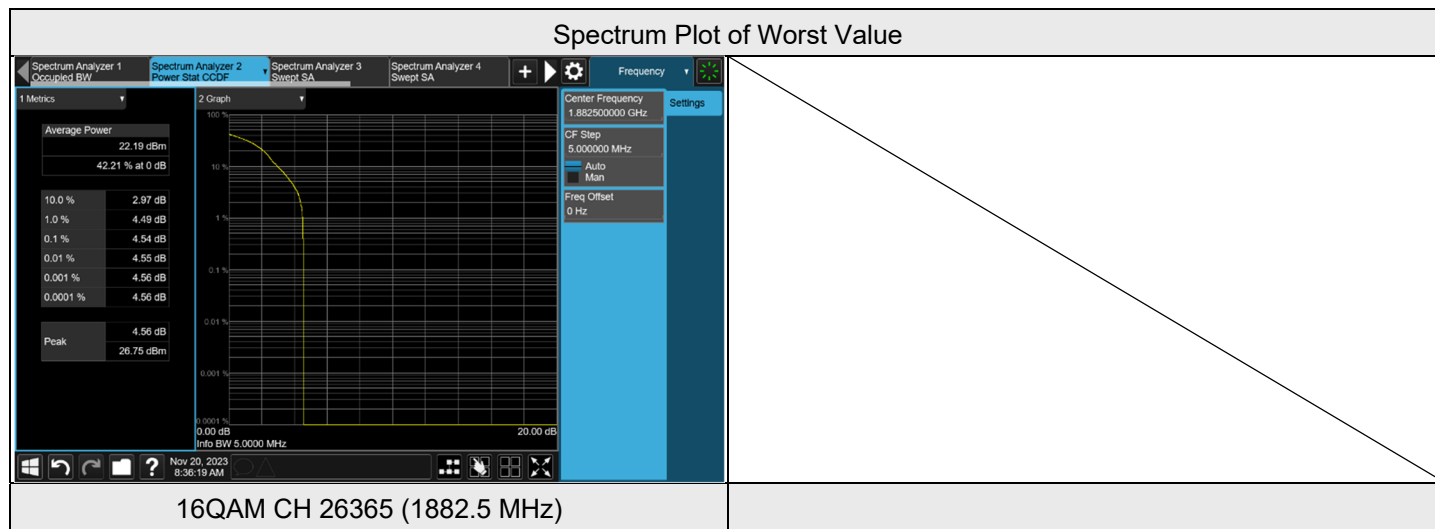


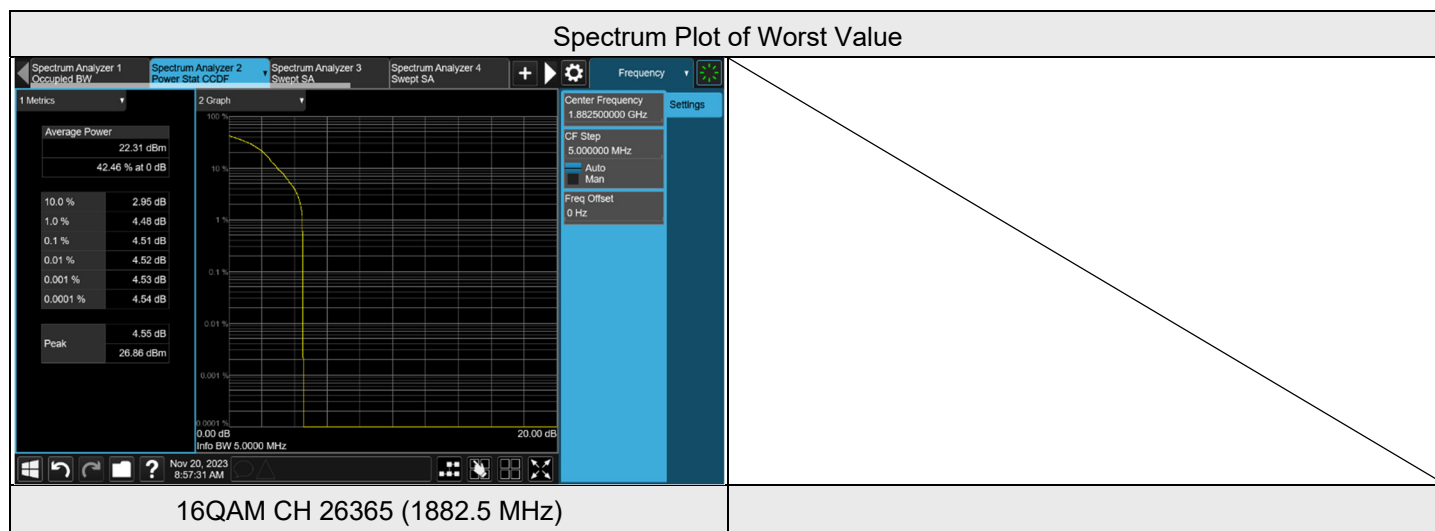
Cat-M1 Band 25, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26090	1855	4.04	13	Pass
QPSK	26365	1882.5	4.15	13	Pass
QPSK	26640	1910	3.60	13	Pass
16QAM	26090	1855	4.44	13	Pass
16QAM	26365	1882.5	4.54	13	Pass
16QAM	26640	1910	4.05	13	Pass



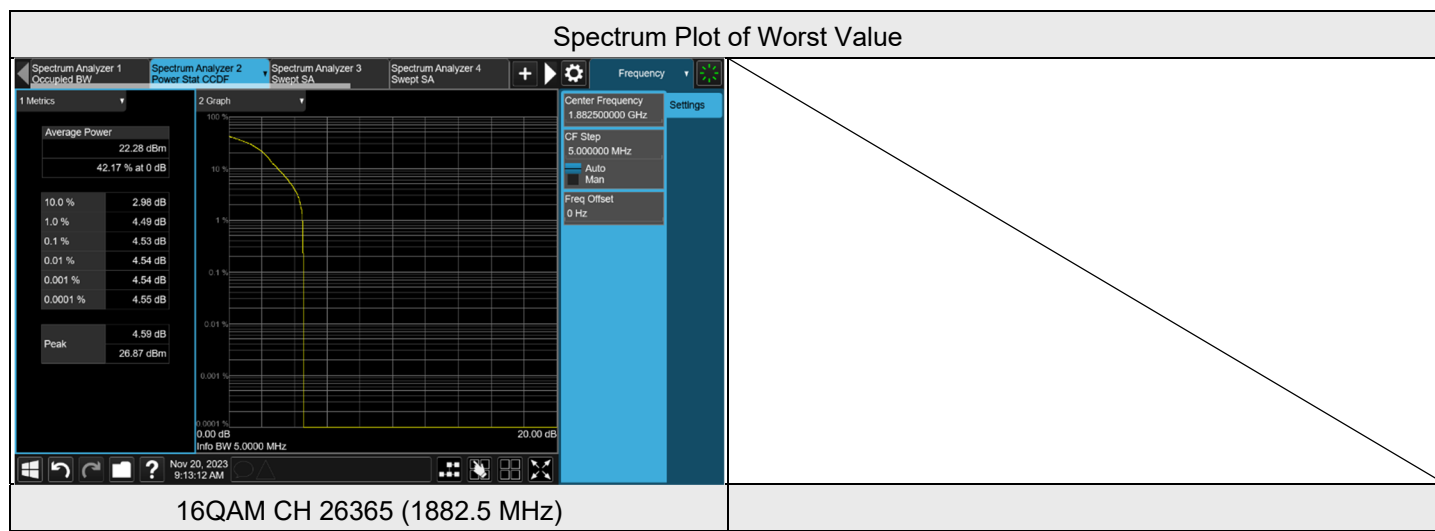
Cat-M1 Band 25, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26115	1857.5	4.07	13	Pass
QPSK	26365	1882.5	4.18	13	Pass
QPSK	26615	1907.5	3.88	13	Pass
16QAM	26115	1857.5	4.46	13	Pass
16QAM	26365	1882.5	4.51	13	Pass
16QAM	26615	1907.5	4.08	13	Pass



