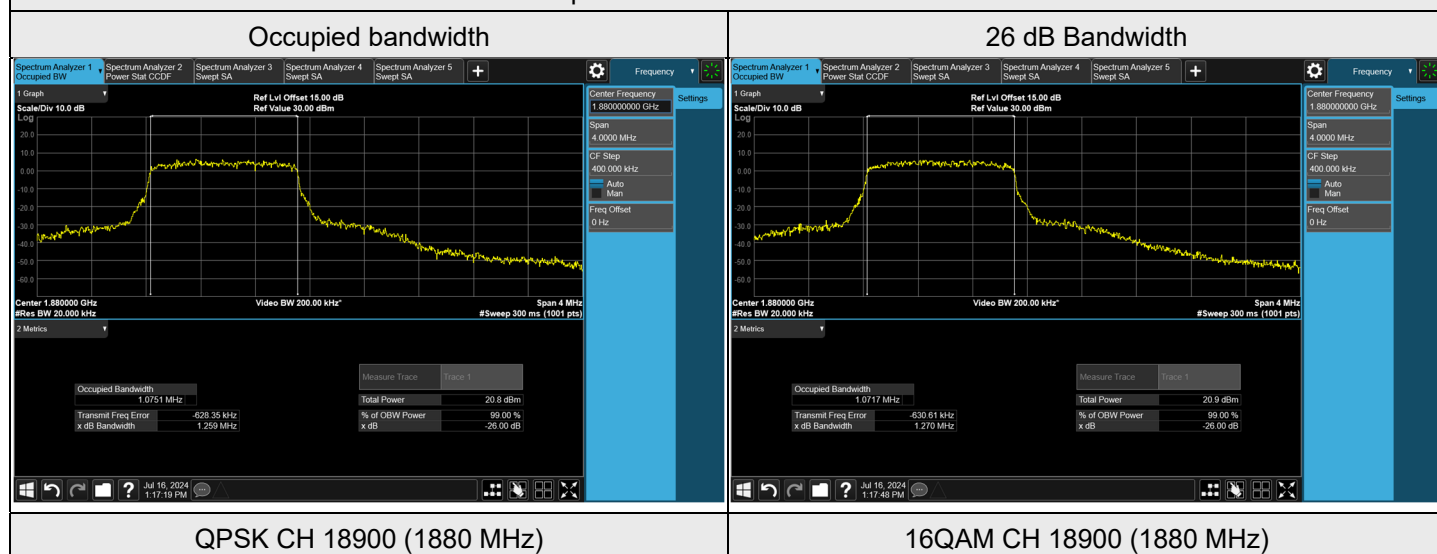


Cat-M1 Band 2, Channel Bandwidth: 3 MHz

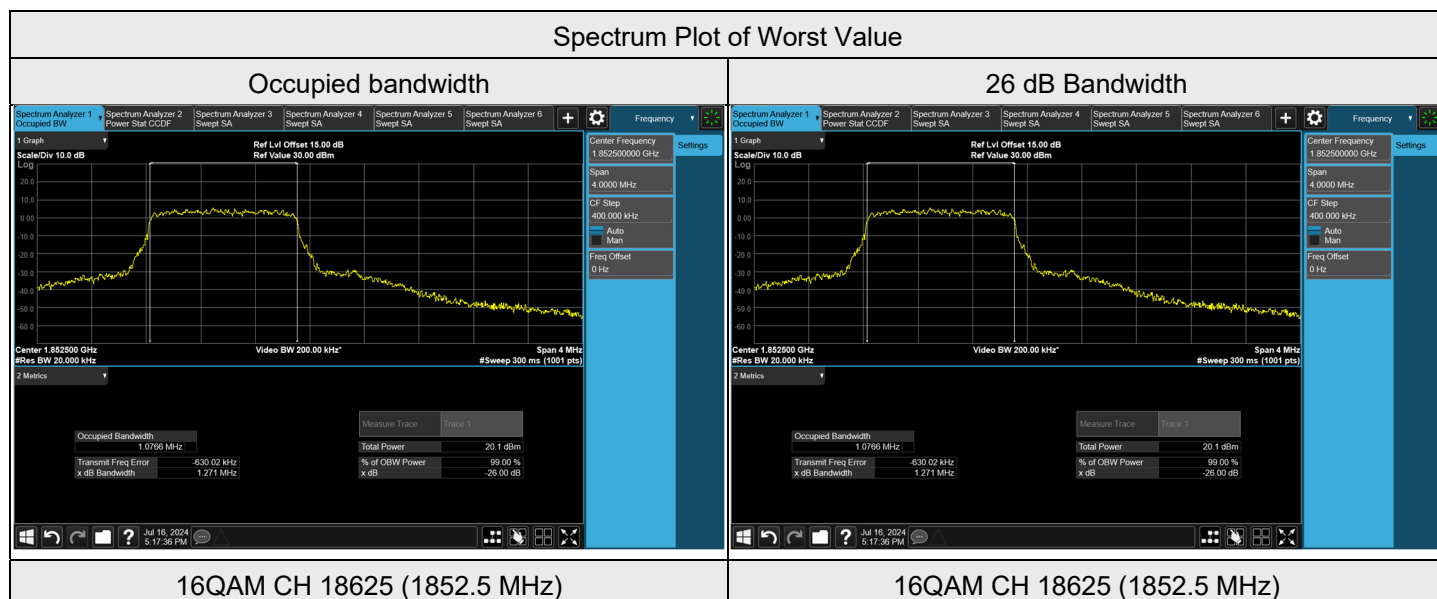
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18615	1851.5	1.0703	1.253
QPSK	18900	1880	1.0751	1.259
QPSK	19185	1908.5	1.0698	1.236
16QAM	18615	1851.5	1.0722	1.243
16QAM	18900	1880	1.0717	1.270
16QAM	19185	1908.5	1.0692	1.245

Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 5 MHz

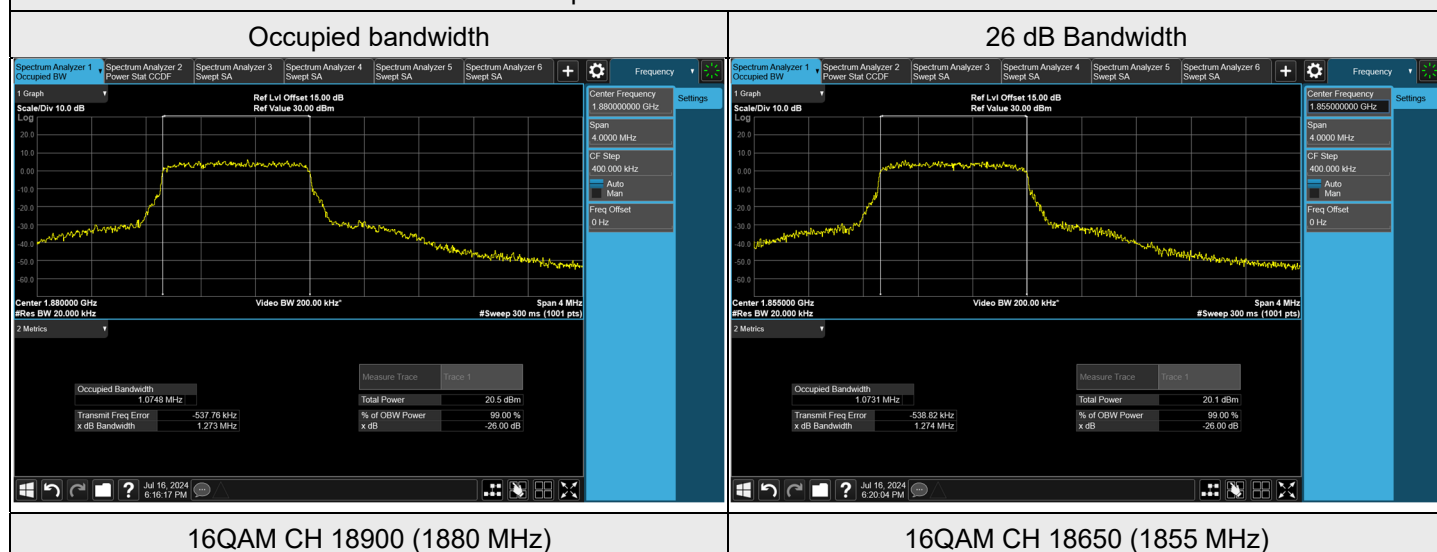
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18625	1852.5	1.0743	1.258
QPSK	18900	1880	1.0710	1.254
QPSK	19175	1907.5	1.0731	1.252
16QAM	18625	1852.5	1.0766	1.271
16QAM	18900	1880	1.0728	1.263
16QAM	19175	1907.5	1.0680	1.247



Cat-M1 Band 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18650	1855	1.0738	1.256
QPSK	18900	1880	1.0744	1.251
QPSK	19150	1905	1.0736	1.232
16QAM	18650	1855	1.0731	1.274
16QAM	18900	1880	1.0748	1.273
16QAM	19150	1905	1.0729	1.260

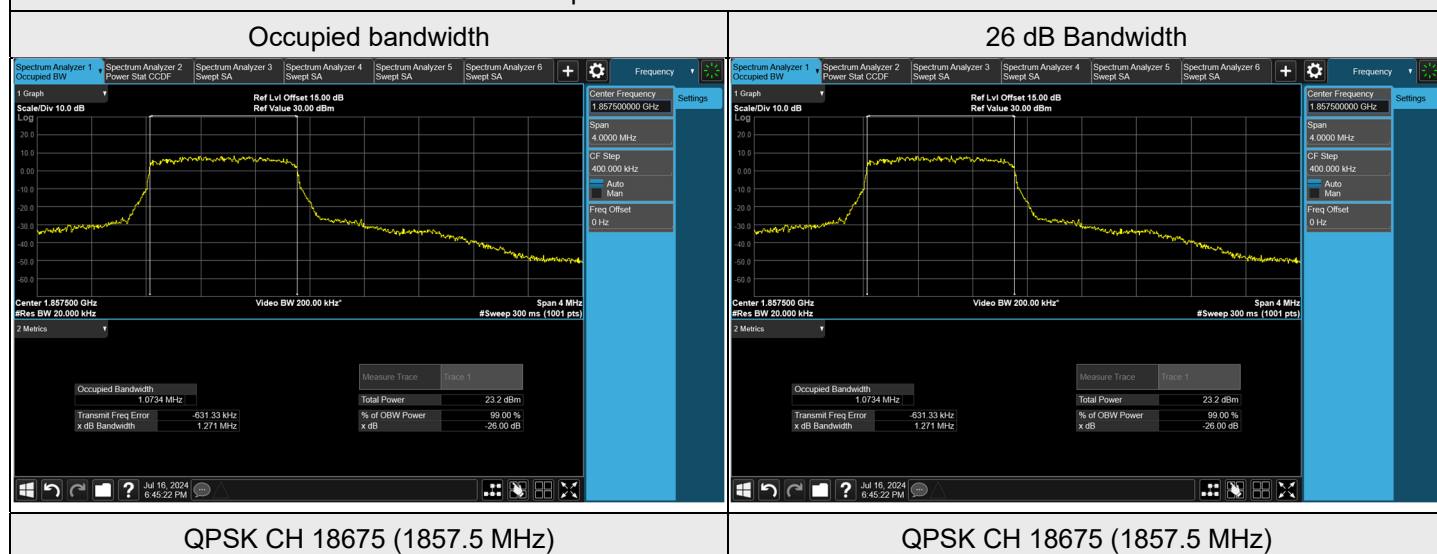
Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18675	1857.5	1.0734	1.271
QPSK	18900	1880	1.0703	1.238
QPSK	19125	1902.5	1.0728	1.240
16QAM	18675	1857.5	1.0675	1.244
16QAM	18900	1880	1.0700	1.254
16QAM	19125	1902.5	1.0696	1.249

