6 Peak to Average Power Ratio

6.1 Test Specification

FCC Part 27, Subpart C, Section 50

6.2 Test Procedure

(Temperature (20°C)/ Humidity (40%RH))

The method used is detailed in FCC KDB 971168 D03 v01

Measurements was using CCDF function for each modulation.

6.3 Test Limit

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

6.4 Test Results

JUDGEMENT: Passed

For additional information see Table 11 to Table 14 and Figure 168 to Figure 263.

Modulation	Bandwidth	Sub Carrier	Operation Frequency	0.1% PAPR	Limit
	(MHz)	(kHz)	(MHz)	(dB)	(dB)
16QAM	5	15	619.5	8.49	13
		30		8.48	
		15	634.5	8.65	
		30		8.61	
		15	649.5	8.75	
		30		8.56	
	10	15	622.0	8.57	
		30		8.60	
		15	634.5	8.59	
		30		8.64	
		15	647.0	8.63	
		30		8.56	
	15	15	624.5	8.95	
		30		8.59	
		15	634.5	8.99	
		30		8.60	
		15	644.5	8.99	
		30		8.56	
	20	15	627.0	8.58	
		30		8.37	
		15	634.5	8.59	
		30		8.42	
		15	642.0	8.51	
		30		8.28	

Table 11 Test Results Peak to Average Power Ratio 16 QAM

Modulation	Bandwidth	Sub Carrier	Operation Frequency	0.1% PAPR	Limit
	(MHz)	(kHz)	(MHz)	(dB)	(dB)
64QAM	5	15	619.5	8.30	13
		30		8.09	
		15	634.5	8.47	
		30		8.19	
		15	649.5	8.47	
		30		8.08	
	10	15	622.0	8.31	
		30		8.33	
		15	634.5	8.30	
		30		8.45	
		15	647.0	8.19	
		30		8.57	
	15	15	624.5	8.17	
		30		8.40	
		15	634.5	8.24	
		30		8.46	
		15	644.5	8.29	
		30		8.44	
	20	15	627.0	8.37	
		30		8.37	
		15	634.5	8.39	
		30		8.40	
		15	642.0	8.45	
		30		8.28	

Table 12 Test Results Peak to Average Power Ratio 64 QAM

Modulation	Bandwidth	Sub Carrier	Operation Frequency	0.1% PAPR	Limit
	(MHz)	(kHz)	(MHz)	(dB)	(dB)
256QAM	5	15	619.5	8.44	13
		30		8.42	
		15	634.5	8.58	
		30		8.56	
		15	649.5	8.56	
		30		8.64	
	10	15	622.0	8.53	
		30		8.39	
		15	634.5	8.60	
		30		8.47	
		15	647.0	8.43	
		30		8.47	
	15	15	624.5	8.46	
		30		8.36	
		15	634.5	8.53	
		30		8.46	
		15	644.5	8.55	
		30		8.50	
	20	15	627.0	8.38	
		30		8.42	
		15	634.5	8.32	
		30		8.39	
		15	642.0	8.35	
		30		8.36	

Table 13 Test Results Peak to Average Power Ratio 256 QAM

Modulation	Bandwidth	Sub Carrier	Operation Frequency	0.1% PAPR	Limit
	(MHz)	(kHz)	(MHz)	(dB)	(dB)
QPSK	5	15	619.5	8.18	13
		30		8.72	
		15	634.5	8.27	
		30		8.88	
		15	649.5	8.25	
		30		8.86	
	10	15	622.0	8.41	
		30		8.45	
		15	634.5	8.51	
		30		8.48	
		15	647.0	8.48	
		30		8.43	
	15	15	624.5	8.47	
		30		8.47	
		15	634.5	8.40	
		30		8.49	
		15	644.5	8.46	
		30		8.69	
	20	15	627.0	8.37	
		30		8.23	
		15	634.5	8.45	
		30		8.34	
		15	642.0	8.47	
		30		8.43	