Cat-M1 Band 25, Channel Bandwidth: 20 MHz

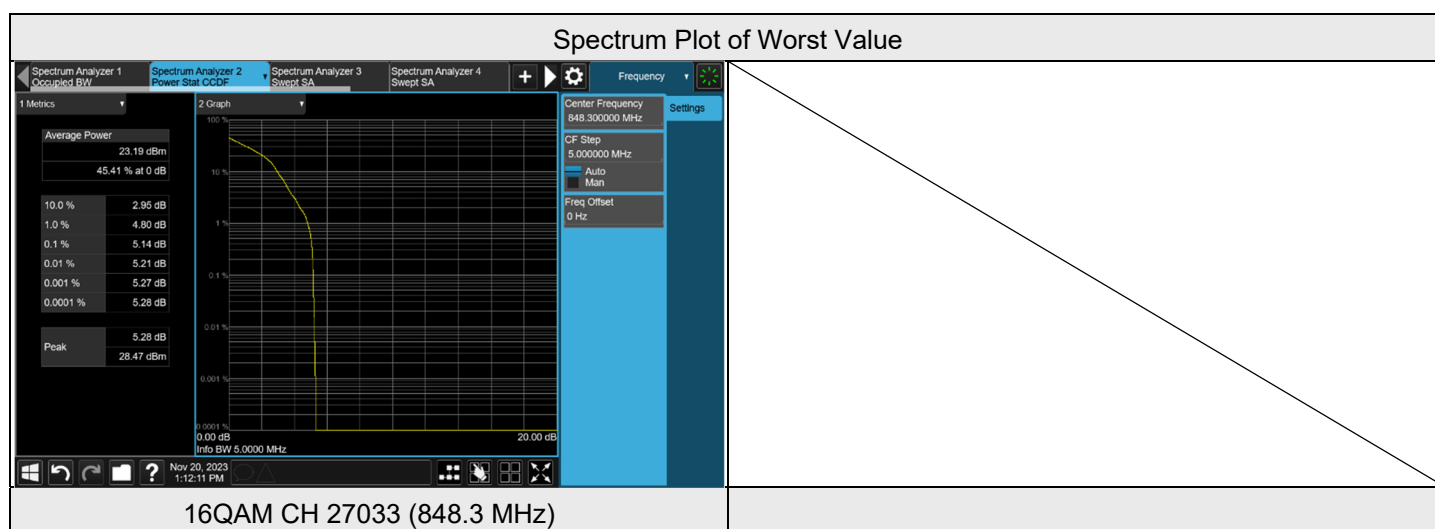
Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26140	1860	4.13	13	Pass
QPSK	26365	1882.5	4.25	13	Pass
QPSK	26590	1905	3.97	13	Pass
16QAM	26140	1860	4.48	13	Pass
16QAM	26365	1882.5	4.53	13	Pass
16QAM	26590	1905	4.23	13	Pass



7.3.7 Cat-M1 Band 26 (Part 22)

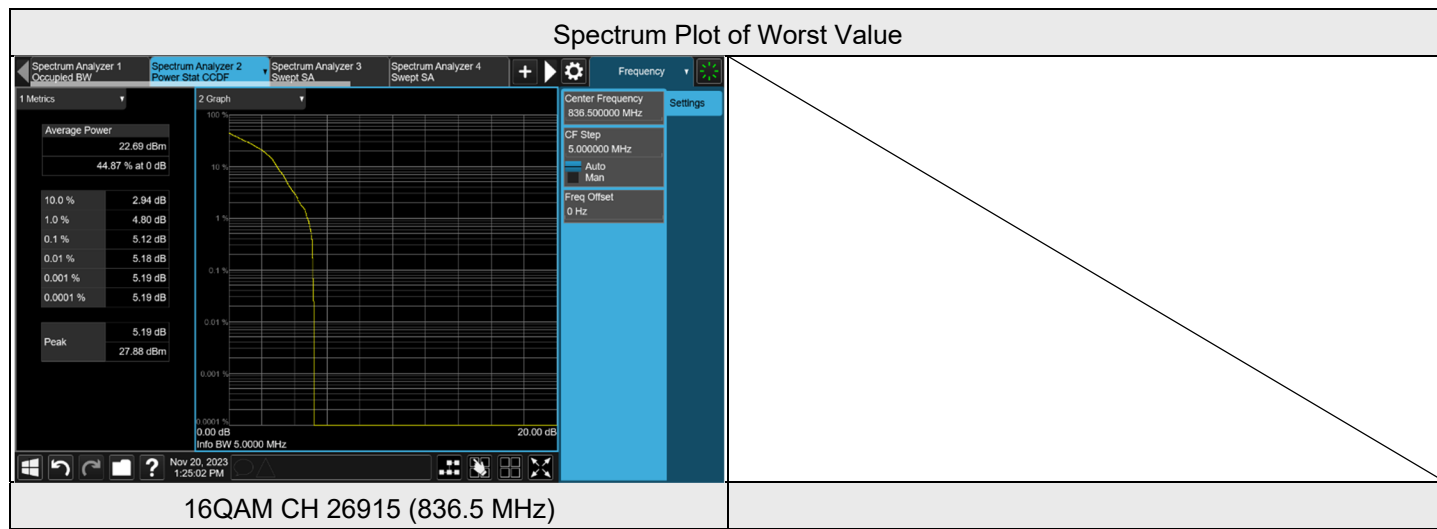
Cat-M1 Band 26, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26797	824.7	4.02	13	Pass
QPSK	26915	836.5	4.10	13	Pass
QPSK	27033	848.3	3.96	13	Pass
16QAM	26797	824.7	5.07	13	Pass
16QAM	26915	836.5	5.13	13	Pass
16QAM	27033	848.3	5.14	13	Pass



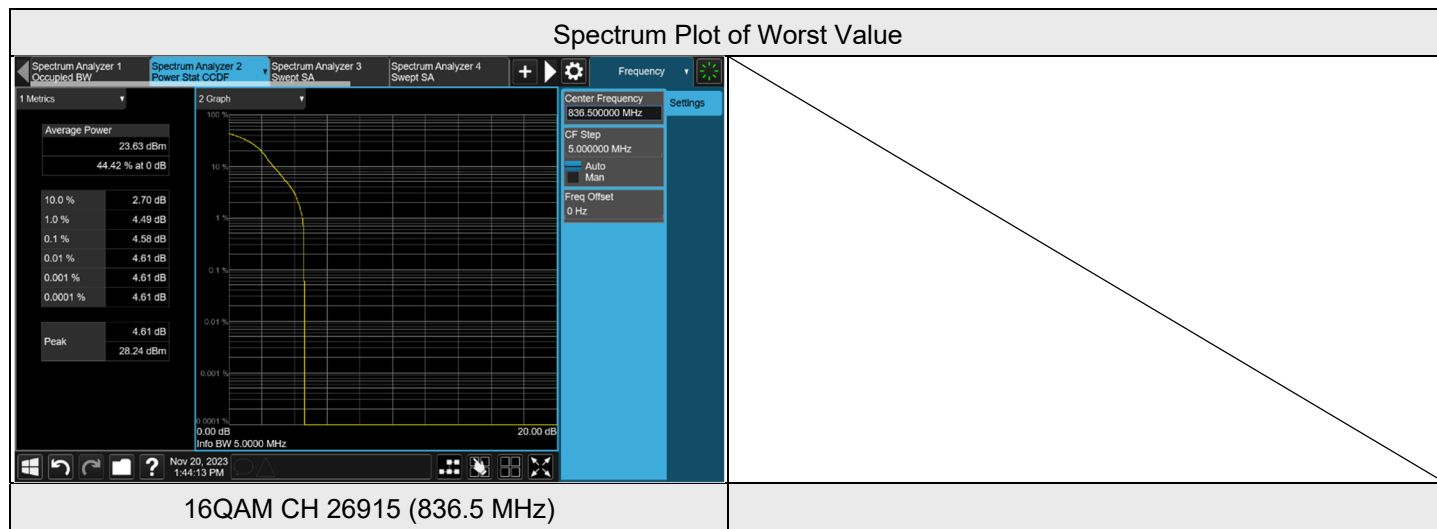
Cat-M1 Band 26, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26805	825.5	3.99	13	Pass
QPSK	26915	836.5	4.05	13	Pass
QPSK	27025	847.5	3.92	13	Pass
16QAM	26805	825.5	5.06	13	Pass
16QAM	26915	836.5	5.12	13	Pass
16QAM	27025	847.5	5.02	13	Pass



