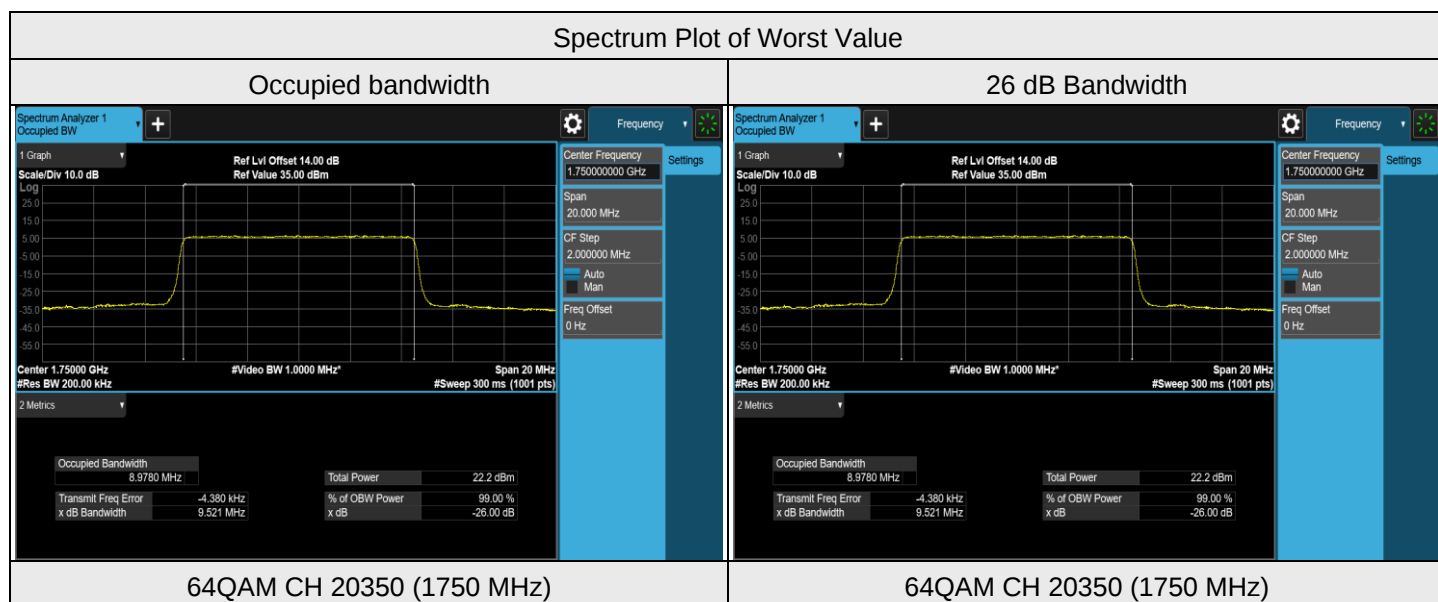
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	19975	1712.5	4.4924	4.773
QPSK	20175	1732.5	4.4920	4.797
QPSK	20375	1752.5	4.4941	4.787
16QAM	19975	1712.5	4.4897	4.777
16QAM	20175	1732.5	4.4920	4.778
16QAM	20375	1752.5	4.4876	4.779
64QAM	19975	1712.5	4.4912	4.791
64QAM	20175	1732.5	4.4949	4.790
64QAM	20375	1752.5	4.4923	4.794
256QAM	19975	1712.5	4.4872	4.788
256QAM	20175	1732.5	4.4875	4.785
256QAM	20375	1752.5	4.4886	4.785

Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 10 MHz

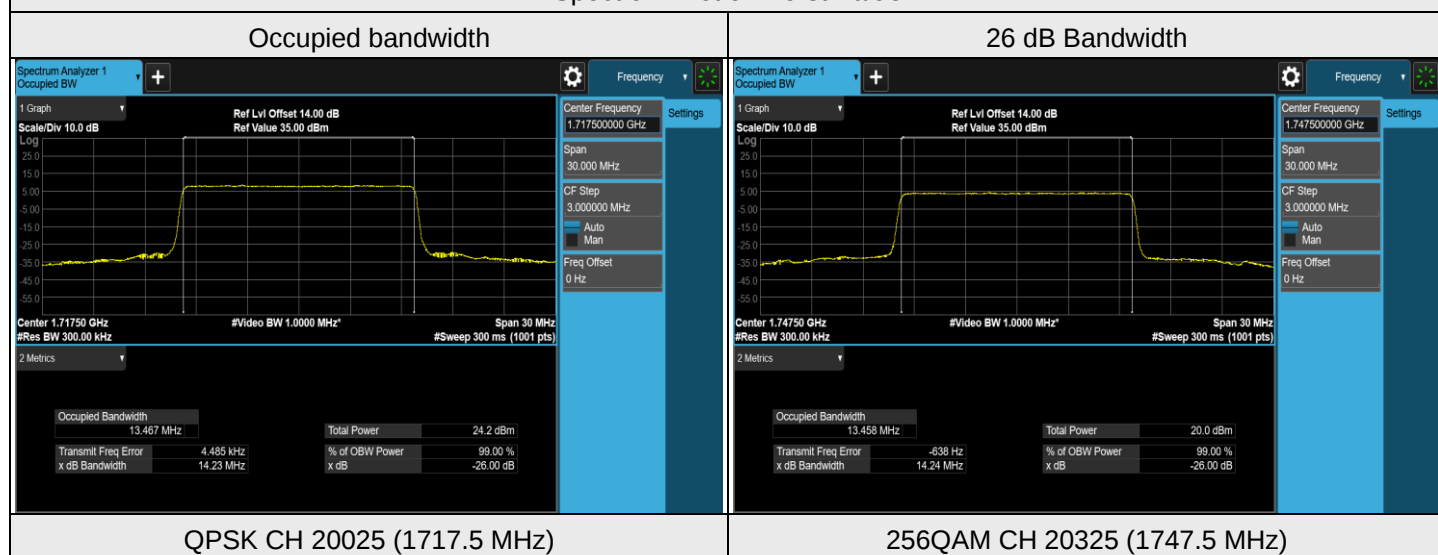
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20000	1715	8.9758	9.507
QPSK	20175	1732.5	8.9724	9.503
QPSK	20350	1750	8.9741	9.514
16QAM	20000	1715	8.9700	9.496
16QAM	20175	1732.5	8.9742	9.495
16QAM	20350	1750	8.9716	9.503
64QAM	20000	1715	8.9751	9.518
64QAM	20175	1732.5	8.9763	9.518
64QAM	20350	1750	8.9780	9.521
256QAM	20000	1715	8.9736	9.504
256QAM	20175	1732.5	8.9686	9.510
256QAM	20350	1750	8.9714	9.512



LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20025	1717.5	13.4668	14.232
QPSK	20175	1732.5	13.4570	14.233
QPSK	20325	1747.5	13.4641	14.239
16QAM	20025	1717.5	13.4503	14.234
16QAM	20175	1732.5	13.4516	14.228
16QAM	20325	1747.5	13.4518	14.238
64QAM	20025	1717.5	13.4492	14.226
64QAM	20175	1732.5	13.4487	14.226
64QAM	20325	1747.5	13.4440	14.232
256QAM	20025	1717.5	13.4538	14.227
256QAM	20175	1732.5	13.4550	14.231
256QAM	20325	1747.5	13.4582	14.242

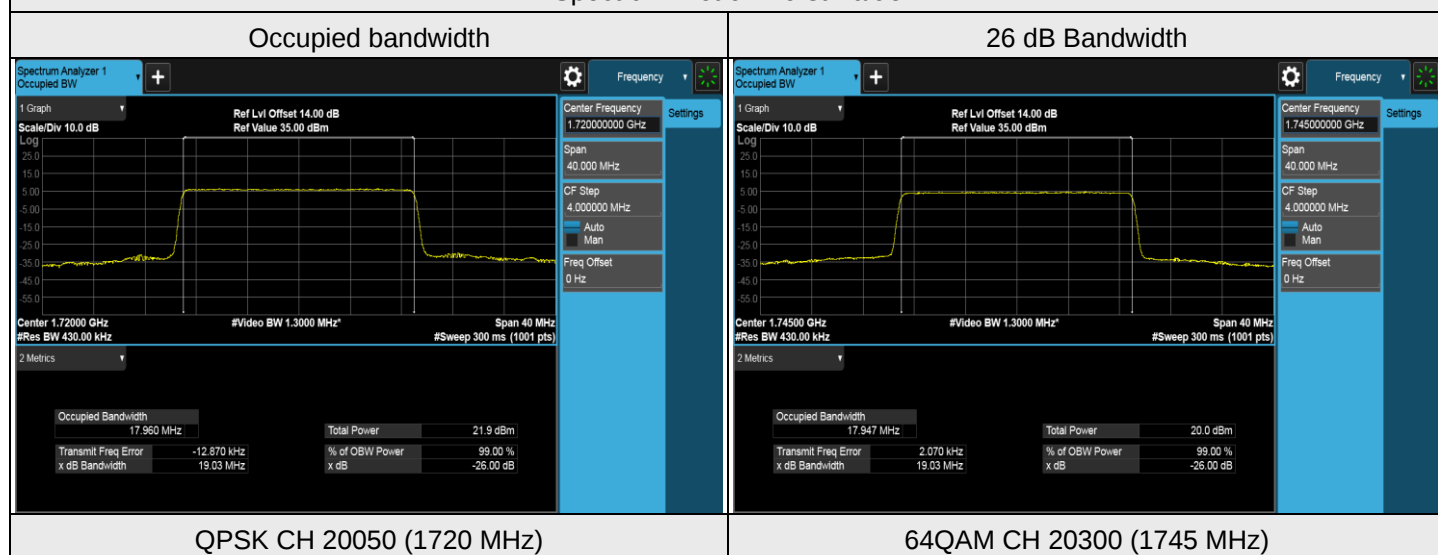
Spectrum Plot of Worst Value



LTE Band 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20050	1720	17.9601	19.028
QPSK	20175	1732.5	17.9454	19.023
QPSK	20300	1745	17.9403	19.022
16QAM	20050	1720	17.9553	19.028
16QAM	20175	1732.5	17.9499	19.026
16QAM	20300	1745	17.9441	19.018
64QAM	20050	1720	17.9488	19.032
64QAM	20175	1732.5	17.9484	19.028
64QAM	20300	1745	17.9468	19.034
256QAM	20050	1720	17.9491	19.025
256QAM	20175	1732.5	17.9559	19.027
256QAM	20300	1745	17.9507	19.027

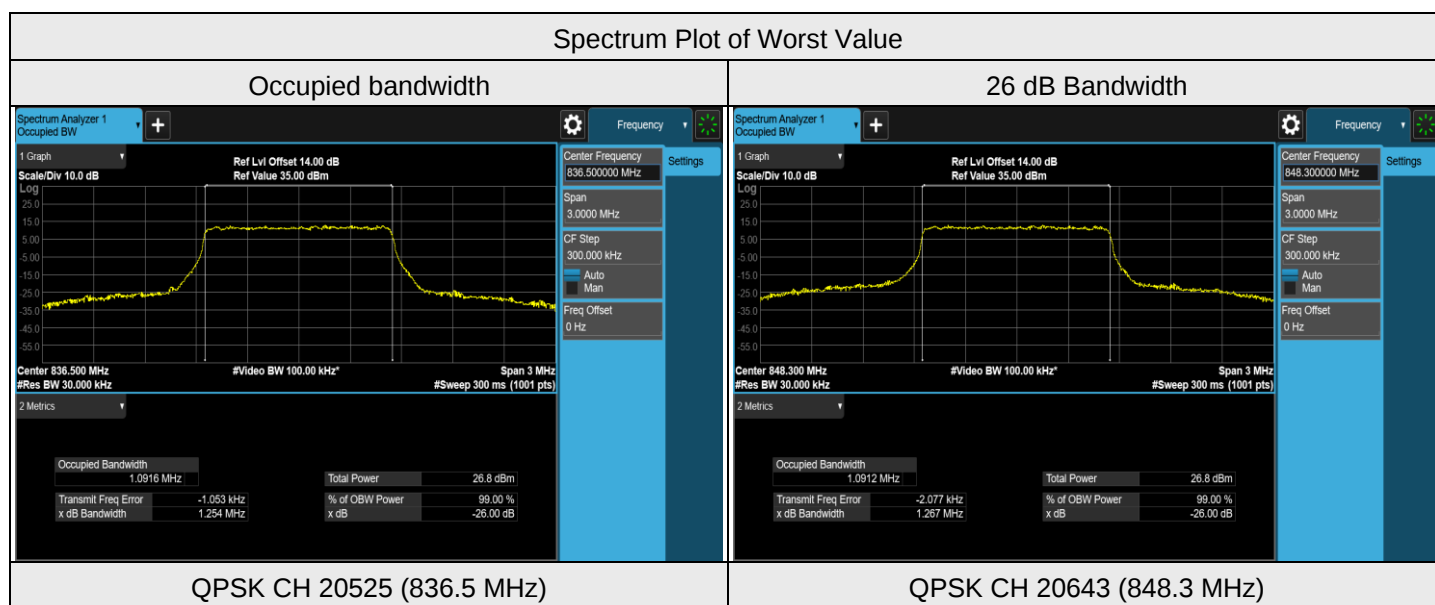
Spectrum Plot of Worst Value



7.4.3 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

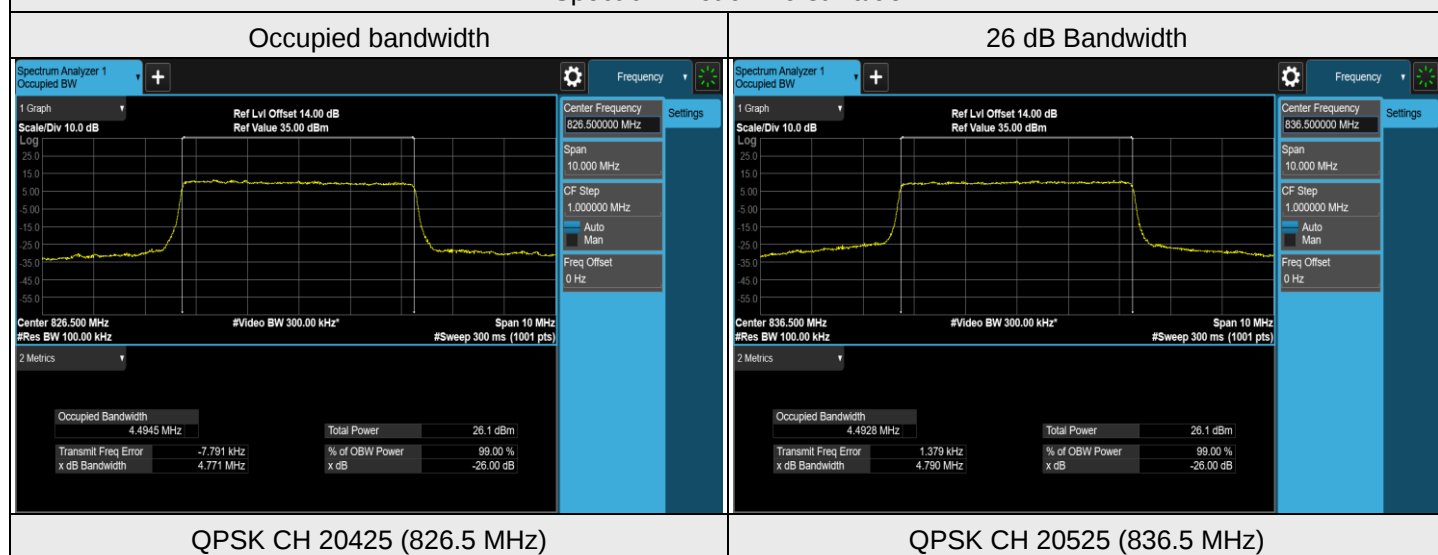
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20407	824.7	1.0877	1.254
QPSK	20525	836.5	1.0916	1.254
QPSK	20643	848.3	1.0912	1.267
16QAM	20407	824.7	1.0879	1.241
16QAM	20525	836.5	1.0885	1.250
16QAM	20643	848.3	1.0894	1.258
64QAM	20407	824.7	1.0886	1.251
64QAM	20525	836.5	1.0890	1.254
64QAM	20643	848.3	1.0892	1.258
256QAM	20407	824.7	1.0835	1.238
256QAM	20525	836.5	1.0837	1.242
256QAM	20643	848.3	1.0835	1.232



LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20425	826.5	4.4945	4.771
QPSK	20525	836.5	4.4928	4.790
QPSK	20625	846.5	4.4905	4.784
16QAM	20425	826.5	4.4897	4.770
16QAM	20525	836.5	4.4886	4.773
16QAM	20625	846.5	4.4894	4.784
64QAM	20425	826.5	4.4933	4.786
64QAM	20525	836.5	4.4934	4.788
64QAM	20625	846.5	4.4940	4.788
256QAM	20425	826.5	4.4872	4.771
256QAM	20525	836.5	4.4826	4.787
256QAM	20625	846.5	4.4853	4.778

