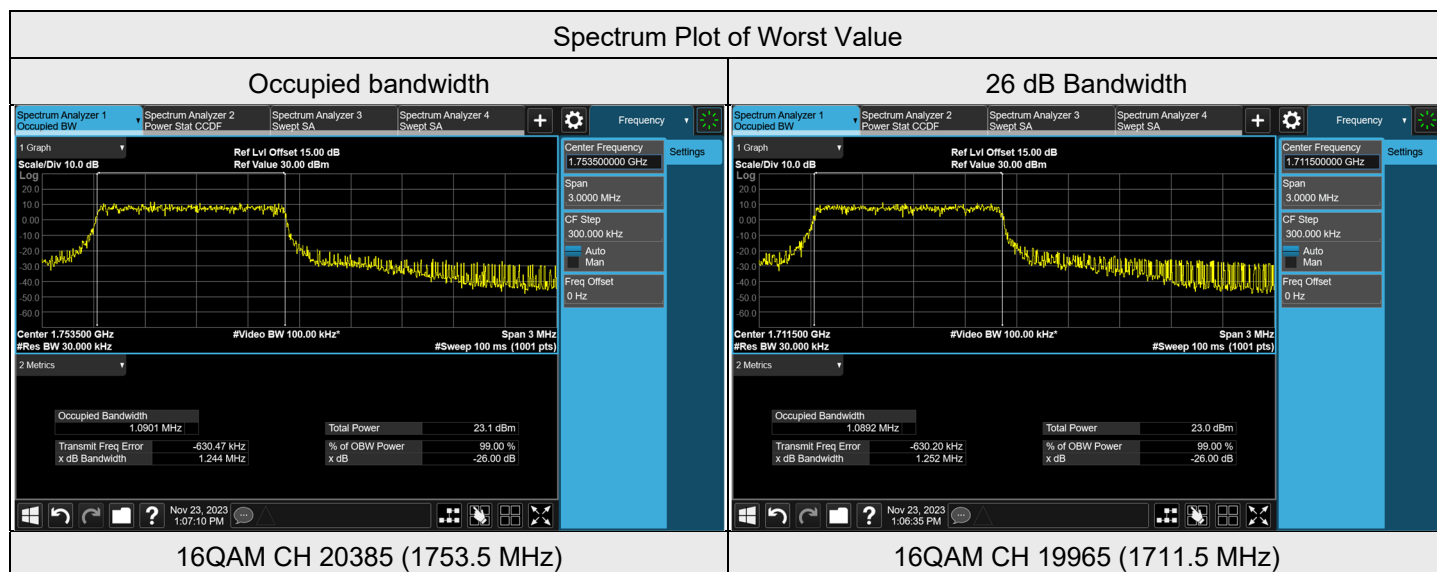


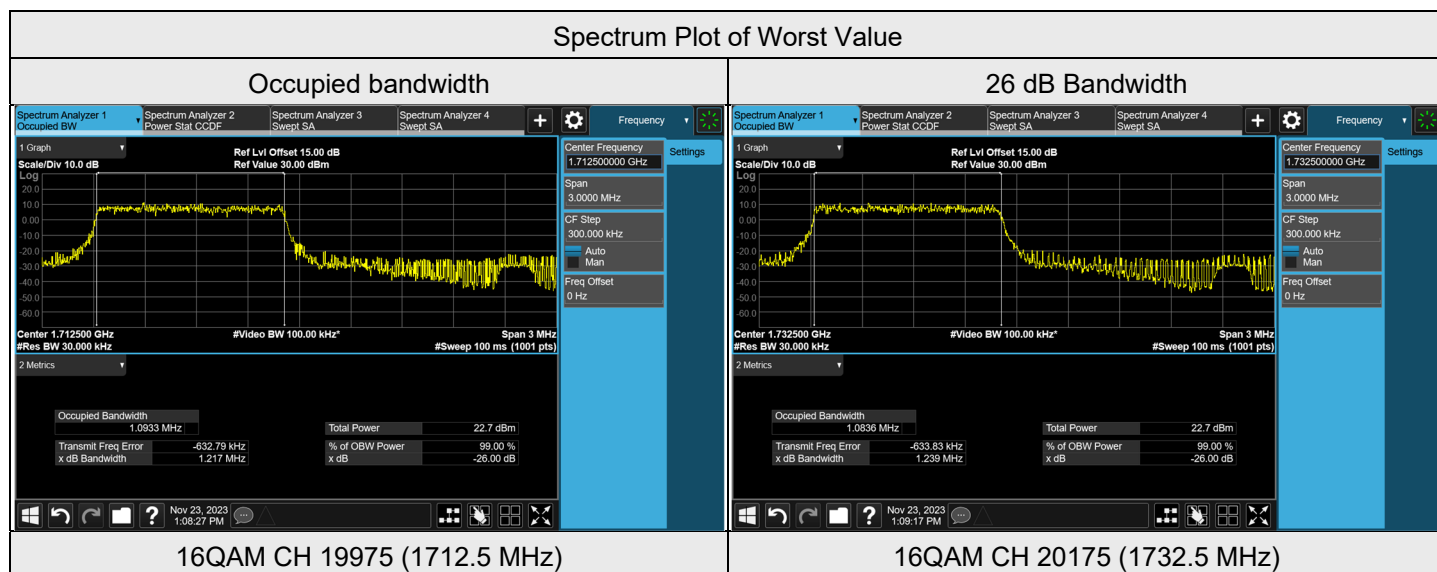
Cat-M1 Band 4, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19965	1711.5	1.0860	1.246
QPSK	20175	1732.5	1.0839	1.230
QPSK	20385	1753.5	1.0860	1.233
16QAM	19965	1711.5	1.0892	1.252
16QAM	20175	1732.5	1.0869	1.235
16QAM	20385	1753.5	1.0901	1.244