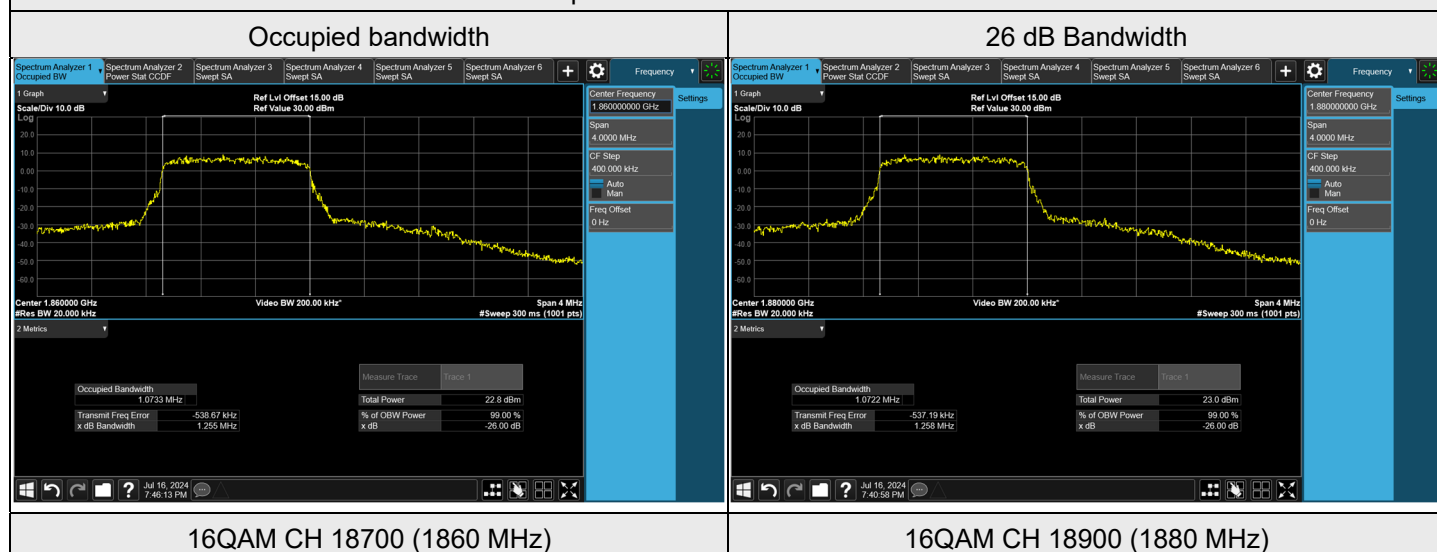
Spectrum Plot of Worst Value



Cat-M1 Band 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	18700	1860	1.0718	1.235
QPSK	18900	1880	1.0704	1.246
QPSK	19100	1900	1.0697	1.242
16QAM	18700	1860	1.0733	1.255
16QAM	18900	1880	1.0722	1.258
16QAM	19100	1900	1.0717	1.248

Spectrum Plot of Worst Value

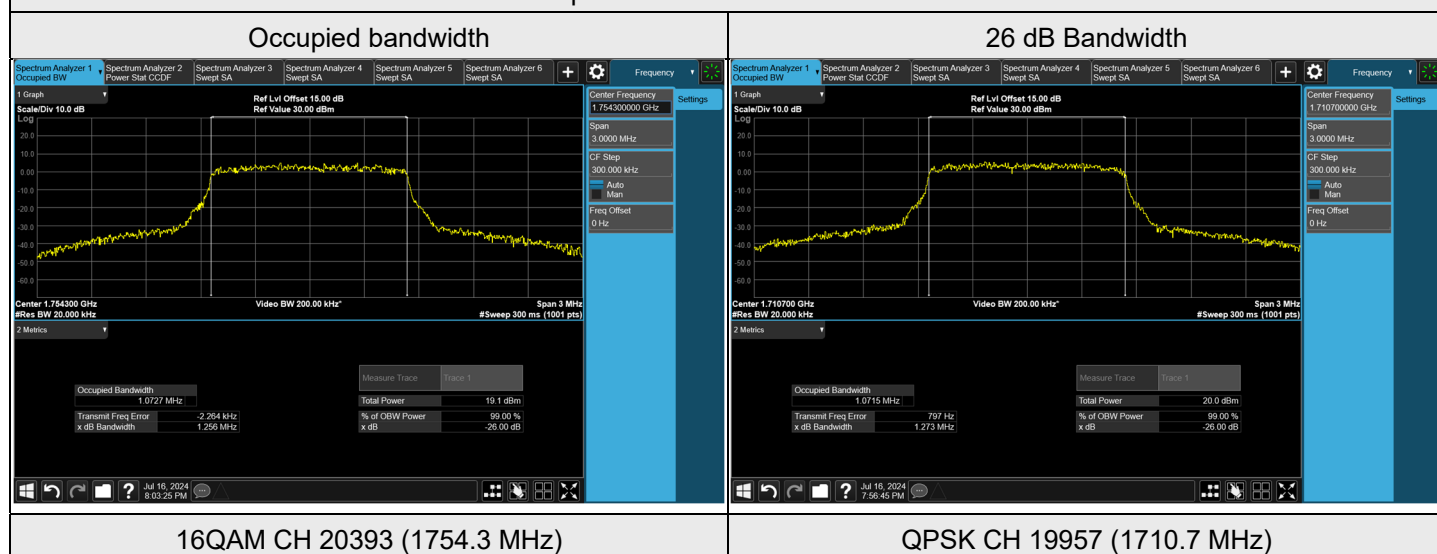


7.4.2 Cat-M1 Band 4

Cat-M1 Band 4, Channel Bandwidth: 1.4 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19957	1710.7	1.0715	1.273
QPSK	20175	1732.5	1.0723	1.250
QPSK	20393	1754.3	1.0697	1.252
16QAM	19957	1710.7	1.0664	1.249
16QAM	20175	1732.5	1.0645	1.233
16QAM	20393	1754.3	1.0727	1.256

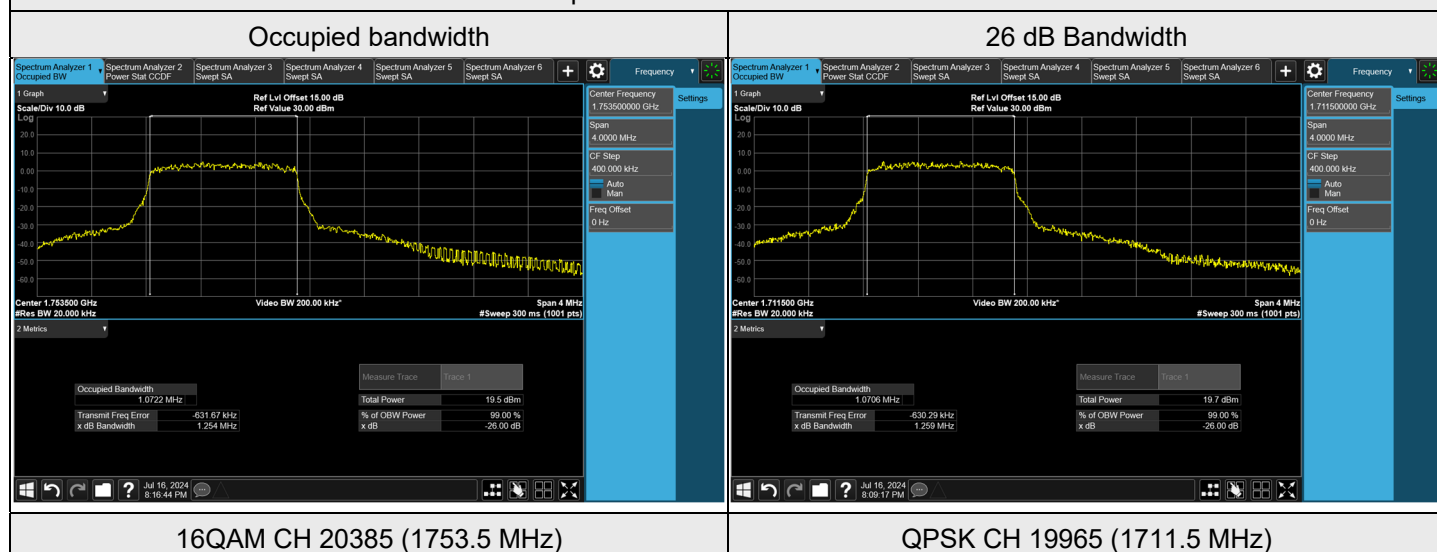
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19965	1711.5	1.0706	1.259
QPSK	20175	1732.5	1.0696	1.246
QPSK	20385	1753.5	1.0689	1.248
16QAM	19965	1711.5	1.0717	1.254
16QAM	20175	1732.5	1.0654	1.252
16QAM	20385	1753.5	1.0722	1.254