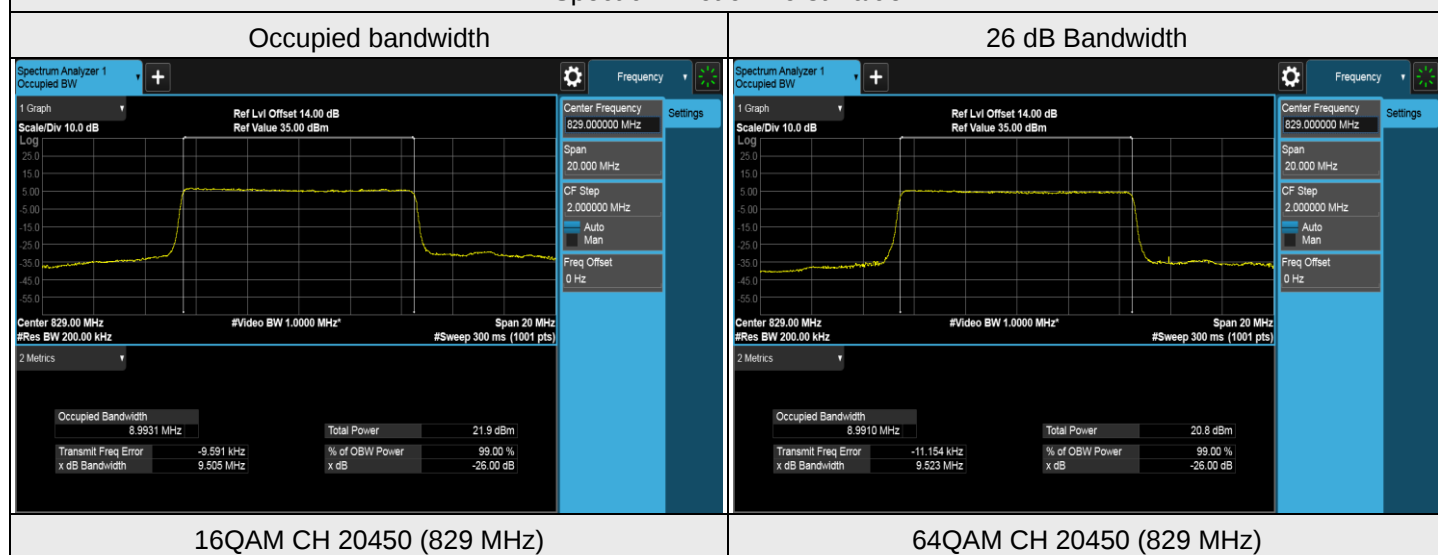
Spectrum Plot of Worst Value



LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20450	829	8.9921	9.508
QPSK	20525	836.5	8.9604	9.504
QPSK	20600	844	8.9715	9.496
16QAM	20450	829	8.9931	9.505
16QAM	20525	836.5	8.9594	9.494
16QAM	20600	844	8.9705	9.494
64QAM	20450	829	8.9910	9.523
64QAM	20525	836.5	8.9631	9.501
64QAM	20600	844	8.9753	9.516
256QAM	20450	829	8.9879	9.513
256QAM	20525	836.5	8.9624	9.495
256QAM	20600	844	8.9725	9.496

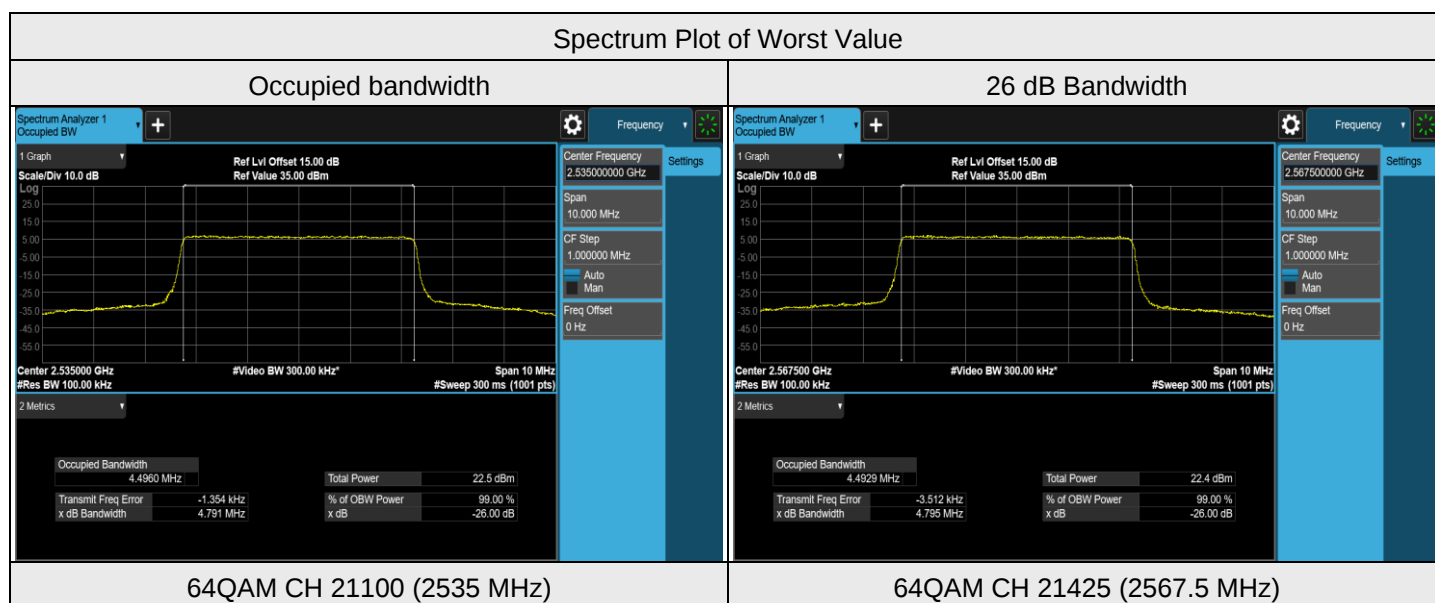
Spectrum Plot of Worst Value



7.4.4 LTE Band 7

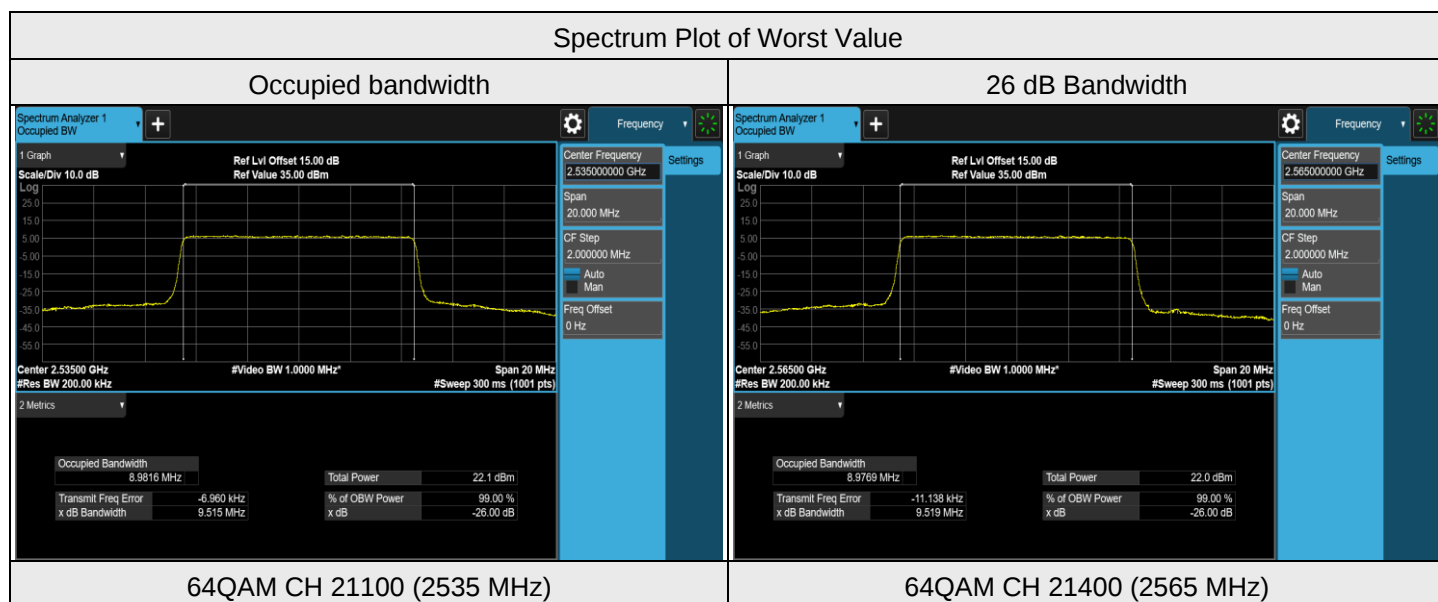
LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20775	2502.5	4.4935	4.738
QPSK	21100	2535	4.4878	4.725
QPSK	21425	2567.5	4.4853	4.704
16QAM	20775	2502.5	4.4885	4.776
16QAM	21100	2535	4.4868	4.717
16QAM	21425	2567.5	4.4865	4.774
64QAM	20775	2502.5	4.4828	4.678
64QAM	21100	2535	4.4960	4.791
64QAM	21425	2567.5	4.4929	4.795
256QAM	20775	2502.5	4.4887	4.776
256QAM	21100	2535	4.4876	4.773
256QAM	21425	2567.5	4.4742	4.674



LTE Band 7, Channel Bandwidth: 10 MHz

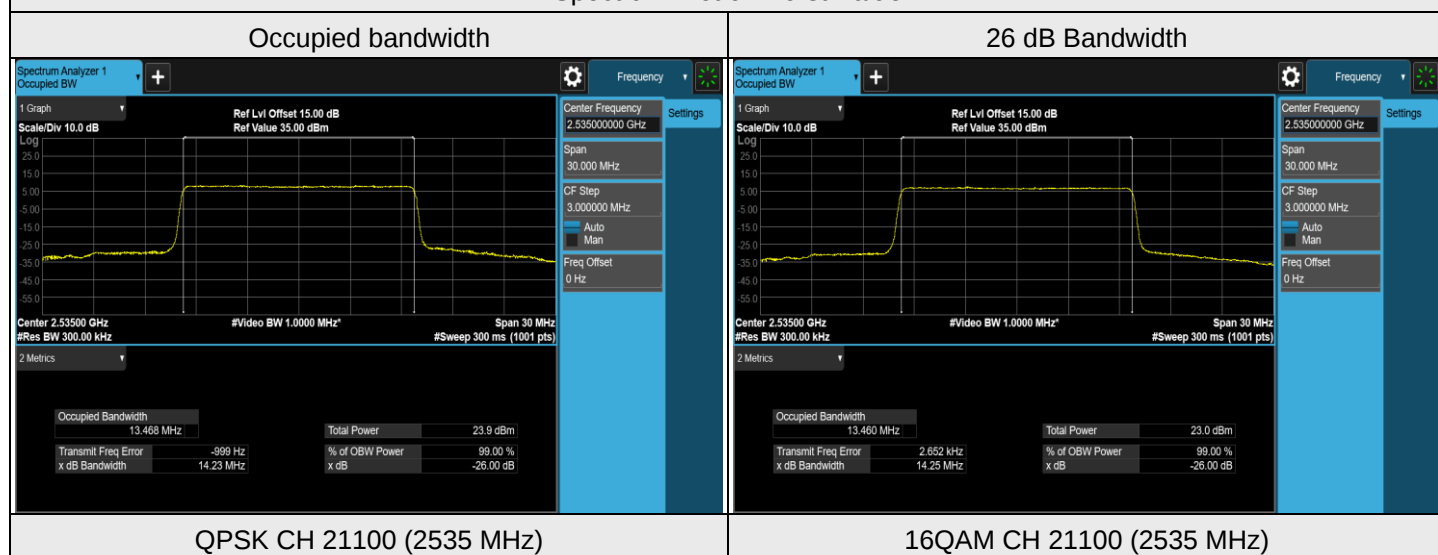
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20800	2505	8.9721	9.510
QPSK	21100	2535	8.9752	9.507
QPSK	21400	2565	8.9744	9.456
16QAM	20800	2505	8.9698	9.501
16QAM	21100	2535	8.9755	9.511
16QAM	21400	2565	8.9653	9.504
64QAM	20800	2505	8.9706	9.499
64QAM	21100	2535	8.9816	9.515
64QAM	21400	2565	8.9769	9.519
256QAM	20800	2505	8.9637	9.506
256QAM	21100	2535	8.9640	9.463
256QAM	21400	2565	8.9686	9.504



LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	20825	2507.5	13.4133	14.010
QPSK	21100	2535	13.4680	14.228
QPSK	21375	2562.5	13.4346	14.017
16QAM	20825	2507.5	13.4356	14.222
16QAM	21100	2535	13.4598	14.253
16QAM	21375	2562.5	13.4513	14.222
64QAM	20825	2507.5	13.4382	14.219
64QAM	21100	2535	13.4494	14.222
64QAM	21375	2562.5	13.4431	14.218
256QAM	20825	2507.5	13.4386	14.236
256QAM	21100	2535	13.4185	13.922
256QAM	21375	2562.5	13.4531	14.238

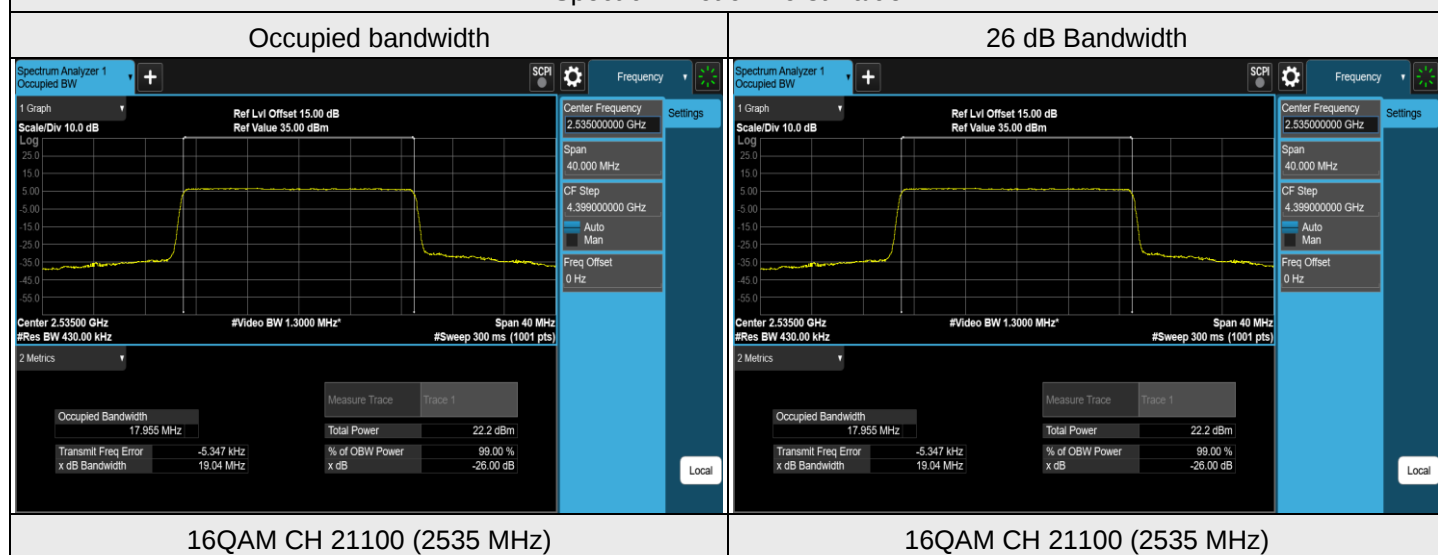
Spectrum Plot of Worst Value



LTE Band 7, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20850	2510	17.9481	19.025
QPSK	21100	2535	17.9486	19.021
QPSK	21350	2560	17.9324	19.028
16QAM	20850	2510	17.9282	19.012
16QAM	21100	2535	17.9551	19.037
16QAM	21350	2560	17.9505	19.021
64QAM	20850	2510	17.9245	19.017
64QAM	21100	2535	17.9487	19.031
64QAM	21350	2560	17.9400	19.024
256QAM	20850	2510	17.9071	19.006
256QAM	21100	2535	17.9393	19.026
256QAM	21350	2560	17.9202	19.005