Cat-M1 Band 4, Channel Bandwidth: 5 MHz

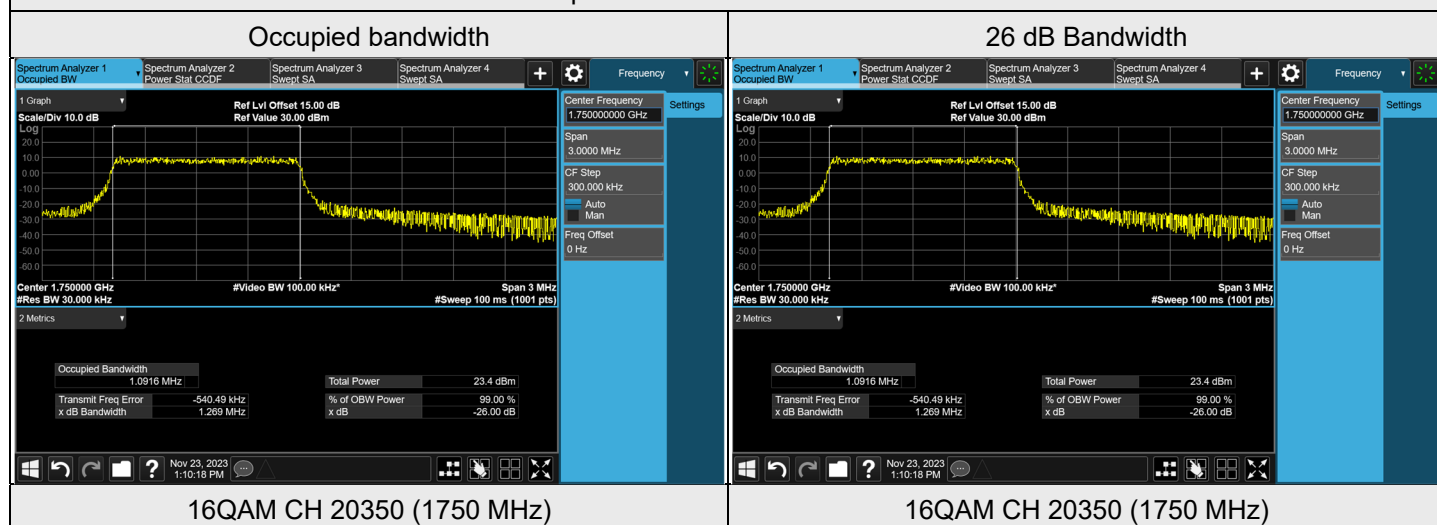
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19975	1712.5	1.0857	1.228
QPSK	20175	1732.5	1.0857	1.219
QPSK	20375	1752.5	1.0846	1.232
16QAM	19975	1712.5	1.0933	1.217
16QAM	20175	1732.5	1.0836	1.239
16QAM	20375	1752.5	1.0894	1.235



Cat-M1 Band 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20000	1715	1.0834	1.224
QPSK	20175	1732.5	1.0885	1.230
QPSK	20350	1750	1.0824	1.227
16QAM	20000	1715	1.0912	1.247
16QAM	20175	1732.5	1.0846	1.244
16QAM	20350	1750	1.0916	1.269