Table 14 Test Results Peak to Average Power Ratio QPSK

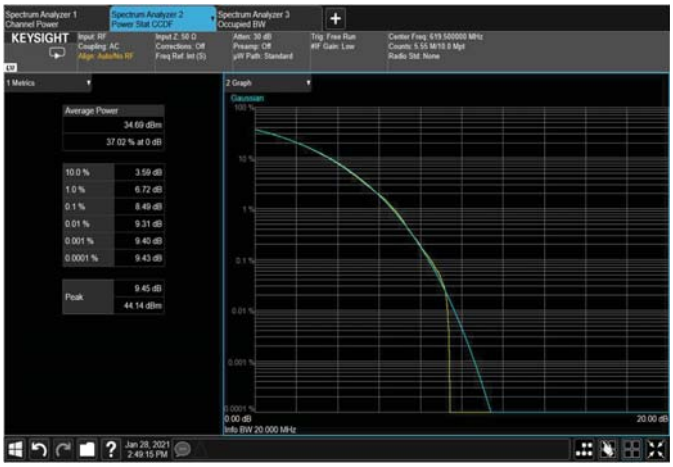

Figure 168: 16QAM 5MHz B.W; 619.5MHz, 15kHz

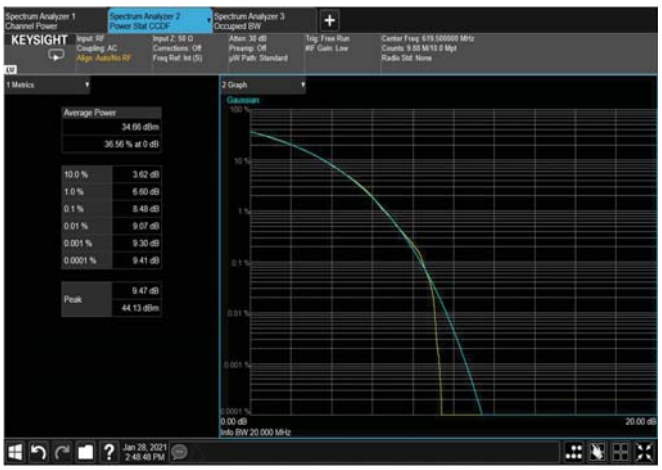

Figure 169: 16QAM 5MHz B.W; 619.5MHz, 30kHz

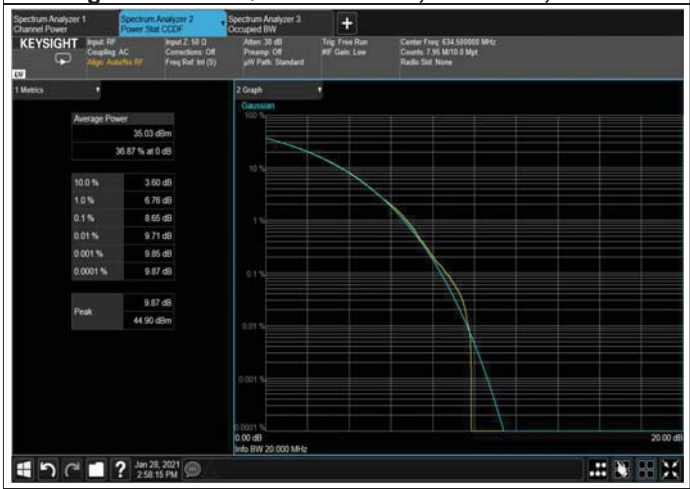

Figure 170: 16QAM 5MHz B.W; 634.5MHz, 15kHz

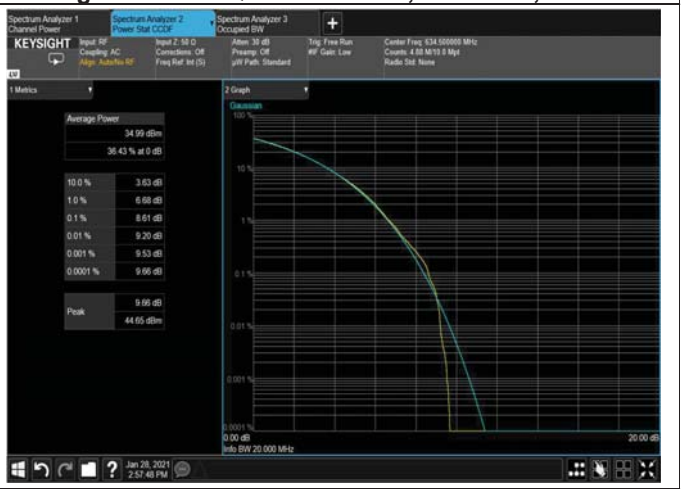

Figure 171: 16QAM 5MHz B.W; 634.5MHz, 30kHz

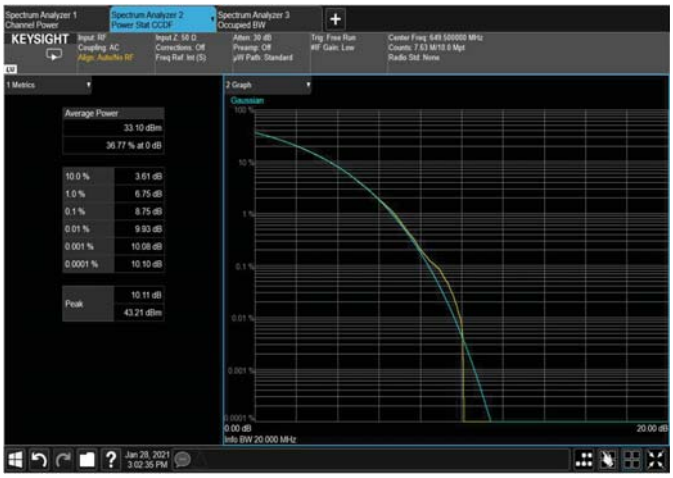

Figure 172: 16QAM 5MHz B.W; 649.5MHz, 15kHz

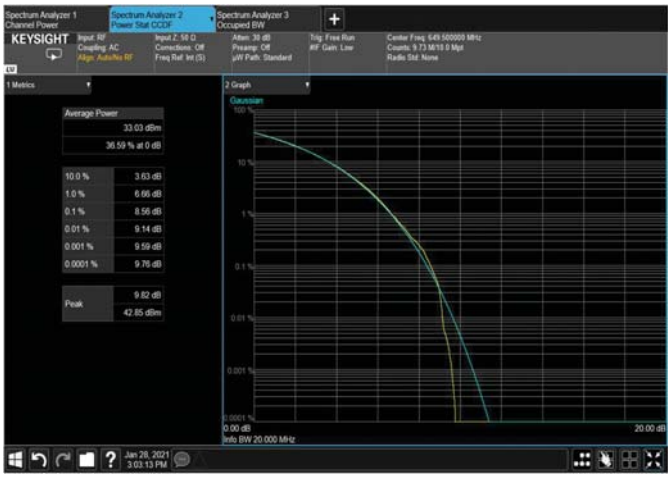

Figure 173: 16QAM 5MHz B.W; 649.5MHz, 30kHz

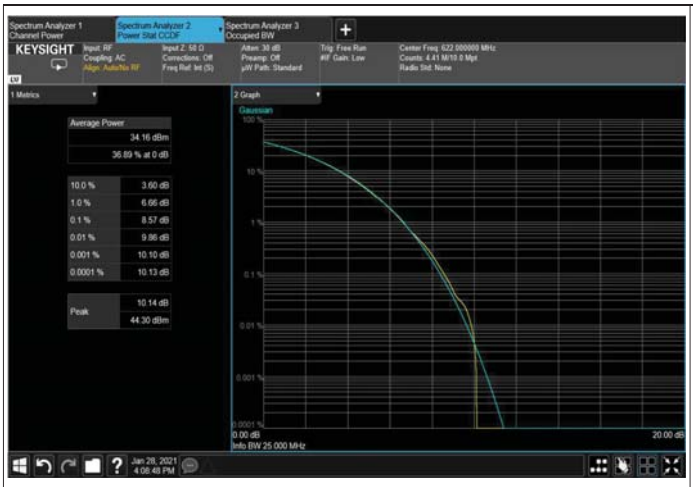

Figure 174: 16QAM 10MHz B.W; 622.0MHz, 15kHz

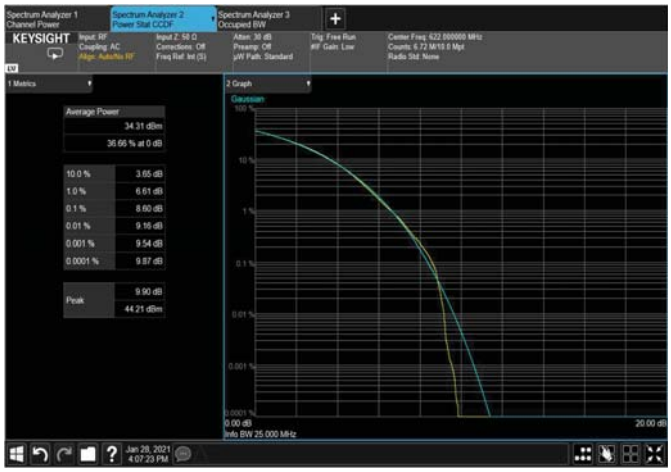

Figure 175: 16QAM 10MHz B.W; 622.0MHz, 30kHz

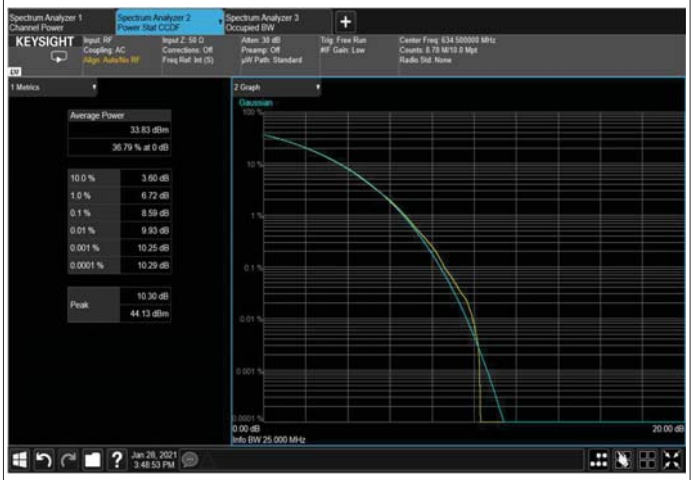

Figure 176: 16QAM 10MHz B.W; 634.5MHz, 15kHz

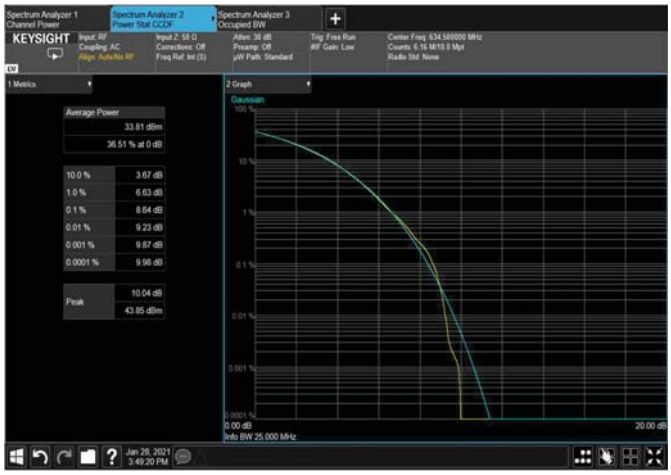

Figure 177: 16QAM 10MHz B.W; 634.5MHz, 30kHz

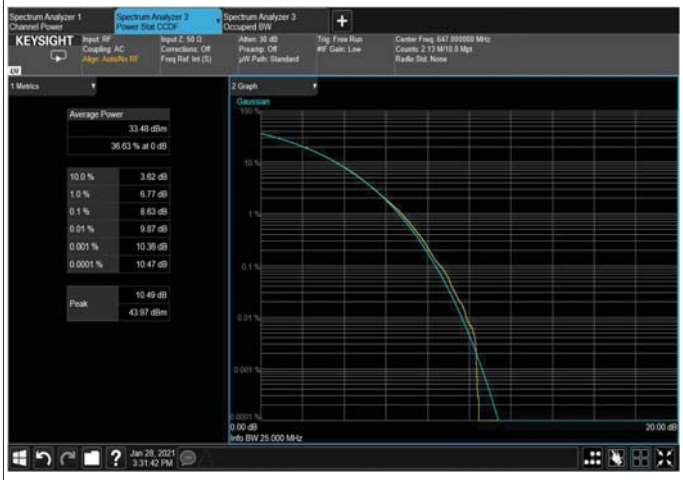

Figure 178: 16QAM 10MHz B.W; 647MHz, 15kHz

Figure 179: 16QAM 10MHz B.W; 647.0MHz, 30kHz

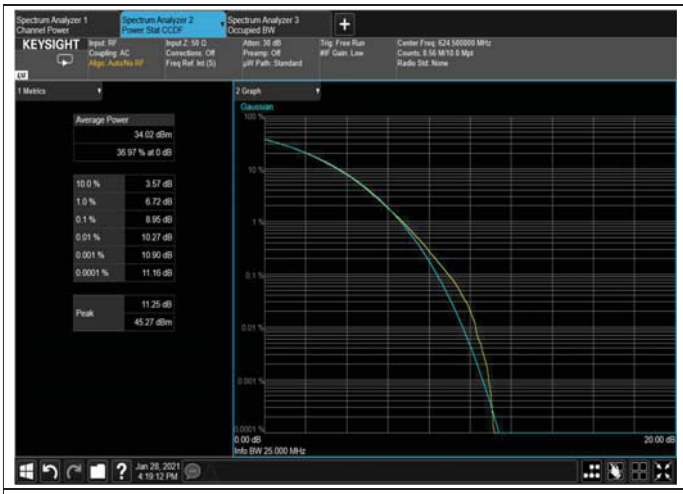

Figure 180: 16QAM 15MHz B.W; 624.5MHz, 15kHz

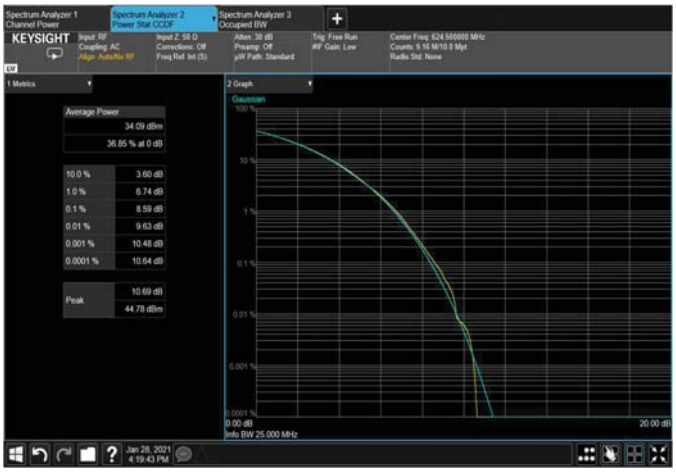

Figure 181: 16QAM 15MHz B.W; 624.5MHz, 30kHz

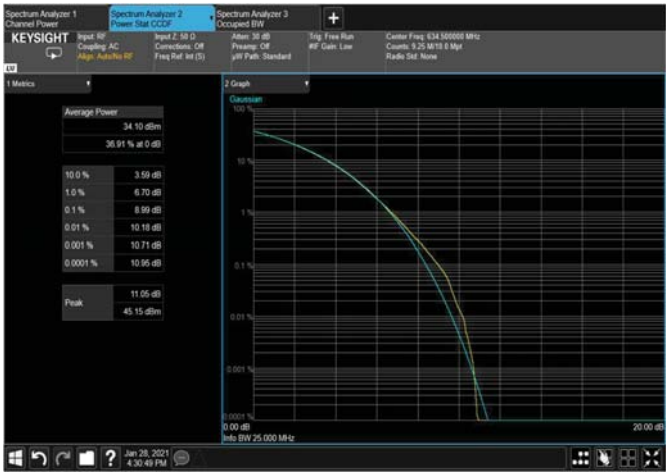

Figure 182: 16QAM 15MHz B.W; 634.5MHz, 15kHz

Figure 183: 16QAM 15MHz B.W; 634.5MHz, 30kHz

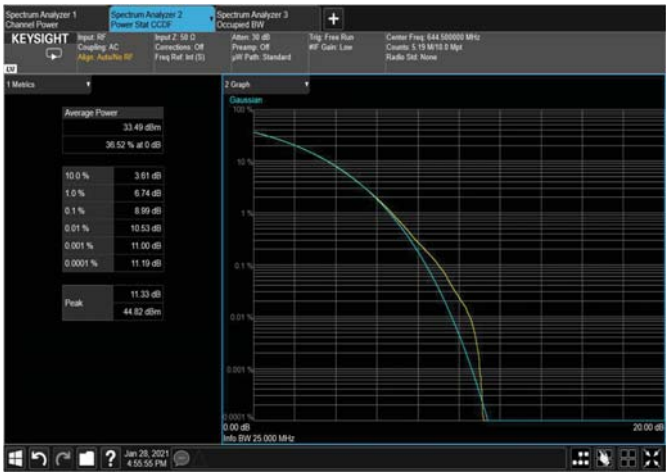

Figure 184: 16QAM 15MHz B.W; 644.5MHz, 15kHz

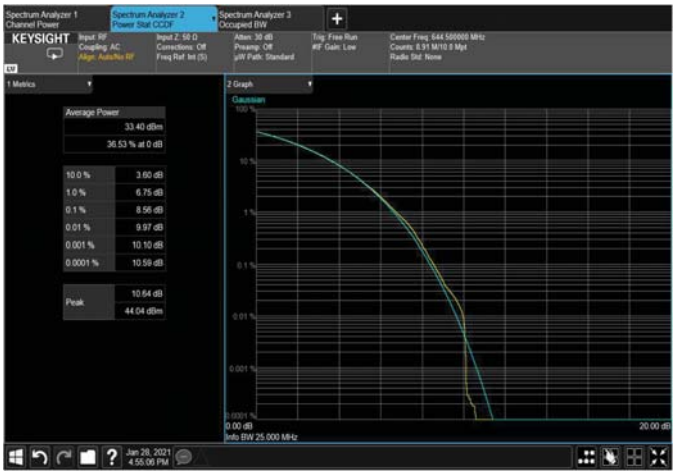

Figure 185: 16QAM 15MHz B.W; 644.5MHz, 30kHz

