



5 Occupied Bandwidth

5.1 Test Specification

FCC Part 2, Section 1049

5.2 Test Procedure

(Temperature (20°C)/ Humidity (57%RH))

The E.U.T. antenna terminal was connected to the spectrum analyzer through an external attenuator and an appropriate coaxial cable. The spectrum analyzer was set to proper resolution B.W.

OBW function (99%) was employed for this evaluation.

Occupied bandwidth measured was repeated for each modulation.

5.3 Test Limit

N/A

5.4 Test Results

JUDGEMENT: Passed

See additional information in *Table 6* to *Table 13* and *Figure 176* to *Figure 511*.



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
16QAM	5	15	864.5	4.5
		30	864.5	4.0
		15	878.0	4.5
		30	878.0	4.5
		15	891.5	4.5
		30	891.5	4.0
	10	15	867.0	9.3
		30	867.0	8.6
		60	867.0	8.0
		15	878.0	9.3
		30	878.0	8.6
		60	878.0	7.9
		15	889.0	9.3
		30	889.0	9.3
		60	889.0	7.9
	15	15	869.0	14.2
		30	869.0	13.8
		60	869.0	13.0
		15	878.0	14.2
		30	878.0	13.8
		60	878.0	13.1
		15	886.5	14.2
		30	886.5	13.7
		60	886.5	13.0
	20	15	872.0	19.1
		30	872.0	18.5
		60	872.0	17.4
		15	878.0	19.1
		30	878.0	18.4
		60	878.0	17.4
		15	884.0	19.1
		30	884.0	18.5
		60	884.0	17.3
	25	15	874.5	24.0
		30	874.5	23.5
		60	874.5	22.6
		15	878.0	24.0
		30	878.0	23.6
		60	878.0	22.6
		15	881.5	24.0
		30	881.5	23.5
		60	881.5	22.6

Table 6 Occupied Bandwidth 16QAM - Input



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
64QAM	5	15	864.5	4.5
		30	864.5	4.0
		15	878.0	4.5
		30	878.0	4.0
		15	891.5	4.5
		30	891.5	4.0
	10	15	867.0	9.4
		30	867.0	8.6
		60	867.0	8.0
		15	878.0	9.4
		30	878.0	8.6
		60	878.0	8.0
		15	889.0	9.4
		30	889.0	8.6
		60	889.0	8.0
	15	15	869.5	14.2
		30	869.5	13.7
		60	869.5	13.0
		15	878.0	14.2
		30	878.0	13.7
		60	878.0	13.0
		15	886.5	14.2
		30	886.5	13.7
		60	886.5	13.0
	20	15	872.0	19.1
		30	872.0	18.4
		60	872.0	17.4
		15	878.0	19.1
		30	878.0	18.4
		60	878.0	17.4
		15	884.0	19.1
		30	884.0	18.4
		60	884.0	17.4
	25	15	874.5	24.0
		30	874.5	23.5
		60	874.5	17.8
		15	878.5	24.0
		30	878.5	23.5
		60	878.5	17.5
		15	881.5	24.0
		30	881.5	24.0
		60	881.5	17.6

Table 7 Occupied Bandwidth 64QAM - Input



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
256QAM	5	15	864.5	4.5
		30	864.5	4.0
		15	878.0	4.5
		30	878.0	4.0
		15	891.5	4.5
		30	891.5	4.0
	10	15	867.0	9.3
		30	867.0	8.6
		60	867.0	7.9
		15	878.0	9.3
		30	878.0	8.6
		60	878.0	7.9
		15	889.0	9.3
		30	889.0	8.6
		60	889.0	8.0
	15	15	869.5	14.2
		30	869.5	13.7
		60	869.5	13.0
		15	878.0	14.2
		30	878.0	13.7
		60	878.0	13.1
		15	886.0	14.3
		30	886.0	13.7
		60	886.0	13.1
	20	15	872.0	19.2
		30	872.0	18.4
		60	872.0	17.5
		15	878.0	19.1
		30	878.0	18.5
		60	878.0	17.4
		15	884.0	19.1
		30	884.0	18.4
		60	884.0	17.4
	25	15	874.5	24.0
		30	874.5	23.5
		60	874.5	22.5
		15	878.0	24.1
		30	878.0	23.5
		60	878.0	22.4
		15	881.5	24.0
		30	881.5	23.5
		60	881.5	22.4

Table 8 Occupied Bandwidth 256QAM - Input



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
QPSK	5	15	864.5	4.5
		30	864.5	4.0
		15	878.0	4.5
		30	878.0	4.0
		15	891.5	4.5
		30	891.5	4.0
	10	15	867.0	9.3
		30	867.0	8.6
		60	867.0	8.0
		15	878.0	9.3
		30	878.0	8.6
		60	878.0	8.0
		15	889.0	9.3
		30	889.0	8.7
		60	889.0	8.0
	15	15	869.5	14.2
		30	869.5	13.8
		60	869.5	13.1
		15	878.0	14.2
		30	878.0	13.8
		60	878.0	13.1
		15	886.5	14.2
		30	886.5	13.8
		60	886.5	13.1
	20	15	872.0	19.1
		30	872.0	18.4
		60	872.0	17.4
		15	878.0	19.1
		30	878.0	18.4
		60	878.0	17.4
		15	884.0	19.1
		30	884.0	18.4
		60	884.0	17.4
	25	15	874.5	24.0
		30	874.5	23.5
		60	874.5	22.6
		15	878.0	24.0
		30	878.0	23.5
		60	878.0	22.6
		15	881.5	24.1
		30	881.5	23.6
		60	881.5	22.5

Table 9 Occupied Bandwidth QPSK – Input



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
16QAM	5	15	864.5	4.4858
		30	864.5	3.9397
		15	878.0	4.4826
		30	878.0	3.9446
		15	891.5	4.4874
		30	891.5	3.9445
	10	15	867.0	9.2578
		30	867.0	8.5223
		60	867.0	7.8689
		15	878.0	9.2602
		30	878.0	8.5330
		60	878.0	7.8708
		15	889.0	9.2753
		30	889.0	8.5425
		60	889.0	7.8792
	15	15	869.0	14.227
		30	869.0	13.671
		60	869.0	12.927
		15	878.0	14.197
		30	878.0	13.658
		60	878.0	12.903
		15	886.5	14.232
		30	886.5	13.680
		60	886.5	12.939
	20	15	872.0	19.151
		30	872.0	18.323
		60	872.0	17.144
		15	878.0	19.333
		30	878.0	18.361
		60	878.0	17.164
		15	884.0	19.241
		30	884.0	18.366
		60	884.0	17.205
	25	15	874.5	23.947
		30	874.5	23.377
		60	874.5	22.323
		15	878.0	24.098
		30	878.0	23.452
		60	878.0	22.389
		15	881.5	24.076
		30	881.5	23.429
		60	881.5	22.365

Table 10 Occupied Bandwidth 16QAM - Output



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
64QAM	5	15	864.5	4.4889
		30	864.5	3.9385
		15	878.0	4.4912
		30	878.0	3.9385
		15	891.5	4.4910
		30	891.5	3.9457
	10	15	867.0	9.3005
		30	867.0	8.5802
		60	867.0	7.8756
		15	878.0	9.3068
		30	878.0	8.5821
		60	878.0	7.8764
		15	889.0	9.3148
		30	889.0	8.5893
		60	889.0	7.8866
	15	15	869.5	14.135
		30	869.5	13.593
		60	869.5	12.889
		15	878.0	14.129
		30	878.0	13.576
		60	878.0	12.872
		15	886.5	14.158
		30	886.5	13.614
		60	886.5	12.908
	20	15	872.0	18.934
		30	872.0	18.203
		60	872.0	17.163
		15	878.0	18.968
		30	878.0	18.233
		60	878.0	17.183
		15	884.0	18.992
		30	884.0	18.259
		60	884.0	17.206
	25	15	874.5	23.748
		30	874.5	23.234
		60	874.5	22.184
		15	878.5	23.836
		30	878.5	23.284
		60	878.5	22.221
		15	881.5	23.810
		30	881.5	23.269
		60	881.5	22.220

Table 11 Occupied Bandwidth 64QAM - Output



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
256QAM	5	15	864.5	4.4890
		30	864.5	3.9350
		15	878.0	4.4941
		30	878.0	3.9408
		15	891.5	4.4936
		30	891.5	3.9402
	10	15	867.0	9.2730
		30	867.0	8.5721
		60	867.0	7.8735
		15	878.0	9.2858
		30	878.0	8.5853
		60	878.0	7.8758
		15	889.0	9.2949
		30	889.0	8.5877
		60	889.0	7.8836
	15	15	869.5	14.139
		30	869.5	13.600
		60	869.5	12.937
		15	878.0	14.127
		30	878.0	13.597
		60	878.0	12.924
		15	886.0	14.153
		30	886.0	13.625
		60	886.0	12.946
	20	15	872.0	18.917
		30	872.0	18.237
		60	872.0	17.150
		15	878.0	18.970
		30	878.0	18.259
		60	878.0	17.169
		15	884.0	18.953
		30	884.0	18.287
		60	884.0	17.202
	25	15	874.5	23.750
		30	874.5	23.231
		60	874.5	22.148
		15	878.0	23.867
		30	878.0	23.302
		60	878.0	22.201
		15	881.5	23.835
		30	881.5	23.292
		60	881.5	22.176

Table 12 Occupied Bandwidth 256QAM - Output



Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
QPSK	5	15	864.5	4.4906
		30	864.5	3.9646
		15	878.0	4.4932
		30	878.0	3.9667
		15	891.5	4.4951
		30	891.5	3.9645
	10	15	867.0	9.2990
		30	867.0	8.5829
		60	867.0	7.9129
		15	878.0	9.3062
		30	878.0	8.5875
		60	878.0	7.9163
		15	889.0	9.3050
		30	889.0	8.5960
		60	889.0	7.9243
	15	15	869.5	14.125
		30	869.5	13.665
		60	869.5	12.996
		15	878.0	14.127
		30	878.0	13.660
		60	878.0	12.979
		15	886.5	14.164
		30	886.5	13.687
		60	886.5	13.004
	20	15	872.0	18.877
		30	872.0	18.193
		60	872.0	17.186
		15	878.0	18.907
		30	878.0	18.221
		60	878.0	17.193
		15	884.0	18.945
		30	884.0	18.249
		60	884.0	17.228
	25	15	874.5	23.784
		30	874.5	23.217
		60	874.5	22.172
		15	878.0	23.846
		30	878.0	23.284
		60	878.0	22.213
		15	881.5	23.823
		30	881.5	23.263
		60	881.5	22.217