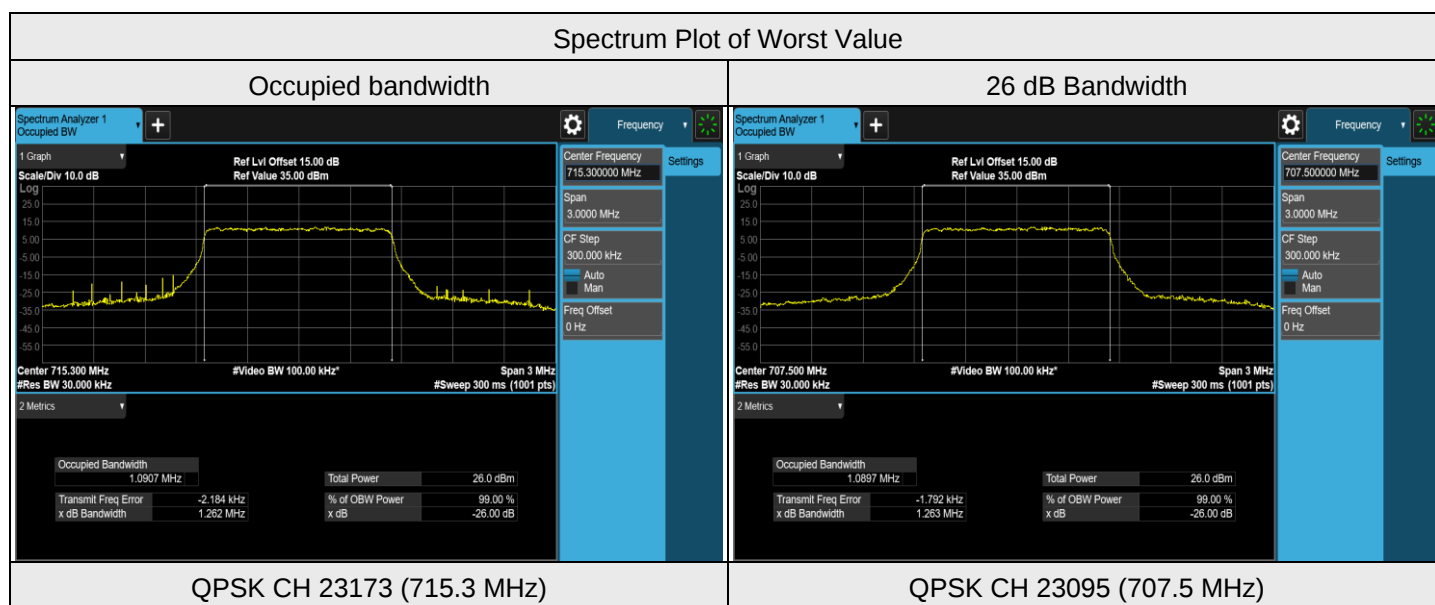
Spectrum Plot of Worst Value



7.4.5 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

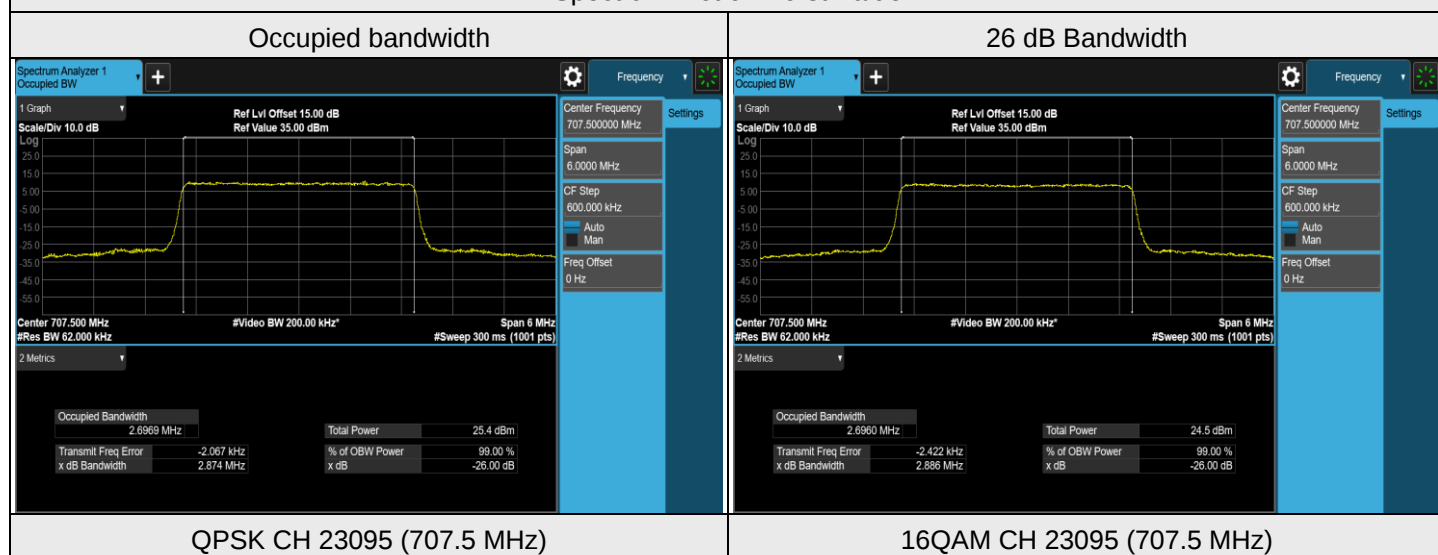
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	23017	699.7	1.0872	1.246
QPSK	23095	707.5	1.0897	1.263
QPSK	23173	715.3	1.0907	1.262
16QAM	23017	699.7	1.0867	1.218
16QAM	23095	707.5	1.0888	1.254
16QAM	23173	715.3	1.0873	1.247
64QAM	23017	699.7	1.0873	1.224
64QAM	23095	707.5	1.0888	1.249
64QAM	23173	715.3	1.0889	1.250
256QAM	23017	699.7	1.0835	1.220
256QAM	23095	707.5	1.0807	1.174
256QAM	23173	715.3	1.0829	1.201



LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	23025	700.5	2.6917	2.884
QPSK	23095	707.5	2.6969	2.874
QPSK	23165	714.5	2.6925	2.875
16QAM	23025	700.5	2.6946	2.885
16QAM	23095	707.5	2.6960	2.886
16QAM	23165	714.5	2.6937	2.881
64QAM	23025	700.5	2.6844	2.801
64QAM	23095	707.5	2.6928	2.811
64QAM	23165	714.5	2.6920	2.841
256QAM	23025	700.5	2.6955	2.881
256QAM	23095	707.5	2.6868	2.815
256QAM	23165	714.5	2.6859	2.787

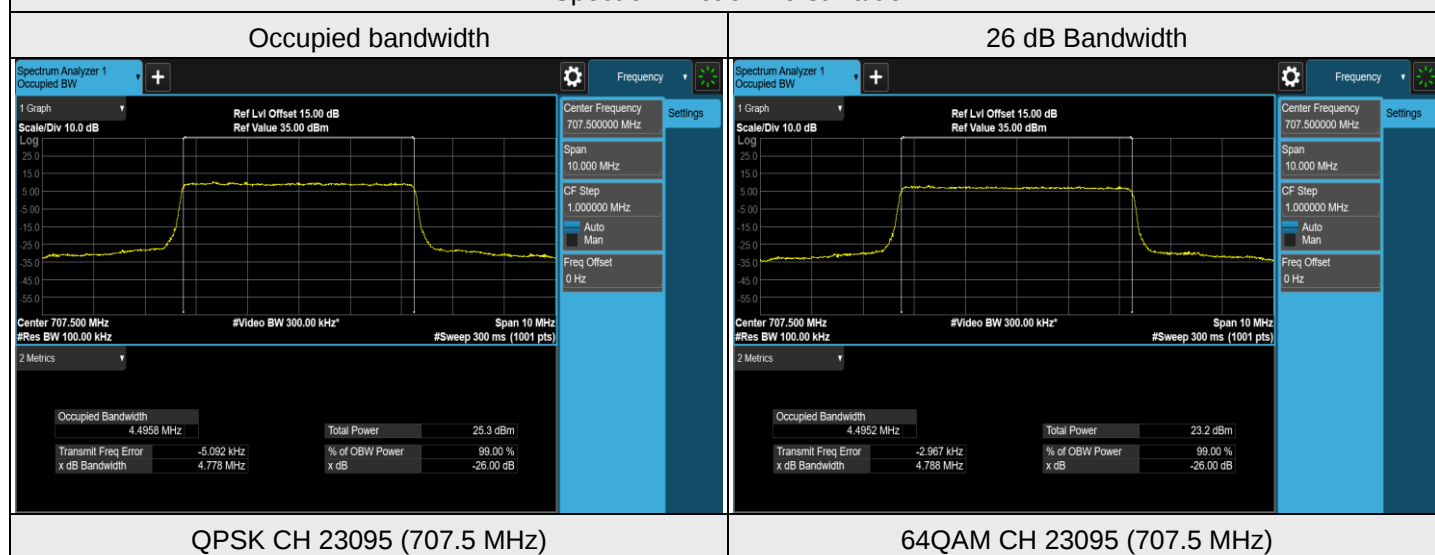
Spectrum Plot of Worst Value



LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	23035	701.5	4.4829	4.707
QPSK	23095	707.5	4.4958	4.778
QPSK	23155	713.5	4.4880	4.780
16QAM	23035	701.5	4.4855	4.721
16QAM	23095	707.5	4.4941	4.784
16QAM	23155	713.5	4.4840	4.766
64QAM	23035	701.5	4.4707	4.690
64QAM	23095	707.5	4.4952	4.788
64QAM	23155	713.5	4.4849	4.781
256QAM	23035	701.5	4.4597	4.674
256QAM	23095	707.5	4.4745	4.704
256QAM	23155	713.5	4.4818	4.785

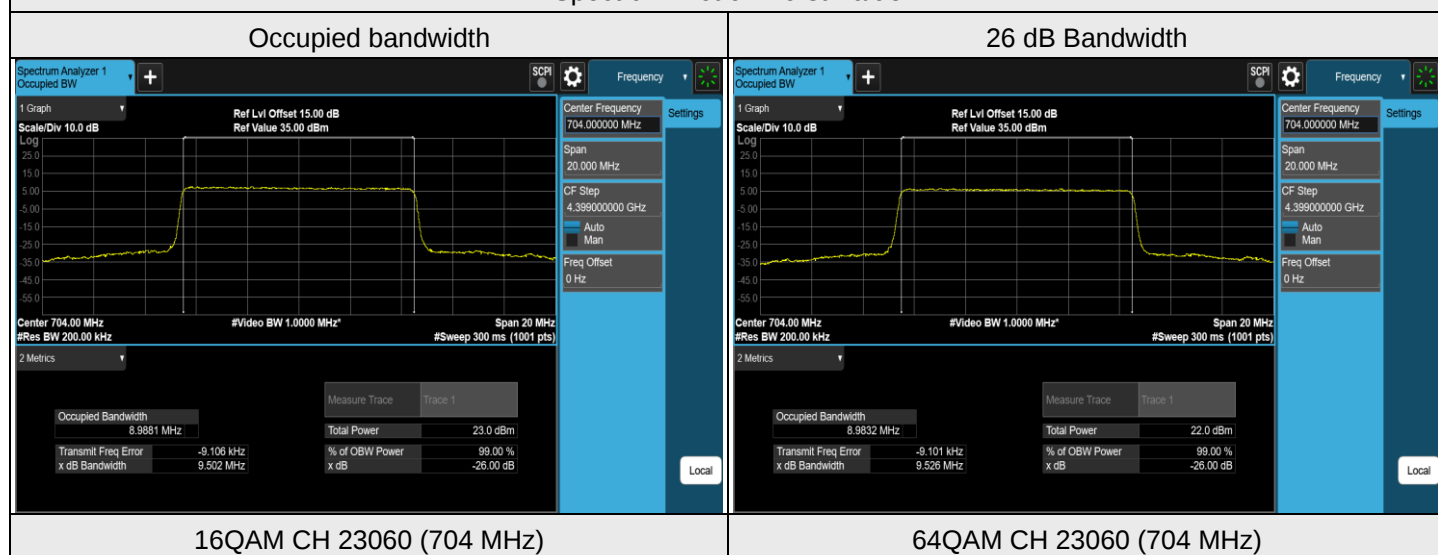
Spectrum Plot of Worst Value



LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	8.9725	9.511
QPSK	23095	707.5	8.9819	9.517
QPSK	23130	711	8.9568	9.486
16QAM	23060	704	8.9881	9.502
16QAM	23095	707.5	8.9830	9.496
16QAM	23130	711	8.9544	9.498
64QAM	23060	704	8.9832	9.526
64QAM	23095	707.5	8.9787	9.519
64QAM	23130	711	8.9611	9.500
256QAM	23060	704	8.9697	9.513
256QAM	23095	707.5	8.9770	9.511
256QAM	23130	711	8.9616	9.502

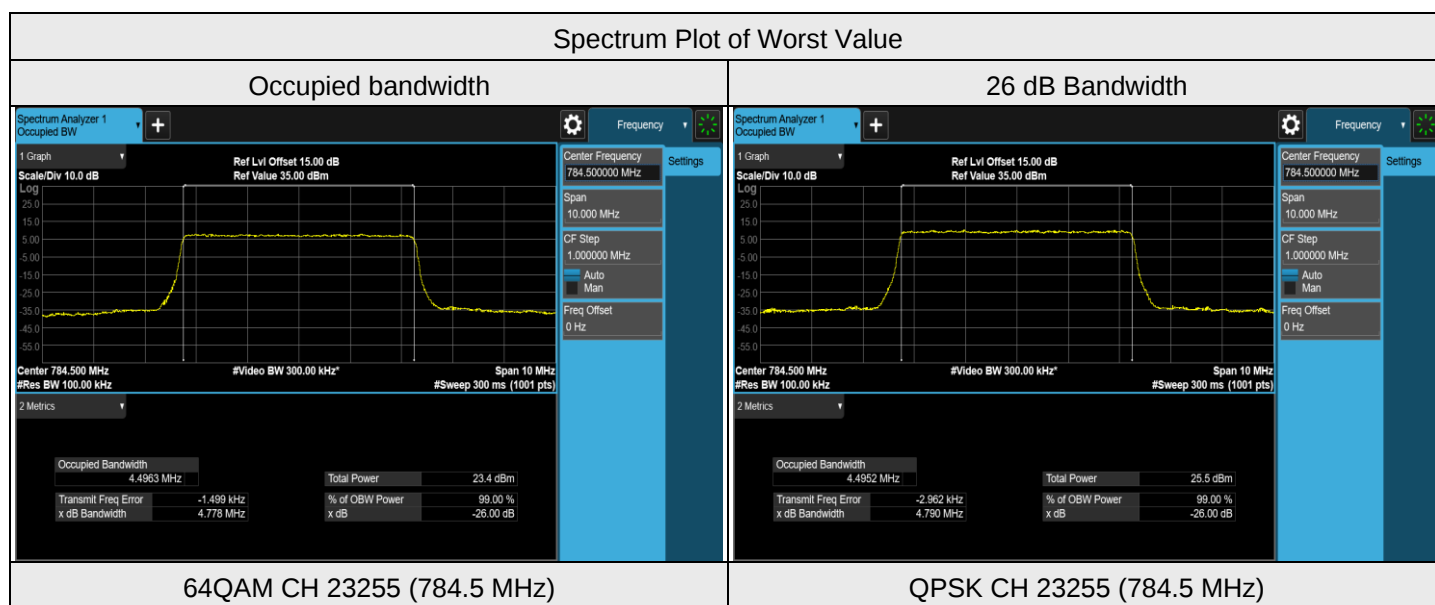
Spectrum Plot of Worst Value



7.4.6 LTE Band 13

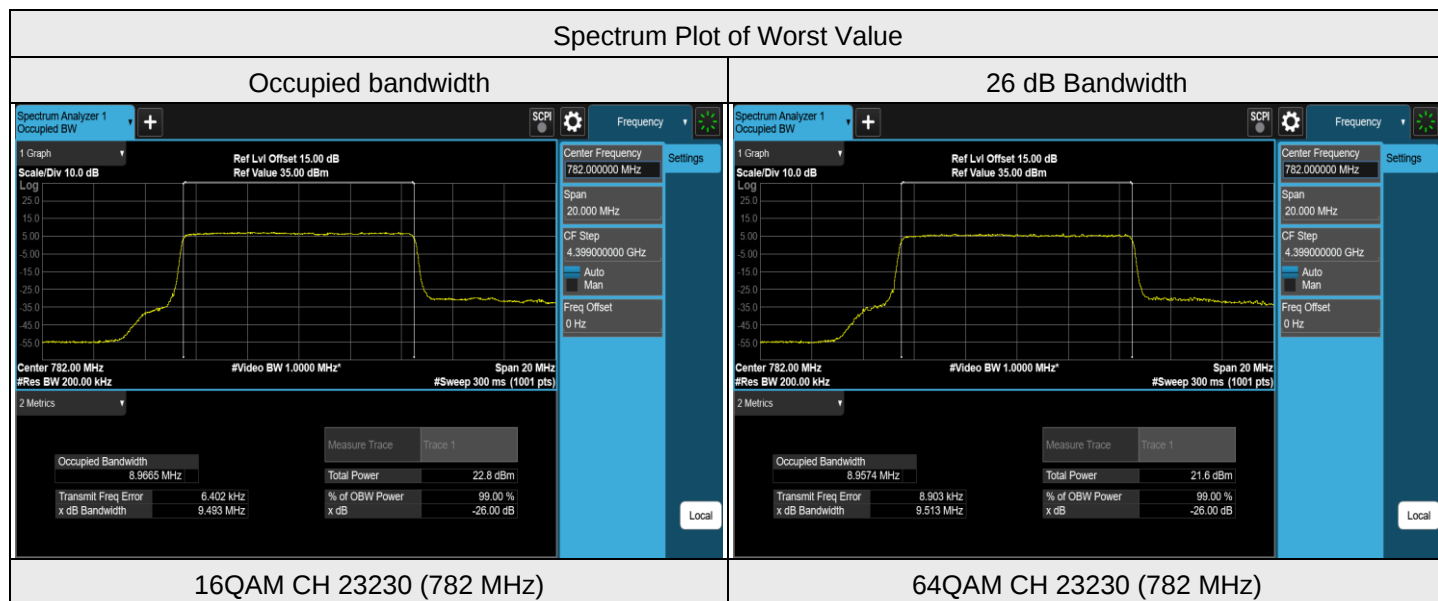
LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	23205	779.5	4.4804	4.761
QPSK	23230	782	4.4899	4.775
QPSK	23255	784.5	4.4952	4.790
16QAM	23205	779.5	4.4824	4.771
16QAM	23230	782	4.4858	4.773
16QAM	23255	784.5	4.4902	4.773
64QAM	23205	779.5	4.4857	4.772
64QAM	23230	782	4.4917	4.790
64QAM	23255	784.5	4.4963	4.778
256QAM	23205	779.5	4.4673	4.677
256QAM	23230	782	4.4851	4.783
256QAM	23255	784.5	4.4887	4.767