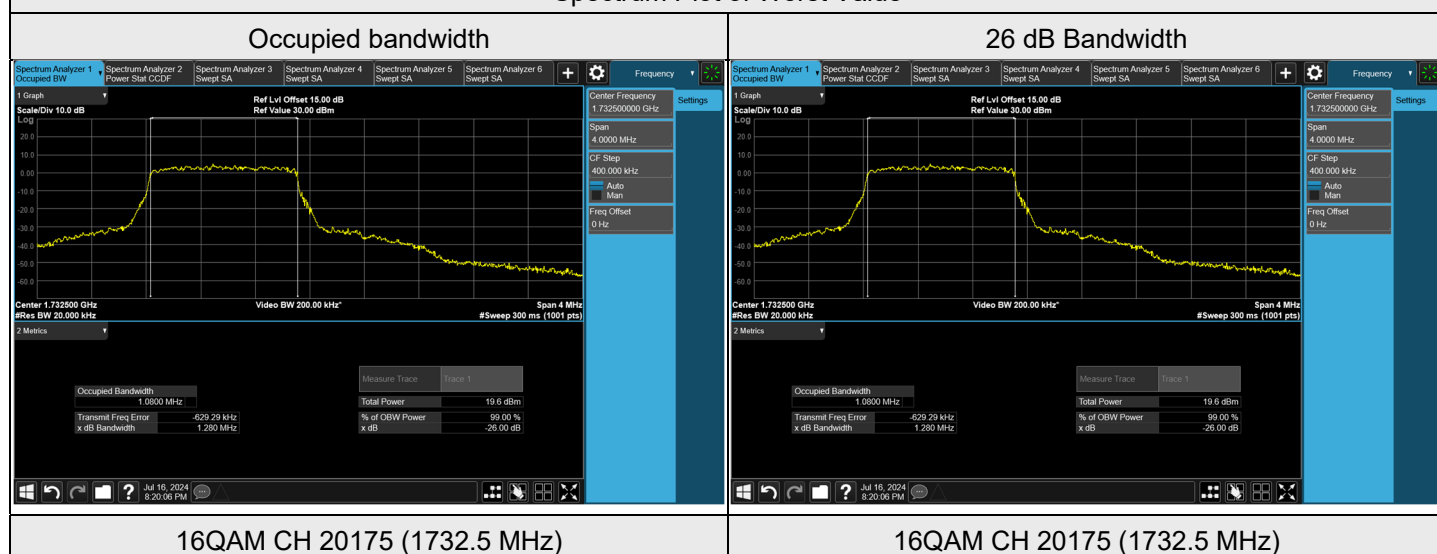
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	19975	1712.5	1.0727	1.244
QPSK	20175	1732.5	1.0764	1.275
QPSK	20375	1752.5	1.0722	1.249
16QAM	19975	1712.5	1.0744	1.278
16QAM	20175	1732.5	1.0800	1.280
16QAM	20375	1752.5	1.0697	1.261

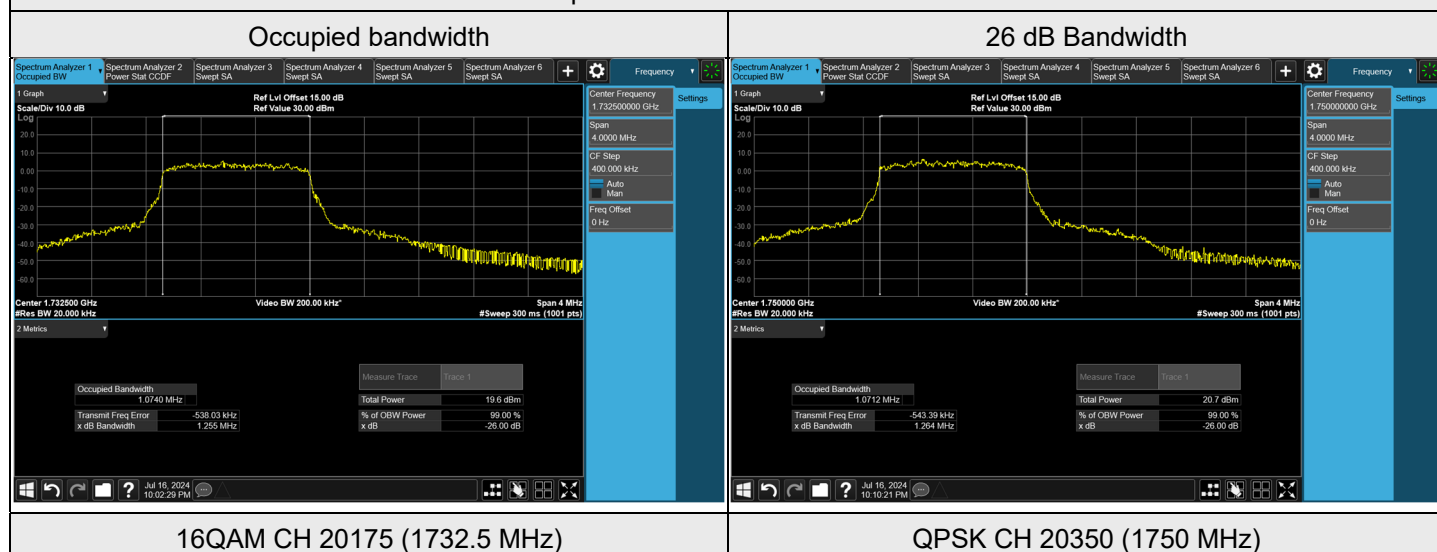
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20000	1715	1.0729	1.253
QPSK	20175	1732.5	1.0706	1.259
QPSK	20350	1750	1.0712	1.264
16QAM	20000	1715	1.0737	1.262
16QAM	20175	1732.5	1.0740	1.255
16QAM	20350	1750	1.0706	1.261

