



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	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	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	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	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	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	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	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	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	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	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	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	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	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
	15	15	60	889.0	8.0
			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
	20	20	30	886.5	13.8
			60	886.5	13.1
			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
	25	25	60	884.0	17.4
			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	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	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	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	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
	15	60	889.0	7.8866
		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
	20	60	886.5	12.908
		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
	25	60	884.0	17.206
		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	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
	15	15	60	889.0	7.8836
			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
	20	20	60	886.0	12.946
			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	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	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
	15	15	60	889.0	7.9243
			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
	20	20	60	886.5	13.004
			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	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

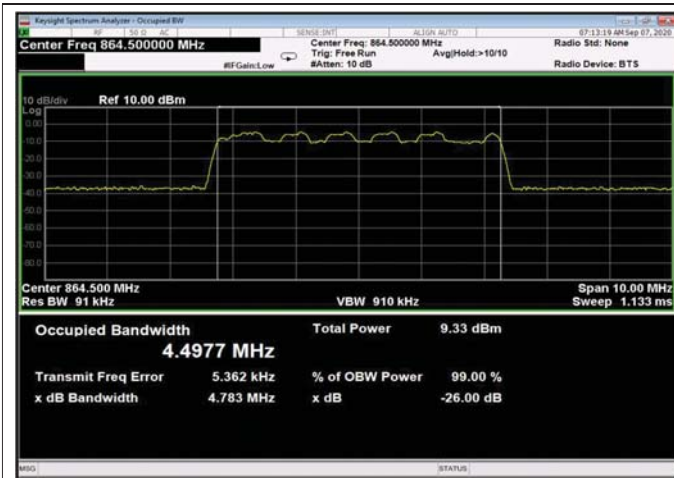


Figure 176: 16QAM 5MHz B.W.; 864.5MHz, 15kHz - Input

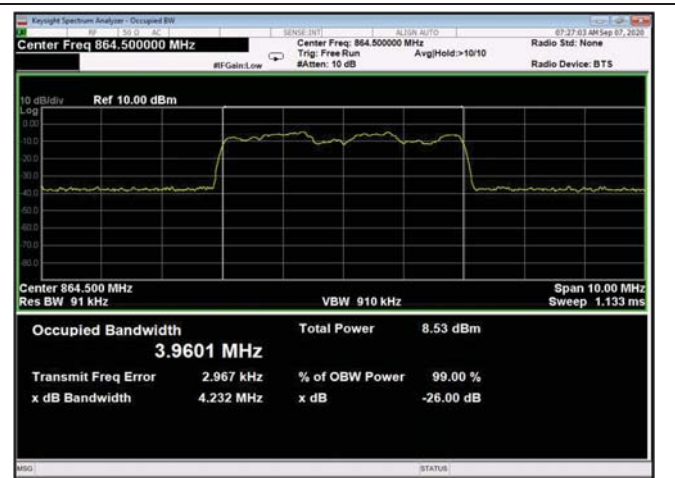


Figure 177: 16QAM 5MHz B.W.; 864.5MHz, 30kHz- Input

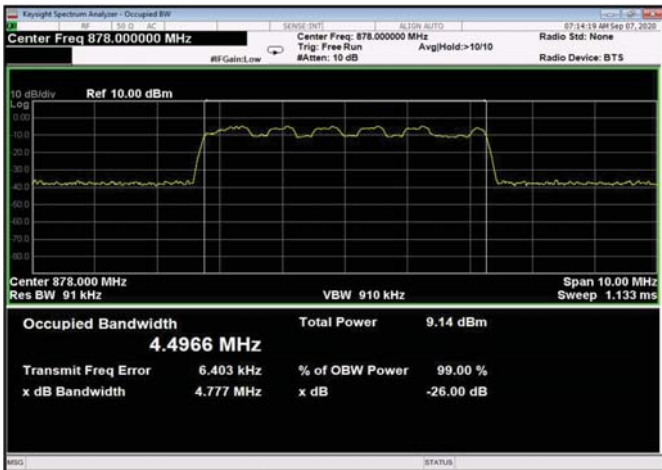


Figure 178: 16QAM 5MHz B.W.; 878.0MHz, 15kHz- Input

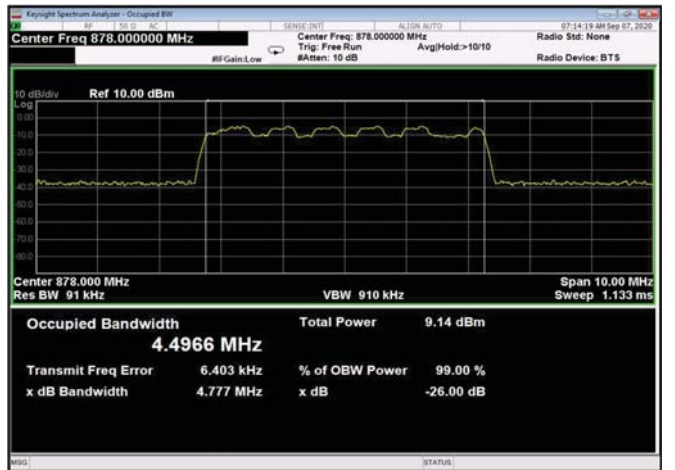


Figure 179: 16QAM 5MHz B.W.; 878.0MHz, 30kHz- Input

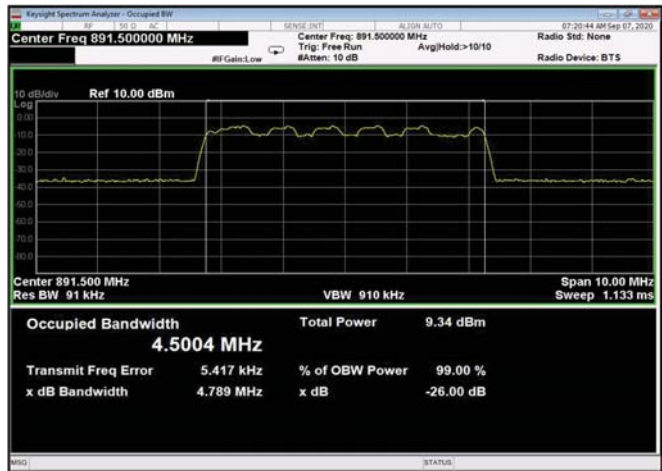


Figure 180: 16QAM 5MHz B.W.; 891.5MHz, 15kHz- Input

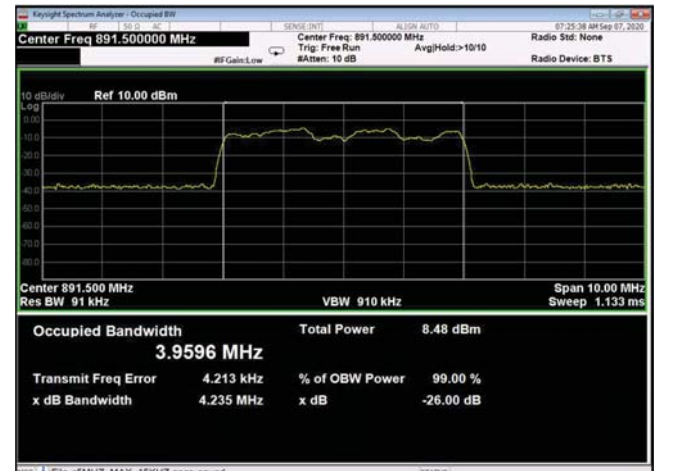


Figure 181: 16QAM 5MHz C.S.; 891.5MHz, 30kHz- Input

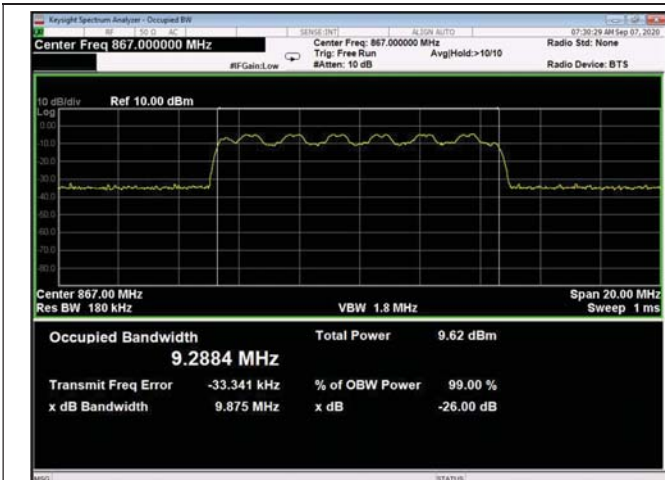