LTE Band 13, Channel Bandwidth: 10 MHz

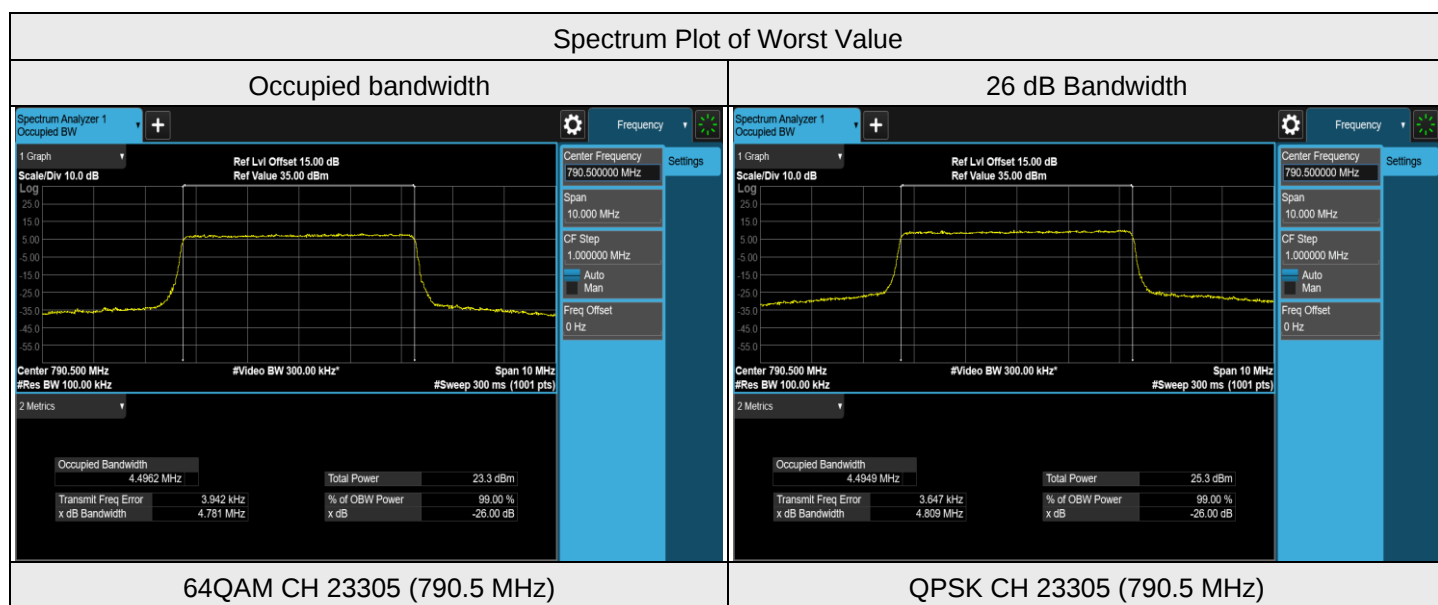
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23230	782	8.9558	9.495
16QAM	23230	782	8.9665	9.493
64QAM	23230	782	8.9574	9.513
256QAM	23230	782	8.9532	9.494



7.4.7 LTE Band 14

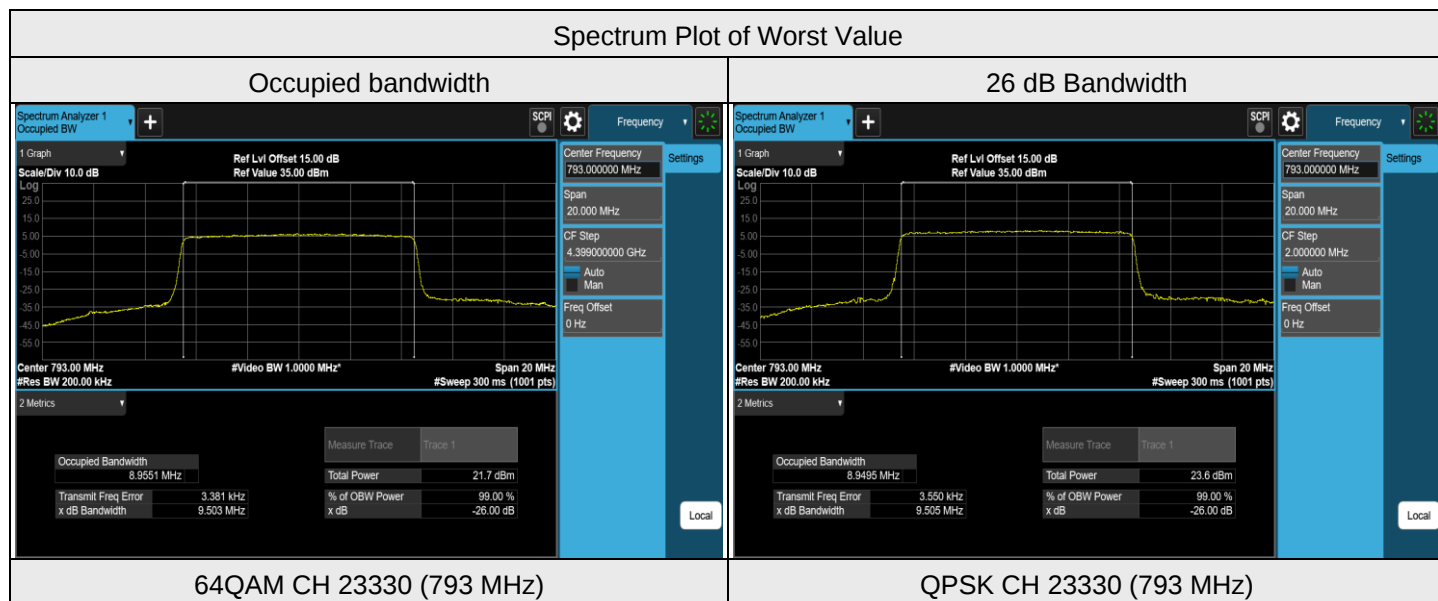
LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	23305	790.5	4.4949	4.809
QPSK	23330	793	4.4917	4.793
QPSK	23355	795.5	4.4934	4.789
16QAM	23305	790.5	4.4920	4.773
16QAM	23330	793	4.4886	4.792
16QAM	23355	795.5	4.4909	4.783
64QAM	23305	790.5	4.4962	4.781
64QAM	23330	793	4.4878	4.778
64QAM	23355	795.5	4.4941	4.780
256QAM	23305	790.5	4.4898	4.785
256QAM	23330	793	4.4820	4.785
256QAM	23355	795.5	4.4860	4.771



LTE Band 14, Channel Bandwidth: 10 MHz

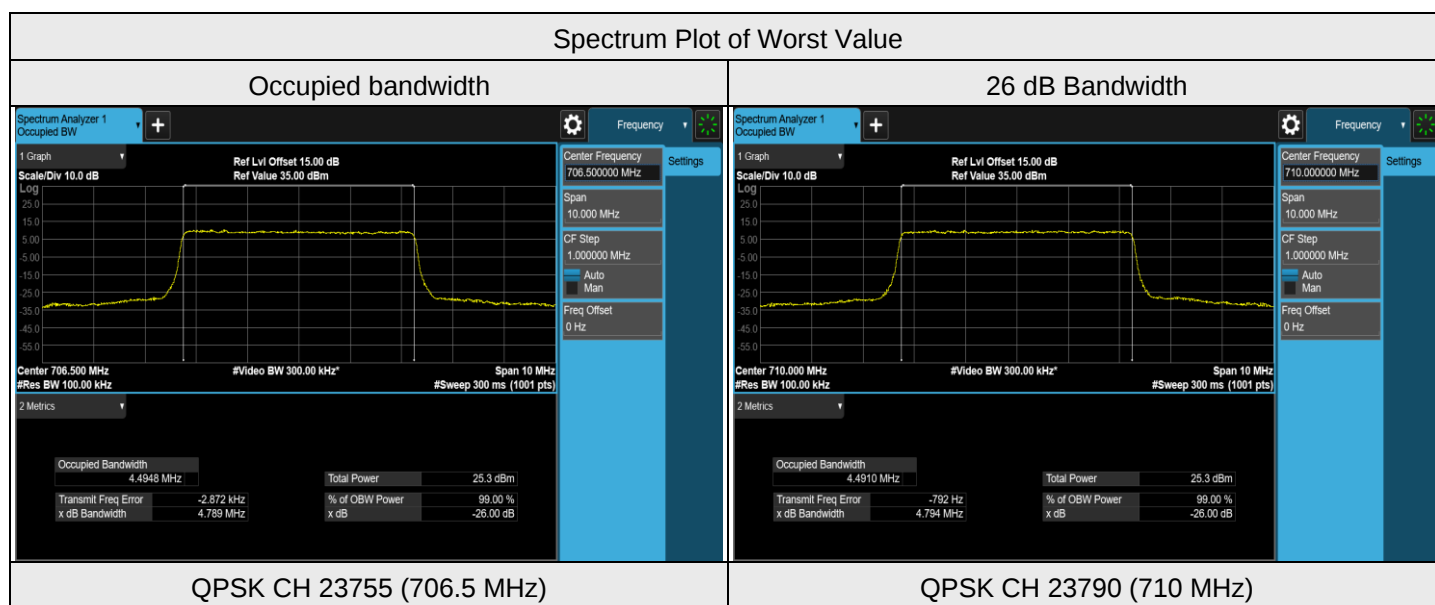
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23330	793	8.9495	9.505
16QAM	23330	793	8.9498	9.484
64QAM	23330	793	8.9551	9.503
256QAM	23330	793	8.9540	9.487



7.4.8 LTE Band 17

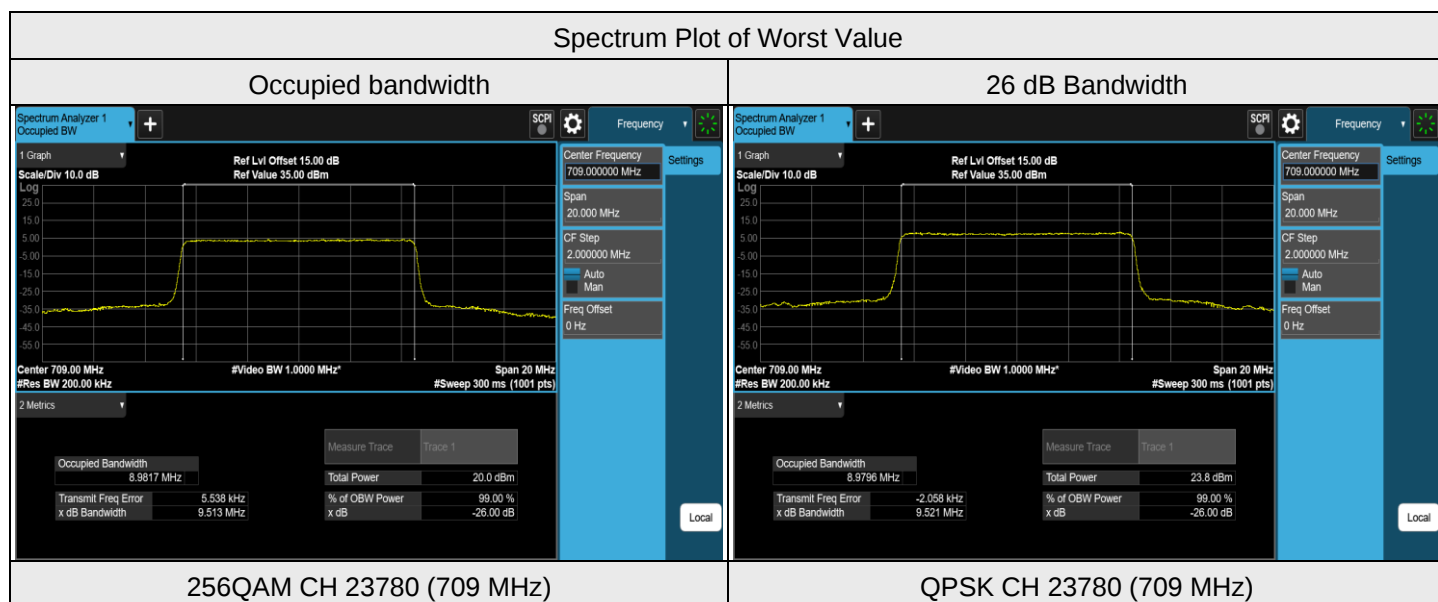
LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	23755	706.5	4.4948	4.789
QPSK	23790	710	4.4910	4.794
QPSK	23825	713.5	4.4866	4.788
16QAM	23755	706.5	4.4912	4.778
16QAM	23790	710	4.4910	4.782
16QAM	23825	713.5	4.4795	4.673
64QAM	23755	706.5	4.4895	4.778
64QAM	23790	710	4.4941	4.790
64QAM	23825	713.5	4.4884	4.783
256QAM	23755	706.5	4.4862	4.779
256QAM	23790	710	4.4865	4.774
256QAM	23825	713.5	4.4816	4.784



LTE Band 17, Channel Bandwidth: 10 MHz

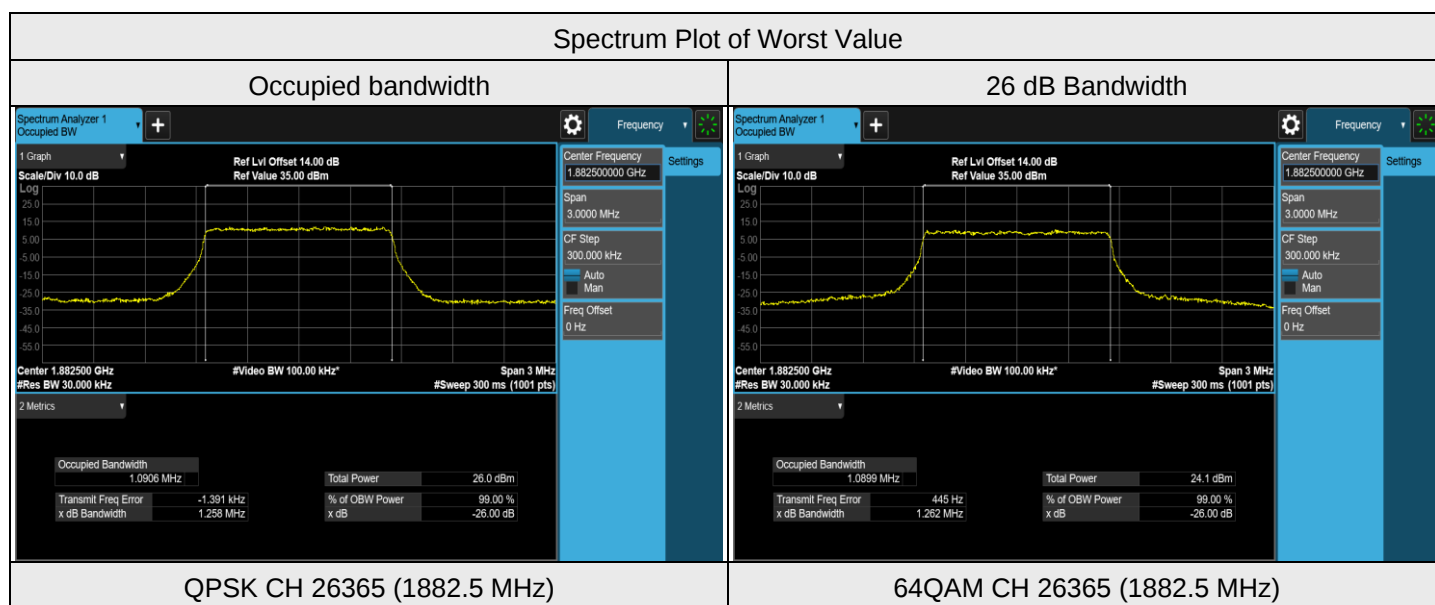
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23780	709	8.9796	9.521
QPSK	23790	710	8.9724	9.514
QPSK	23800	711	8.9597	9.485
16QAM	23780	709	8.9800	9.519
16QAM	23790	710	8.9651	9.489
16QAM	23800	711	8.9567	9.496
64QAM	23780	709	8.9756	9.509
64QAM	23790	710	8.9744	9.506
64QAM	23800	711	8.9588	9.496
256QAM	23780	709	8.9817	9.513
256QAM	23790	710	8.9647	9.507
256QAM	23800	711	8.9530	9.508



7.4.9 LTE Band 25

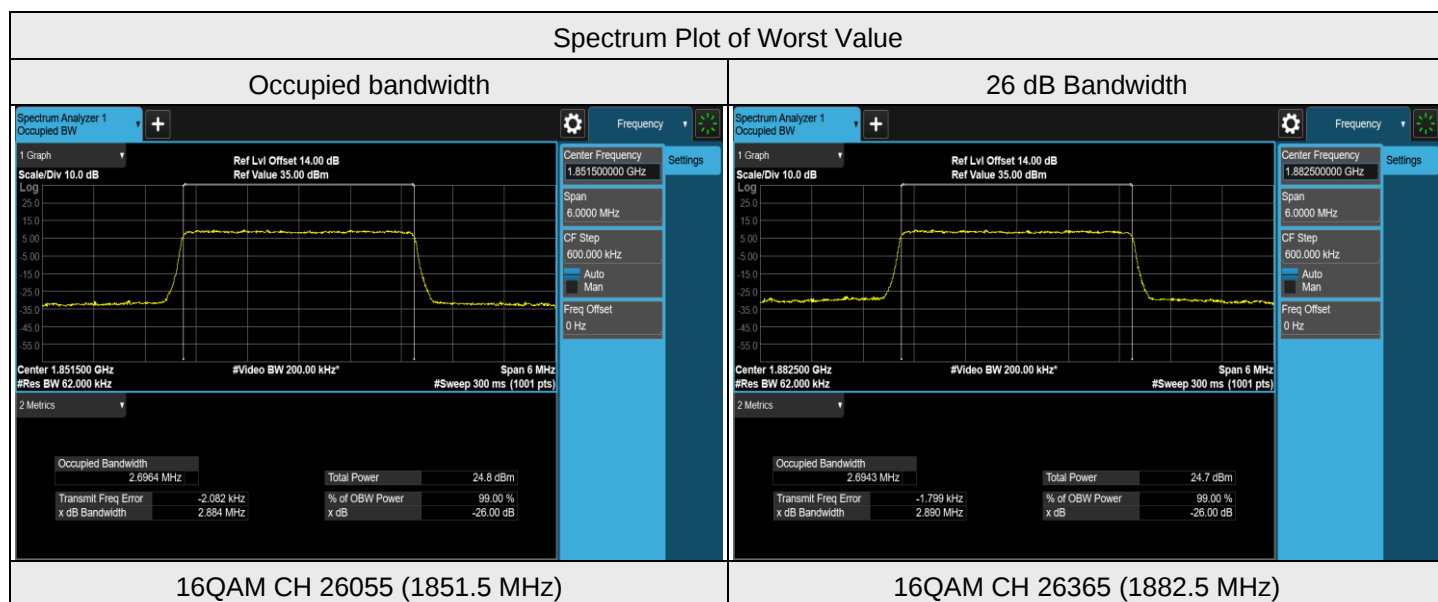
LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26047	1850.7	1.0880	1.257
QPSK	26365	1882.5	1.0906	1.258
QPSK	26683	1914.3	1.0906	1.256
16QAM	26047	1850.7	1.0877	1.246
16QAM	26365	1882.5	1.0882	1.251
16QAM	26683	1914.3	1.0878	1.250
64QAM	26047	1850.7	1.0881	1.259
64QAM	26365	1882.5	1.0899	1.262
64QAM	26683	1914.3	1.0893	1.251
256QAM	26047	1850.7	1.0844	1.237
256QAM	26365	1882.5	1.0858	1.236
256QAM	26683	1914.3	1.0842	1.231