Table 13 Occupied Bandwidth QPSK – Output

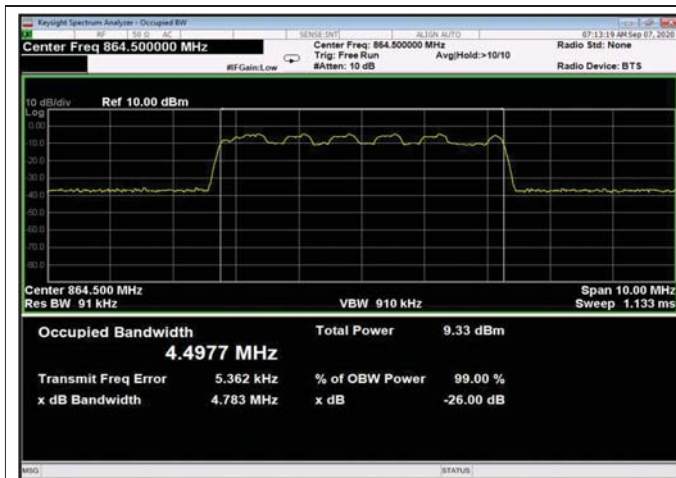


Figure 176: 16QAM 5MHz B.W.; 864.5MHz, 15kHz - Input

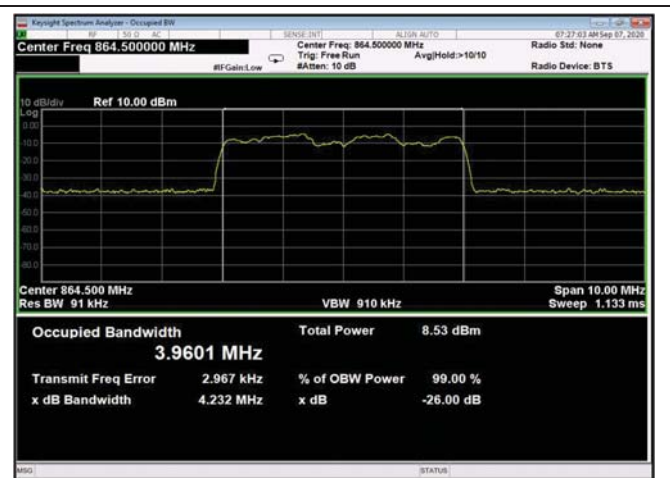


Figure 177: 16QAM 5MHz B.W.; 864.5MHz, 30kHz- Input

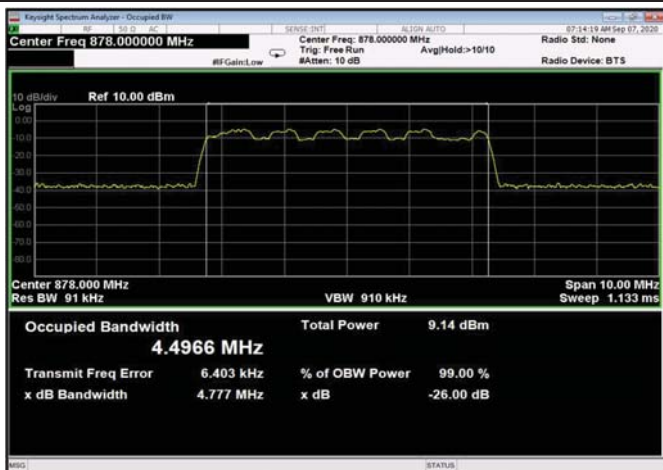


Figure 178: 16QAM 5MHz B.W.; 878.0MHz, 15kHz- Input

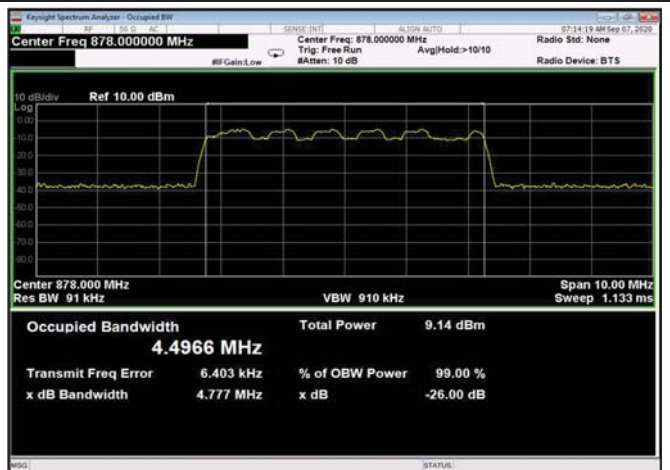


Figure 179: 16QAM 5MHz B.W.; 878.0MHz, 30kHz- Input

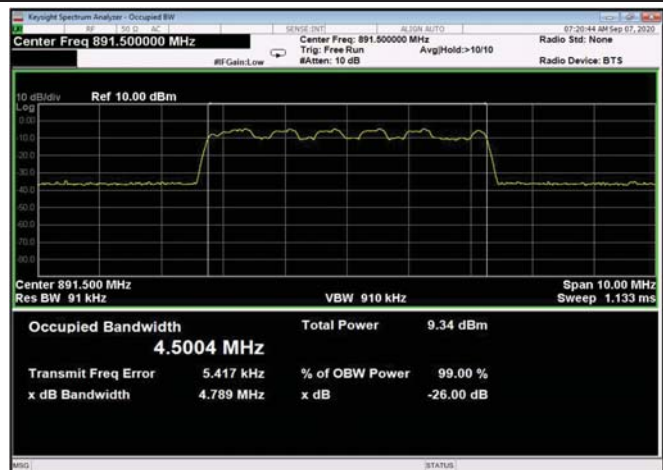


Figure 180: 16QAM 5MHz B.W.; 891.5MHz, 15kHz- Input

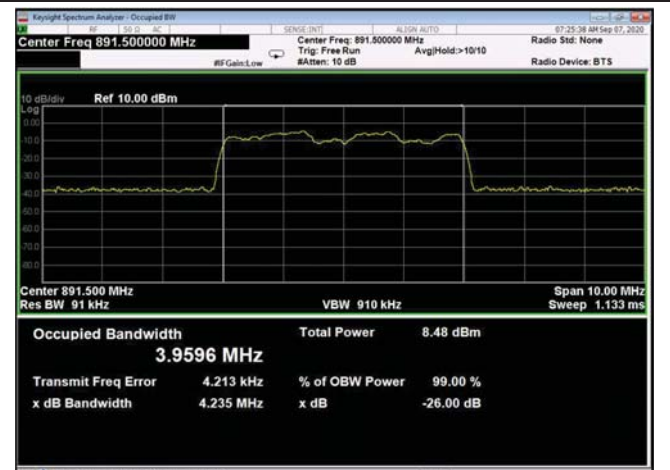


Figure 181: 16QAM 5MHz C.S; 891.5MHz, 30kHz- Input

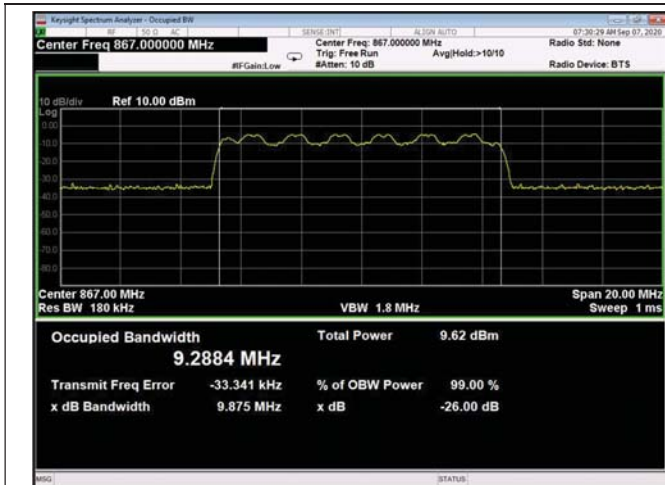


Figure 182: 16QAM 10MHz B.W.; 867.0MHz, 15kHz- Input

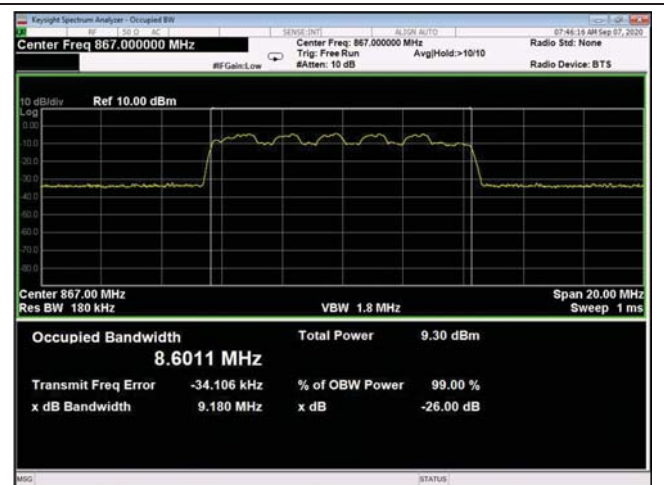


Figure 183: 16QAM 10MHz B.W.; 867.0MHz, 30kHz- Input

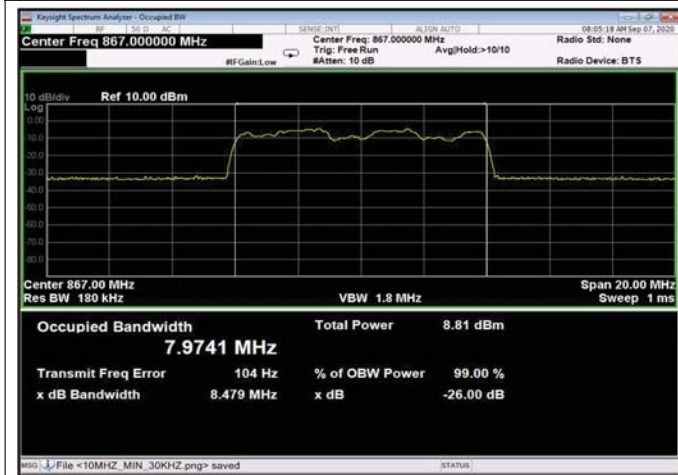


Figure 184: 16QAM 10MHz B.W.; 867.0MHz, 60kHz- Input

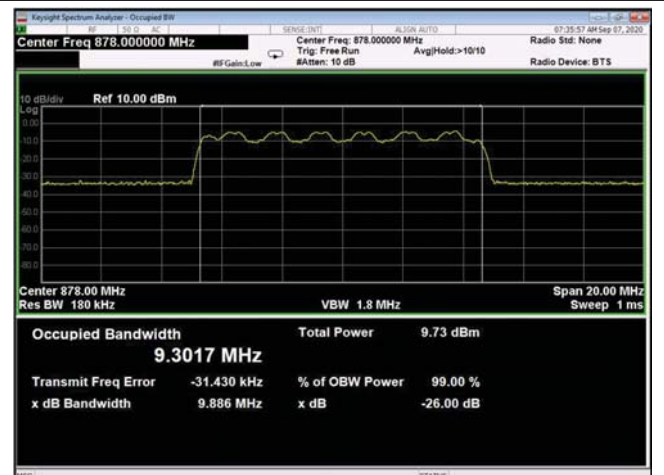


Figure 185: 16QAM 10MHz B.W.; 878.0MHz, 15kHz- Input

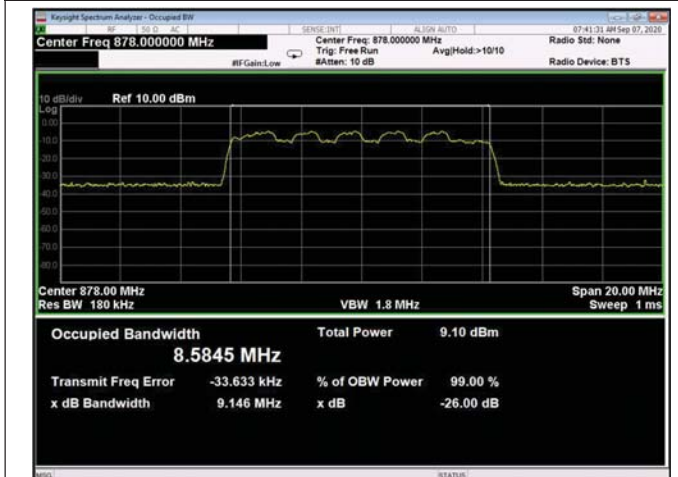


Figure 186: 16QAM 10MHz B.W.; 878.0MHz, 30kHz- Input

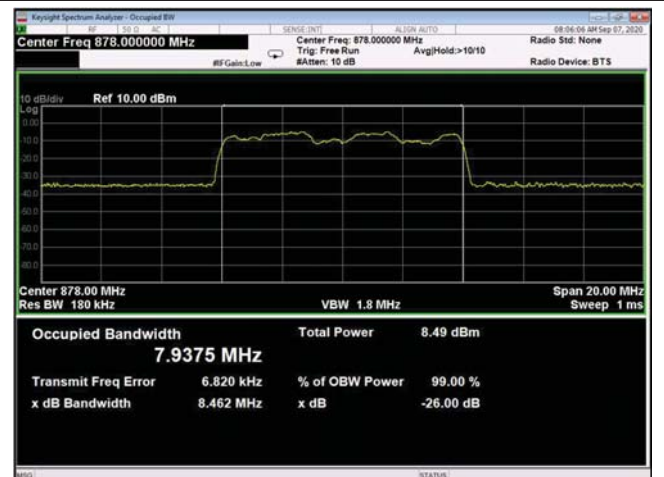


Figure 187: 16QAM 10MHz B.W.; 878.0MHz, 60kHz - Input

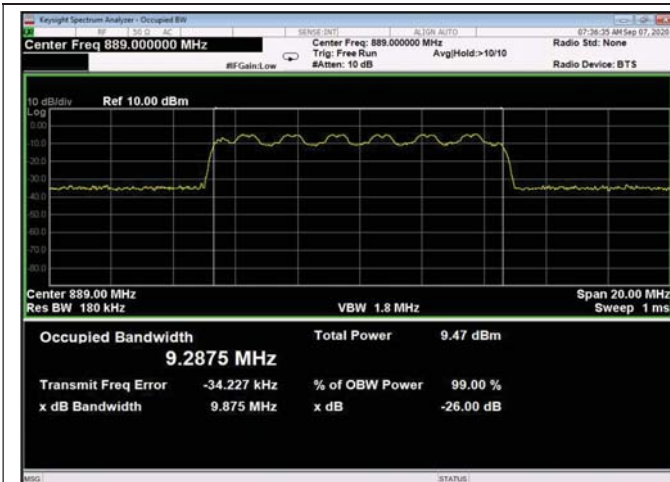


Figure 188: 16QAM 10MHz B.W.; 889.0MHz, 15kHz - Input

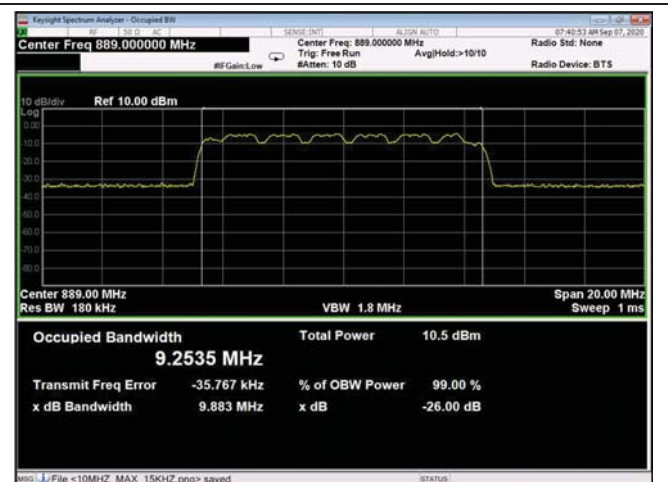


Figure 189: 16QAM 10MHz B.W.; 889.0MHz, 30kHz - Input

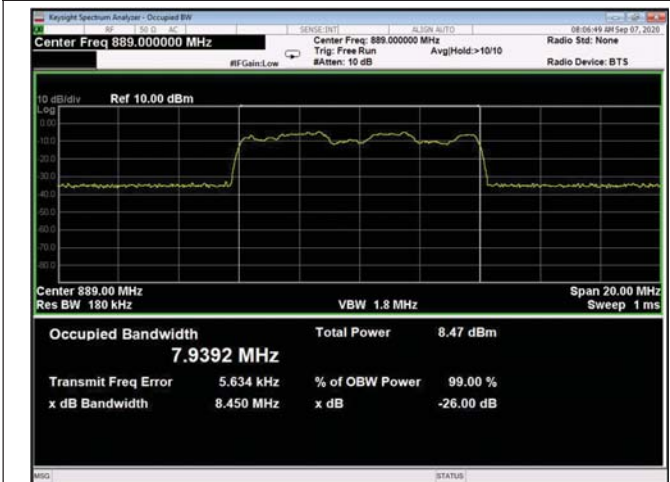


Figure 190: 16QAM 10MHz B.W.; 889.0MHz, 60kHz - Input

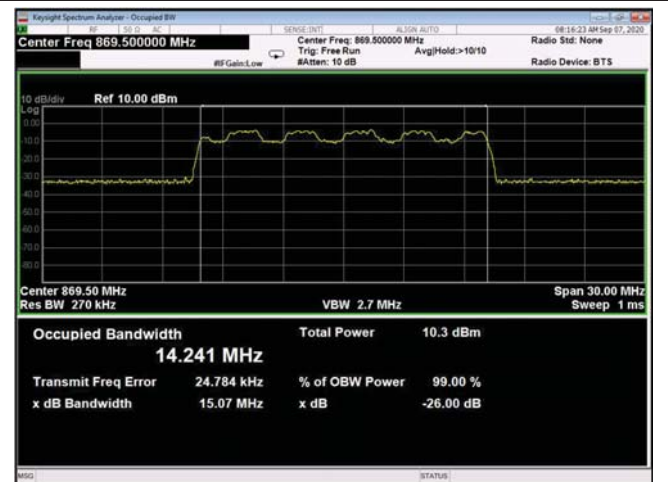


Figure 191: 16QAM 15MHz B.W.; 869.0MHz, 15kHz - Input

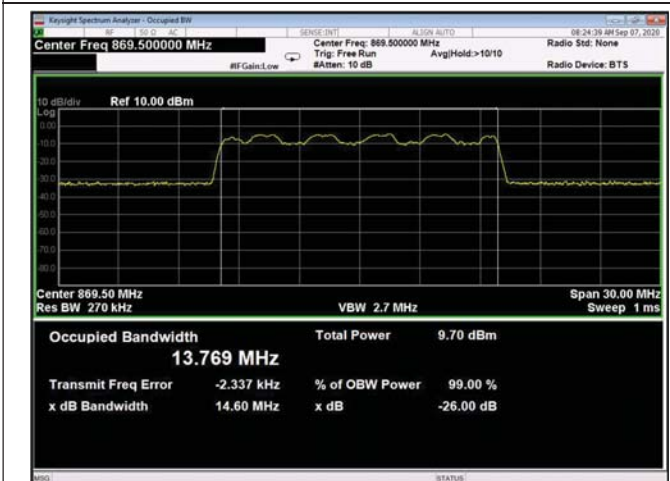


Figure 192: 16QAM 15MHz B.W.; 869.0MHz, 30kHz - Input

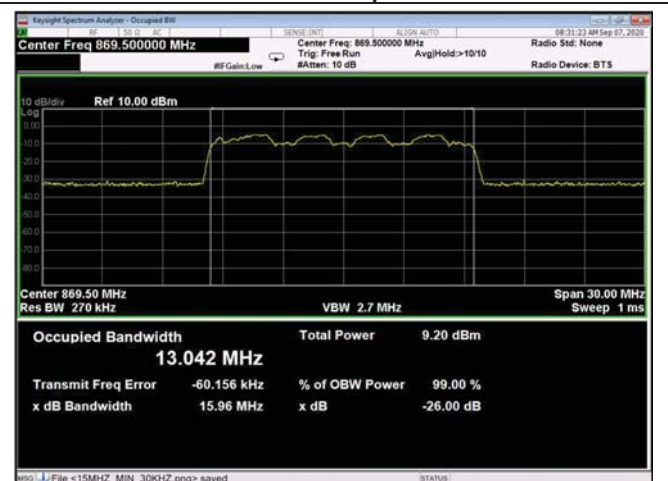


Figure 193: 16QAM 10MHz B.W.; 869.0MHz, 60kHz - Input

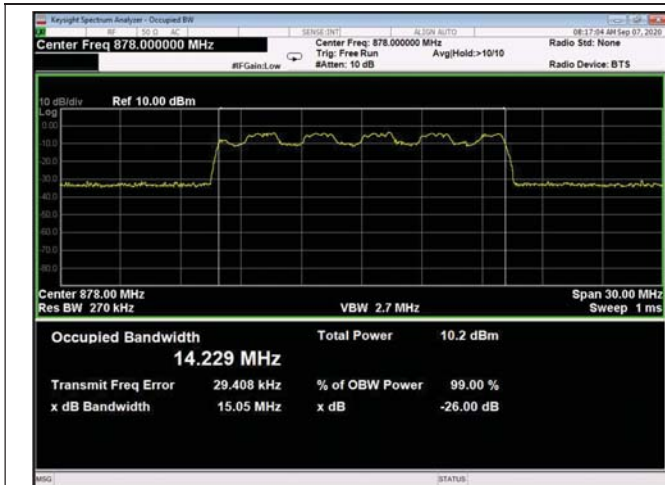


Figure 194: 16QAM 15MHz B.W.; 878.0MHz, 15kHz- Input

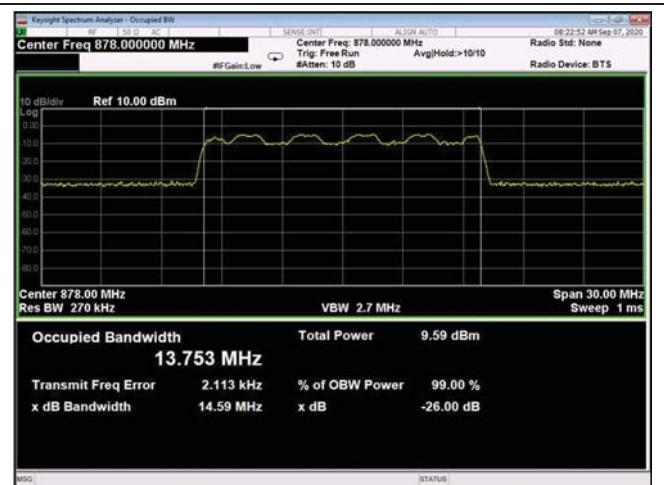


Figure 195: 16QAM 15MHz B.W.; 878.0MHz, 30kHz- Input

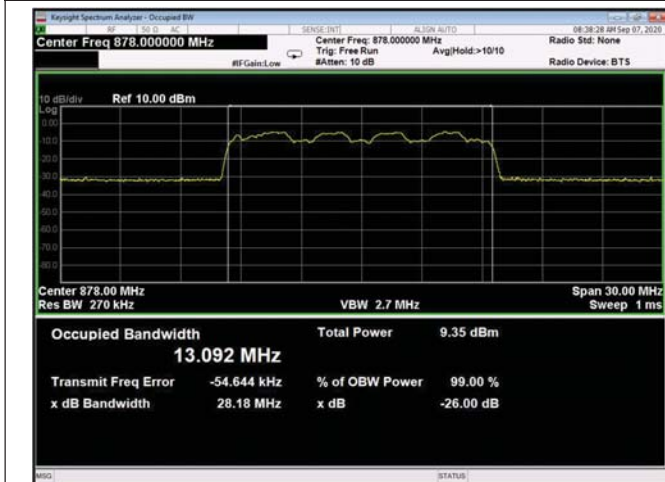


Figure 196: 16QAM 15MHz B.W.; 878.0MHz, 60kHz - Input

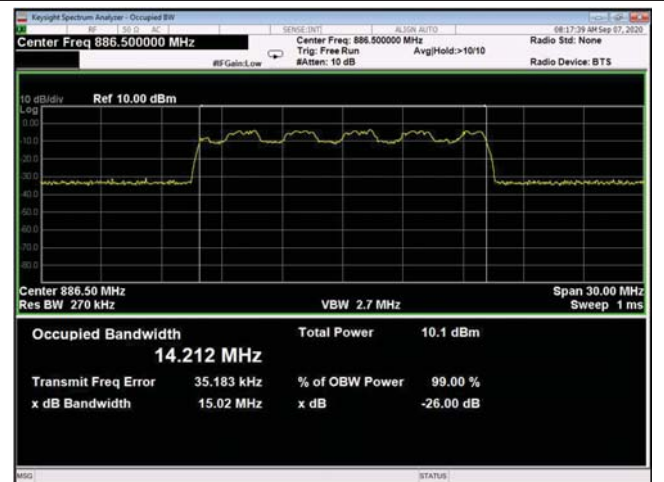


Figure 197: 16QAM 15MHz B.W.; 886.5MHz, 15kHz - Input

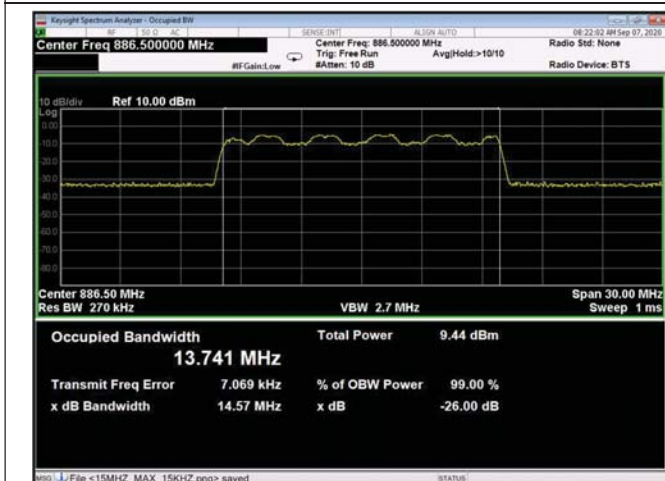


Figure 198: 16QAM 15MHz B.W.; 886.5MHz, 30kHz - Input