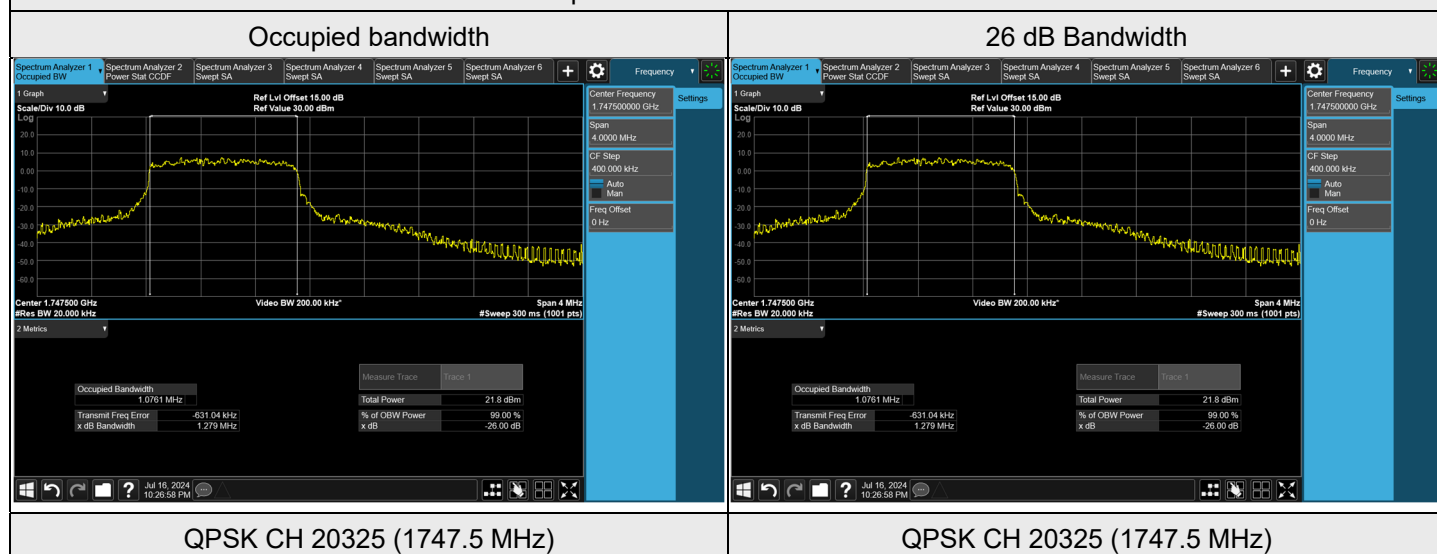
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20025	1717.5	1.0720	1.254
QPSK	20175	1732.5	1.0755	1.260
QPSK	20325	1747.5	1.0761	1.279
16QAM	20025	1717.5	1.0715	1.272
16QAM	20175	1732.5	1.0720	1.267
16QAM	20325	1747.5	1.0697	1.264

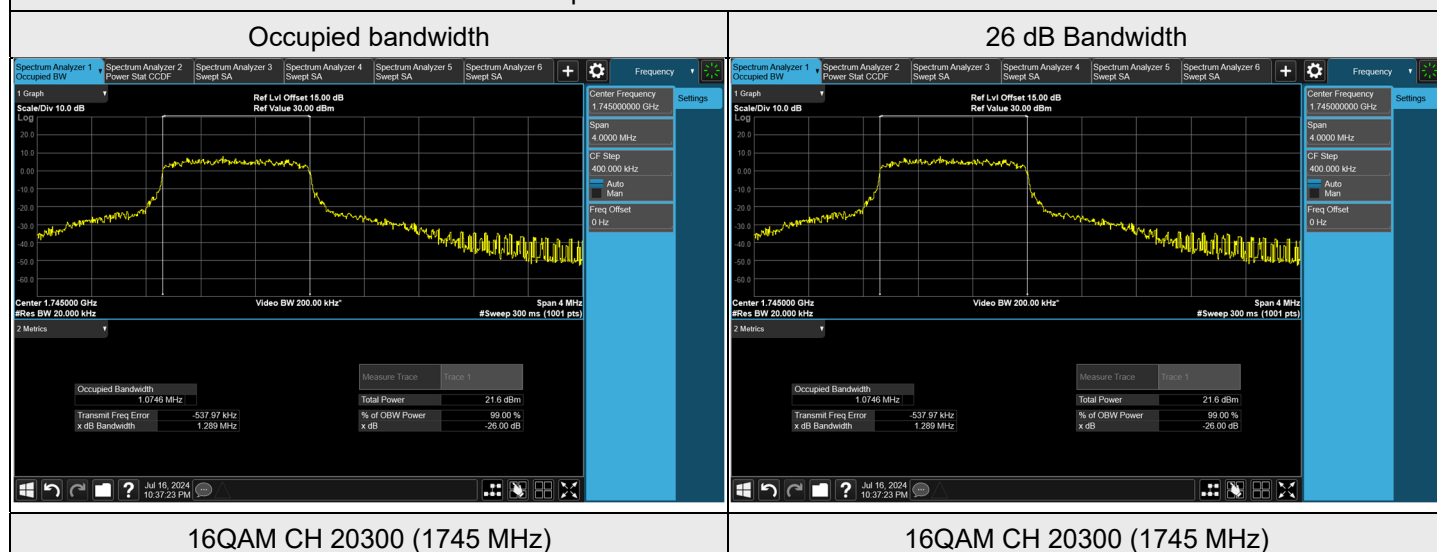
Spectrum Plot of Worst Value



Cat-M1 Band 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20050	1720	1.0741	1.248
QPSK	20175	1732.5	1.0724	1.260
QPSK	20300	1745	1.0724	1.273
16QAM	20050	1720	1.0719	1.264
16QAM	20175	1732.5	1.0743	1.280
16QAM	20300	1745	1.0746	1.289