LTE Band 25, Channel Bandwidth: 3 MHz

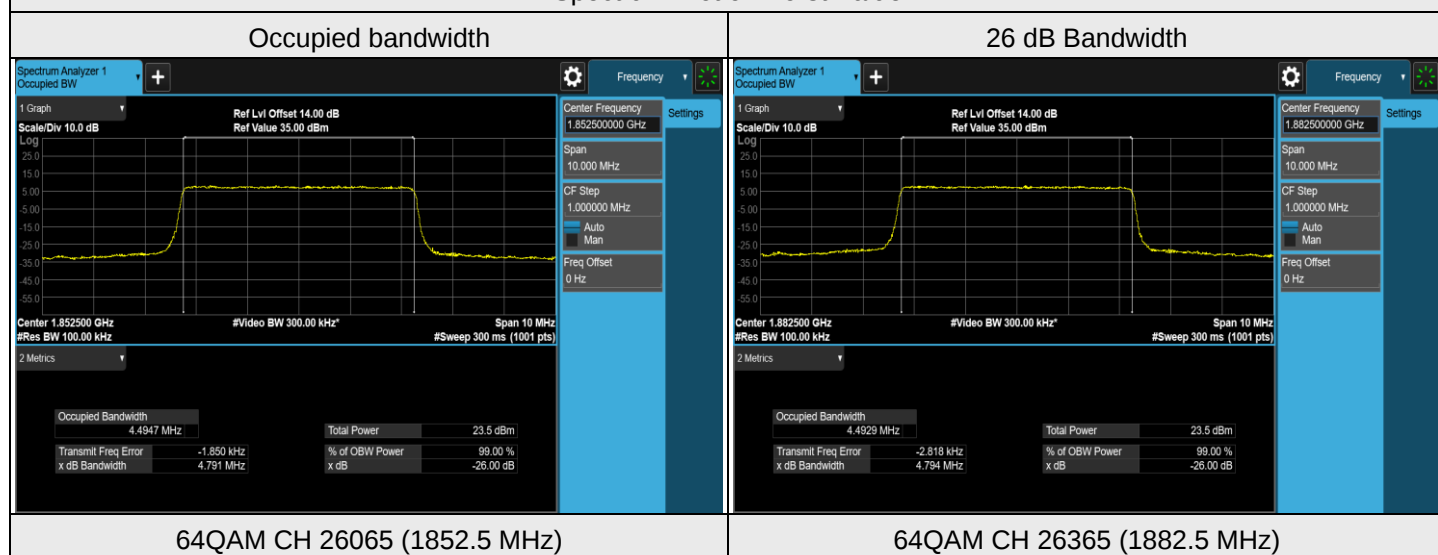
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26055	1851.5	2.6944	2.886
QPSK	26365	1882.5	2.6924	2.882
QPSK	26675	1913.5	2.6948	2.880
16QAM	26055	1851.5	2.6964	2.884
16QAM	26365	1882.5	2.6943	2.890
16QAM	26675	1913.5	2.6932	2.878
64QAM	26055	1851.5	2.6920	2.868
64QAM	26365	1882.5	2.6937	2.873
64QAM	26675	1913.5	2.6932	2.868
256QAM	26055	1851.5	2.6956	2.879
256QAM	26365	1882.5	2.6964	2.876
256QAM	26675	1913.5	2.6958	2.873



LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26065	1852.5	4.4942	4.787
QPSK	26365	1882.5	4.4933	4.788
QPSK	26665	1912.5	4.4921	4.772
16QAM	26065	1852.5	4.4899	4.779
16QAM	26365	1882.5	4.4911	4.788
16QAM	26665	1912.5	4.4900	4.778
64QAM	26065	1852.5	4.4947	4.791
64QAM	26365	1882.5	4.4929	4.794
64QAM	26665	1912.5	4.4935	4.785
256QAM	26065	1852.5	4.4878	4.784
256QAM	26365	1882.5	4.4886	4.788
256QAM	26665	1912.5	4.4861	4.779

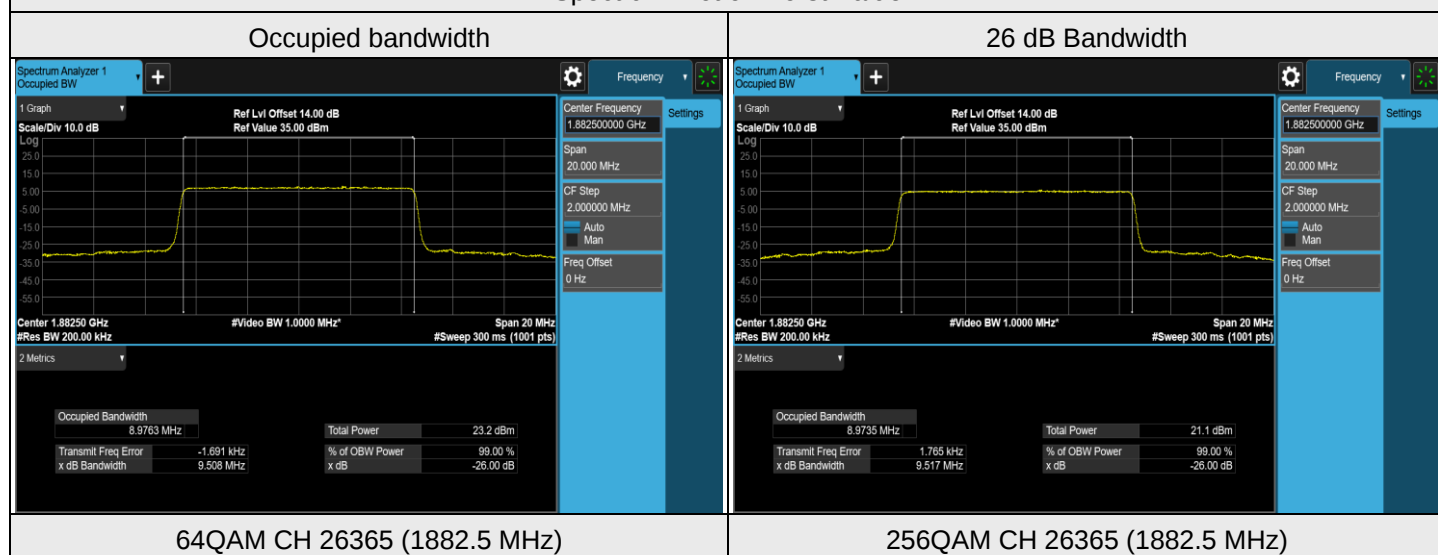
Spectrum Plot of Worst Value



LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26090	1855	8.9754	9.514
QPSK	26365	1882.5	8.9740	9.498
QPSK	26640	1910	8.9717	9.501
16QAM	26090	1855	8.9735	9.503
16QAM	26365	1882.5	8.9692	9.513
16QAM	26640	1910	8.9648	9.504
64QAM	26090	1855	8.9753	9.510
64QAM	26365	1882.5	8.9763	9.508
64QAM	26640	1910	8.9709	9.508
256QAM	26090	1855	8.9730	9.502
256QAM	26365	1882.5	8.9735	9.517
256QAM	26640	1910	8.9682	9.507

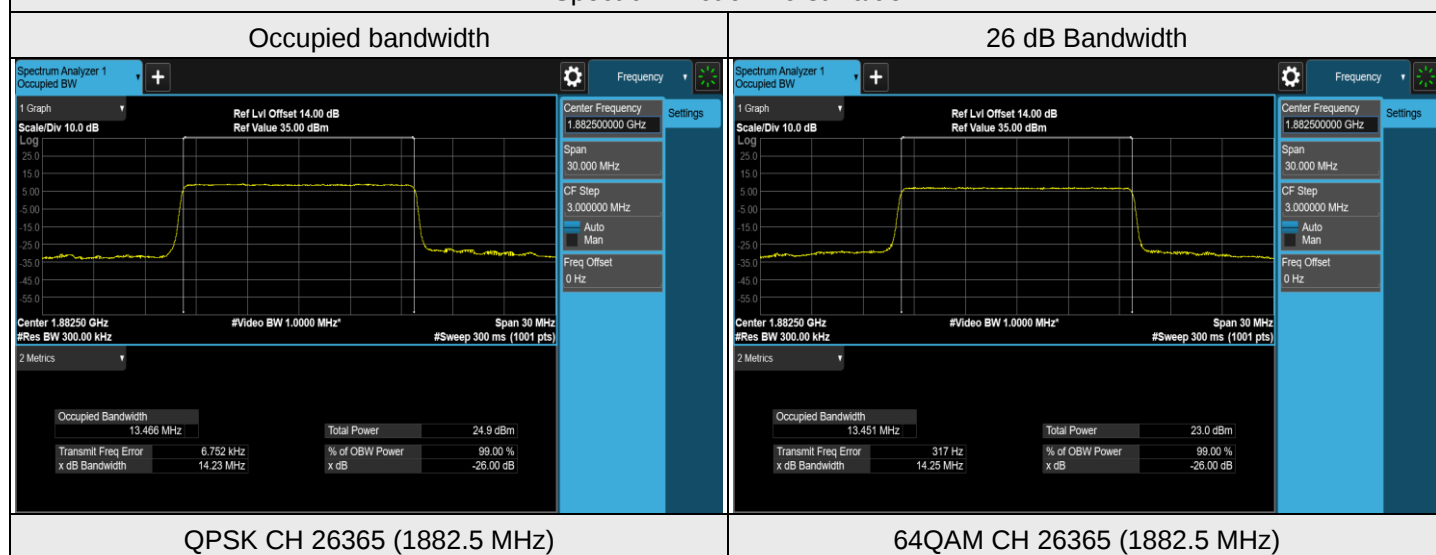
Spectrum Plot of Worst Value



LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26115	1857.5	13.4586	14.217
QPSK	26365	1882.5	13.4657	14.226
QPSK	26615	1907.5	13.4466	14.221
16QAM	26115	1857.5	13.4548	14.231
16QAM	26365	1882.5	13.4541	14.235
16QAM	26615	1907.5	13.4482	14.231
64QAM	26115	1857.5	13.4476	14.240
64QAM	26365	1882.5	13.4511	14.246
64QAM	26615	1907.5	13.4444	14.226
256QAM	26115	1857.5	13.4595	14.229
256QAM	26365	1882.5	13.4599	14.245
256QAM	26615	1907.5	13.4507	14.243

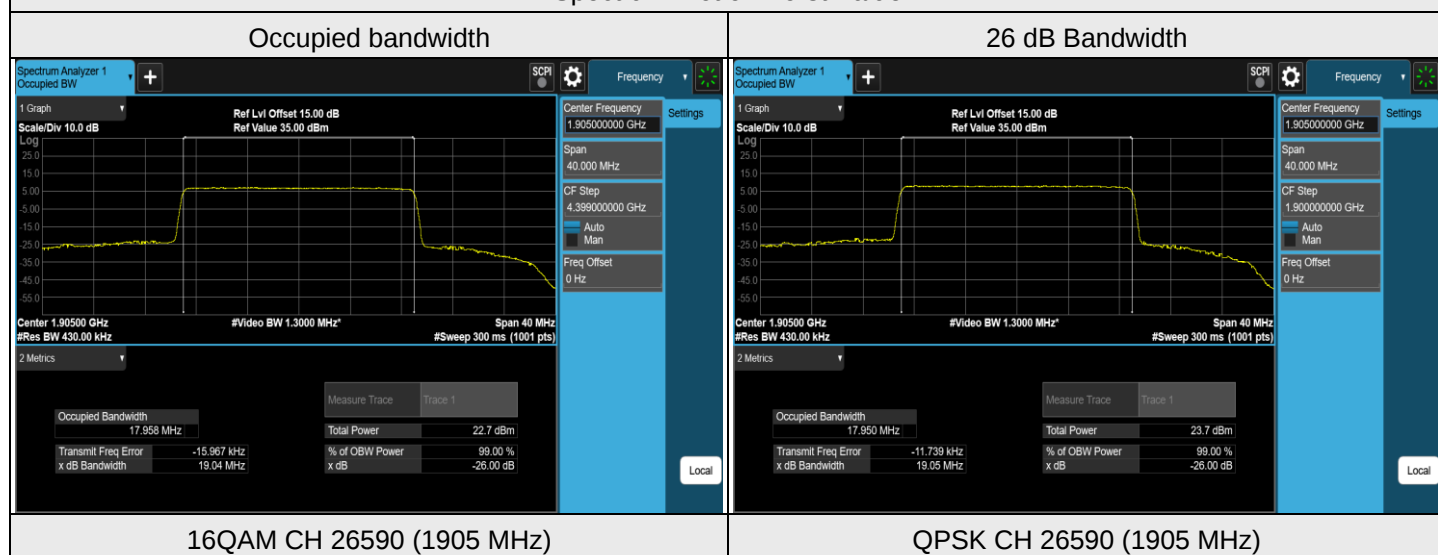
Spectrum Plot of Worst Value



LTE Band 25, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26140	1860	17.9362	19.015
QPSK	26365	1882.5	17.9403	19.037
QPSK	26590	1905	17.9497	19.052
16QAM	26140	1860	17.9433	19.024
16QAM	26365	1882.5	17.9494	19.032
16QAM	26590	1905	17.9575	19.038
64QAM	26140	1860	17.9448	19.024
64QAM	26365	1882.5	17.9480	19.037
64QAM	26590	1905	17.9539	19.049
256QAM	26140	1860	17.9325	19.034
256QAM	26365	1882.5	17.9462	19.028
256QAM	26590	1905	17.3765	18.431