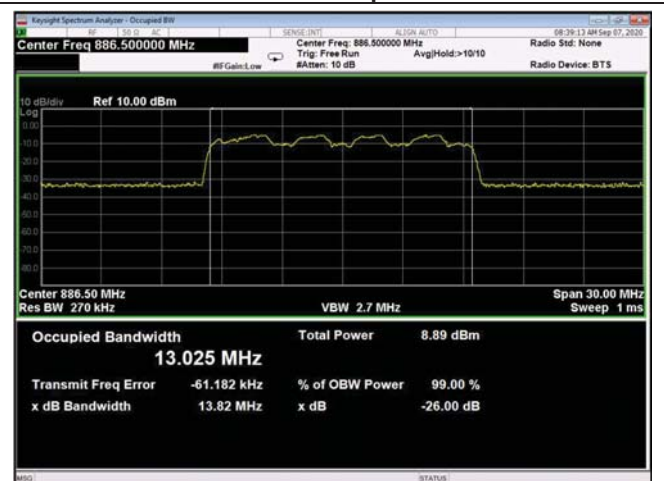


Figure 199: 16QAM 15MHz B.W.; 886.5MHz, 60kHz - Input

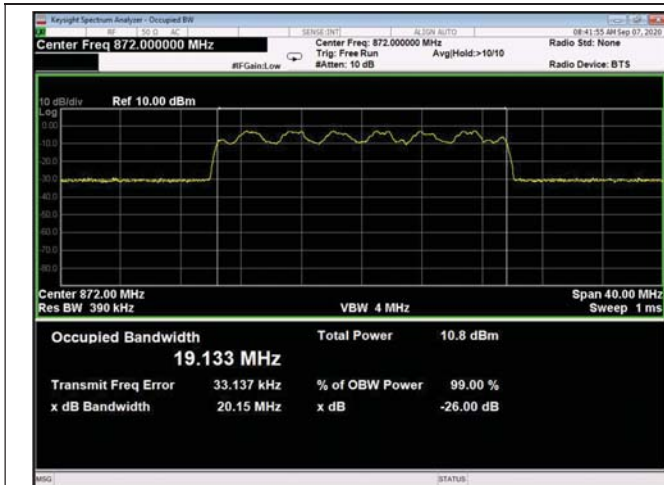


Figure 200: 16QAM 20MHz B.W.; 872.0MHz, 15kHz - Input

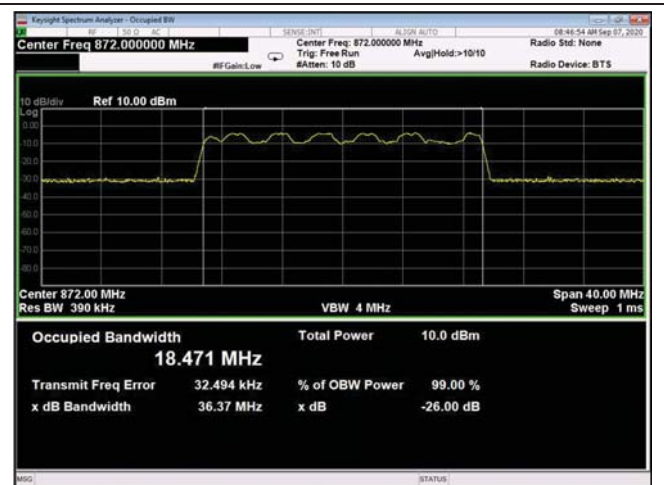


Figure 201: 16QAM 20MHz B.W.; 872.0MHz, 30kHz - Input

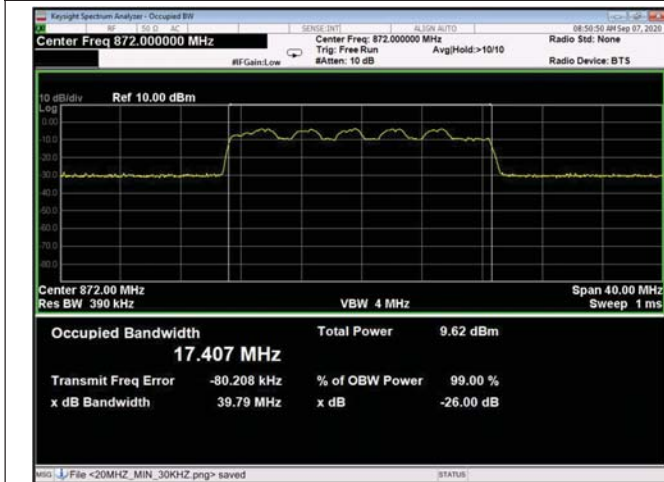


Figure 202: 16QAM 20MHz B.W.; 872.0MHz, 60kHz - Input

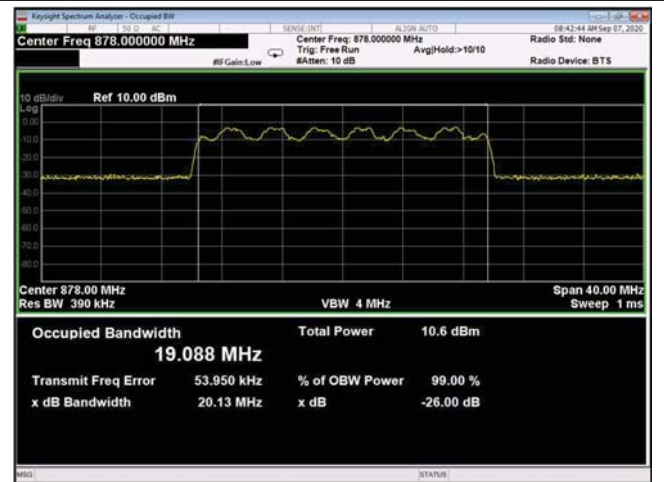


Figure 203: 16QAM 20MHz B.W.; 878.0MHz, 15kHz - Input

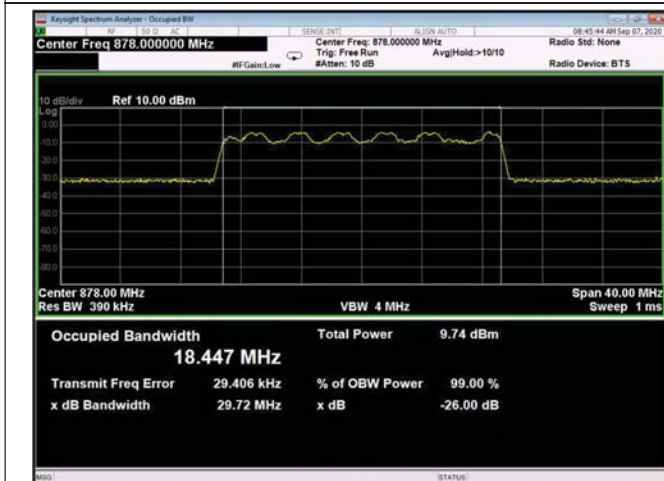


Figure 204: 16QAM 20MHz B.W.; 878.0MHz, 30kHz - Input

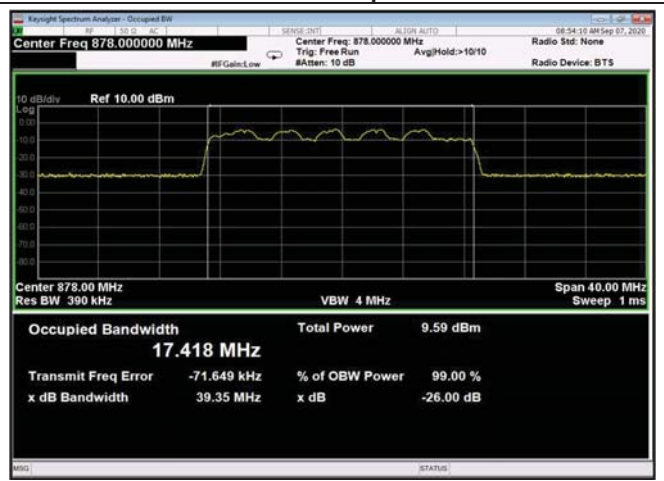


Figure 205: 16QAM 20MHz B.W.; 878.0MHz, 60kHz - Input

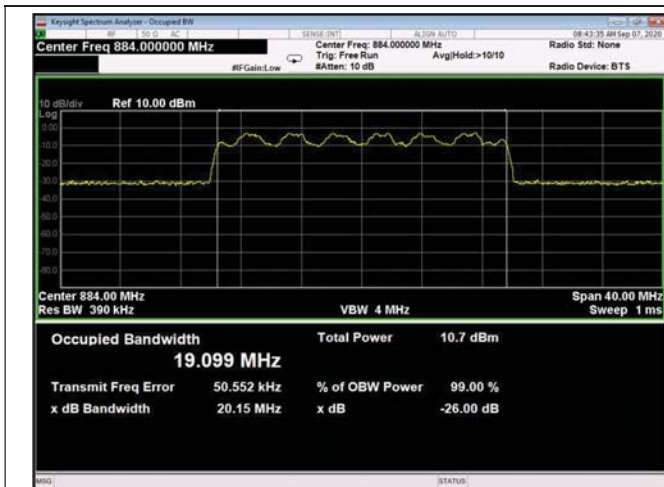


Figure 206: 16QAM 20MHz B.W.; 884.0MHz, 15kHz - Input

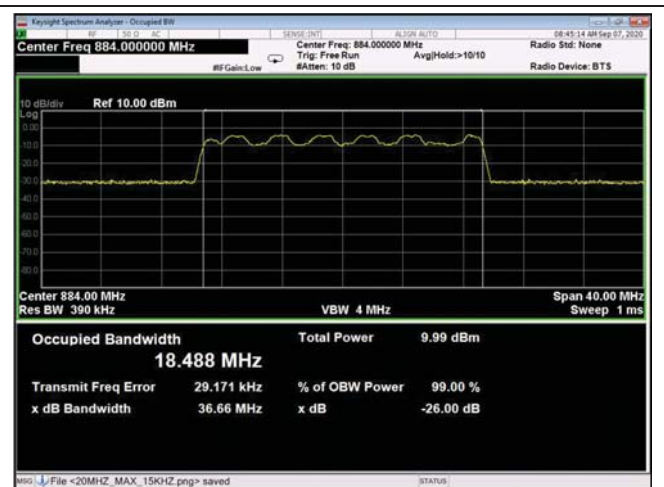


Figure 207: 16QAM 20MHz B.W.; 884.0MHz, 30kHz - Input

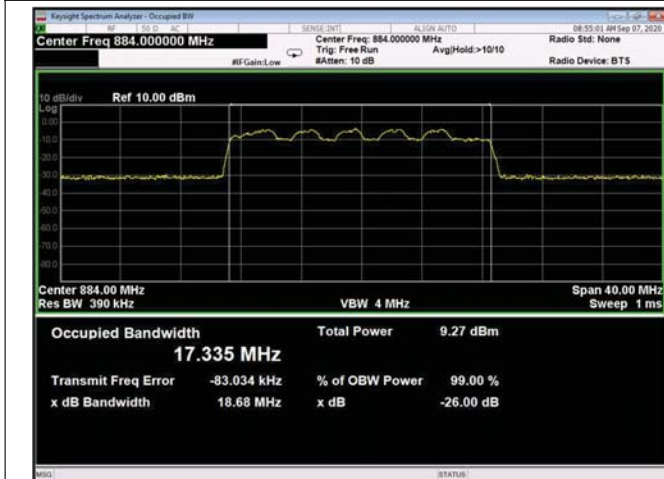


Figure 208: 16QAM 20MHz B.W.; 884.0MHz, 60kHz - Input

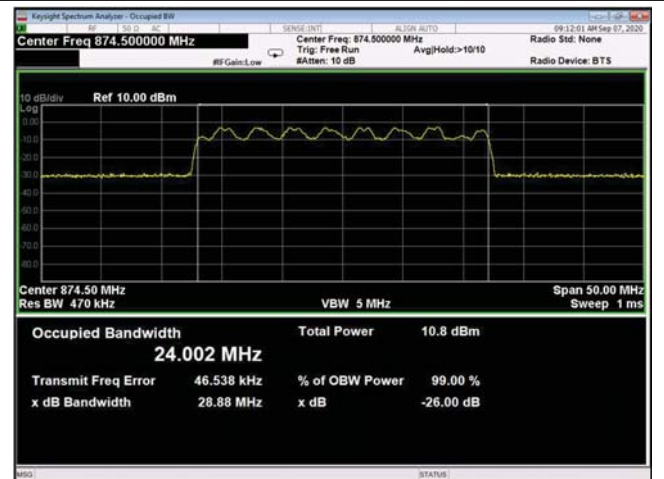


Figure 209: 16QAM 25MHz B.W.; 874.5MHz, 15kHz - Input

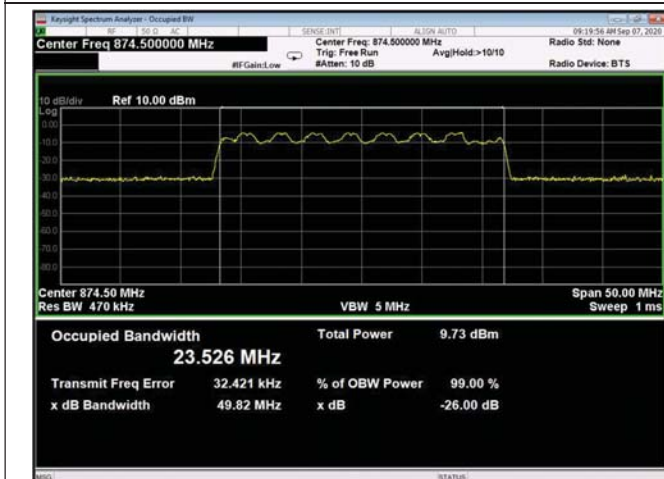


Figure 210: 16QAM 25MHz B.W.; 874.5MHz, 30kHz - Input

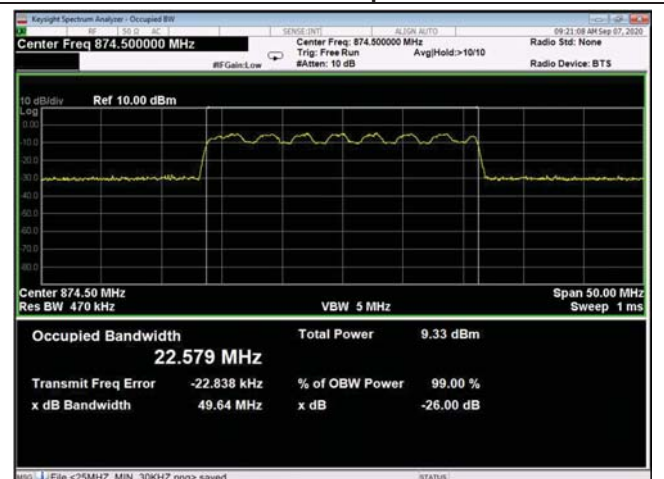


Figure 211: 16QAM 25MHz B.W.; 874.5MHz, 60kHz - Input

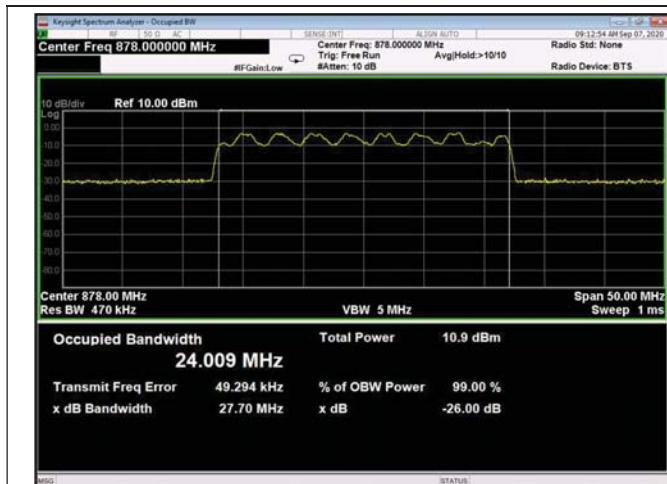


Figure 212: 16QAM 25MHz B.W.; 878.0MHz, 15kHz - Input

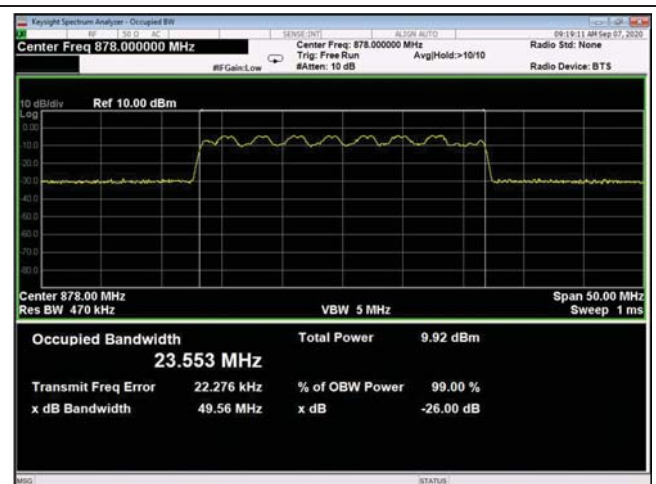


Figure 213: 16QAM 25MHz B.W.; 878.0MHz, 30kHz - Input

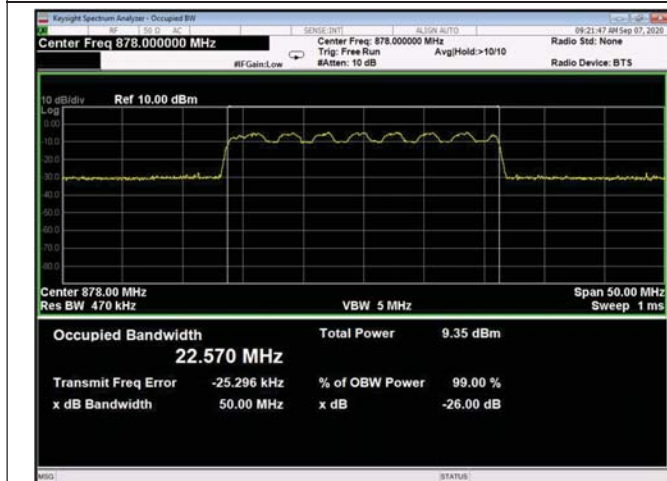


Figure 214: 16QAM 25MHz B.W.; 878.0MHz, 60kHz - Input

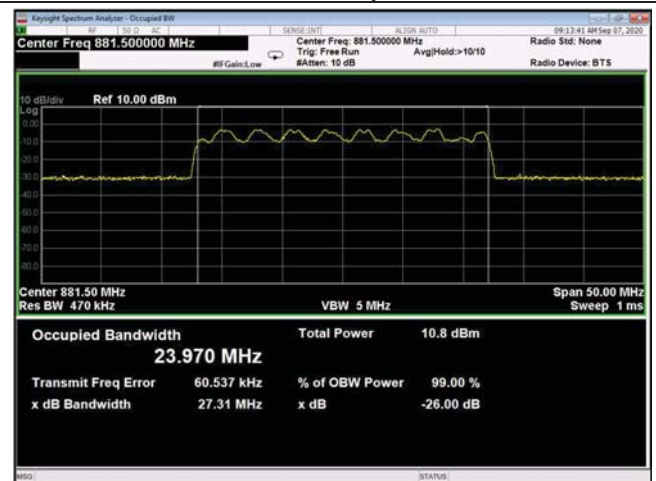


Figure 215: 16QAM 25MHz B.W.; 881.5MHz, 15kHz - Input

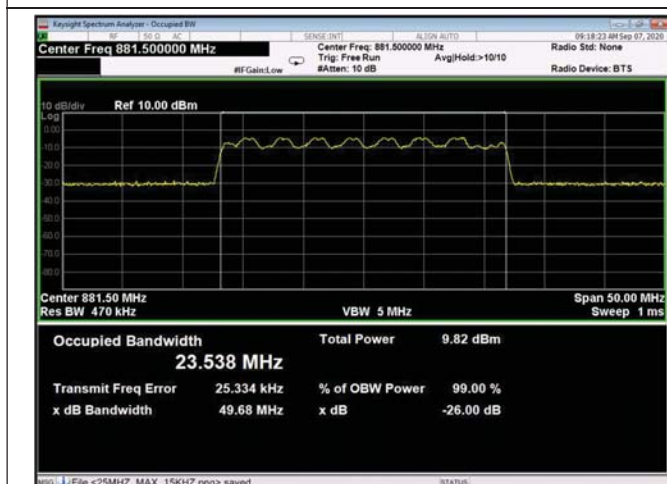


Figure 216: 16QAM 25MHz B.W.; 881.5MHz, 30kHz - Input

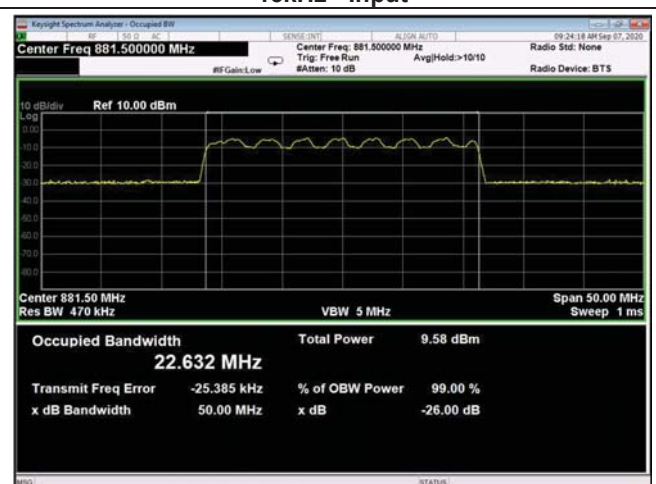


Figure 217: 16QAM 25MHz B.W.; 881.5MHz, 60kHz - Input

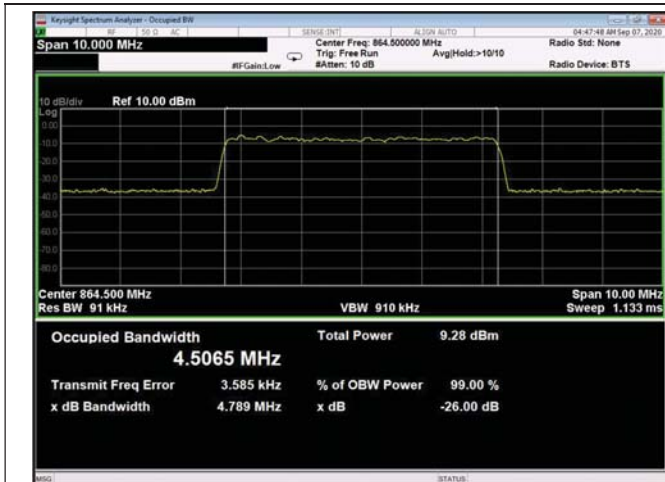


Figure 218: 64QAM 5MHz B.W.; 864.5MHz, 15kHz - Input

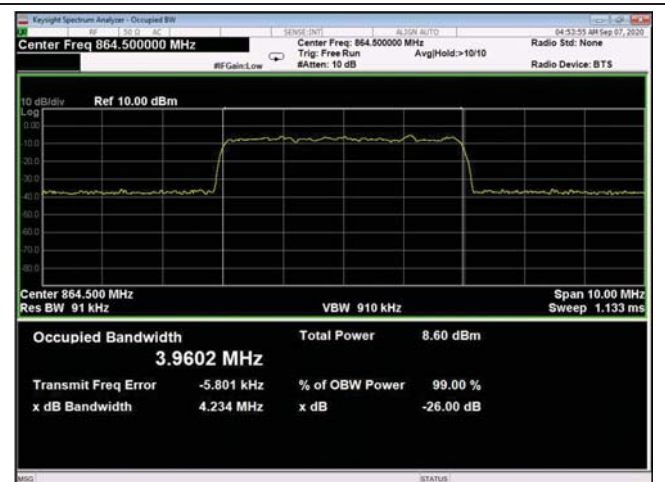


Figure 219: 64QAM 5MHz B.W.; 864.5MHz, 30kHz - Input

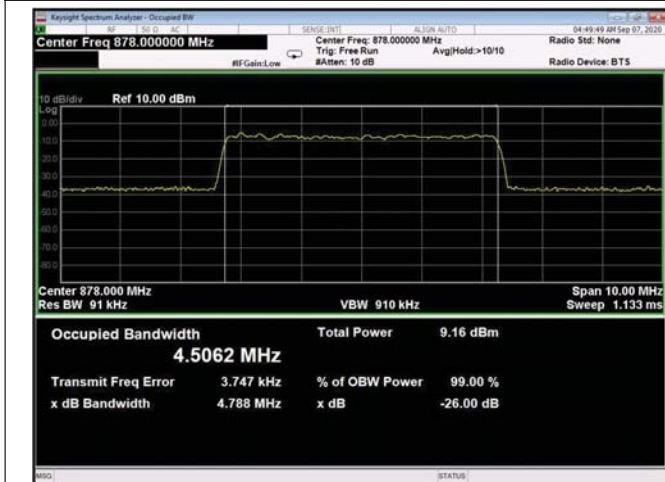


Figure 220: 64QAM 5MHz B.W.; 878.0MHz, 15kHz - Input



Figure 221: 64QAM 5MHz B.W.; 878.0MHz, 30kHz - Input

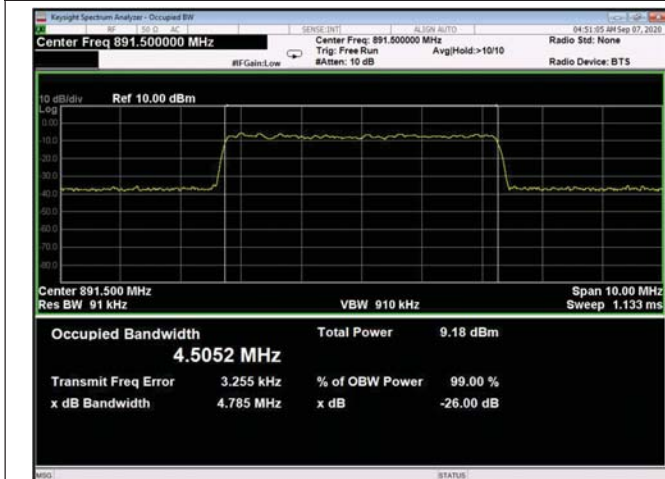


Figure 222: 64QAM 5MHz B.W.; 891.5MHz, 15kHz - Input