Figure 182: 16QAM 10MHz B.W.; 867.0MHz, 15kHz- Input

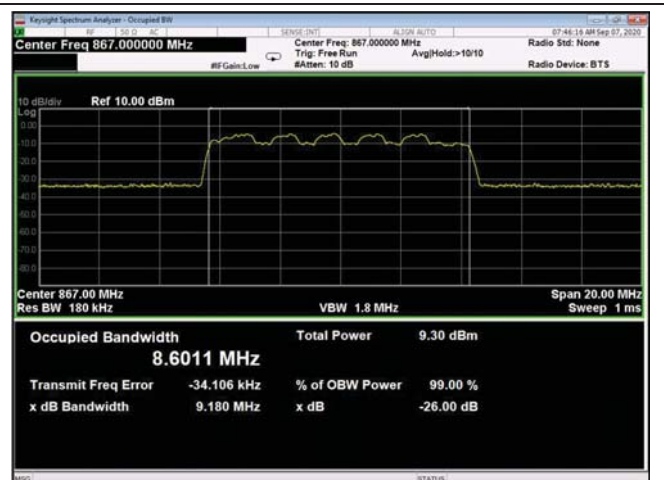


Figure 183: 16QAM 10MHz B.W.; 867.0MHz, 30kHz- Input

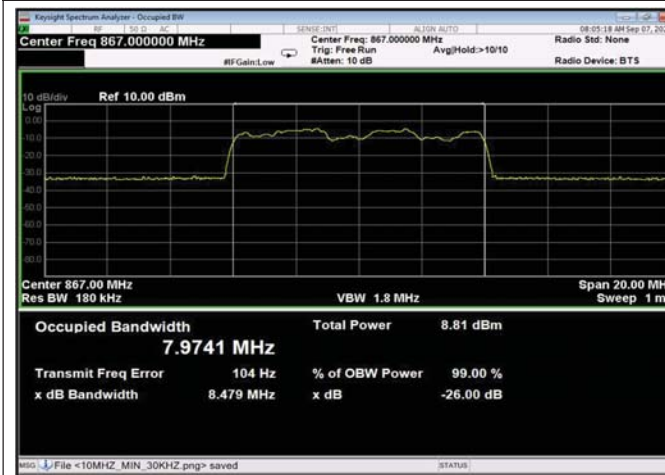


Figure 184: 16QAM 10MHz B.W.; 867.0MHz, 60kHz- Input

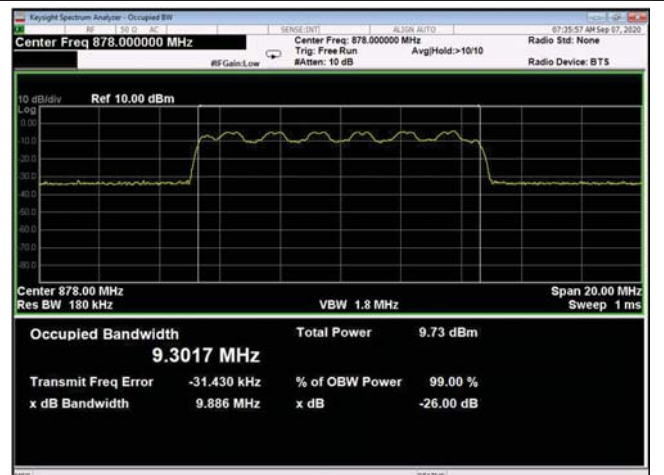


Figure 185: 16QAM 10MHz B.W.; 878.0MHz, 15kHz- Input

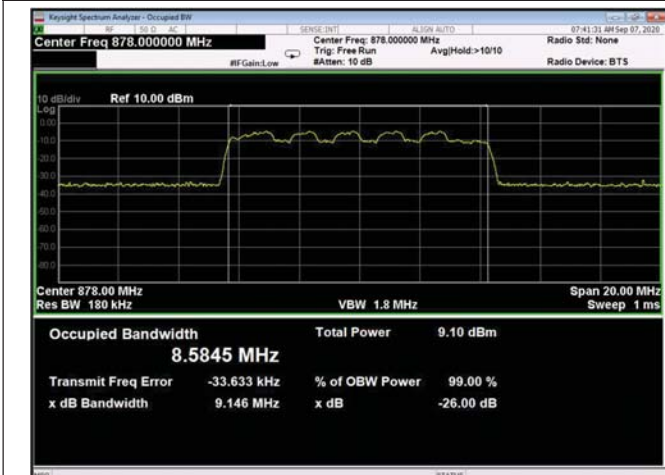


Figure 186: 16QAM 10MHz B.W.; 878.0MHz, 30kHz- Input

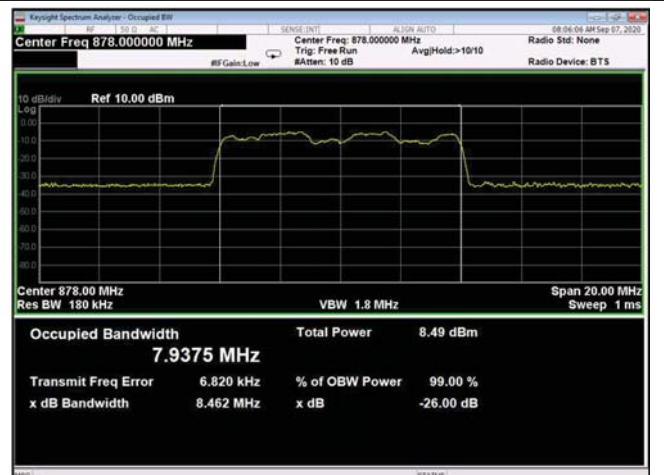


Figure 187: 16QAM 10MHz B.W.; 878.0MHz, 60kHz - Input

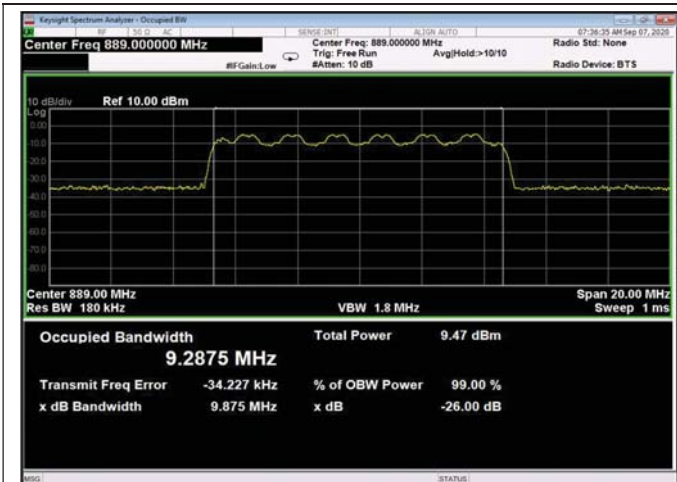


Figure 188: 16QAM 10MHz B.W.; 889.0MHz, 15kHz - Input

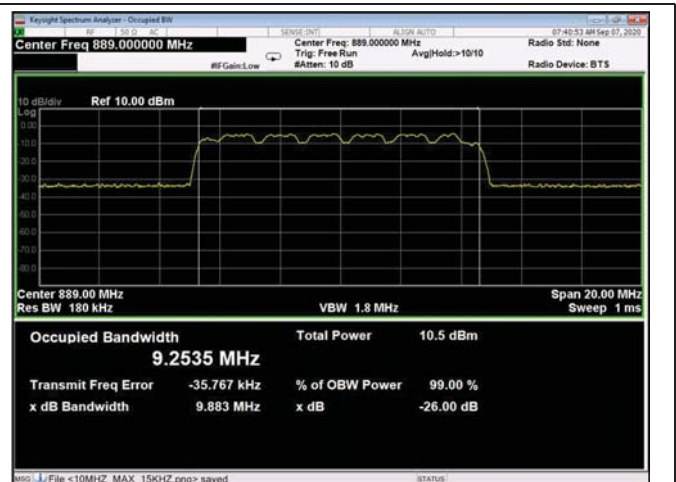


Figure 189: 16QAM 10MHz B.W.; 889.0MHz, 30kHz - Input

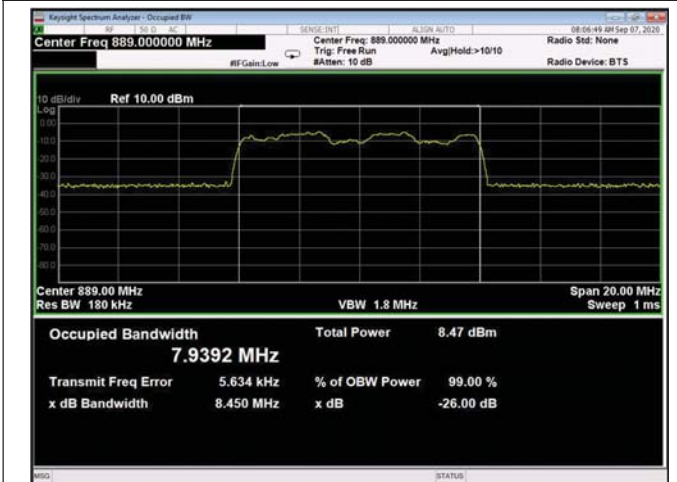


Figure 190: 16QAM 10MHz B.W.; 889.0MHz, 60kHz - Input

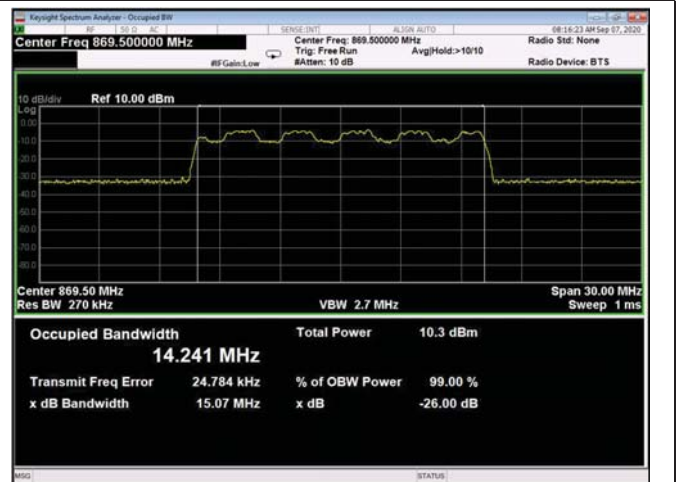


Figure 191: 16QAM 15MHz B.W.; 869.0MHz, 15kHz - Input

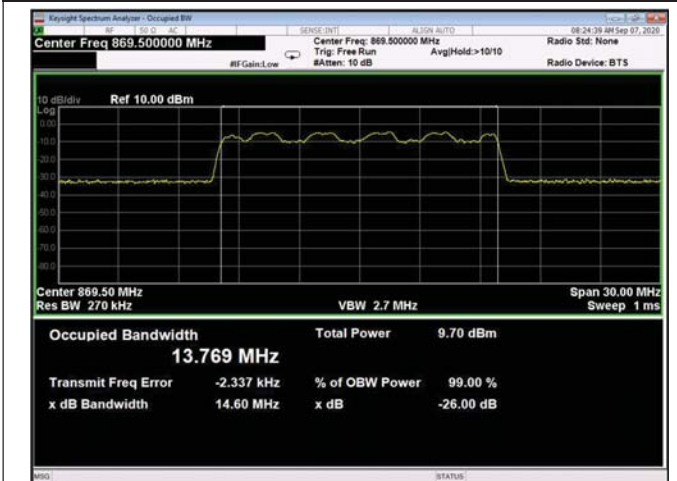


Figure 192: 16QAM 15MHz B.W.; 869.0MHz, 30kHz - Input

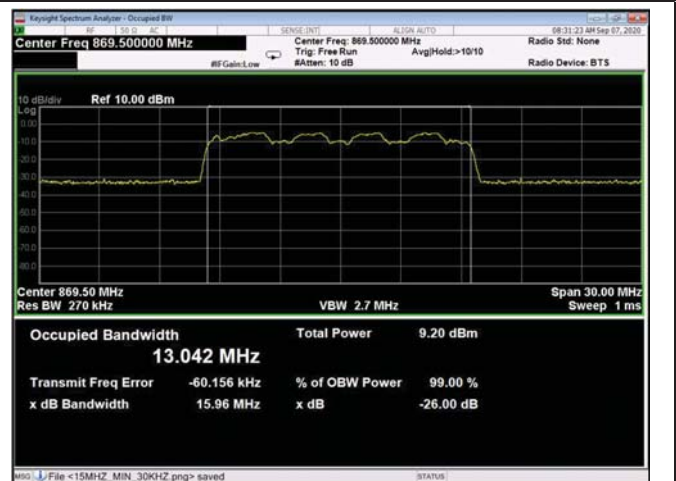


Figure 193: 16QAM 10MHz B.W.; 869.0MHz, 60kHz - Input

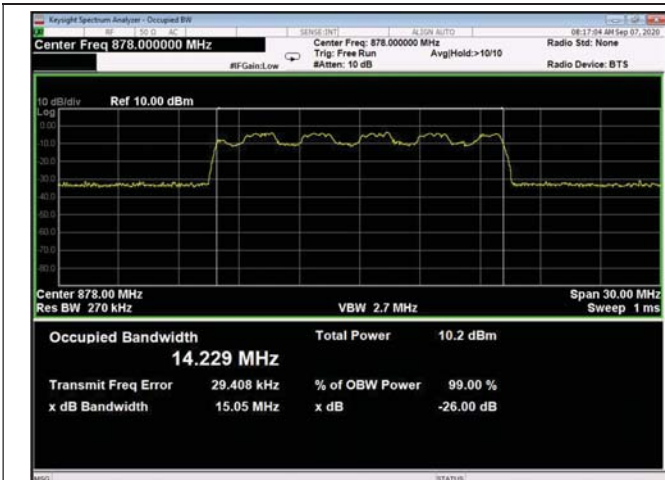


Figure 194: 16QAM 15MHz B.W.; 878.0MHz, 15kHz- Input

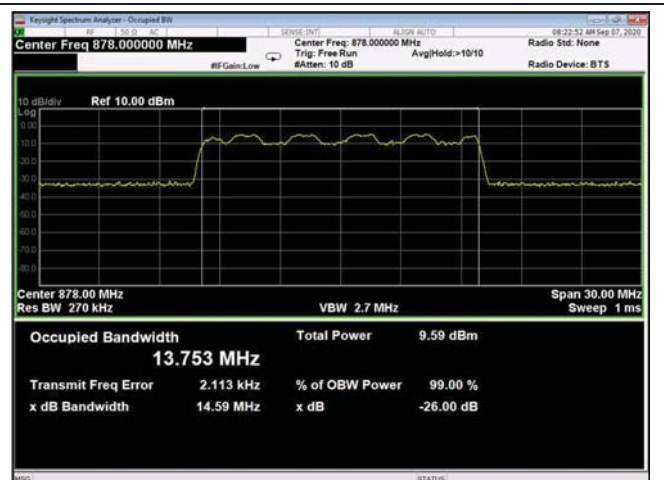