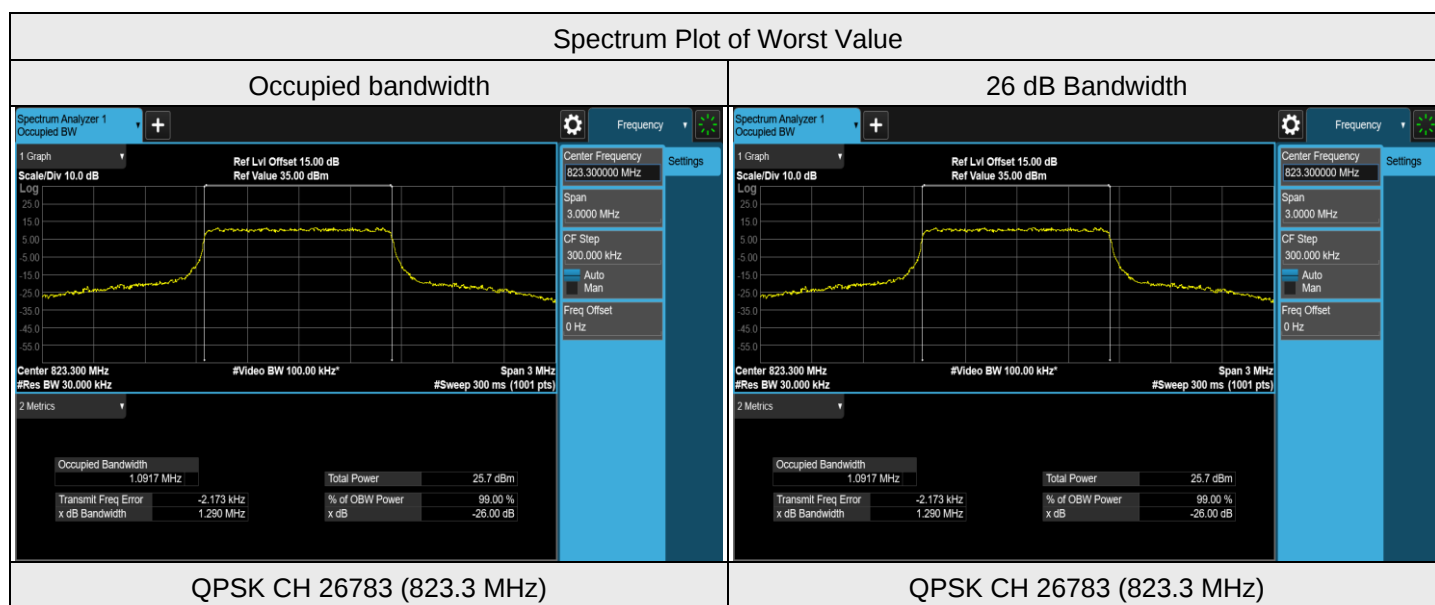
Spectrum Plot of Worst Value



7.4.10 LTE Band 26 (814 MHz ~ 824 MHz)

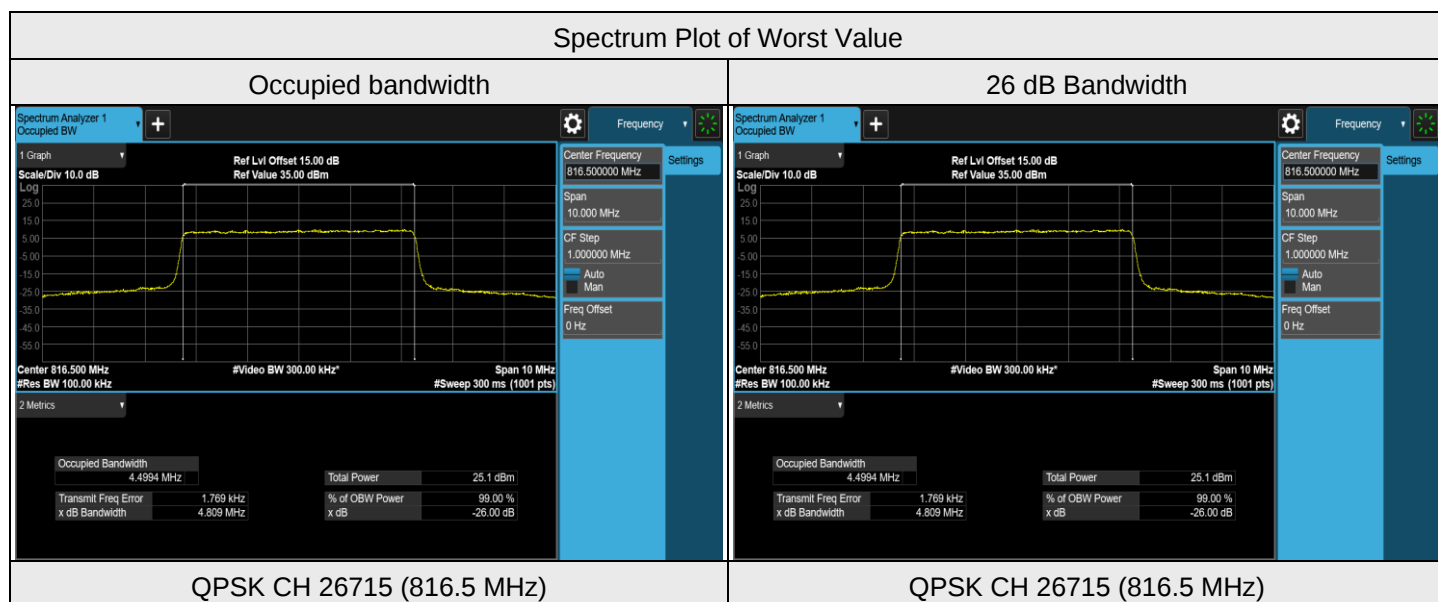
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26697	814.7	1.0891	1.259
QPSK	26740	819	1.0916	1.262
QPSK	26783	823.3	1.0917	1.290
16QAM	26697	814.7	1.0888	1.262
16QAM	26740	819	1.0886	1.250
16QAM	26783	823.3	1.0879	1.257
64QAM	26697	814.7	1.0892	1.255
64QAM	26740	819	1.0882	1.251
64QAM	26783	823.3	1.0888	1.255
256QAM	26697	814.7	1.0854	1.239
256QAM	26740	819	1.0848	1.238
256QAM	26783	823.3	1.0838	1.235



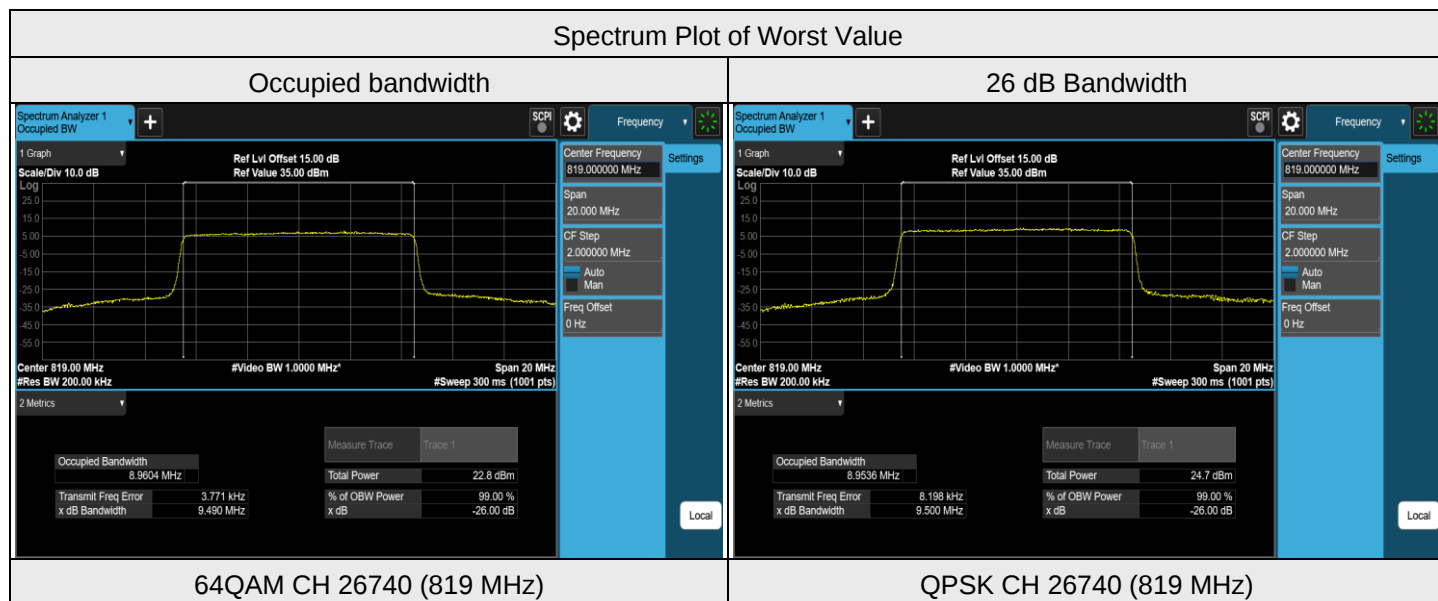
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26715	816.5	4.4994	4.809
QPSK	26740	819	4.4917	4.785
QPSK	26765	821.5	4.4911	4.790
16QAM	26715	816.5	4.4944	4.786
16QAM	26740	819	4.4879	4.781
16QAM	26765	821.5	4.4877	4.777
64QAM	26715	816.5	4.4980	4.792
64QAM	26740	819	4.4916	4.782
64QAM	26765	821.5	4.4877	4.776
256QAM	26715	816.5	4.4923	4.794
256QAM	26740	819	4.4827	4.785
256QAM	26765	821.5	4.4854	4.792



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

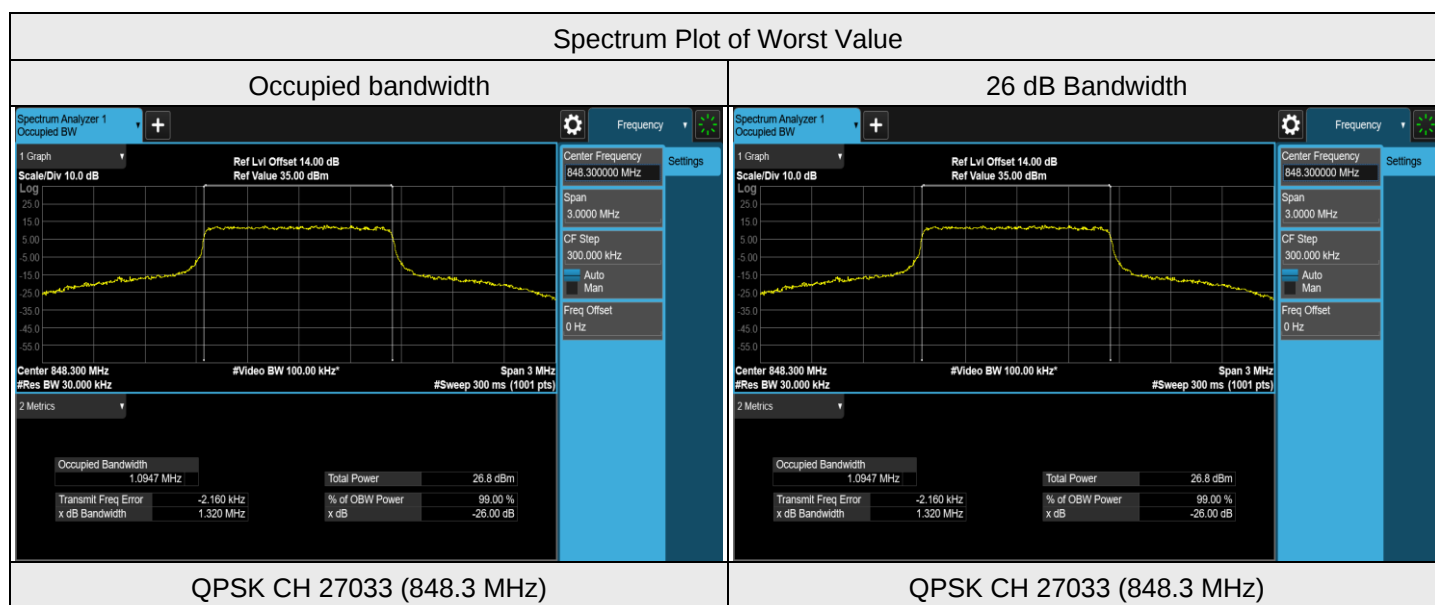
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26740	819	8.9536	9.500
16QAM	26740	819	8.9521	9.492
64QAM	26740	819	8.9604	9.490
256QAM	26740	819	8.9579	9.492



7.4.11 LTE Band 26 (824 MHz ~ 849 MHz)

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

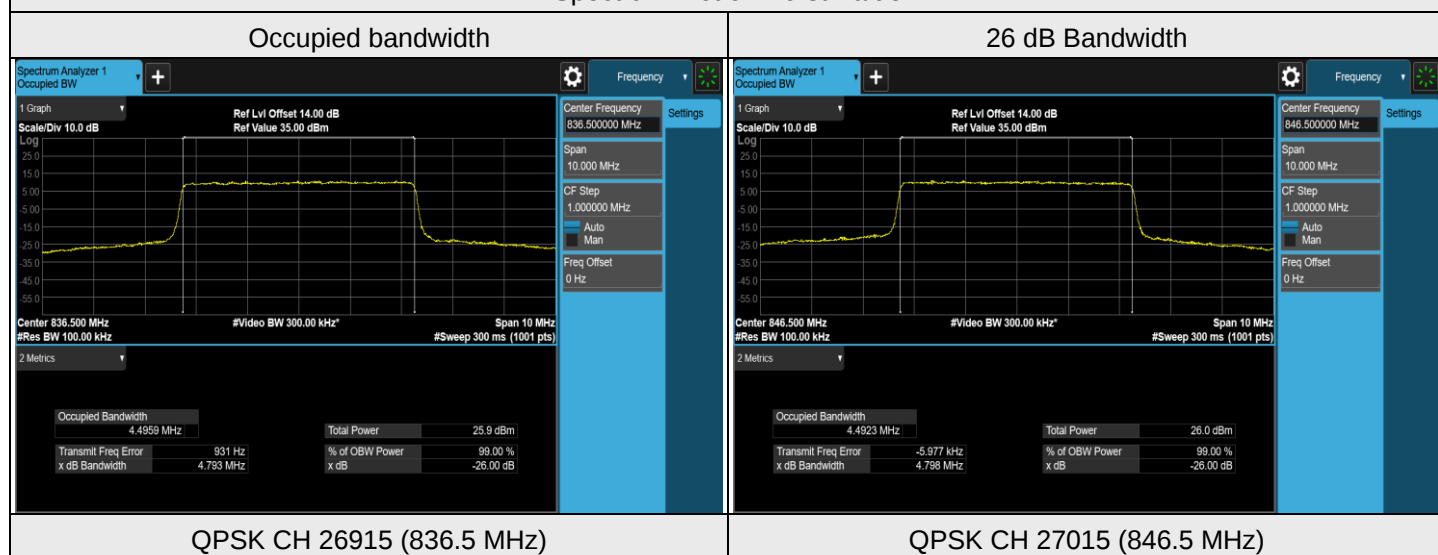
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	26797	824.7	1.0892	1.260
QPSK	26915	836.5	1.0906	1.267
QPSK	27033	848.3	1.0947	1.320
16QAM	26797	824.7	1.0882	1.249
16QAM	26915	836.5	1.0880	1.247
16QAM	27033	848.3	1.0888	1.269
64QAM	26797	824.7	1.0880	1.252
64QAM	26915	836.5	1.0889	1.250
64QAM	27033	848.3	1.0906	1.257
256QAM	26797	824.7	1.0850	1.243
256QAM	26915	836.5	1.0841	1.238
256QAM	27033	848.3	1.0835	1.235



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	4.4952	4.790
QPSK	26915	836.5	4.4959	4.793
QPSK	27015	846.5	4.4923	4.798
16QAM	26815	826.5	4.4898	4.782
16QAM	26915	836.5	4.4877	4.775
16QAM	27015	846.5	4.4892	4.782
64QAM	26815	826.5	4.4927	4.795
64QAM	26915	836.5	4.4934	4.790
64QAM	27015	846.5	4.4943	4.796
256QAM	26815	826.5	4.4866	4.772
256QAM	26915	836.5	4.4855	4.791
256QAM	27015	846.5	4.4882	4.775

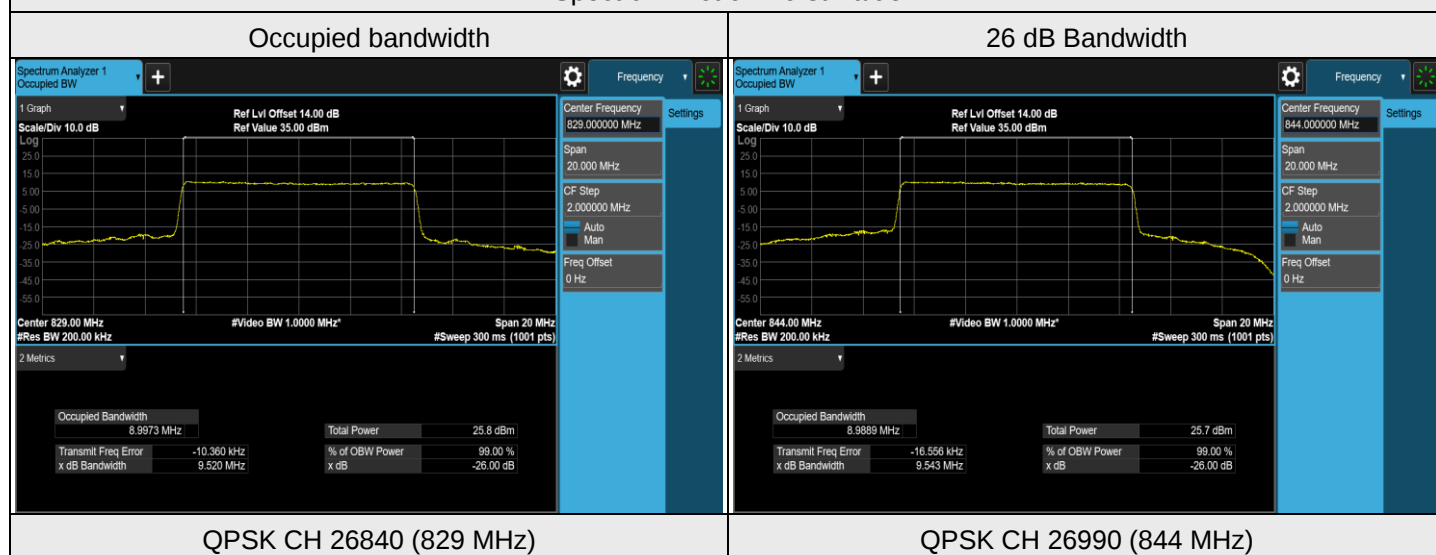
Spectrum Plot of Worst Value



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	8.9973	9.520
QPSK	26915	836.5	8.9630	9.494
QPSK	26990	844	8.9889	9.543
16QAM	26840	829	8.9918	9.504
16QAM	26915	836.5	8.9615	9.483
16QAM	26990	844	8.9810	9.508
64QAM	26840	829	8.9973	9.527
64QAM	26915	836.5	8.9642	9.504
64QAM	26990	844	8.9814	9.509
256QAM	26840	829	8.9867	9.512
256QAM	26915	836.5	8.9581	9.485
256QAM	26990	844	8.9703	9.502

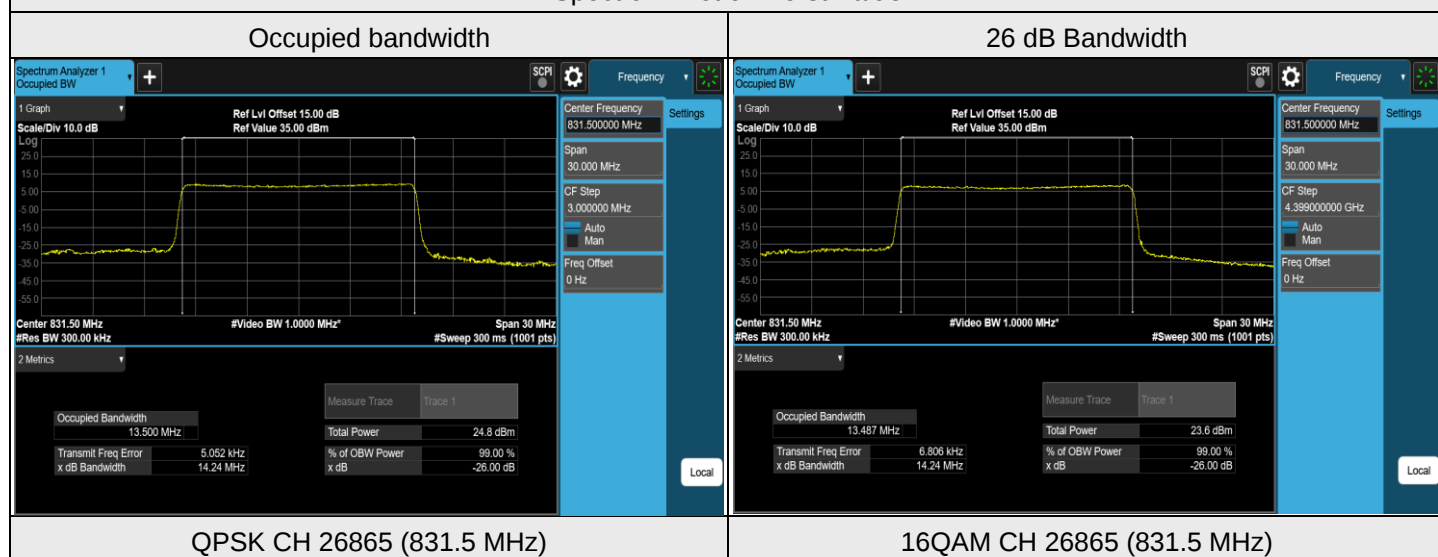
Spectrum Plot of Worst Value



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	13.5004	14.238
QPSK	26915	836.5	13.4346	14.226
QPSK	26965	841.5	13.4412	14.219
16QAM	26865	831.5	13.4873	14.243
16QAM	26915	836.5	13.4243	14.226
16QAM	26965	841.5	13.4184	14.202
64QAM	26865	831.5	13.4815	14.242
64QAM	26915	836.5	13.4251	14.213
64QAM	26965	841.5	13.4203	14.213
256QAM	26865	831.5	13.4931	14.229
256QAM	26915	836.5	13.4226	14.220
256QAM	26965	841.5	13.4294	14.229