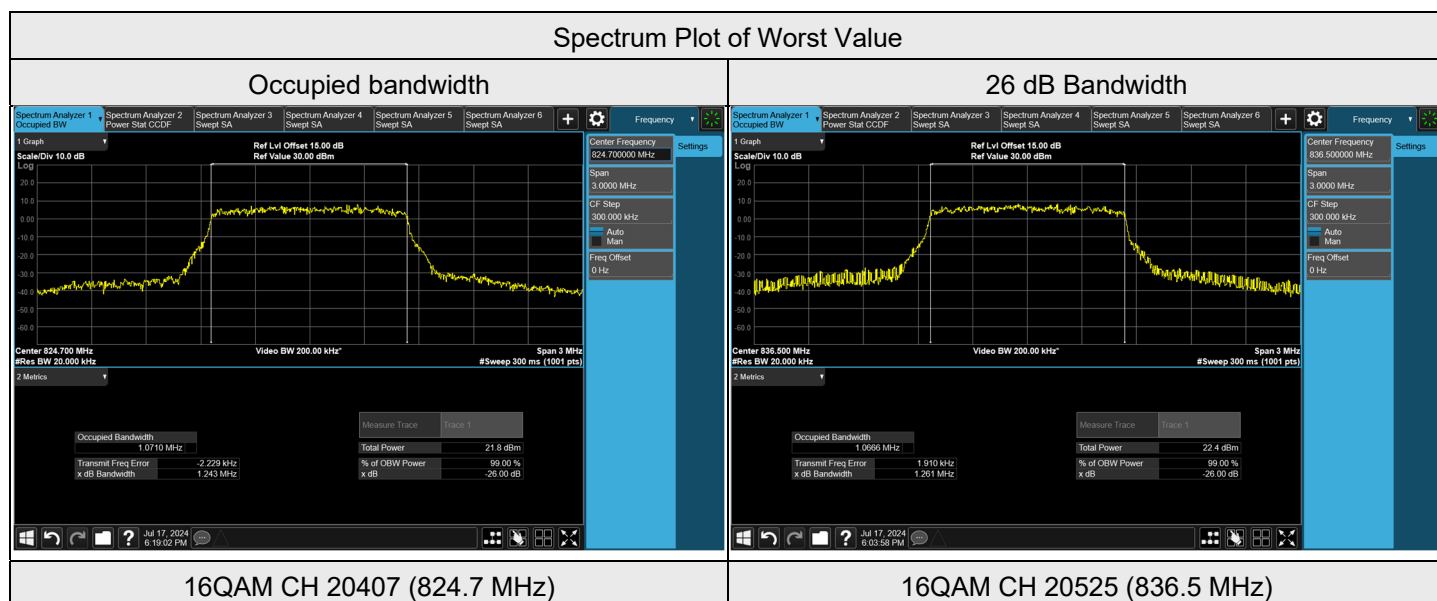
Spectrum Plot of Worst Value



7.4.3 Cat-M1 Band 5

Cat-M1 Band 5, Channel Bandwidth: 1.4 MHz

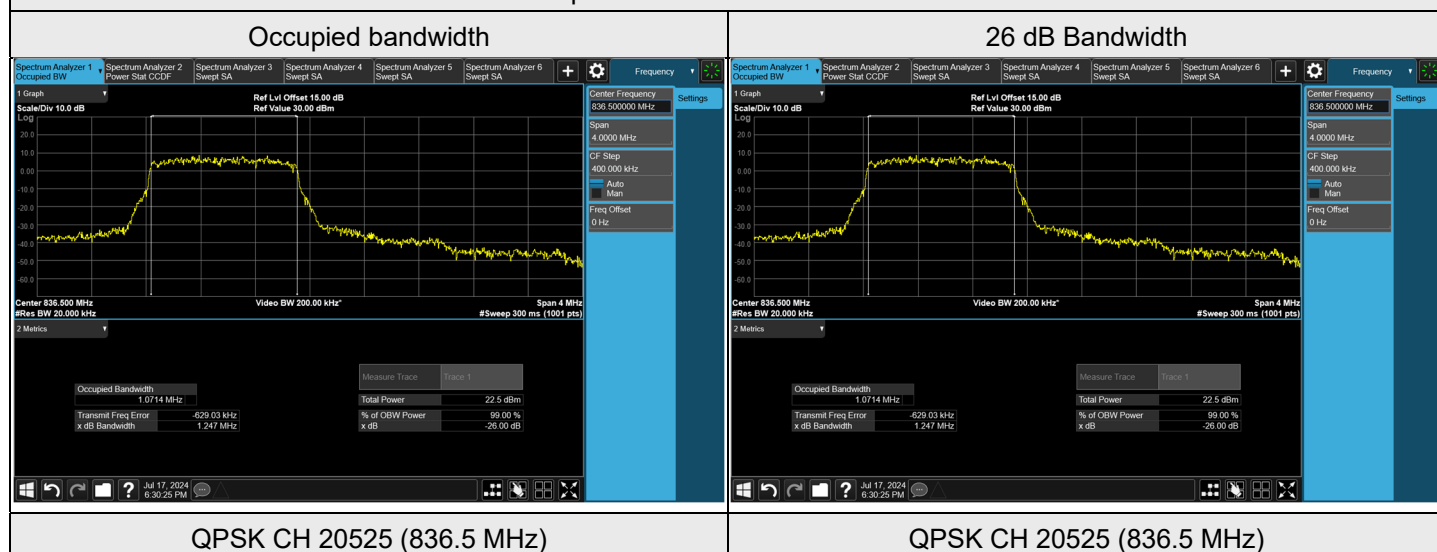
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20407	824.7	1.0703	1.241
QPSK	20525	836.5	1.0706	1.224
QPSK	20643	848.3	1.0695	1.248
16QAM	20407	824.7	1.0710	1.243
16QAM	20525	836.5	1.0666	1.261
16QAM	20643	848.3	1.0661	1.248



Cat-M1 Band 5, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20415	825.5	1.0690	1.224
QPSK	20525	836.5	1.0714	1.247
QPSK	20635	847.5	1.0692	1.244
16QAM	20415	825.5	1.0700	1.227
16QAM	20525	836.5	1.0630	1.227
16QAM	20635	847.5	1.0628	1.242

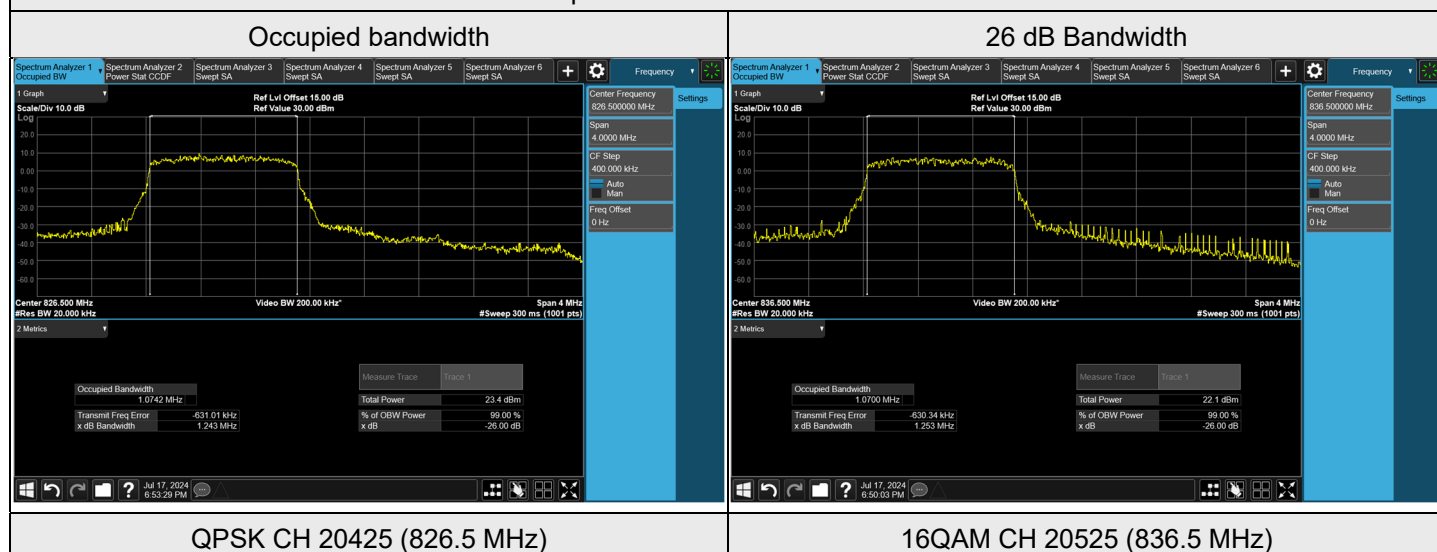
Spectrum Plot of Worst Value



Cat-M1 Band 5, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20425	826.5	1.0742	1.243
QPSK	20525	836.5	1.0710	1.235
QPSK	20625	846.5	1.0731	1.241
16QAM	20425	826.5	1.0699	1.253
16QAM	20525	836.5	1.0700	1.253
16QAM	20625	846.5	1.0691	1.247