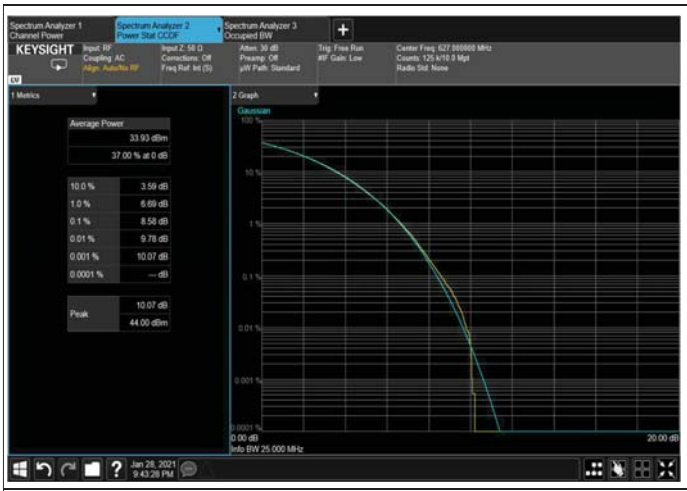

Figure 186: 16QAM 20MHz B.W; 627.0MHz, 15kHz

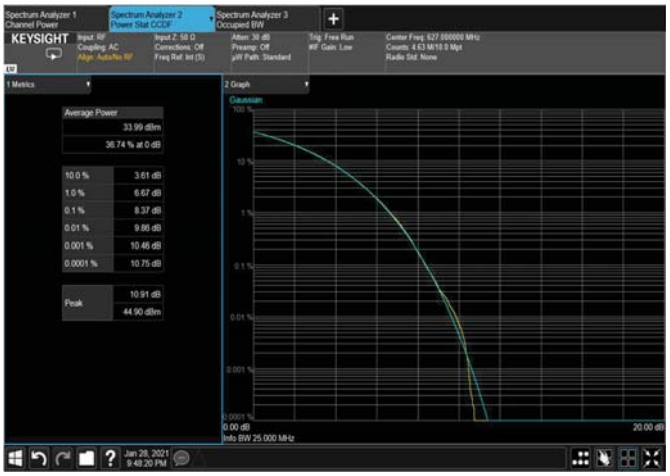

Figure 187: 16QAM 20MHz B.W; 627.0MHz, 30kHz

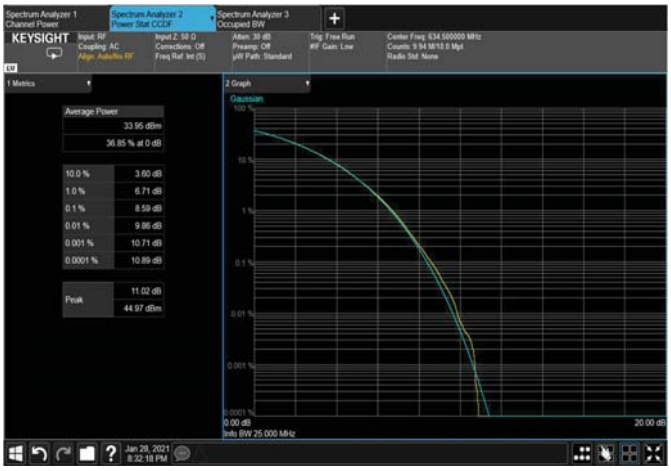

Figure 188: 16QAM 20MHz B.W; 634.5MHz, 15kHz

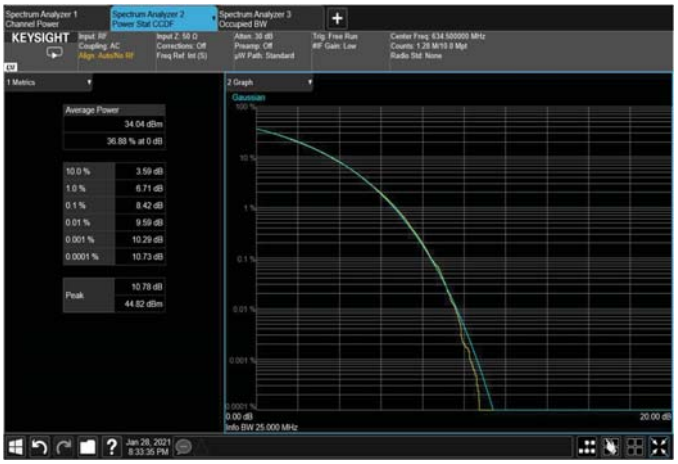

Figure 189: 16QAM 20MHz B.W; 634.5MHz, 30kHz

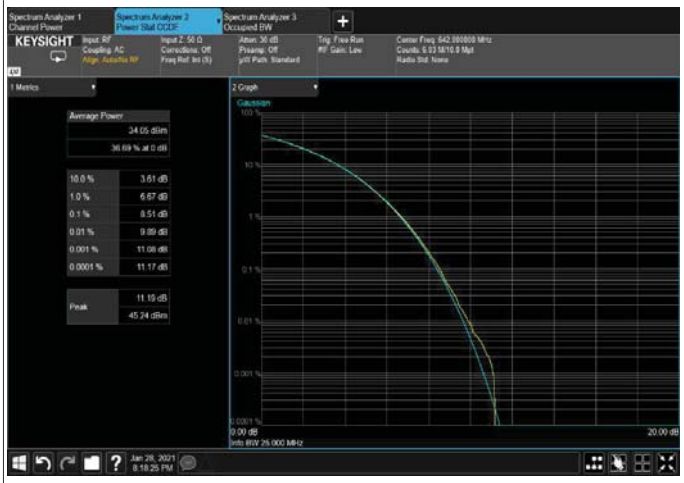

Figure 190: 16QAM 20MHz B.W; 642.0MHz, 15kHz

Figure 191: 16QAM 20MHz B.W; 642.0MHz, 30kHz

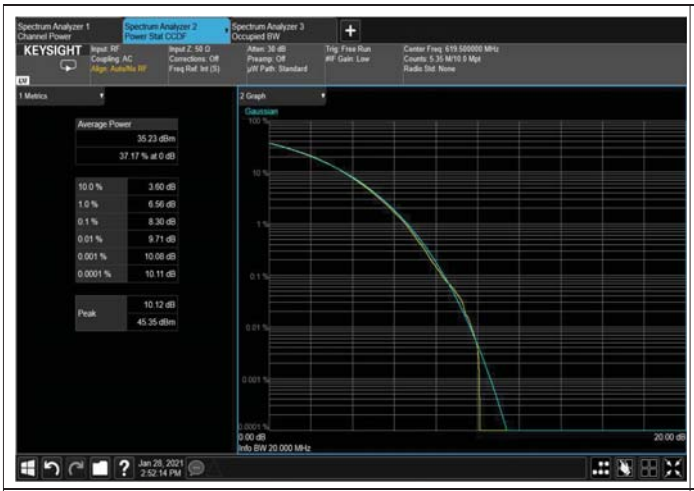

Figure 192: 64QAM 5MHz B.W; 619.5MHz, 15kHz

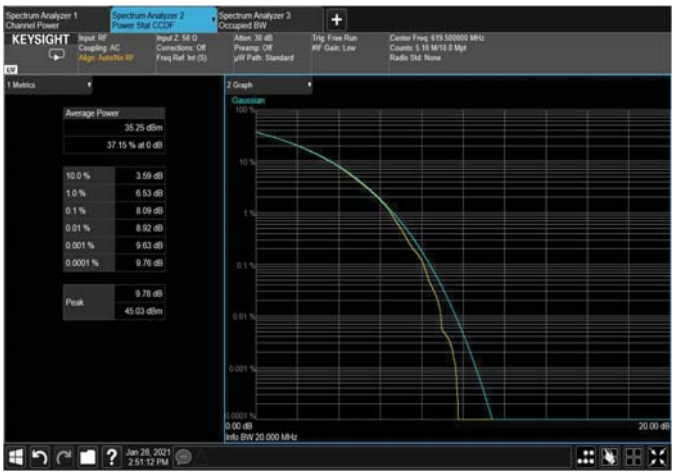

Figure 193: 64QAM 5MHz B.W; 619.5MHz, 30kHz

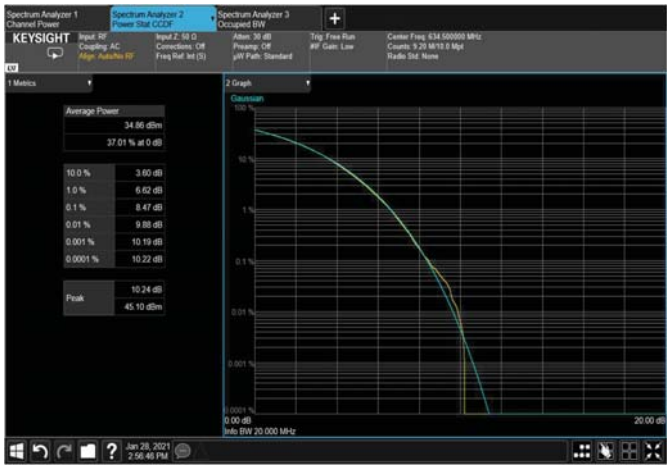

Figure 194: 64QAM 5MHz B.W; 634.5MHz, 15kHz

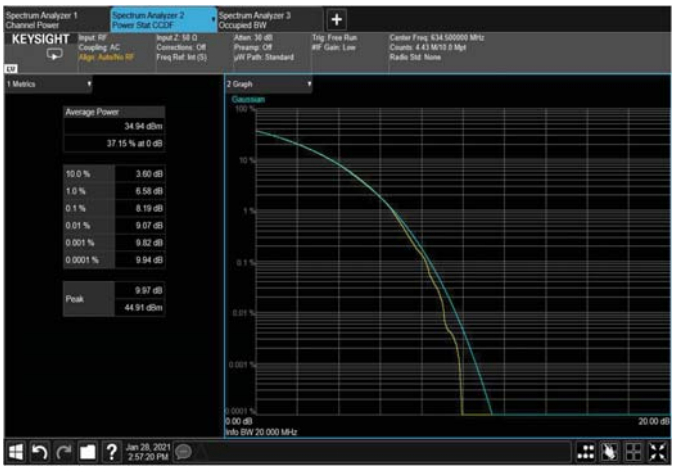

Figure 195: 64QAM 5MHz B.W; 634.5MHz, 30kHz

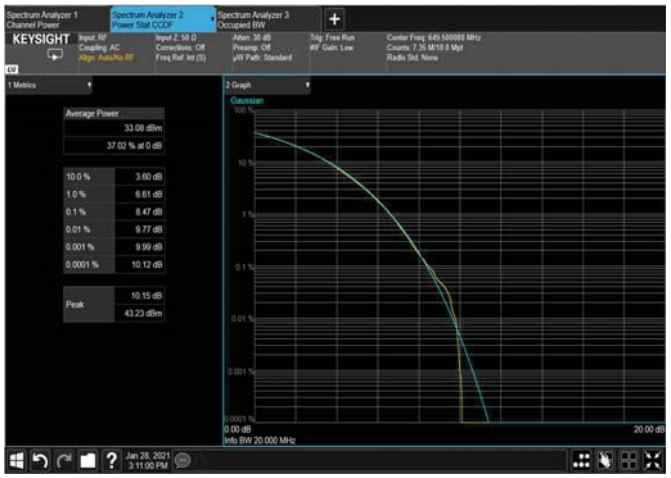

Figure 196: 64QAM 5MHz B.W; 649.5MHz, 15kHz

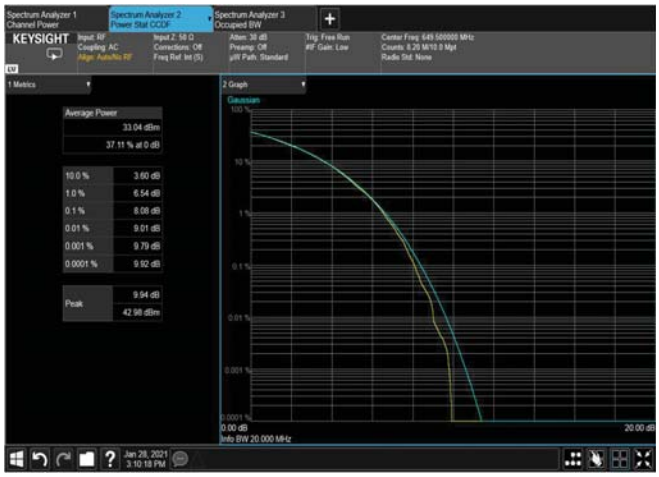

Figure 197: 64QAM 5MHz B.W; 649.5MHz, 30kHz

Figure 198: 64QAM 10MHz B.W; 622.0MHz, 15kHz

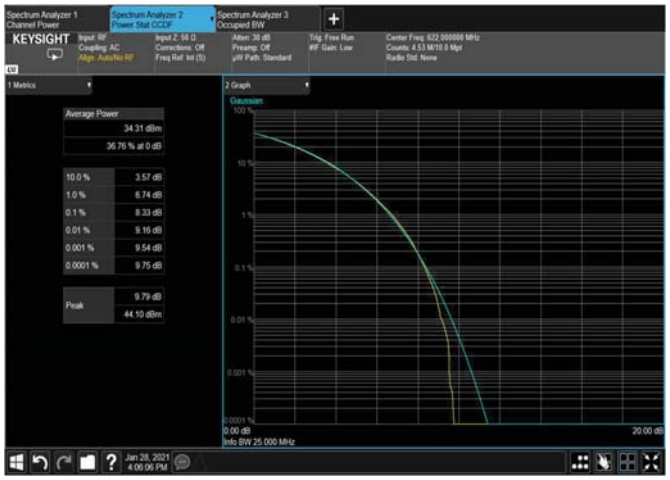

Figure 199: 64QAM 10MHz B.W; 622.0.5MHz, 30kHz

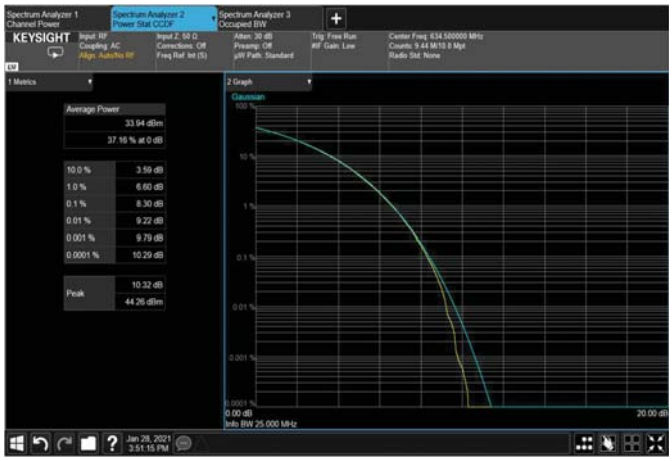

Figure 200: 64QAM 10MHz B.W; 634.5MHz, 15kHz

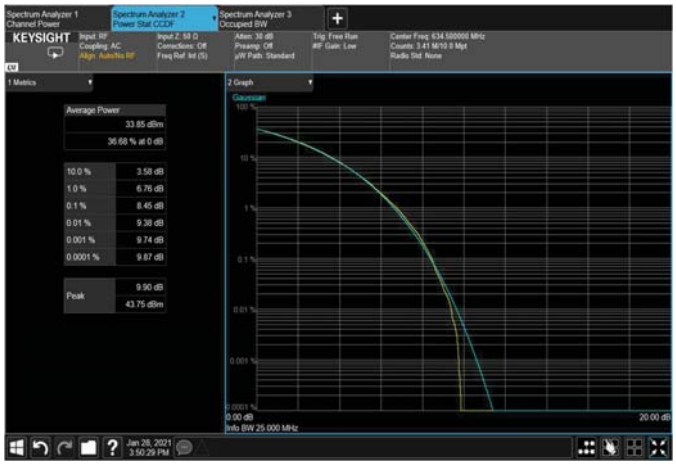

Figure 201: 64QAM 10MHz B.W; 634.5MHz, 30kHz

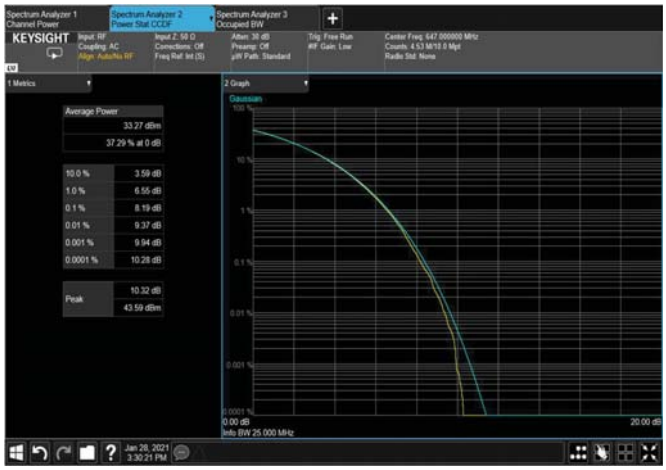

Figure 202: 64QAM 10MHz B.W; 647.0MHz, 15kHz

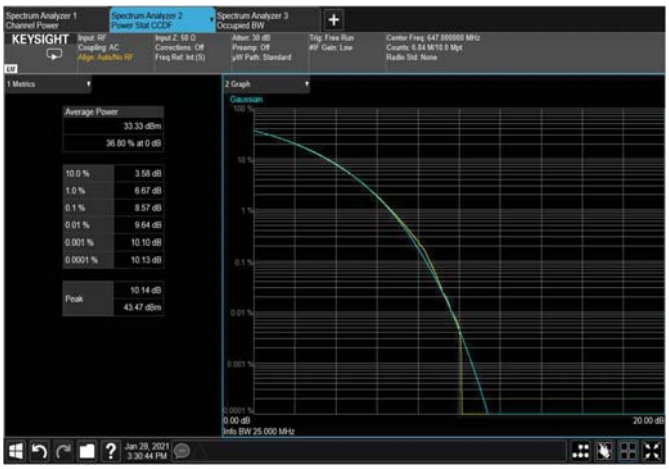

Figure 203: 64QAM 10MHz B.W; 647.0MHz, 30kHz