Figure 195: 16QAM 15MHz B.W.; 878.0MHz, 30kHz- Input

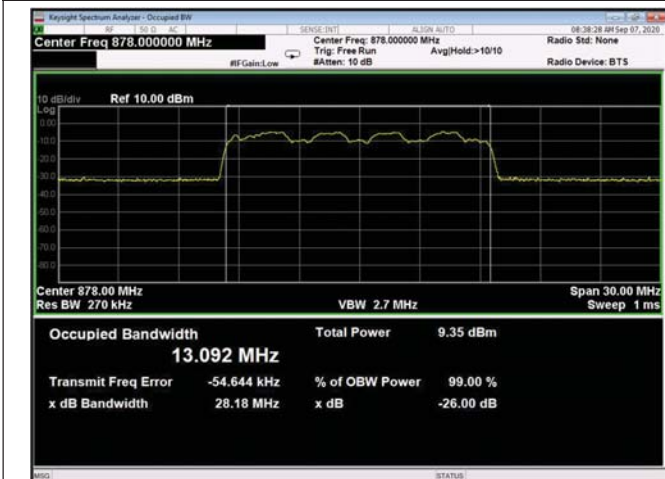


Figure 196: 16QAM 15MHz B.W.; 878.0MHz, 60kHz - Input

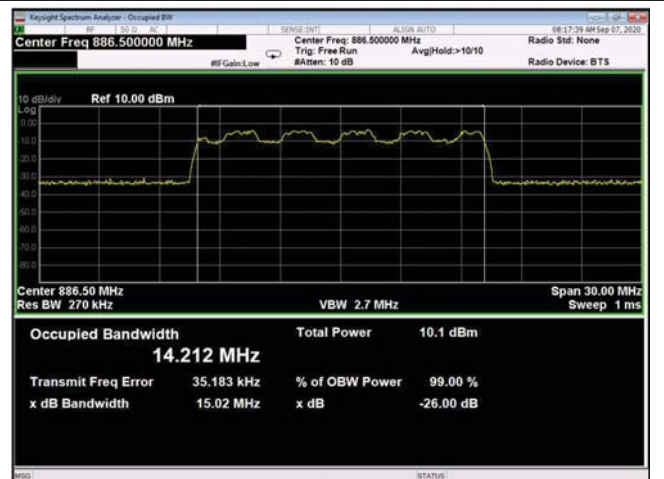


Figure 197: 16QAM 15MHz B.W.; 886.5MHz, 15kHz - Input

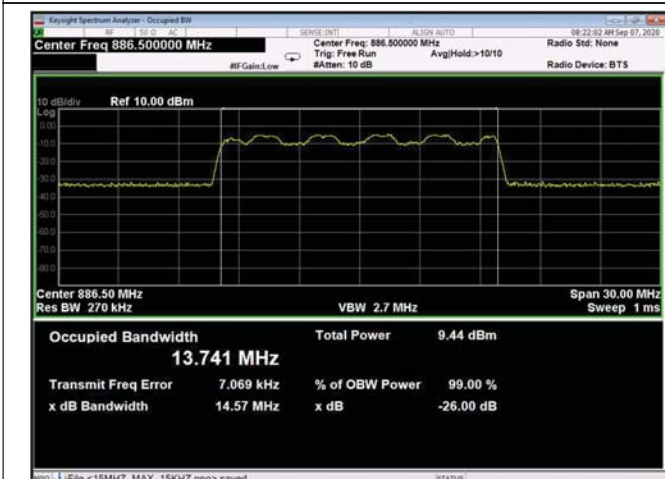


Figure 198: 16QAM 15MHz B.W.; 886.5MHz, 30kHz - Input

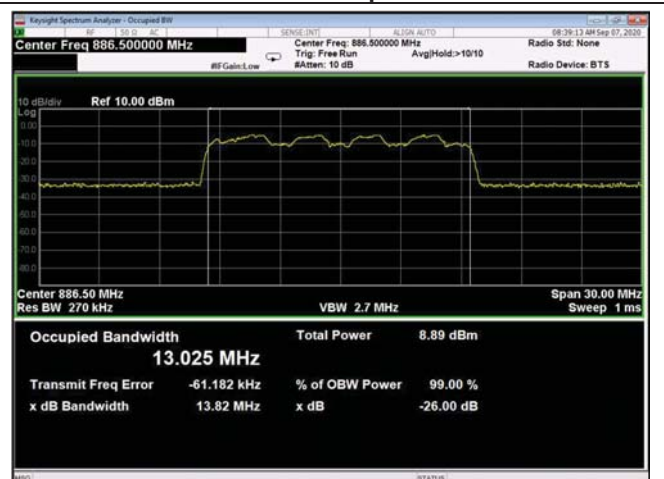


Figure 199: 16QAM 15MHz B.W.; 886.5MHz, 60kHz - Input

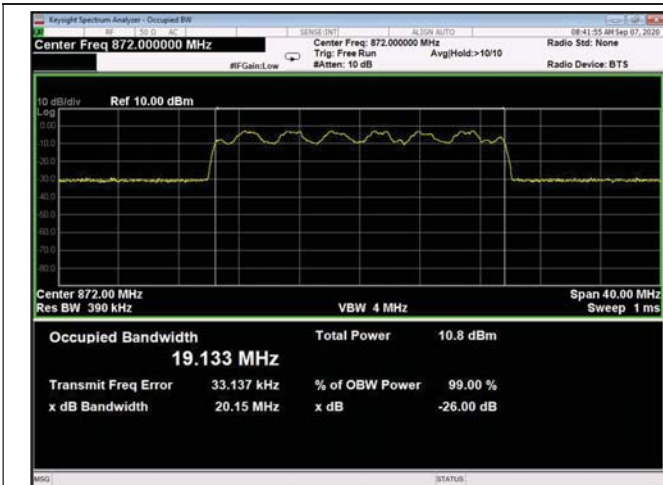


Figure 200: 16QAM 20MHz B.W.; 872.0MHz, 15kHz - Input

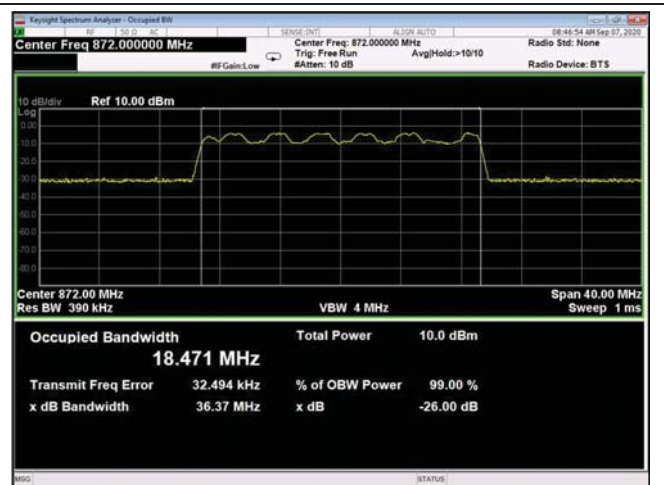


Figure 201: 16QAM 20MHz B.W.; 872.0MHz, 30kHz - Input

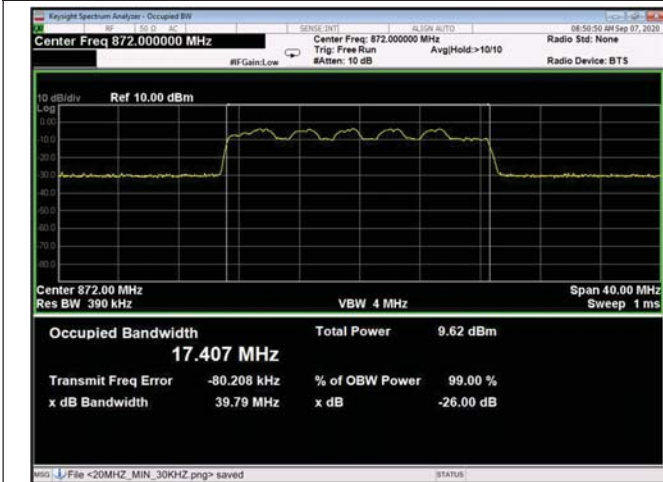


Figure 202: 16QAM 20MHz B.W.; 872.0MHz, 60kHz - Input

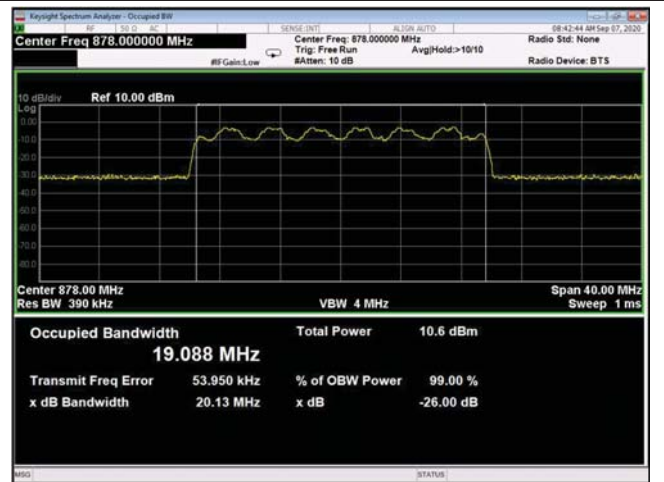


Figure 203: 16QAM 20MHz B.W.; 878.0MHz, 15kHz - Input

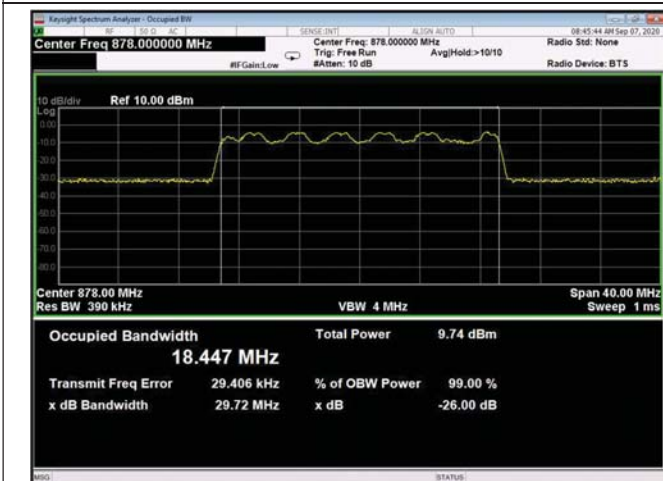


Figure 204: 16QAM 20MHz B.W.; 878.0MHz, 30kHz - Input

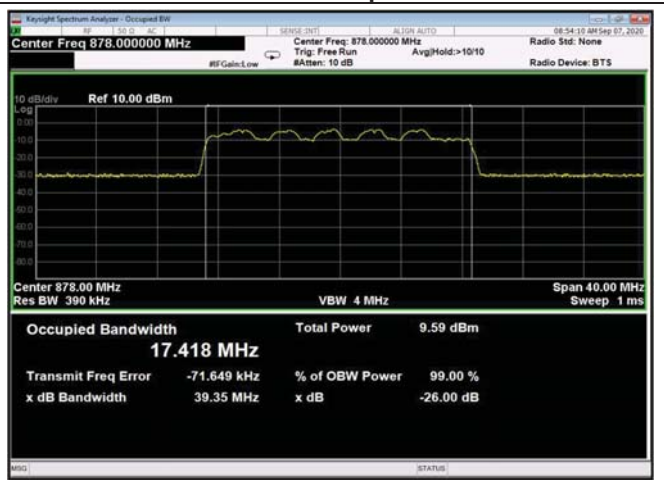


Figure 205: 16QAM 20MHz B.W.; 878.0MHz, 60kHz - Input

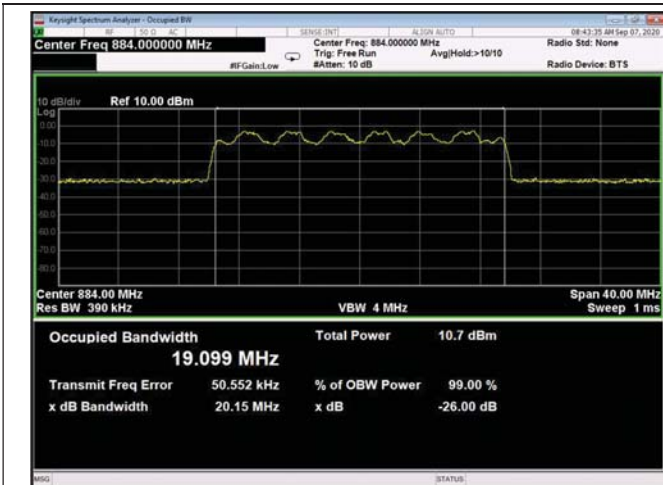


Figure 206: 16QAM 20MHz B.W.; 884.0MHz, 15kHz - Input

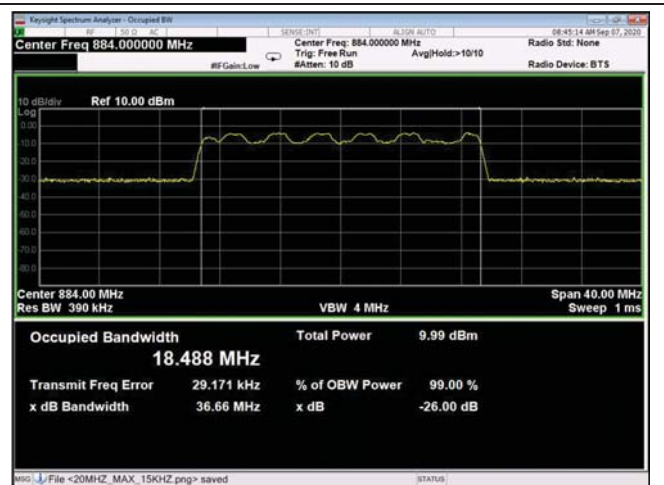


Figure 207: 16QAM 20MHz B.W.; 884.0MHz, 30kHz - Input

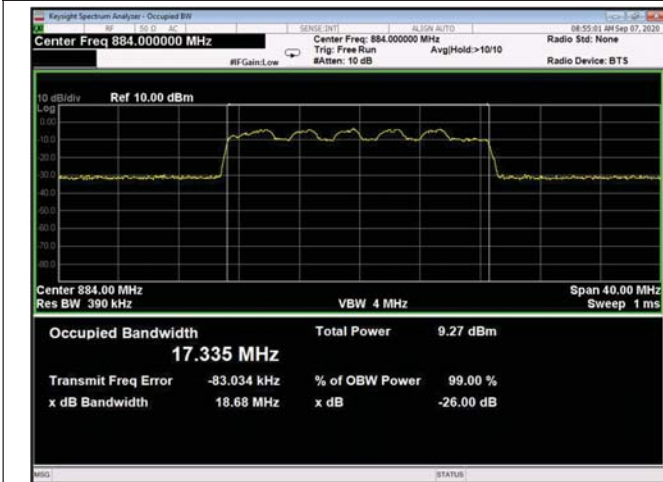


Figure 208: 16QAM 20MHz B.W.; 884.0MHz, 60kHz - Input