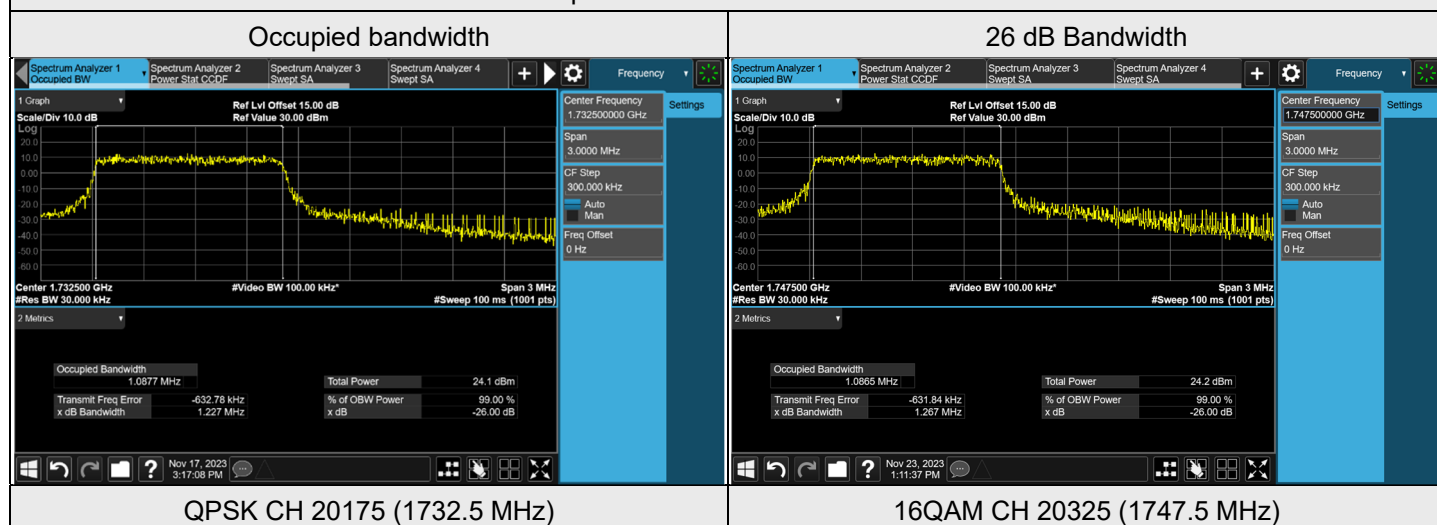
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20025	1717.5	1.0833	1.239
QPSK	20175	1732.5	1.0877	1.227
QPSK	20325	1747.5	1.0831	1.252
16QAM	20025	1717.5	1.0837	1.229
16QAM	20175	1732.5	1.0853	1.225
16QAM	20325	1747.5	1.0865	1.267

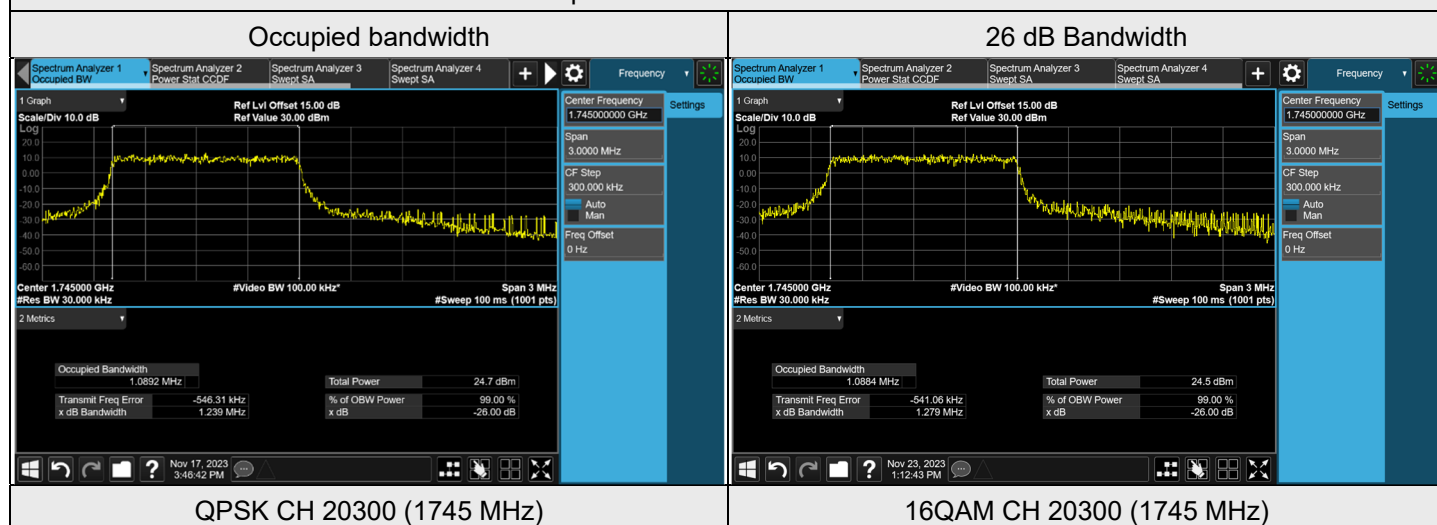
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20050	1720	1.0828	1.224
QPSK	20175	1732.5	1.0857	1.219
QPSK	20300	1745	1.0892	1.239
16QAM	20050	1720	1.0882	1.256
16QAM	20175	1732.5	1.0876	1.265
16QAM	20300	1745	1.0884	1.279

