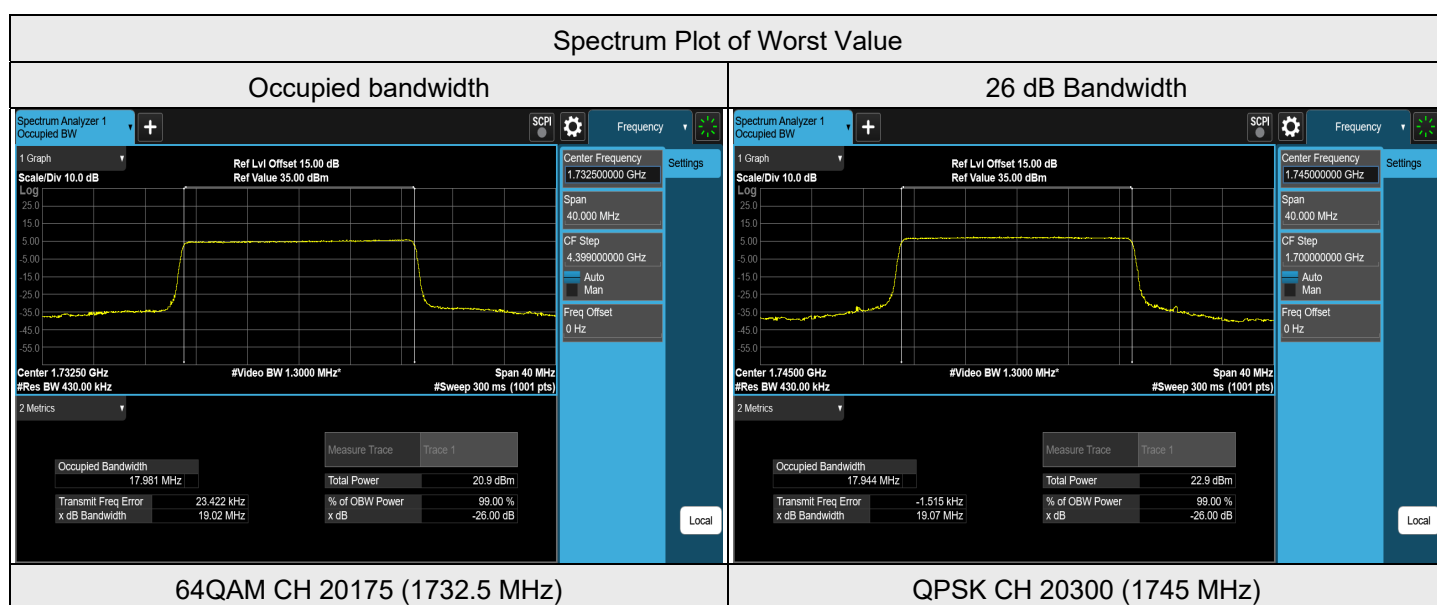


LTE Band 4, Channel Bandwidth: 20 MHz

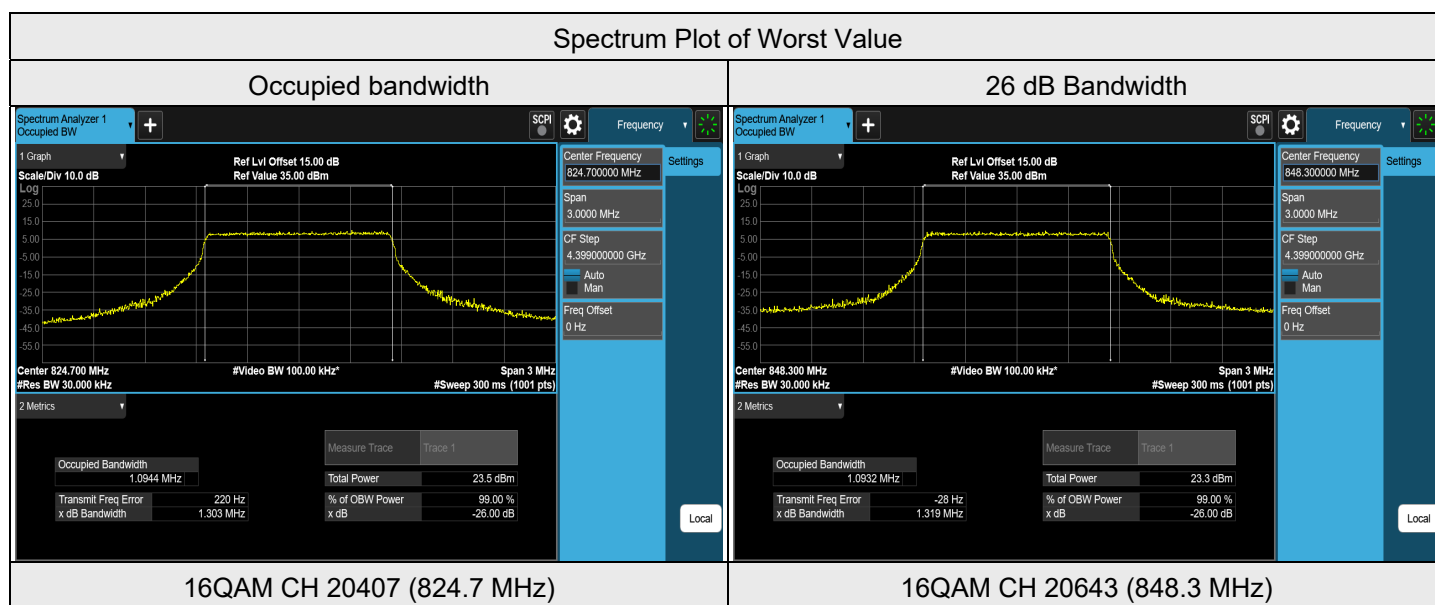
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20050	1720	17.9731	19.029
QPSK	20175	1732.5	17.9770	19.041
QPSK	20300	1745	17.9439	19.065
16QAM	20050	1720	17.9712	19.033
16QAM	20175	1732.5	17.9747	19.065
16QAM	20300	1745	17.9418	19.044
64QAM	20050	1720	17.9753	19.041
64QAM	20175	1732.5	17.9809	19.023
64QAM	20300	1745	17.9362	19.032
256QAM	20050	1720	17.9802	19.054
256QAM	20175	1732.5	17.9799	19.023
256QAM	20300	1745	17.9445	19.034



7.4.3 LTE Band 5

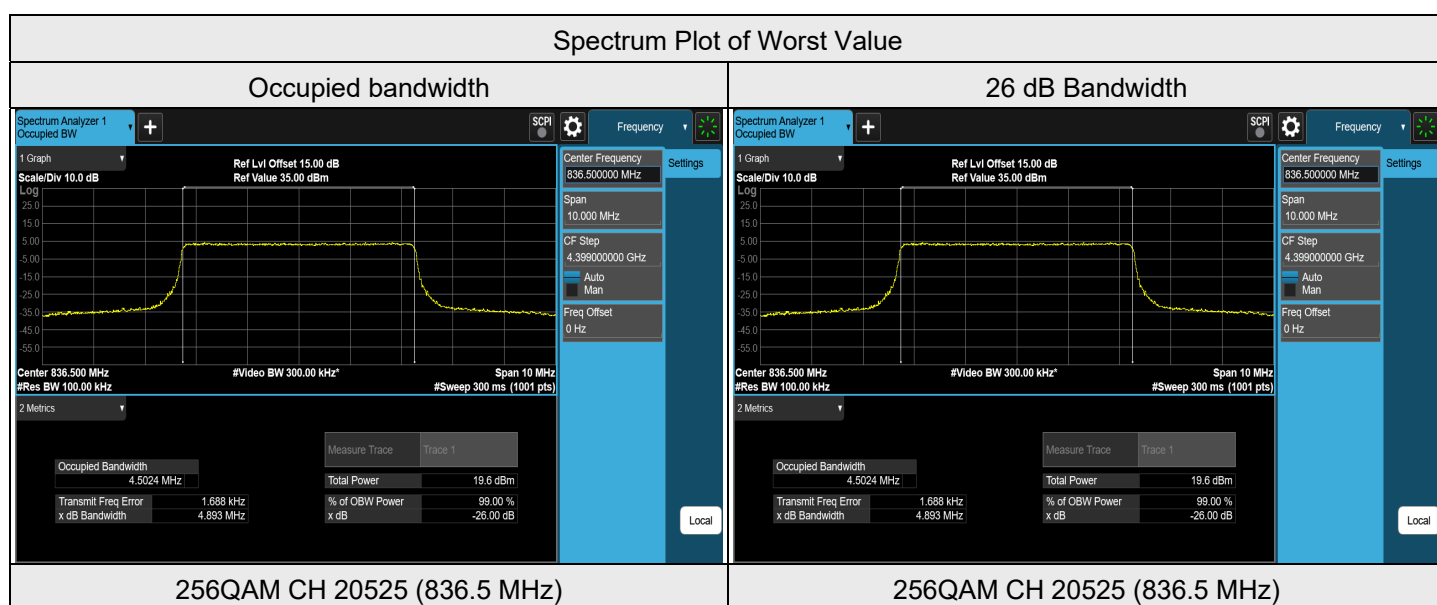
LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20407	824.7	1.0891	1.297
QPSK	20525	836.5	1.0903	1.305
QPSK	20643	848.3	1.0921	1.292
16QAM	20407	824.7	1.0944	1.303
16QAM	20525	836.5	1.0932	1.313
16QAM	20643	848.3	1.0932	1.319
64QAM	20407	824.7	1.0888	1.285
64QAM	20525	836.5	1.0910	1.314
64QAM	20643	848.3	1.0924	1.319
256QAM	20407	824.7	1.0893	1.312
256QAM	20525	836.5	1.0885	1.297
256QAM	20643	848.3	1.0904	1.312



LTE Band 5, Channel Bandwidth: 5 MHz

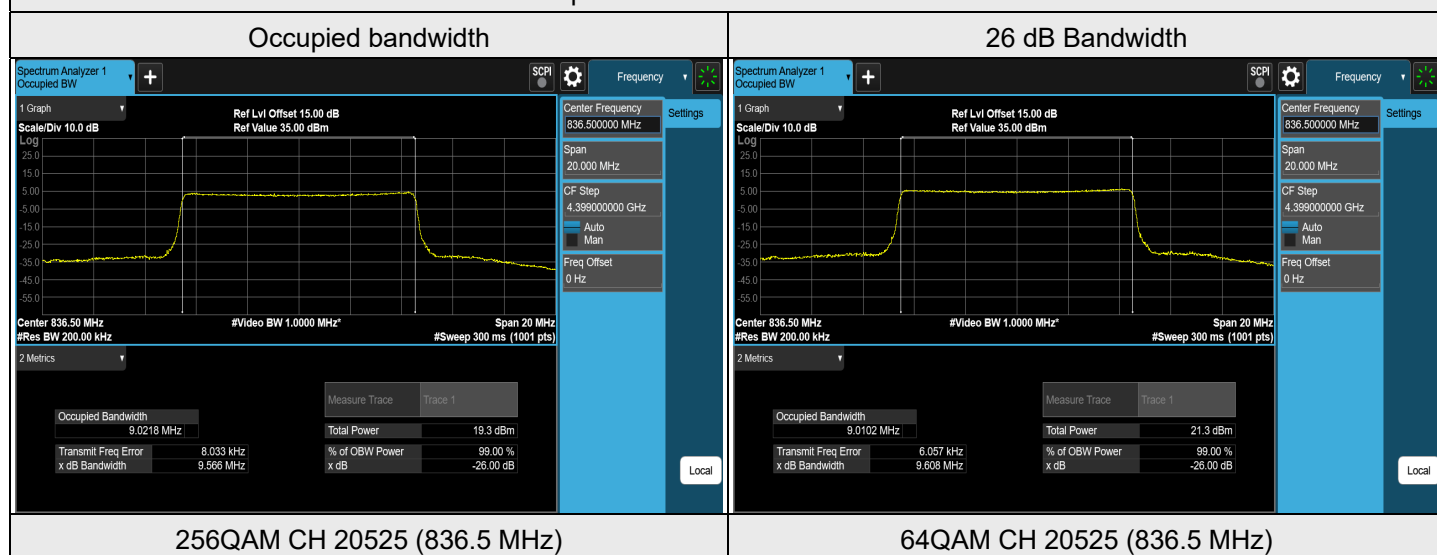
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20425	826.5	4.4843	4.850
QPSK	20525	836.5	4.4985	4.887
QPSK	20625	846.5	4.4967	4.811
16QAM	20425	826.5	4.4840	4.831
16QAM	20525	836.5	4.4994	4.889
16QAM	20625	846.5	4.4957	4.827
64QAM	20425	826.5	4.4838	4.879
64QAM	20525	836.5	4.4986	4.872
64QAM	20625	846.5	4.4968	4.872
256QAM	20425	826.5	4.4843	4.841
256QAM	20525	836.5	4.5024	4.893
256QAM	20625	846.5	4.4947	4.833



LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20450	829	8.9434	9.500
QPSK	20525	836.5	9.0081	9.577
QPSK	20600	844	8.9135	9.477
16QAM	20450	829	8.9498	9.495
16QAM	20525	836.5	9.0101	9.574
16QAM	20600	844	8.9126	9.477
64QAM	20450	829	8.9456	9.506
64QAM	20525	836.5	9.0102	9.608
64QAM	20600	844	8.9162	9.493
256QAM	20450	829	8.9440	9.513
256QAM	20525	836.5	9.0218	9.566
256QAM	20600	844	8.9178	9.456

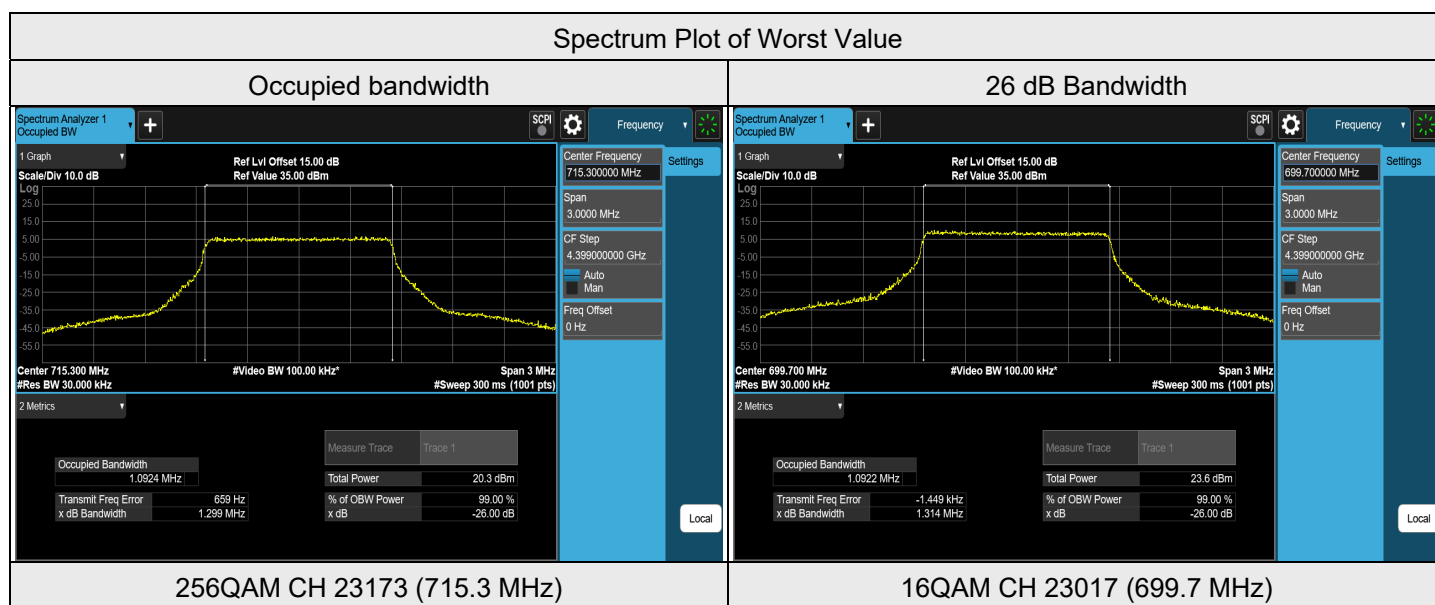
Spectrum Plot of Worst Value



7.4.4 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

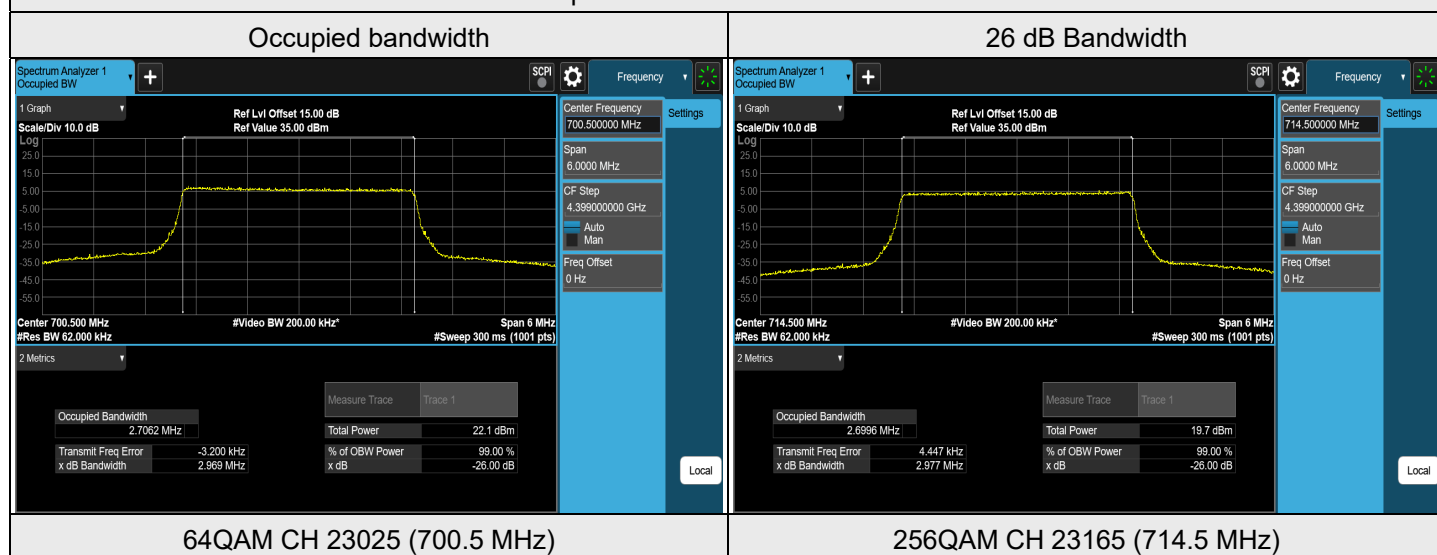
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23017	699.7	1.0897	1.296
QPSK	23095	707.5	1.0894	1.277
QPSK	23173	715.3	1.0908	1.294
16QAM	23017	699.7	1.0922	1.314
16QAM	23095	707.5	1.0902	1.293
16QAM	23173	715.3	1.0921	1.295
64QAM	23017	699.7	1.0896	1.294
64QAM	23095	707.5	1.0881	1.285
64QAM	23173	715.3	1.0908	1.299
256QAM	23017	699.7	1.0903	1.301
256QAM	23095	707.5	1.0900	1.301
256QAM	23173	715.3	1.0924	1.299



LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23025	700.5	2.7047	2.960
QPSK	23095	707.5	2.6957	2.943
QPSK	23165	714.5	2.7020	2.967
16QAM	23025	700.5	2.7033	2.957
16QAM	23095	707.5	2.6950	2.955
16QAM	23165	714.5	2.7017	2.943
64QAM	23025	700.5	2.7062	2.969
64QAM	23095	707.5	2.6951	2.939
64QAM	23165	714.5	2.7044	2.937
256QAM	23025	700.5	2.7027	2.952
256QAM	23095	707.5	2.6946	2.940
256QAM	23165	714.5	2.6996	2.977

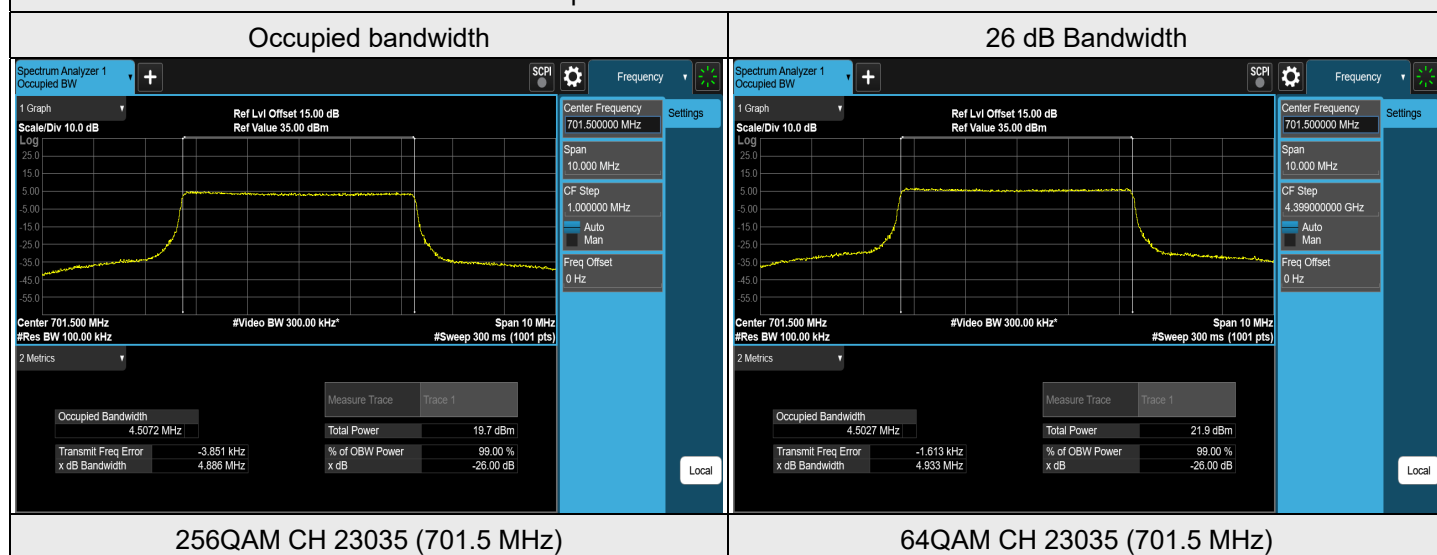
Spectrum Plot of Worst Value



LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23035	701.5	4.5049	4.910
QPSK	23095	707.5	4.4827	4.856
QPSK	23155	713.5	4.5042	4.853
16QAM	23035	701.5	4.5053	4.908
16QAM	23095	707.5	4.4780	4.839
16QAM	23155	713.5	4.5044	4.889
64QAM	23035	701.5	4.5027	4.933
64QAM	23095	707.5	4.4772	4.803
64QAM	23155	713.5	4.5018	4.902
256QAM	23035	701.5	4.5072	4.886
256QAM	23095	707.5	4.4803	4.815
256QAM	23155	713.5	4.5031	4.888

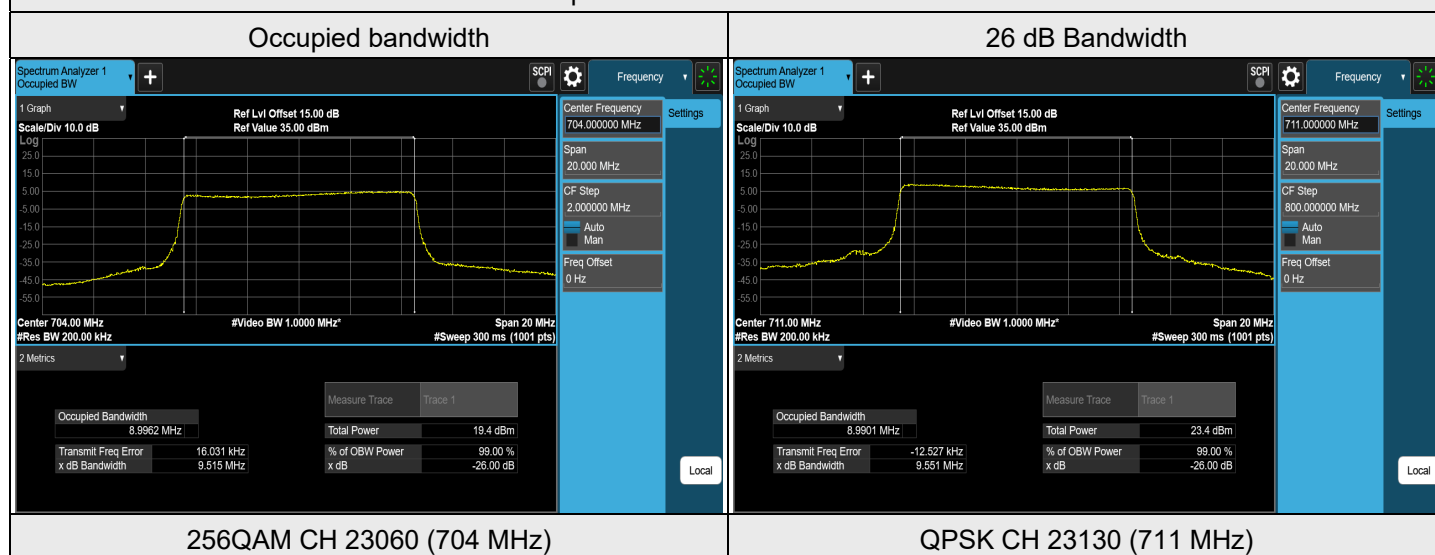
Spectrum Plot of Worst Value



LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	8.9869	9.540
QPSK	23095	707.5	8.9213	9.493
QPSK	23130	711	8.9901	9.551
16QAM	23060	704	8.9876	9.529
16QAM	23095	707.5	8.9204	9.483
16QAM	23130	711	8.9948	9.537
64QAM	23060	704	8.9917	9.523
64QAM	23095	707.5	8.9298	9.479
64QAM	23130	711	8.9931	9.520
256QAM	23060	704	8.9962	9.515
256QAM	23095	707.5	8.9194	9.487
256QAM	23130	711	8.9862	9.529

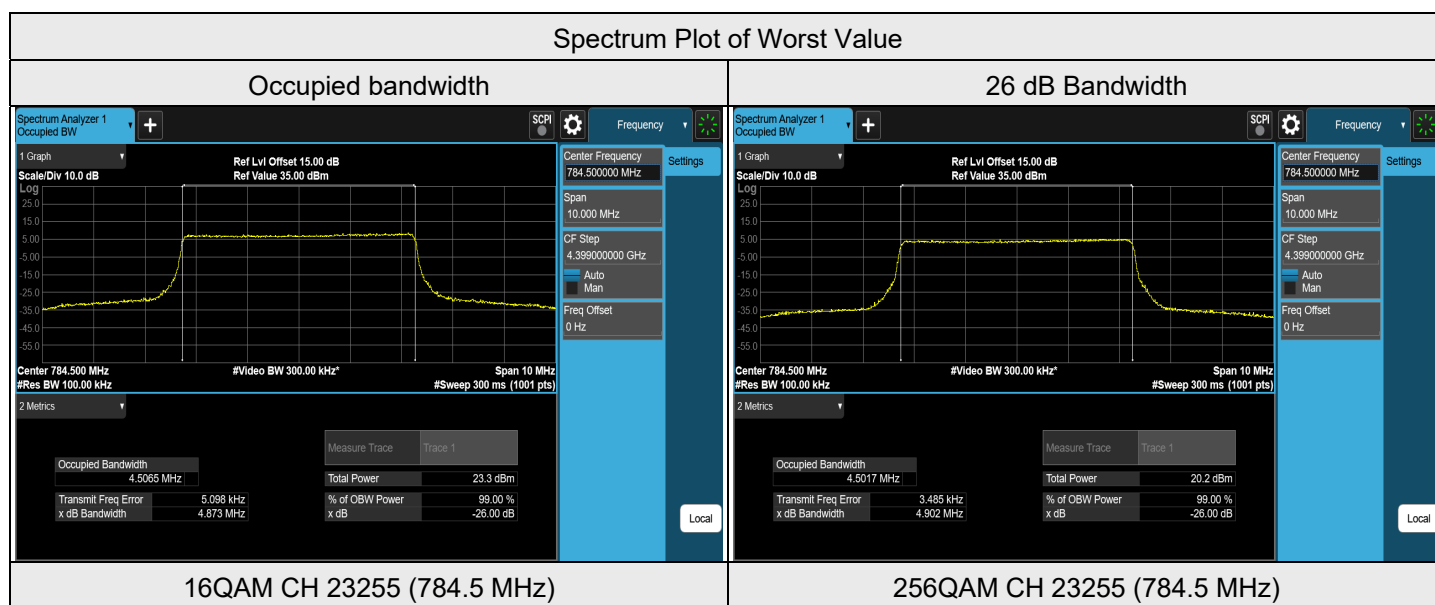
Spectrum Plot of Worst Value



7.4.5 LTE Band 13

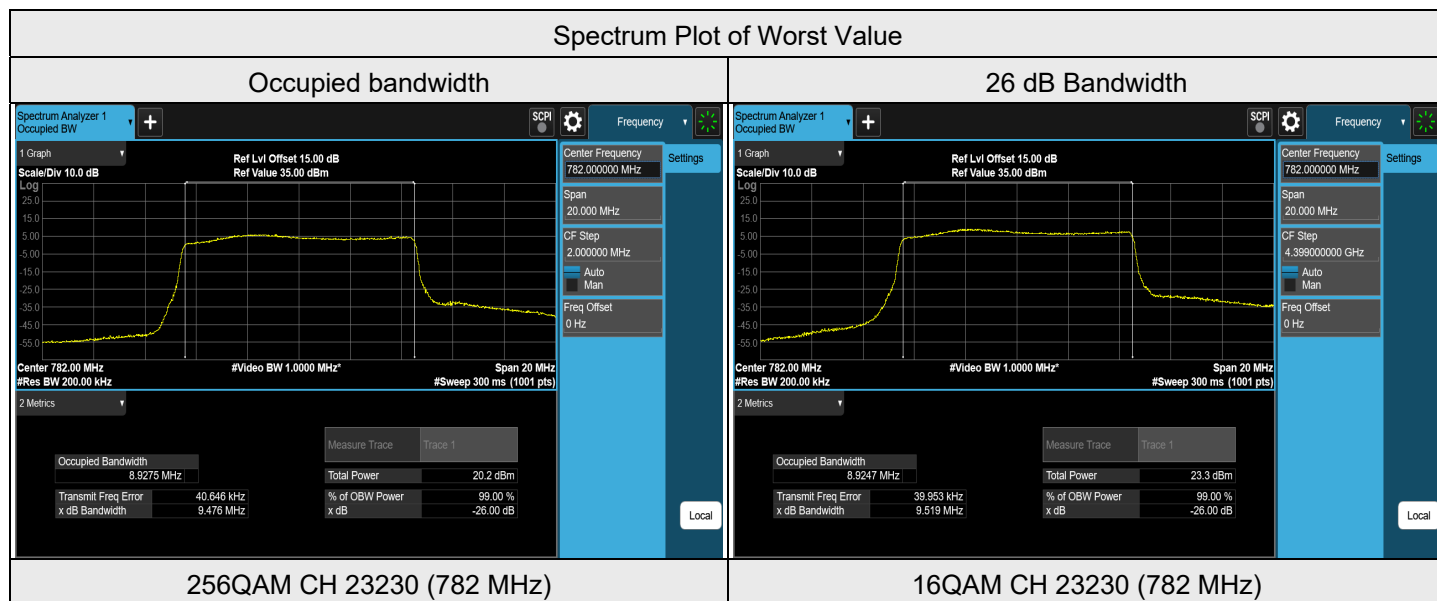
LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23205	779.5	4.4632	4.780
QPSK	23230	782	4.4936	4.834
QPSK	23255	784.5	4.5046	4.873
16QAM	23205	779.5	4.4622	4.779
16QAM	23230	782	4.4891	4.807
16QAM	23255	784.5	4.5065	4.873
64QAM	23205	779.5	4.4659	4.829
64QAM	23230	782	4.4892	4.817
64QAM	23255	784.5	4.5028	4.870
256QAM	23205	779.5	4.4616	4.768
256QAM	23230	782	4.4909	4.829
256QAM	23255	784.5	4.5017	4.902



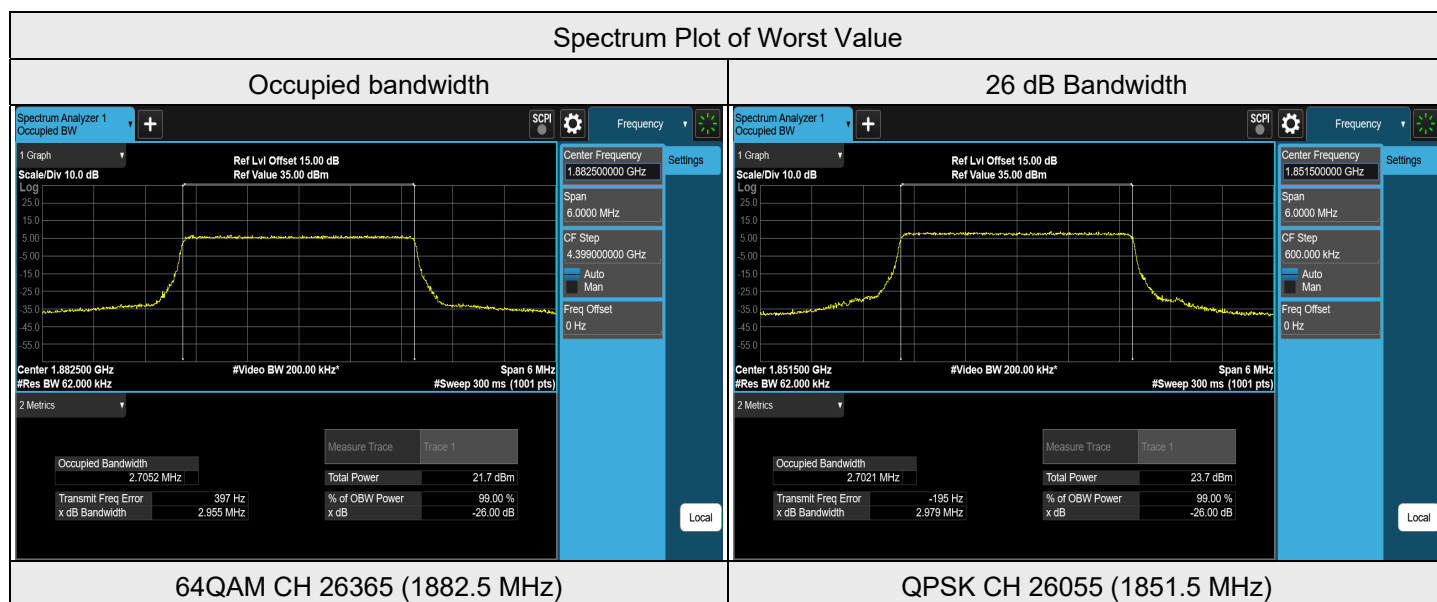
LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23230	782	8.9208	9.513
16QAM	23230	782	8.9247	9.519
64QAM	23230	782	8.9258	9.483
256QAM	23230	782	8.9275	9.476