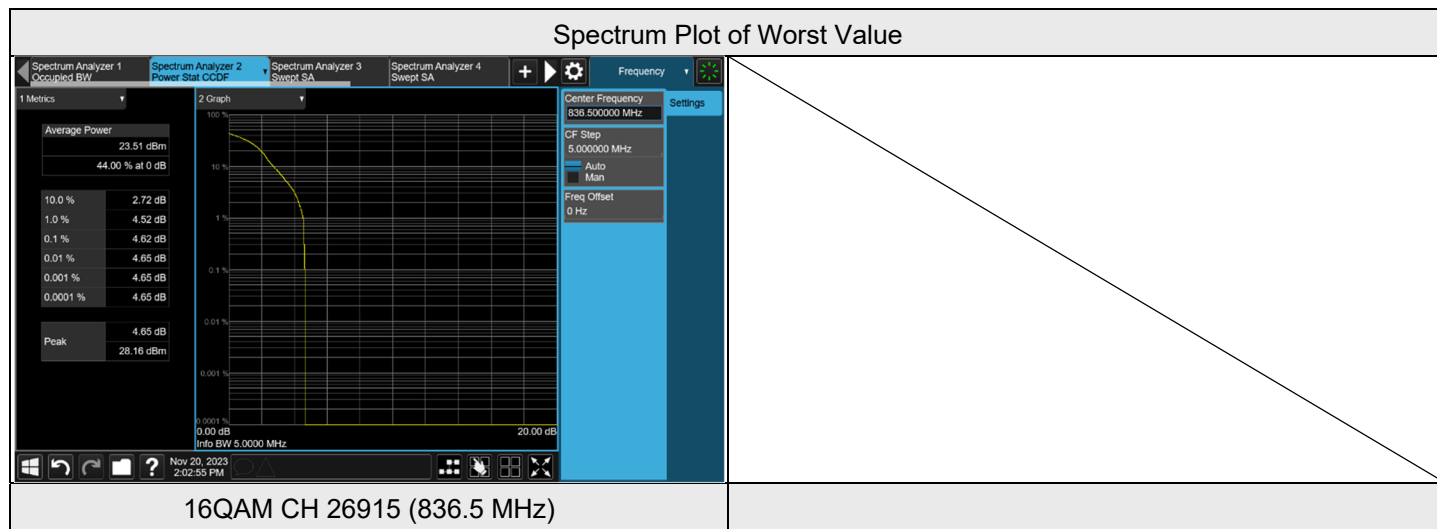
Cat-M1 Band 26, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26815	826.5	4.06	13	Pass
QPSK	26915	836.5	4.11	13	Pass
QPSK	27015	846.5	3.96	13	Pass
16QAM	26815	826.5	4.58	13	Pass
16QAM	26915	836.5	4.58	13	Pass
16QAM	27015	846.5	4.54	13	Pass



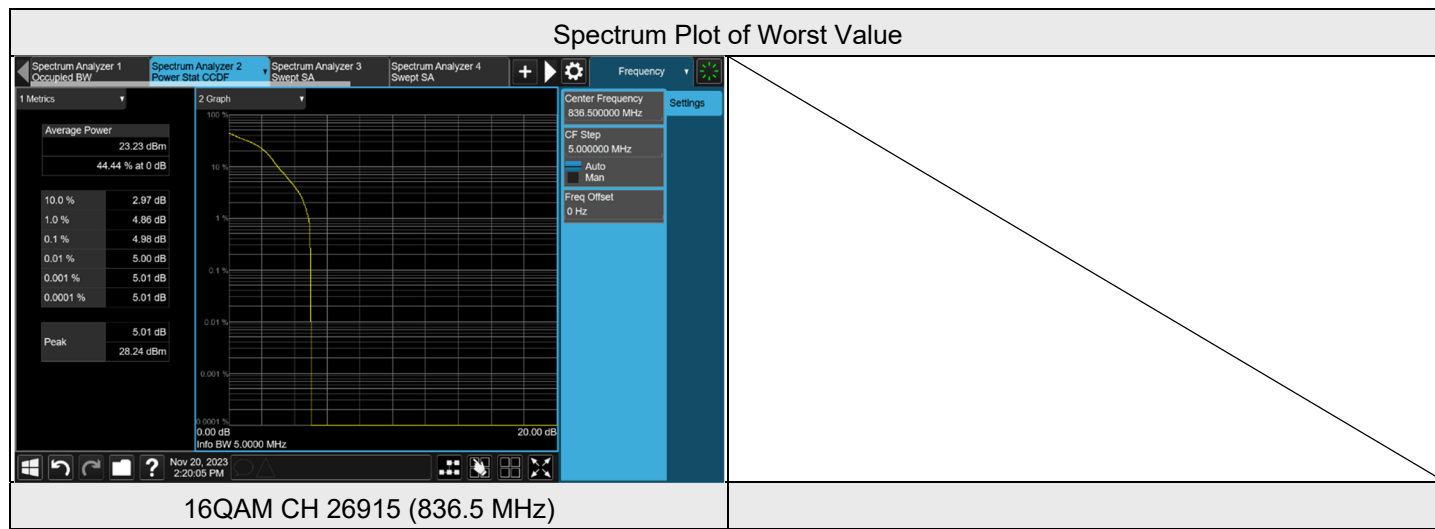
Cat-M1 Band 26, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26840	829	4.08	13	Pass
QPSK	26915	836.5	4.11	13	Pass
QPSK	26990	844	4.00	13	Pass
16QAM	26840	829	4.60	13	Pass
16QAM	26915	836.5	4.62	13	Pass
16QAM	26990	844	4.53	13	Pass