Spectrum Plot of Worst Value

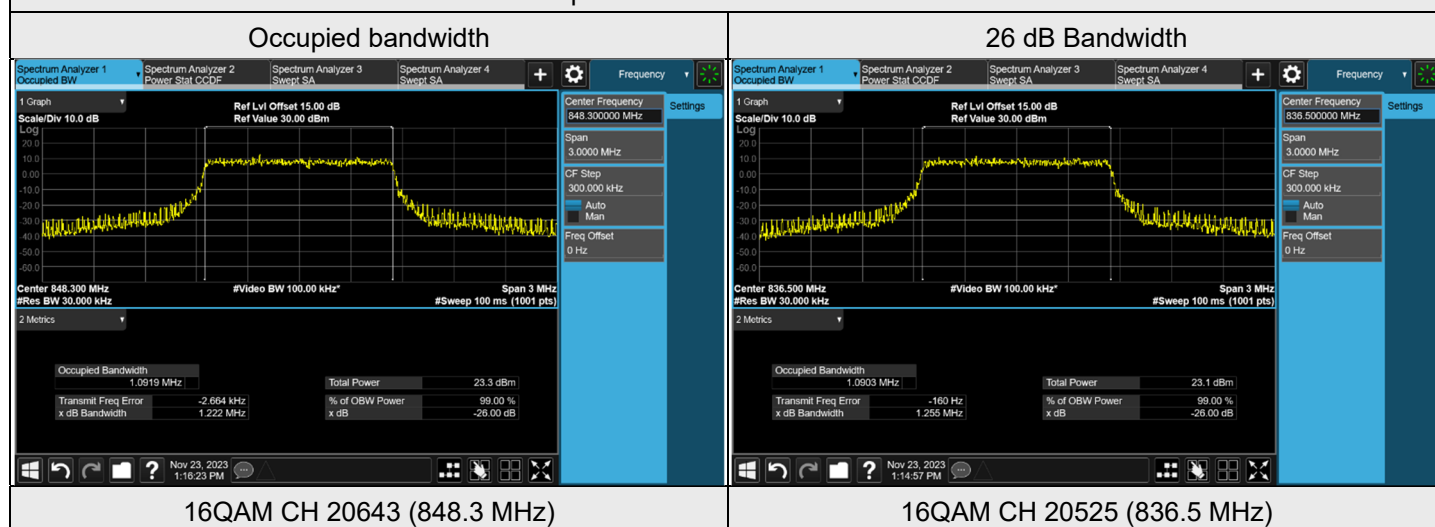


7.4.3 Cat-M1 Band 5

Cat-M1 Band 5, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20407	824.7	1.0862	1.247
QPSK	20525	836.5	1.0858	1.242
QPSK	20643	848.3	1.0882	1.243
16QAM	20407	824.7	1.0844	1.237
16QAM	20525	836.5	1.0903	1.255
16QAM	20643	848.3	1.0919	1.222

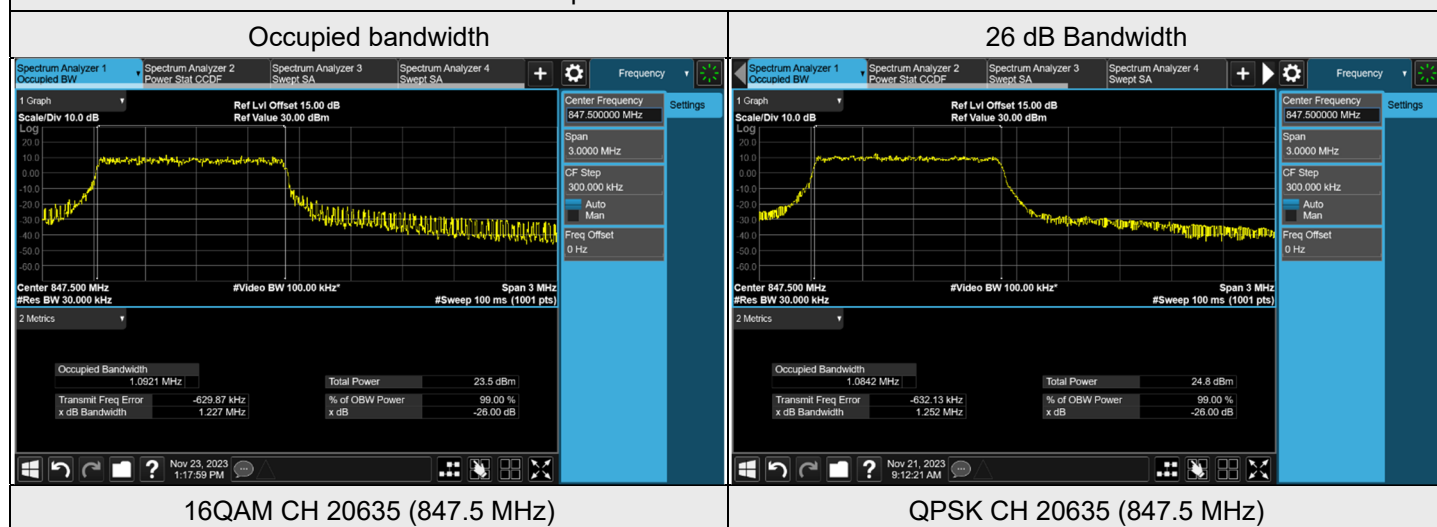
Spectrum Plot of Worst Value



Cat-M1 Band 5, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20415	825.5	1.0847	1.245
QPSK	20525	836.5	1.0862	1.244
QPSK	20635	847.5	1.0842	1.252
16QAM	20415	825.5	1.0887	1.221
16QAM	20525	836.5	1.0828	1.225
16QAM	20635	847.5	1.0921	1.227