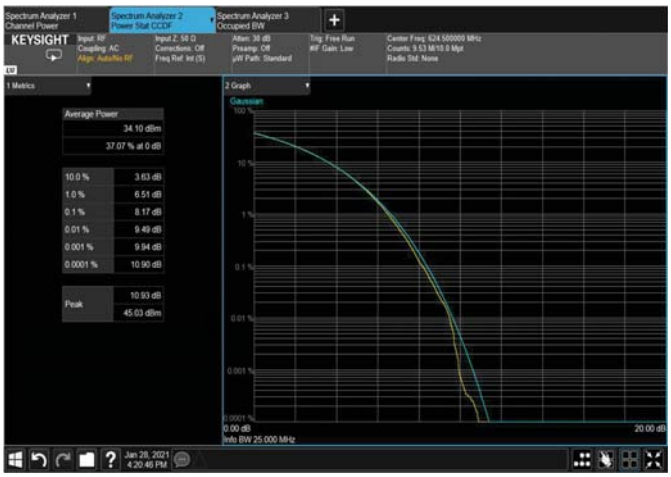

Figure 204: 64QAM 15MHz B.W; 624.5MHz, 15kHz

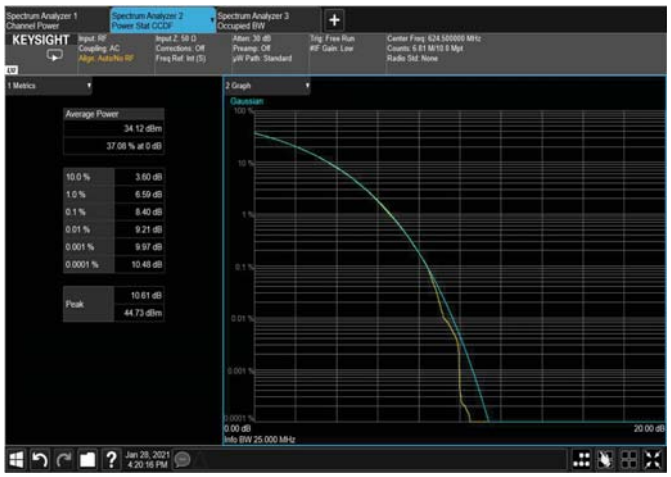

Figure 205: 64QAM 15MHz B.W; 624.5MHz, 30kHz

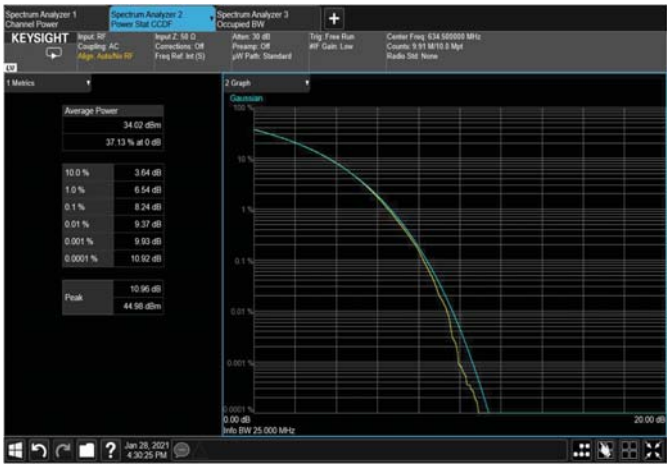

Figure 206: 64QAM 15MHz B.W; 634.5MHz, 15kHz

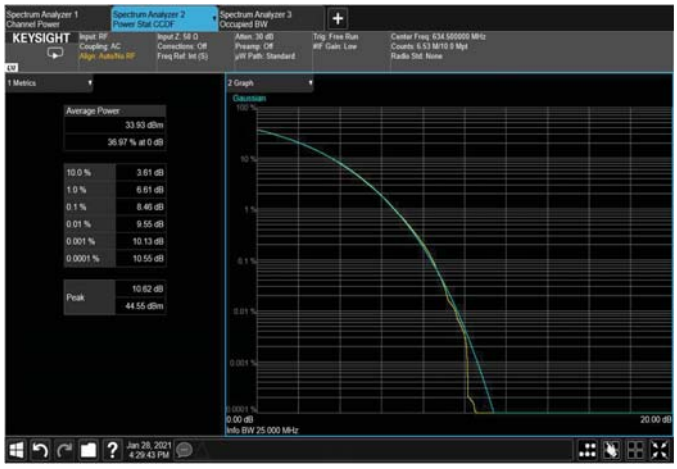

Figure 207: 64QAM 10MHz B.W; 634.5MHz, 30kHz

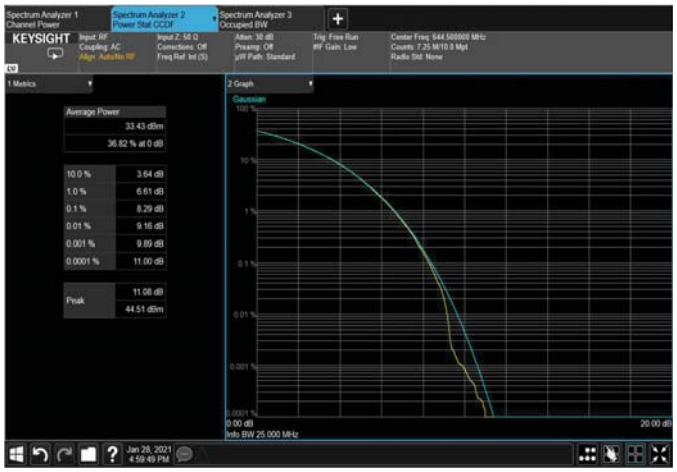

Figure 208: 64QAM 15MHz B.W; 644.5MHz, 15kHz

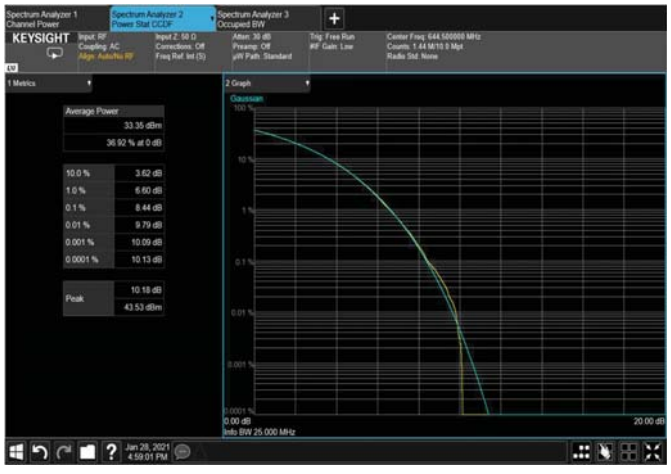

Figure 209: 64QAM 15MHz B.W; 644.5MHz, 30kHz

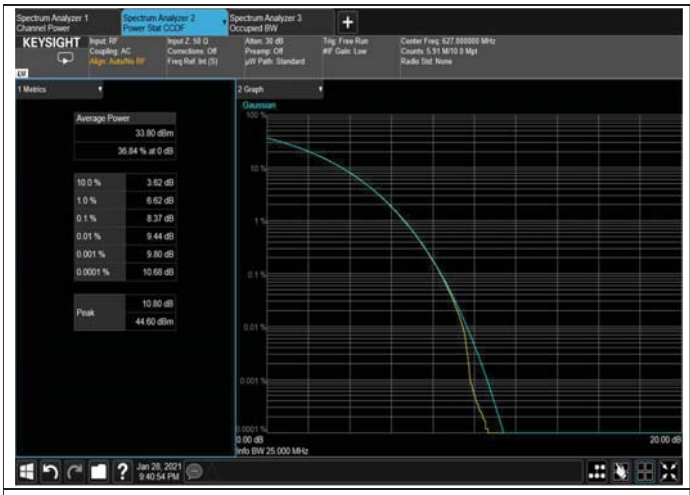

Figure 210: 64QAM 20MHz B.W; 627.0MHz, 15kHz

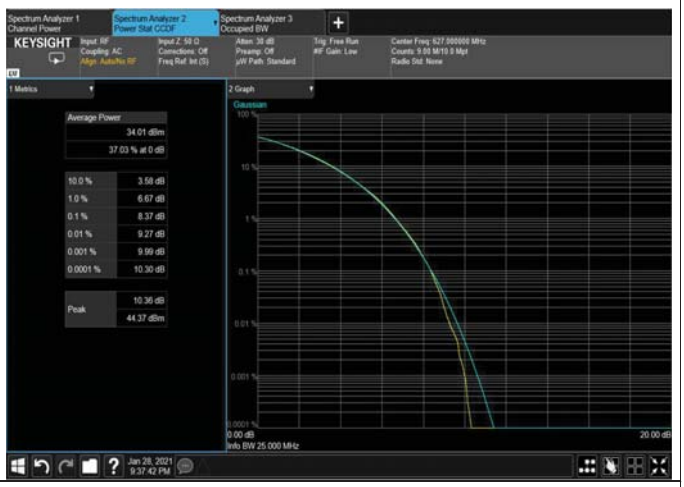

Figure 211: 64QAM 20MHz B.W; 627.0MHz, 30kHz

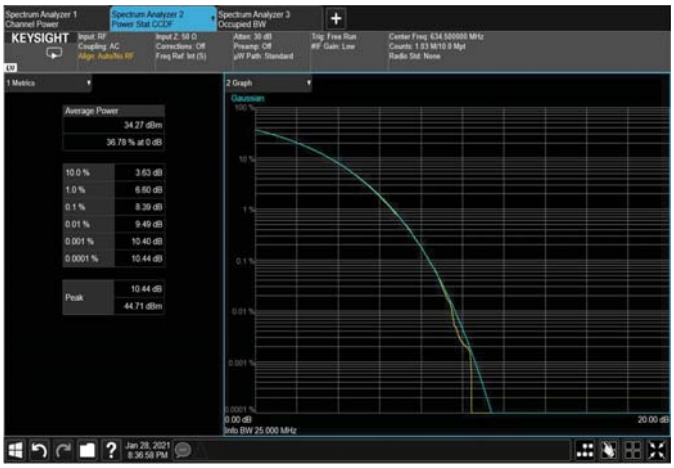

Figure 212: 64QAM 20MHz B.W; 634.5MHz, 15kHz

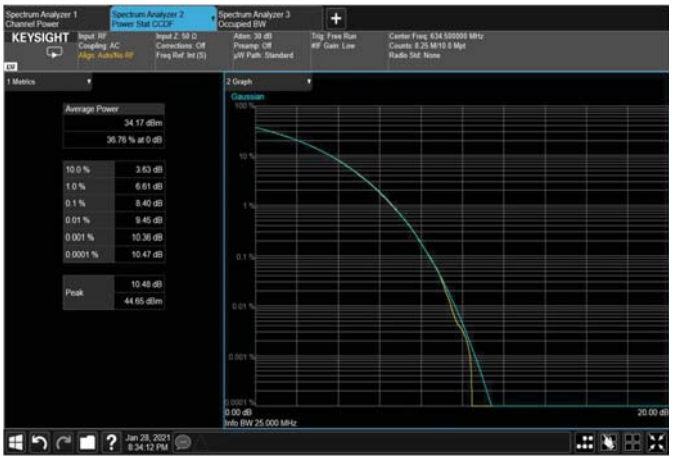

Figure 213: 64QAM 20MHz B.W; 634.5MHz, 30kHz

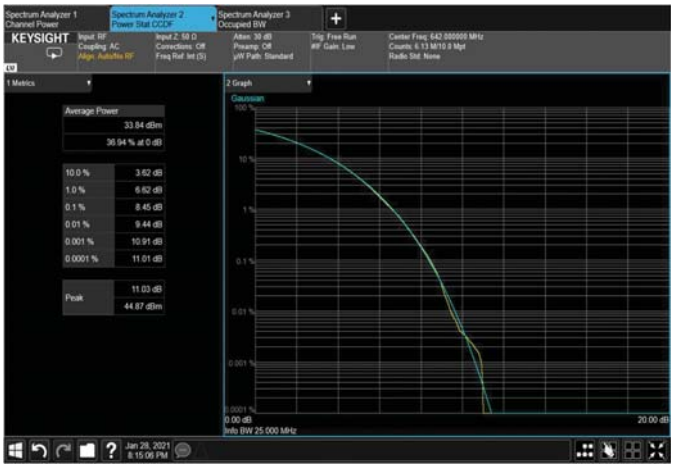

Figure 214: 64QAM 20MHz B.W; 642.0MHz, 15kHz

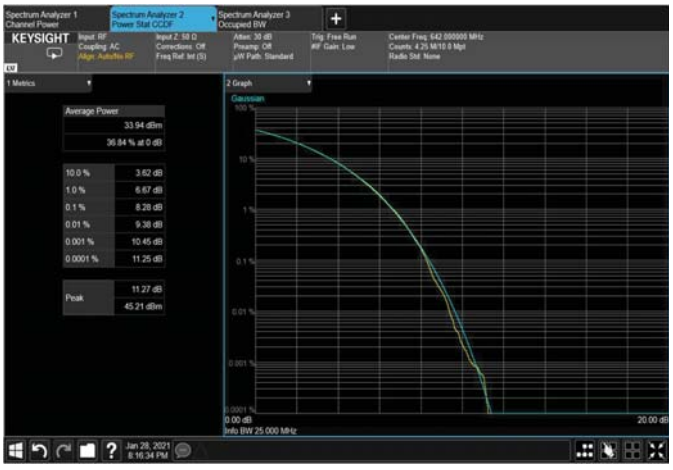

Figure 215: 64QAM 20MHz B.W; 642.0MHz, 30kHz

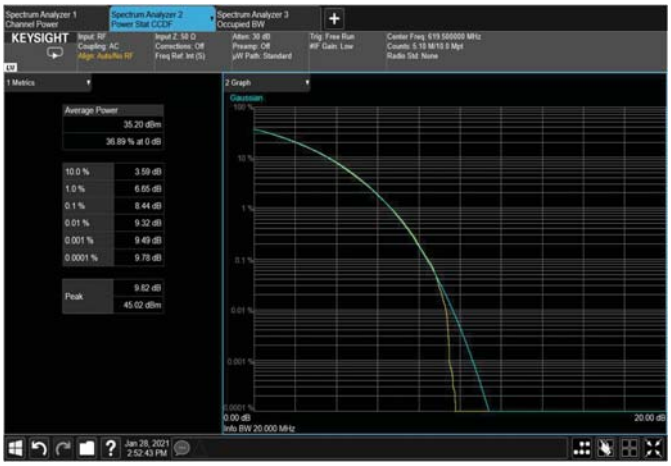

Figure 216: 64QAM 5MHz B.W; 619.5MHz, 15kHz

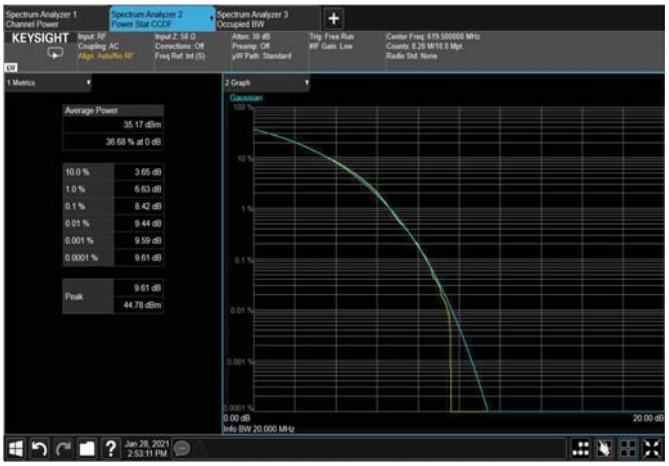

Figure 217: 256QAM 5MHz B.W; 619.5MHz, 30kHz

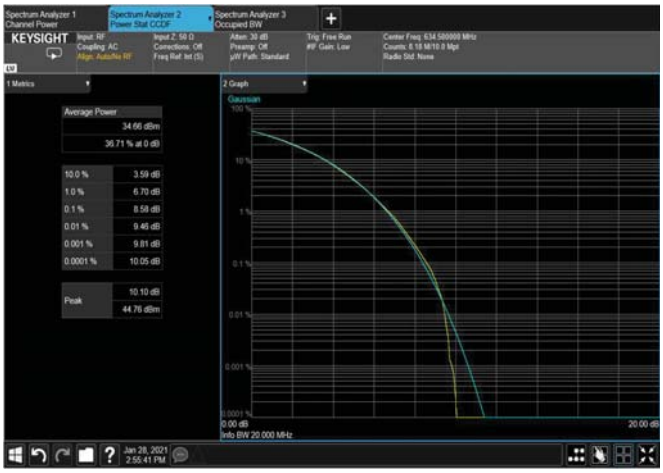

Figure 218: 256QAM 5MHz B.W; 634.5MHz, 15kHz

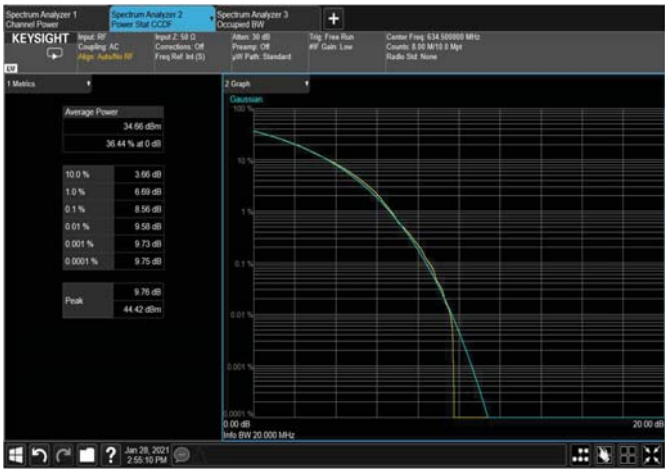

Figure 219: 256QAM 5MHz B.W; 634.5MHz, 30kHz

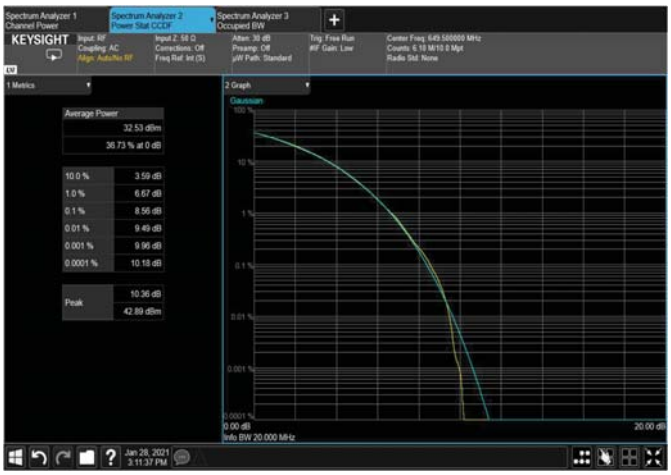

Figure 220: 256QAM 5MHz B.W; 649.5MHz, 15kHz

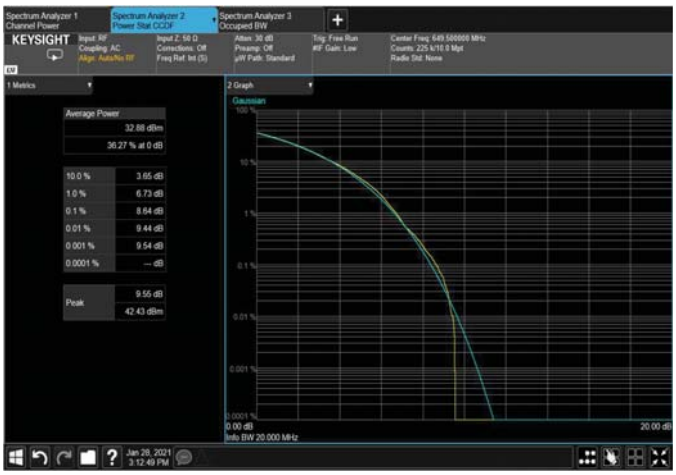