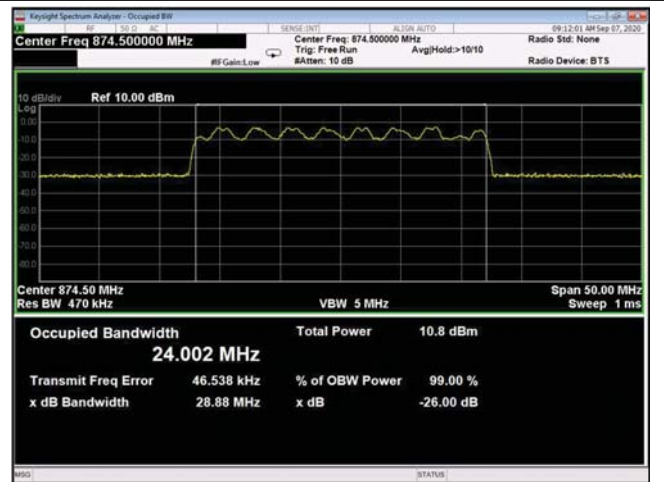


Figure 209: 16QAM 25MHz B.W.; 874.5MHz, 15kHz - Input

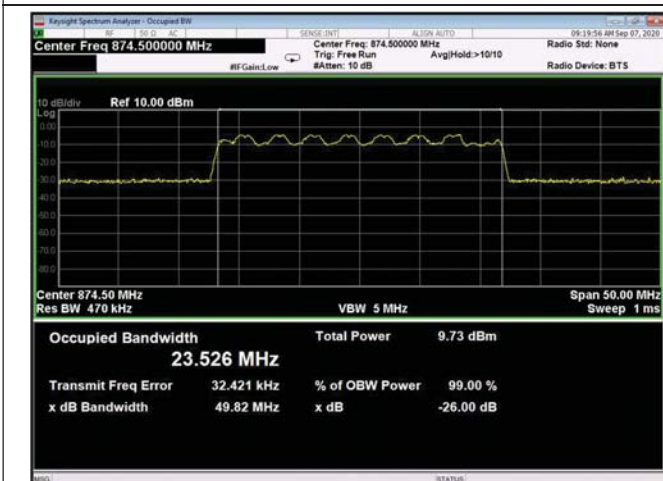


Figure 210: 16QAM 25MHz B.W.; 874.5MHz, 30kHz - Input

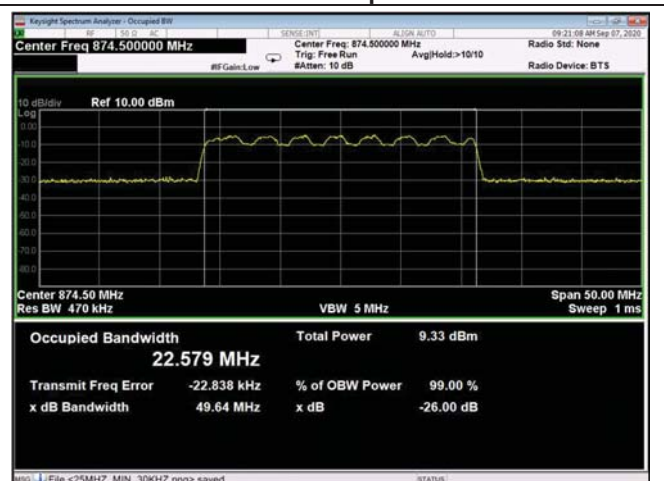


Figure 211: 16QAM 25MHz B.W.; 874.5MHz, 60kHz - Input

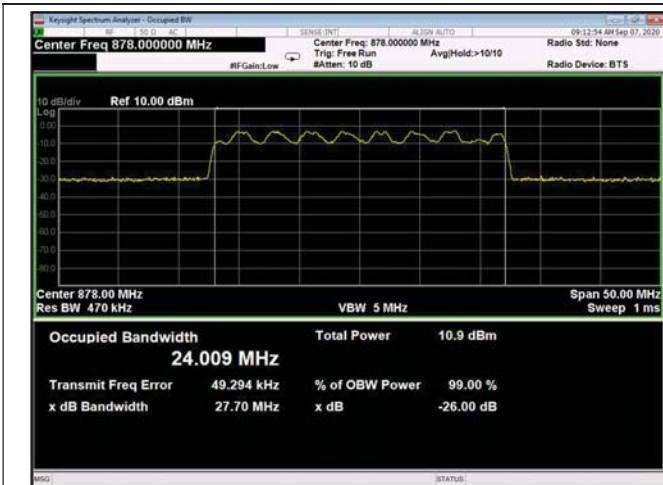


Figure 212: 16QAM 25MHz B.W.; 878.0MHz, 15kHz - Input

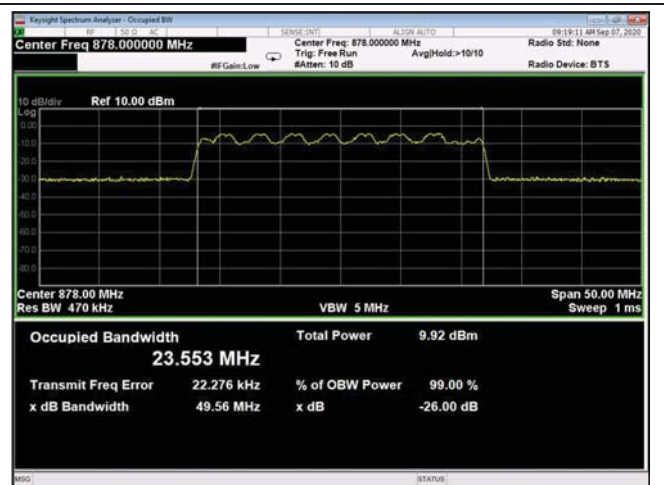


Figure 213: 16QAM 25MHz B.W.; 878.0MHz, 30kHz - Input

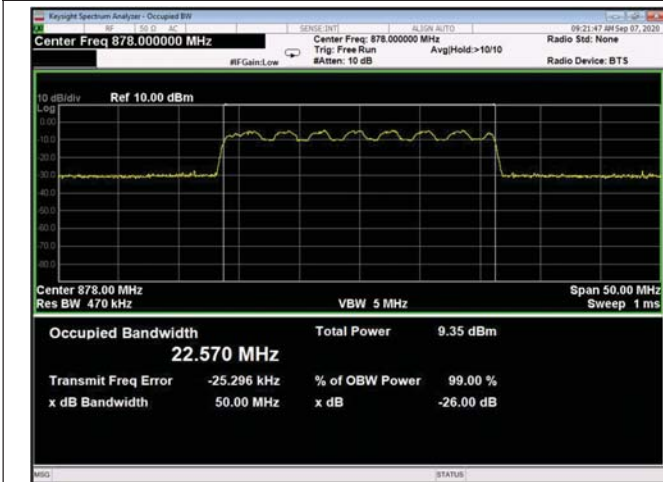


Figure 214: 16QAM 25MHz B.W.; 878.0MHz, 60kHz - Input

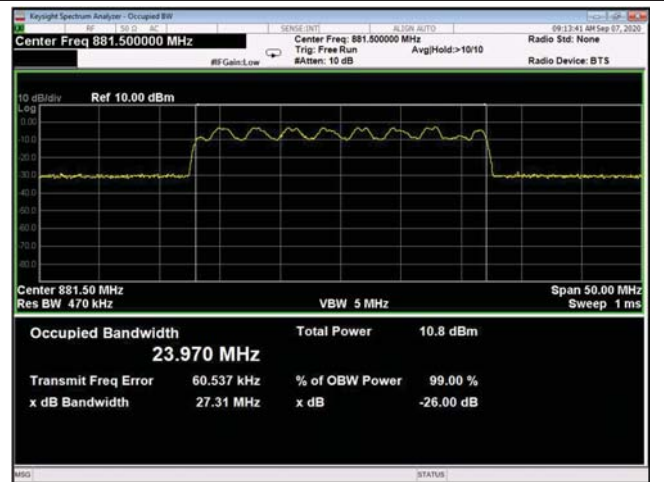


Figure 215: 16QAM 25MHz B.W.; 881.5MHz, 15kHz - Input

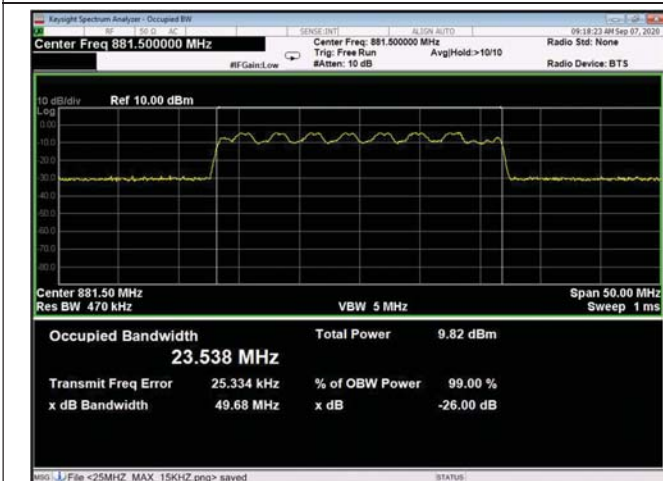


Figure 216: 16QAM 25MHz B.W.; 881.5MHz, 30kHz - Input

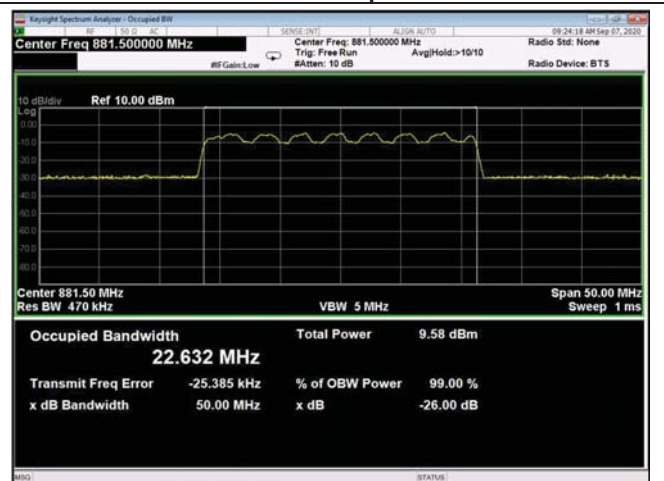


Figure 217: 16QAM 25MHz B.W.; 881.5MHz, 60kHz - Input



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

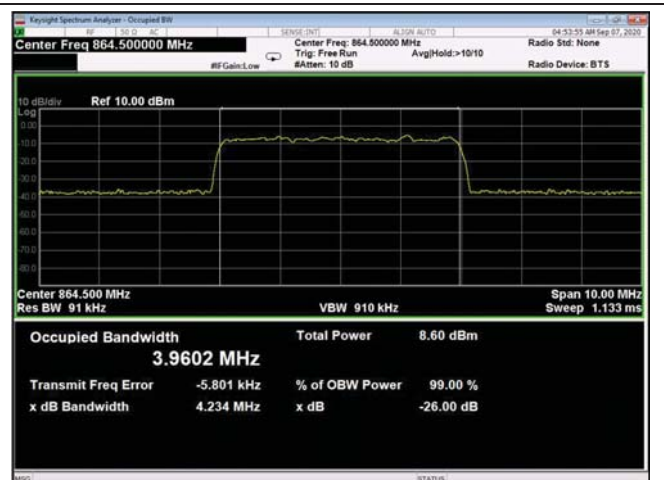


Figure 219: 64QAM 5MHz B.W.; 864.5MHz, 30kHz - Input



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

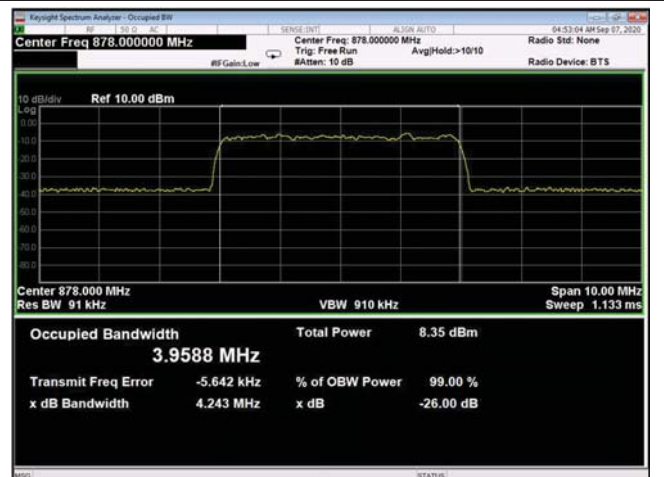


Figure 221: 64QAM 5MHz B.W.; 878.0MHz, 30kHz - Input

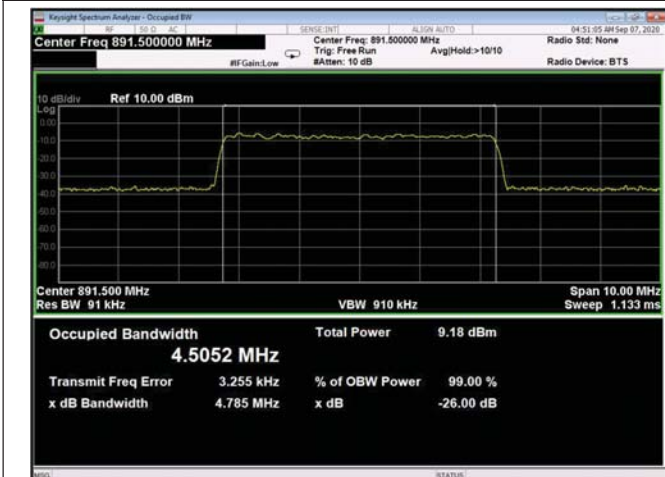


Figure 222: 64QAM 5MHz B.W.; 891.5MHz, 15kHz - Input