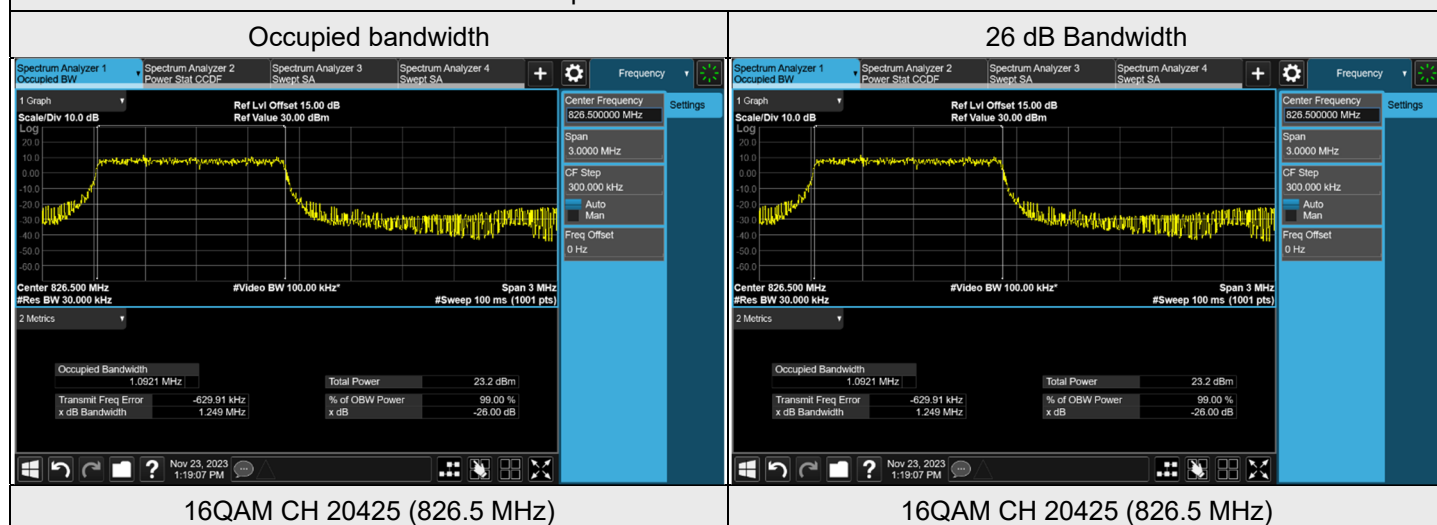
Spectrum Plot of Worst Value



Cat-M1 Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20425	826.5	1.0883	1.239
QPSK	20525	836.5	1.0876	1.239
QPSK	20625	846.5	1.0862	1.243
16QAM	20425	826.5	1.0921	1.249
16QAM	20525	836.5	1.0900	1.214
16QAM	20625	846.5	1.0899	1.248

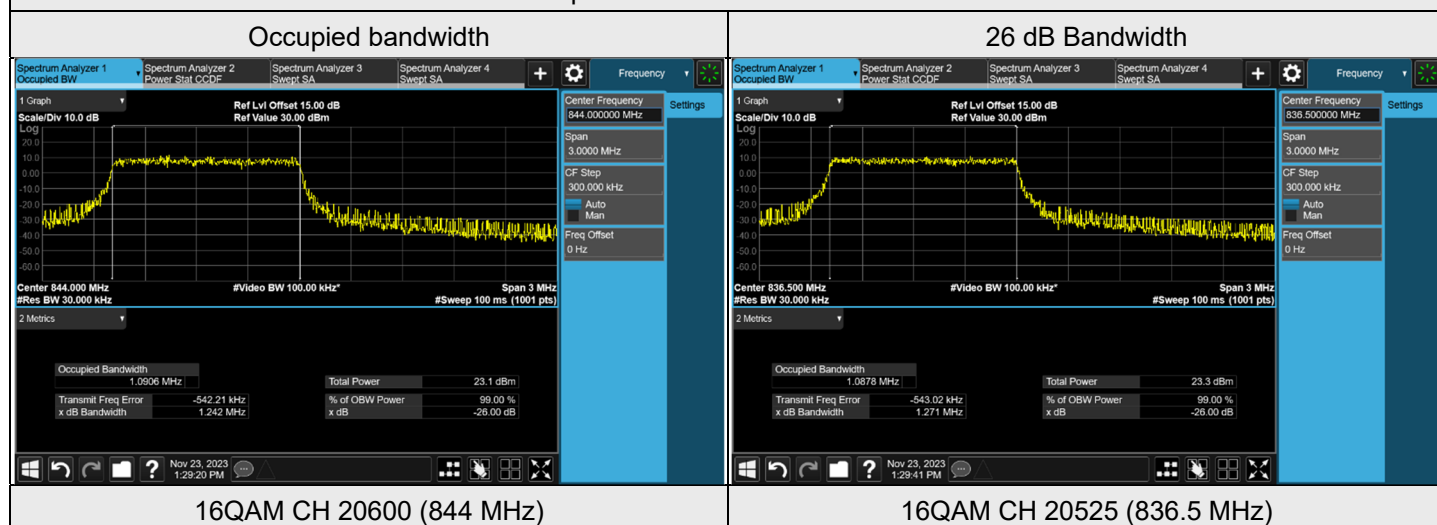
Spectrum Plot of Worst Value



Cat-M1 Band 5, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20450	829	1.0885	1.236
QPSK	20525	836.5	1.0878	1.237
QPSK	20600	844	1.0867	1.248
16QAM	20450	829	1.0871	1.255
16QAM	20525	836.5	1.0878	1.271
16QAM	20600	844	1.0906	1.242