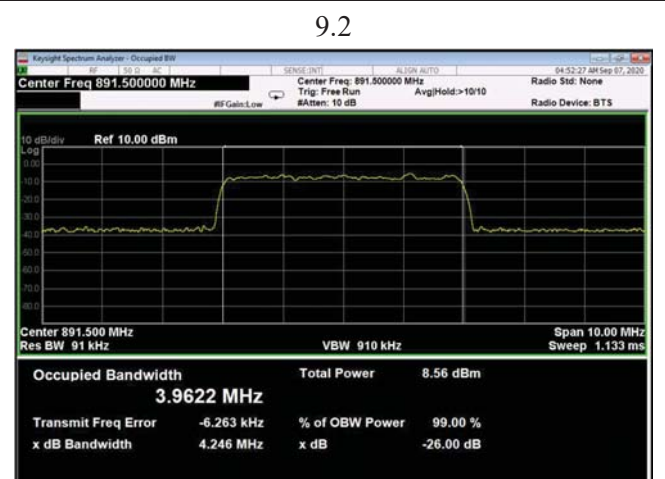


Figure 223: 64QAM 5MHz B.W.; 891.5MHz, 30kHz - Input

9.2

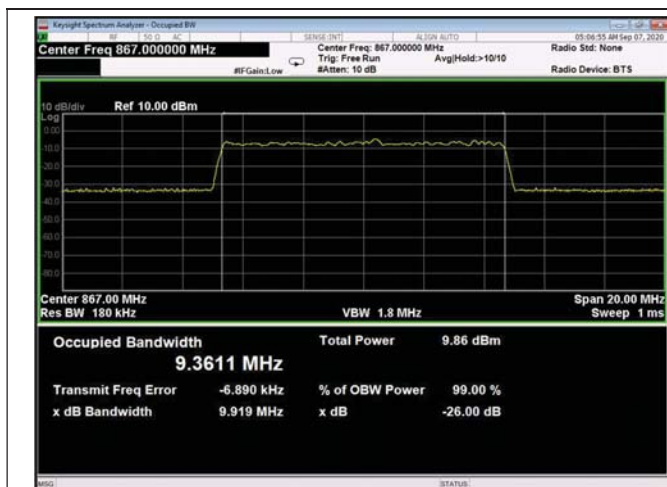


Figure 224: 64QAM 10MHz B.W.; 867.0MHz, 15kHz - Input

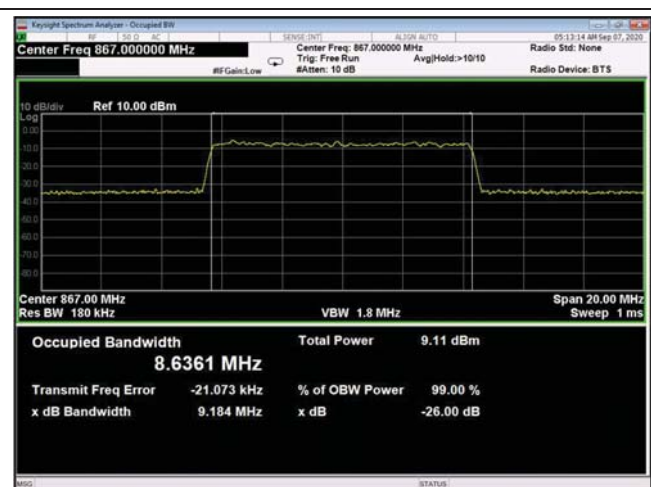


Figure 225: 64QAM 10MHz B.W.; 867.0MHz, 30kHz - Input

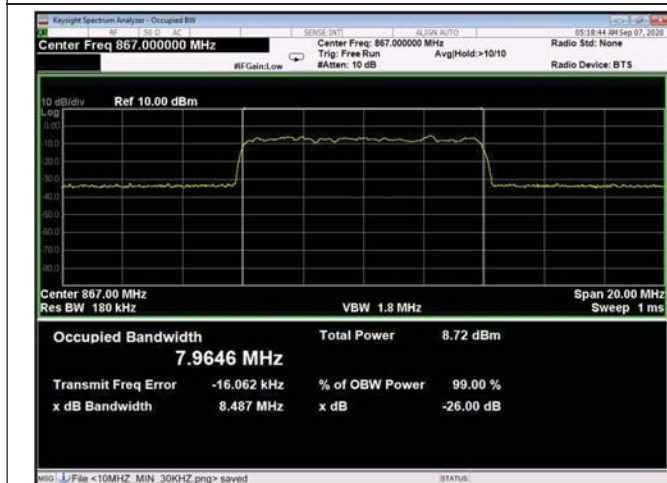


Figure 226: 64QAM 10MHz B.W.; 867.0MHz, 60kHz - Input

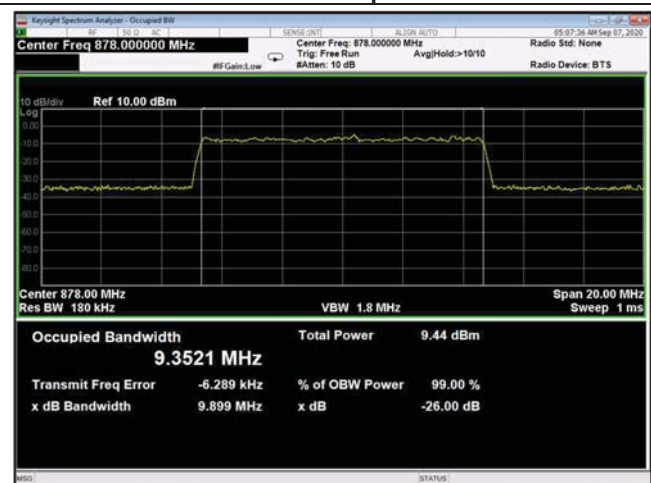


Figure 227: 64QAM 10MHz B.W.; 878.0MHz, 15kHz - Input

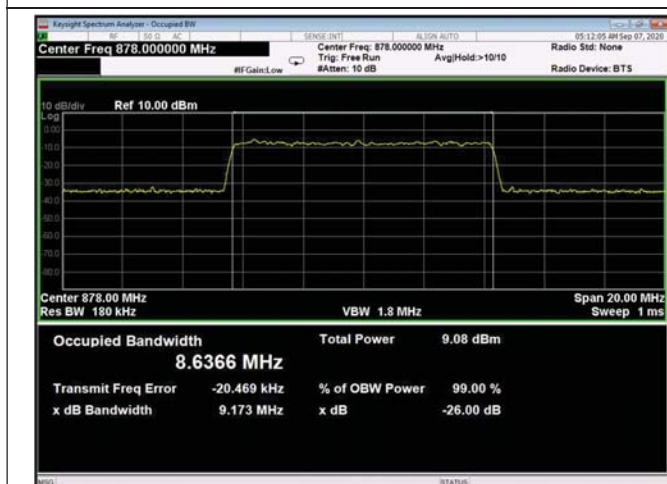


Figure 228: 64QAM 10MHz B.W.; 878.0MHz, 30kHz - Input

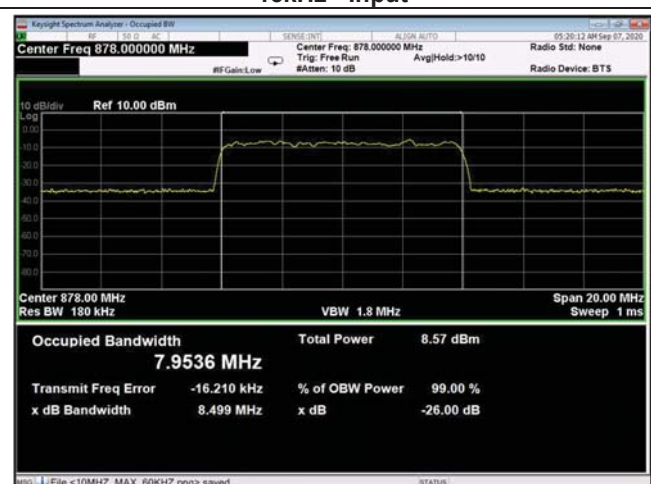


Figure 229: 64QAM 5MHz B.W.; 878.0MHz, 60kHz - Input

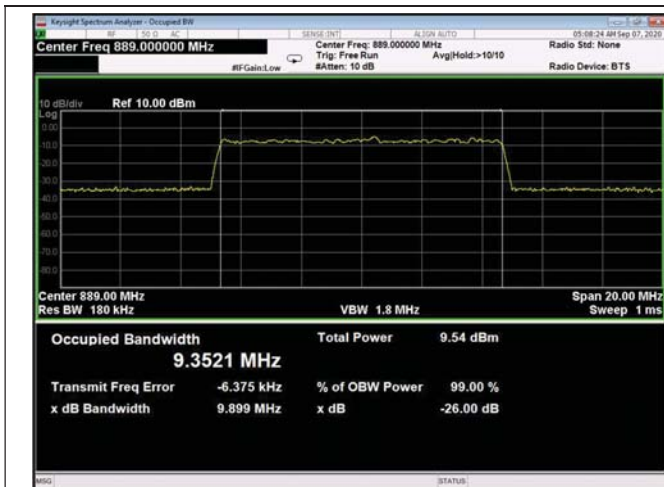


Figure 230: 64QAM 10MHz B.W.; 889.0MHz, 15kHz - Input



Figure 231: 64QAM 10MHz B.W.; 889.0MHz, 30kHz - Input

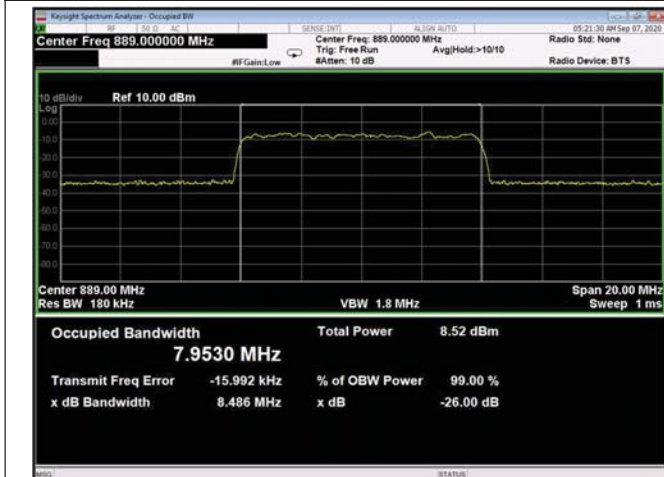


Figure 232: 64QAM 10MHz B.W.; 889.0MHz, 60kHz - Input

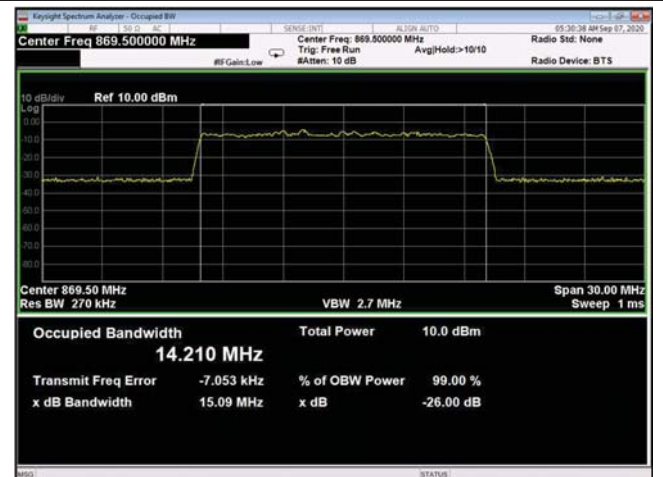


Figure 233: 64QAM 15MHz B.W.; 869.5MHz, 15kHz - Input

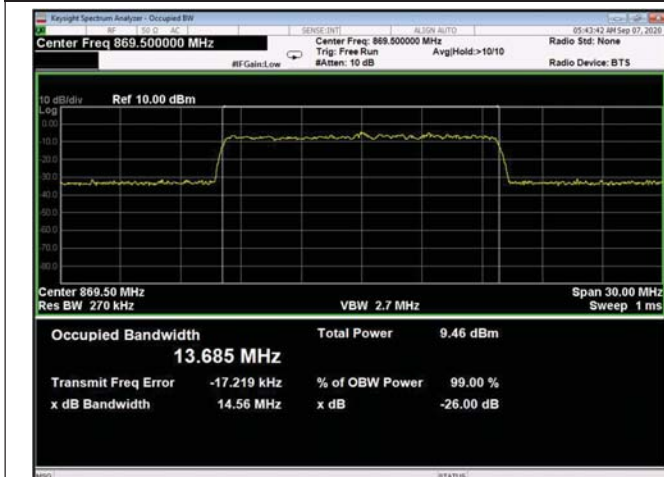


Figure 234: 64QAM 15MHz B.W.; 869.5MHz, 30kHz - Input

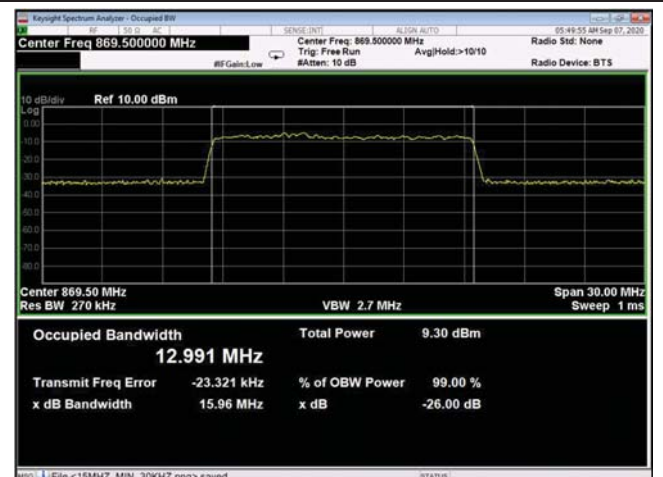


Figure 235: 64QAM 15MHz B.W.; 869.5MHz, 60kHz - Input

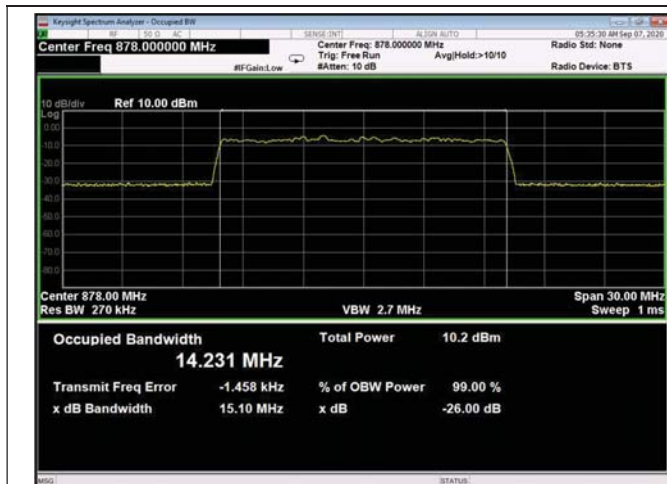


Figure 236: 64QAM 15MHz B.W.; 878.0MHz, 15kHz - Input

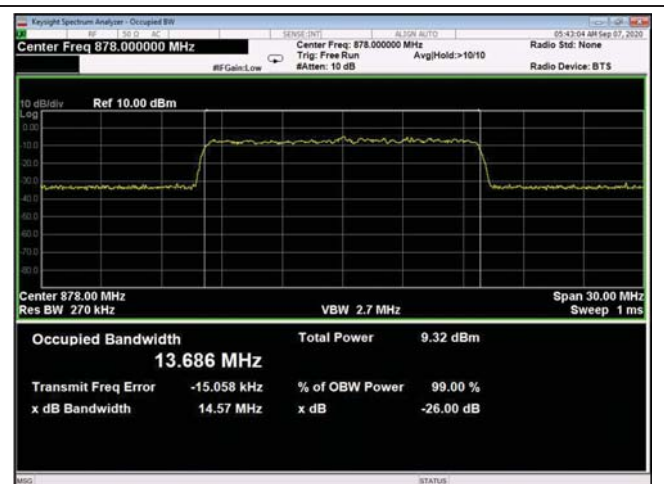


Figure 237: 64QAM 15MHz B.W.; 878.0MHz, 30kHz - Input

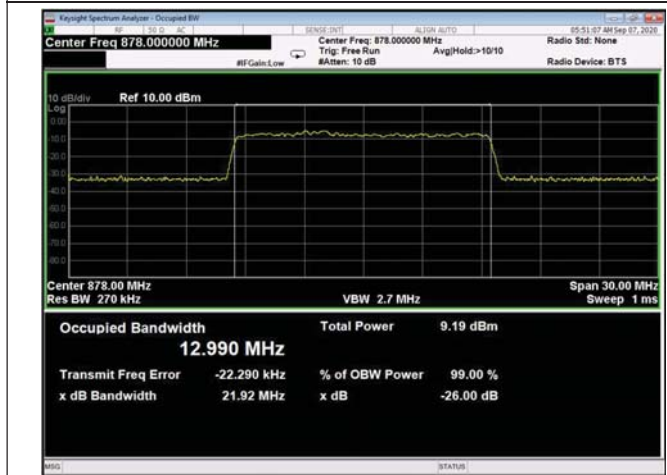


Figure 238: 64QAM 15MHz B.W.; 878.0MHz, 60kHz - Input

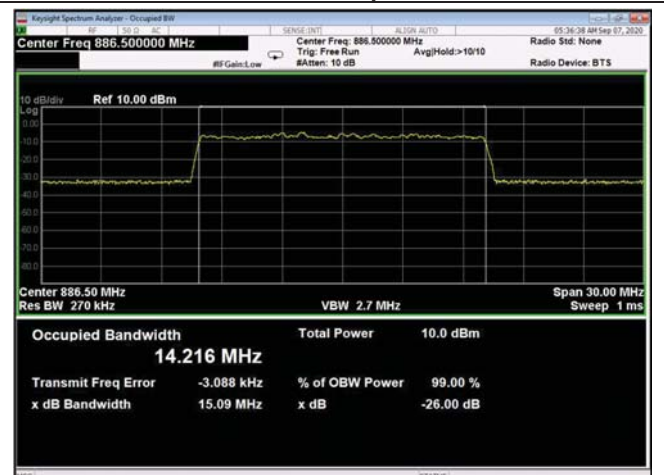


Figure 239: 64QAM 15MHz B.W.; 886.5MHz, 15kHz - Input

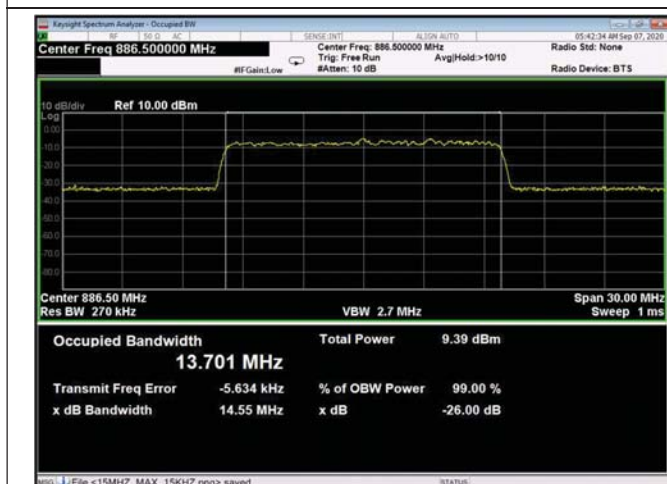


Figure 240: 64QAM 15MHz B.W.; 886.5MHz, 30kHz- Input

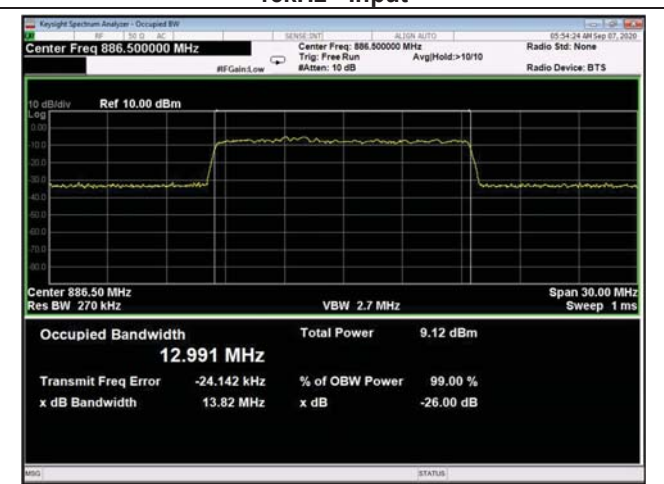


Figure 241: 64QAM 15MHz B.W.; 886.5MHz, 60kHz- Input

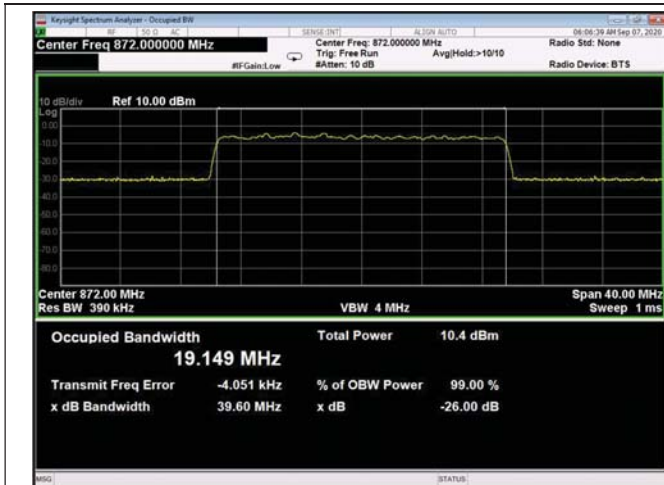


Figure 242: 64QAM 20MHz B.W.; 872.0MHz, 15kHz - Input

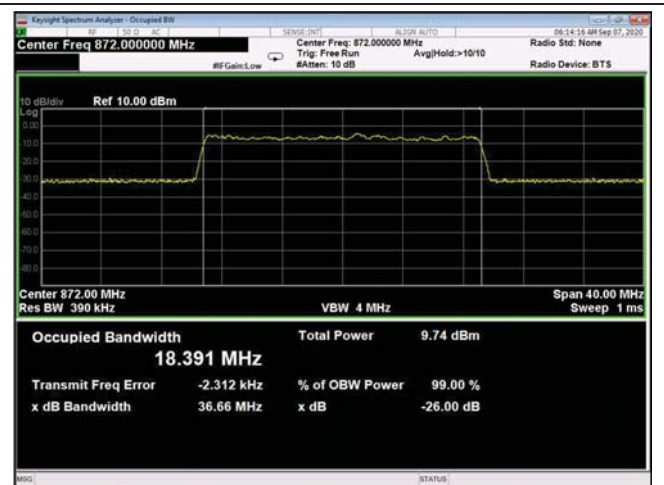


Figure 243: 64QAM 20MHz B.W.; 872.0MHz, 30kHz - Input

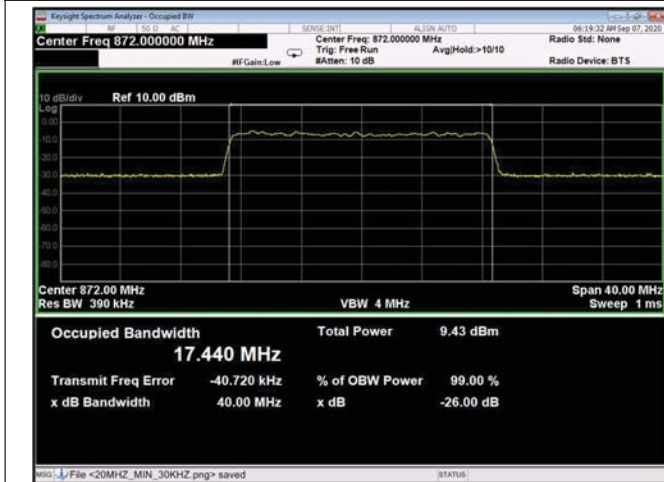


Figure 244: 64QAM 20MHz B.W.; 872.0MHz, 60kHz - Input

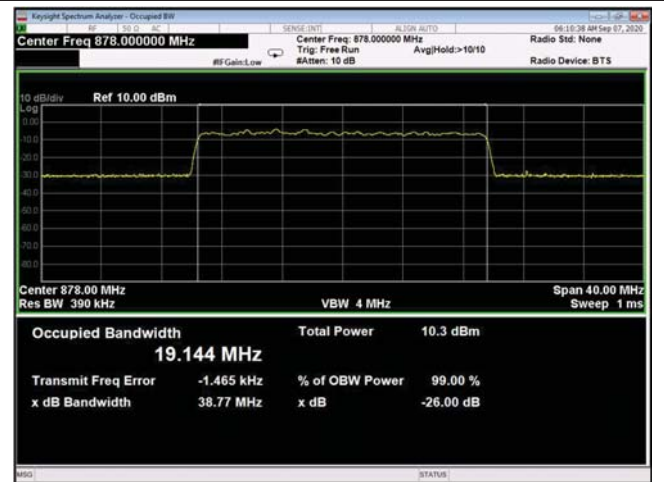


Figure 245: 64QAM 20MHz B.W.; 878.0MHz, 15kHz - Input

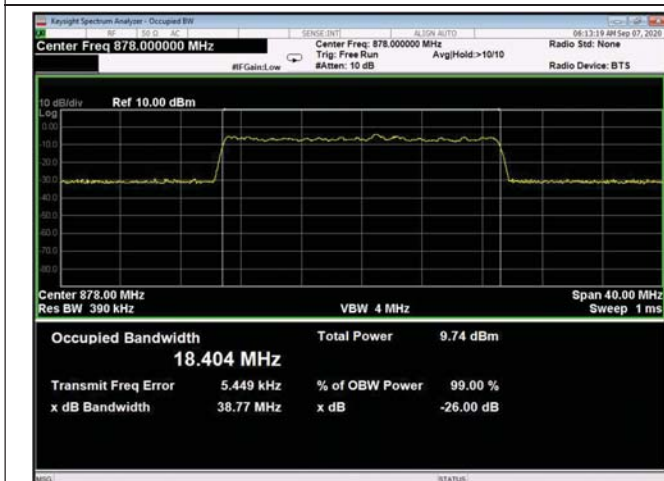