Cat-M1 Band 26, Channel Bandwidth: 15 MHz

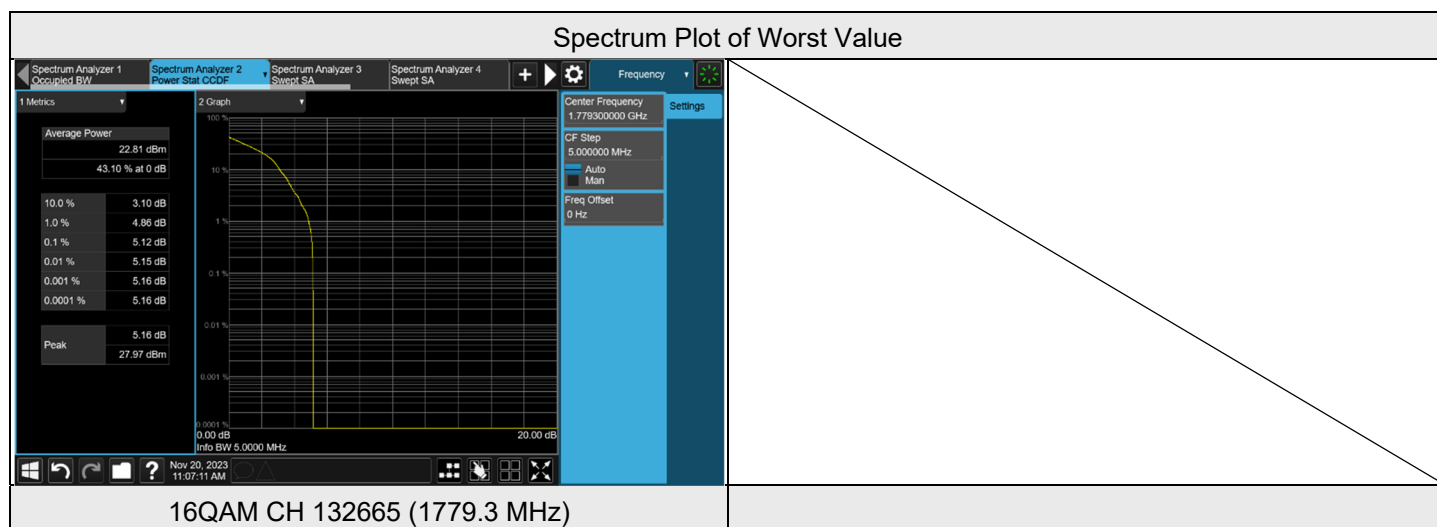
Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	26865	831.5	4.14	13	Pass
QPSK	26915	836.5	4.15	13	Pass
QPSK	26965	841.5	4.07	13	Pass
16QAM	26865	831.5	4.60	13	Pass
16QAM	26915	836.5	4.98	13	Pass
16QAM	26965	841.5	4.59	13	Pass



7.3.8 Cat-M1 Band 66

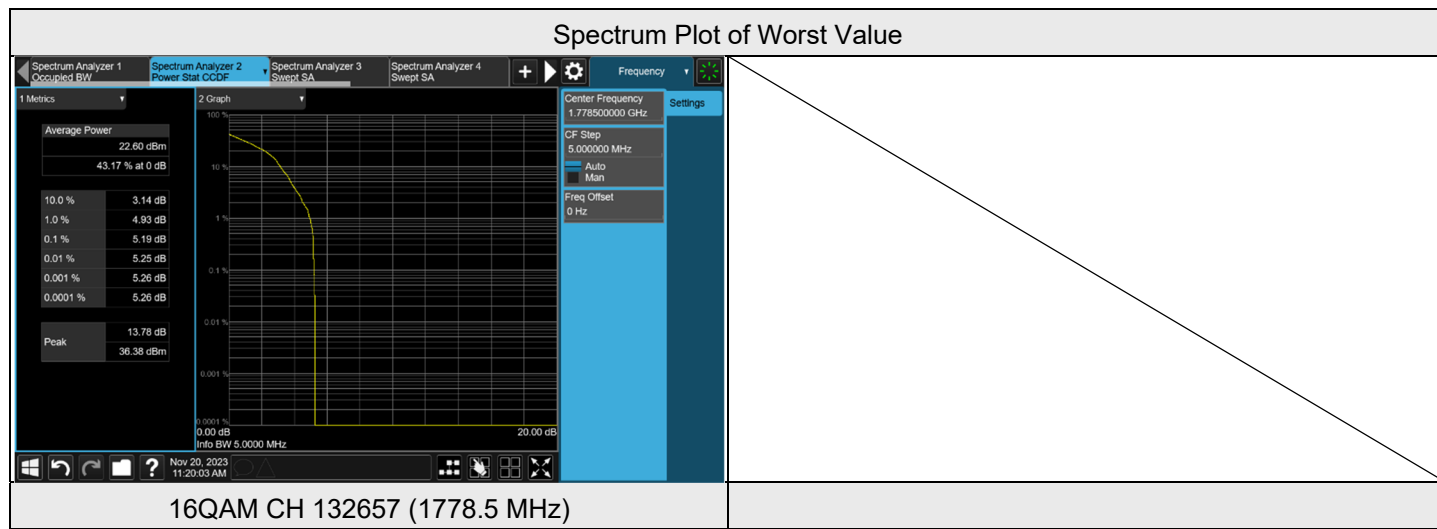
Cat-M1 Band 66, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	131979	1710.7	4.12	13	Pass
QPSK	132322	1745	4.13	13	Pass
QPSK	132665	1779.3	4.06	13	Pass
16QAM	131979	1710.7	5.06	13	Pass
16QAM	132322	1745	5.08	13	Pass
16QAM	132665	1779.3	5.12	13	Pass



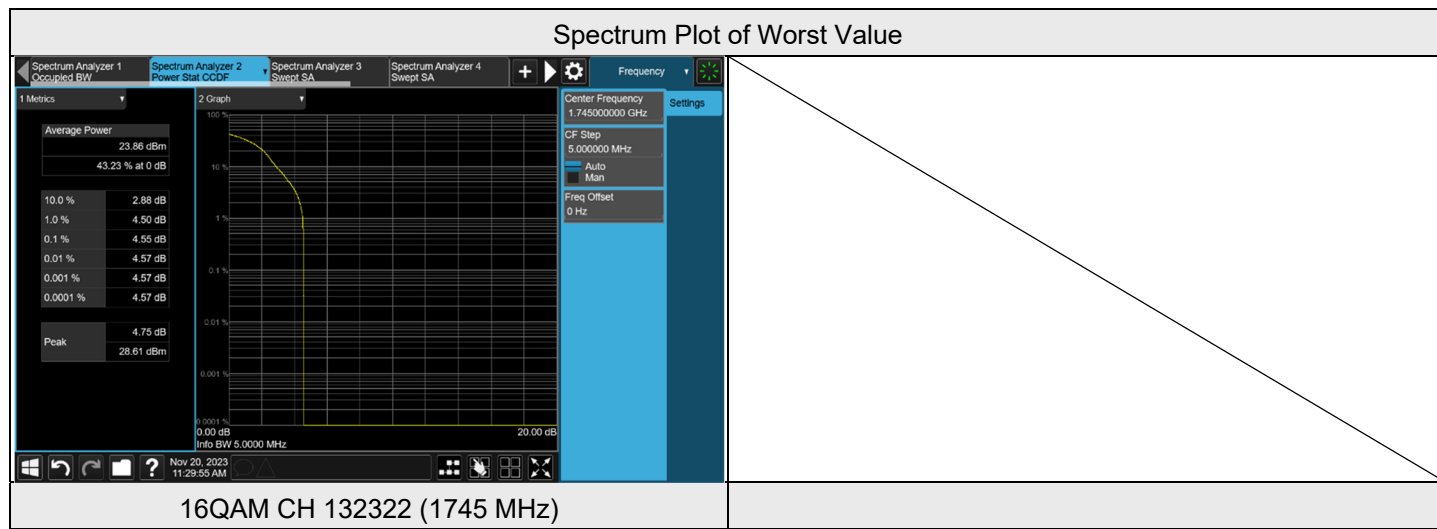
Cat-M1 Band 66, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	131987	1711.5	4.18	13	Pass
QPSK	132322	1745	4.10	13	Pass
QPSK	132657	1778.5	4.10	13	Pass
16QAM	131987	1711.5	5.06	13	Pass
16QAM	132322	1745	5.11	13	Pass
16QAM	132657	1778.5	5.19	13	Pass