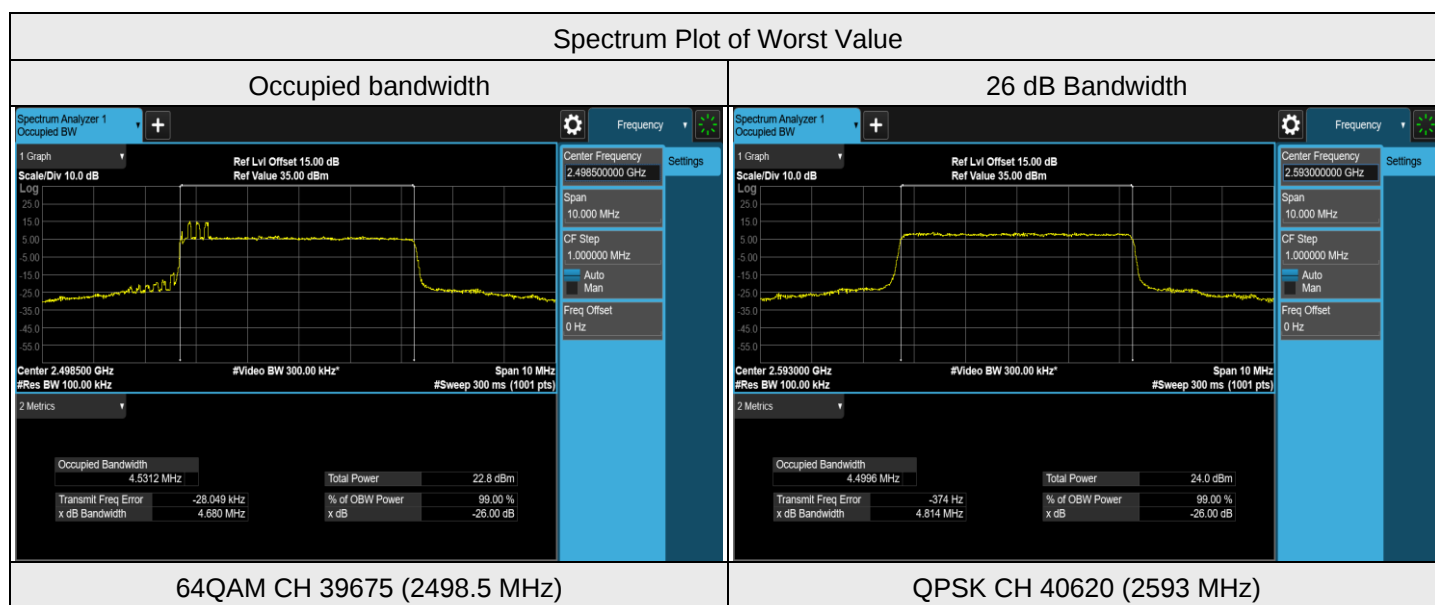
Spectrum Plot of Worst Value



7.4.12 LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

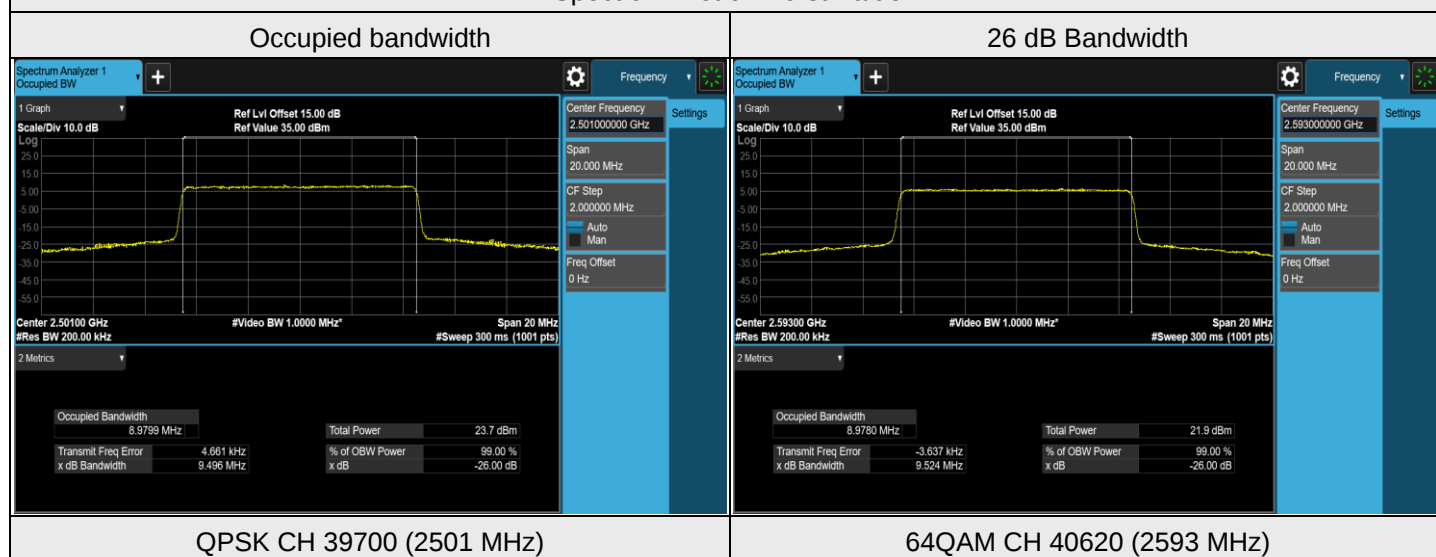
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39675	2498.5	4.4933	4.809
QPSK	40620	2593	4.4996	4.814
QPSK	41565	2687.5	4.4868	4.739
16QAM	39675	2498.5	4.4932	4.807
16QAM	40620	2593	4.4893	4.777
16QAM	41565	2687.5	4.4902	4.783
64QAM	39675	2498.5	4.5312	4.680
64QAM	40620	2593	4.4994	4.781
64QAM	41565	2687.5	4.4970	4.778
256QAM	39675	2498.5	4.4881	4.796
256QAM	40620	2593	4.4814	4.777
256QAM	41565	2687.5	4.4776	4.783



LTE Band 41, Channel Bandwidth: 10 MHz

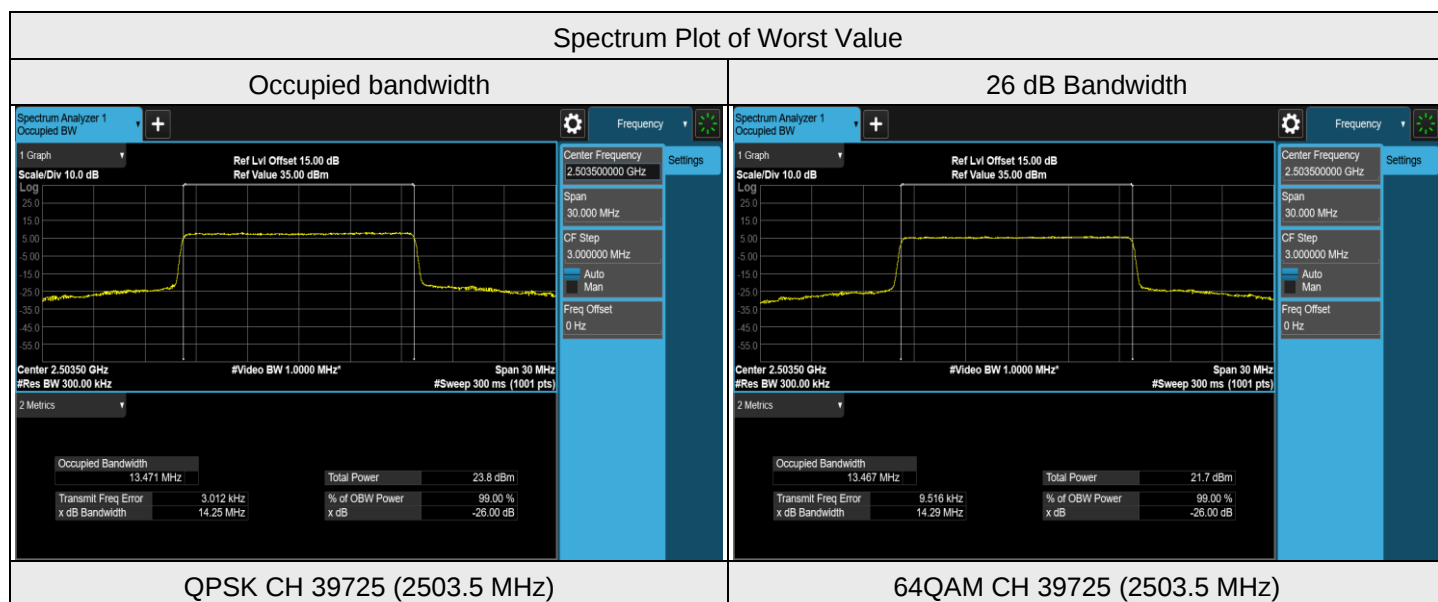
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39700	2501	8.9799	9.496
QPSK	40620	2593	8.9791	9.508
QPSK	41540	2685	8.9673	9.475
16QAM	39700	2501	8.9754	9.445
16QAM	40620	2593	8.9792	9.508
16QAM	41540	2685	8.9663	9.499
64QAM	39700	2501	8.9774	9.506
64QAM	40620	2593	8.9780	9.524
64QAM	41540	2685	8.9721	9.503
256QAM	39700	2501	8.9642	9.499
256QAM	40620	2593	8.9591	9.506
256QAM	41540	2685	8.9595	9.495

Spectrum Plot of Worst Value



LTE Band 41, Channel Bandwidth: 15 MHz

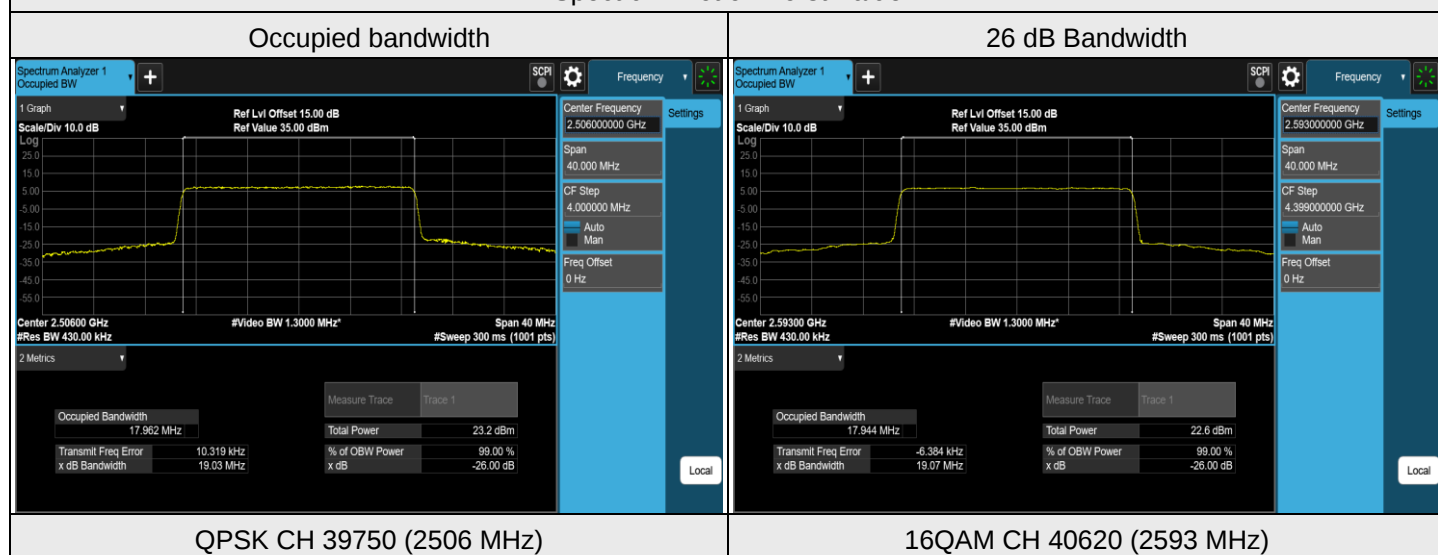
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39725	2503.5	13.4707	14.253
QPSK	40620	2593	13.4644	14.249
QPSK	41515	2682.5	13.4484	14.232
16QAM	39725	2503.5	13.4628	14.235
16QAM	40620	2593	13.4543	14.239
16QAM	41515	2682.5	13.4487	14.219
64QAM	39725	2503.5	13.4668	14.289
64QAM	40620	2593	13.4542	14.130
64QAM	41515	2682.5	13.4577	14.253
256QAM	39725	2503.5	13.4405	14.218
256QAM	40620	2593	13.4234	14.053
256QAM	41515	2682.5	13.4412	14.237



LTE Band 41, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39750	2506	17.9623	19.032
QPSK	40620	2593	17.9424	19.041
QPSK	41490	2680	17.8300	19.014
16QAM	39750	2506	17.9290	19.036
16QAM	40620	2593	17.9437	19.068
16QAM	41490	2680	17.9397	19.040
64QAM	39750	2506	17.9443	19.052
64QAM	40620	2593	17.9521	19.059
64QAM	41490	2680	17.9518	19.045
256QAM	39750	2506	17.9289	19.021
256QAM	40620	2593	17.9254	19.019
256QAM	41490	2680	17.9389	19.028