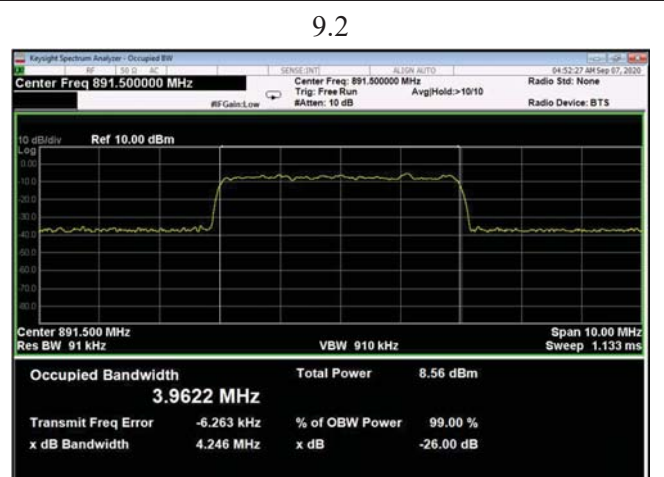


Figure 223: 64QAM 5MHz B.W.; 891.5MHz, 30kHz - Input

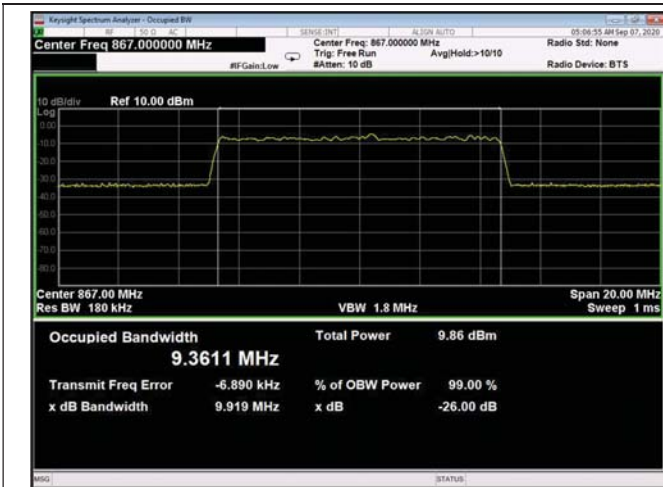


Figure 224: 64QAM 10MHz B.W.; 867.0MHz, 15kHz - Input



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

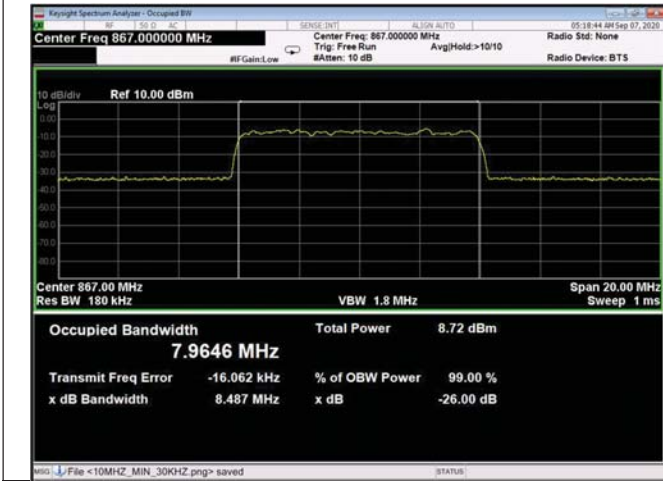


Figure 226: 64QAM 10MHz B.W.; 867.0MHz, 60kHz - Input

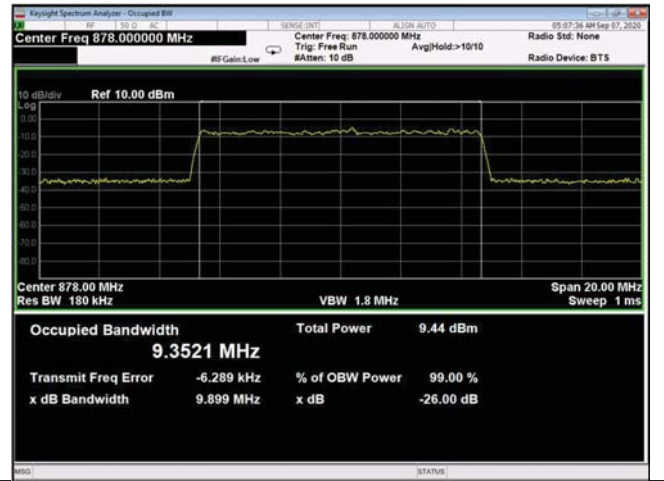


Figure 227: 64QAM 10MHz B.W.; 878.0MHz, 15kHz - Input

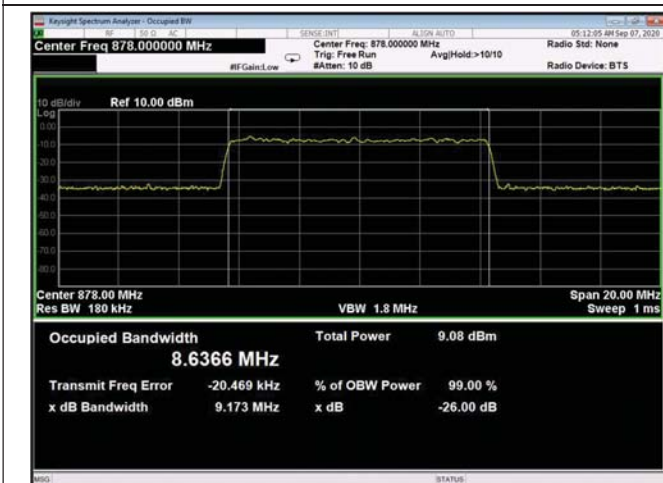


Figure 228: 64QAM 10MHz B.W.; 878.0MHz, 30kHz - Input

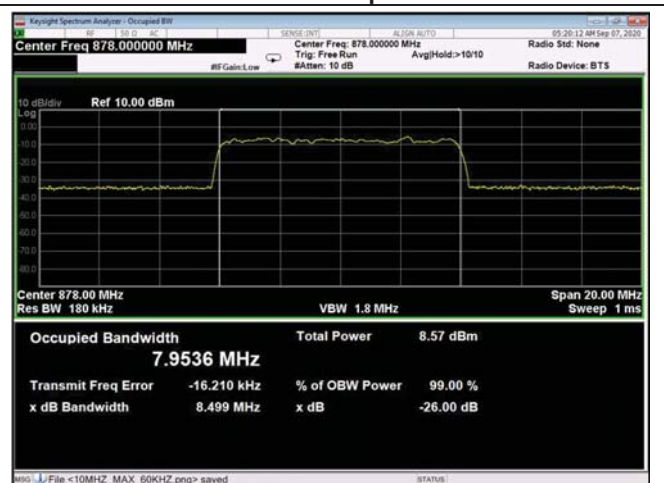


Figure 229: 64QAM 5MHz B.W.; 878.0MHz, 60kHz - Input

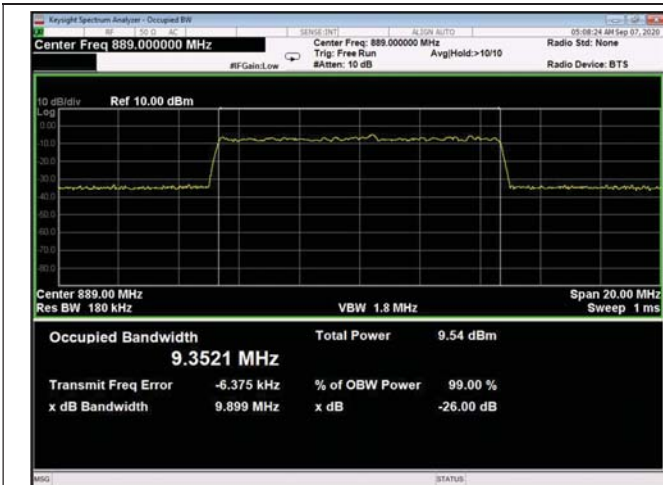


Figure 230: 64QAM 10MHz B.W.; 889.0MHz, 15kHz - Input



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

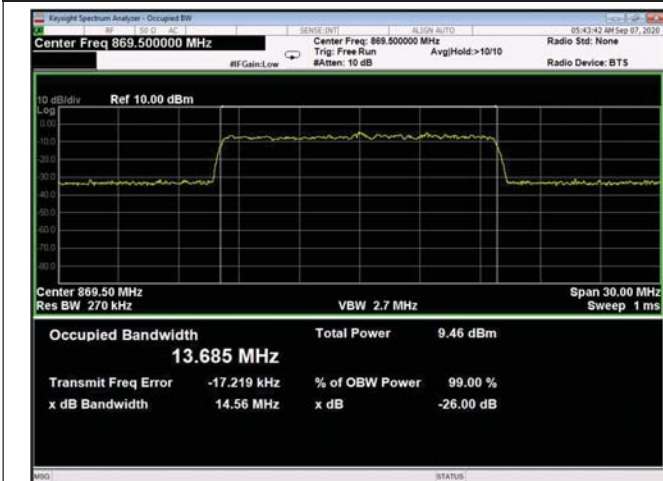


Figure 234: 64QAM 15MHz B.W.; 869.5MHz, 30kHz - Input



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



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

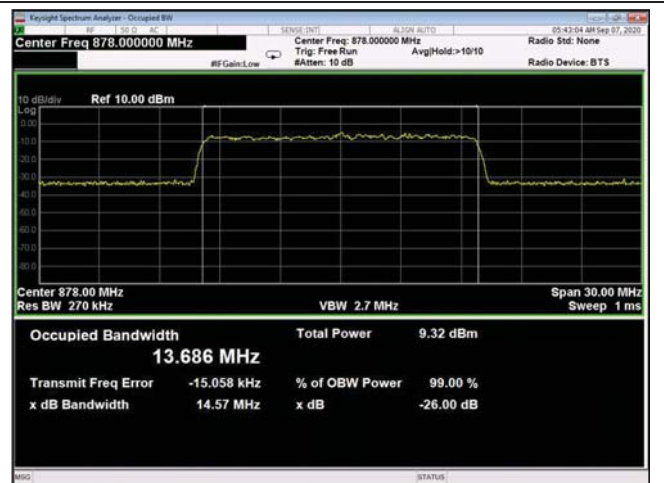


Figure 237: 64QAM 15MHz B.W.; 878.0MHz, 30kHz - Input

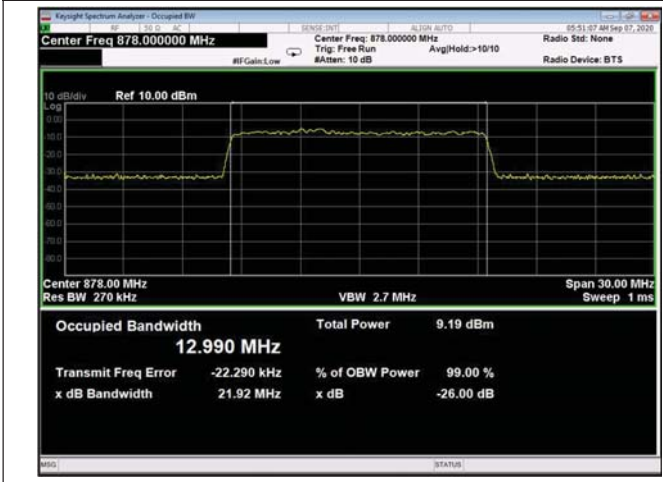


Figure 238: 64QAM 15MHz B.W.; 878.0MHz, 60kHz - Input

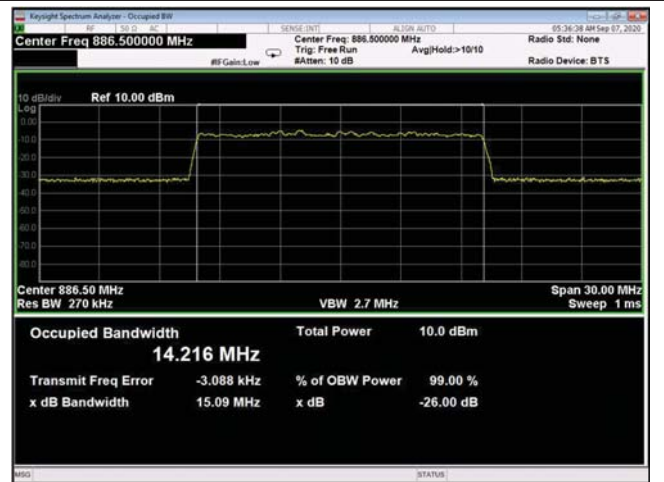


Figure 239: 64QAM 15MHz B.W.; 886.5MHz, 15kHz - Input