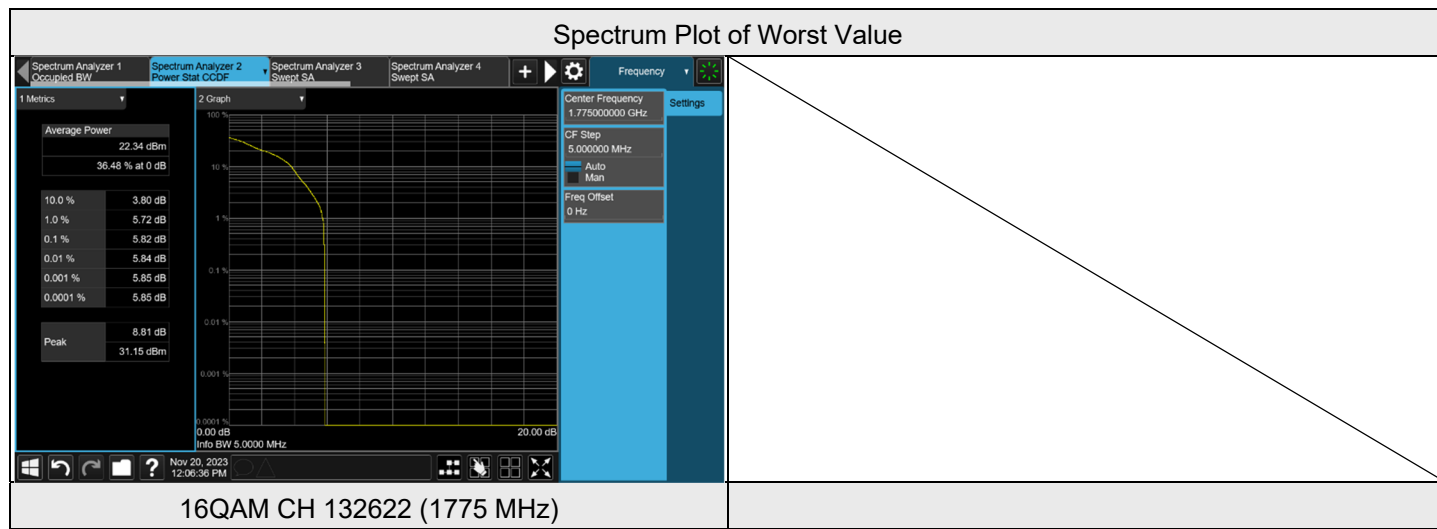
Cat-M1 Band 66, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	131997	1712.5	4.14	13	Pass
QPSK	132322	1745	4.18	13	Pass
QPSK	132647	1777.5	4.08	13	Pass
16QAM	131997	1712.5	4.49	13	Pass
16QAM	132322	1745	4.55	13	Pass
16QAM	132647	1777.5	4.19	13	Pass



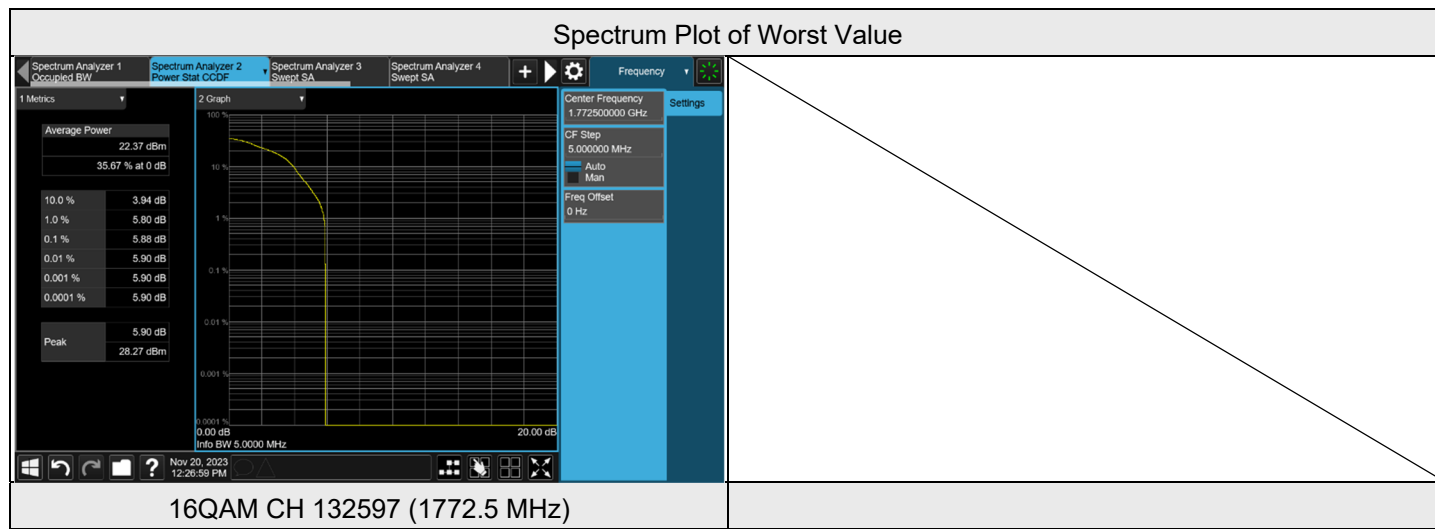
Cat-M1 Band 66, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	132022	1715	4.16	13	Pass
QPSK	132322	1745	4.18	13	Pass
QPSK	132622	1775	4.10	13	Pass
16QAM	132022	1715	4.50	13	Pass
16QAM	132322	1745	4.59	13	Pass
16QAM	132622	1775	5.82	13	Pass



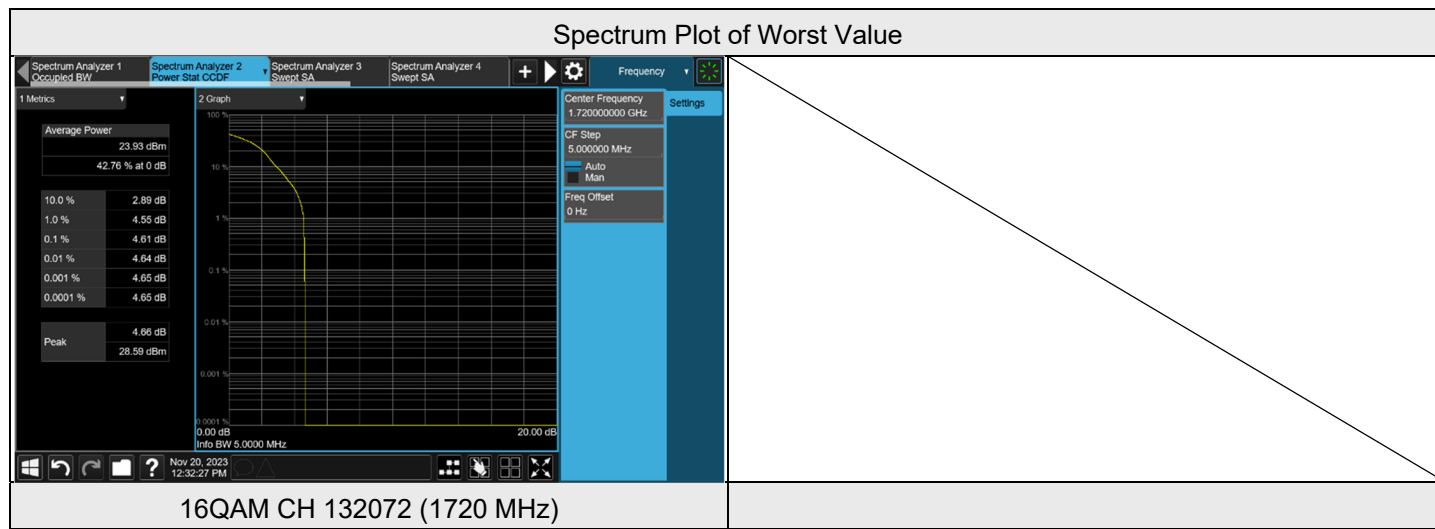
Cat-M1 Band 66, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	132047	1717.5	4.21	13	Pass
QPSK	132322	1745	4.16	13	Pass
QPSK	132597	1772.5	4.11	13	Pass
16QAM	132047	1717.5	4.56	13	Pass
16QAM	132322	1745	4.61	13	Pass
16QAM	132597	1772.5	5.88	13	Pass