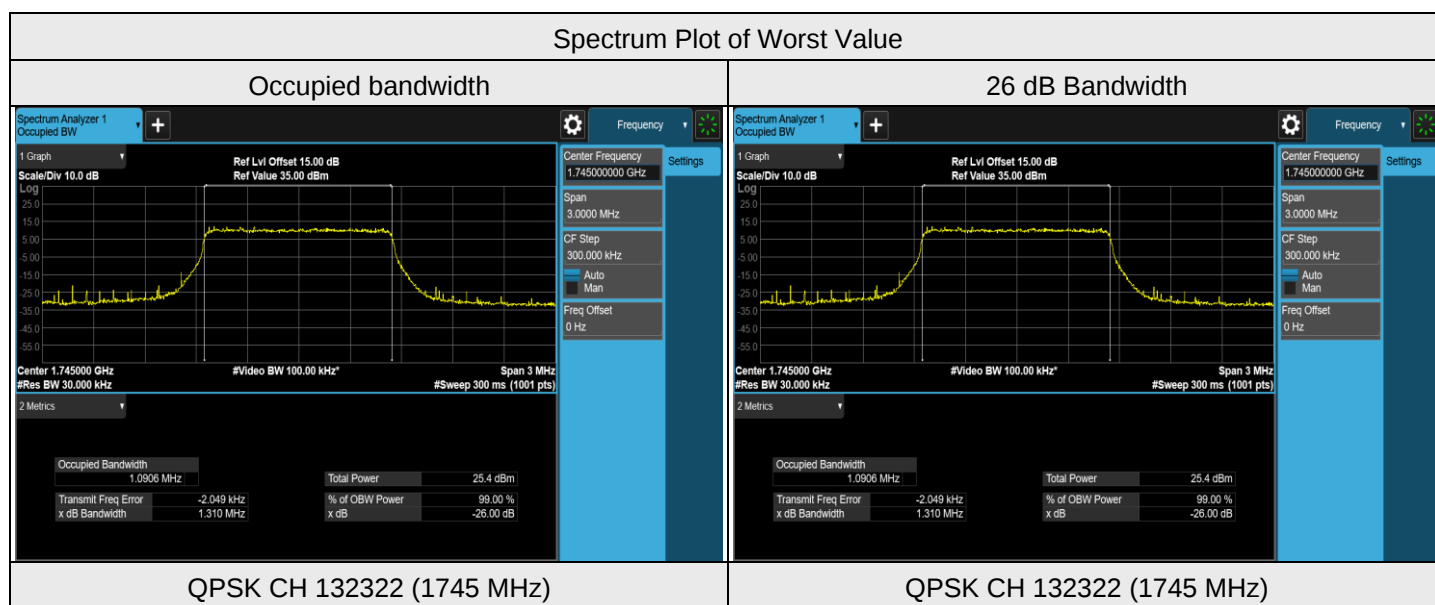
Spectrum Plot of Worst Value



7.4.13 LTE Band 66

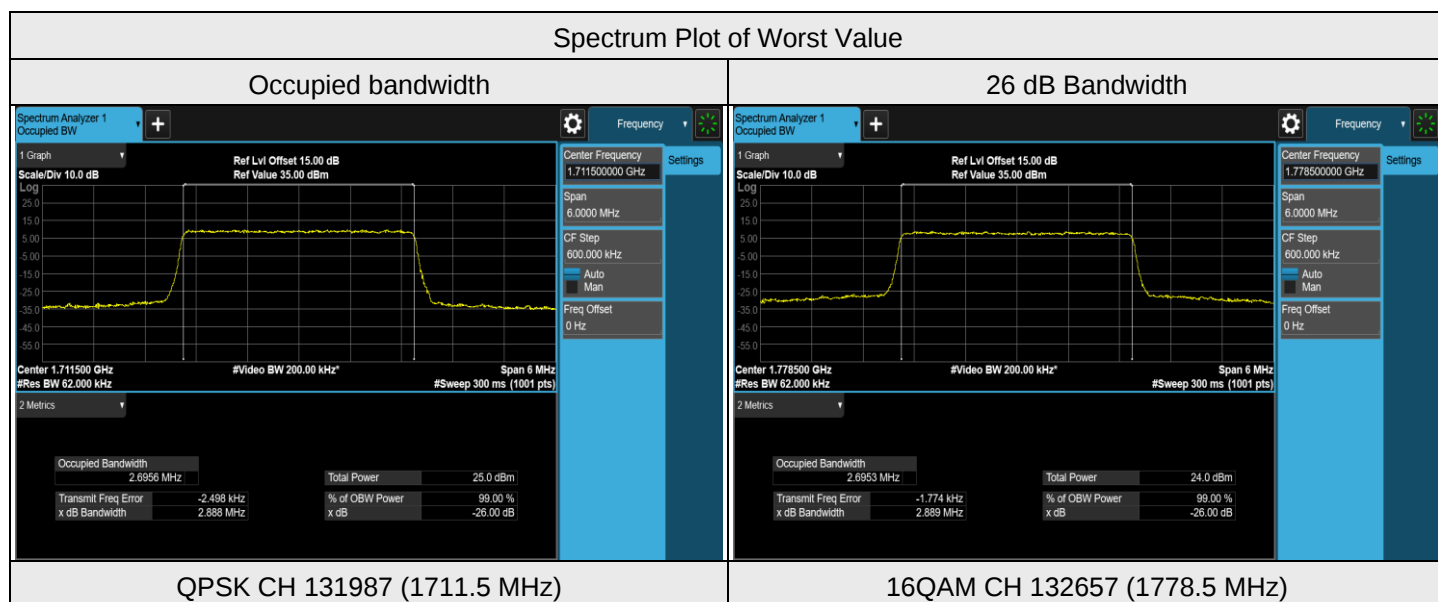
LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	131979	1710.7	1.0844	1.247
QPSK	132322	1745	1.0906	1.310
QPSK	132665	1779.3	1.0906	1.257
16QAM	131979	1710.7	1.0881	1.243
16QAM	132322	1745	1.0885	1.253
16QAM	132665	1779.3	1.0876	1.256
64QAM	131979	1710.7	1.0854	1.243
64QAM	132322	1745	1.0860	1.252
64QAM	132665	1779.3	1.0895	1.262
256QAM	131979	1710.7	1.0842	1.230
256QAM	132322	1745	1.0835	1.207
256QAM	132665	1779.3	1.0850	1.231



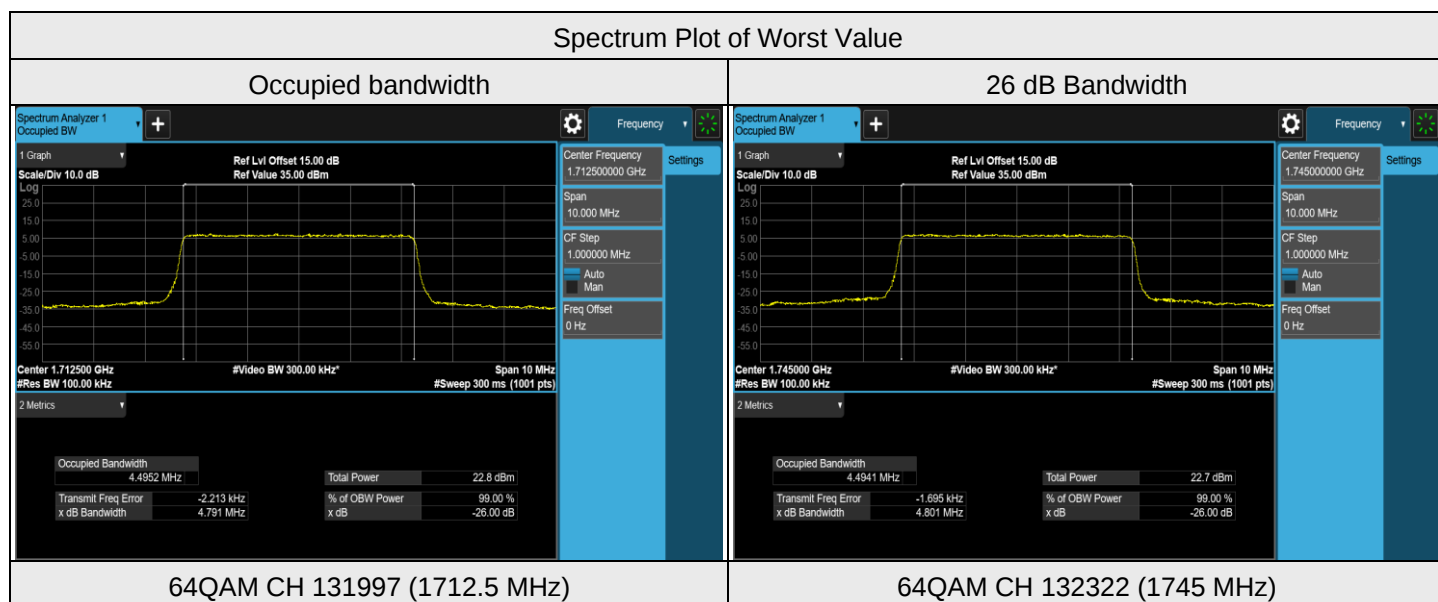
LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	131987	1711.5	2.6956	2.888
QPSK	132322	1745	2.6956	2.874
QPSK	132657	1778.5	2.6946	2.879
16QAM	131987	1711.5	2.6943	2.880
16QAM	132322	1745	2.6940	2.884
16QAM	132657	1778.5	2.6953	2.889
64QAM	131987	1711.5	2.6955	2.874
64QAM	132322	1745	2.6947	2.874
64QAM	132657	1778.5	2.6922	2.800
256QAM	131987	1711.5	2.6921	2.871
256QAM	132322	1745	2.6927	2.859
256QAM	132657	1778.5	2.6955	2.873



LTE Band 66, Channel Bandwidth: 5 MHz

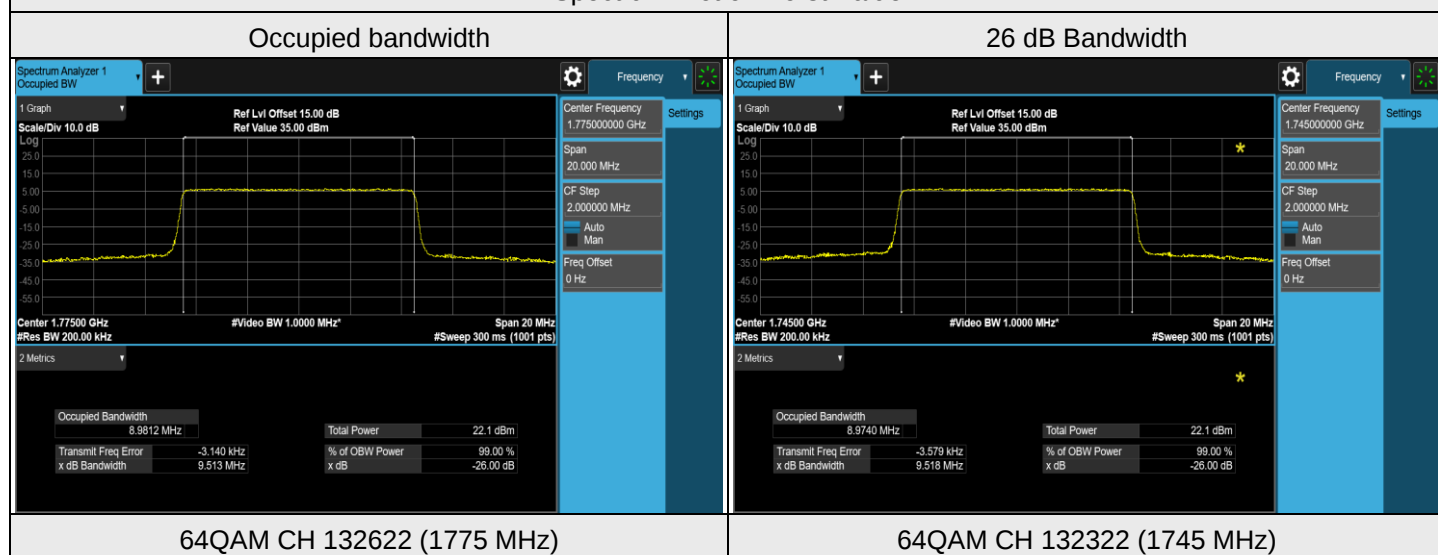
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	131997	1712.5	4.4924	4.743
QPSK	132322	1745	4.4942	4.785
QPSK	132647	1777.5	4.4903	4.728
16QAM	131997	1712.5	4.4900	4.785
16QAM	132322	1745	4.4907	4.776
16QAM	132647	1777.5	4.4910	4.783
64QAM	131997	1712.5	4.4952	4.791
64QAM	132322	1745	4.4941	4.801
64QAM	132647	1777.5	4.4945	4.786
256QAM	131997	1712.5	4.4874	4.787
256QAM	132322	1745	4.4893	4.792
256QAM	132647	1777.5	4.4886	4.777



LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	132022	1715	8.9728	9.510
QPSK	132322	1745	8.9719	9.491
QPSK	132622	1775	8.9730	9.494
16QAM	132022	1715	8.9662	9.496
16QAM	132322	1745	8.9720	9.502
16QAM	132622	1775	8.9604	9.354
64QAM	132022	1715	8.9775	9.512
64QAM	132322	1745	8.9740	9.518
64QAM	132622	1775	8.9812	9.513
256QAM	132022	1715	8.9690	9.510
256QAM	132322	1745	8.9684	9.508
256QAM	132622	1775	8.9691	9.496

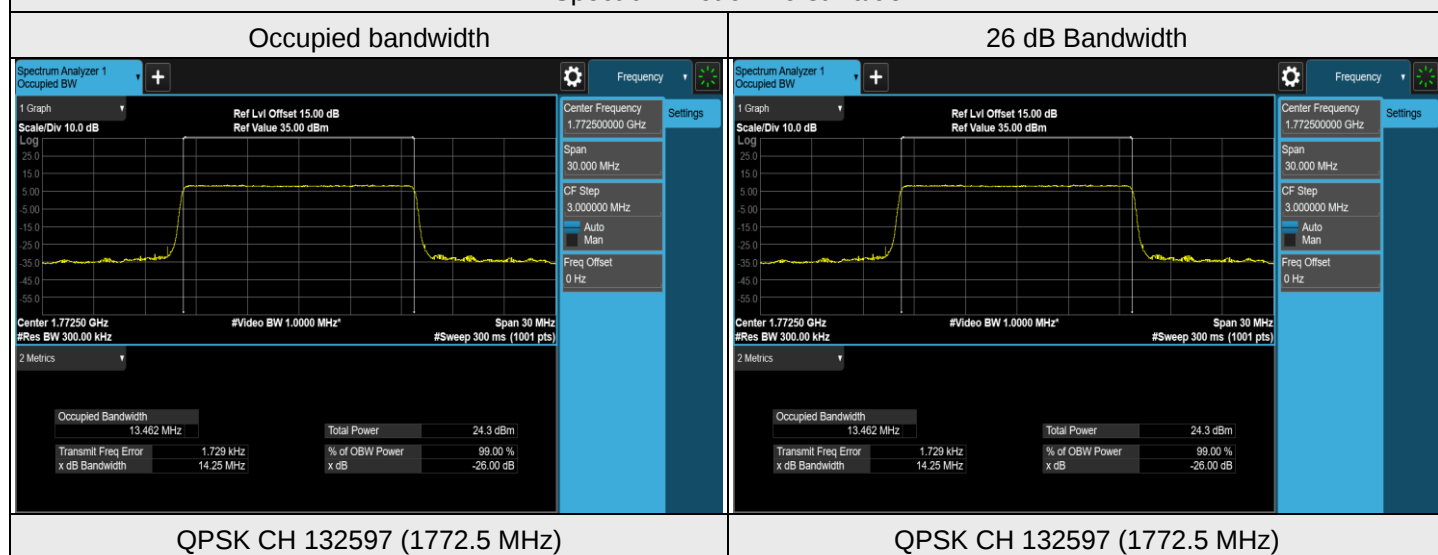
Spectrum Plot of Worst Value



LTE Band 66, Channel Bandwidth: 15 MHz

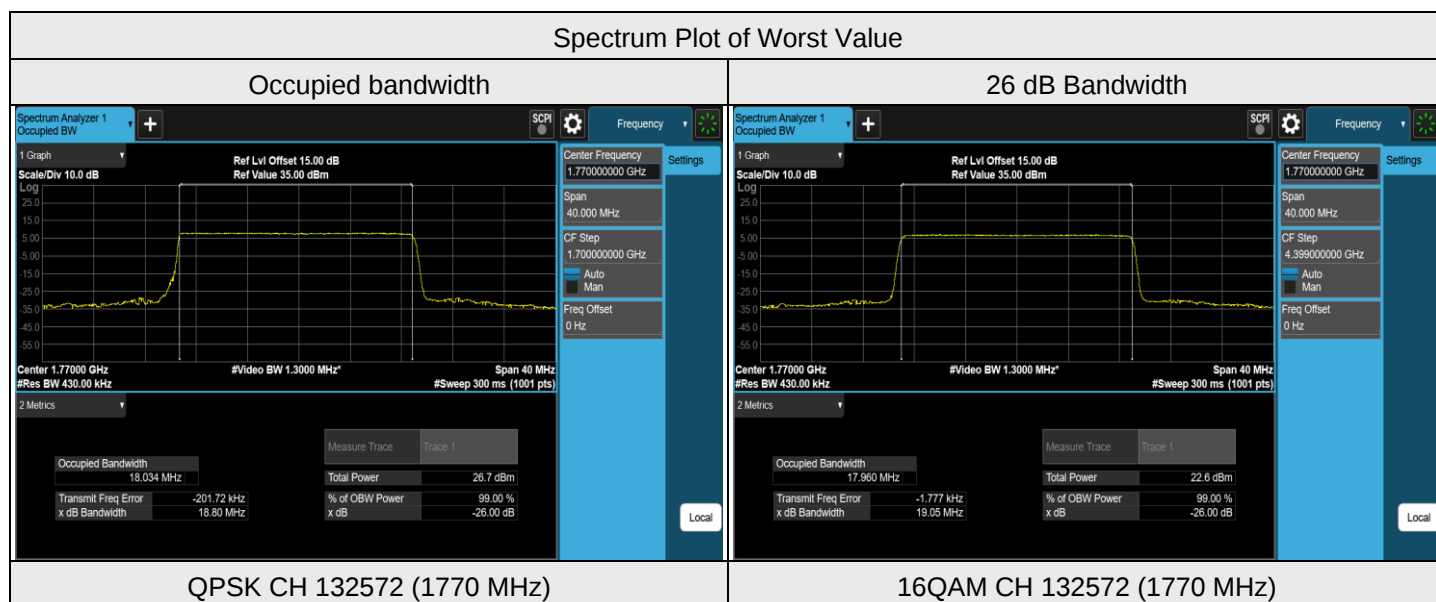
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	132047	1717.5	13.4619	14.231
QPSK	132322	1745	13.4600	14.224
QPSK	132597	1772.5	13.4623	14.245
16QAM	132047	1717.5	13.4521	14.209
16QAM	132322	1745	13.4496	14.225
16QAM	132597	1772.5	13.4437	14.047
64QAM	132047	1717.5	13.4476	14.229
64QAM	132322	1745	13.4461	14.217
64QAM	132597	1772.5	13.4504	14.238
256QAM	132047	1717.5	13.4519	14.225
256QAM	132322	1745	13.4468	14.137
256QAM	132597	1772.5	13.4476	14.216

Spectrum Plot of Worst Value



LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132072	1720	17.9461	19.016
QPSK	132322	1745	17.9352	19.026
QPSK	132572	1770	18.0340	18.796
16QAM	132072	1720	17.9591	19.024
16QAM	132322	1745	17.9491	19.024
16QAM	132572	1770	17.9604	19.051
64QAM	132072	1720	17.9492	19.024
64QAM	132322	1745	17.9460	19.011
64QAM	132572	1770	17.9486	19.036
256QAM	132072	1720	17.9503	19.033
256QAM	132322	1745	17.9494	19.030
256QAM	132572	1770	17.9518	19.029



7.4.14 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth ((MHz))	26 dB Bandwidth ((MHz))
QPSK	133147	665.5	4.4847	4.713
QPSK	133297	680.5	4.4921	4.777
QPSK	133447	695.5	4.4912	4.787
16QAM	133147	665.5	4.4894	4.775
16QAM	133297	680.5	4.4900	4.779
16QAM	133447	695.5	4.4900	4.782
64QAM	133147	665.5	4.4964	4.812
64QAM	133297	680.5	4.4926	4.778
64QAM	133447	695.5	4.4920	4.792
256QAM	133147	665.5	4.4860	4.788
256QAM	133297	680.5	4.4864	4.770
256QAM	133447	695.5	4.4883	4.774