Spectrum Plot of Worst Value

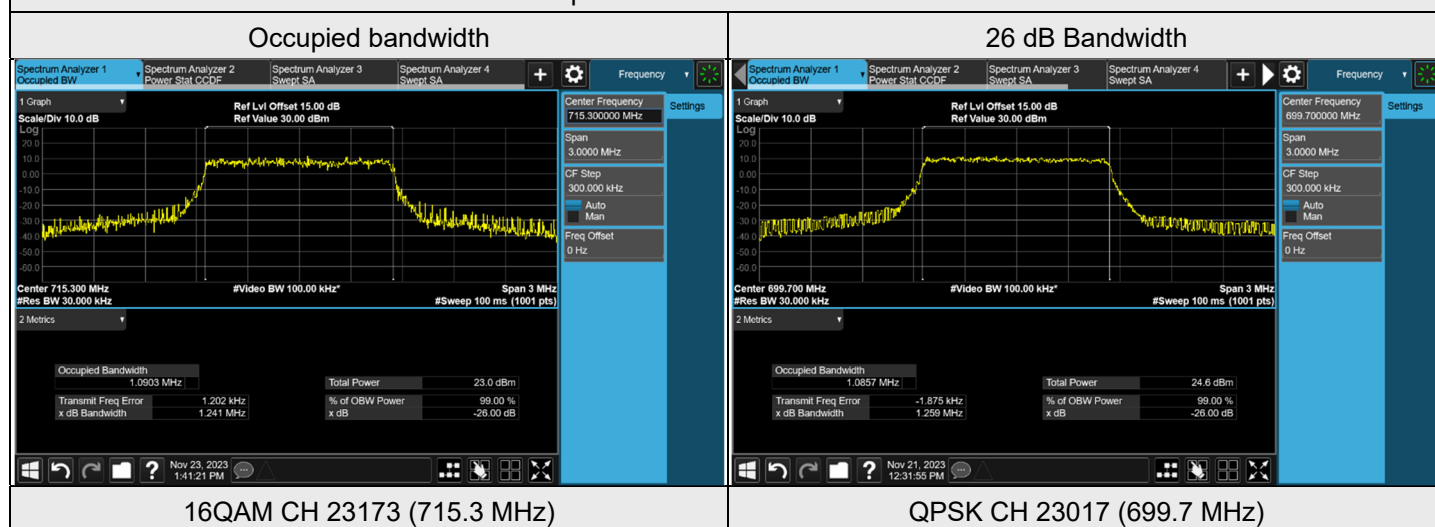


7.4.4 Cat-M1 Band 12

Cat-M1 Band 12, Channel Bandwidth: 1.4 MHz

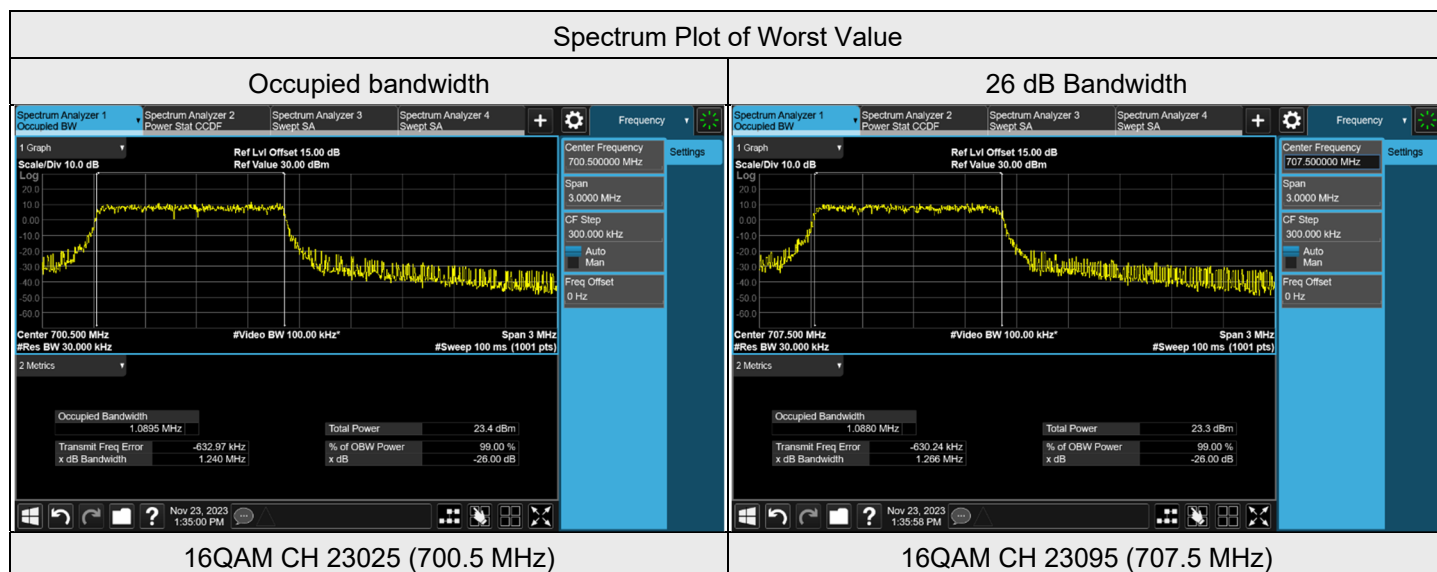
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23017	699.7	1.0857	1.259
QPSK	23095	707.5	1.0869	1.250
QPSK	23173	715.3	1.0873	1.242
16QAM	23017	699.7	1.0886	1.233
16QAM	23095	707.5	1.0827	1.225
16QAM	23173	715.3	1.0903	1.241