LTE Band 25, Channel Bandwidth: 3 MHz

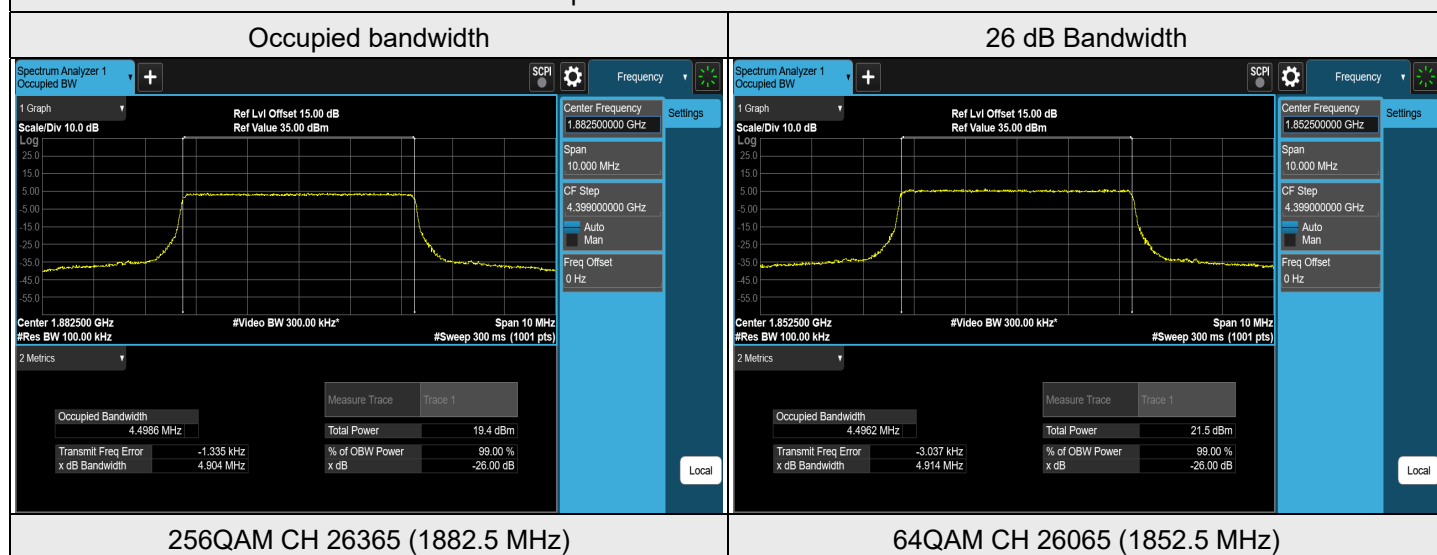
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26055	1851.5	2.7021	2.979
QPSK	26365	1882.5	2.7035	2.953
QPSK	26675	1913.5	2.7042	2.957
16QAM	26055	1851.5	2.7013	2.962
16QAM	26365	1882.5	2.7046	2.963
16QAM	26675	1913.5	2.7005	2.962
64QAM	26055	1851.5	2.7031	2.952
64QAM	26365	1882.5	2.7052	2.955
64QAM	26675	1913.5	2.7006	2.951
256QAM	26055	1851.5	2.7024	2.962
256QAM	26365	1882.5	2.7026	2.947
256QAM	26675	1913.5	2.7035	2.967



LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26065	1852.5	4.4928	4.890
QPSK	26365	1882.5	4.4927	4.858
QPSK	26665	1912.5	4.4924	4.870
16QAM	26065	1852.5	4.4957	4.864
16QAM	26365	1882.5	4.4952	4.902
16QAM	26665	1912.5	4.4944	4.855
64QAM	26065	1852.5	4.4962	4.914
64QAM	26365	1882.5	4.4975	4.888
64QAM	26665	1912.5	4.4865	4.842
256QAM	26065	1852.5	4.4983	4.885
256QAM	26365	1882.5	4.4986	4.904
256QAM	26665	1912.5	4.4932	4.882

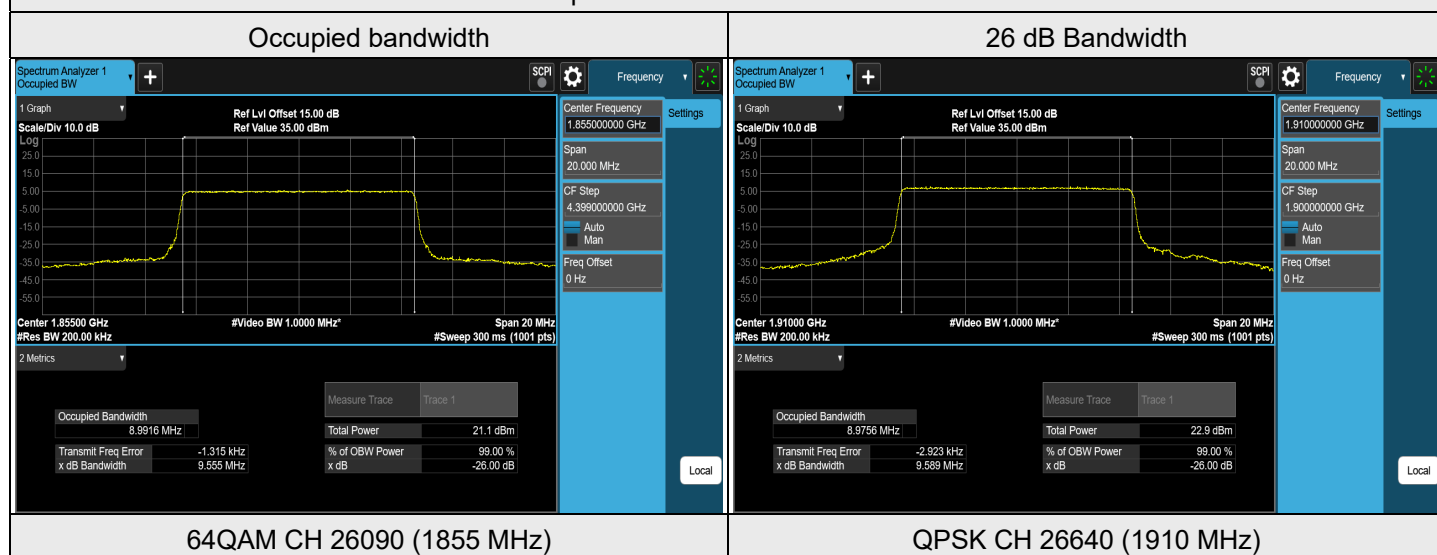
Spectrum Plot of Worst Value



LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26090	1855	8.9875	9.570
QPSK	26365	1882.5	8.9781	9.543
QPSK	26640	1910	8.9756	9.589
16QAM	26090	1855	8.9793	9.562
16QAM	26365	1882.5	8.9849	9.580
16QAM	26640	1910	8.9778	9.563
64QAM	26090	1855	8.9916	9.555
64QAM	26365	1882.5	8.9806	9.581
64QAM	26640	1910	8.9765	9.546
256QAM	26090	1855	8.9861	9.550
256QAM	26365	1882.5	8.9845	9.550
256QAM	26640	1910	8.9781	9.553

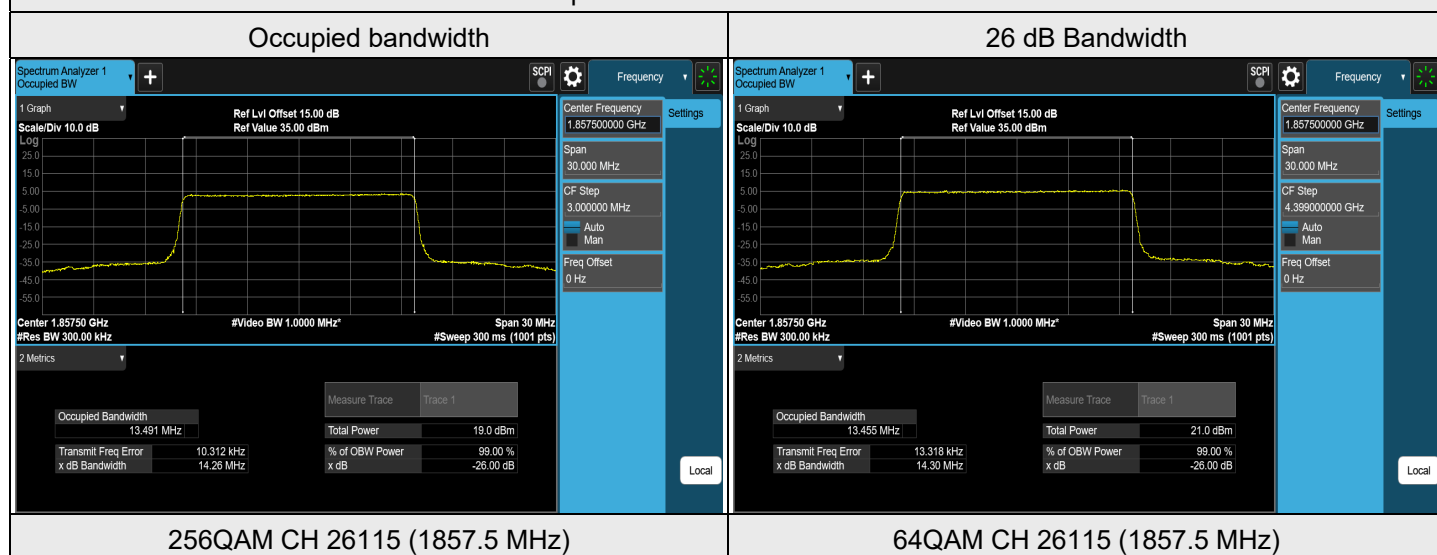
Spectrum Plot of Worst Value



LTE Band 25, Channel Bandwidth: 15 MHz

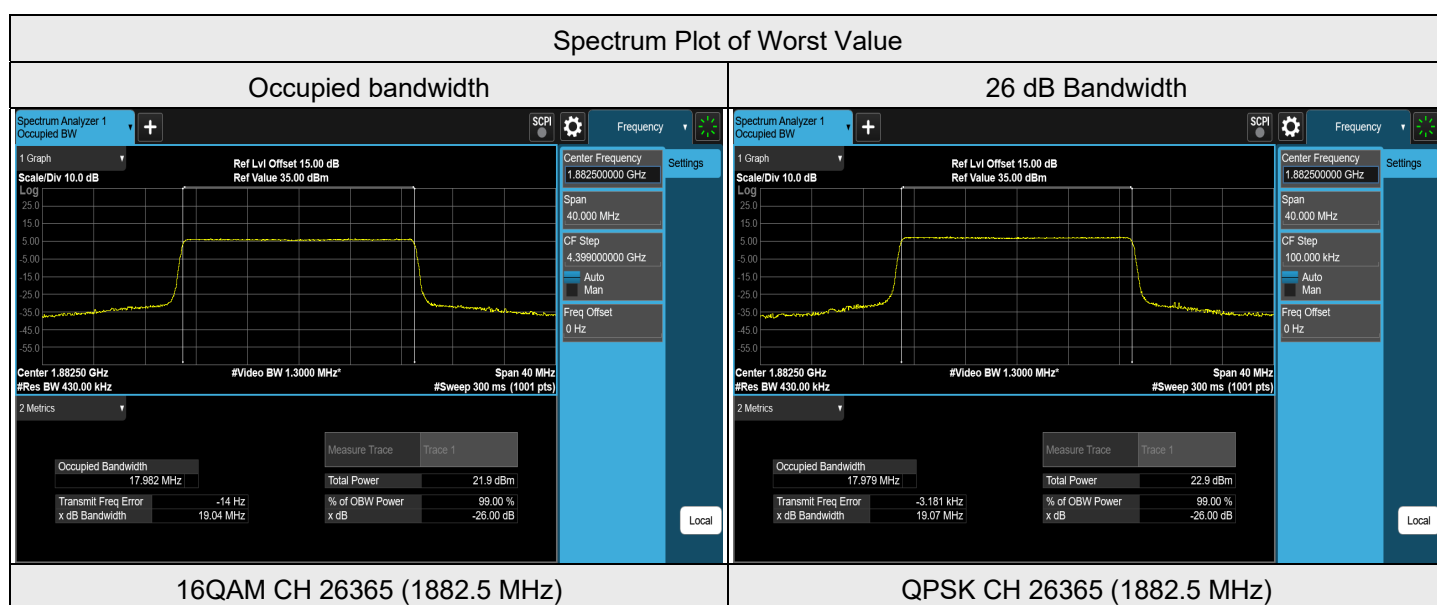
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26115	1857.5	13.4700	14.270
QPSK	26365	1882.5	13.4694	14.289
QPSK	26615	1907.5	13.4715	14.271
16QAM	26115	1857.5	13.4711	14.267
16QAM	26365	1882.5	13.4680	14.278
16QAM	26615	1907.5	13.4681	14.292
64QAM	26115	1857.5	13.4554	14.301
64QAM	26365	1882.5	13.4692	14.300
64QAM	26615	1907.5	13.4538	14.254
256QAM	26115	1857.5	13.4912	14.262
256QAM	26365	1882.5	13.4717	14.255
256QAM	26615	1907.5	13.4650	14.252

Spectrum Plot of Worst Value



LTE Band 25, Channel Bandwidth: 20 MHz

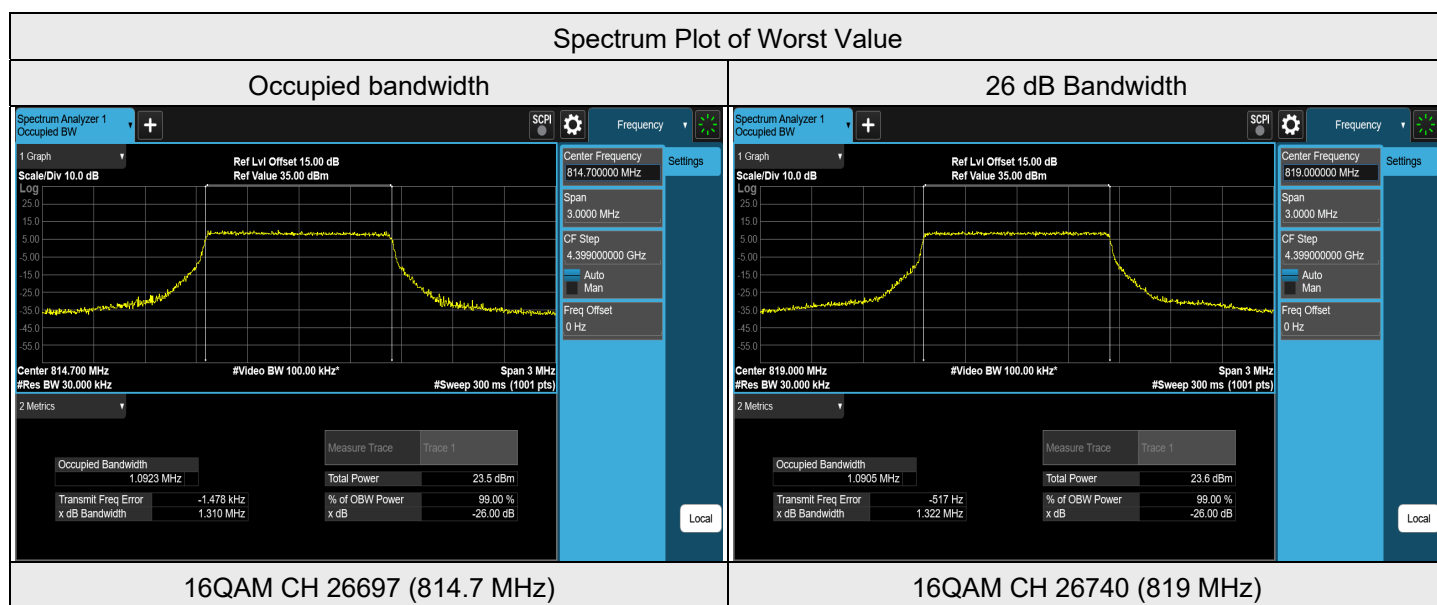
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26140	1860	17.9623	19.056
QPSK	26365	1882.5	17.9788	19.073
QPSK	26590	1905	17.9674	19.050
16QAM	26140	1860	17.9715	19.039
16QAM	26365	1882.5	17.9819	19.036
16QAM	26590	1905	17.9560	19.050
64QAM	26140	1860	17.9659	19.035
64QAM	26365	1882.5	17.9772	19.073
64QAM	26590	1905	17.9644	19.039
256QAM	26140	1860	17.9717	19.057
256QAM	26365	1882.5	17.9750	19.071
256QAM	26590	1905	17.9504	19.030



7.4.7 LTE Band 26 (814 MHz ~ 824 MHz)

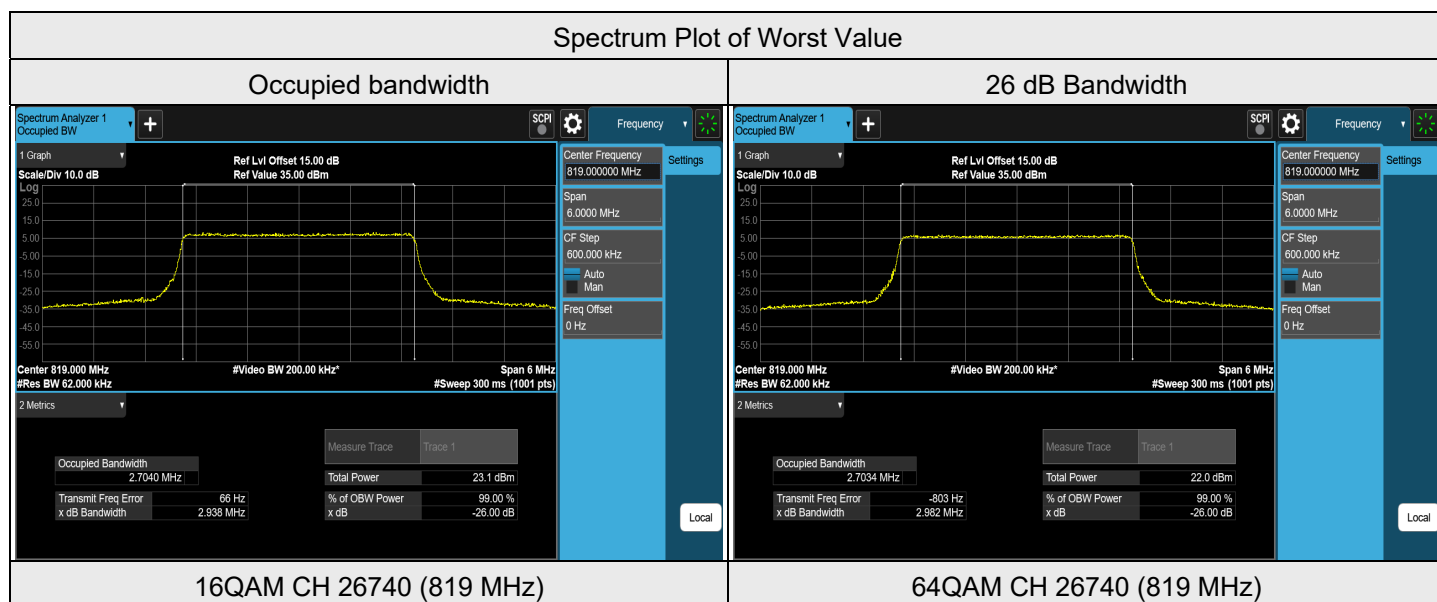
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26697	814.7	1.0911	1.289
QPSK	26740	819	1.0920	1.287
QPSK	26783	823.3	1.0912	1.284
16QAM	26697	814.7	1.0923	1.310
16QAM	26740	819	1.0905	1.322
16QAM	26783	823.3	1.0919	1.310
64QAM	26697	814.7	1.0905	1.298
64QAM	26740	819	1.0917	1.288
64QAM	26783	823.3	1.0899	1.294
256QAM	26697	814.7	1.0895	1.302
256QAM	26740	819	1.0906	1.307
256QAM	26783	823.3	1.0902	1.300