Figure 221: 256QAM 5MHz B.W; 649.5MHz, 30kHz

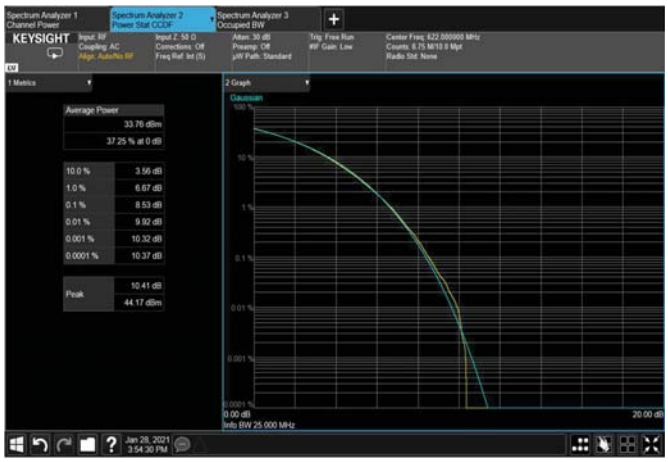

Figure 222: 256QAM 10MHz B.W; 622.0MHz, 15kHz

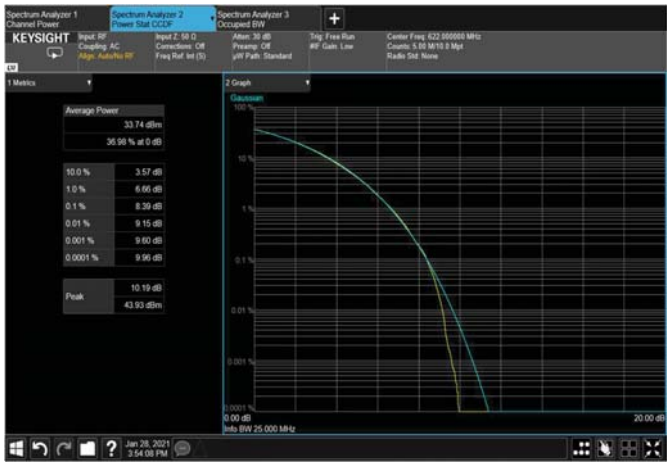

Figure 223: 256QAM 10MHz B.W; 622.0MHz, 30kHz

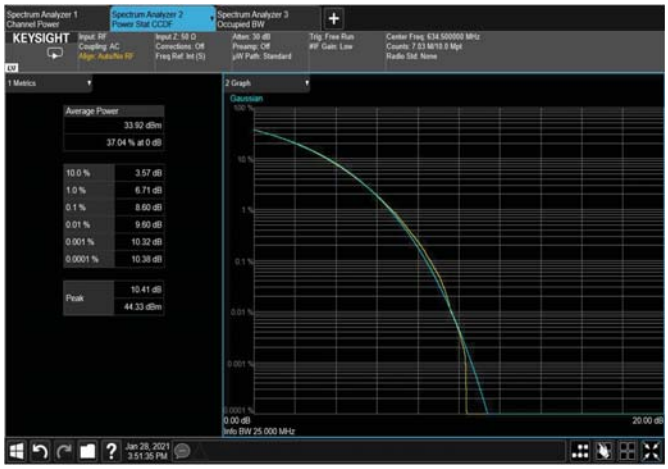

Figure 224: 256QAM 10MHz B.W; 634.5MHz, 15kHz

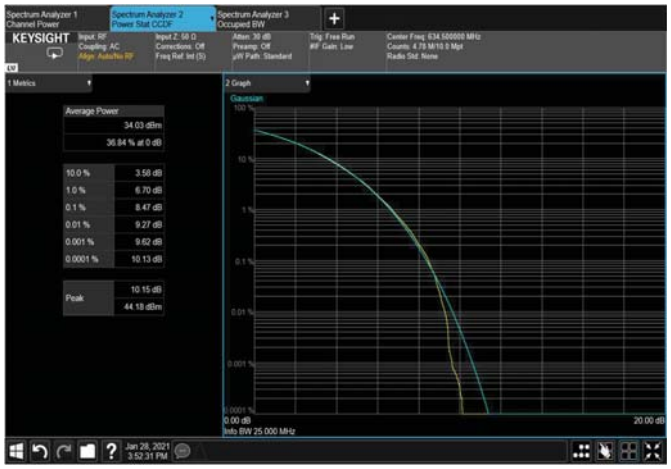

Figure 225: 256QAM 10MHz B.W; 634.5MHz, 30kHz

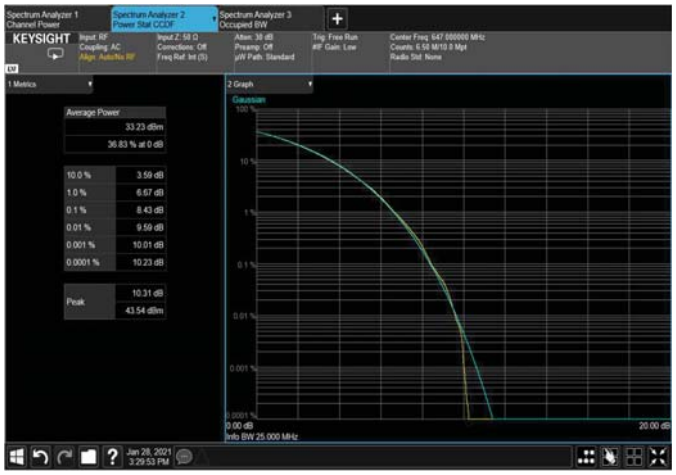

Figure 226: 256QAM 10MHz B.W; 647.0MHz, 15kHz

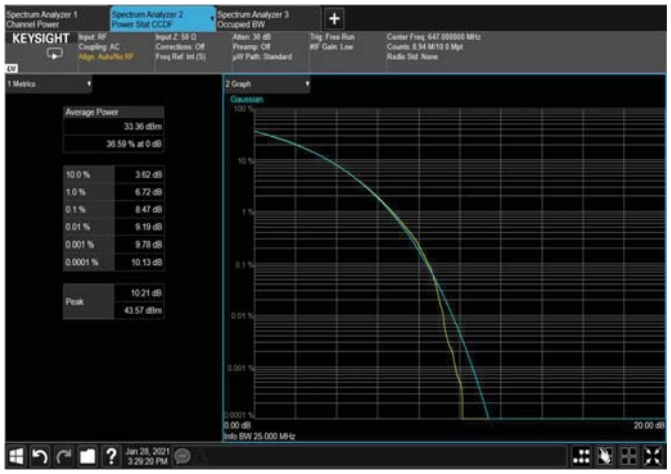

Figure 227: 256QAM 10MHz B.W; 647.0MHz, 30kHz

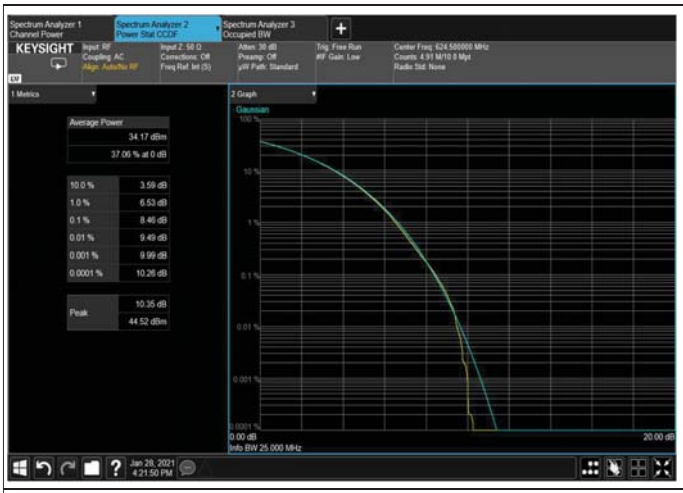

Figure 228: 256QAM 15MHz B.W; 624.5MHz, 15kHz

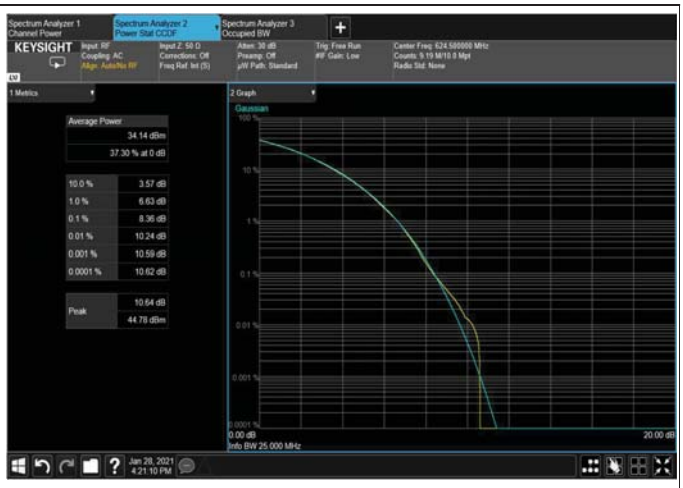

Figure 229: 256QAM 15MHz B.W; 624.5MHz, 30kHz

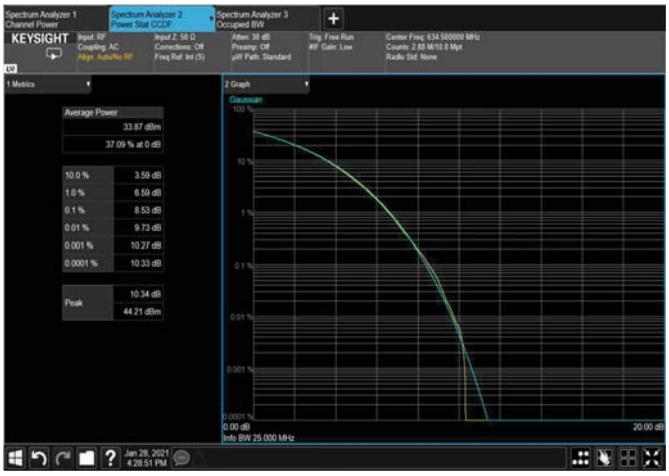

Figure 230: 256QAM 15MHz B.W; 634.5MHz, 15kHz

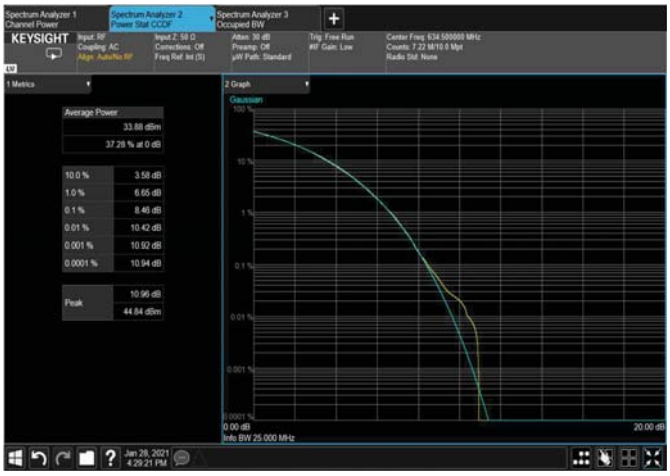

Figure 231: 256QAM 15MHz B.W; 634.5MHz, 30kHz

Figure 232: 256QAM 15MHz B.W; 644.5MHz, 15kHz

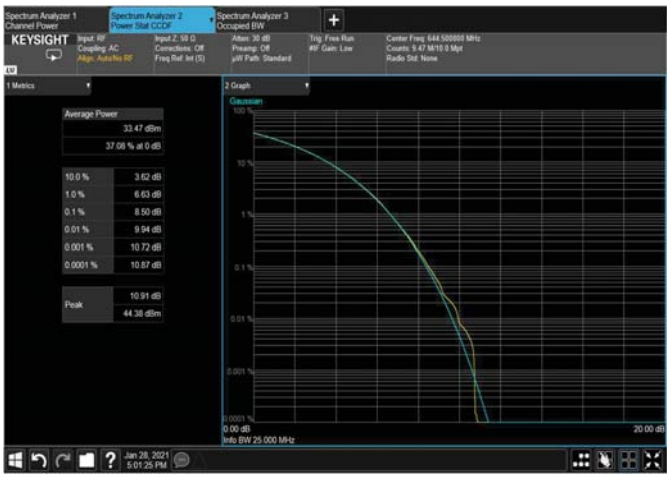

Figure 233: 256QAM 15MHz B.W; 644.5MHz, 30kHz

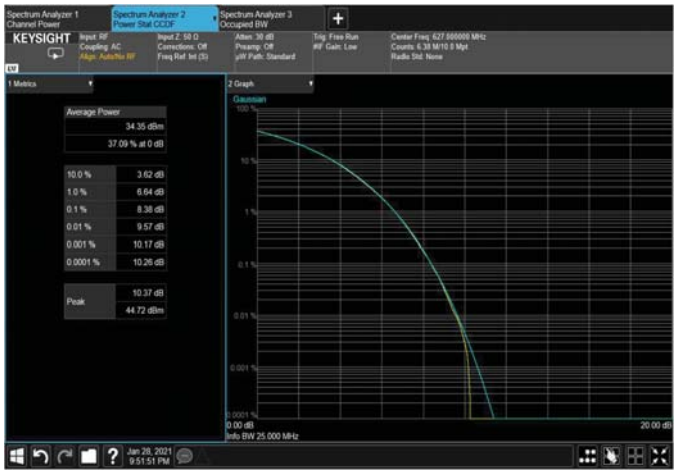

Figure 234: 256QAM 20MHz B.W; 627MHz, 15kHz

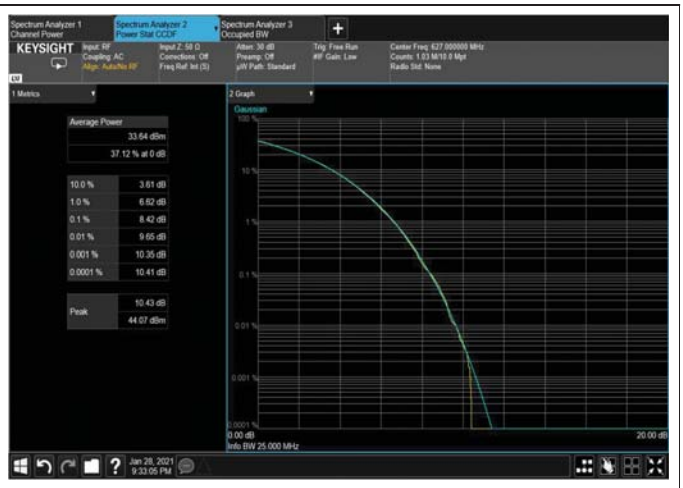

Figure 235: 256QAM 20MHz B.W; 627.0MHz, 30kHz

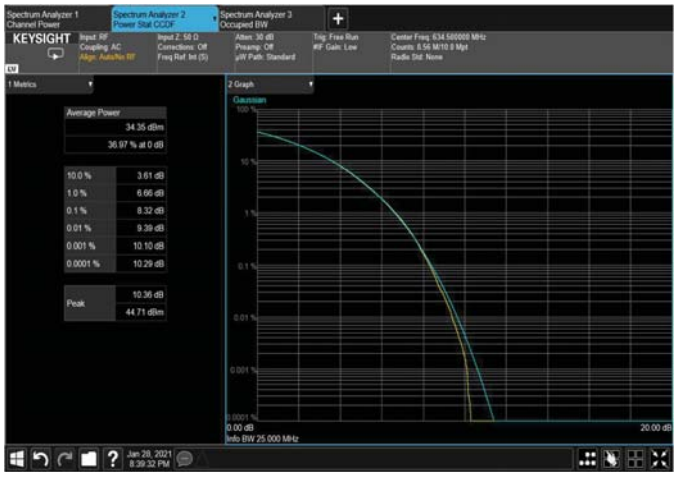

Figure 236: 256QAM 20MHz B.W; 634.5MHz, 15kHz

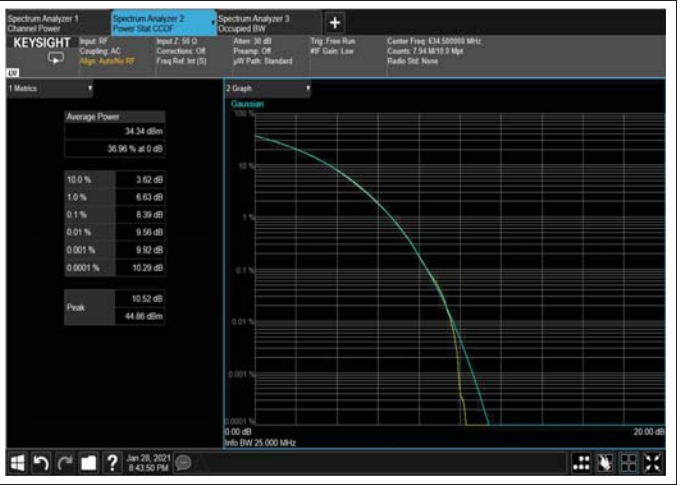

Figure 237: 256QAM 20MHz B.W; 642.0MHz, 30kHz

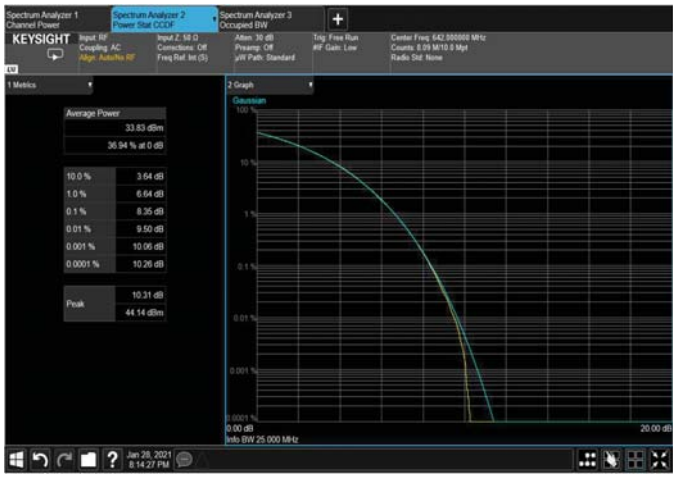

Figure 238: 256QAM 20MHz B.W; 642.0MHz, 15kHz

Figure 239: 256QAM 20MHz B.W; 642.0MHz, 30kHz