Figure 246: 64QAM 20MHz B.W.; 878.0MHz, 30kHz - Input

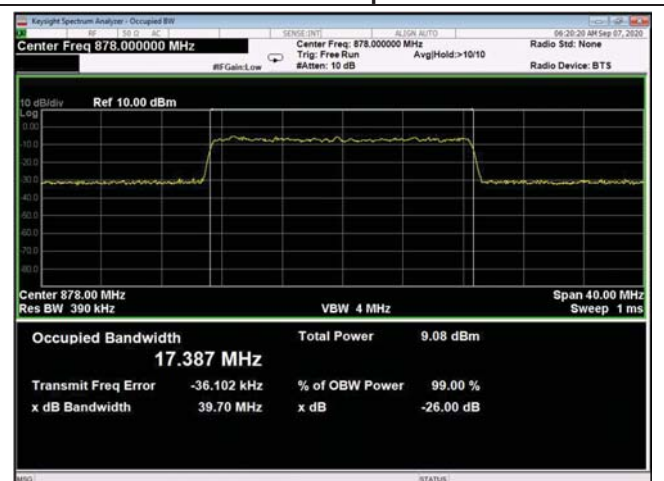


Figure 247: 64QAM 20MHz B.W.; 878.0MHz, 60kHz - Input

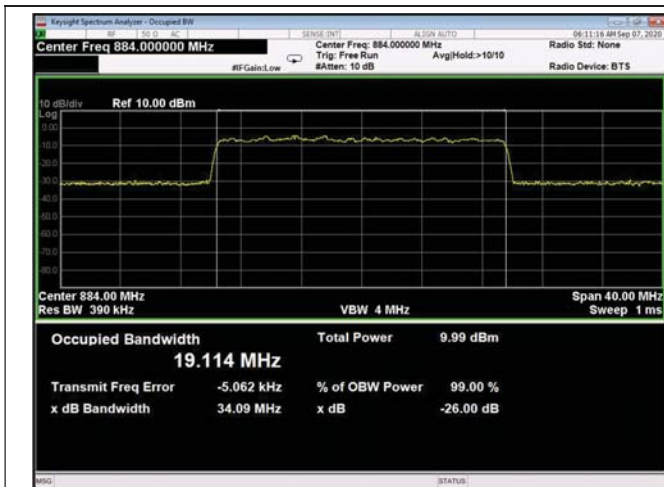


Figure 248: 64QAM 20MHz B.W.; 884.0MHz, 15kHz - Input

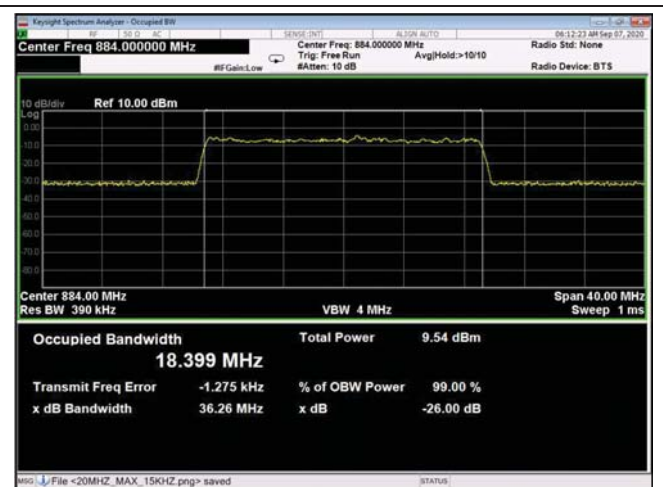


Figure 249: 64QAM 20MHz B.W.; 884.0MHz, 30kHz - Input

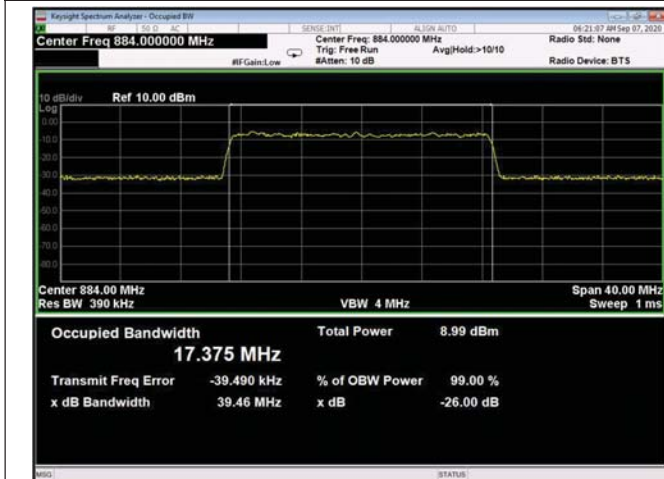


Figure 250: 64QAM 20MHz B.W.; 884.0MHz, 60kHz - Input

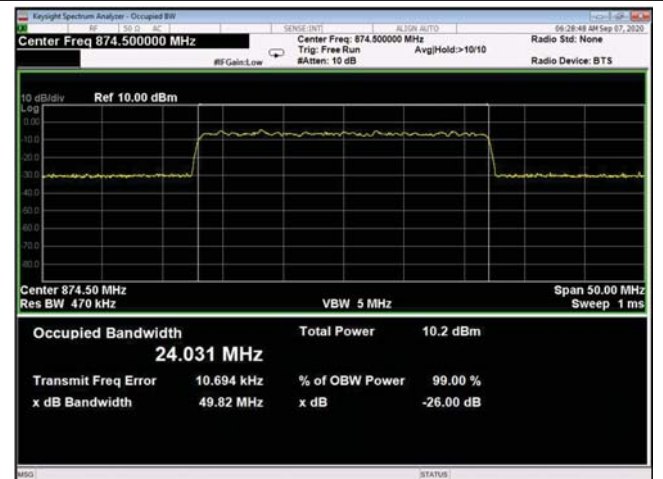


Figure 251: 64QAM 25MHz B.W.; 874.5 MHz, 15kHz - Input

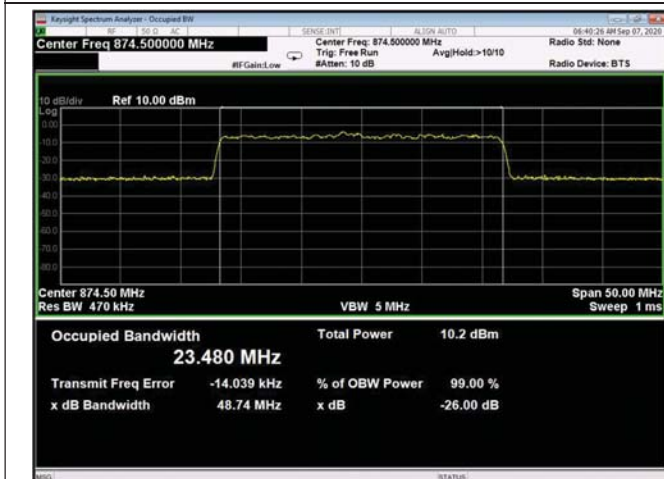


Figure 252: 64QAM 25MHz B.W.; 874.5MHz, 30kHz- Input

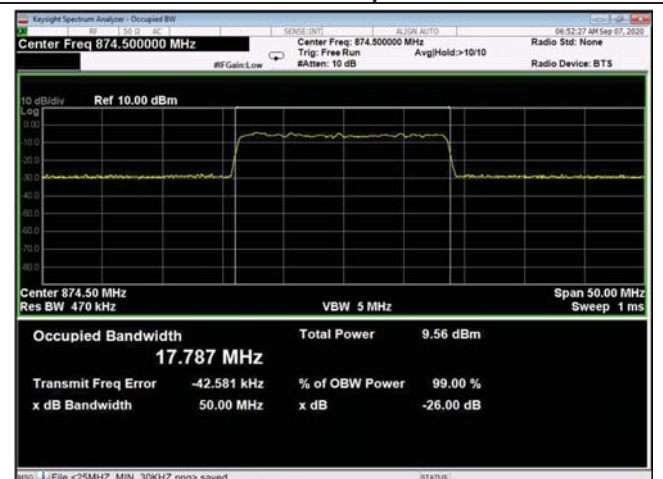


Figure 253: 64QAM 25MHz B.W.; 874.5MHz, 60kHz - Input

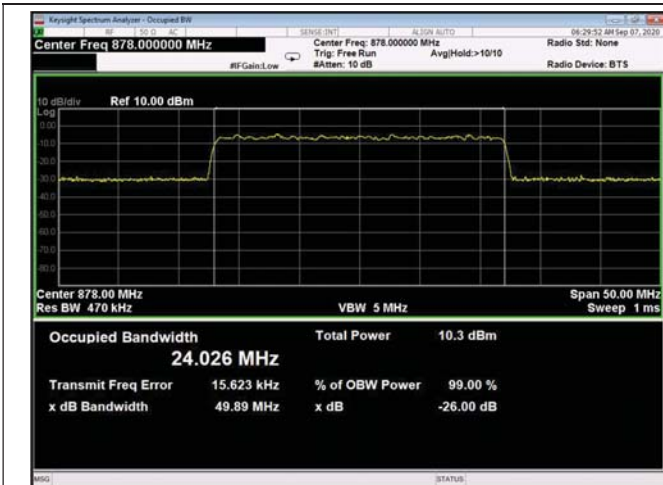


Figure 254: 64QAM 25MHz B.W.; 878.5MHz, 15kHz - Input



Figure 255: 64QAM 25MHz B.W.; 878.5MHz, 30kHz - Input

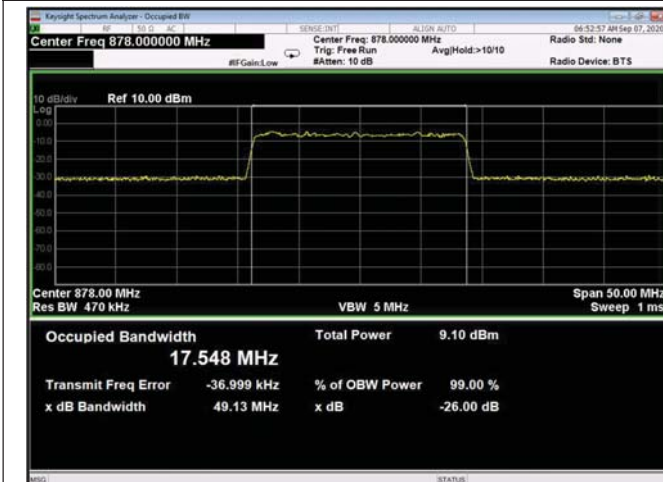


Figure 256: 64QAM 25MHz B.W.; 878.5MHz, 60kHz - Input



Figure 257: 64QAM 25MHz B.W.; 881.5MHz, 15kHz - Input

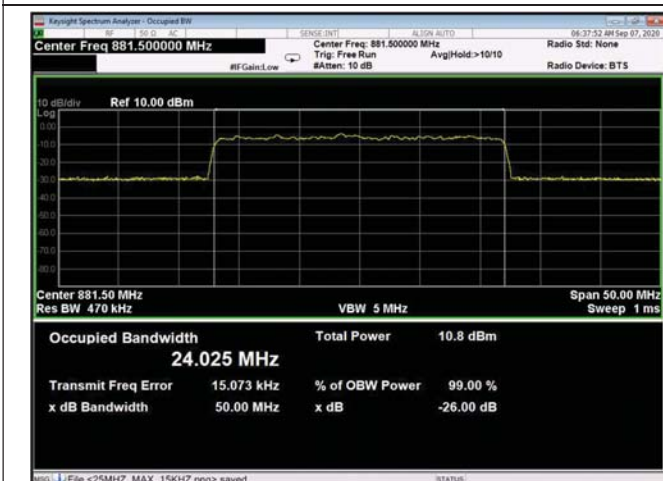


Figure 258: 64QAM 25MHz B.W.; 881.5MHz, 30kHz - Input

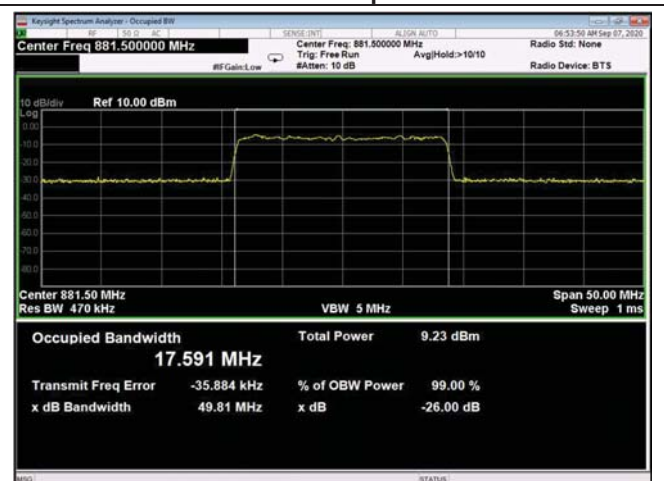


Figure 259: 64QAM 25MHz B.W.; 881.5MHz, 60kHz - Input

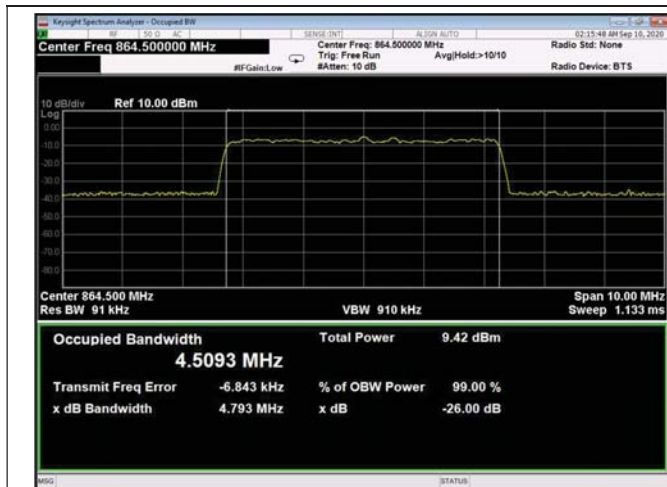


Figure 260: 256QAM 5MHz B.W.; 864.5MHz, 15kHz - Input

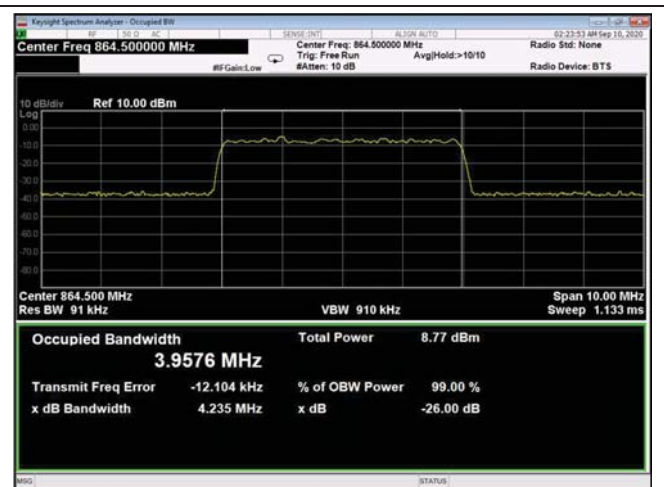


Figure 261: 256QAM 10MHz B.W.; 864.5MHz, 30kHz - Input

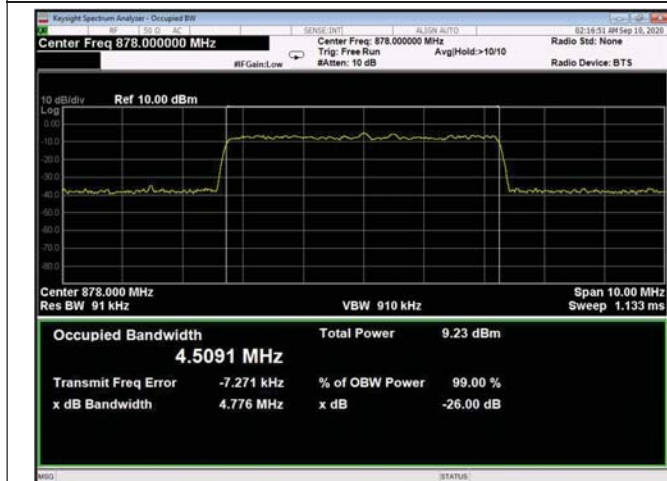


Figure 262: 256QAM 5MHz B.W.; 878.0MHz, 15kHz - Input



Figure 263: 256QAM 5MHz B.W.; 878.0MHz, 30kHz - Input

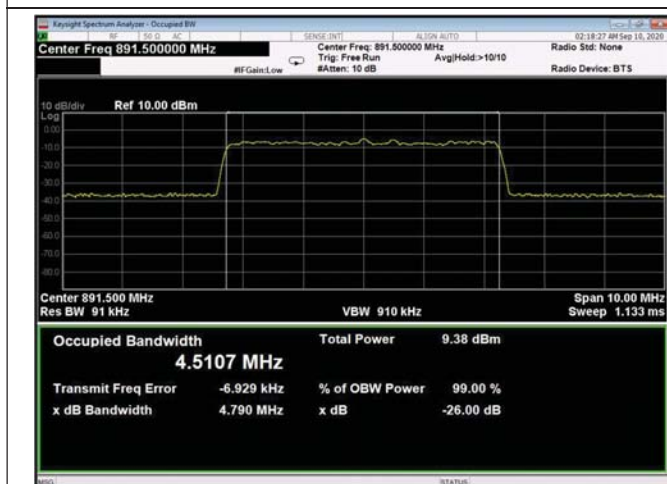


Figure 264: 256QAM 5MHz B.W.; 891.5MHz, 15kHz - Input

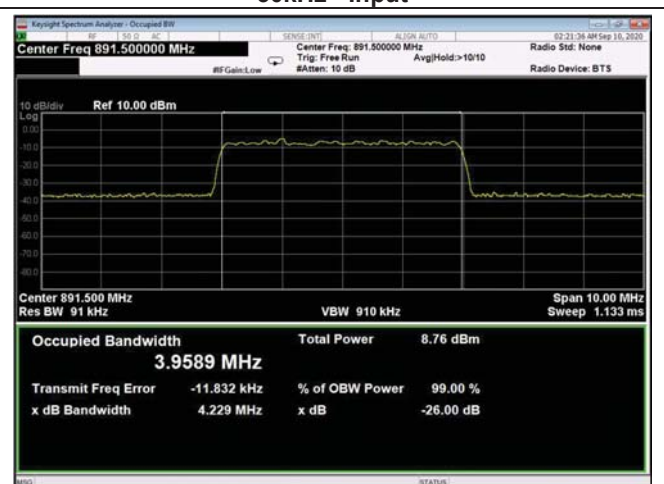


Figure 265: 256QAM 5MHz B.W.; 891.5MHz, 30kHz - Input

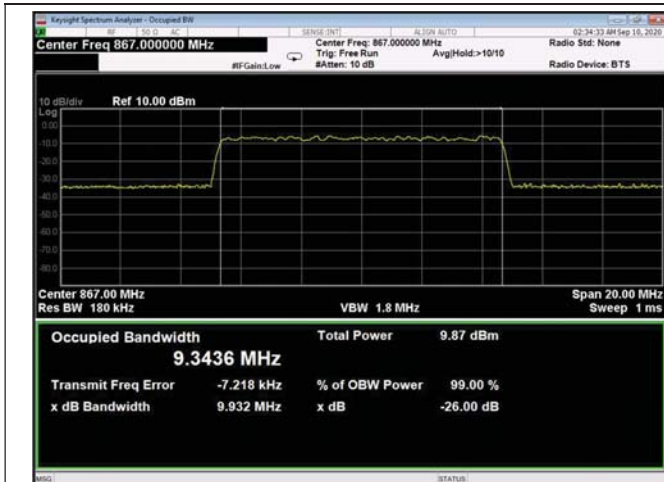


Figure 266: 256QAM 10MHz B.W.; 867.0MHz, 15kHz - Input

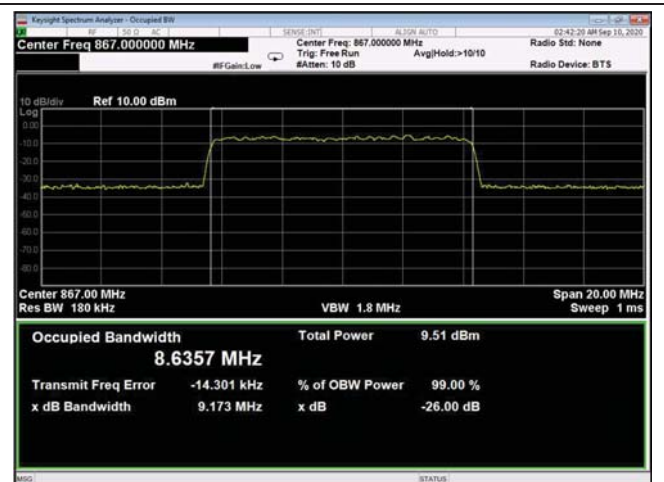


Figure 267: 256QAM 10MHz B.W.; 867.0MHz, 30kHz - Input

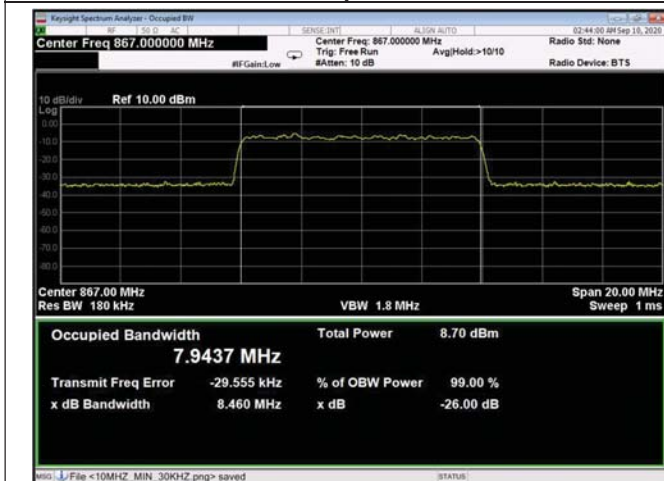


Figure 268: 256QAM 10MHz B.W.; 867.0MHz, 60kHz - Input



Figure 269: 256QAM 10MHz B.W.; 878.0MHz, 15kHz - Input

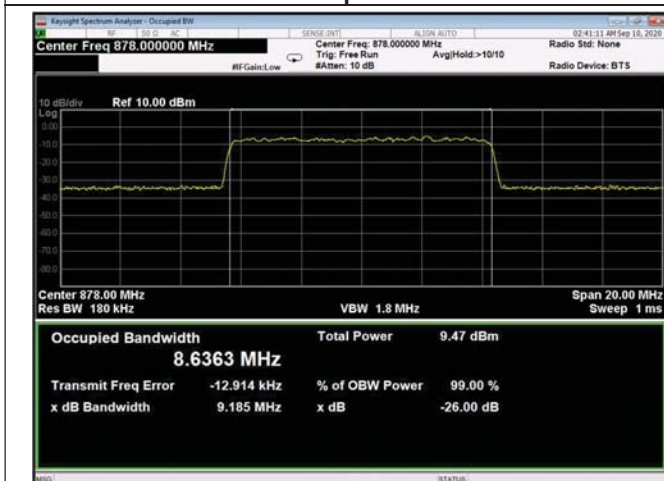


Figure 270: 256QAM 10MHz B.W.; 878.0MHz, 30kHz - Input

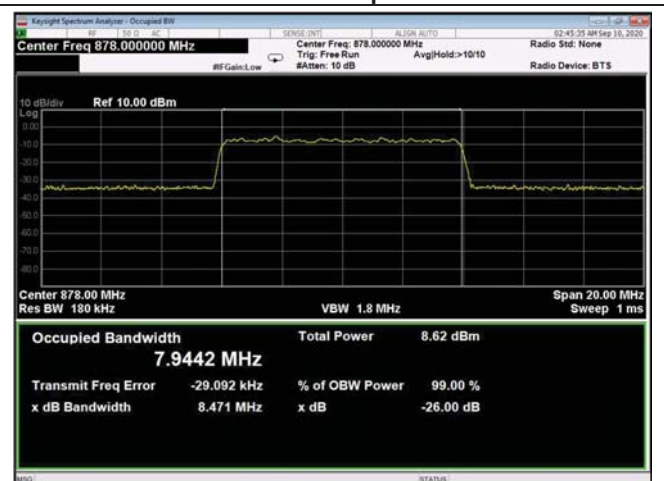