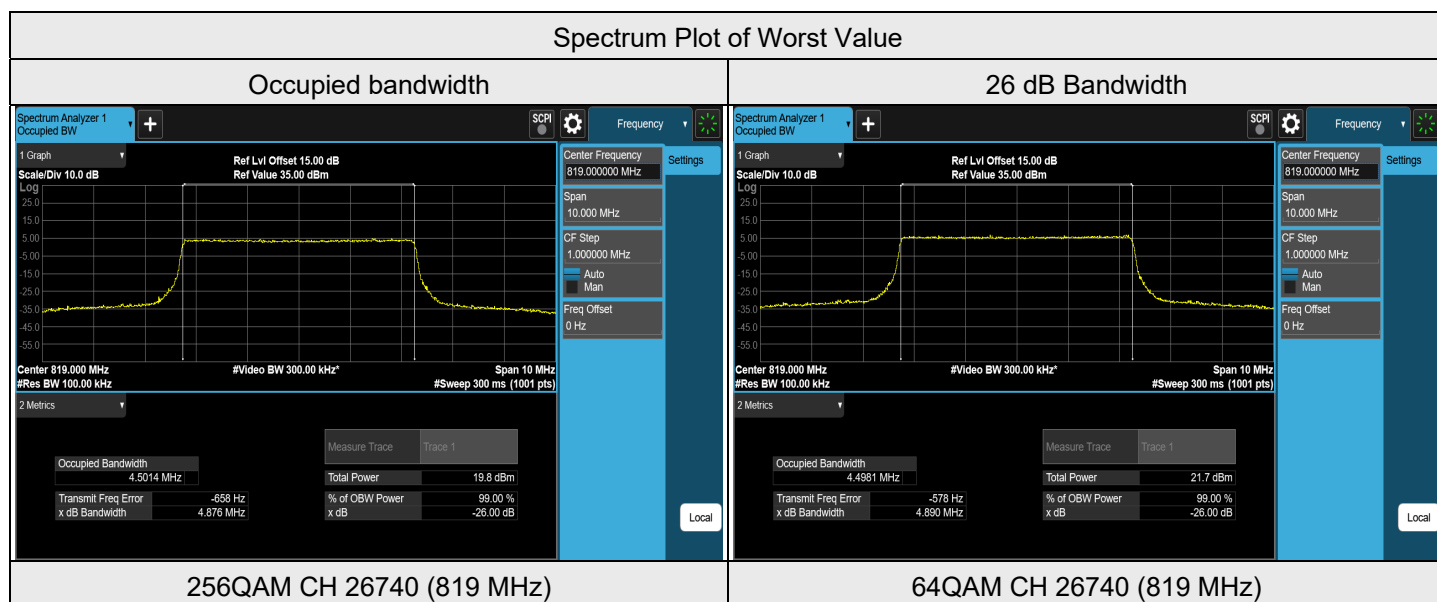
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26705	815.5	2.7013	2.942
QPSK	26740	819	2.7016	2.947
QPSK	26775	822.5	2.6998	2.946
16QAM	26705	815.5	2.6970	2.942
16QAM	26740	819	2.7040	2.938
16QAM	26775	822.5	2.7004	2.957
64QAM	26705	815.5	2.6997	2.973
64QAM	26740	819	2.7034	2.982
64QAM	26775	822.5	2.7000	2.961
256QAM	26705	815.5	2.6991	2.923
256QAM	26740	819	2.7032	2.947
256QAM	26775	822.5	2.7011	2.960



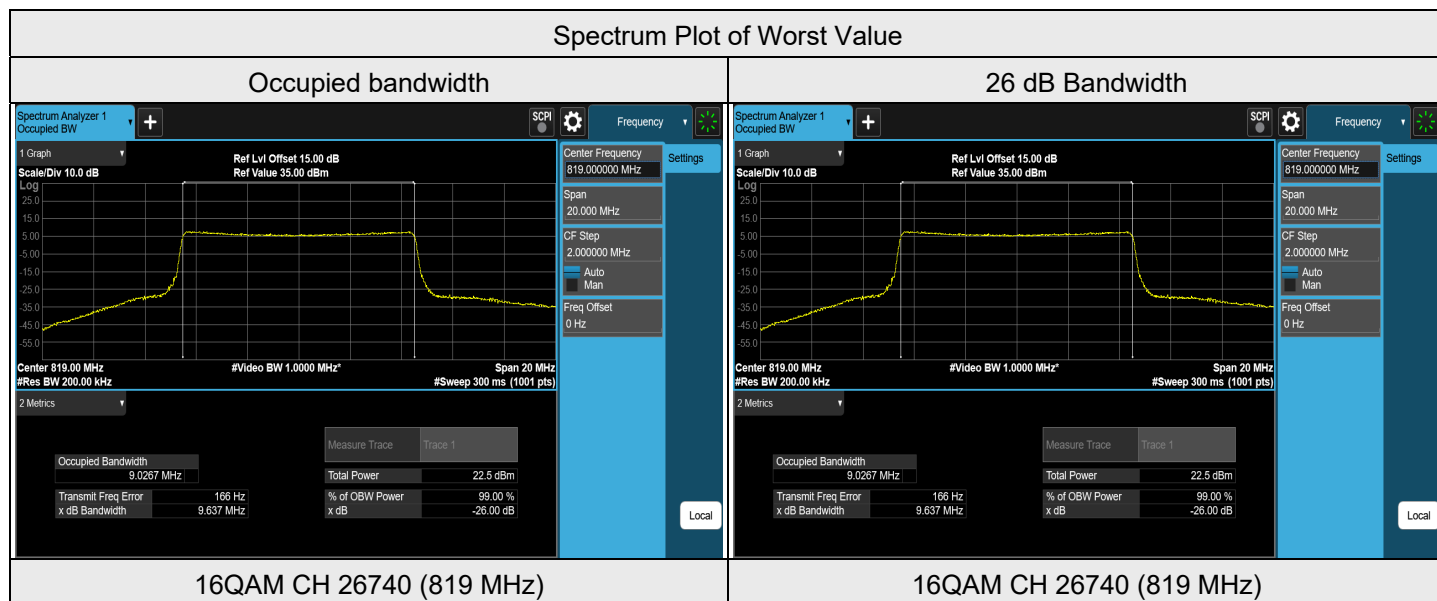
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26715	816.5	4.4918	4.823
QPSK	26740	819	4.5001	4.873
QPSK	26765	821.5	4.4909	4.869
16QAM	26715	816.5	4.4962	4.872
16QAM	26740	819	4.5004	4.874
16QAM	26765	821.5	4.4942	4.857
64QAM	26715	816.5	4.4999	4.843
64QAM	26740	819	4.4981	4.890
64QAM	26765	821.5	4.4929	4.846
256QAM	26715	816.5	4.4994	4.836
256QAM	26740	819	4.5014	4.876
256QAM	26765	821.5	4.4990	4.836



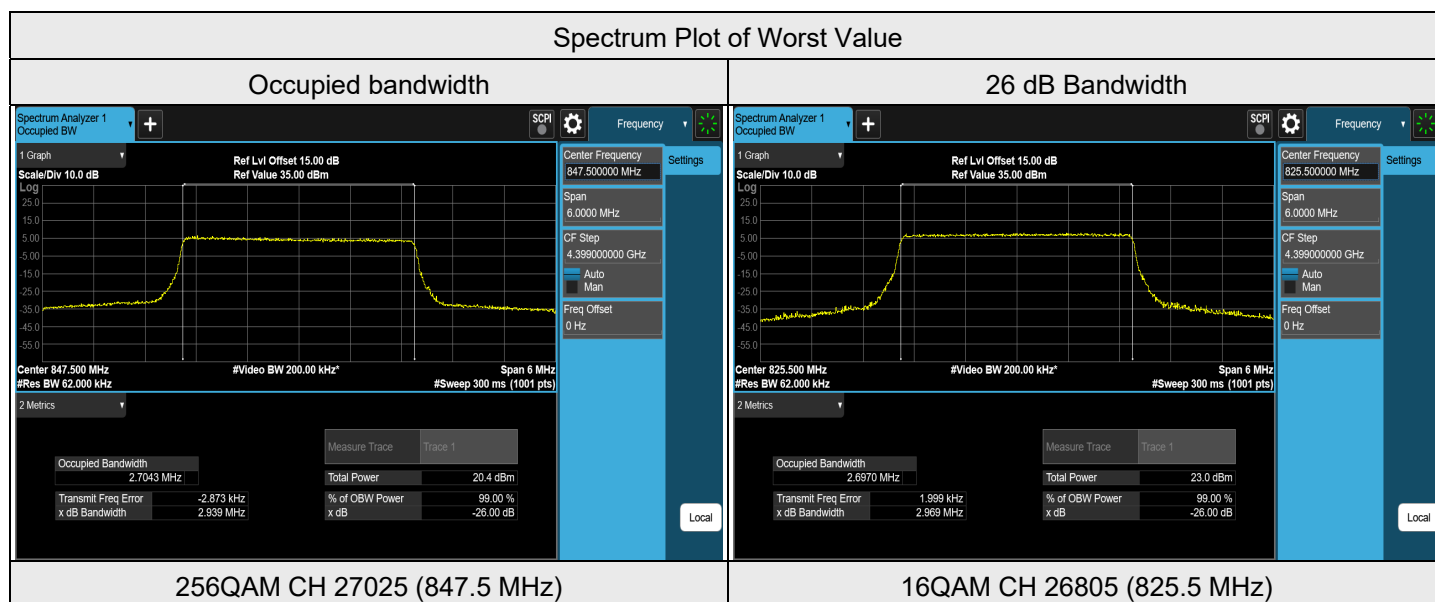
LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26740	819	9.0217	9.568
16QAM	26740	819	9.0267	9.637
64QAM	26740	819	9.0227	9.569
256QAM	26740	819	9.0223	9.598



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

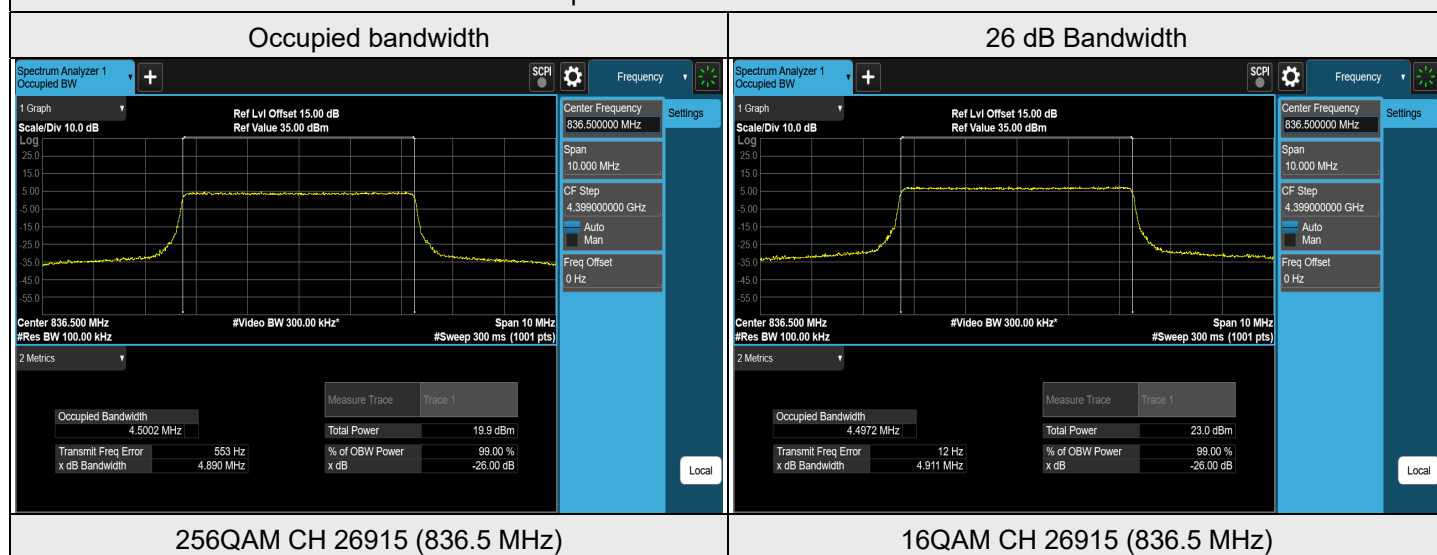
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	26805	825.5	2.6986	2.946
QPSK	26915	836.5	2.7024	2.962
QPSK	27025	847.5	2.7023	2.964
16QAM	26805	825.5	2.6970	2.969
16QAM	26915	836.5	2.7019	2.952
16QAM	27025	847.5	2.7033	2.940
64QAM	26805	825.5	2.7004	2.939
64QAM	26915	836.5	2.7039	2.945
64QAM	27025	847.5	2.7032	2.953
256QAM	26805	825.5	2.6988	2.953
256QAM	26915	836.5	2.7035	2.950
256QAM	27025	847.5	2.7043	2.939



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	4.4855	4.831
QPSK	26915	836.5	4.4996	4.873
QPSK	27015	846.5	4.4947	4.839
16QAM	26815	826.5	4.4840	4.832
16QAM	26915	836.5	4.4972	4.911
16QAM	27015	846.5	4.4951	4.838
64QAM	26815	826.5	4.4839	4.814
64QAM	26915	836.5	4.4994	4.893
64QAM	27015	846.5	4.4922	4.846
256QAM	26815	826.5	4.4854	4.842
256QAM	26915	836.5	4.5002	4.890
256QAM	27015	846.5	4.4962	4.836

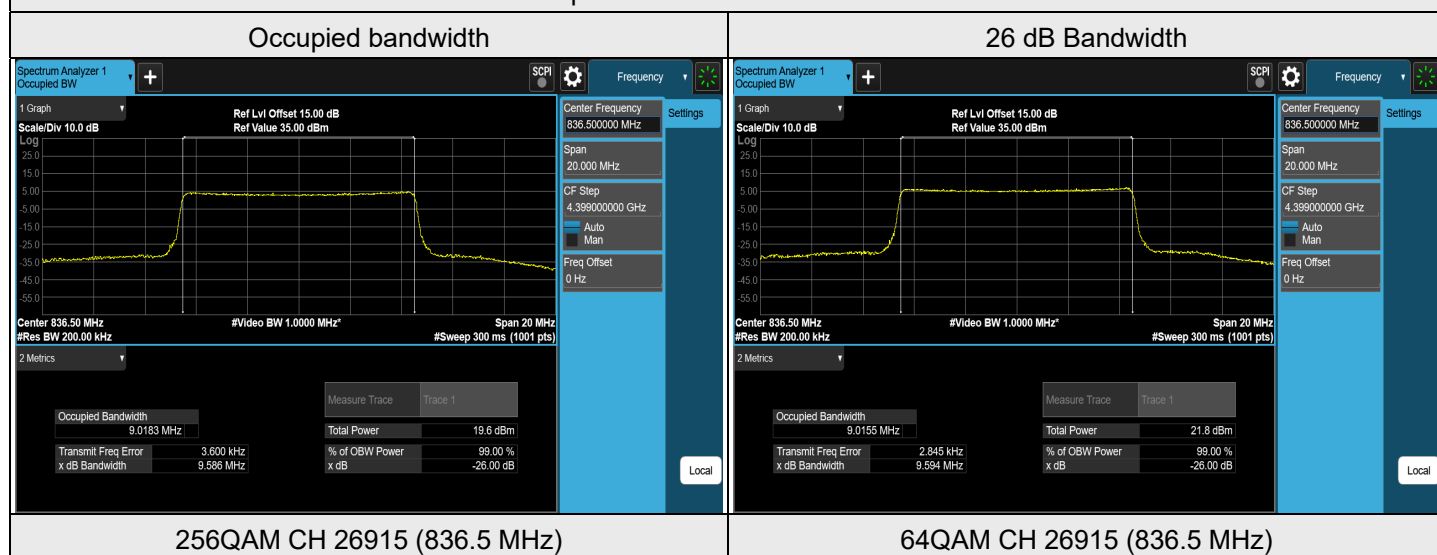
Spectrum Plot of Worst Value



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	8.9385	9.488
QPSK	26915	836.5	9.0128	9.577
QPSK	26990	844	8.9151	9.465
16QAM	26840	829	8.9392	9.533
16QAM	26915	836.5	9.0173	9.552
16QAM	26990	844	8.9119	9.477
64QAM	26840	829	8.9435	9.484
64QAM	26915	836.5	9.0155	9.594
64QAM	26990	844	8.9129	9.469
256QAM	26840	829	8.9476	9.492
256QAM	26915	836.5	9.0183	9.586
256QAM	26990	844	8.9070	9.459

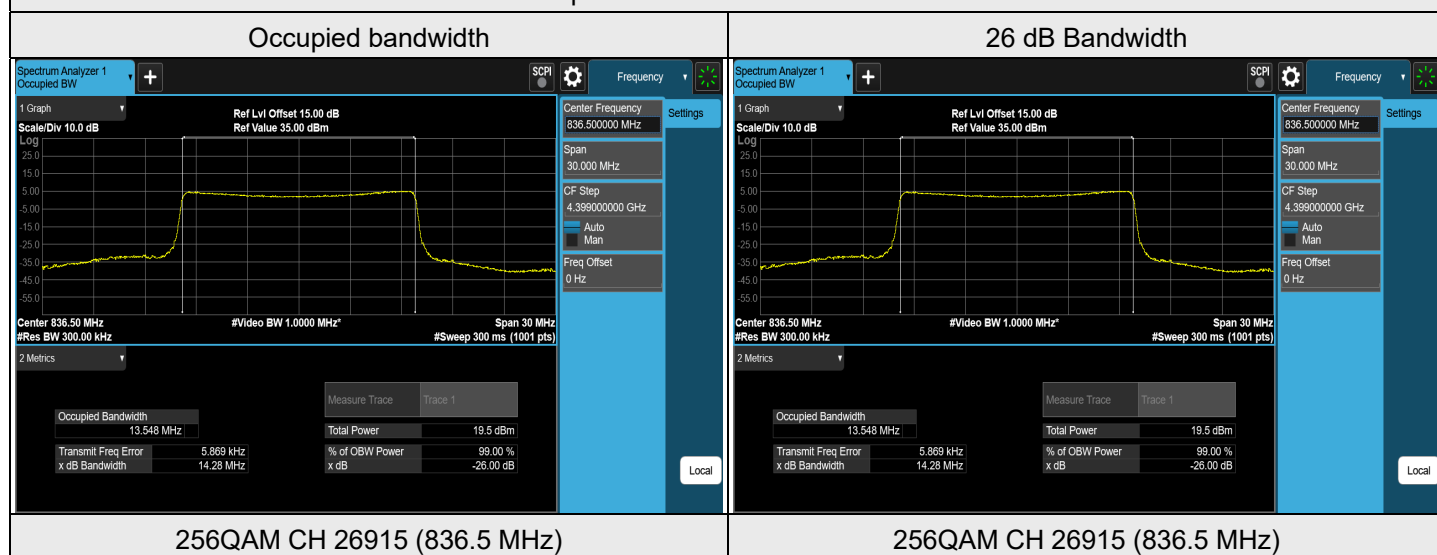
Spectrum Plot of Worst Value



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	13.4551	14.214
QPSK	26915	836.5	13.5356	14.245
QPSK	26965	841.5	13.3725	14.183
16QAM	26865	831.5	13.4581	14.215
16QAM	26915	836.5	13.5438	14.263
16QAM	26965	841.5	13.3636	14.180
64QAM	26865	831.5	13.4486	14.215
64QAM	26915	836.5	13.5356	14.268
64QAM	26965	841.5	13.3637	14.175
256QAM	26865	831.5	13.4451	14.217
256QAM	26915	836.5	13.5478	14.282
256QAM	26965	841.5	13.3913	14.179