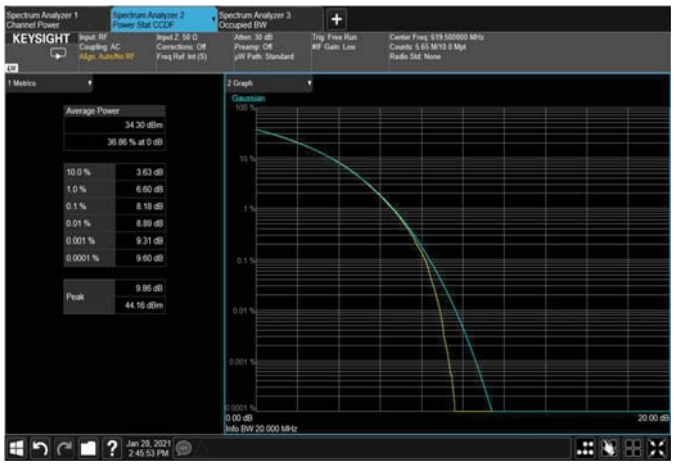

Figure 240: QPSK 5MHz B.W; 619.5MHz, 15kHz

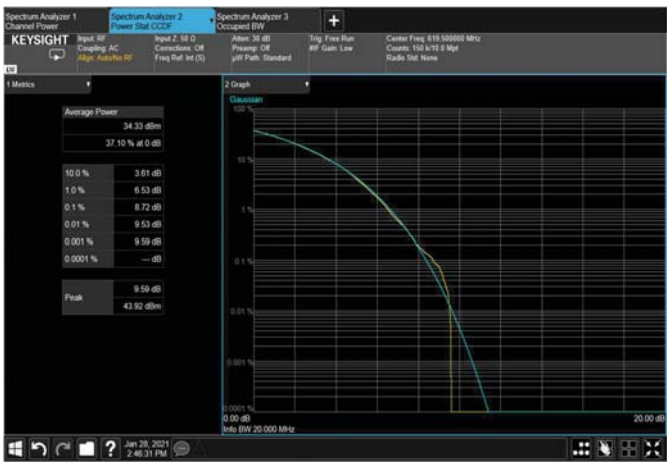

Figure 241: QPSK 5MHz B.W; 619.5MHz, 30kHz

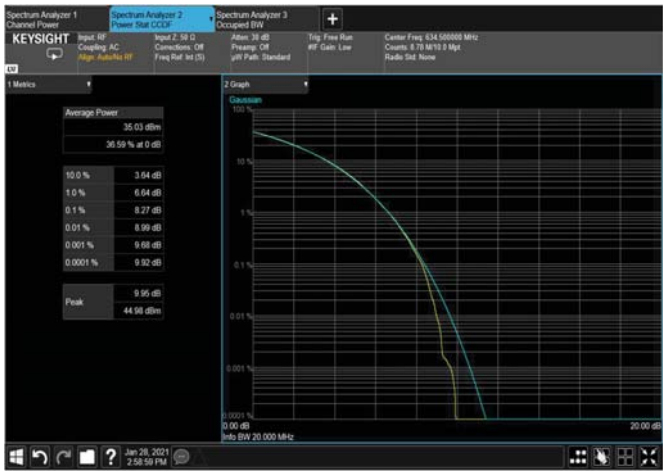

Figure 242: QPSK 5MHz B.W; 634.5MHz, 15kHz

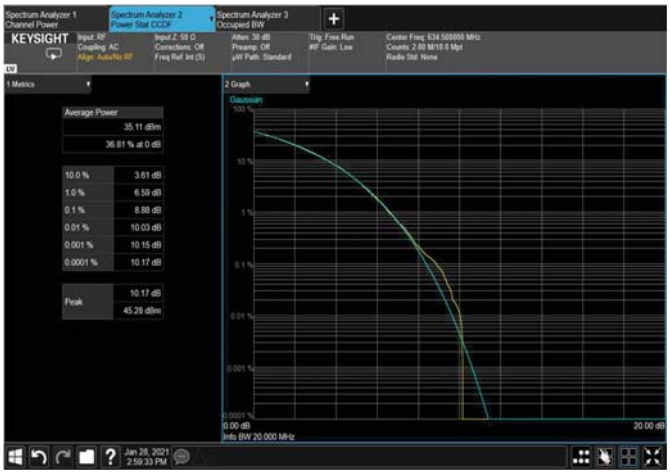

Figure 243: QPSK 5MHz B.W; 634.5MHz, 30kHz

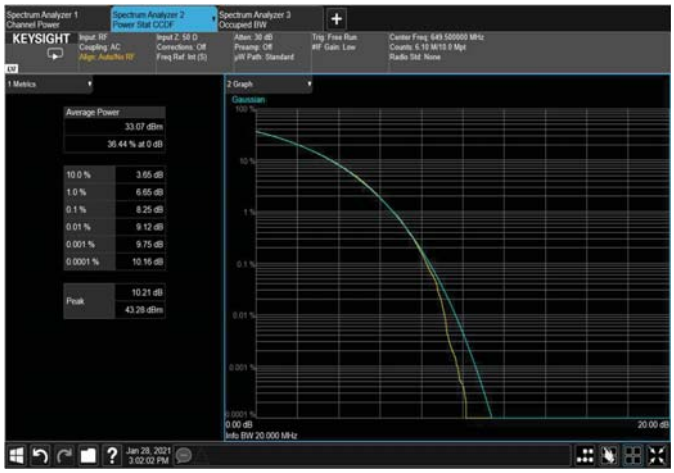

Figure 244: QPSK 5MHz B.W; 649.5MHz, 30kHz

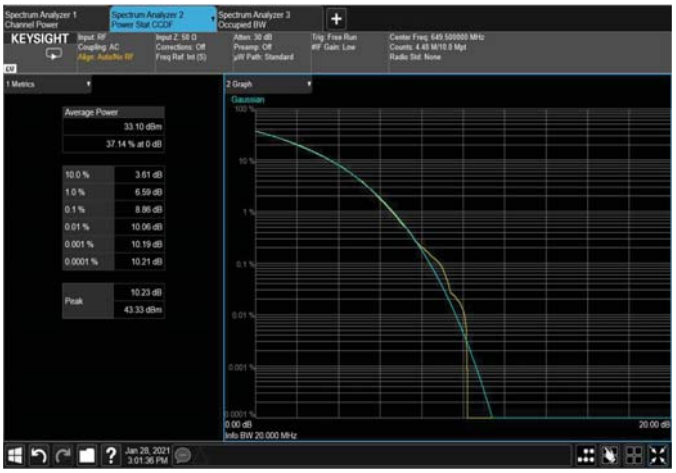

Figure 245: QPSK 5MHz B.W; 649.5MHz, 30kHz

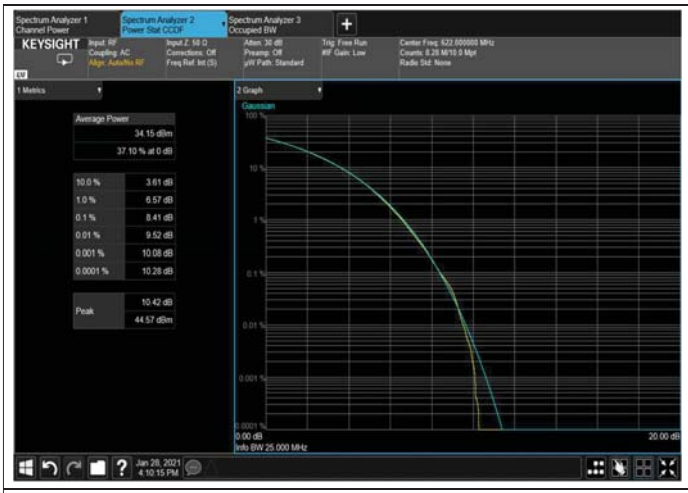

Figure 246: QPSK 10MHz B.W; 622.0MHz, 15kHz

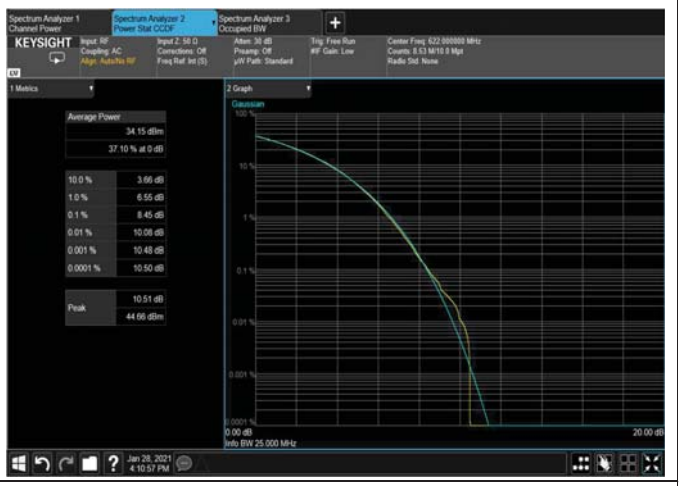

Figure 247: QPSK 10MHz B.W; 622MHz, 30kHz

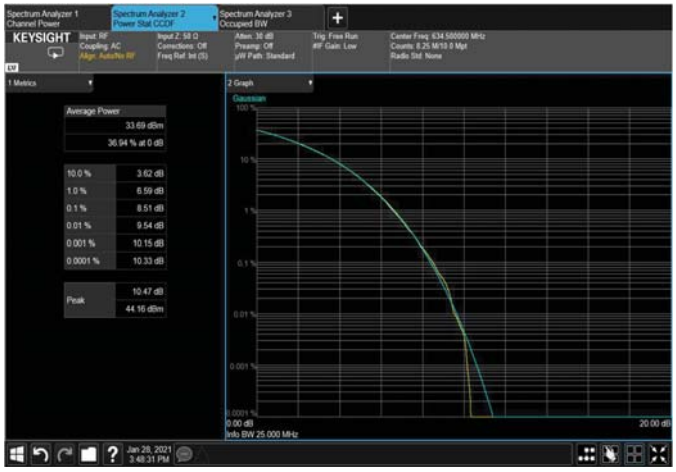

Figure 248: QPSK 10MHz B.W; 634.5MHz, 15kHz

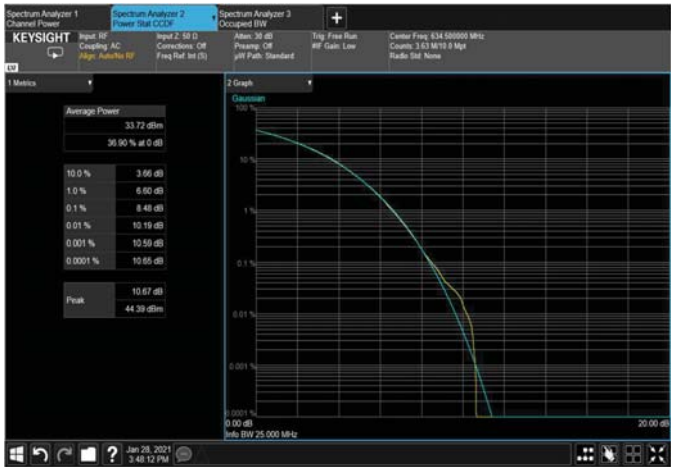

Figure 249: QPSK 10MHz B.W; 634.5MHz, 30kHz

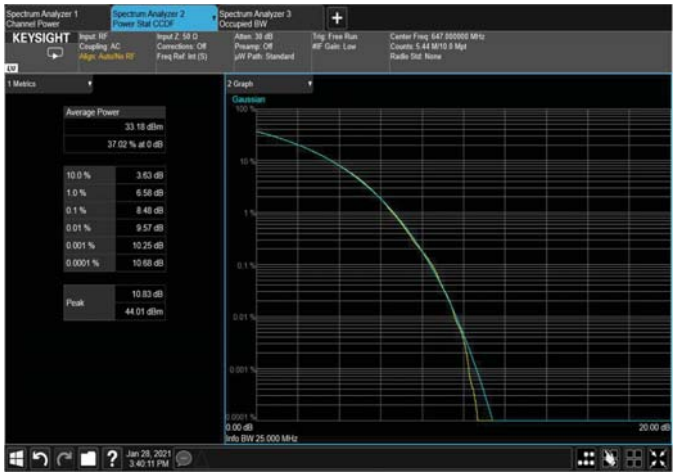

Figure 250: QPSK 10MHz B.W; 647.0MHz, 15kHz

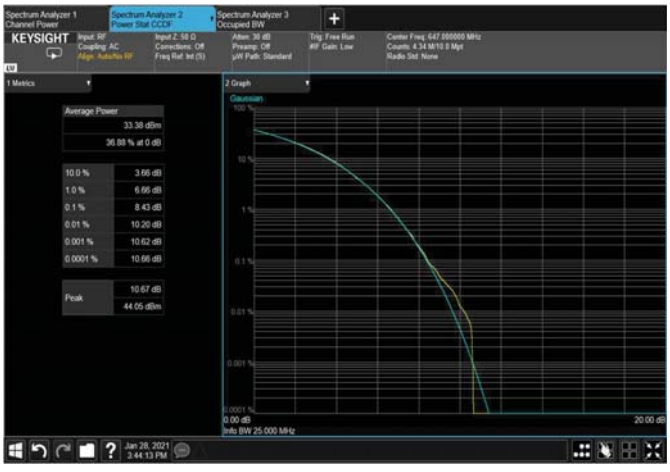

Figure 251: QPSK 10MHz B.W; 647.0MHz, 30kHz

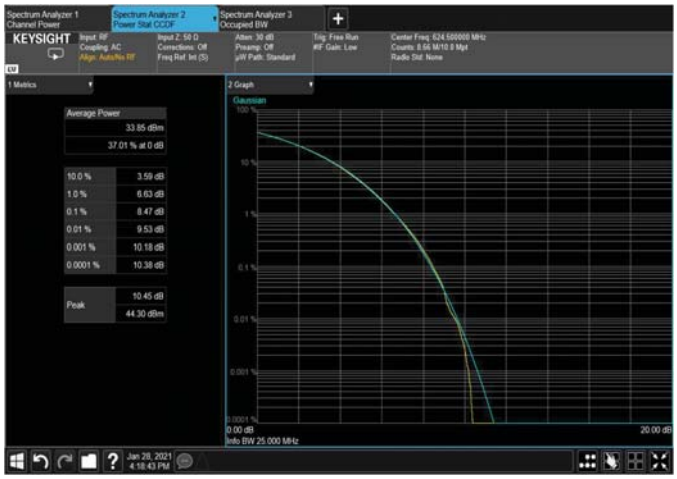

Figure 252: QPSK 15MHz B.W; 624.5MHz, 15kHz

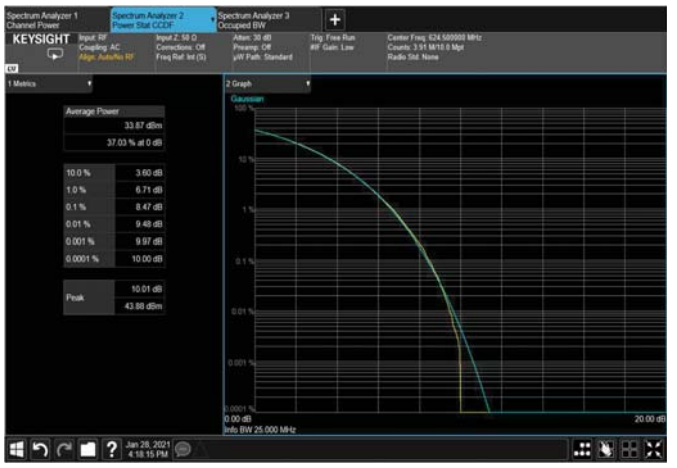

Figure 253: QPSK 15MHz B.W; 624.5MHz, 30kHz

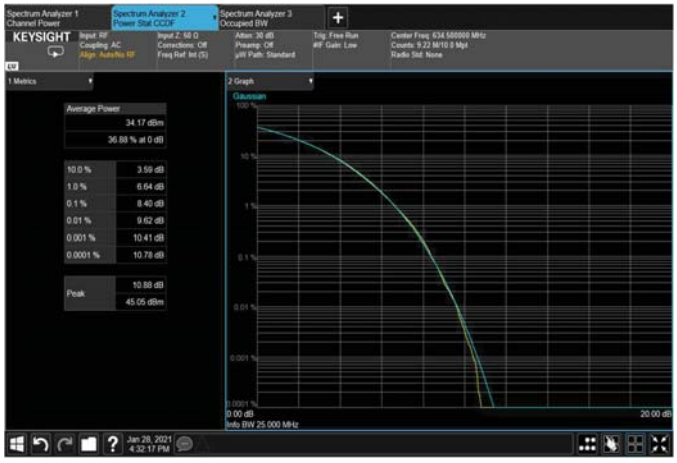

Figure 254: QPSK 15MHz B.W; 634.5MHz, 15kHz

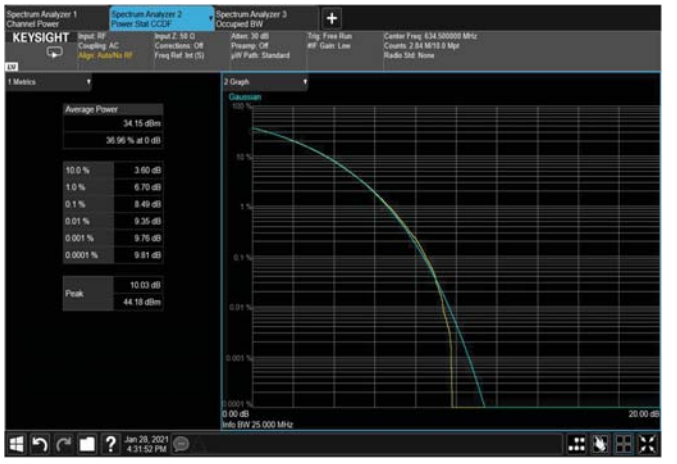

Figure 255: QPSK 15MHz B.W; 634.5MHz, 30kHz

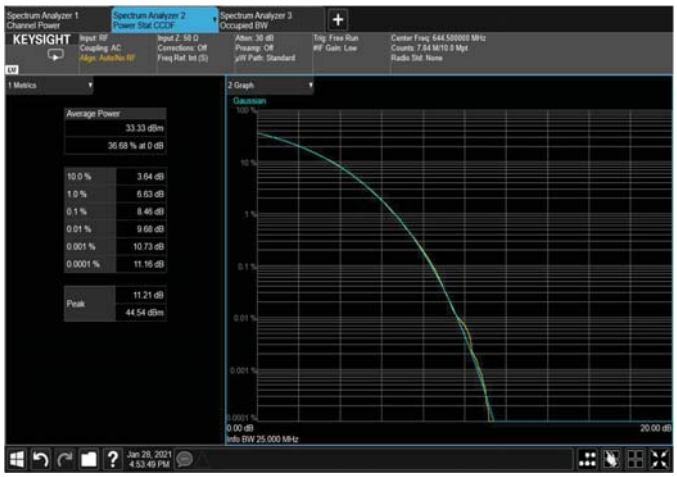

Figure 256: QPSK 15MHz B.W; 644.5MHz, 15kHz

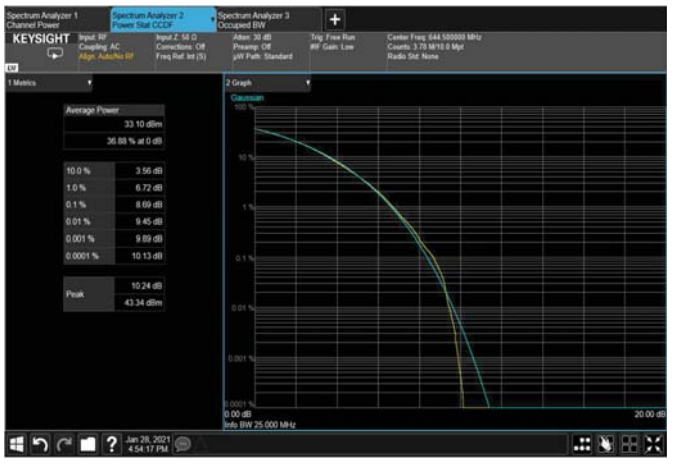