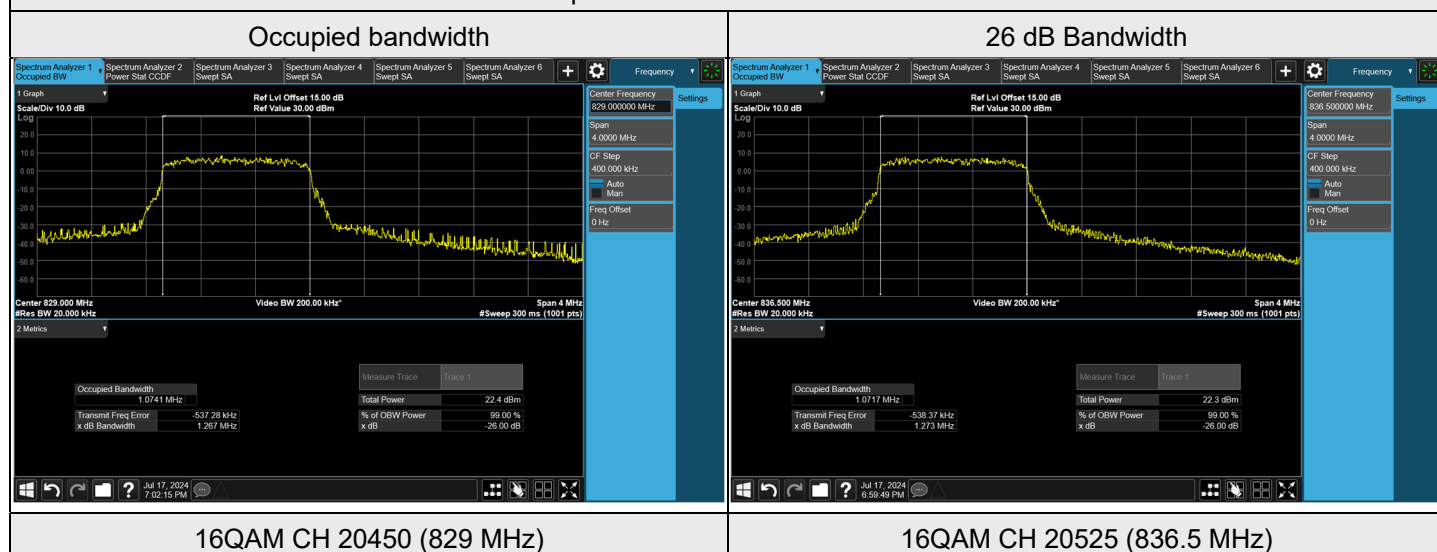
Spectrum Plot of Worst Value



Cat-M1 Band 5, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	20450	829	1.0718	1.227
QPSK	20525	836.5	1.0690	1.251
QPSK	20600	844	1.0702	1.249
16QAM	20450	829	1.0741	1.267
16QAM	20525	836.5	1.0717	1.273
16QAM	20600	844	1.0710	1.264