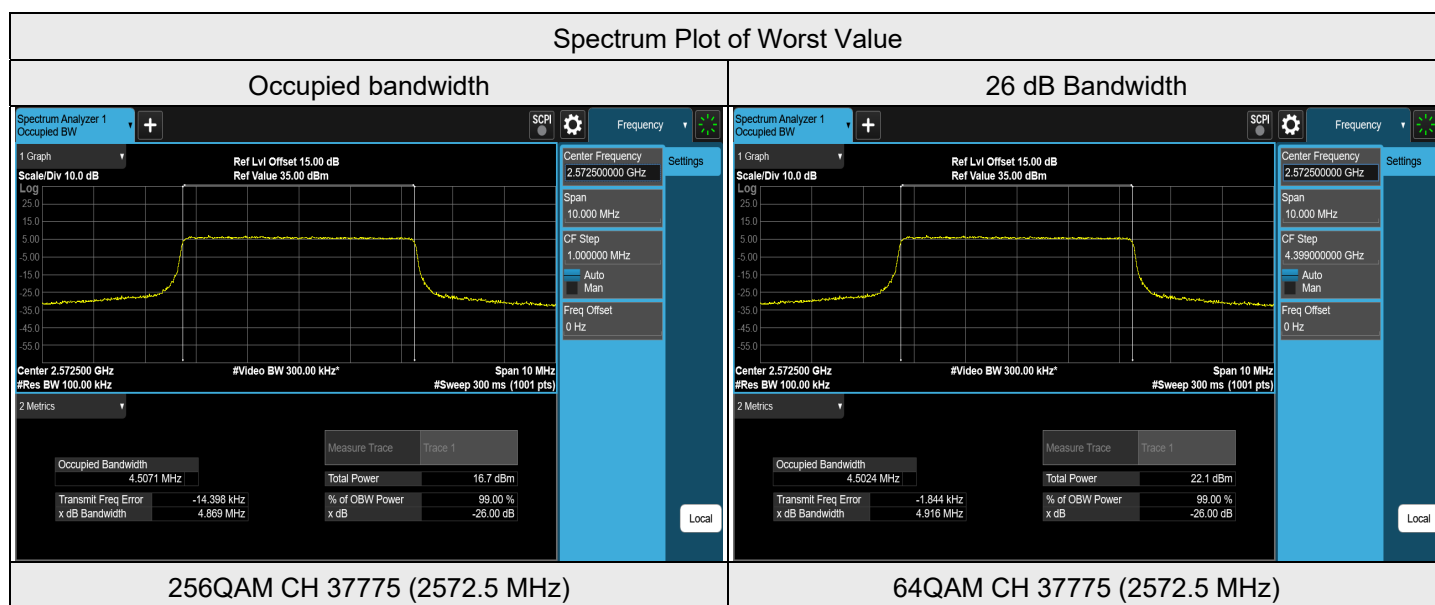
Spectrum Plot of Worst Value



7.4.9 LTE Band 38

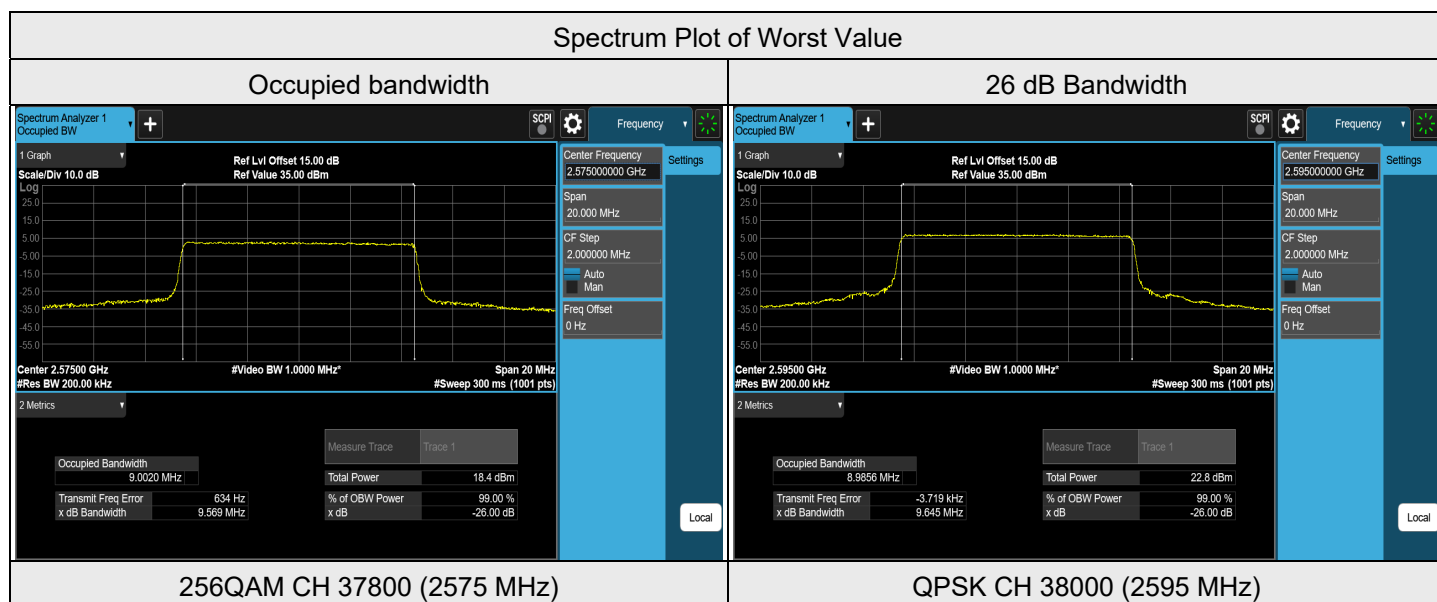
LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37775	2572.5	4.4944	4.873
QPSK	38000	2595	4.4991	4.890
QPSK	38225	2617.5	4.4853	4.881
16QAM	37775	2572.5	4.4954	4.879
16QAM	38000	2595	4.4961	4.857
16QAM	38225	2617.5	4.4941	4.867
64QAM	37775	2572.5	4.5024	4.916
64QAM	38000	2595	4.4960	4.854
64QAM	38225	2617.5	4.4963	4.881
256QAM	37775	2572.5	4.5071	4.869
256QAM	38000	2595	4.4990	4.871
256QAM	38225	2617.5	4.5001	4.890



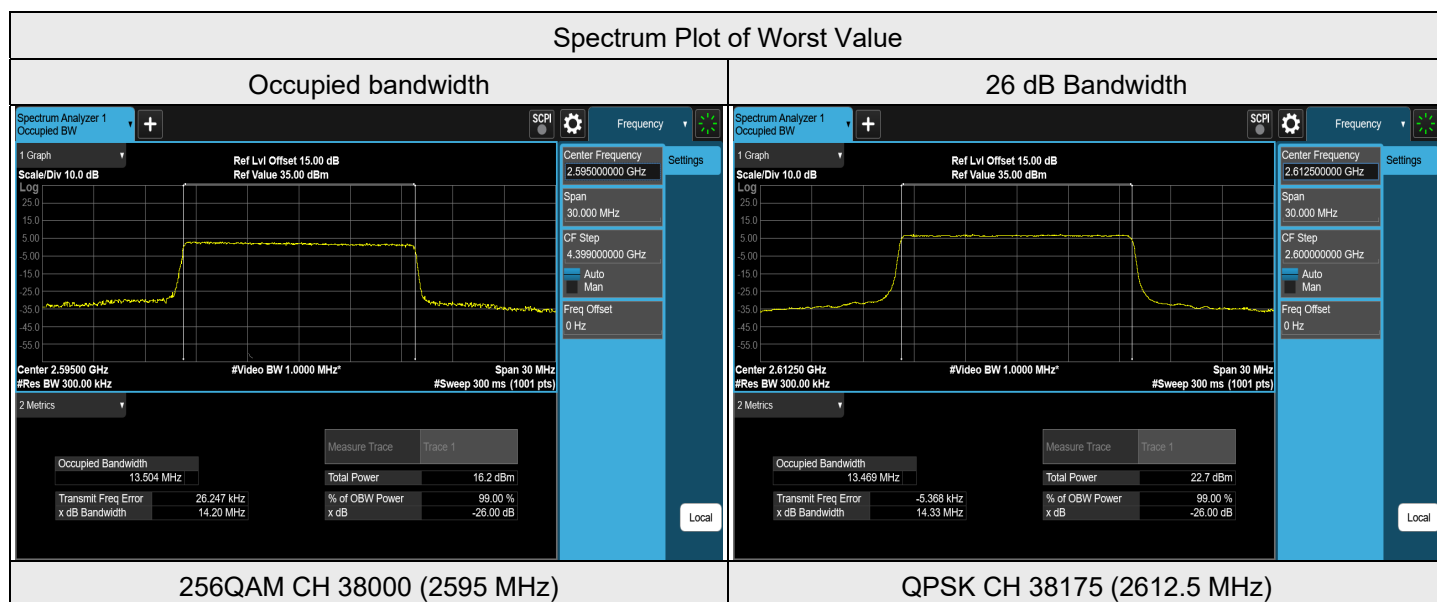
LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37800	2575	8.9824	9.564
QPSK	38000	2595	8.9856	9.645
QPSK	38200	2615	8.9774	9.625
16QAM	37800	2575	8.9864	9.543
16QAM	38000	2595	8.9932	9.620
16QAM	38200	2615	8.9801	9.587
64QAM	37800	2575	8.9676	9.547
64QAM	38000	2595	8.9896	9.583
64QAM	38200	2615	8.9754	9.550
256QAM	37800	2575	9.0020	9.569
256QAM	38000	2595	8.9821	9.547
256QAM	38200	2615	8.9893	9.535



LTE Band 38, Channel Bandwidth: 15 MHz

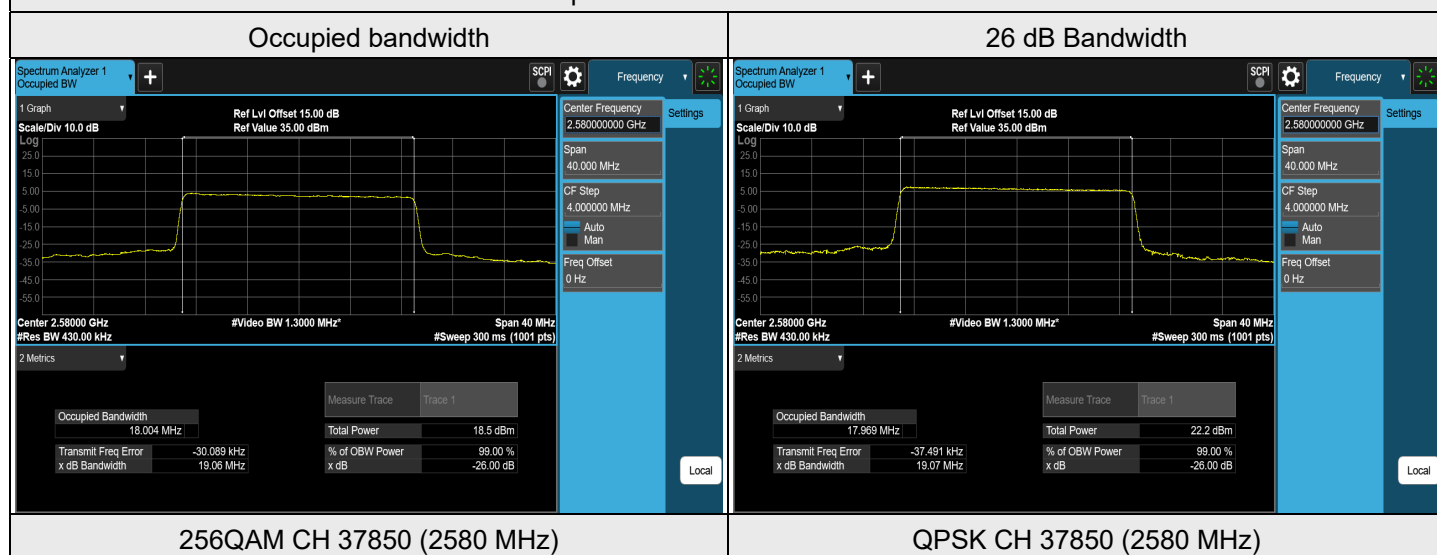
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37825	2577.5	13.4636	14.309
QPSK	38000	2595	13.4673	14.291
QPSK	38175	2612.5	13.4692	14.326
16QAM	37825	2577.5	13.4645	14.273
16QAM	38000	2595	13.4671	14.272
16QAM	38175	2612.5	13.4688	14.271
64QAM	37825	2577.5	13.4707	14.273
64QAM	38000	2595	13.4640	14.263
64QAM	38175	2612.5	13.4697	14.279
256QAM	37825	2577.5	13.4578	14.263
256QAM	38000	2595	13.5043	14.197
256QAM	38175	2612.5	13.4860	14.261



LTE Band 38, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	37850	2580	17.9694	19.071
QPSK	38000	2595	17.9677	19.041
QPSK	38150	2610	17.9656	19.062
16QAM	37850	2580	17.9569	19.053
16QAM	38000	2595	17.9663	19.016
16QAM	38150	2610	17.9548	19.062
64QAM	37850	2580	17.9622	19.044
64QAM	38000	2595	17.9456	19.030
64QAM	38150	2610	17.9603	19.040
256QAM	37850	2580	18.0035	19.059
256QAM	38000	2595	17.9886	18.974
256QAM	38150	2610	17.9867	19.071

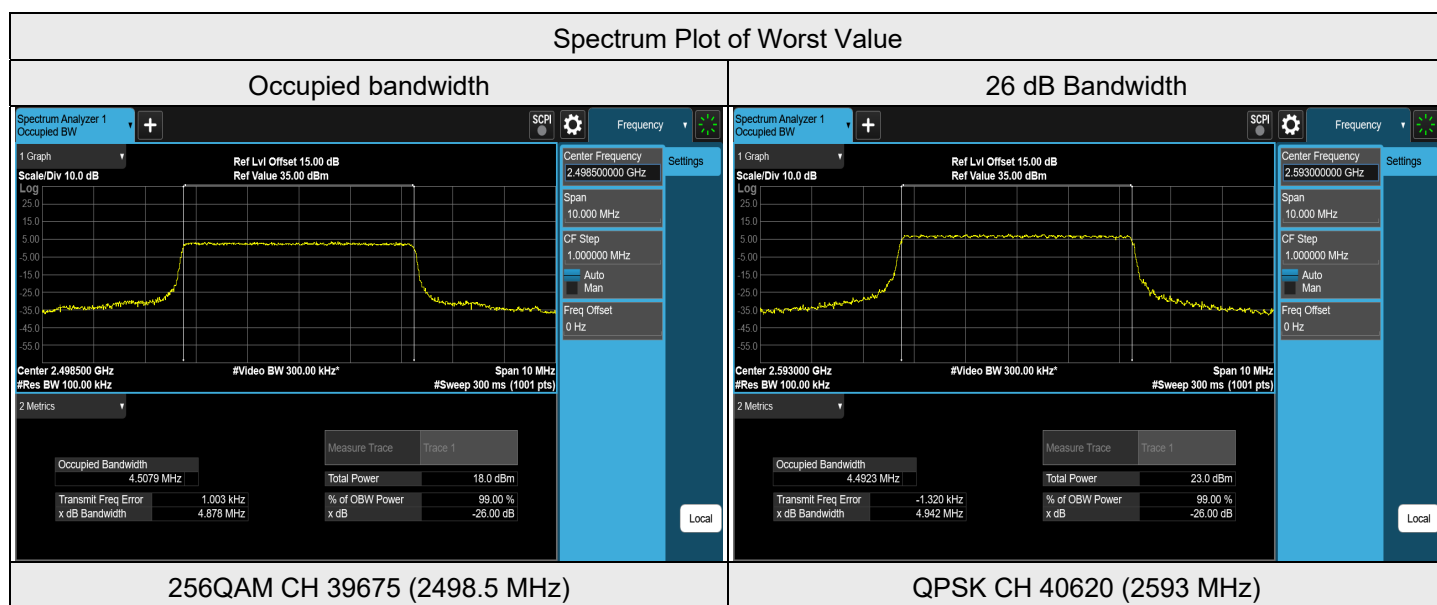
Spectrum Plot of Worst Value



7.4.10 LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

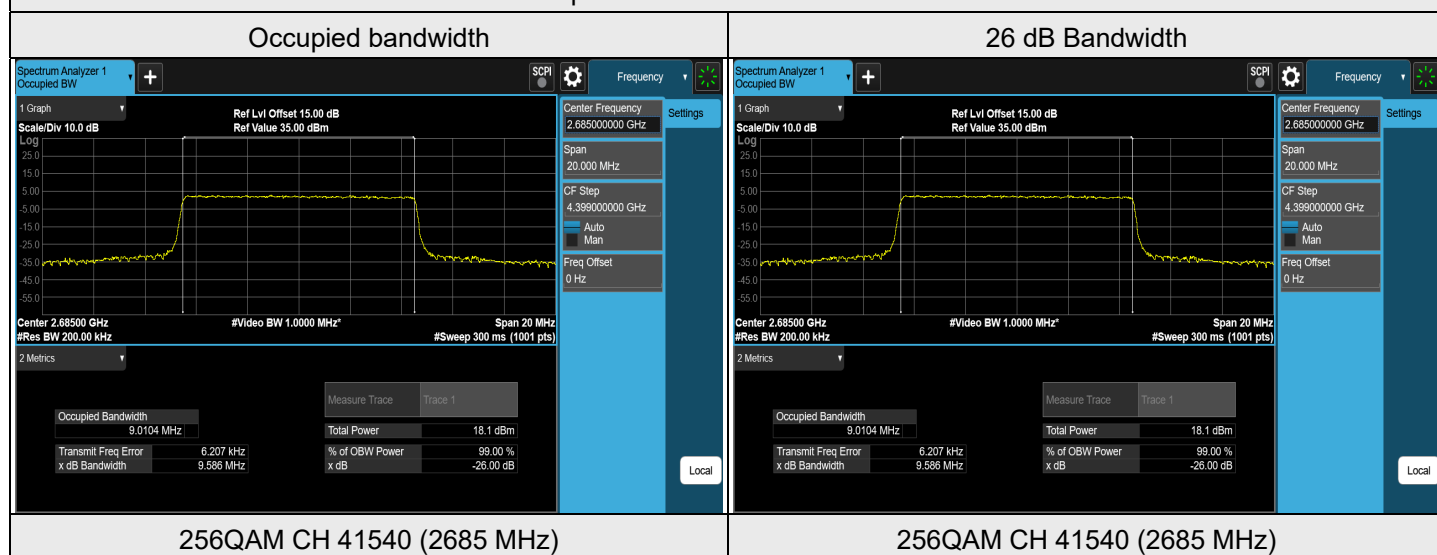
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39675	2498.5	4.4862	4.822
QPSK	40620	2593	4.4923	4.942
QPSK	41565	2687.5	4.4910	4.867
16QAM	39675	2498.5	4.4885	4.832
16QAM	40620	2593	4.4934	4.846
16QAM	41565	2687.5	4.4938	4.917
64QAM	39675	2498.5	4.4922	4.855
64QAM	40620	2593	4.4949	4.863
64QAM	41565	2687.5	4.4893	4.834
256QAM	39675	2498.5	4.5079	4.878
256QAM	40620	2593	4.4992	4.856
256QAM	41565	2687.5	4.4923	4.851



LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39700	2501	8.9709	9.525
QPSK	40620	2593	8.9630	9.557
QPSK	41540	2685	8.9830	9.526
16QAM	39700	2501	8.9669	9.516
16QAM	40620	2593	8.9786	9.550
16QAM	41540	2685	8.8994	9.530
64QAM	39700	2501	8.9656	9.559
64QAM	40620	2593	8.9708	9.525
64QAM	41540	2685	8.9772	9.545
256QAM	39700	2501	8.9739	9.535
256QAM	40620	2593	8.9753	9.555
256QAM	41540	2685	9.0104	9.586

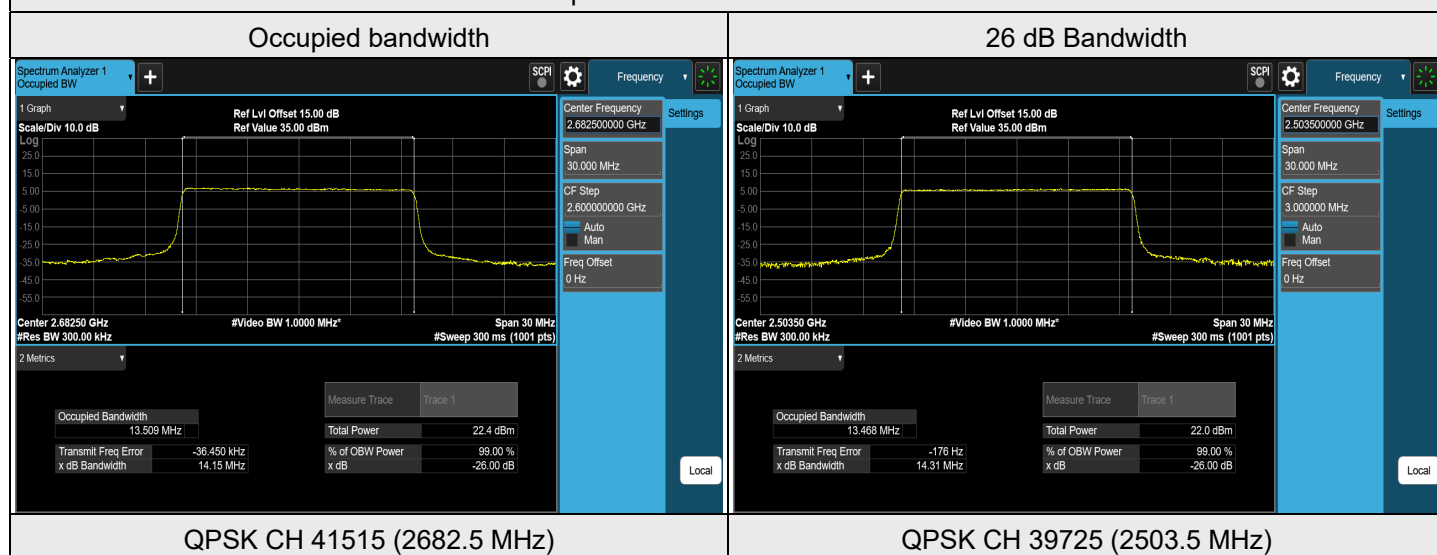
Spectrum Plot of Worst Value



LTE Band 41, Channel Bandwidth: 15 MHz

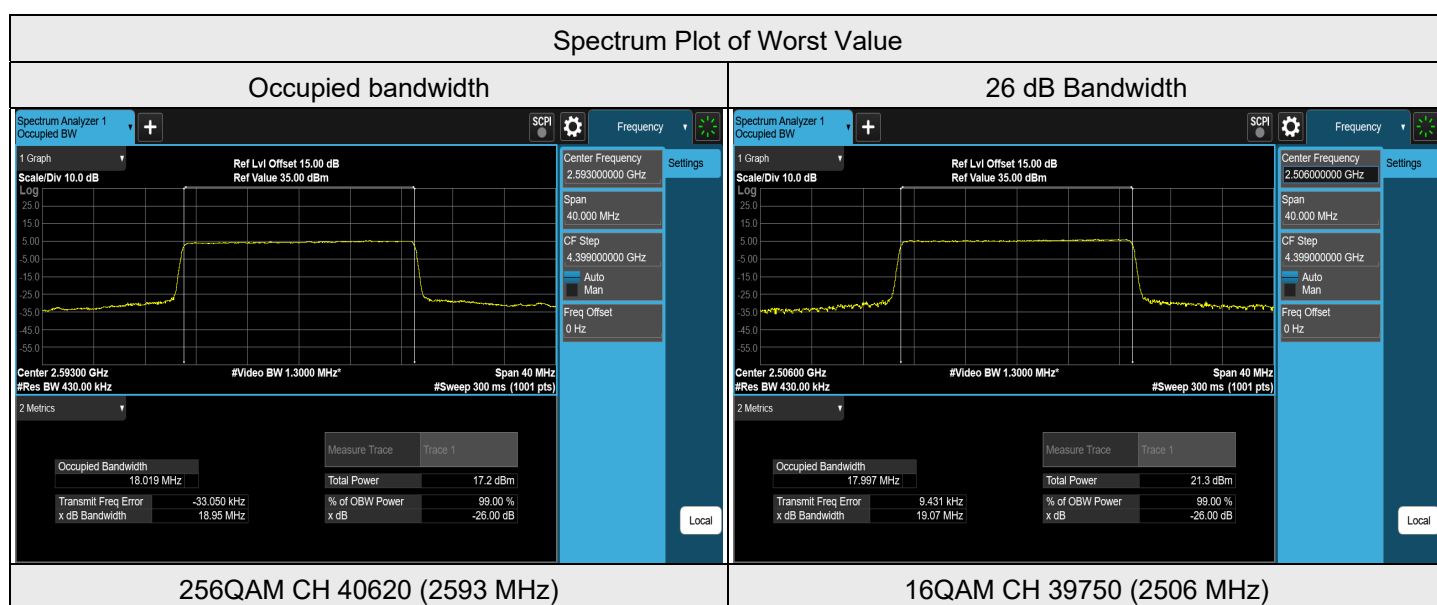
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39725	2503.5	13.4678	14.311
QPSK	40620	2593	13.4671	14.285
QPSK	41515	2682.5	13.5092	14.150
16QAM	39725	2503.5	13.4709	14.295
16QAM	40620	2593	13.4684	14.270
16QAM	41515	2682.5	13.4752	14.294
64QAM	39725	2503.5	13.4595	14.302
64QAM	40620	2593	13.4781	14.279
64QAM	41515	2682.5	13.4774	14.273
256QAM	39725	2503.5	13.3740	14.259
256QAM	40620	2593	13.4943	14.216
256QAM	41515	2682.5	13.4840	14.288

Spectrum Plot of Worst Value



LTE Band 41, Channel Bandwidth: 20 MHz

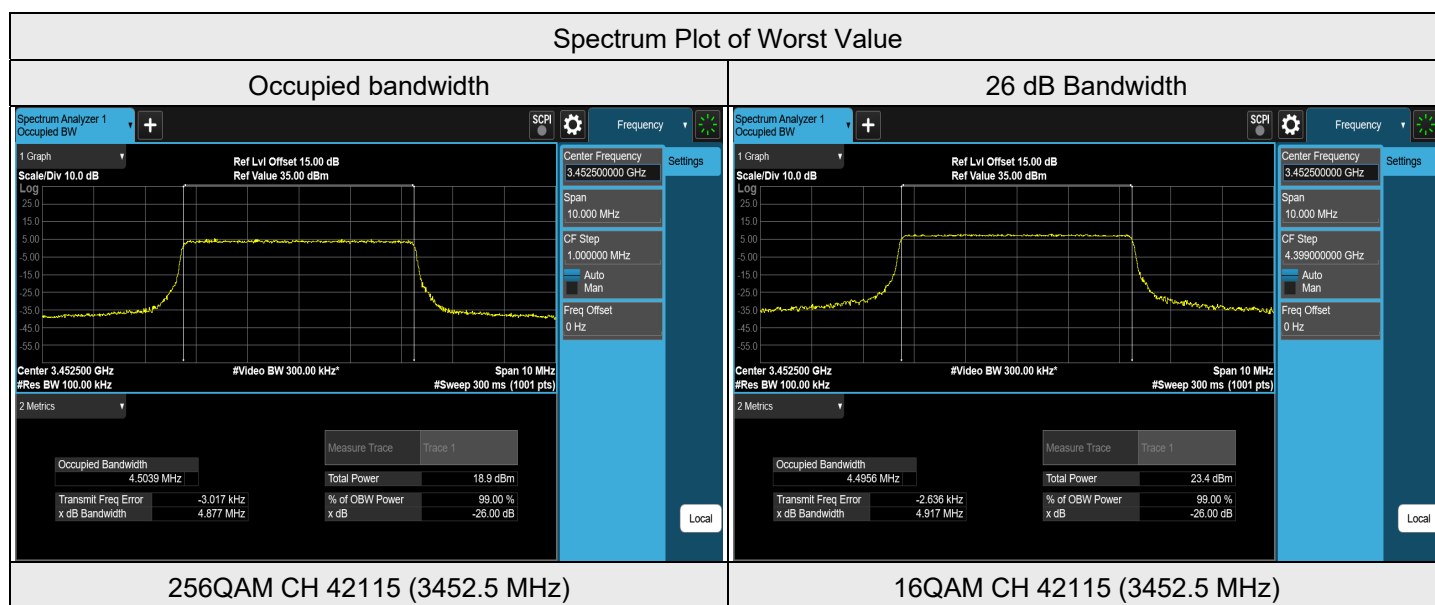
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	39750	2506	17.9820	19.059
QPSK	40620	2593	17.7466	19.066
QPSK	41490	2680	17.9803	19.039
16QAM	39750	2506	17.9973	19.073
16QAM	40620	2593	17.9733	19.051
16QAM	41490	2680	17.9748	19.021
64QAM	39750	2506	17.9782	19.071
64QAM	40620	2593	17.9732	19.045
64QAM	41490	2680	17.9846	19.026
256QAM	39750	2506	18.0086	19.069
256QAM	40620	2593	18.0195	18.950
256QAM	41490	2680	17.9700	19.001



7.4.11 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 5 MHz

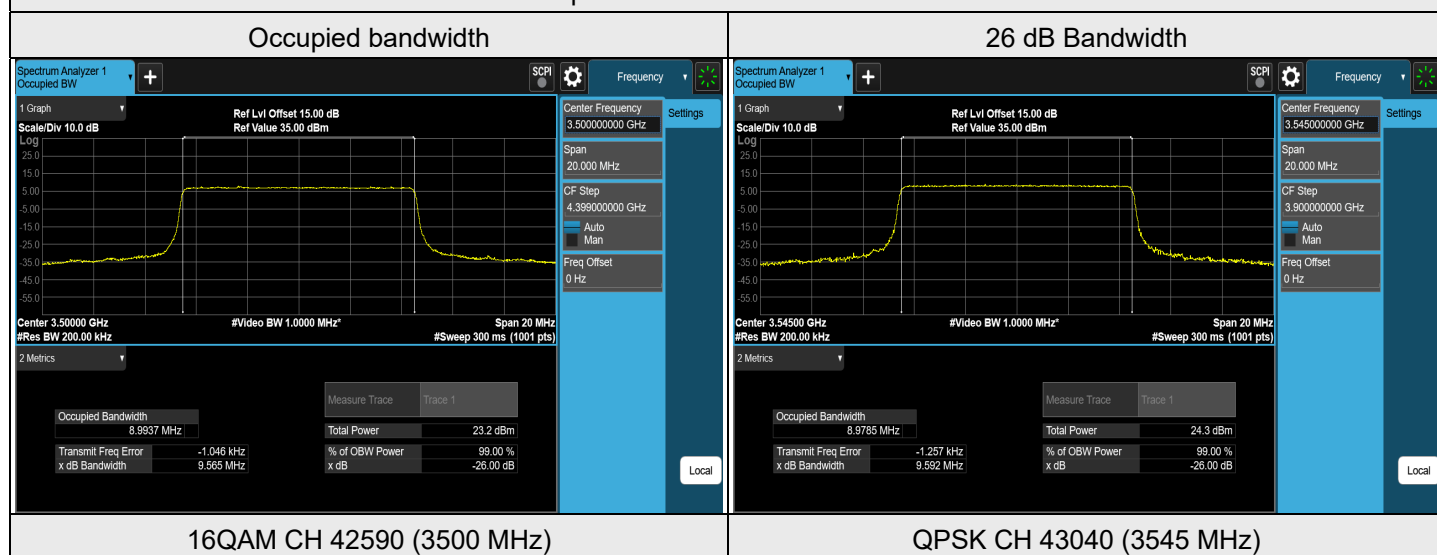
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	42115	3452.5	4.4963	4.905
QPSK	42590	3500	4.4955	4.888
QPSK	43065	3547.5	4.4973	4.877
16QAM	42115	3452.5	4.4956	4.917
16QAM	42590	3500	4.4927	4.898
16QAM	43065	3547.5	4.4910	4.859
64QAM	42115	3452.5	4.4923	4.890
64QAM	42590	3500	4.4947	4.858
64QAM	43065	3547.5	4.4945	4.875
256QAM	42115	3452.5	4.5039	4.877
256QAM	42590	3500	4.4253	4.773
256QAM	43065	3547.5	4.4928	4.823



LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 10 MHz

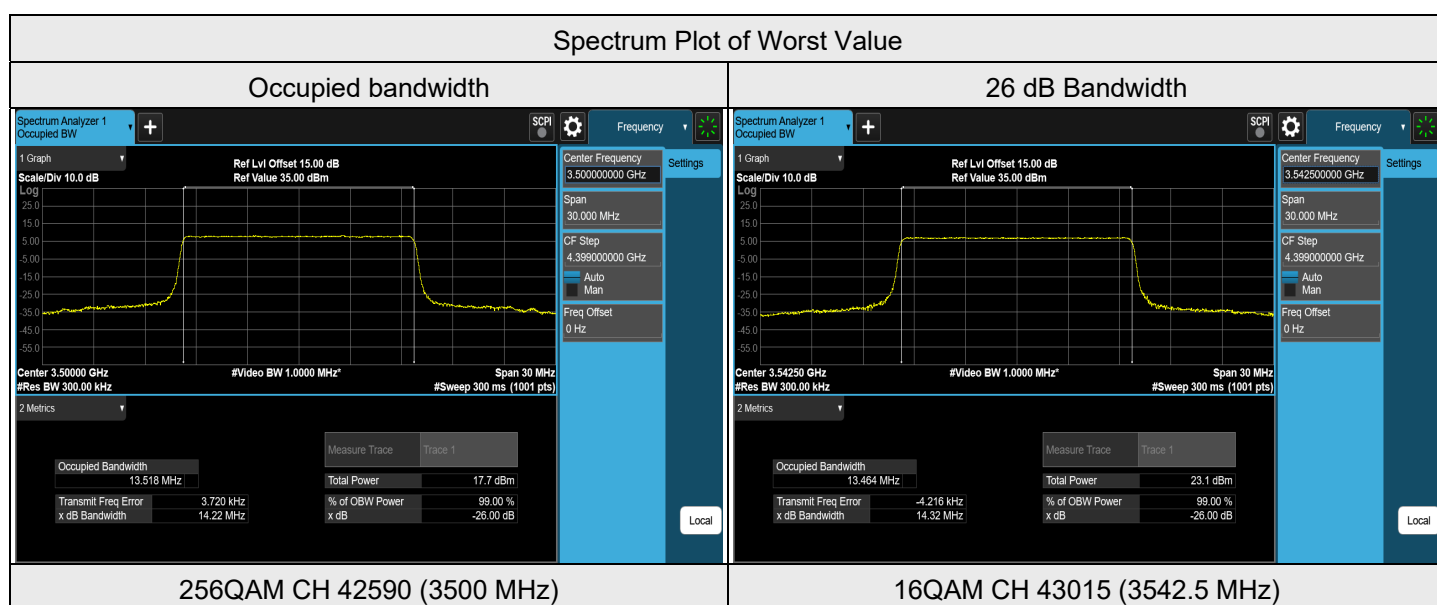
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	42140	3455	8.9796	9.568
QPSK	42590	3500	8.9770	9.563
QPSK	43040	3545	8.9785	9.592
16QAM	42140	3455	8.9755	9.555
16QAM	42590	3500	8.9937	9.565
16QAM	43040	3545	8.9697	9.541
64QAM	42140	3455	8.9660	9.520
64QAM	42590	3500	8.9813	9.540
64QAM	43040	3545	8.9757	9.519
256QAM	42140	3455	8.9650	9.527
256QAM	42590	3500	8.9794	9.541
256QAM	43040	3545	8.9910	9.532