Figure 257: QPSK 15MHz B.W; 644.5MHz, 30kHz

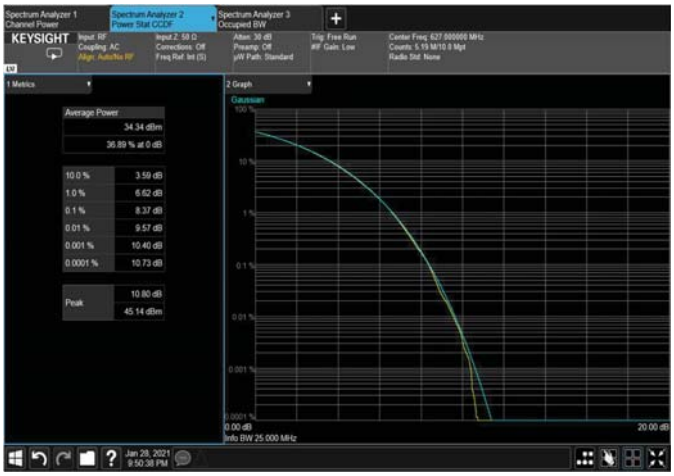

Figure 258: QPSK 20MHz B.W; 627.0MHz, 15kHz

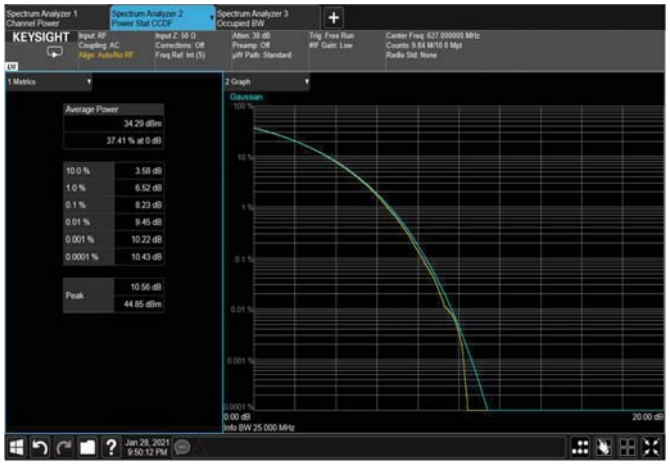

Figure 259: QPSK 20MHz B.W; 627.0MHz, 30kHz

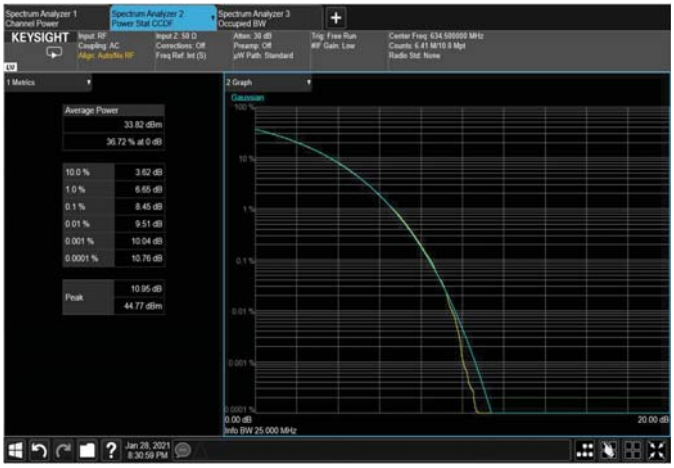

Figure 260: QPSK 20MHz B.W; 634.5MHz, 15kHz

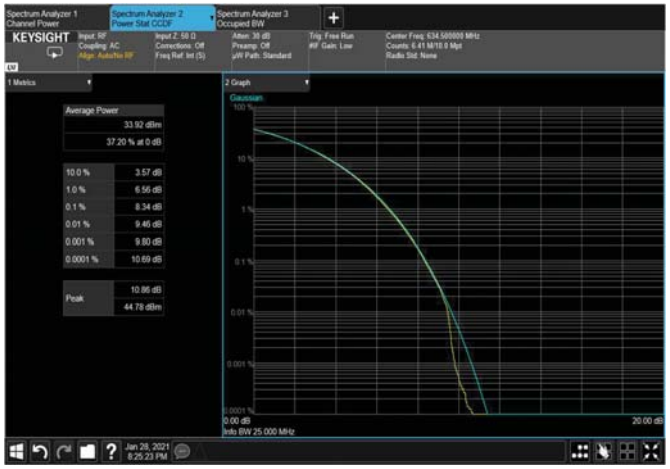

Figure 261: QPSK 20MHz B.W; 634.5MHz, 30kHz

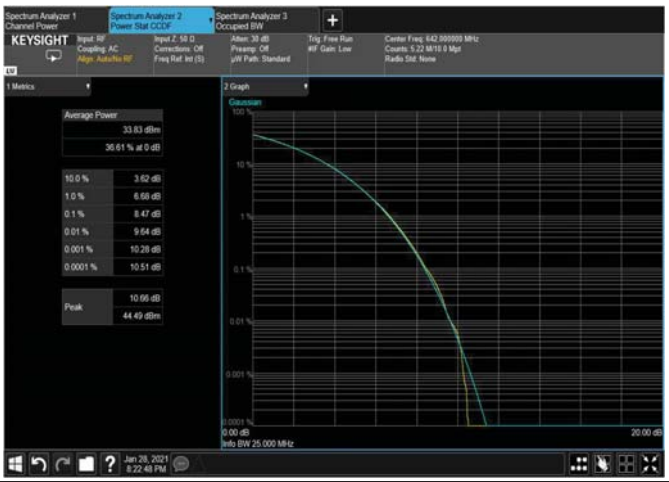

Figure 262: QPSK 20MHz B.W; 642.0MHz, 15kHz

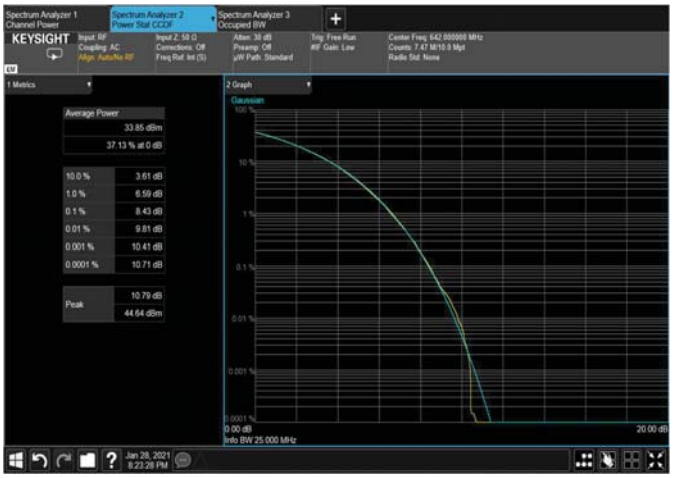

Figure 263: QPSK 20MHz B.W; 642.0MHz, 30kHz

6.5 Test Equipment Used; 0.1% PAPR

Instrument	Manufacturer	Model	Serial Number	Calibration	
				Last Calibration Date	Next Calibration Due
EXA signal Analyzer	Keysight	UXA N9040B	MY56080119	January 31, 2020	January 31, 2022
EXG Vector Signal Generator	Agilent Technologies	N5172B	MY53051952	January 17, 2019	January 17, 2022
40 dB Attenuator	Weinschel Associates	WA 39-40-33	-	November 1, 2020	November 1, 2021
RF Coaxial Cable	Huber-Suner	SLLS210B	-	November 1, 2020	November 1, 2021

Table 15 Test Equipment Used

7 Occupied Bandwidth

7.1 Test Specification

FCC Part 2, Section 1049

7.2 Test Procedure

(Temperature (20°C)/ Humidity (46%RH))
The E.U.T. antenna terminal was connected to the spectrum analyzer through an external attenuator and an appropriate coaxial cable (loss=40.7 dB). The spectrum analyzer was set to proper RBW
OBW function (99%) was employed for this evaluation.
Occupied bandwidth measured was repeated in the input terminal of the E.U.T.