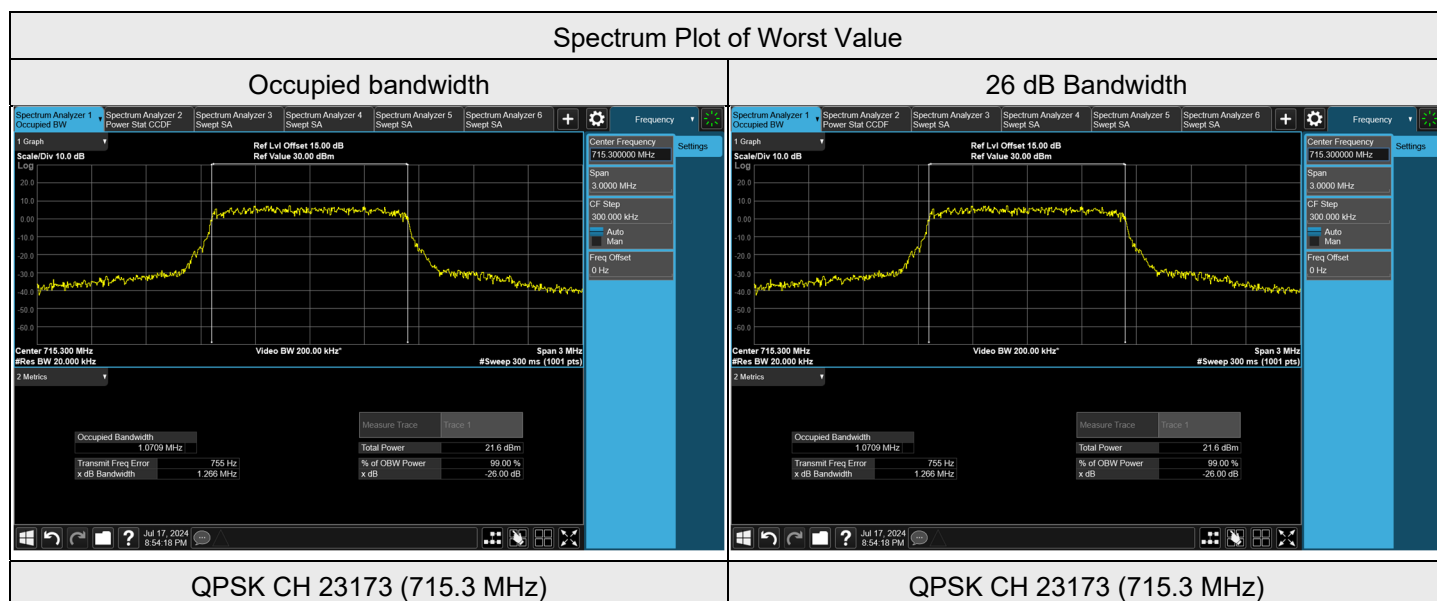
Spectrum Plot of Worst Value



7.4.4 Cat-M1 Band 12

Cat-M1 Band 12, Channel Bandwidth: 1.4 MHz

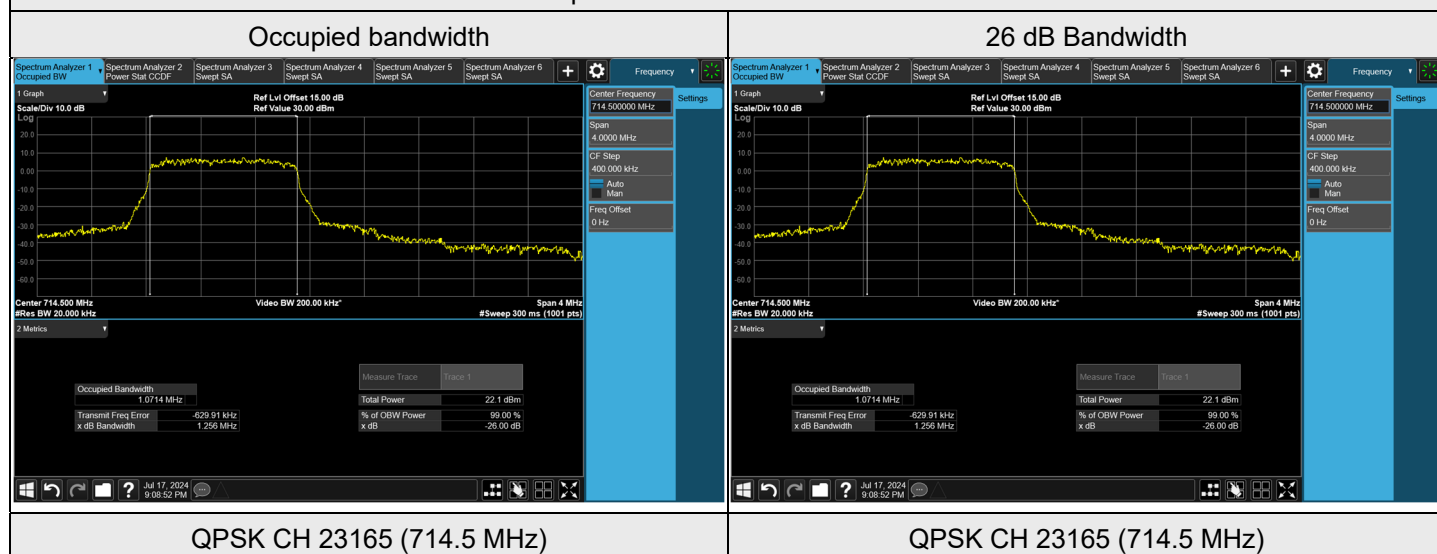
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23017	699.7	1.0705	1.242
QPSK	23095	707.5	1.0702	1.246
QPSK	23173	715.3	1.0709	1.266
16QAM	23017	699.7	1.0652	1.249
16QAM	23095	707.5	1.0667	1.257
16QAM	23173	715.3	1.0671	1.227



Cat-M1 Band 12, Channel Bandwidth: 3 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23025	700.5	1.0700	1.218
QPSK	23095	707.5	1.0690	1.251
QPSK	23165	714.5	1.0714	1.256
16QAM	23025	700.5	1.0672	1.242
16QAM	23095	707.5	1.0660	1.239
16QAM	23165	714.5	1.0639	1.237

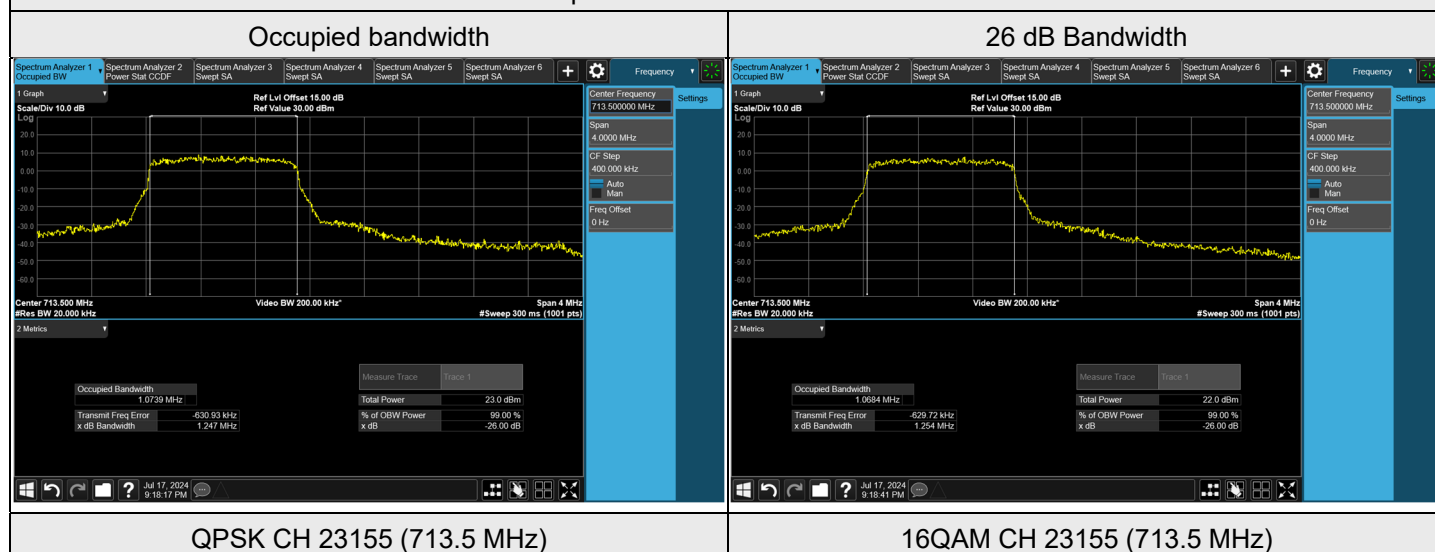
Spectrum Plot of Worst Value



Cat-M1 Band 12, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23035	701.5	1.0722	1.239
QPSK	23095	707.5	1.0716	1.247
QPSK	23155	713.5	1.0739	1.247
16QAM	23035	701.5	1.0671	1.246
16QAM	23095	707.5	1.0659	1.245
16QAM	23155	713.5	1.0684	1.254

Spectrum Plot of Worst Value



Cat-M1 Band 12, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	23060	704	1.0701	1.246
QPSK	23095	707.5	1.0697	1.223
QPSK	23130	711	1.0722	1.249
16QAM	23060	704	1.0719	1.264
16QAM	23095	707.5	1.0698	1.259
16QAM	23130	711	1.0731	1.267

Spectrum Plot of Worst Value