Spectrum Plot of Worst Value



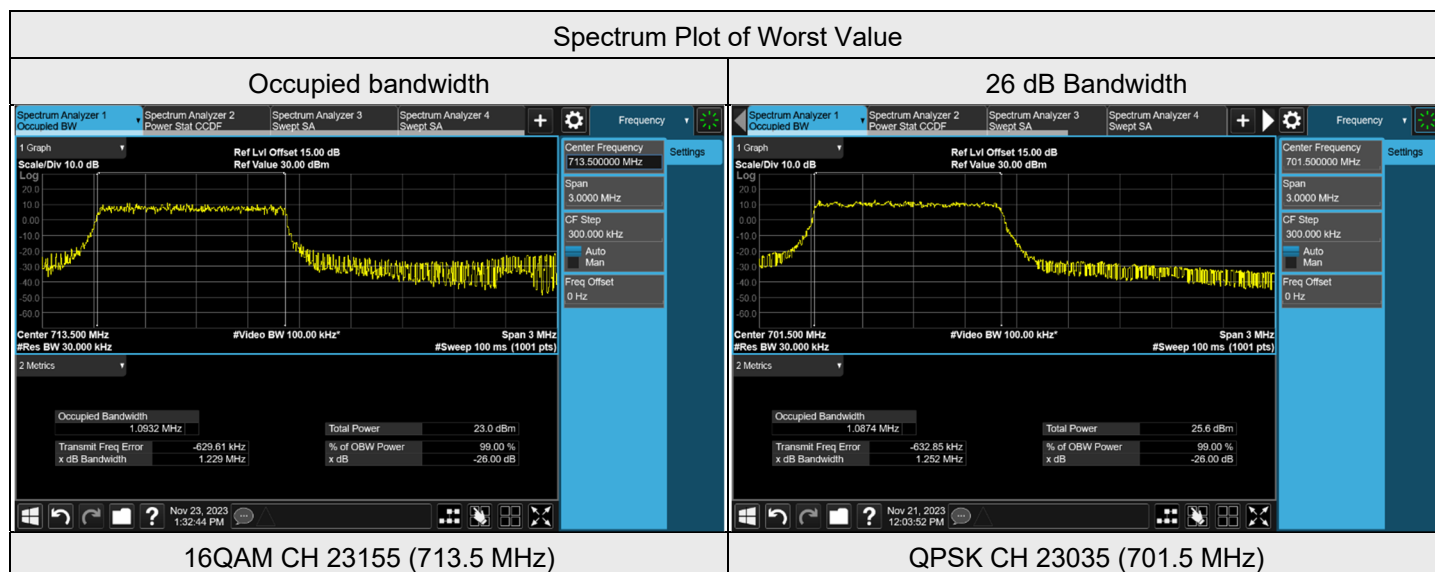
Cat-M1 Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23025	700.5	1.0846	1.237
QPSK	23095	707.5	1.0856	1.241
QPSK	23165	714.5	1.0850	1.255
16QAM	23025	700.5	1.0895	1.240
16QAM	23095	707.5	1.0880	1.266
16QAM	23165	714.5	1.0884	1.254