Figure 271: 256QAM 10MHz B.W.; 878.0MHz, 60kHz - Input

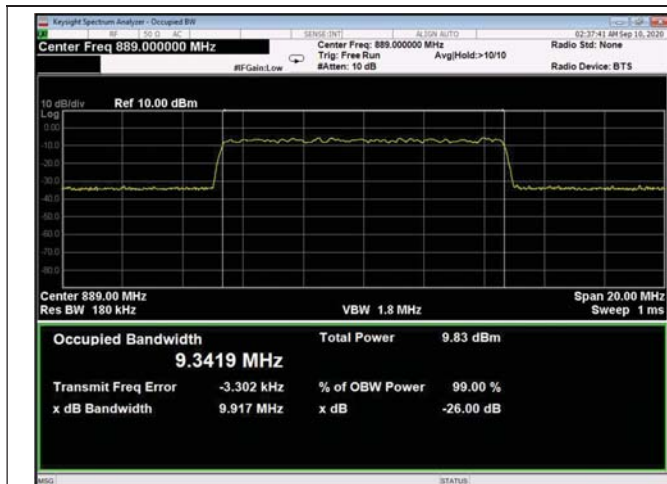


Figure 272: 256QAM 10MHz B.W.; 889.0MHz, 15kHz - Input

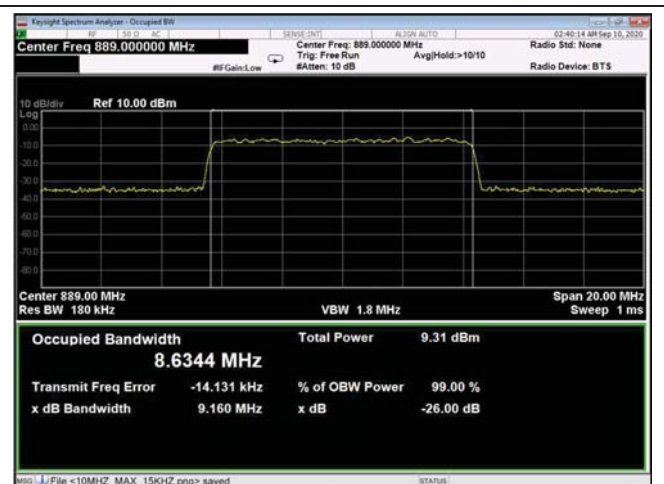


Figure 273: 256QAM 10MHz B.W.; 889.0MHz, 30kHz - Input

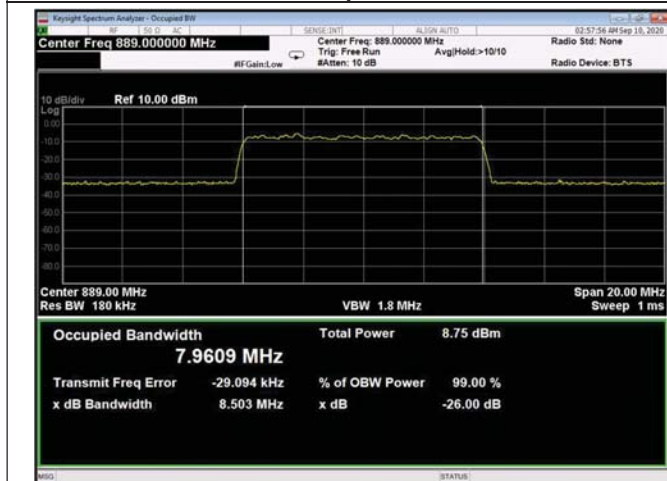


Figure 274: 256QAM 10MHz B.W.; 889.0MHz, 60kHz - Input

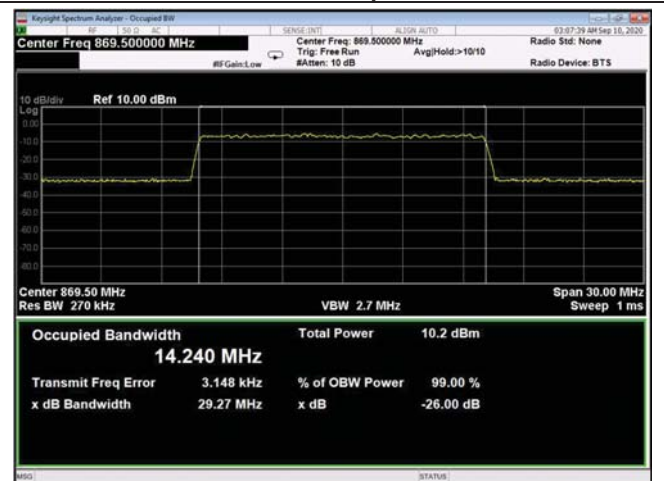


Figure 275: 256QAM 15MHz B.W.; 869.5MHz, 15kHz - Input

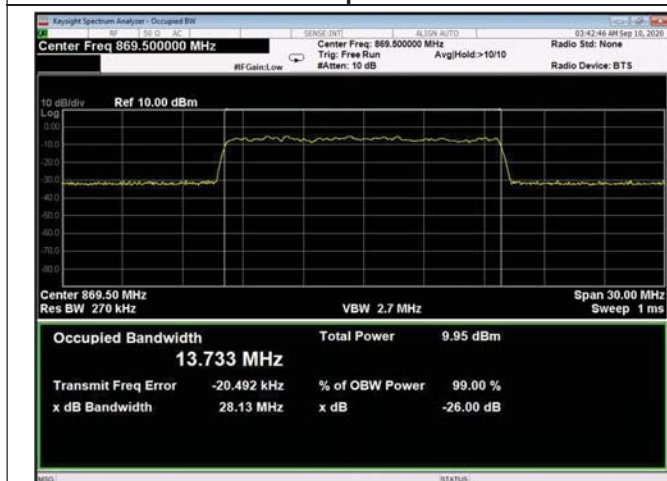


Figure 276: 256QAM 15MHz B.W.; 869.5MHz, 30kHz - Input

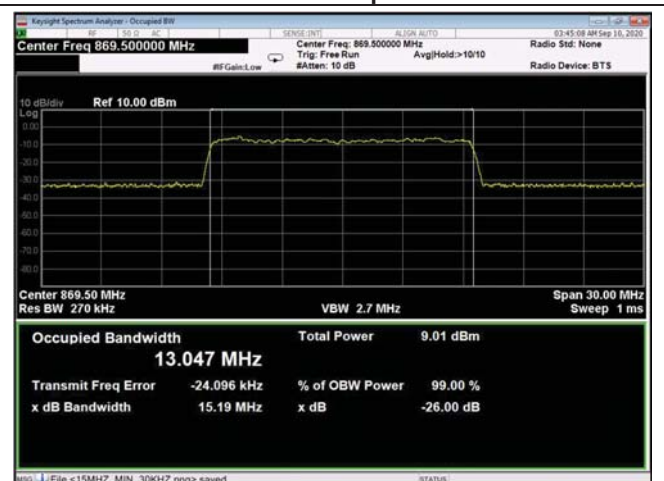


Figure 277: 256QAM 15MHz B.W.; 869.5MHz, 60kHz - Input

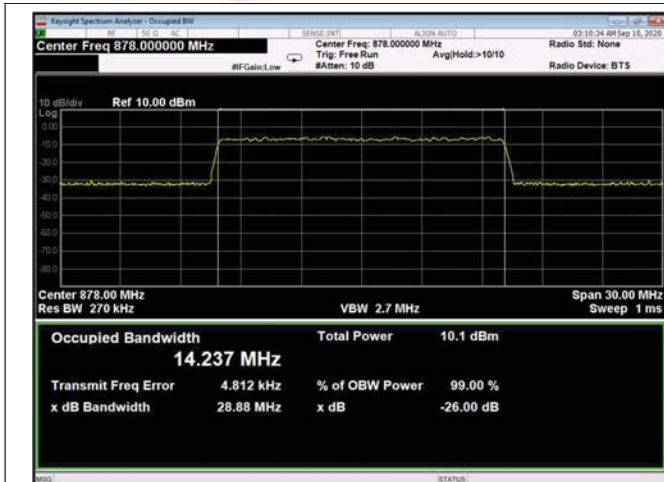


Figure 278: 256QAM 15MHz B.W.; 878.0MHz, 15kHz - Input

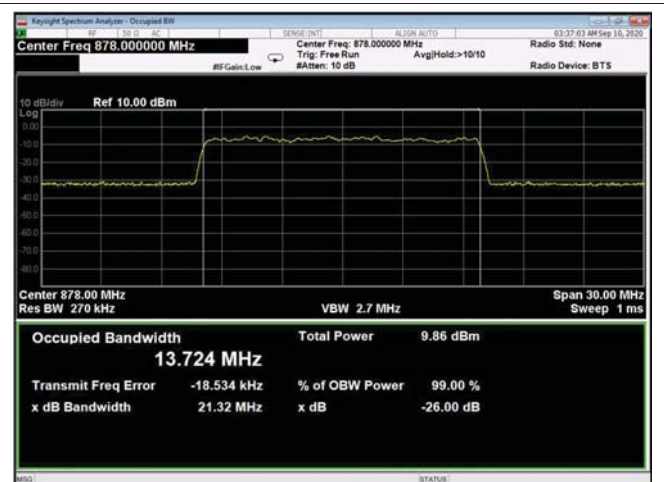


Figure 279: 256QAM 15MHz B.W.; 878.0MHz, 30kHz - Input

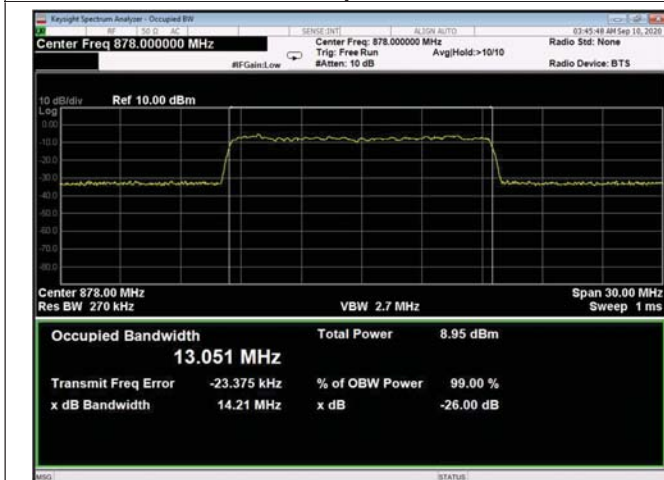


Figure 280: 256QAM 15MHz B.W.; 878.0MHz, 60kHz - Input

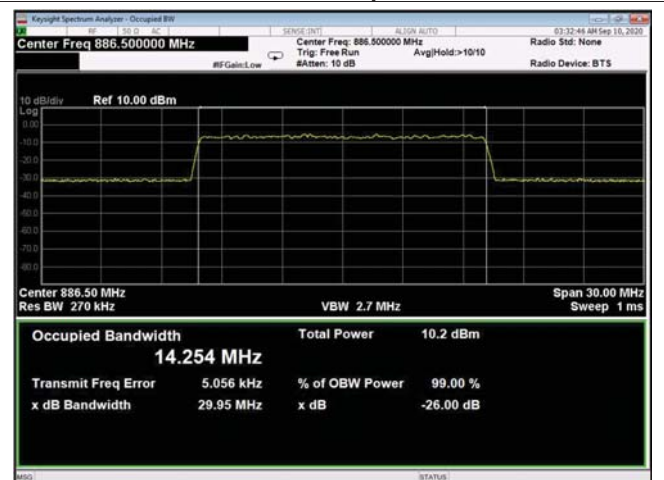


Figure 281: 256QAM 15MHz B.W.; 886.5MHz, 15kHz - Input

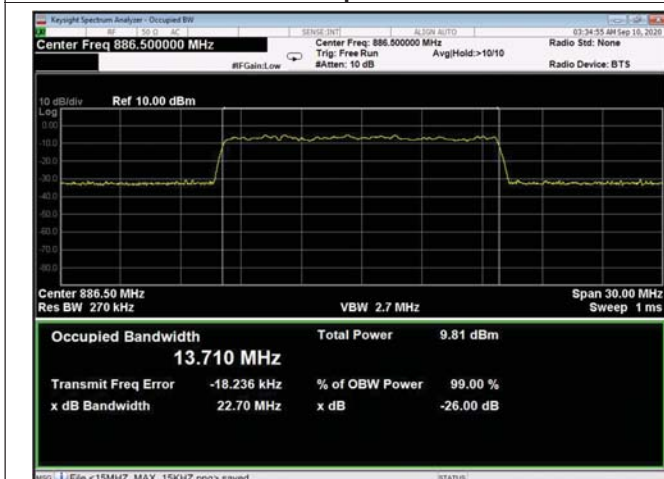


Figure 282: 256QAM 15MHz B.W.; 886.5MHz, 30kHz - Input



Figure 283: 256QAM 15MHz B.W.; 886.5MHz, 60kHz - Input

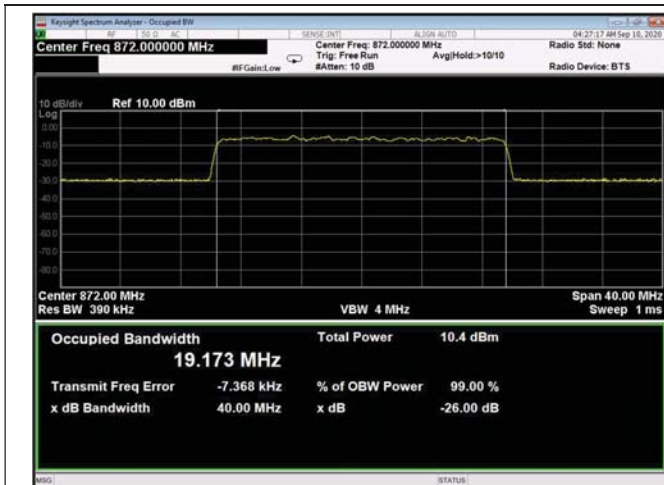


Figure 284: 256QAM 20MHz B.W.; 872.0MHz, 15kHz - Input

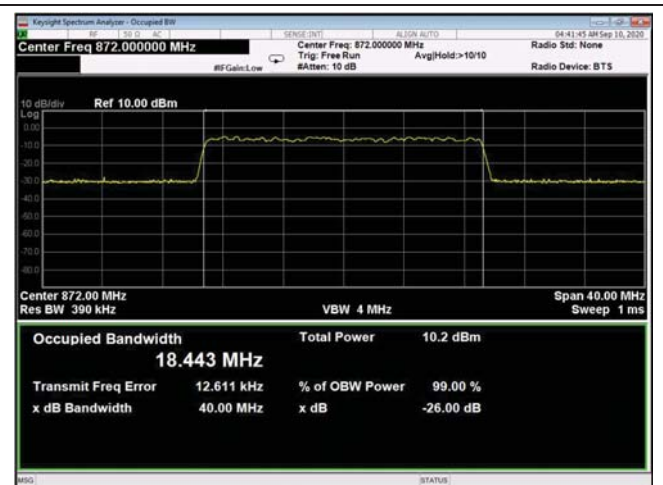


Figure 285: 256QAM 20MHz B.W.; 872.0MHz, 30kHz - Input

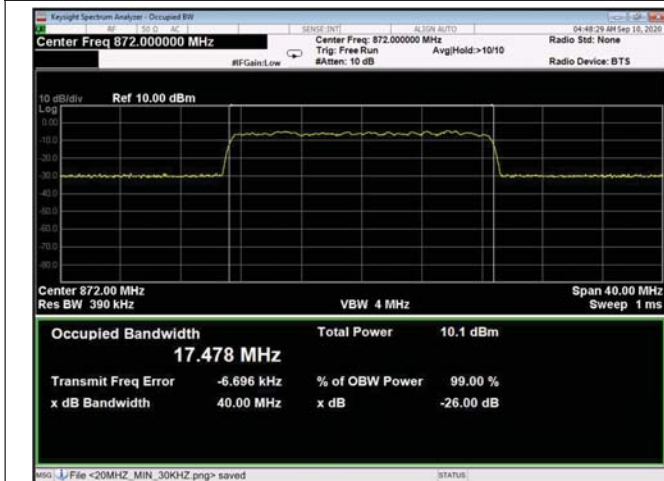


Figure 286: 256QAM 20MHz B.W.; 872.0MHz, 60kHz - Input

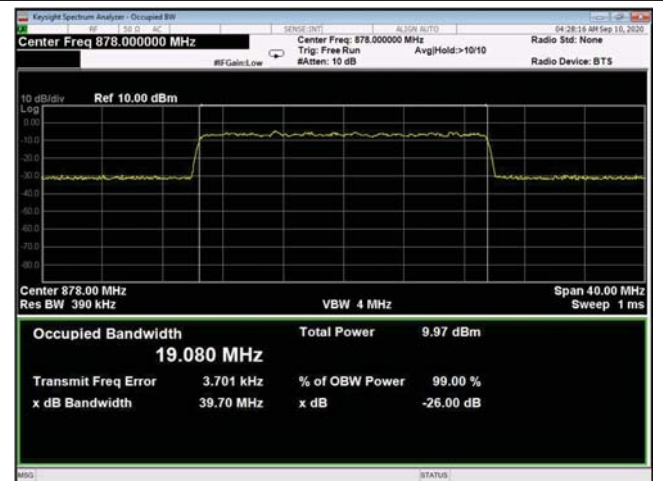


Figure 287: 256QAM 20MHz B.W.; 878.0MHz, 15kHz - Input

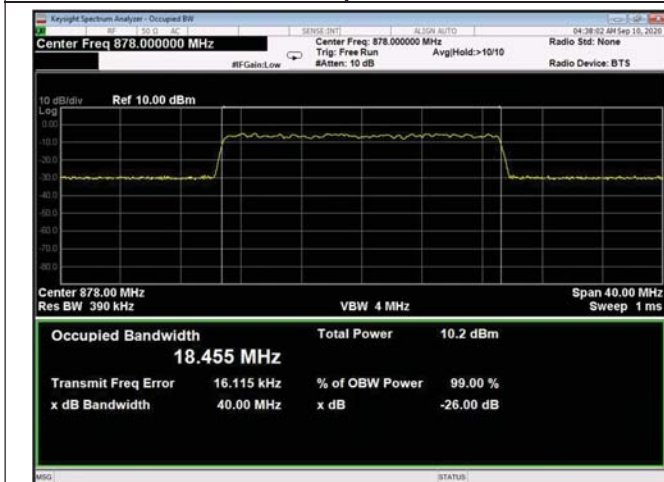


Figure 288: 256QAM 20MHz B.W.; 878.0MHz, 30kHz - Input



Figure 289: 256QAM 20MHz B.W.; 878.0MHz, 60kHz - Input

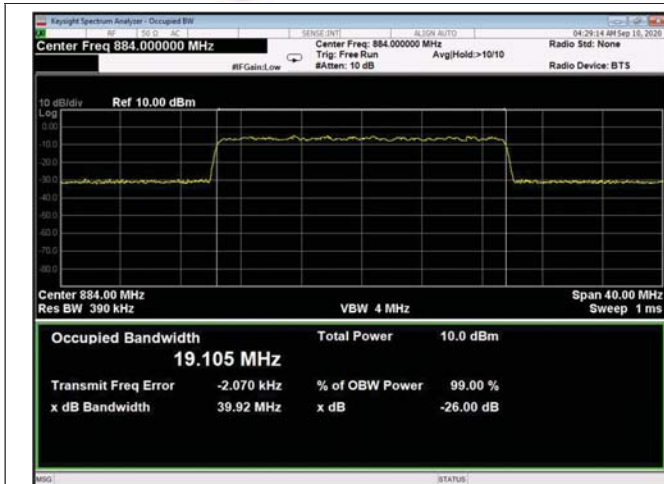


Figure 290: 256QAM 20MHz B.W.; 884.0MHz, 15kHz - Input

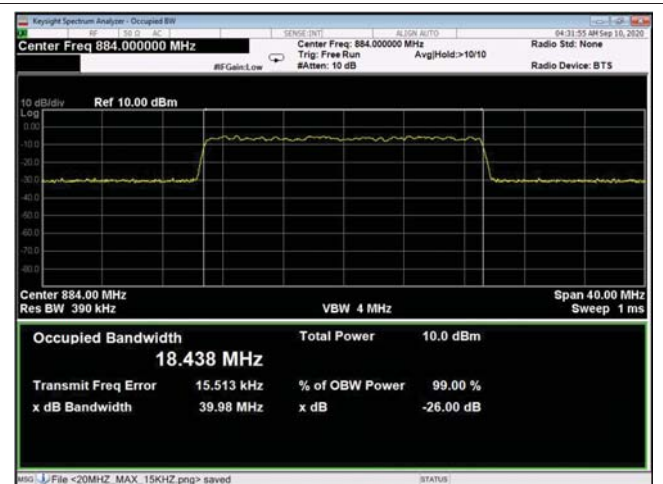


Figure 291: 256QAM 20MHz B.W.; 884.0MHz, 30kHz - Input

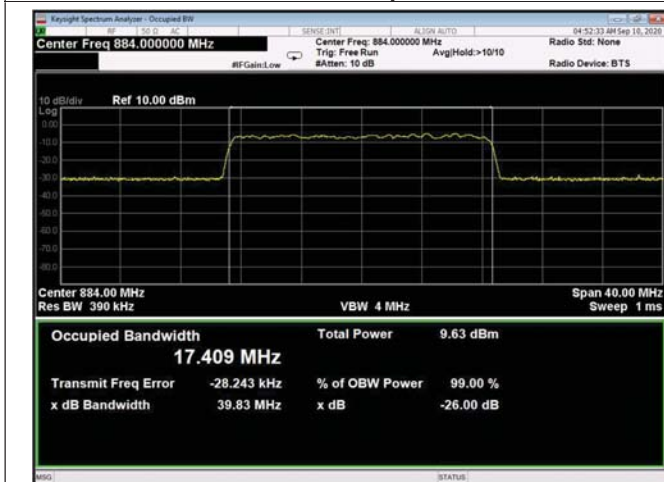


Figure 292: 256QAM 20MHz B.W.; 884.0MHz, 60kHz - Input

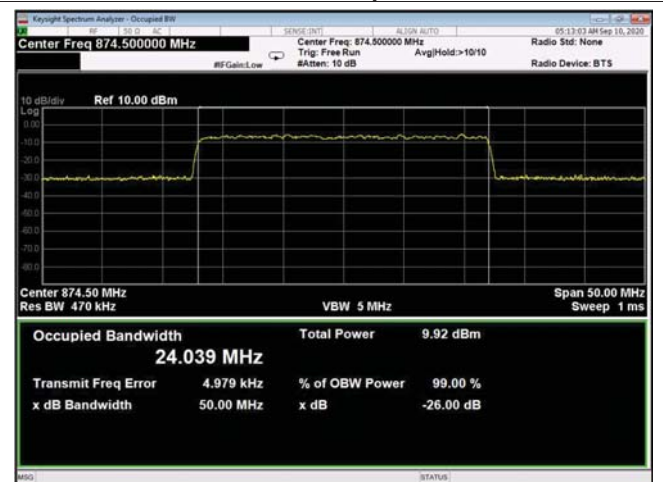


Figure 293: 256QAM 25MHz B.W.; 874.5MHz, 15kHz - Input

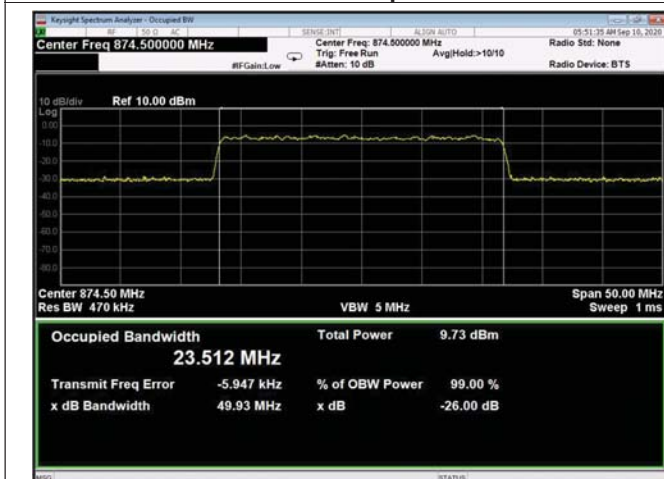


Figure 294: 256QAM 25MHz B.W.; 874.5MHz, 30kHz - Input

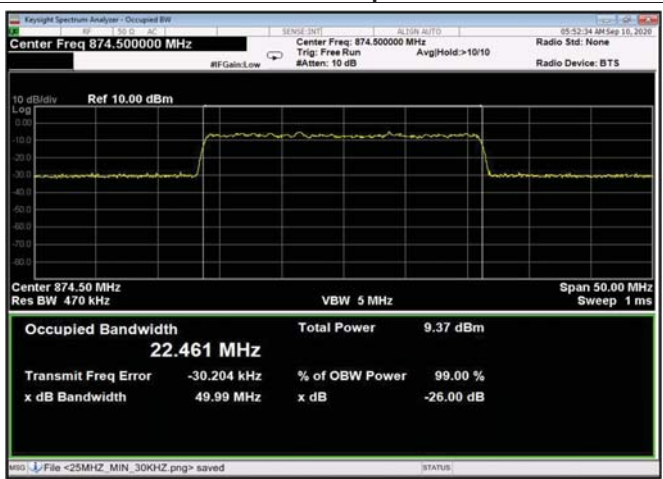