Cat-M1 Band 66, Channel Bandwidth: 20 MHz

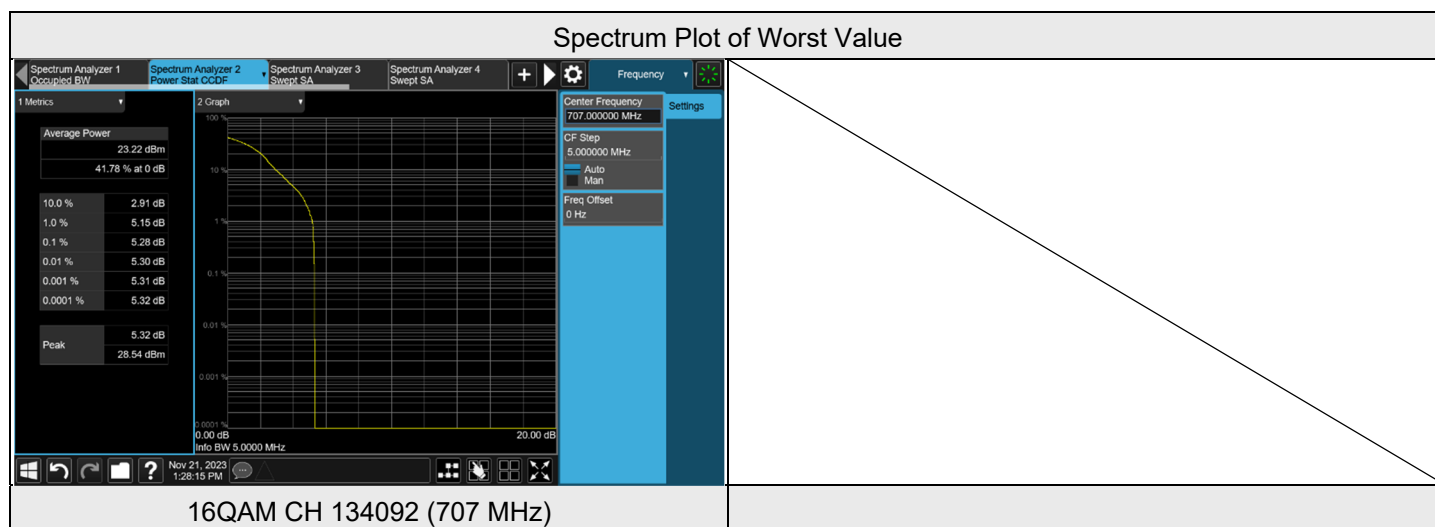
Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	132072	1720	4.29	13	Pass
QPSK	132322	1745	4.16	13	Pass
QPSK	132572	1770	4.10	13	Pass
16QAM	132072	1720	4.61	13	Pass
16QAM	132322	1745	4.58	13	Pass
16QAM	132572	1770	4.55	13	Pass



7.3.9 Cat-M1 Band 85

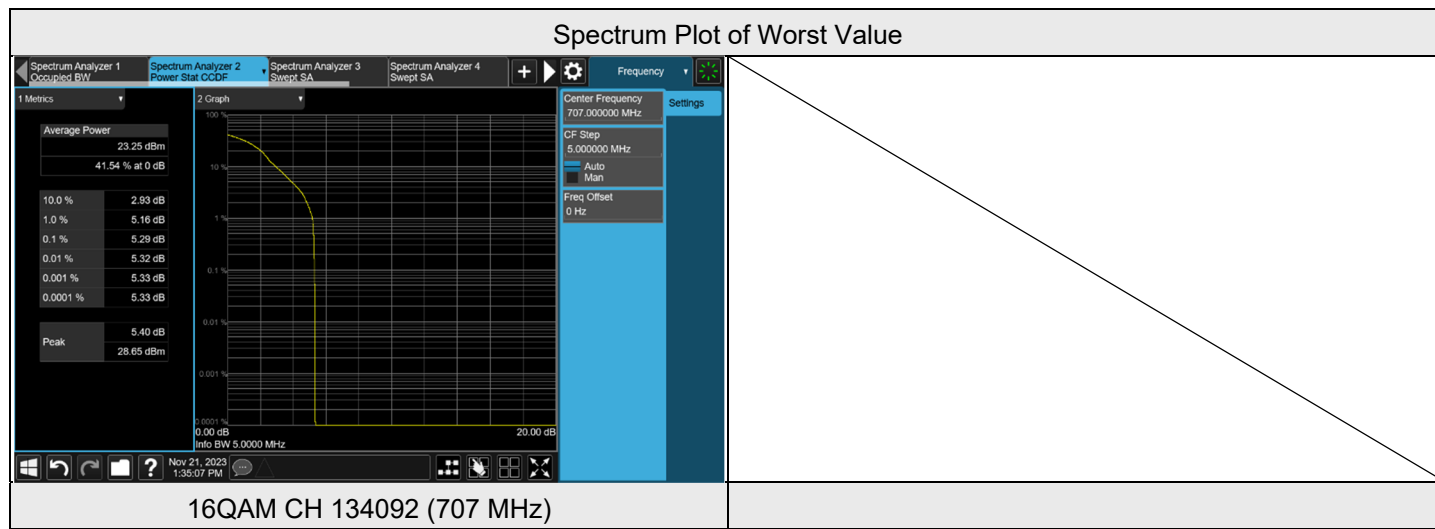
Cat-M1 Band 85, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	134027	700.5	4.60	13	Pass
QPSK	134092	707	4.61	13	Pass
QPSK	134157	713.5	4.63	13	Pass
16QAM	134027	700.5	5.20	13	Pass
16QAM	134092	707	5.28	13	Pass
16QAM	134157	713.5	5.21	13	Pass



Cat-M1 Band 85, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value (dB)	Limit (dB)	Result
QPSK	134052	703	4.63	13	Pass
QPSK	134092	707	4.63	13	Pass
QPSK	134132	711	4.60	13	Pass
16QAM	134052	703	5.25	13	Pass
16QAM	134092	707	5.29	13	Pass
16QAM	134132	711	5.26	13	Pass



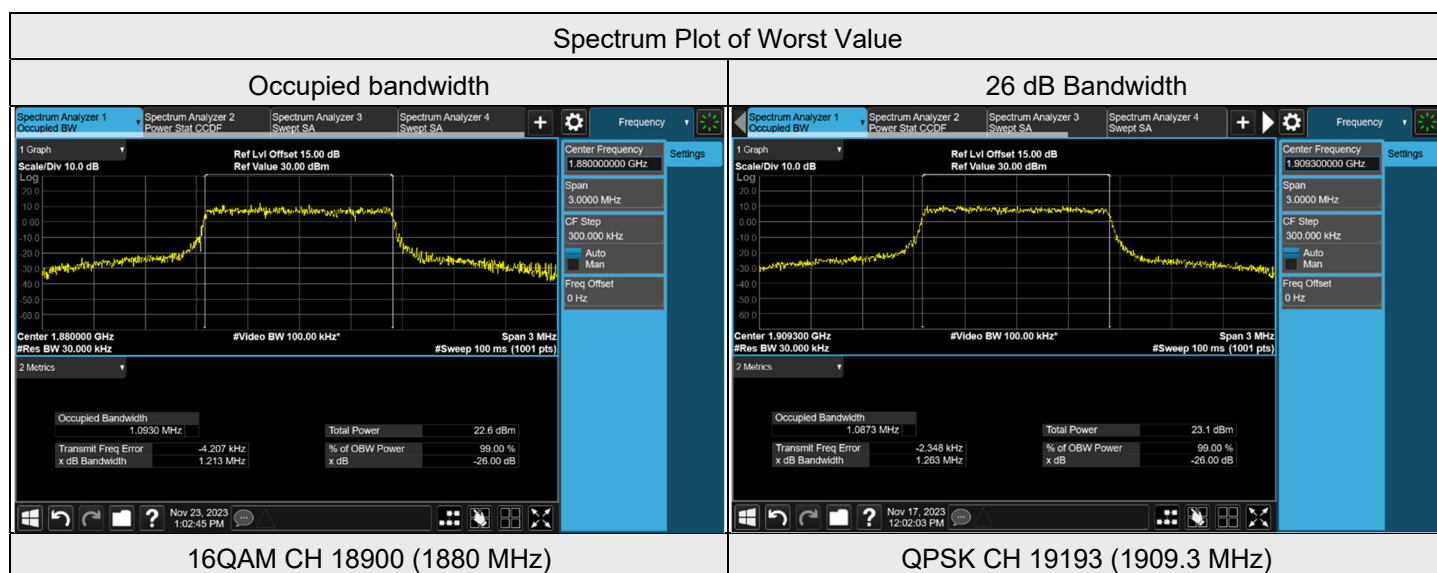
7.4 Bandwidth

Input Power:	7.2 Vdc	Environmental Conditions:	22°C, 75% RH	Tested By:	Willy Cheng
--------------	---------	---------------------------	--------------	------------	-------------