7.3 Test Limit

N/A

7.4 Test Results

JUDGEMENT: Passed

See additional information in Table 16 to Table 23 and Figure 264 to Figure 455.

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
16QAM	5	15	619.5	4.5363
		30		4.0607
		15	634.5	4.5333
		30		4.0601
		15	649.5	4.5356
		30		4.0595
	10	15	622.0	9.2479
		30		8.6051
		15	634.5	9.2498
		30		8.5912
		15	647.0	9.2427
		30		8.5964
	15	15	624.5	14.180
		30		13.540
		15	634.5	14.175
		30		13.551
		15	644.5	14.175
		30		13.551
	20	15	627.0	19.038
		30		18.348
		15	634.5	19.037
		30		18.359
		15	642.0	19.050
		30		18.355

Table 16 Occupied Bandwidth 16 QAM Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
64QAM	5	15	619.5	4.4929
		30		3.9965
		15	634.5	4.4923
		30		3.9990
		15	649.5	4.4925
		30		4.0002
	10	15	622.0	9.3355
		30		8.6337
		15	634.5	9.3343
		30		8.6380
		15	647.0	9.3342
		30		8.6326
	15	15	624.5	14.141
		30		13.653
		15	634.5	14.139
		30		13.655
		15	644.5	14.147
		30		13.658
	20	15	627.0	18.975
		30		18.318
		15	634.5	18.963
		30		18.315
		15	642.0	18.947
		30		18.308

Table 17 Occupied Bandwidth 16QAM Output

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
256QAM	5	15	619.5	4.4907
		30		4.0229
		15	634.5	4.4902
		30		4.0208
		15	649.5	4.4883
		30		4.0222
	10	15	622.0	9.3158
		30		8.6500
		15	634.5	9.3048
		30		8.6307
		15	647.0	9.3265
		30		8.6346
	15	15	624.5	14.148
		30		13.612
		15	634.5	14.122
		30		13.607
		15	644.5	14.121
		30		13.605
	20	15	627.0	18.958
		30		18.269
		15	634.5	18.977
		30		18.270
		15	642.0	18.947
		30		18.259

Table 18 Occupied Bandwidth 64QAM Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
QPSK	5	15	619.5	4.5206
		30		4.1141
		15	634.5	4.5217
		30		4.1150
		15	649.5	4.5213
		30		4.1164
	10	15	622.0	9.1576
		30		8.5157
		15	634.5	9.1621
		30		8.5245
		15	647.0	9.1669
		30		8.5213
	15	15	624.5	14.182
		30		13.389
		15	634.5	14.183
		30		13.378
		15	644.5	14.186
		30		13.372
	20	15	627.0	19.039
		30		18.489
		15	634.5	19.036
		30		18.496
		15	642.0	19.033
		30		18.495

Table 19 Occupied Bandwidth 64QAM Output

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
16QAM	5	15	619.5	4.5281
		30		4.0569
		15	634.5	4.5319
		30		4.0586
		15	649.5	4.5206
		30		4.0483
	10	15	622.0	9.2249
		30		8.5837
		15	634.5	9.2324
		30		8.5830
		15	647.0	9.2032
		30		8.5519
	15	15	624.5	14.158
		30		13.510
		15	634.5	14.159
		30		13.517
		15	644.5	14.146
		30		13.478
	20	15	627.0	19.004
		30		18.331
		15	634.5	19.017
		30		18.340
		15	642.0	18.977
		30		18.307

Table 20 Occupied Bandwidth 256QAM Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
64QAM	5	15	619.5	4.4870
		30		3.9956
		15	634.5	4.5307
		30		3.9958
		15	649.5	4.4784
		30		3.9898
	10	15	622.0	9.3140
		30		8.6236
		15	634.5	9.3159
		30		8.6274
		15	647.0	9.3028
		30		8.6178
	15	15	624.5	14.117
		30		13.622
		15	634.5	14.126
		30		13.634
		15	644.5	14.101
		30		13.620
	20	15	627.0	18.956
		30		18.282
		15	634.5	18.939
		30		18.306
		15	642.0	18.894
		30		18.274

Table 21 Occupied Bandwidth 256QAM Output

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
256QAM	5	15	619.5	4.4864
		30		4.0184
		15	634.5	4.4894
		30		4.0224
		15	649.5	4.4778
		30		4.0158
	10	15	622.0	9.3012
		30		8.6305
		15	634.5	9.3040
		30		8.6290
		15	647.0	9.2905
		30		8.6227
	15	15	624.5	14.112
		30		13.562
		15	634.5	14.131
		30		13.587
		15	644.5	14.117
		30		13.575
	20	15	627.0	18.914
		30		18.232
		15	634.5	18.930
		30		18.241
		15	642.0	18.893
		30		18.223

Table 22 Occupied Bandwidth QPSK Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
QPSK	5	15	619.5	4.5153
		30		4.1068
		15	634.5	4.5209
		30		4.1083
		15	649.5	4.5038
		30		4.0976
	10	15	622.0	9.1310
		30		8.4996
		15	634.5	9.1406
		30		8.4966
		15	647.0	9.0951
		30		8.4653
	15	15	624.5	14.165
		30		13.348
		15	634.5	14.173
		30		13.370
		15	644.5	14.156
		30		13.271
	20	15	627.0	19.015
		30		18.466
		15	634.5	19.033
		30		18.474
		15	642.0	18.995
		30		18.436

Table 23 Occupied Bandwidth QPSK Output

Figure 264: 16QAM 5MHz B.W; 619.5MHz, 15kHz Input

Figure 265: 16QAM 5MHz B.W; 619.5MHz, 30kHz Input

Figure 266: 16QAM 5MHz B.W; 634.5MHz, 15kHz Input

Figure 267: 16QAM 5MHz B.W; 634.5MHz, 30kHz Input

Figure 268: 16QAM 5MHz B.W; 649.5MHz, 15kHz Input

Figure 269: 16QAM 5MHz B.W; 649.5MHz, 30kHz Input

Figure 270: 16QAM 10MHz B.W; 622.0MHz, 15kHz Input

Figure 271: 16QAM 10MHz B.W; 622.0MHz, 30kHz Input

Figure 272: 16QAM 10MHz B.W; 634.5MHz, 15kHz Input

Figure 273: 16QAM 10MHz B.W; 634.5MHz, 30kHz Input

Figure 274: 16QAM 10MHz B.W; 647.0MHz, 15kHz Input

Figure 275: 16QAM 10MHz B.W; 647.0MHz, 30kHz Input

Figure 276: 16QAM 15MHz B.W; 624.5MHz, 15kHz Input

Figure 277: 16QAM 15MHz B.W; 624.5MHz, 30kHz Input

Figure 278: 16QAM 15MHz B.W; 634.5MHz, 15kHz Input

Figure 279: 16QAM 15MHz B.W; 634.5MHz, 30kHz Input

Figure 280: 16QAM 15MHz B.W; 644.5MHz, 15kHz Input

Figure 281: 16QAM 15MHz B.W; 644.5MHz, 30kHz Input

Figure 282: 16QAM 20MHz B.W; 627.0MHz, 15kHz Input

Figure 283: 16QAM 20MHz B.W; 627.0MHz, 30kHz Input

Figure 284: 16QAM 20MHz B.W; 634.5MHz, 15kHz Input

Figure 285: 16QAM 20MHz B.W; 634.5MHz, 30kHz Input

Figure 286: 16QAM 20MHz B.W; 642.0MHz, 15kHz Input

Figure 287: 16QAM 20MHz B.W; 642.0MHz, 30kHz Input

Figure 288: 16QAM 5MHz B.W; 619.5MHz, 15kHz Input

Figure 289: 64QAM 5MHz B.W; 619.5MHz, 30kHz Input

Figure 290: 64QAM 5MHz B.W; 634.5MHz, 15kHz Input

Figure 291: 64QAM 5MHz B.W; 634.5MHz, 30kHz Input

Figure 292: 64QAM 5MHz B.W; 649.5MHz, 15kHz Input

Figure 293: 64QAM 5MHz B.W; 649.5MHz, 30kHz Input

Figure 294: 64QAM 5MHz B.W; 622.0MHz, 15kHz Input

Figure 295: 64QAM 10MHz B.W; 622.0MHz, 30kHz Input

Figure 296: 64QAM 10MHz B.W; 634.5MHz, 15kHz Input

Figure 297: 64QAM 10MHz B.W; 634.5MHz, 30kHz Input

Figure 298: 64QAM 10MHz B.W; 647.0MHz, 15kHz Input

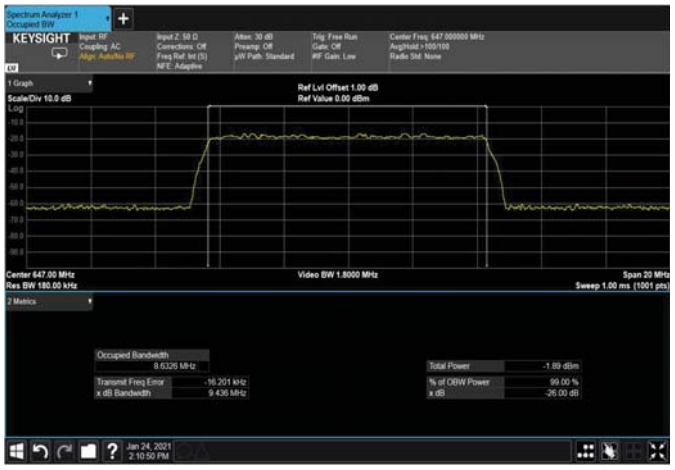

Figure 299: 64QAM 10MHz B.W; 647.0MHz, 30kHz Input

Figure 300: 64QAM 15MHz B.W; 624.5MHz, 15kHz Input

Figure 301: 64QAM 15MHz B.W; 624.5MHz, 30kHz Input

Figure 302: 64QAM 15MHz B.W; 634.5MHz, 15kHz Input

Figure 303: 64QAM 15MHz B.W; 634.5MHz, 30kHz Input

Figure 304: 64QAM 15MHz B.W; 644.5MHz, 15kHz Input

Figure 305: 64QAM 15MHz B.W; 644.5MHz, 30kHz Input

Figure 306: 64QAM 20MHz B.W; 627.0MHz, 15kHz Input

Figure 307: 64QAM 20MHz B.W; 627.0MHz, 30kHz Input

Figure 308: 64QAM 20MHz B.W; 634.5MHz, 15kHz Input

Figure 309: 64QAM 20MHz B.W; 634.5MHz, 30kHz Input

Figure 310: 64QAM 20MHz B.W; 642.0MHz, 15kHz Input

Figure 311: 64QAM 20MHz B.W; 642.0MHz, 30kHz Input

Figure 312: 256QAM 5MHz B.W; 619.5MHz, 15kHz Input

Figure 313: 256QAM 5MHz B.W; 619.5MHz, 30kHz Input

Figure 314: 256QAM 5MHz B.W; 634.5MHz, 15kHz Input

Figure 315: 256QAM 5MHz B.W; 634.5MHz, 30kHz Input

Figure 316: 256QAM 5MHz B.W; 649.5MHz, 15kHz Input

Figure 317: 256QAM 5MHz B.W; 649.5MHz, 30kHz Input

Figure 318: 256QAM 10MHz B.W; 622.0MHz, 15kHz Input

Figure 319: 256QAM 10MHz B.W; 622.0MHz, 30kHz Input

Figure 320: 256QAM 10MHz B.W; 634.5MHz, 15kHz Input

Figure 321: 256QAM 10MHz B.W; 634.5MHz, 30kHz Input

Figure 322: 256QAM 10MHz B.W; 647.0MHz, 15kHz Input

Figure 323: 256QAM 10MHz B.W; 647.0MHz, 30kHz Input

Figure 324: 256QAM 10MHz B.W; 624.5MHz, 15kHz Input

Figure 325: 256QAM 15MHz B.W; 624.5MHz, 30kHz Input

Figure 326: 256QAM 15MHz B.W; 634.5MHz, 15kHz Input

Figure 327: 256QAM 15MHz B.W; 634.5MHz, 30kHz Input

Figure 328: 256QAM 15MHz B.W; 644.5MHz, 15kHz Input

Figure 329: 256QAM 15MHz B.W; 644.5MHz, 30kHz Input

Figure 330: 256QAM 20MHz B.W; 627.0MHz, 15kHz Input

Figure 331: 256QAM 20MHz B.W; 627.0MHz, 30kHz Input

Figure 332: 256QAM 20MHz B.W; 634.5MHz, 15kHz Input

Figure 333: 256QAM 20MHz B.W; 634.5MHz, 30kHz Input

Figure 334: 256QAM 20MHz B.W; 642.0MHz, 15kHz Input

Figure 335: 256QAM 20MHz B.W; 642.0MHz, 30kHz Input

Figure 336: QPSK 5MHz B.W; 619.5MHz, 15kHz Input

Figure 337: QPSK 5MHz B.W; 619.5MHz, 30kHz Input

Figure 338: QPSK 5MHz B.W; 634.5MHz, 15kHz Input

Figure 339: QPSK 5MHz B.W; 634.5MHz, 30kHz Input

Figure 340: QPSK 5MHz B.W; 649.5MHz, 15kHz Input

Figure 341: QPSK 5MHz B.W; 649.5MHz, 30kHz Input

Figure 342: QPSK 10MHz B.W; 622.0MHz, 15kHz Input

Figure 343: QPSK 10MHz B.W; 622.0MHz, 30kHz Input

Figure 344: QPSK 10MHz B.W; 634.5MHz, 15kHz Input

Figure 345: QPSK 10MHz B.W; 634.5MHz, 30kHz Input

Figure 346: QPSK 10MHz B.W; 647.0MHz, 15kHz Input

Figure 347: QPSK 10MHz B.W; 647.0MHz, 30kHz Input

Figure 348: QPSK 15MHz B.W; 624.5MHz, 15kHz Input

Figure 349: QPSK 15MHz B.W; 624.5MHz, 30kHz Input

Figure 350: QPSK 15MHz B.W; 634.5MHz, 15kHz Input

Figure 351: QPSK 15MHz B.W; 634.5MHz, 30kHz Input

Figure 352: QPSK 15MHz B.W; 644.5MHz, 15kHz Input

Figure 353: QPSK 15MHz B.W; 644.5MHz, 30kHz Input