Figure 295: 256QAM 25MHz B.W.; 874.5MHz, 60kHz - Input

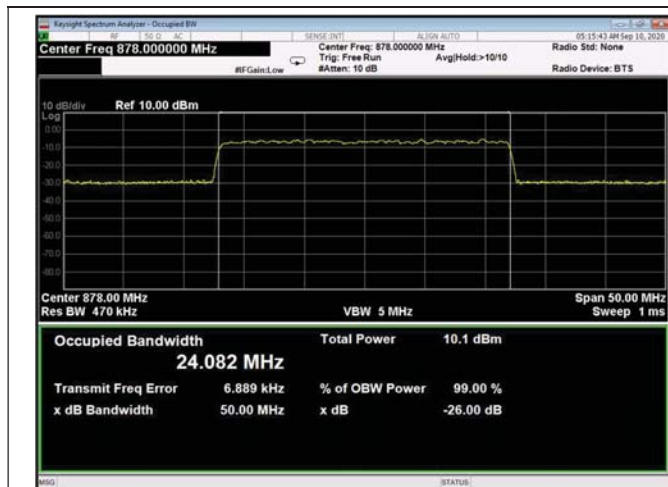


Figure 296: 256QAM 25MHz B.W.; 878.0MHz, 15kHz - Input

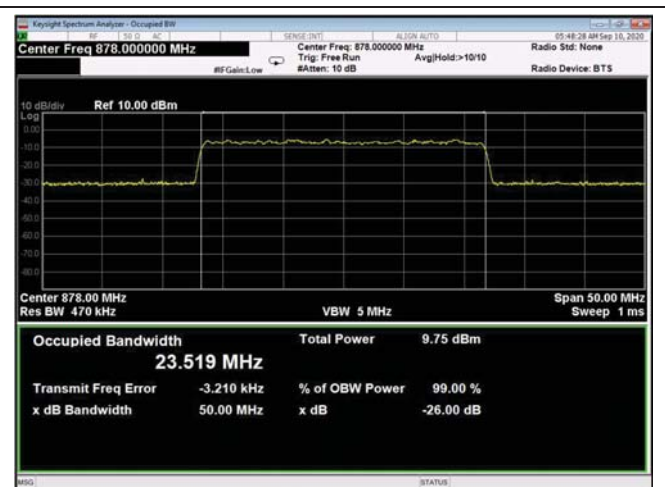


Figure 297: 256QAM 25MHz B.W.; 878.0MHz, 30kHz - Input

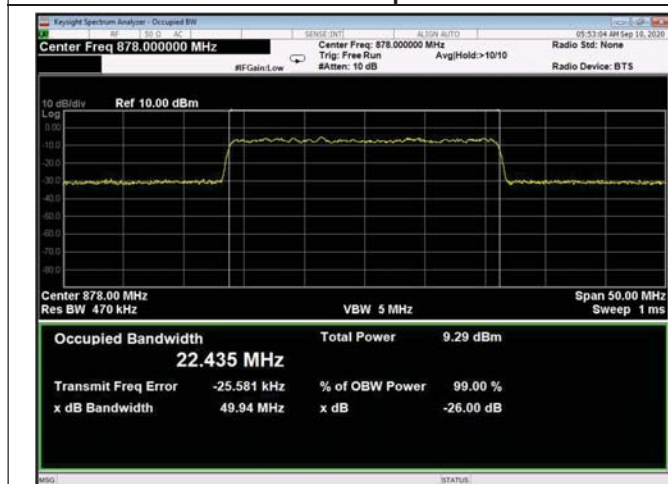


Figure 298: 256QAM 25MHz B.W.; 878.0MHz, 60kHz - Input

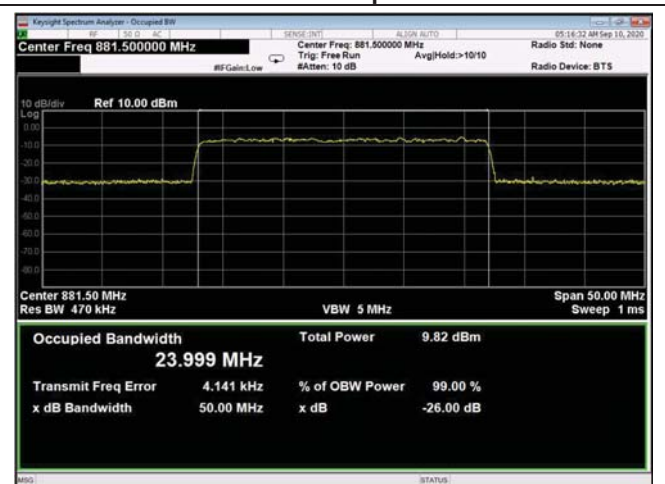


Figure 299: 256QAM 25MHz B.W.; 881.5MHz, 15kHz - Input

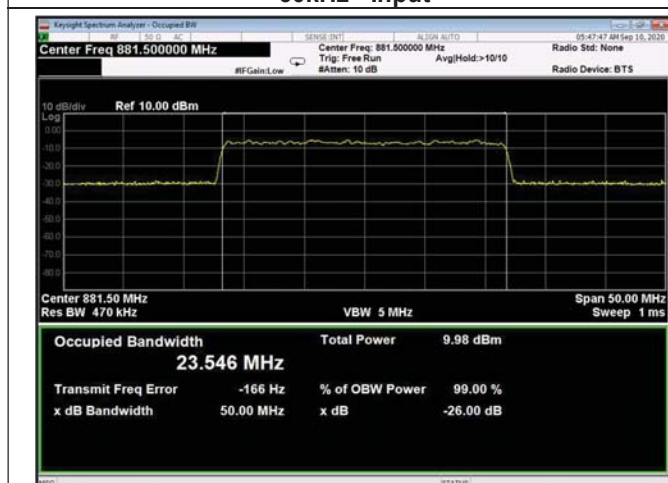


Figure 300: 256QAM 25MHz B.W.; 881.5MHz, 30kHz - Input

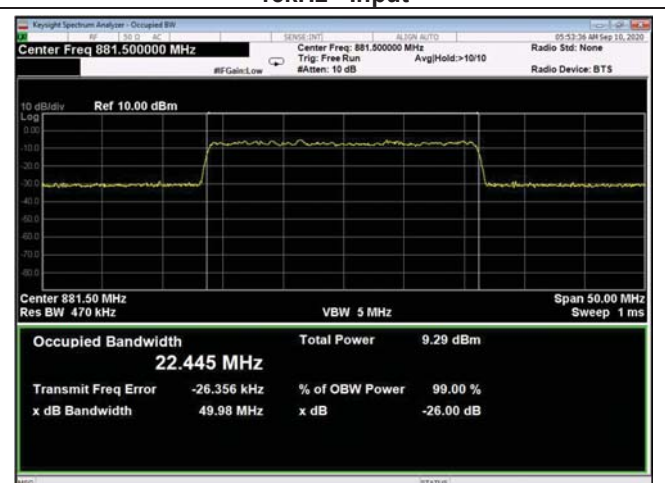


Figure 301: 256QAM 25MHz B.W.; 881.5MHz, 60kHz - Input

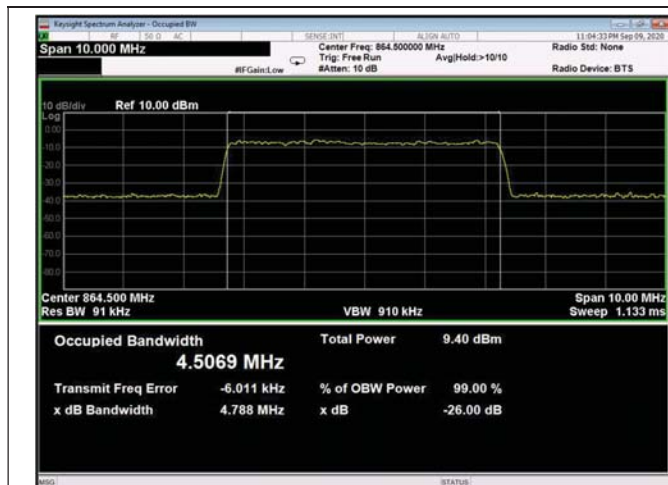


Figure 302: QPSK 5MHz B.W.; 864.5MHz, 15kHz - Input

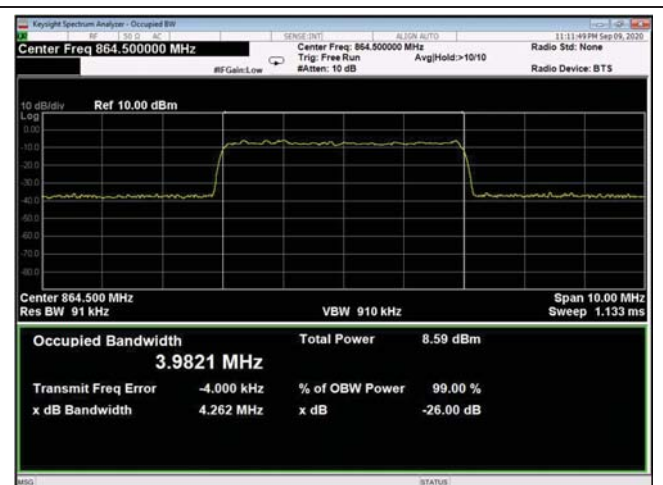


Figure 303: QPSK 5MHz B.W.; 864.5MHz, 30kHz - Input

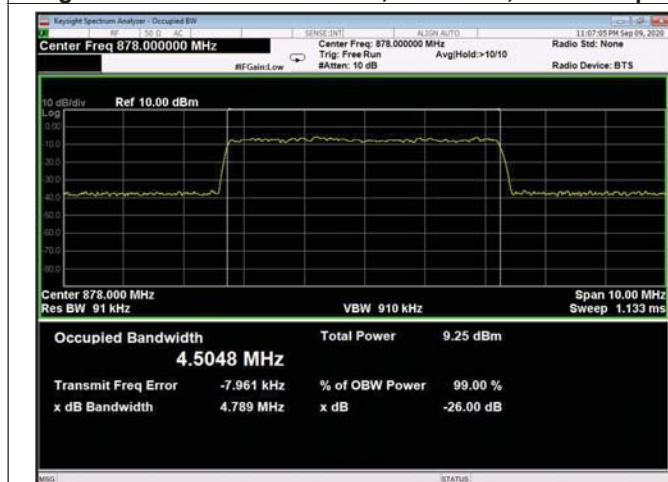


Figure 304: QPSK 5MHz B.W.; 878.0MHz, 15kHz - Input

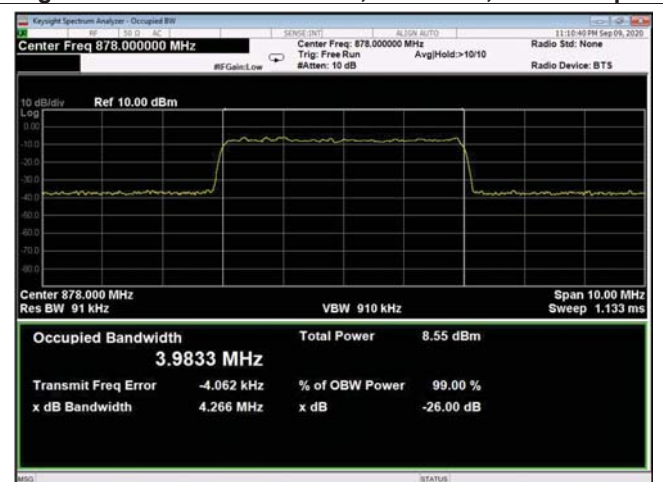


Figure 305: QPSK 5MHz B.W.; 878.0MHz, 30kHz - Input

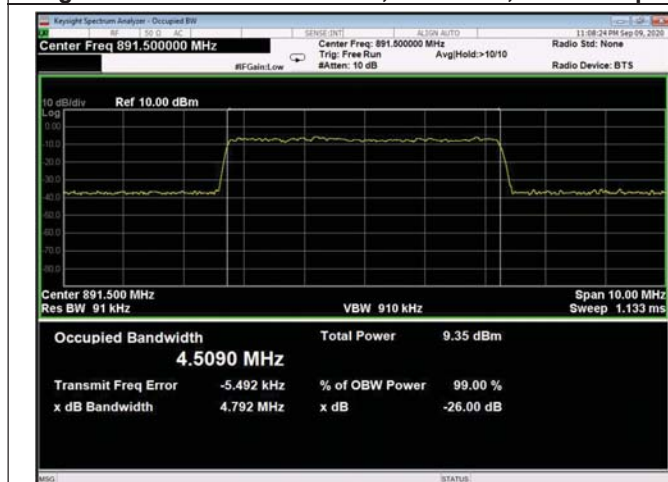


Figure 306: QPSK 5MHz B.W.; 891.50MHz, 15kHz - Input

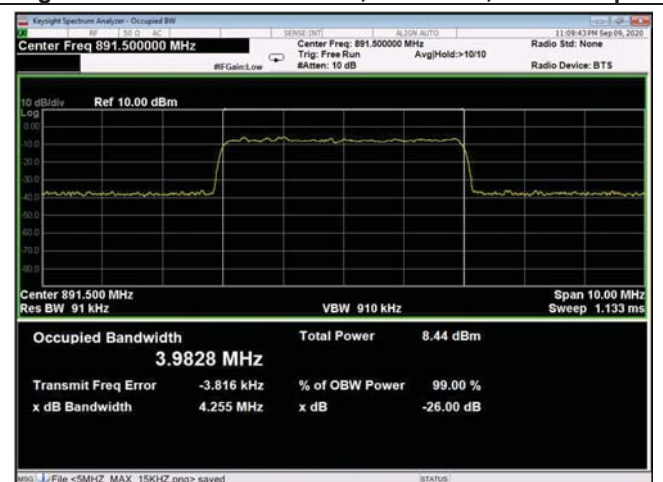


Figure 307: QPSK 5MHz B.W.; 891.5MHz, 30kHz - Input

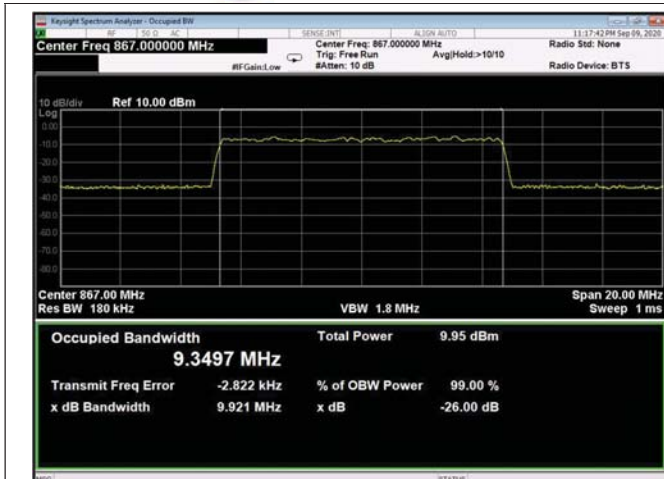


Figure 308: QPSK 10MHz B.W.; 867.0MHz, 15kHz - Input

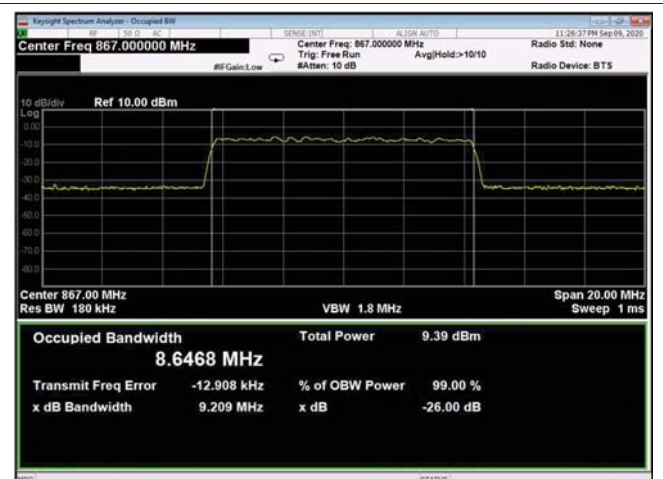


Figure 309: QPSK 10MHz B.W.; 867.0MHz, 30kHz - Input

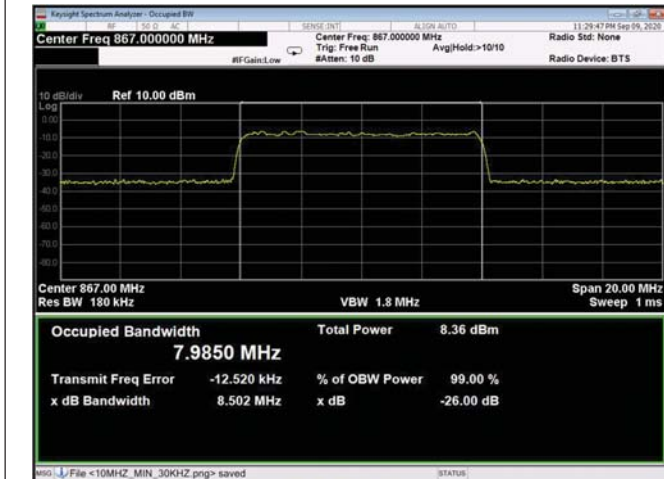


Figure 310: QPSK 10MHz B.W.; 867.0MHz, 60kHz - Input



Figure 311: QPSK 10MHz B.W.; 878.0MHz, 15kHz - Input

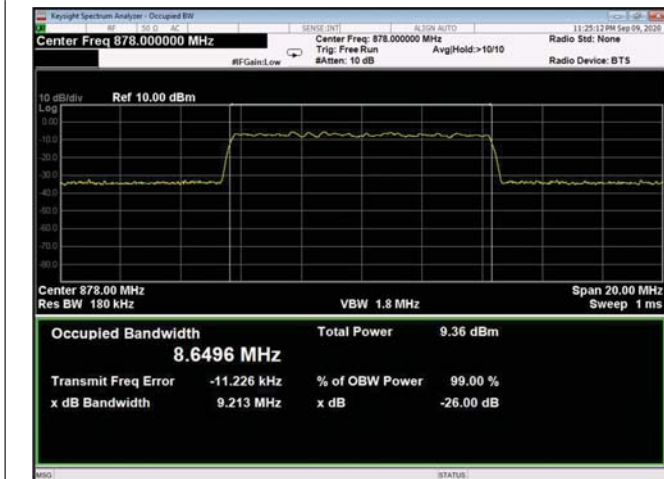


Figure 312: QPSK 10MHz B.W.; 878.0MHz, 30kHz - Input

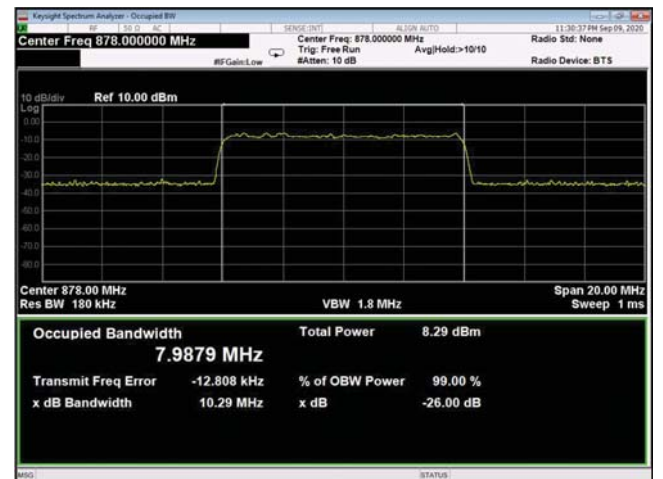


Figure 313: QPSK 10MHz B.W.; 878.0MHz, 60kHz - Input

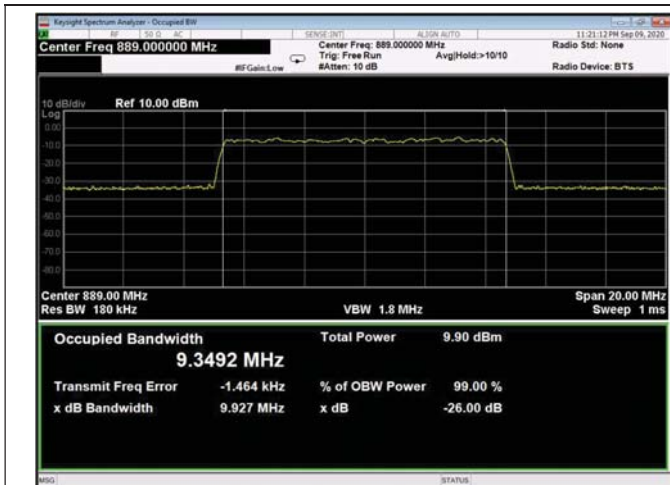


Figure 314: QPSK 10MHz B.W.; 889.0MHz, 15kHz - Input

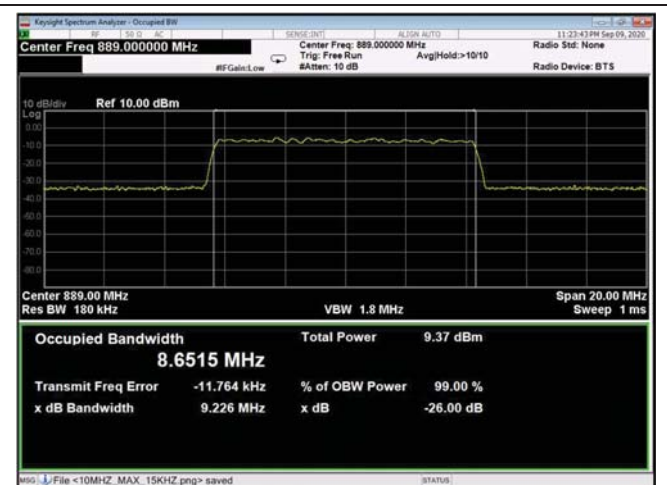


Figure 315: QPSK 10MHz B.W.; 889.0MHz, 30kHz - Input

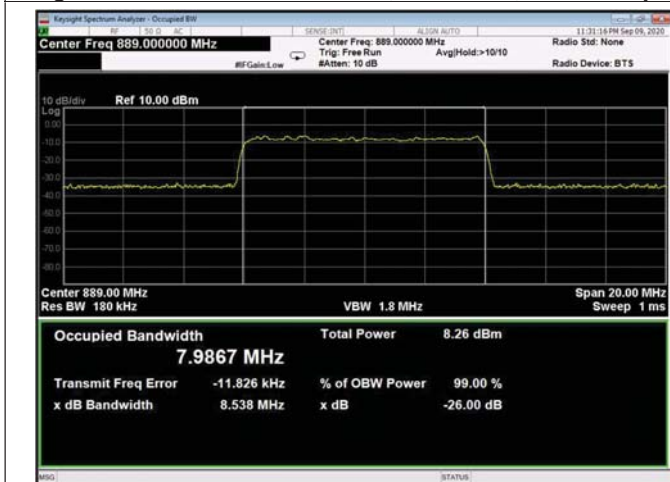


Figure 316: QPSK 10MHz B.W.; 889.0MHz, 60kHz - Input

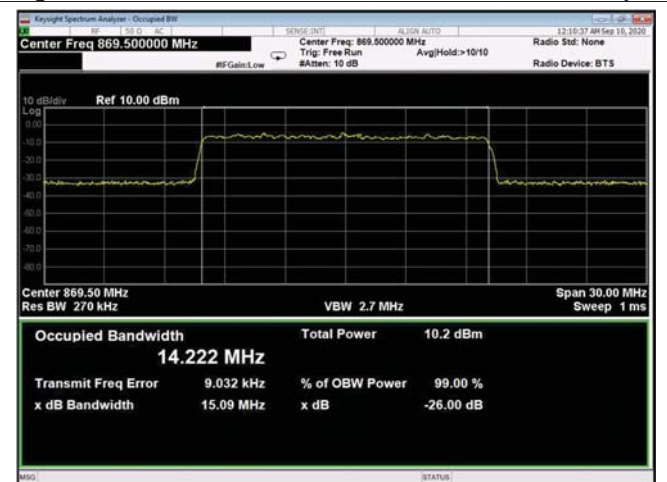


Figure 317: QPSK 15MHz B.W.; 869.5MHz, 15kHz - Input

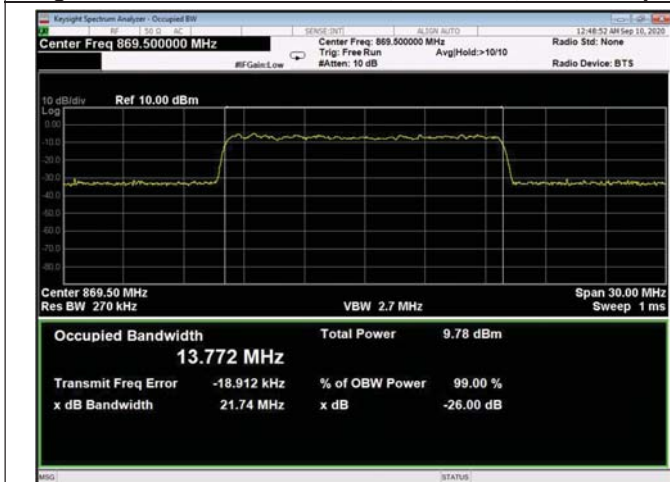


Figure 318: QPSK 15MHz B.W.; 869.5MHz, 30kHz - Input