Spectrum Plot of Worst Value



LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 15 MHz

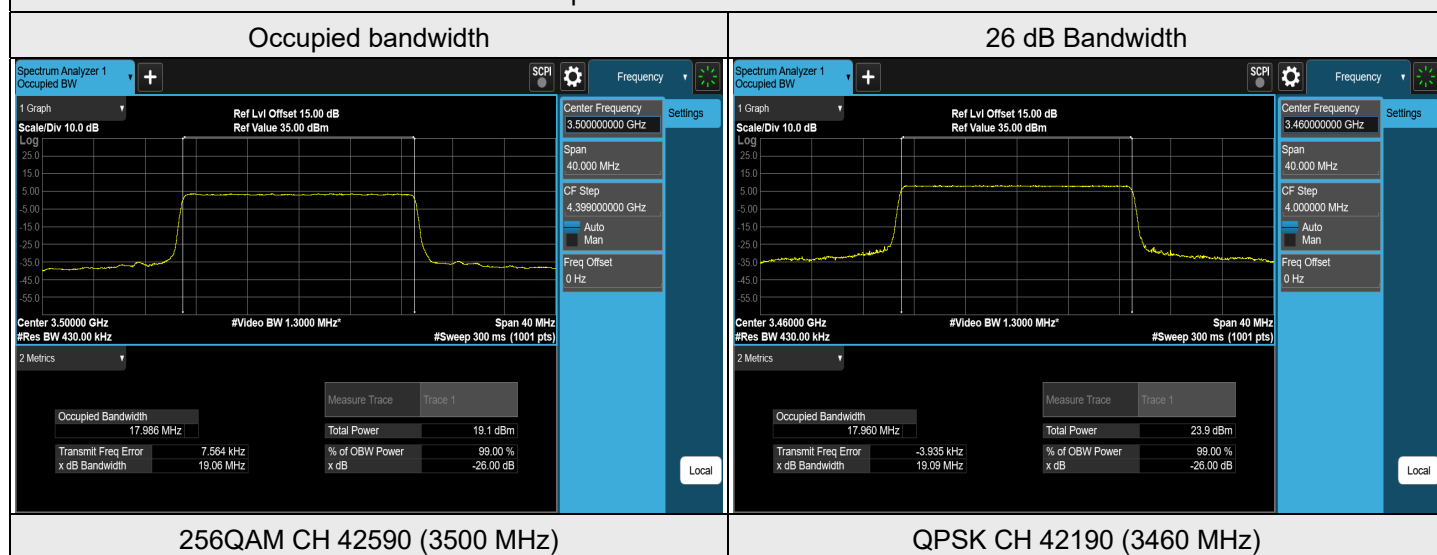
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	42165	3457.5	13.4683	14.306
QPSK	42590	3500	13.4554	14.264
QPSK	43015	3542.5	13.4654	14.266
16QAM	42165	3457.5	13.4654	14.312
16QAM	42590	3500	13.4609	14.279
16QAM	43015	3542.5	13.4644	14.322
64QAM	42165	3457.5	13.4597	14.268
64QAM	42590	3500	13.4592	14.256
64QAM	43015	3542.5	13.4680	14.295
256QAM	42165	3457.5	13.4712	14.208
256QAM	42590	3500	13.5178	14.220
256QAM	43015	3542.5	13.4735	14.237



LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	42190	3460	17.9600	19.089
QPSK	42590	3500	17.9680	19.041
QPSK	42990	3540	17.9831	19.072
16QAM	42190	3460	17.9547	19.049
16QAM	42590	3500	17.9432	19.059
16QAM	42990	3540	17.9504	19.035
64QAM	42190	3460	17.9410	19.027
64QAM	42590	3500	17.9499	19.050
64QAM	42990	3540	17.9462	19.056
256QAM	42190	3460	17.9750	19.065
256QAM	42590	3500	17.9865	19.058
256QAM	42990	3540	17.9573	19.020

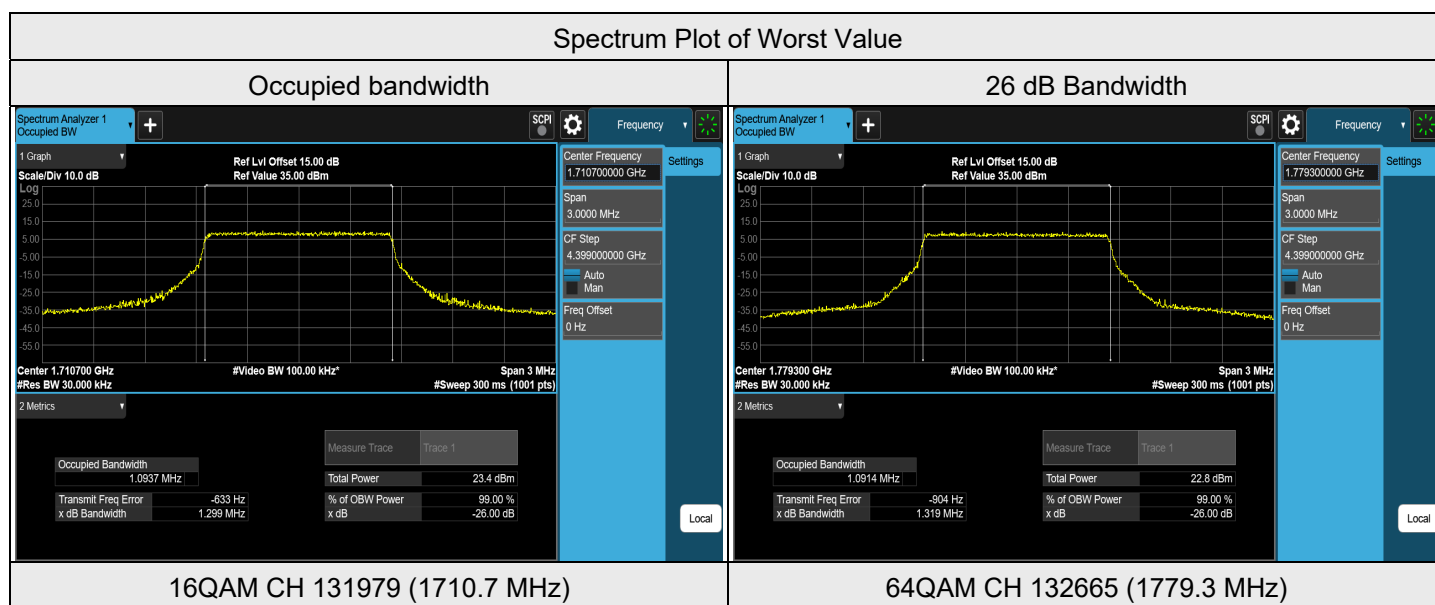
Spectrum Plot of Worst Value



7.4.12 LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

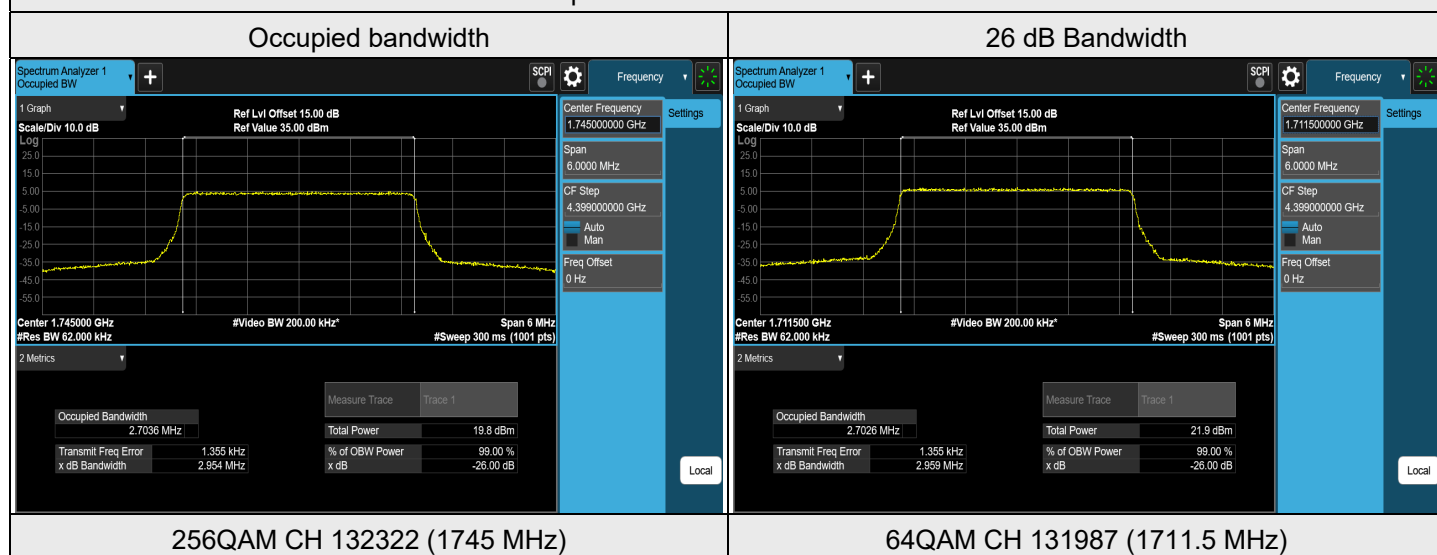
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131979	1710.7	1.0919	1.290
QPSK	132322	1745	1.0916	1.286
QPSK	132665	1779.3	1.0904	1.282
16QAM	131979	1710.7	1.0937	1.299
16QAM	132322	1745	1.0903	1.303
16QAM	132665	1779.3	1.0930	1.303
64QAM	131979	1710.7	1.0887	1.301
64QAM	132322	1745	1.0898	1.292
64QAM	132665	1779.3	1.0914	1.319
256QAM	131979	1710.7	1.0922	1.309
256QAM	132322	1745	1.0912	1.313
256QAM	132665	1779.3	1.0917	1.290



LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131987	1711.5	2.7008	2.937
QPSK	132322	1745	2.6980	2.937
QPSK	132657	1778.5	2.6991	2.950
16QAM	131987	1711.5	2.7006	2.952
16QAM	132322	1745	2.7018	2.954
16QAM	132657	1778.5	2.7020	2.937
64QAM	131987	1711.5	2.7026	2.959
64QAM	132322	1745	2.7012	2.959
64QAM	132657	1778.5	2.6999	2.947
256QAM	131987	1711.5	2.6993	2.955
256QAM	132322	1745	2.7036	2.954
256QAM	132657	1778.5	2.7024	2.948

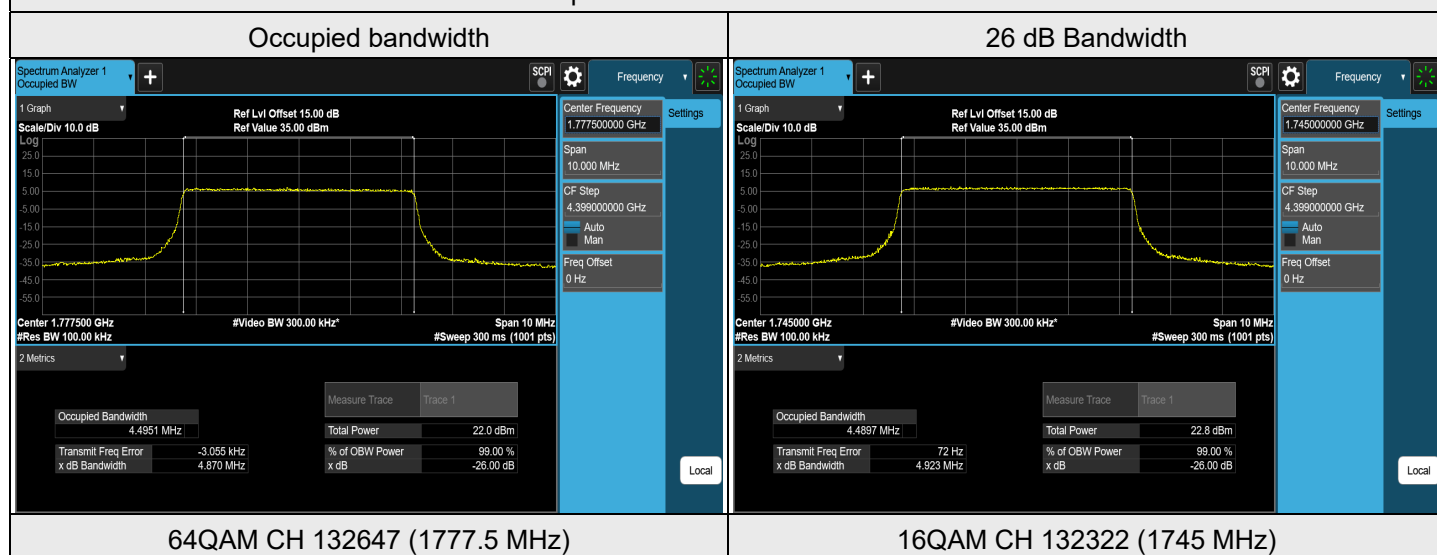
Spectrum Plot of Worst Value



LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	131997	1712.5	4.4930	4.853
QPSK	132322	1745	4.4933	4.906
QPSK	132647	1777.5	4.4891	4.850
16QAM	131997	1712.5	4.4918	4.871
16QAM	132322	1745	4.4897	4.923
16QAM	132647	1777.5	4.4915	4.852
64QAM	131997	1712.5	4.4890	4.852
64QAM	132322	1745	4.4934	4.901
64QAM	132647	1777.5	4.4951	4.870
256QAM	131997	1712.5	4.4925	4.857
256QAM	132322	1745	4.4926	4.907
256QAM	132647	1777.5	4.4936	4.850

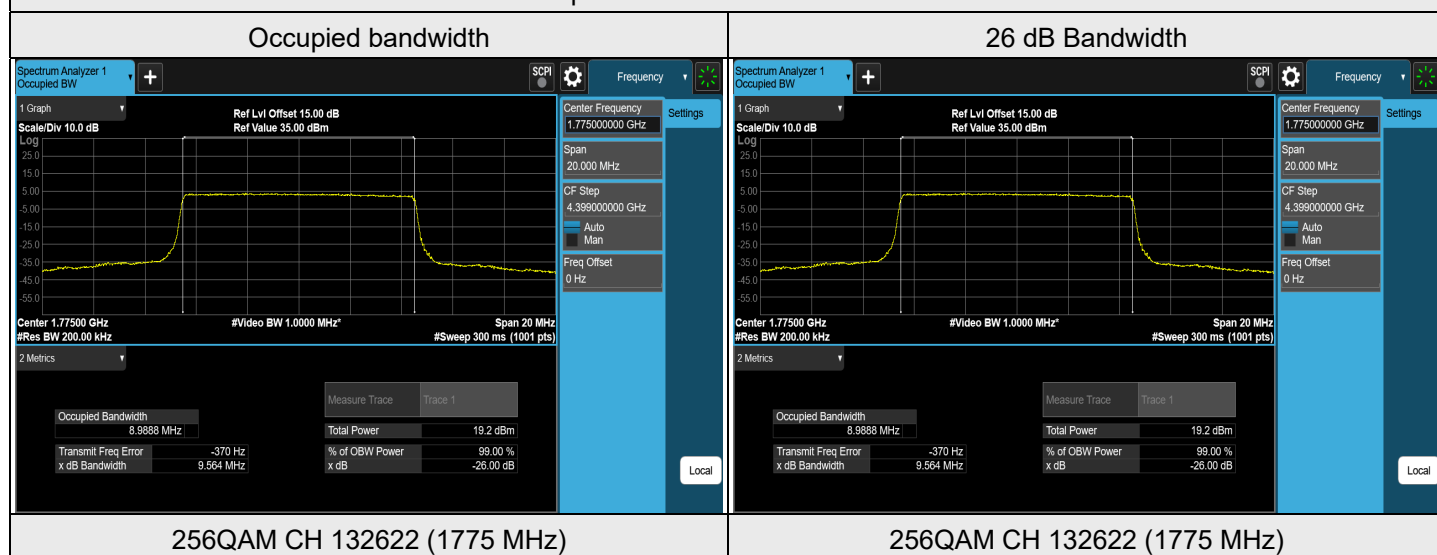
Spectrum Plot of Worst Value



LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132022	1715	8.9809	9.539
QPSK	132322	1745	8.9713	9.533
QPSK	132622	1775	8.9591	9.525
16QAM	132022	1715	8.9812	9.541
16QAM	132322	1745	8.9743	9.536
16QAM	132622	1775	8.9685	9.562
64QAM	132022	1715	8.9806	9.522
64QAM	132322	1745	8.9712	9.544
64QAM	132622	1775	8.9686	9.549
256QAM	132022	1715	8.9747	9.515
256QAM	132322	1745	8.9753	9.536
256QAM	132622	1775	8.9888	9.564