Cat-M1 Band 12, Channel Bandwidth: 5 MHz

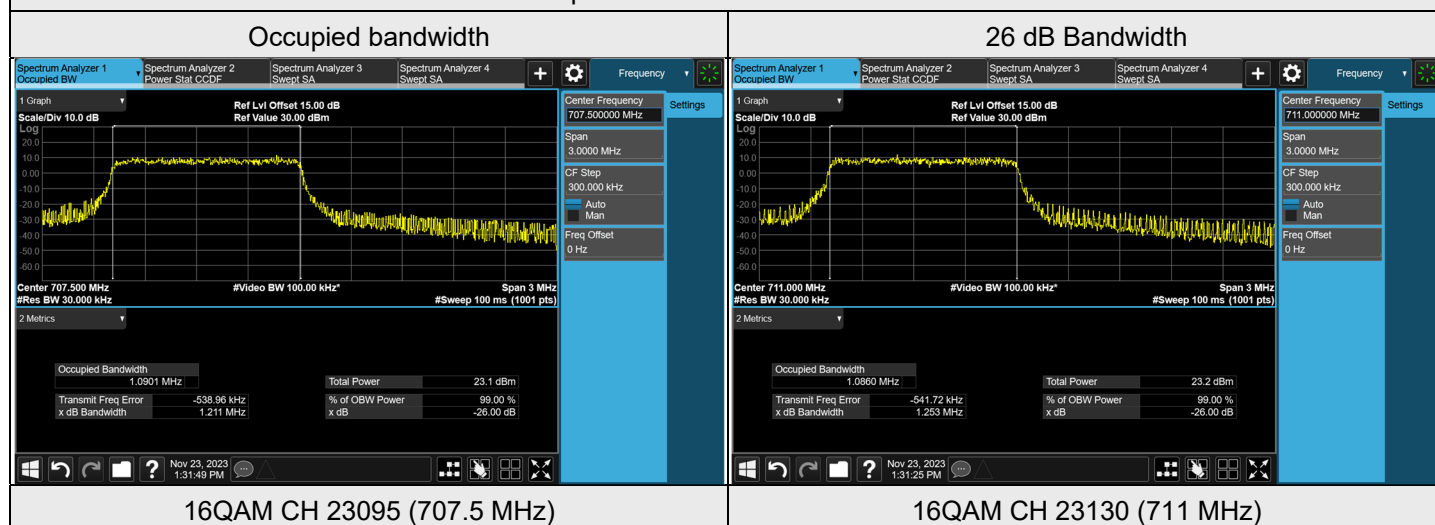
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23035	701.5	1.0874	1.252
QPSK	23095	707.5	1.0865	1.240
QPSK	23155	713.5	1.0875	1.242
16QAM	23035	701.5	1.0898	1.214
16QAM	23095	707.5	1.0917	1.244
16QAM	23155	713.5	1.0932	1.229



Cat-M1 Band 12, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	1.0893	1.231
QPSK	23095	707.5	1.0873	1.233
QPSK	23130	711	1.0885	1.227
16QAM	23060	704	1.0900	1.249
16QAM	23095	707.5	1.0901	1.211
16QAM	23130	711	1.0860	1.253

Spectrum Plot of Worst Value

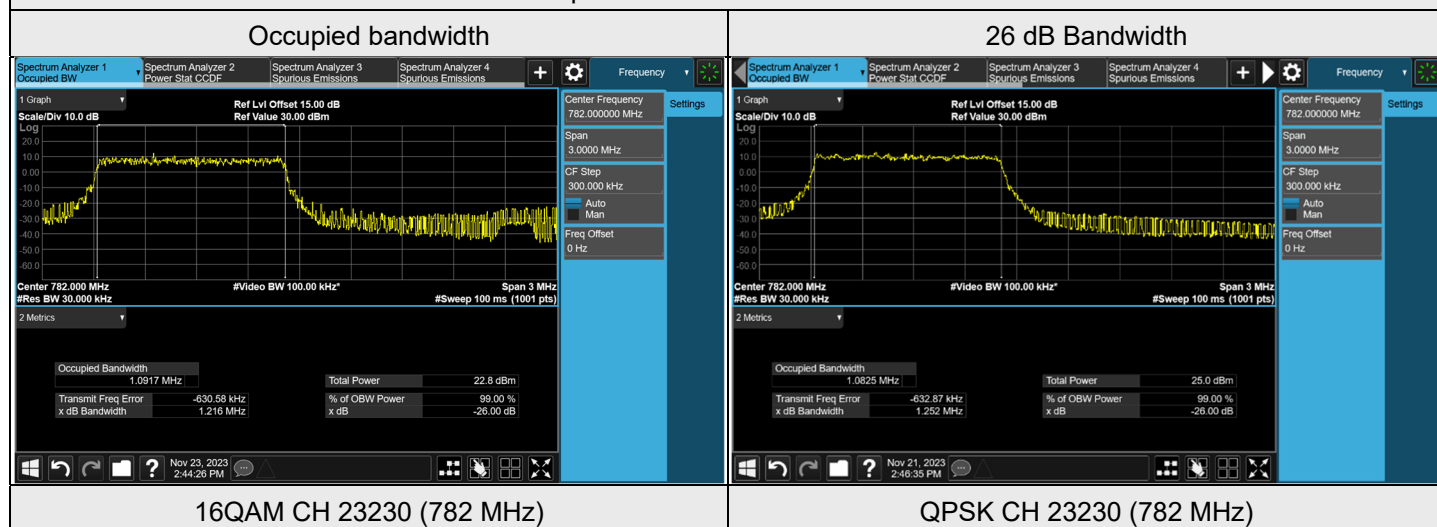


7.4.5 Cat-M1 Band 13

Cat-M1 Band 13, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23205	779.5	1.0871	1.240
QPSK	23230	782	1.0825	1.252
QPSK	23255	784.5	1.0867	1.247
16QAM	23205	779.5	1.0893	1.220
16QAM	23230	782	1.0917	1.216
16QAM	23255	784.5	1.0893	1.233

Spectrum Plot of Worst Value



Cat-M1 Band 13, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23230	782	1.0897	1.233
16QAM	23230	782	1.0900	1.226

