



Figure 158: output 64QAM 40MHz B.W.; 2670.0MHz, 15kHz



Figure 159: output 64QAM 40MHz B.W.; 2670.0MHz, 30kHz



Figure 160: output 64QAM 40MHz B.W.; 2670.0MHz, 60kHz



Figure 161: output 64QAM 60MHz B.W.; 2526.0MHz, 30kHz

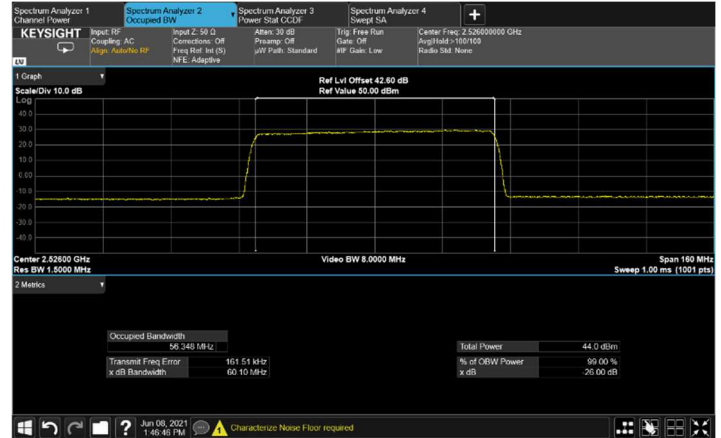


Figure 162: output 64QAM 60MHz B.W.; 2526.0MHz, 60kHz

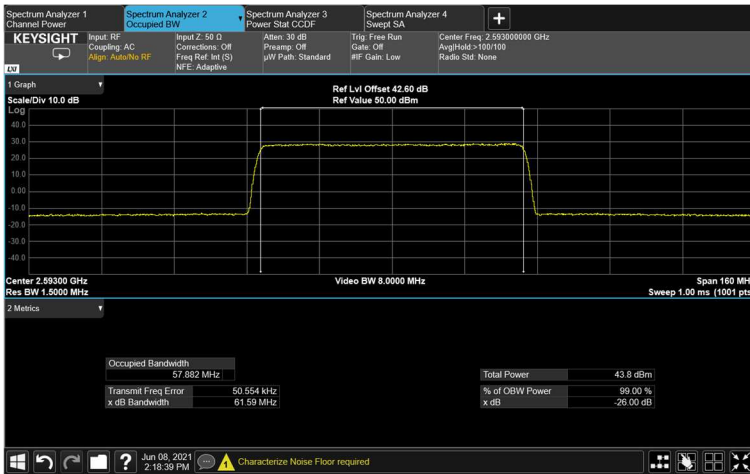


Figure 163: output 64QAM 60MHz B.W.; 2593.0MHz, 30kHz



Figure 164: output 64QAM 60MHz B.W.; 2593.0MHz, 60kHz

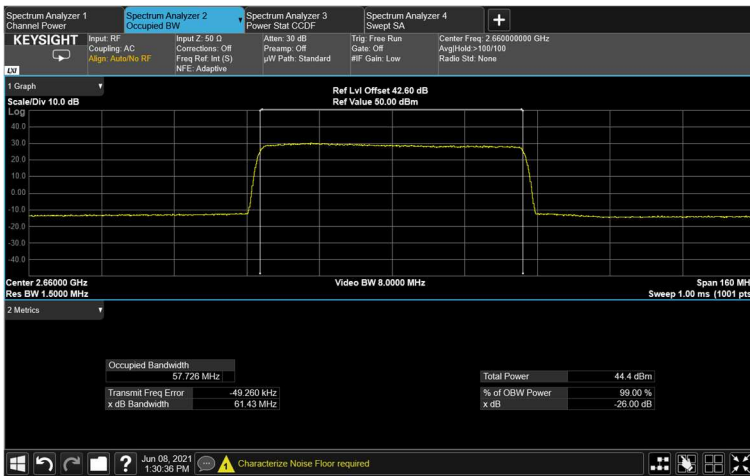