7.4.1 Cat-M1 Band 2

Cat-M1 Band 2, Channel Bandwidth: 1.4 MHz

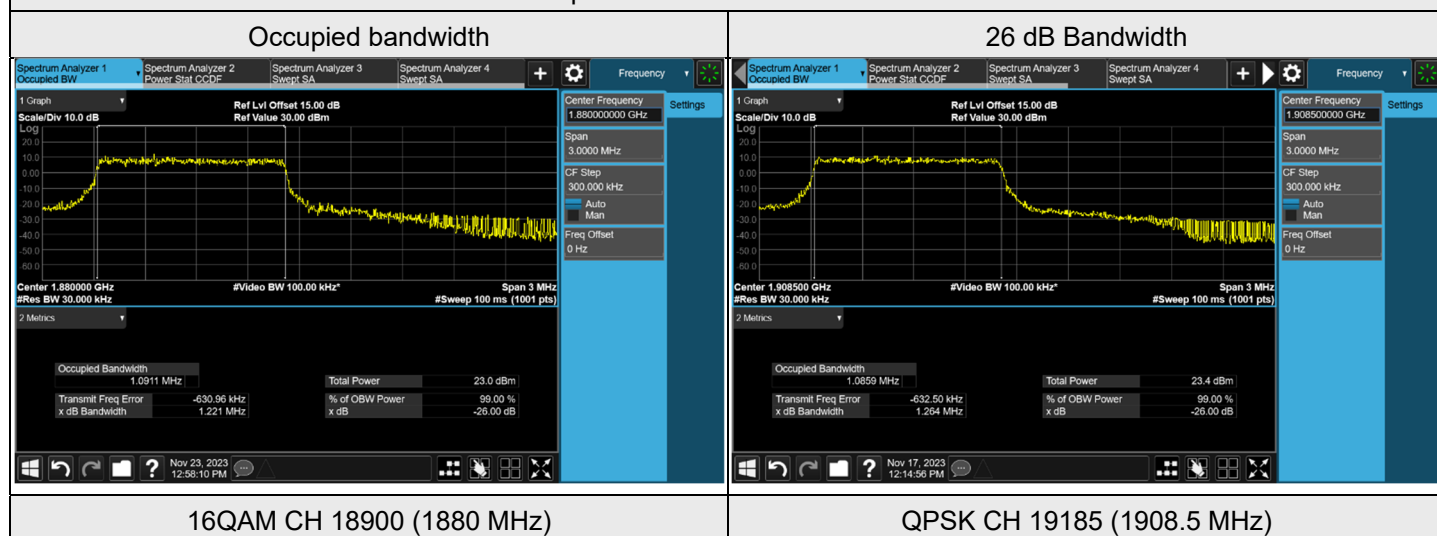
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18607	1850.7	1.0857	1.244
QPSK	18900	1880	1.0874	1.248
QPSK	19193	1909.3	1.0873	1.263
16QAM	18607	1850.7	1.0886	1.232
16QAM	18900	1880	1.0930	1.213
16QAM	19193	1909.3	1.0906	1.244



Cat-M1 Band 2, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18615	1851.5	1.0866	1.229
QPSK	18900	1880	1.0842	1.244
QPSK	19185	1908.5	1.0859	1.264
16QAM	18615	1851.5	1.0875	1.253
16QAM	18900	1880	1.0911	1.221
16QAM	19185	1908.5	1.0905	1.233

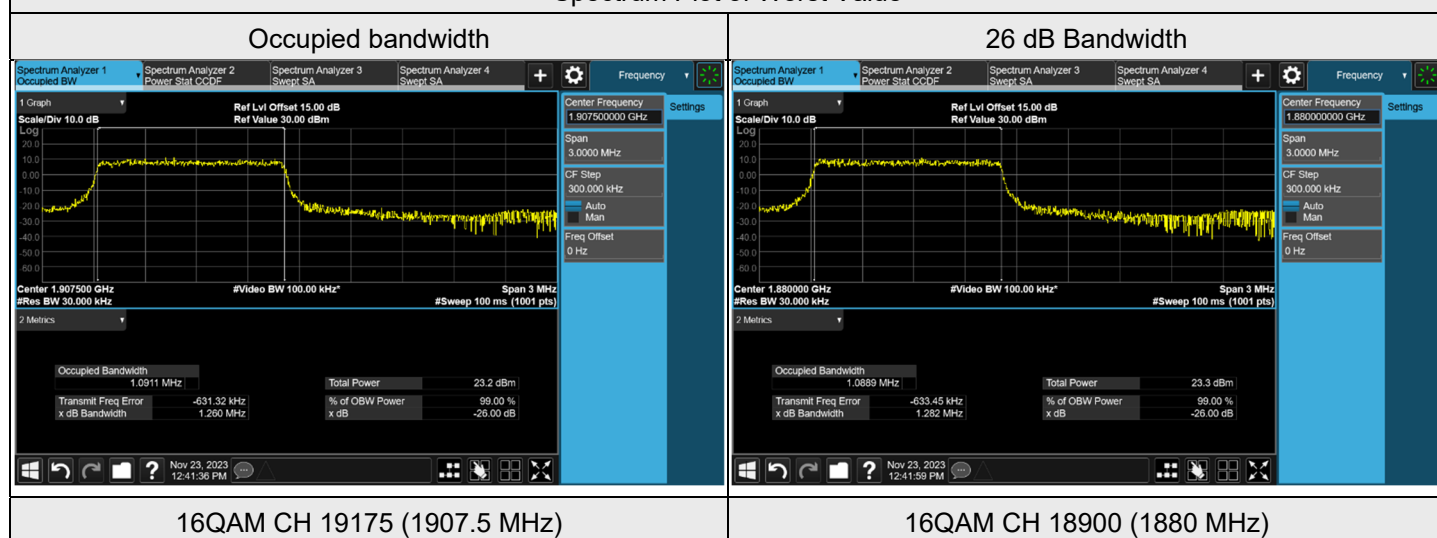
Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18625	1852.5	1.0892	1.270
QPSK	18900	1880	1.0866	1.241
QPSK	19175	1907.5	1.0879	1.230
16QAM	18625	1852.5	1.0903	1.242
16QAM	18900	1880	1.0889	1.282
16QAM	19175	1907.5	1.0911	1.260