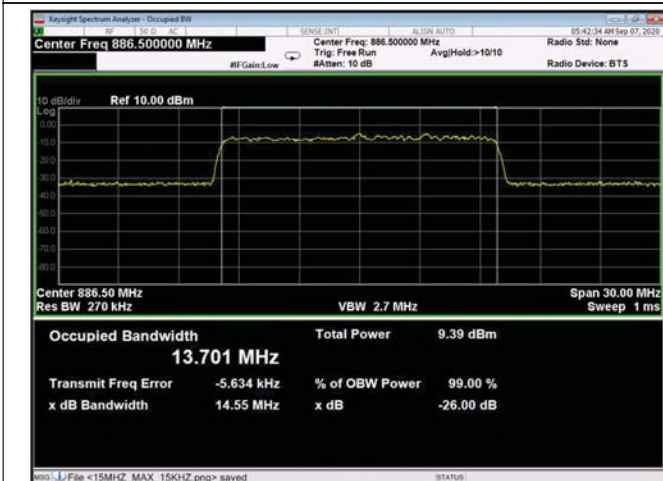


Figure 240: 64QAM 15MHz B.W.; 886.5MHz, 30kHz- Input



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

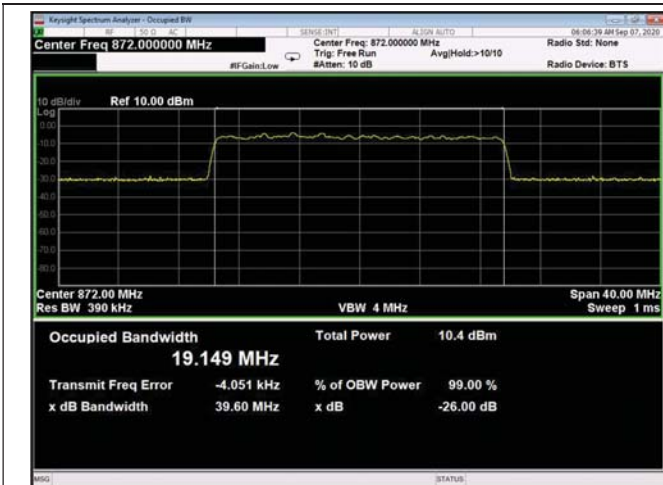


Figure 242: 64QAM 20MHz B.W.; 872.0MHz, 15kHz - Input

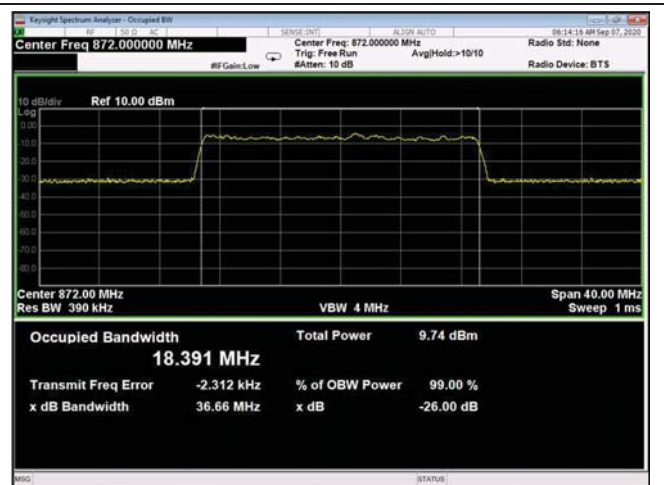


Figure 243: 64QAM 20MHz B.W.; 872.0MHz, 30kHz - Input



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

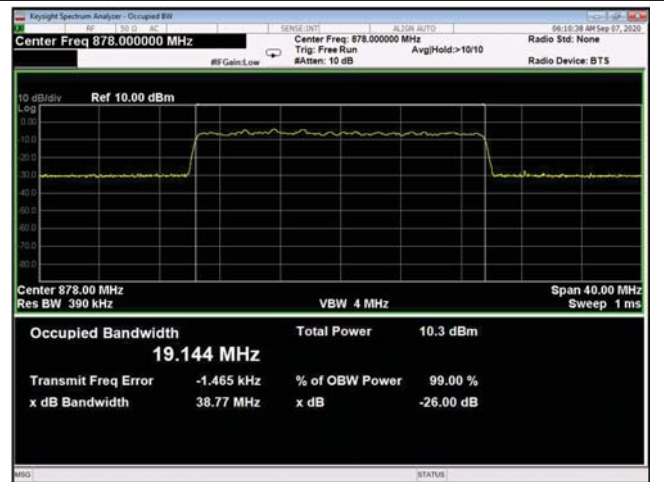


Figure 245: 64QAM 20MHz B.W.; 878.0MHz, 15kHz - Input

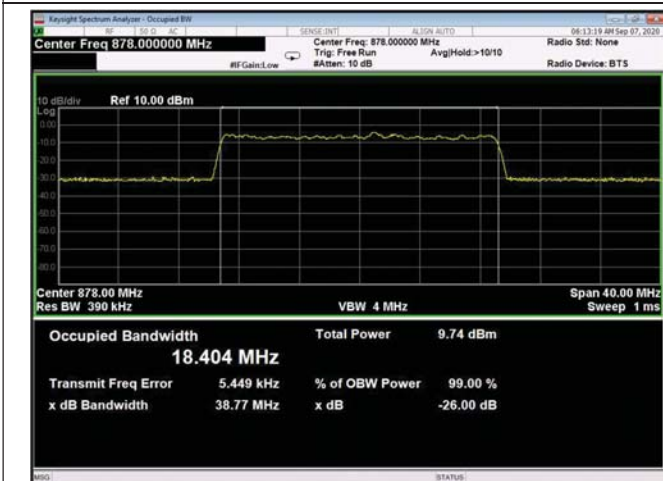


Figure 246: 64QAM 20MHz B.W.; 878.0MHz, 30kHz - Input



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

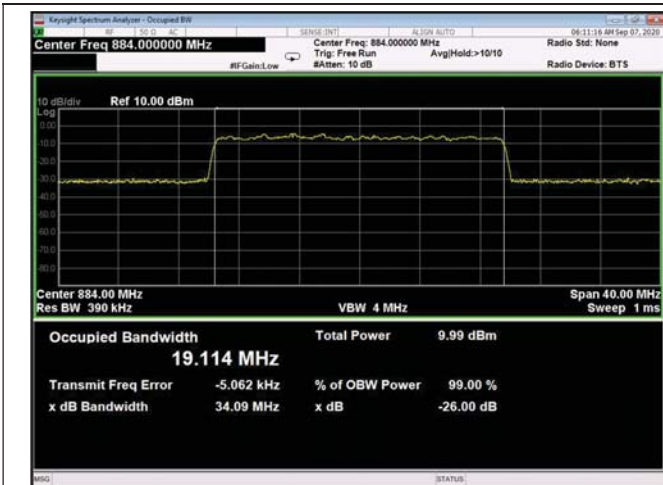


Figure 248: 64QAM 20MHz B.W.; 884.0MHz, 15kHz - Input

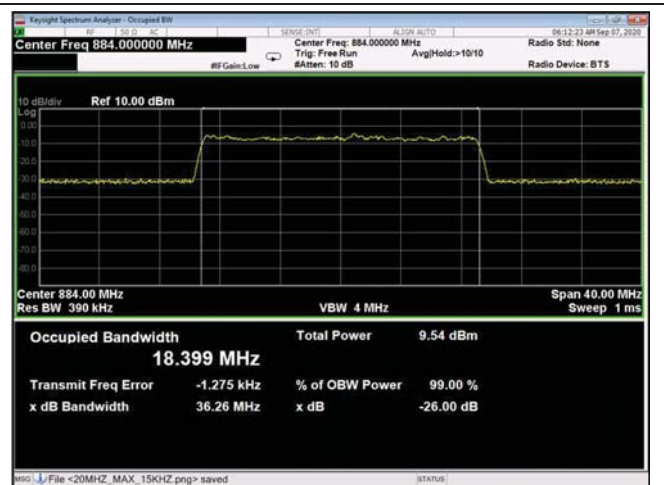


Figure 249: 64QAM 20MHz B.W.; 884.0MHz, 30kHz - Input

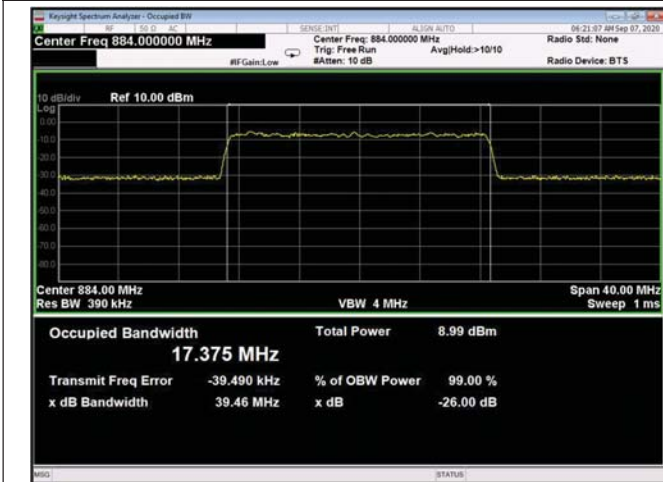


Figure 250: 64QAM 20MHz B.W.; 884.0MHz, 60kHz - Input

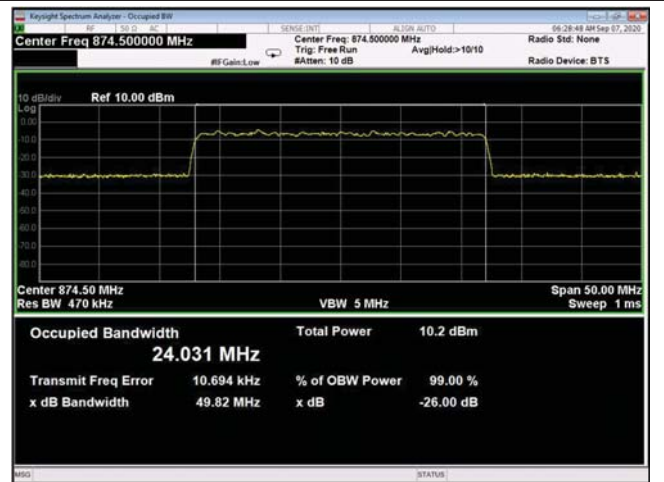


Figure 251: 64QAM 25MHz B.W.; 874.5 MHz, 15kHz - Input

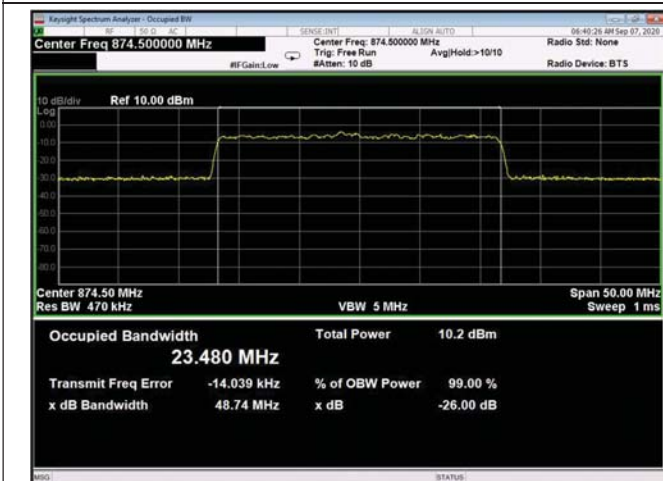


Figure 252: 64QAM 25MHz B.W.; 874.5MHz, 30kHz- Input

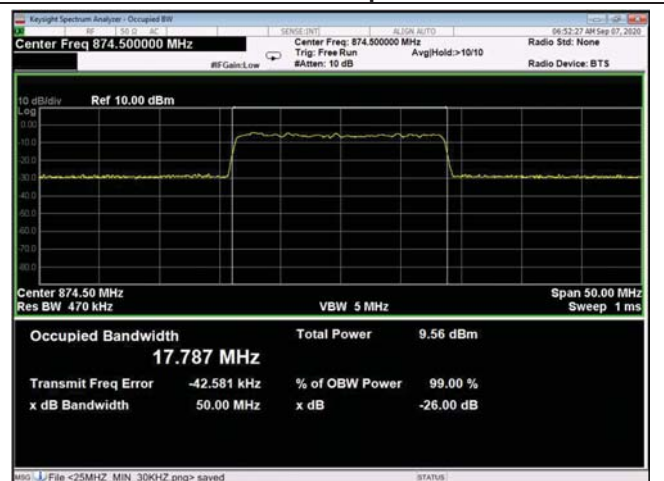


Figure 253: 64QAM 25MHz B.W.; 874.5MHz, 60kHz - Input

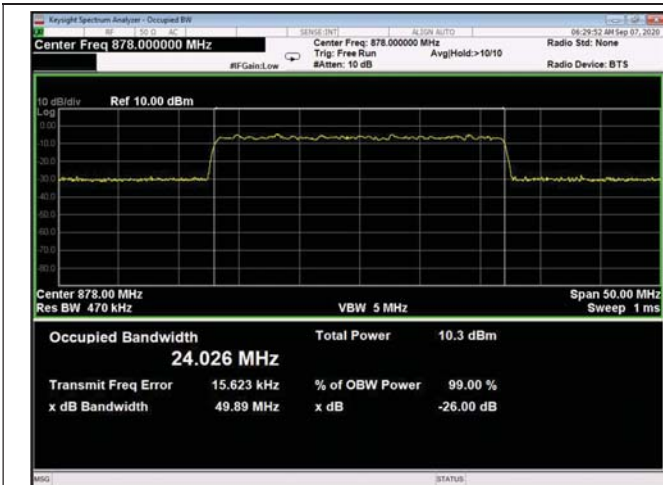