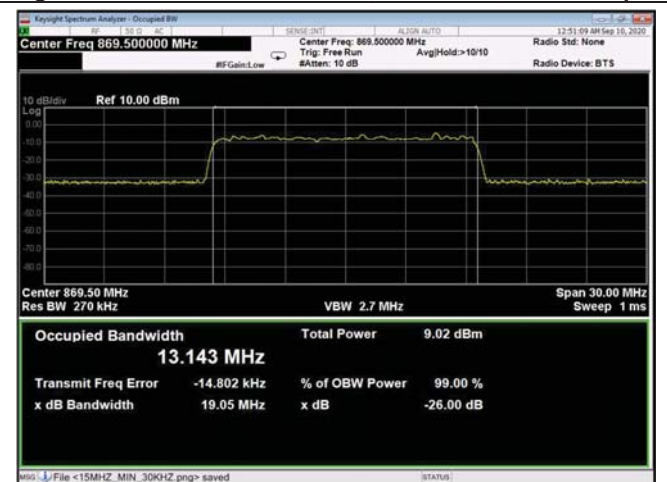


Figure 319: QPSK 15MHz B.W.; 869.5MHz, 60kHz - Input

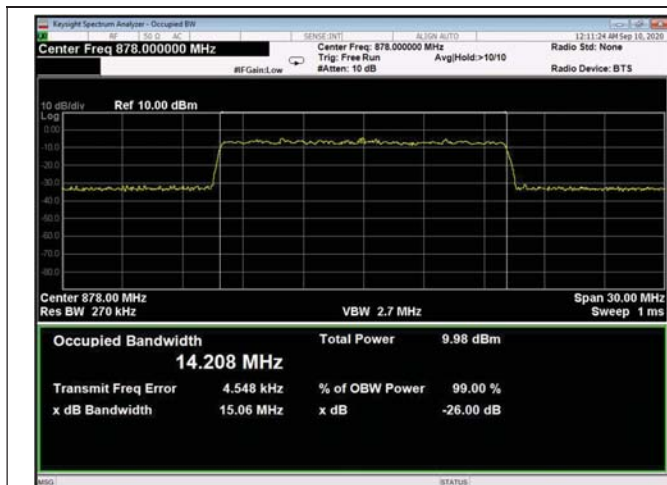


Figure 320: QPSK 15MHz B.W.; 878.0MHz, 15kHz - Input

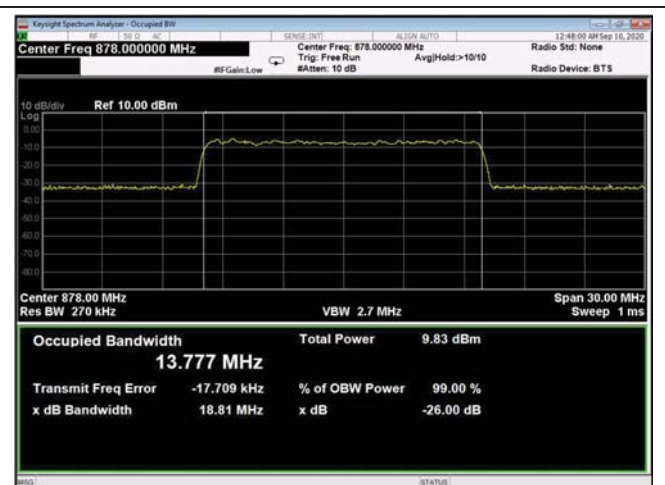


Figure 321: QPSK 15MHz B.W.; 878.0MHz, 30kHz - Input

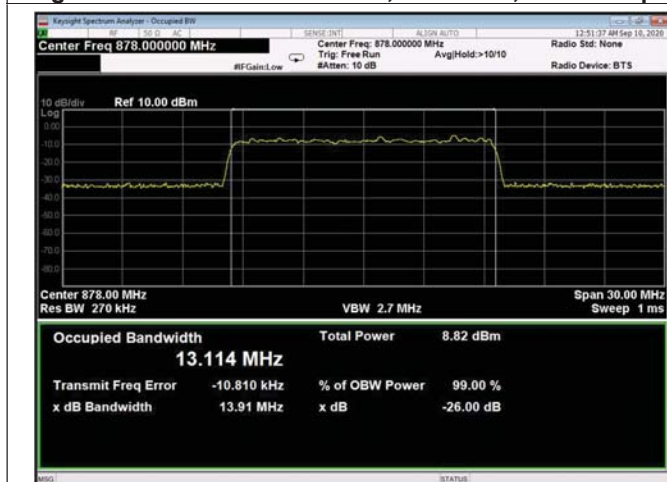


Figure 322: QPSK 15MHz B.W.; 878.0MHz, 60kHz - Input

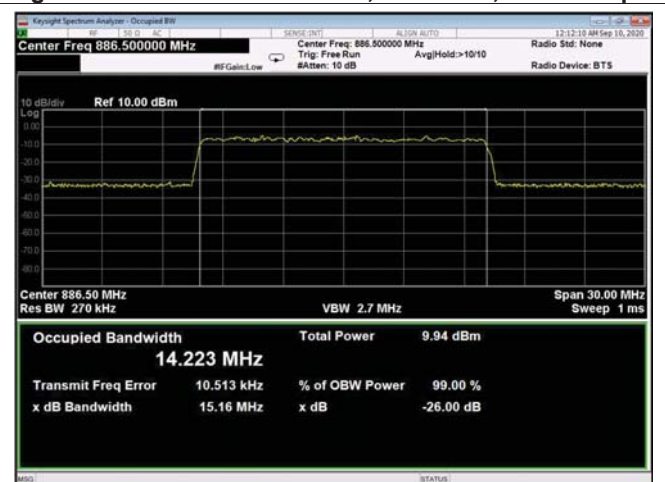


Figure 323: QPSK 15MHz B.W.; 886.5MHz, 15kHz - Input

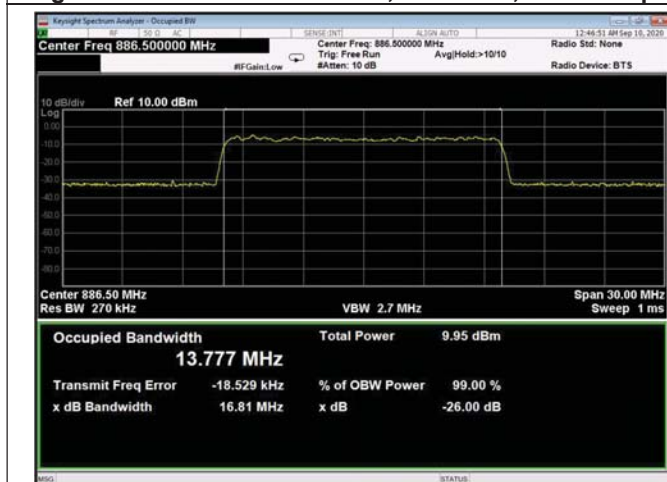


Figure 324: QPSK 15MHz B.W.; 886.5MHz, 30kHz - Input

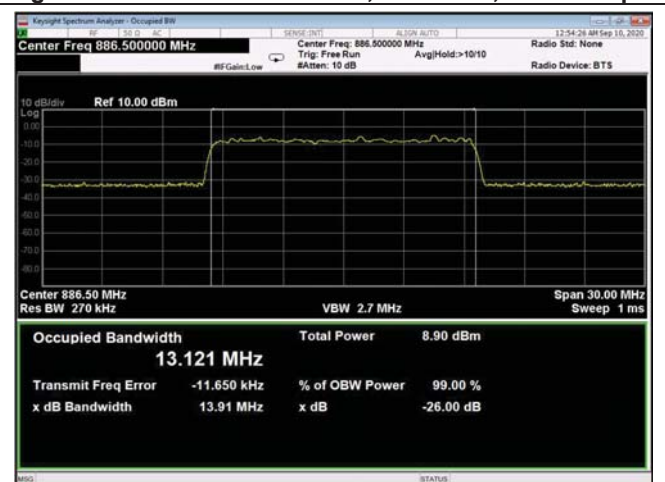


Figure 325: QPSK 15MHz B.W.; 886.5MHz, 60kHz - Input

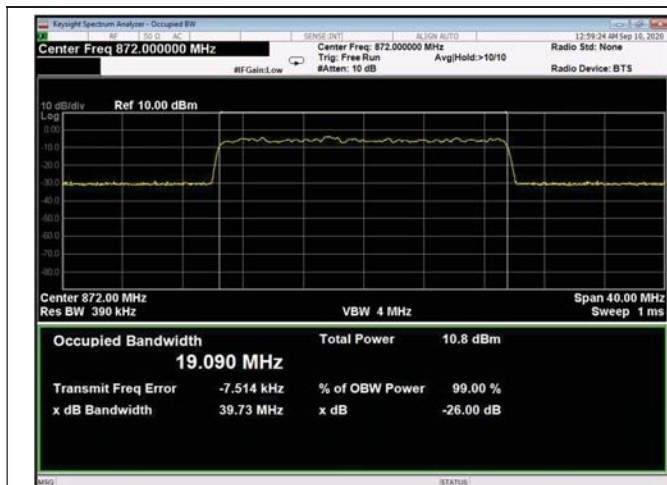


Figure 326: QPSK 20MHz B.W.; 872.0MHz, 15kHz - Input

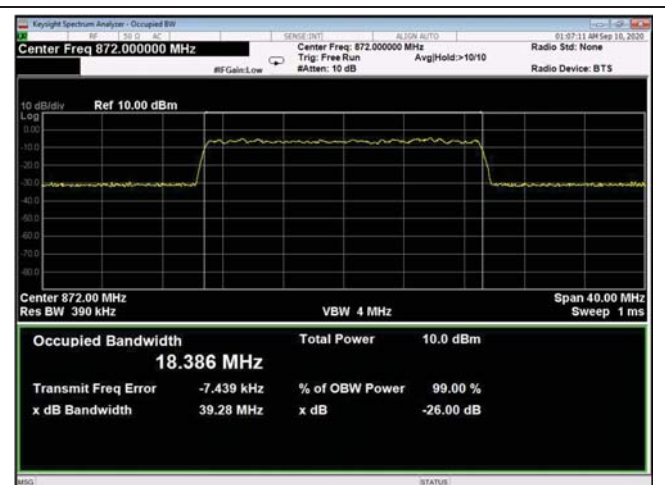


Figure 327: QPSK 20MHz B.W.; 872.0.5MHz, 30kHz - Input

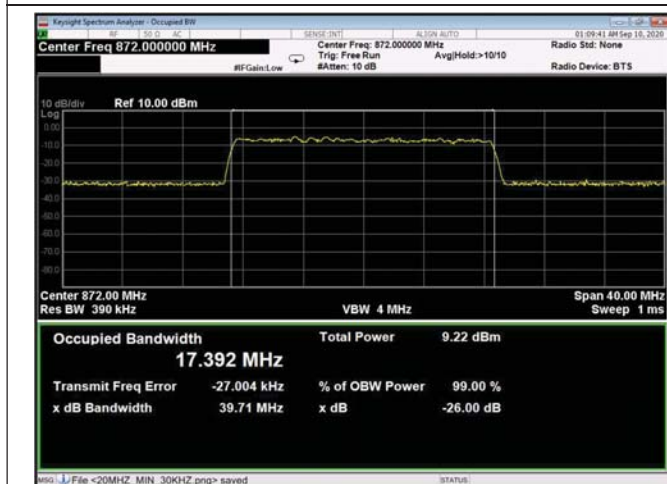


Figure 328: QPSK 20MHz B.W.; 872.0MHz, 60kHz - Input

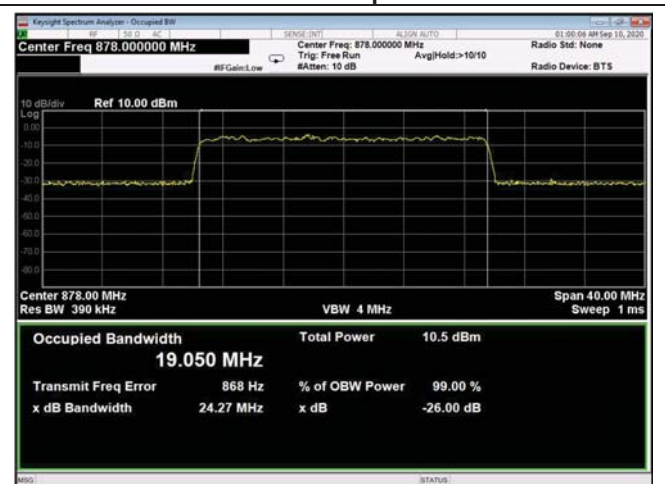


Figure 329: QPSK 20MHz B.W.; 878.0MHz, 15kHz - Input

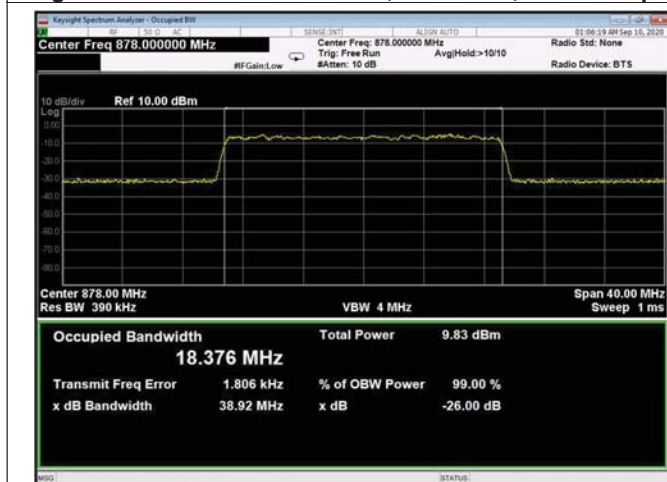


Figure 330: QPSK 20MHz B.W.; 878.0MHz, 30kHz - Input



Figure 331: QPSK 20MHz B.W.; 878.0MHz, 60kHz - Input

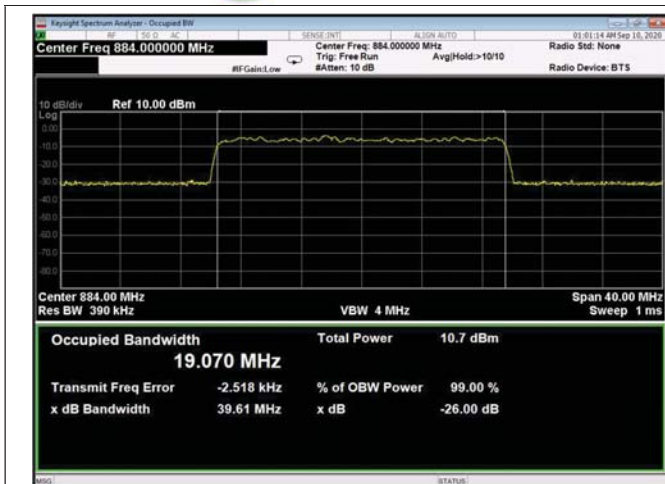


Figure 332: QPSK 20MHz B.W.; 884.0MHz, 15kHz - Input

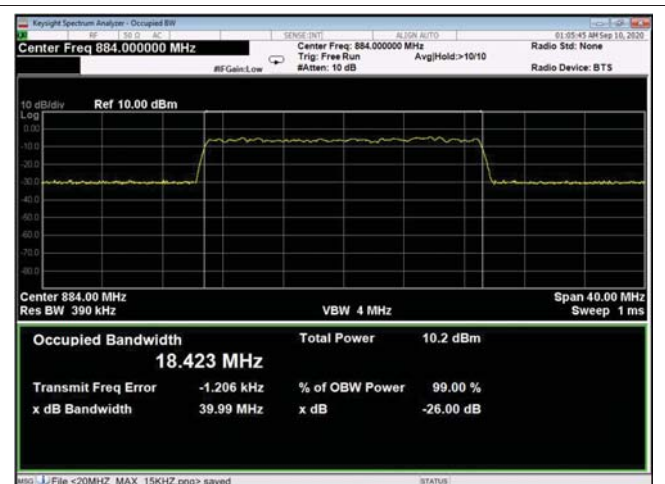


Figure 333: QPSK 20MHz B.W.; 884.0MHz, 30kHz - Input

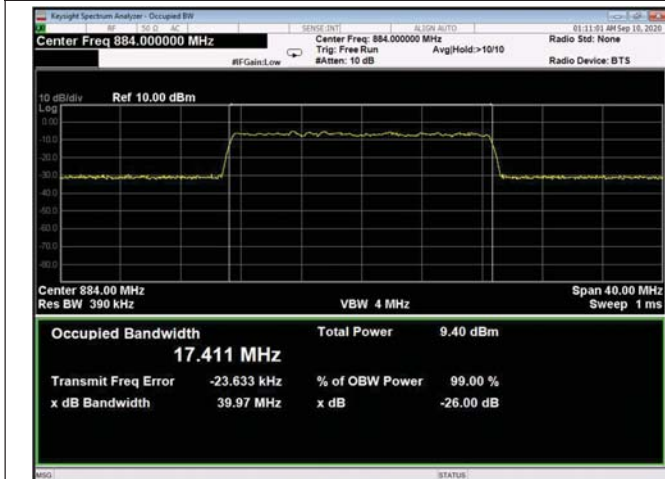


Figure 334: QPSK 20MHz B.W.; 884.0MHz, 60kHz - Input

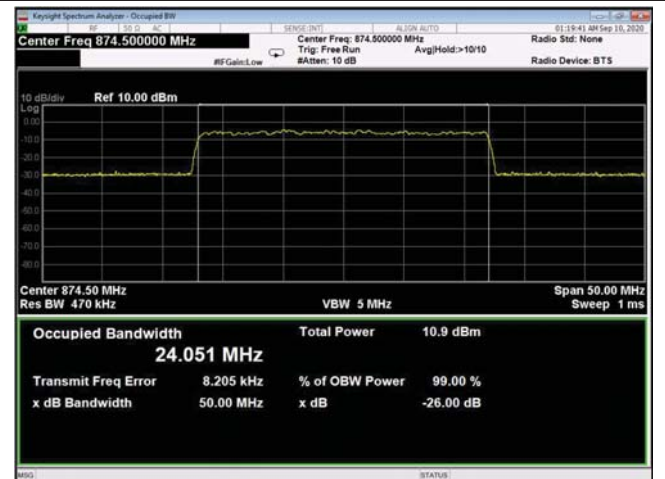


Figure 335: QPSK 25MHz B.W.; 874.5MHz, 15kHz - Input

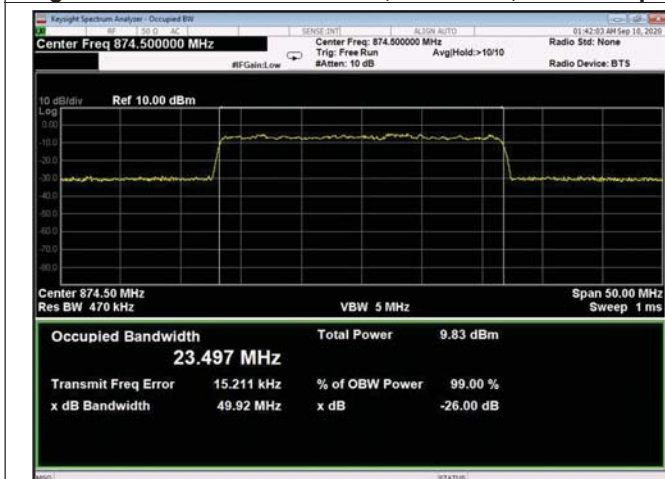


Figure 336: QPSK 25MHz B.W.; 874.5MHz, 30kHz - Input

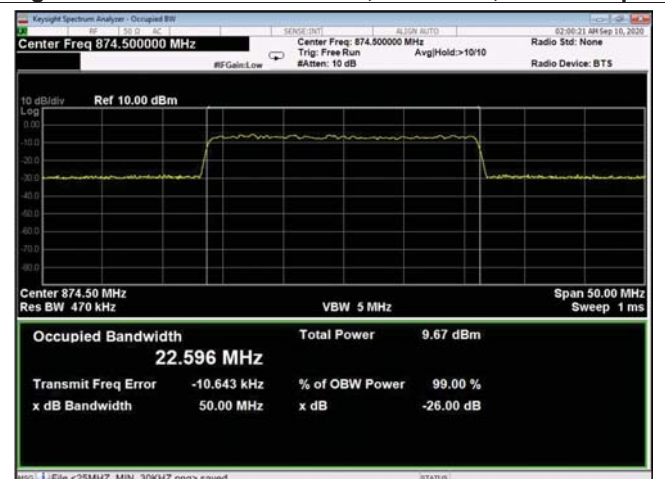


Figure 337: QPSK 25MHz B.W.; 874.5MHz, 60kHz - Input

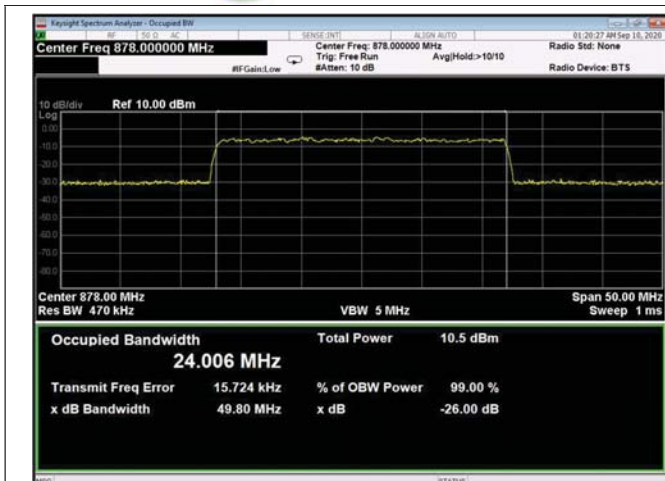


Figure 338: QPSK 25MHz B.W.; 878.0MHz, 15kHz - Input



Figure 339: QPSK 25MHz B.W.; 878.0MHz, 30kHz - Input

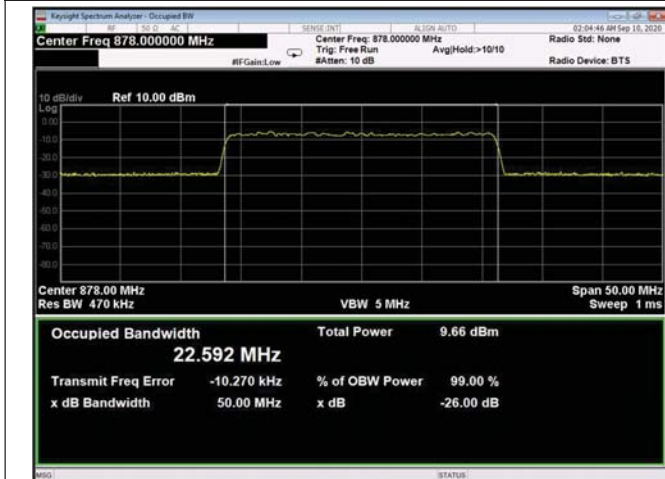


Figure 340: QPSK 25MHz B.W.; 878.0MHz, 60kHz - Input

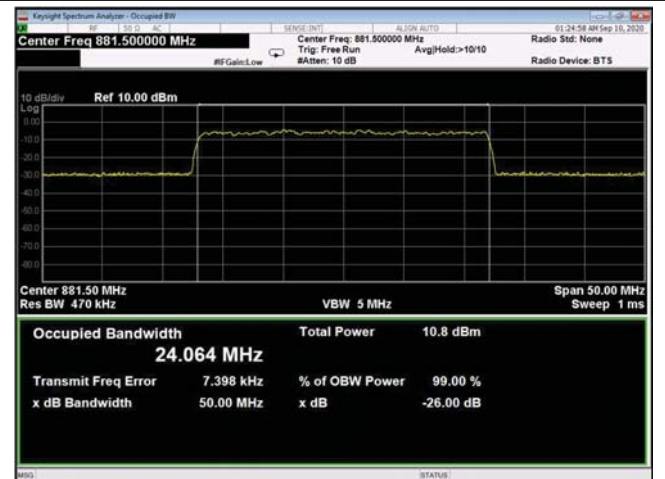


Figure 341: QPSK 25MHz B.W.; 881.5MHz, 15kHz - Input

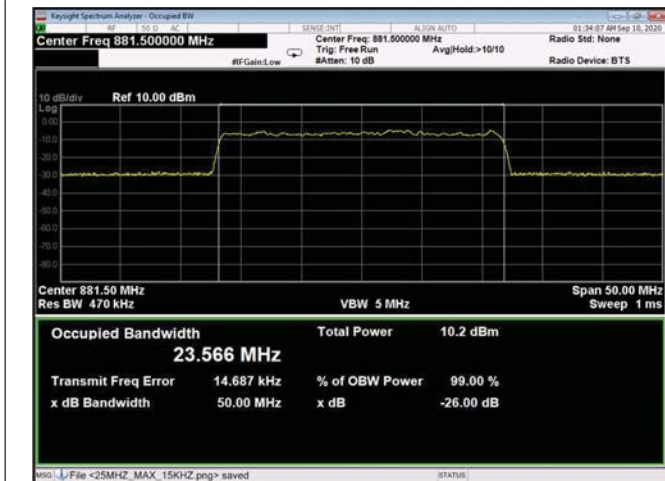


Figure 342: QPSK 25MHz B.W.; 881.5MHz, 30kHz - Input



Figure 343: QPSK 25MHz B.W.; 881.5MHz, 60kHz - Input