Figure 165: output 64QAM 60MHz B.W.; 2660.0MHz, 30kHz

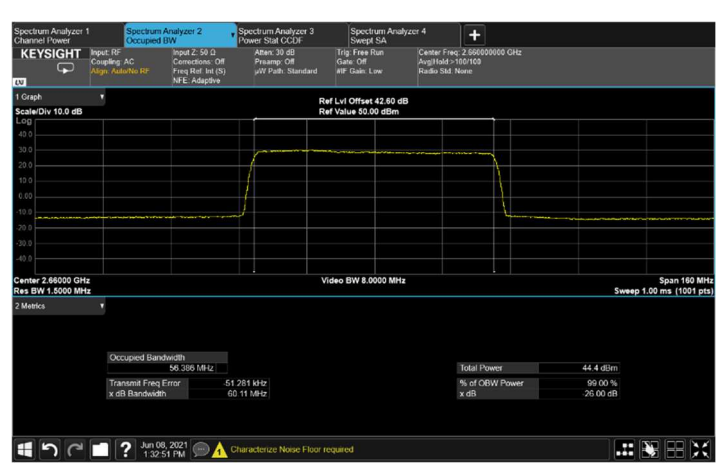


Figure 166: output 64QAM 60MHz B.W.; 2660.0MHz, 60kHz

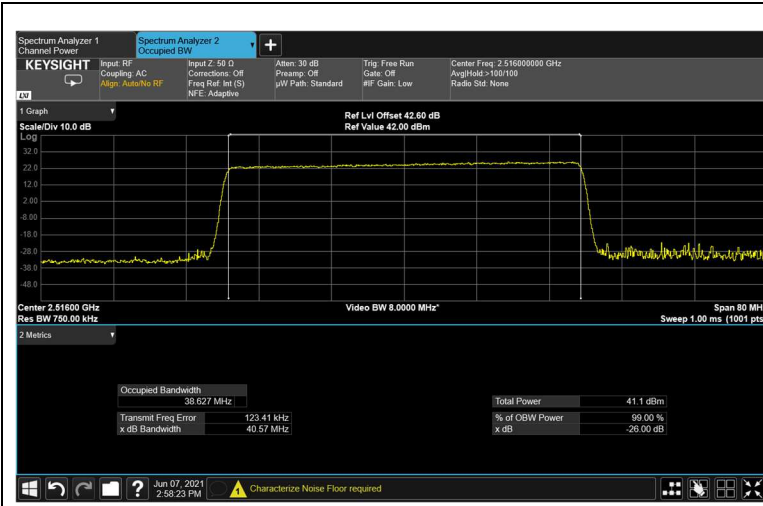


Figure 167: output 256QAM 40MHz B.W.; 2516.0MHz, 15kHz



Figure 168: output 256QAM 40MHz B.W.; 2516.0MHz, 30kHz



Figure 169: output 256QAM 40MHz B.W.; 2516.0MHz, 60kHz

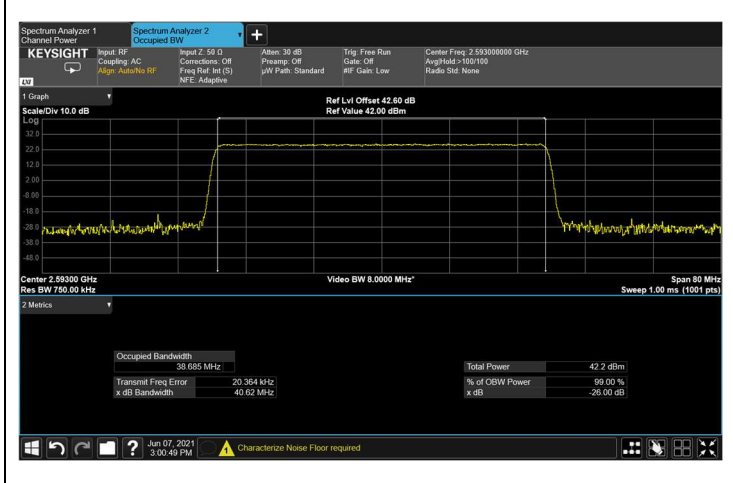


Figure 170: output 256QAM 40MHz B.W.; 2593.0MHz, 15kHz

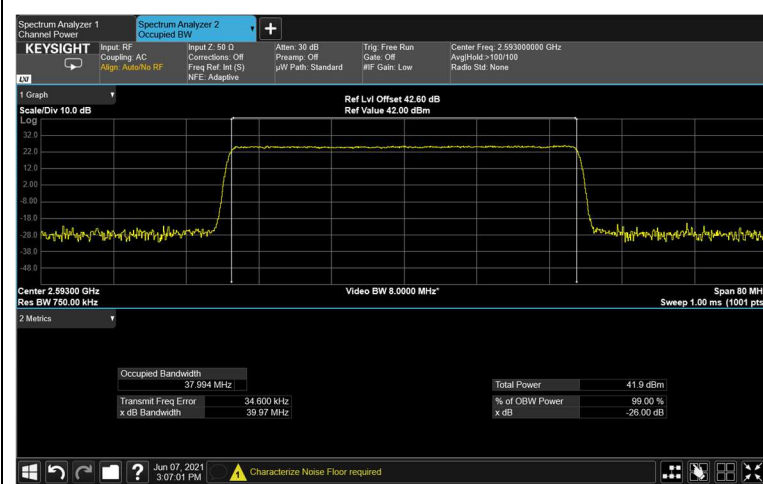


Figure 171: output 256QAM 40MHz B.W.; 2593.0MHz, 30kHz