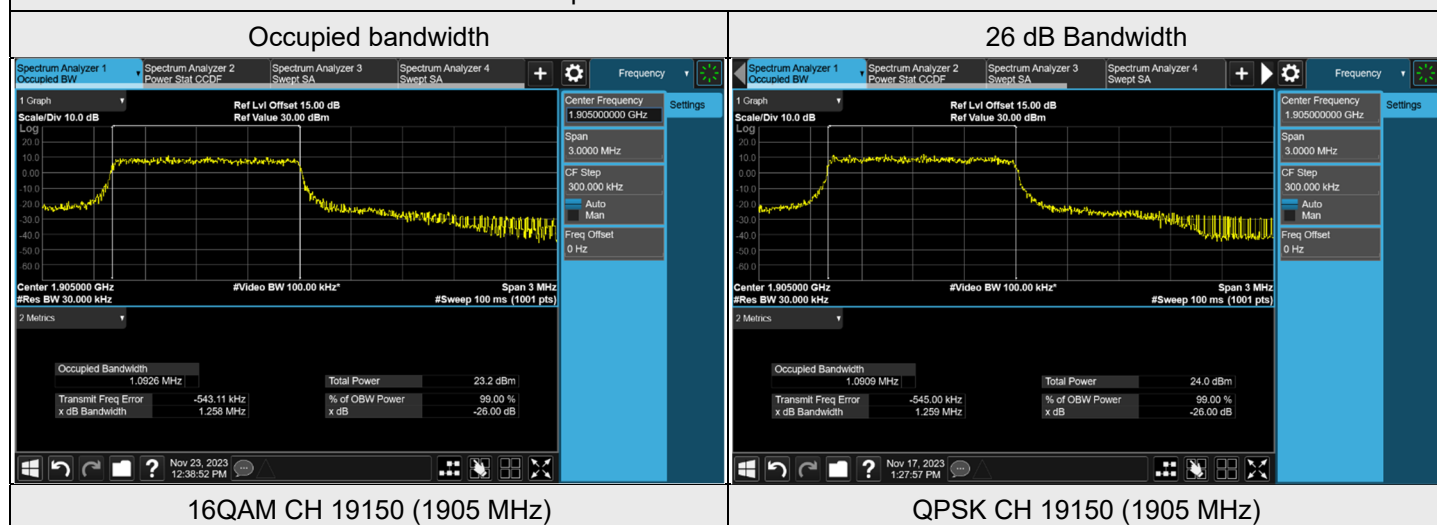
Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18650	1855	1.0891	1.243
QPSK	18900	1880	1.0880	1.235
QPSK	19150	1905	1.0909	1.259
16QAM	18650	1855	1.0888	1.235
16QAM	18900	1880	1.0882	1.242
16QAM	19150	1905	1.0926	1.258

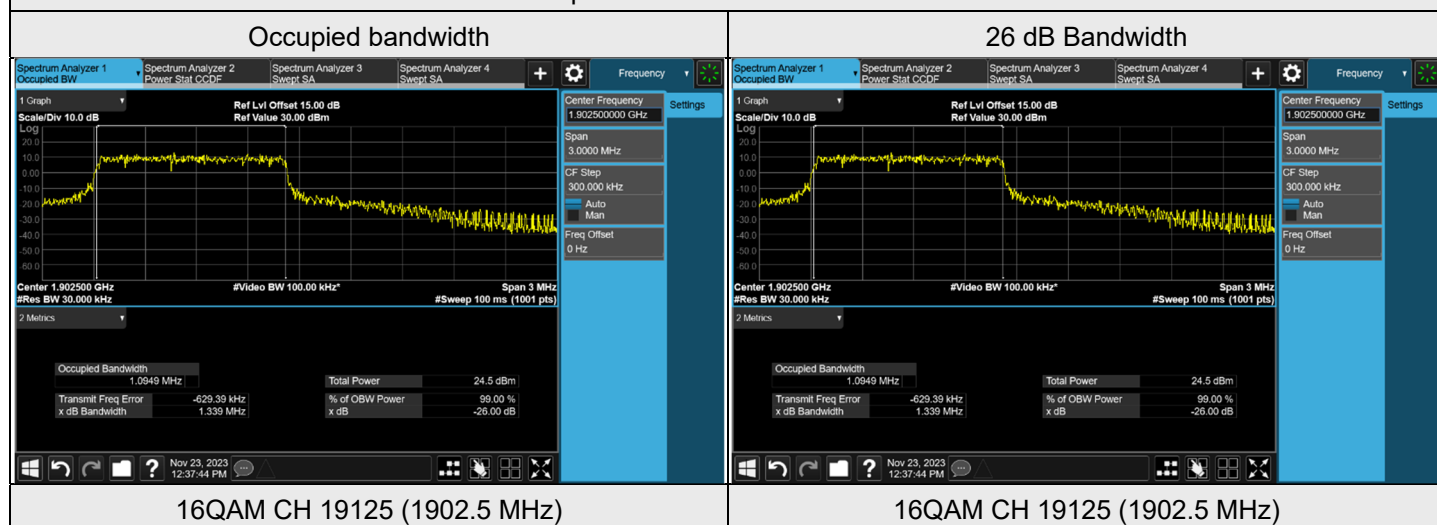
Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18675	1857.5	1.0869	1.224
QPSK	18900	1880	1.0858	1.260
QPSK	19125	1902.5	1.0865	1.260
16QAM	18675	1857.5	1.0908	1.297
16QAM	18900	1880	1.0881	1.251
16QAM	19125	1902.5	1.0949	1.339

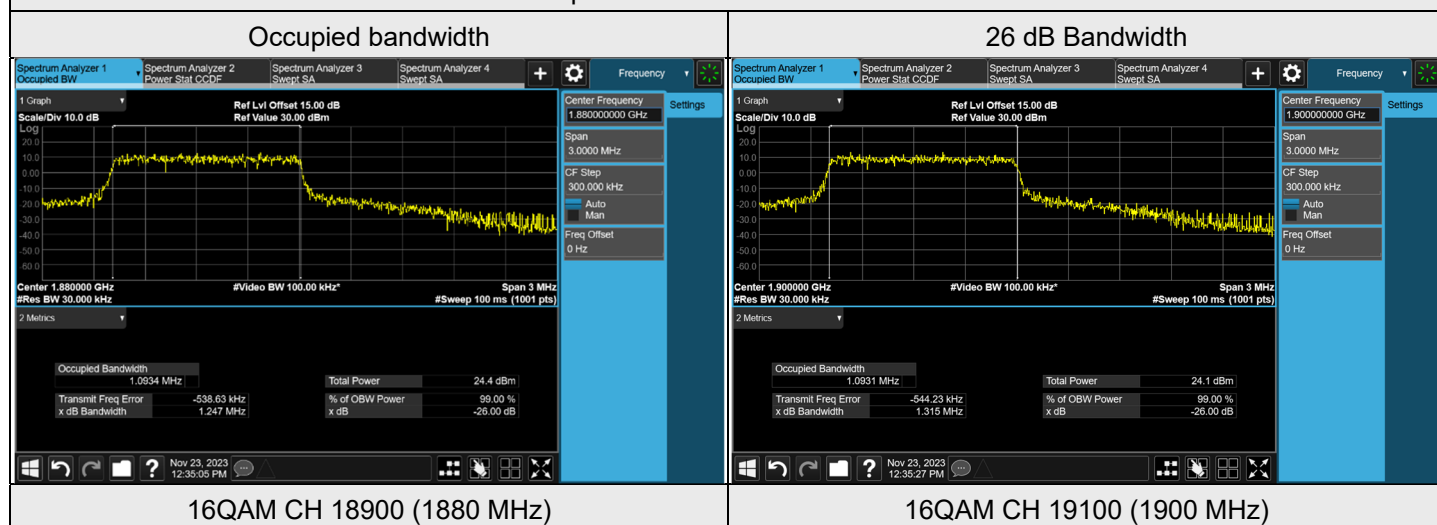
Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18700	1860	1.0875	1.227
QPSK	18900	1880	1.0833	1.240
QPSK	19100	1900	1.0860	1.266
16QAM	18700	1860	1.0907	1.260
16QAM	18900	1880	1.0934	1.247
16QAM	19100	1900	1.0931	1.315

Spectrum Plot of Worst Value



7.4.2 Cat-M1 Band 4

Cat-M1 Band 4, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19957	1710.7	1.0853	1.249
QPSK	20175	1732.5	1.0854	1.244
QPSK	20393	1754.3	1.0851	1.246
16QAM	19957	1710.7	1.0900	1.256
16QAM	20175	1732.5	1.0869	1.232
16QAM	20393	1754.3	1.0873	1.230