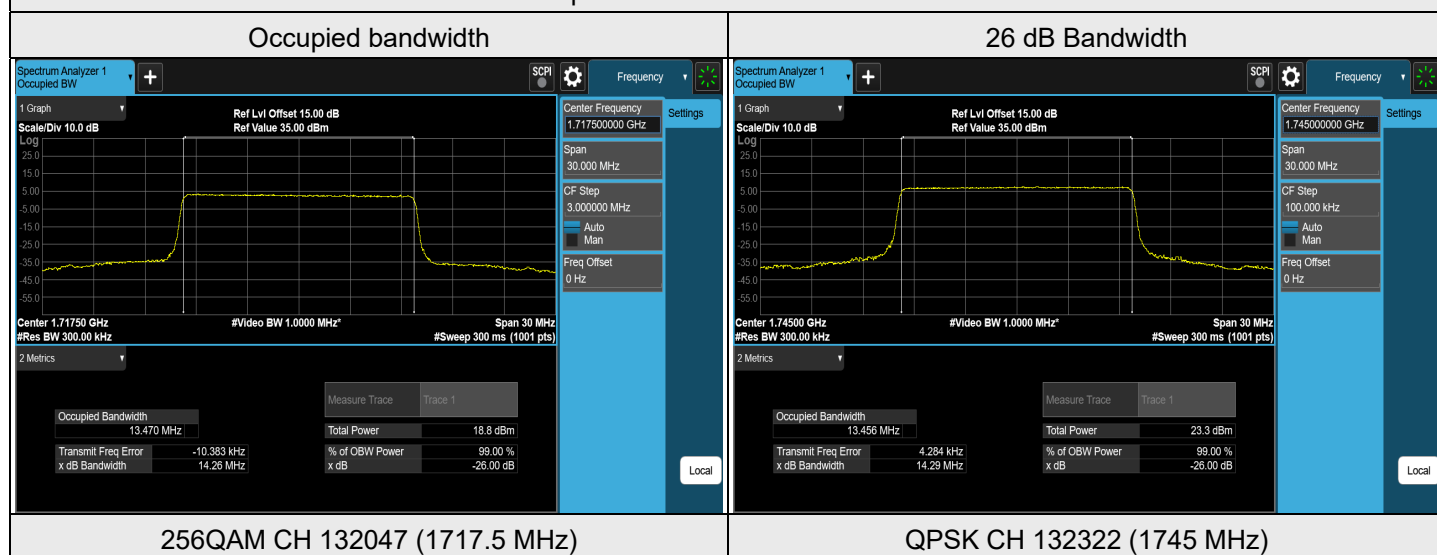
Spectrum Plot of Worst Value



LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132047	1717.5	13.4646	14.263
QPSK	132322	1745	13.4564	14.287
QPSK	132597	1772.5	13.4425	14.252
16QAM	132047	1717.5	13.4651	14.271
16QAM	132322	1745	13.4642	14.262
16QAM	132597	1772.5	13.4385	14.253
64QAM	132047	1717.5	13.4629	14.255
64QAM	132322	1745	13.4505	14.255
64QAM	132597	1772.5	13.4353	14.246
256QAM	132047	1717.5	13.4702	14.262
256QAM	132322	1745	13.4561	14.240
256QAM	132597	1772.5	13.4483	14.249

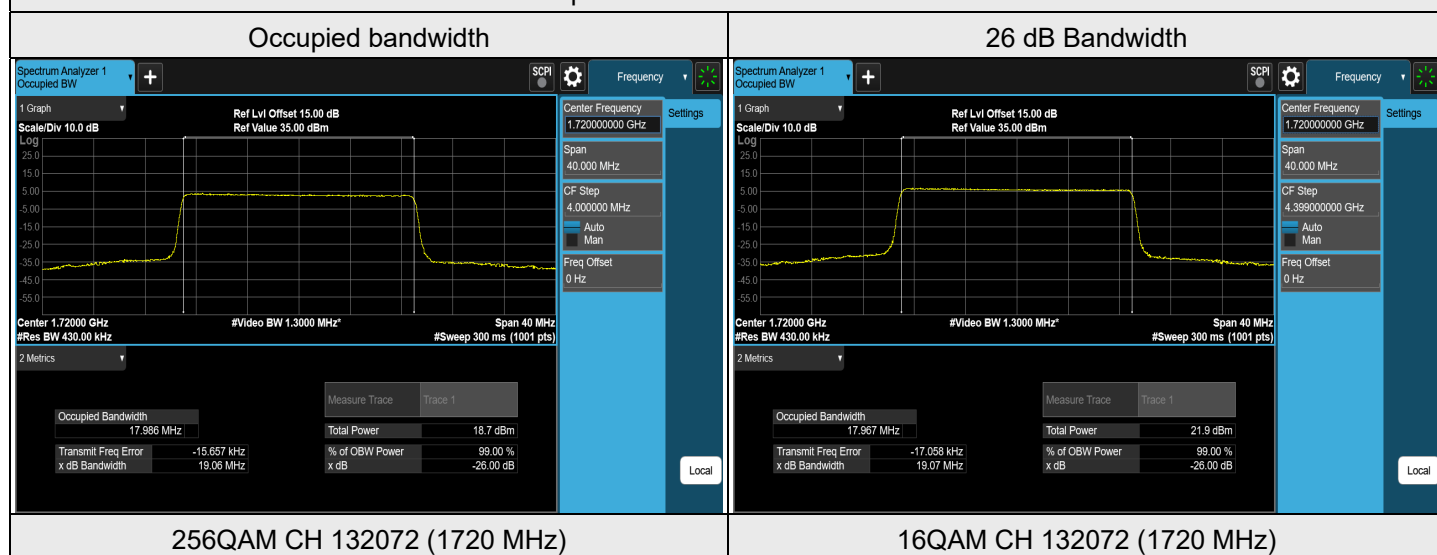
Spectrum Plot of Worst Value



LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	132072	1720	17.9784	19.033
QPSK	132322	1745	17.9445	19.037
QPSK	132572	1770	17.9416	19.045
16QAM	132072	1720	17.9672	19.068
16QAM	132322	1745	17.9379	19.044
16QAM	132572	1770	17.9380	19.040
64QAM	132072	1720	17.9778	19.059
64QAM	132322	1745	17.9388	19.045
64QAM	132572	1770	17.9403	19.048
256QAM	132072	1720	17.9859	19.057
256QAM	132322	1745	17.9519	19.051
256QAM	132572	1770	17.9482	19.029

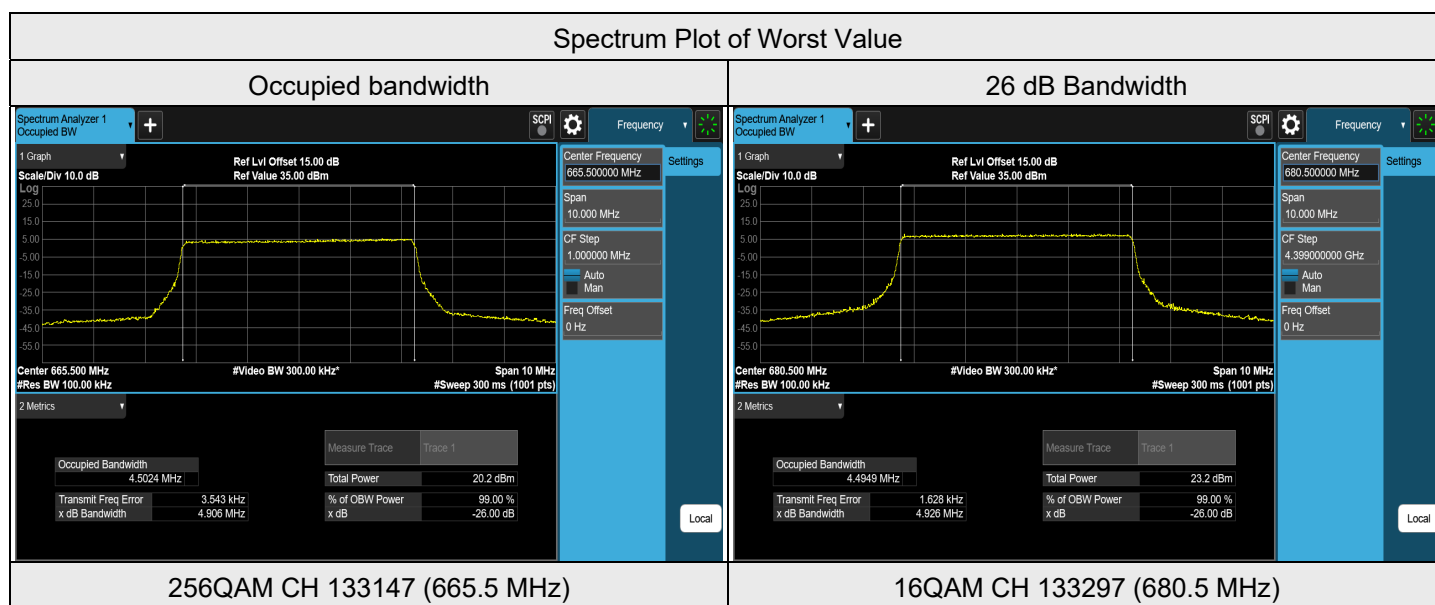
Spectrum Plot of Worst Value



7.4.13 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

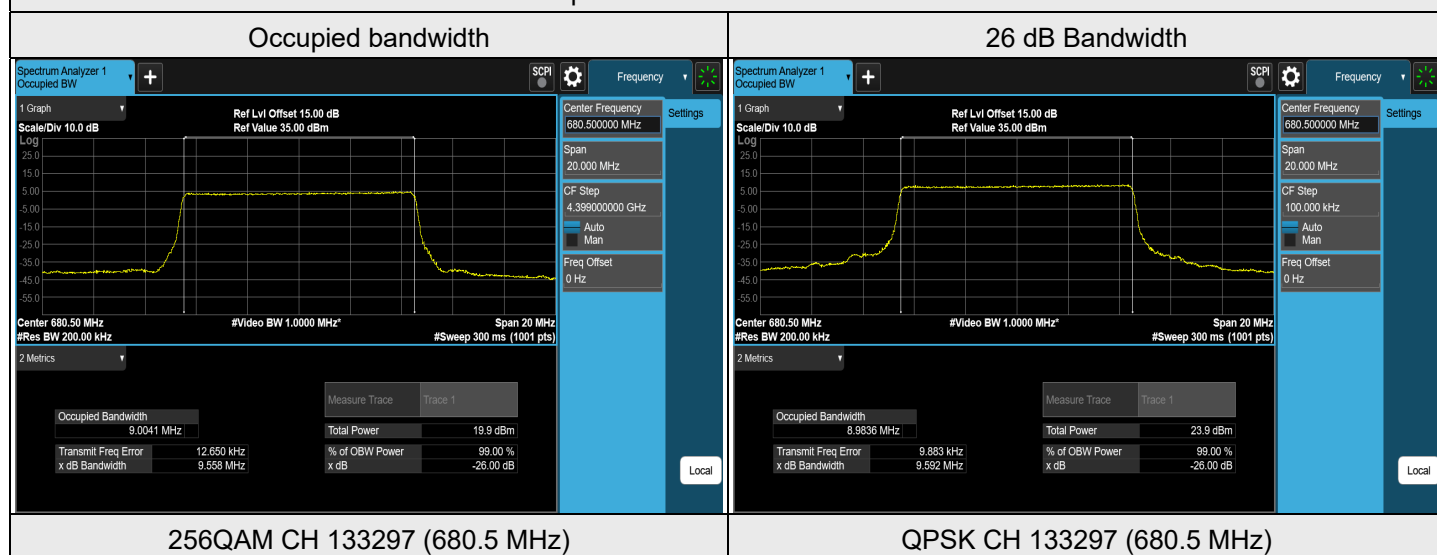
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133147	665.5	4.5003	4.888
QPSK	133297	680.5	4.4961	4.888
QPSK	133447	695.5	4.4924	4.857
16QAM	133147	665.5	4.5011	4.891
16QAM	133297	680.5	4.4949	4.926
16QAM	133447	695.5	4.4923	4.852
64QAM	133147	665.5	4.5008	4.872
64QAM	133297	680.5	4.4956	4.879
64QAM	133447	695.5	4.4900	4.851
256QAM	133147	665.5	4.5024	4.906
256QAM	133297	680.5	4.4976	4.865
256QAM	133447	695.5	4.4926	4.857



LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133172	668	8.9552	9.509
QPSK	133297	680.5	8.9836	9.592
QPSK	133422	693	8.9645	9.561
16QAM	133172	668	8.9485	9.509
16QAM	133297	680.5	8.9875	9.572
16QAM	133422	693	8.9688	9.534
64QAM	133172	668	8.9581	9.505
64QAM	133297	680.5	8.9874	9.589
64QAM	133422	693	8.9655	9.513
256QAM	133172	668	8.9661	9.523
256QAM	133297	680.5	9.0041	9.558
256QAM	133422	693	8.9764	9.536

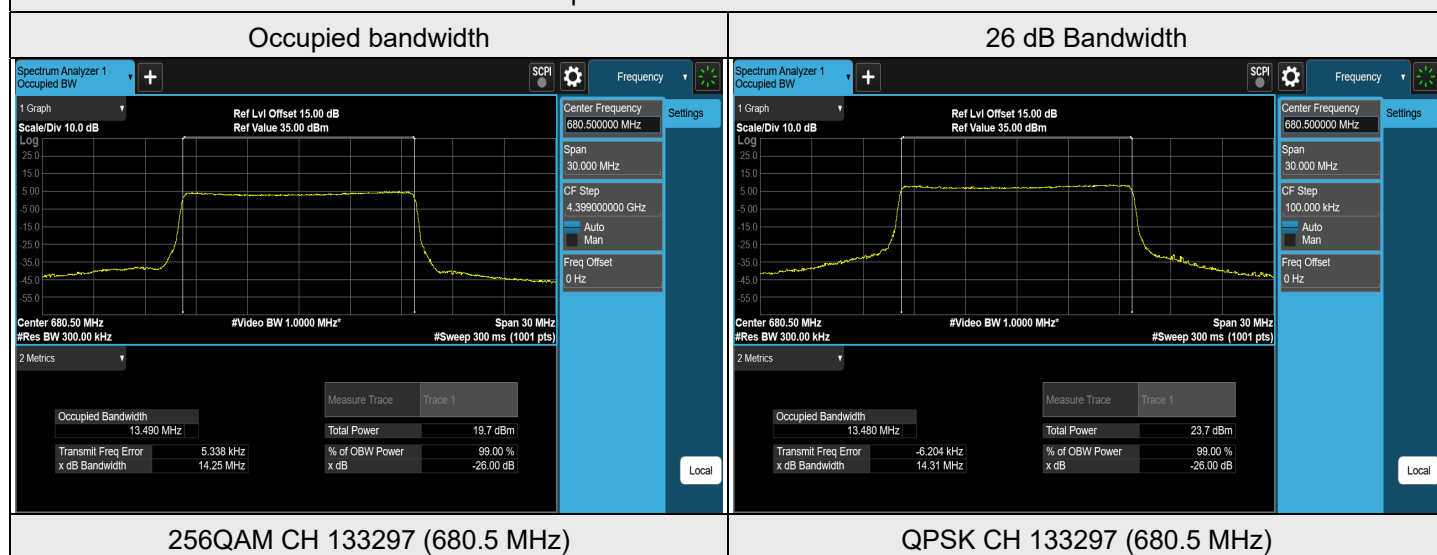
Spectrum Plot of Worst Value



LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133197	670.5	13.3803	14.196
QPSK	133297	680.5	13.4795	14.309
QPSK	133397	690.5	13.4299	14.232
16QAM	133197	670.5	13.3833	14.180
16QAM	133297	680.5	13.4858	14.280
16QAM	133397	690.5	13.4194	14.224
64QAM	133197	670.5	13.3748	14.189
64QAM	133297	680.5	13.4832	14.260
64QAM	133397	690.5	13.4141	14.233
256QAM	133197	670.5	13.3744	14.192
256QAM	133297	680.5	13.4902	14.253
256QAM	133397	690.5	13.4169	14.213

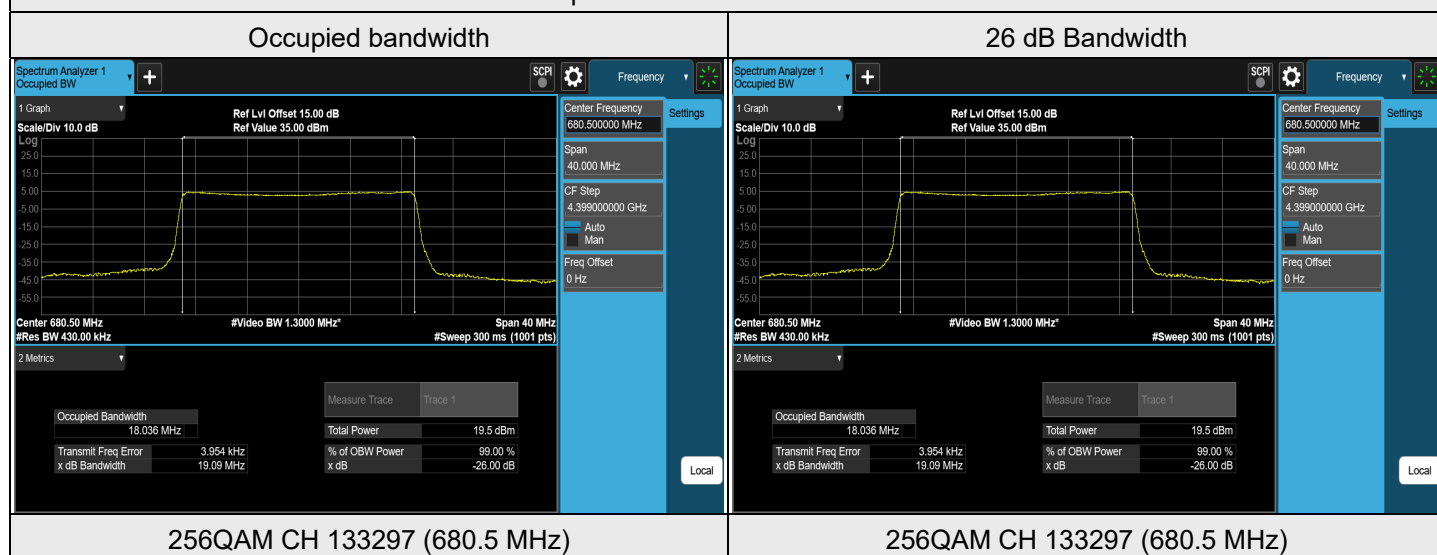
Spectrum Plot of Worst Value



LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	133222	673	17.8681	18.989
QPSK	133297	680.5	18.0293	19.055
QPSK	133372	688	17.8749	18.985
16QAM	133222	673	17.8691	18.997
16QAM	133297	680.5	18.0225	19.075
16QAM	133372	688	17.8756	18.991
64QAM	133222	673	17.8664	18.976
64QAM	133297	680.5	18.0264	19.071
64QAM	133372	688	17.8747	18.981
256QAM	133222	673	17.8634	18.967
256QAM	133297	680.5	18.0355	19.086
256QAM	133372	688	17.9035	19.005

Spectrum Plot of Worst Value



7.5 Conducted Spurious Emissions

Input Power:	3.8 Vdc	Environmental Conditions:	25°C, 67% RH	Tested By:	Noah Chang
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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.