Figure 172: output 256QAM 40MHz B.W.; 2593.0MHz, 60kHz





Figure 176: output 256QAM 60MHz B.W.; 2526.0MHz, 30kHz



Figure 177: output 256QAM 60MHz B.W.; 2526.0MHz, 60kHz



Figure 178: output 256QAM 60MHz B.W.; 2593.0MHz, 30kHz



Figure 179: output 256QAM 60MHz B.W.; 2593.0MHz, 60kHz



Figure 180: output 256QAM 60MHz B.W.; 2660.0MHz, 30kHz



Figure 181: output 256QAM 60MHz B.W.; 2660.0MHz, 60kHz

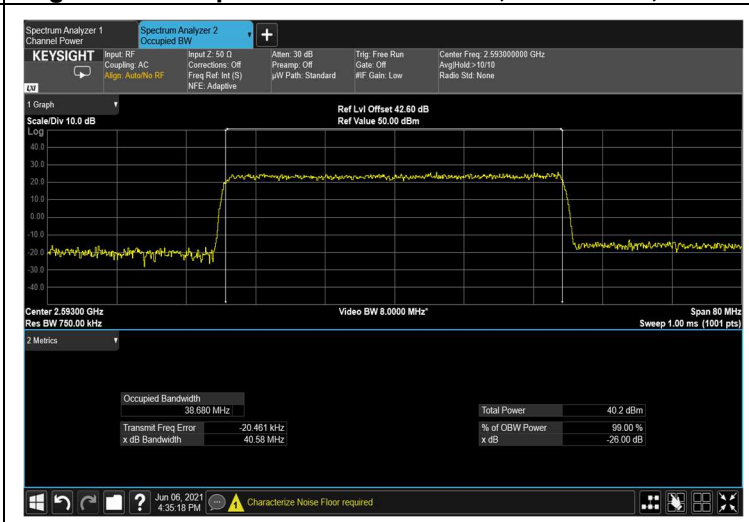
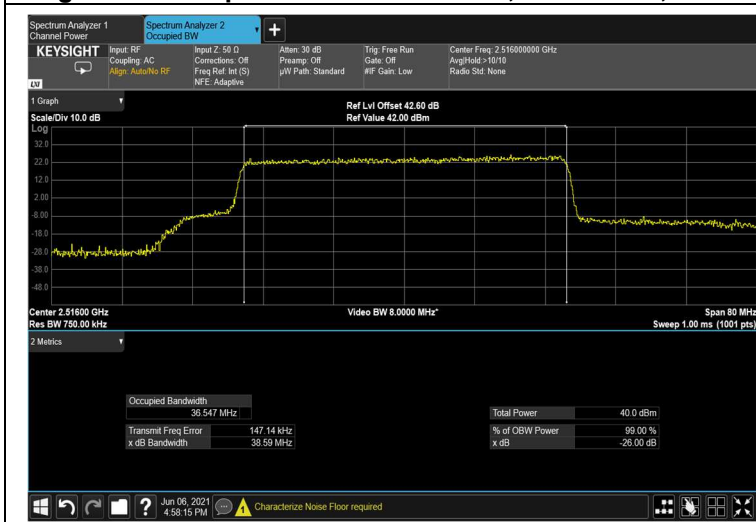
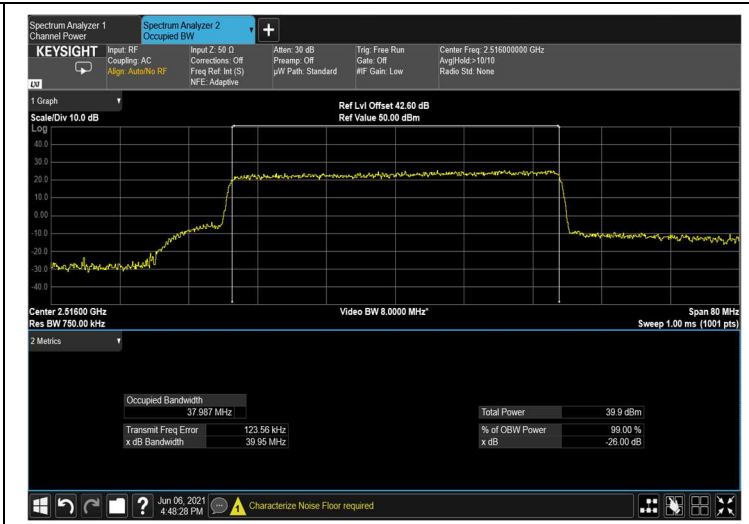




Figure 188: output QPSK 40MHz B.W.; 2670.0MHz, 15kHz

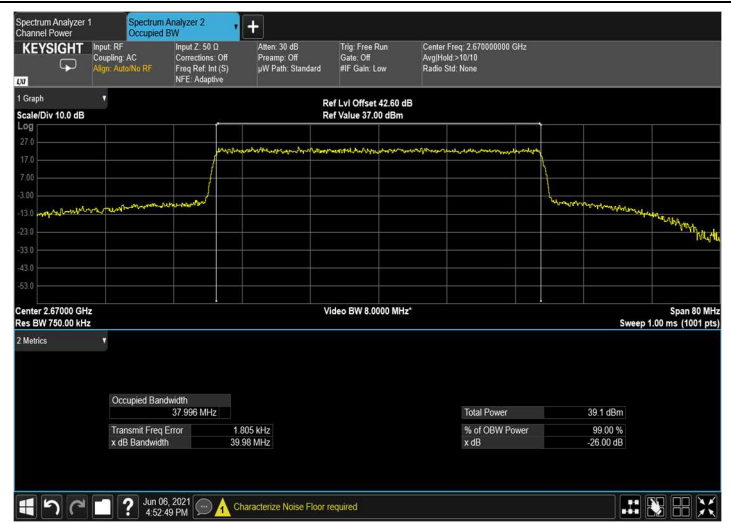


Figure 189: output QPSK 40MHz B.W.; 2670.0MHz, 30kHz

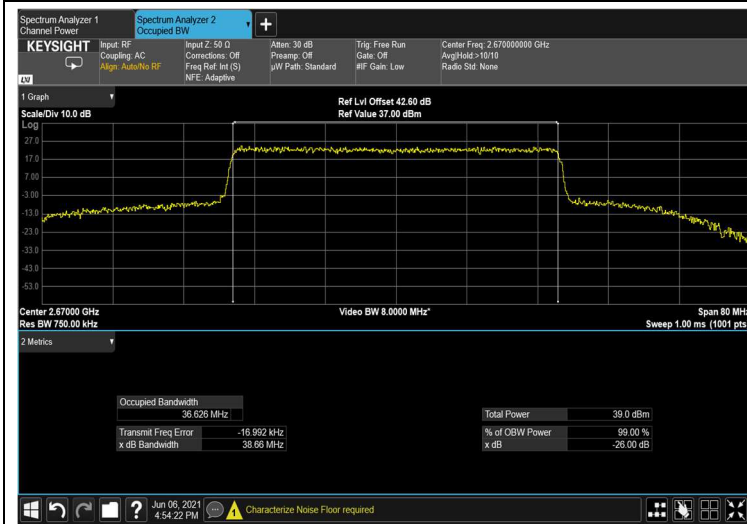


Figure 190: output QPSK 40MHz B.W.; 2670.0MHz, 60kHz



Figure 191: output QPSK 60MHz B.W.; 2526.0MHz, 30kHz



Figure 192: output QPSK 60MHz B.W.; 2526.0MHz, 60kHz



Figure 193: output QPSK 60MHz B.W.; 2593.0MHz, 30kHz



Figure 194: output QPSK 60MHz B.W.; 2593.0MHz, 60kHz



Figure 195: output QPSK 60MHz B.W.; 2660.0MHz, 30kHz



Figure 196: output QPSK 60MHz B.W.; 2660.0MHz, 60kHz

4G

Bandwidth (MHz)	Modulation	Operation Frequency	Reading
		(MHz)	(MHz)
20 INPUT	16QAM	2506	18.070
		2593	17.992
		2680	18.019
	64QAM	2506	17.975
		2593	17.976
		2680	18.020
	QPSK	2506	17.963
		2593	17.956
		2680	18.002

Table 15 Occupied Bandwidth 16QAM/64QAM/QPSK Input

Bandwidth (MHz)	Modulation	Operation Frequency	Reading
		(MHz)	(MHz)
20 OUTPUT	16QAM	2506	17.883
		2593	17.869
		2680	17.861
	64QAM	2506	17.893
		2593	17.896
		2680	17.885
	QPSK	2506	17.882
		2593	17.907
		2680	17.896

Table 16 Occupied Bandwidth 16QAM/64QAM/QPSK Output



Figure 197: 16QAM 20MHz B.W.; 2506.0MHz OUTPUT



Figure 198: 16QAM 20MHz B.W.; 2593.0MHz OUTPUT



Figure 199: 16QAM 20MHz B.W.; 2680.0MHz OUTPUT



Figure 200: 64QAM 20MHz B.W.; 2506.0MHz OUTPUT



Figure 201: 64QAM 20MHz B.W.; 2593.0MHz OUTPUT



Figure 202: 64QAM 20MHz B.W.; 2680.0MHz OUTPUT