Figure 254: 64QAM 25MHz B.W.; 878.5MHz, 15kHz - Input

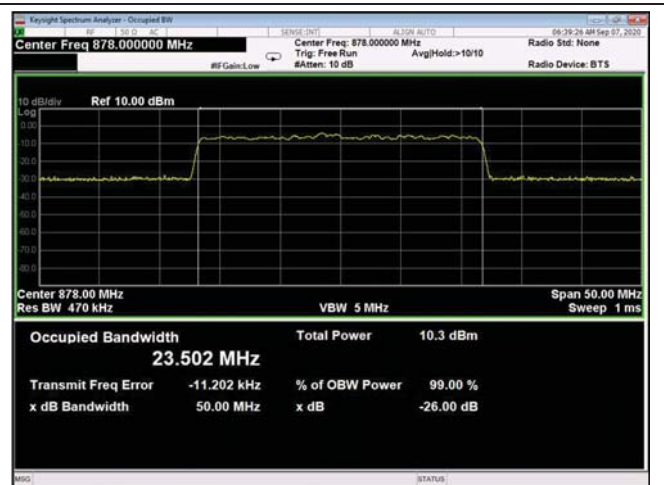


Figure 255: 64QAM 25MHz B.W.; 878.5MHz, 30kHz - Input

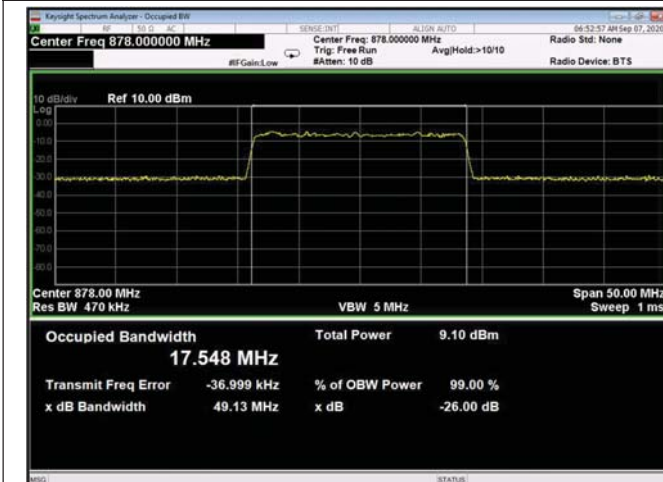


Figure 256: 64QAM 25MHz B.W.; 878.5MHz, 60kHz - Input

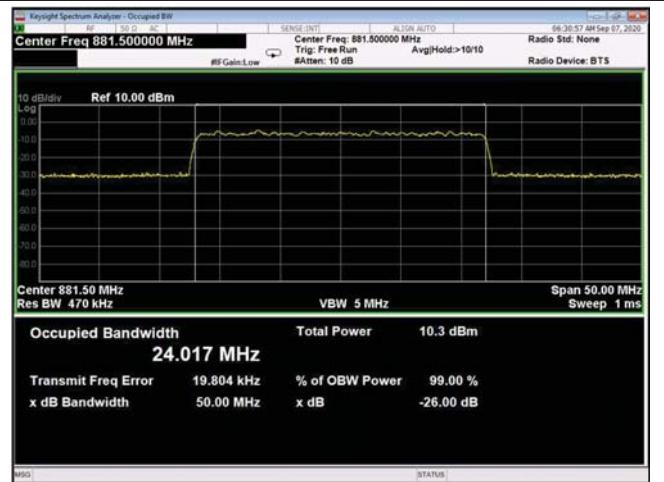


Figure 257: 64QAM 25MHz B.W.; 881.5MHz, 15kHz - Input



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

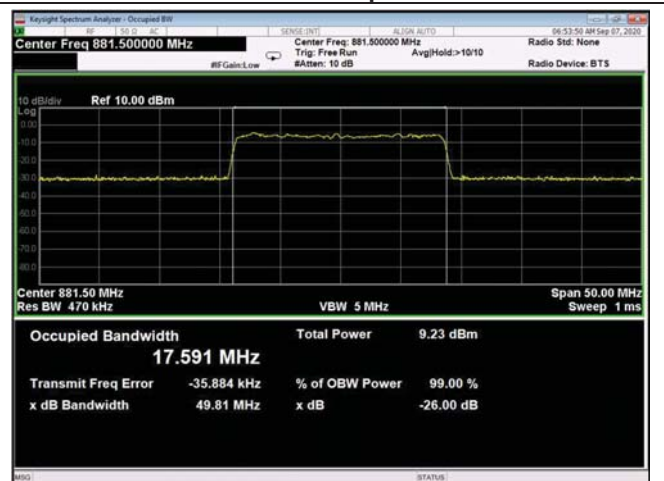


Figure 259: 64QAM 25MHz B.W.; 881.5MHz, 60kHz - Input

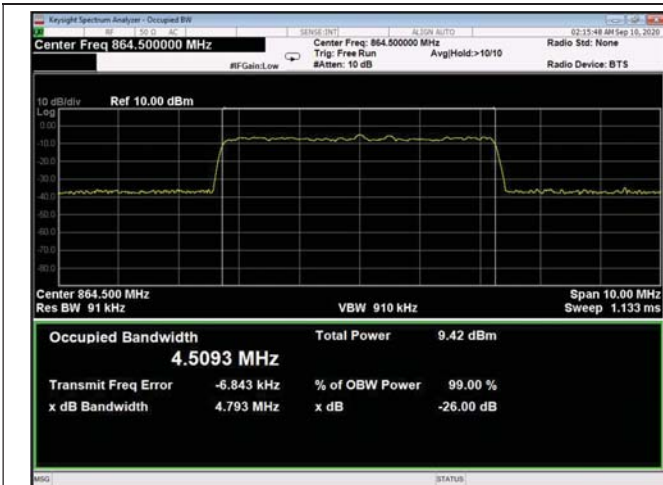


Figure 260: 256QAM 5MHz B.W.; 864.5MHz, 15kHz - Input



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

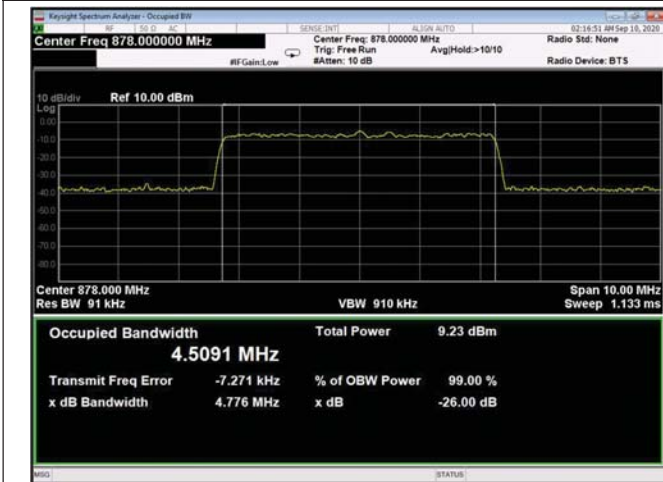


Figure 262: 256QAM 5MHz B.W.; 878.0MHz, 15kHz - Input



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

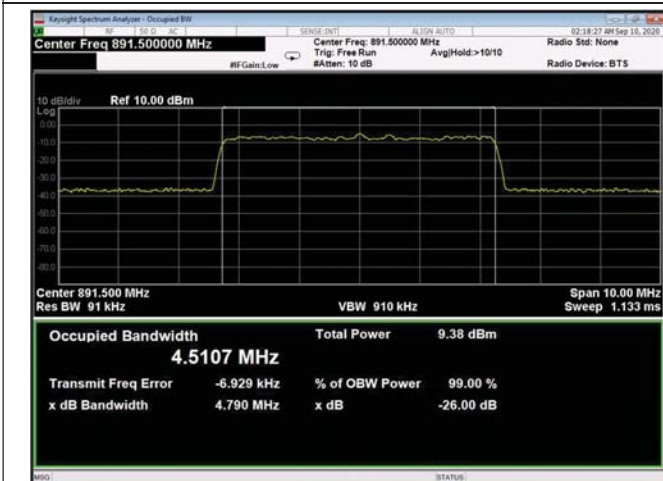


Figure 264: 256QAM 5MHz B.W.; 891.5MHz, 15kHz - Input



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

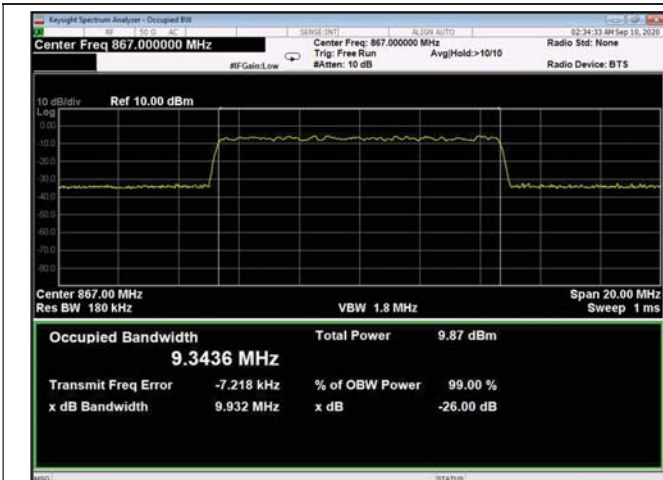


Figure 266: 256QAM 10MHz B.W.; 867.0MHz, 15kHz - Input



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

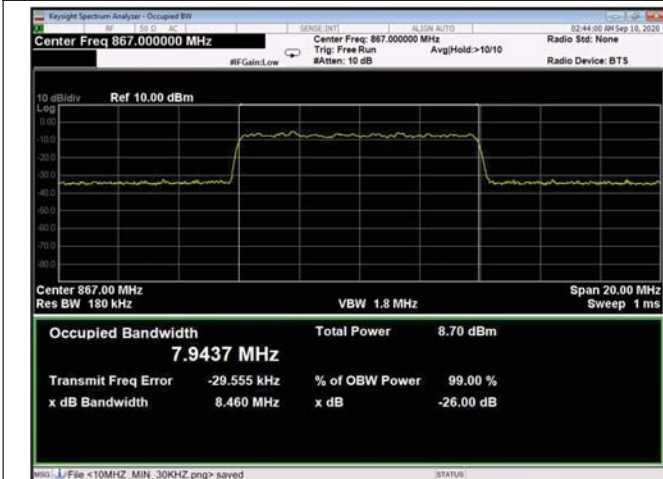


Figure 268: 256QAM 10MHz B.W.; 867.0MHz, 60kHz - Input

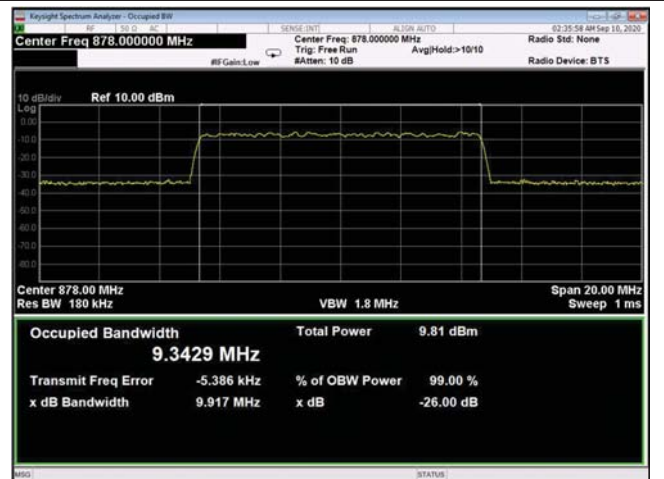


Figure 269: 256QAM 10MHz B.W.; 878.0MHz, 15kHz - Input

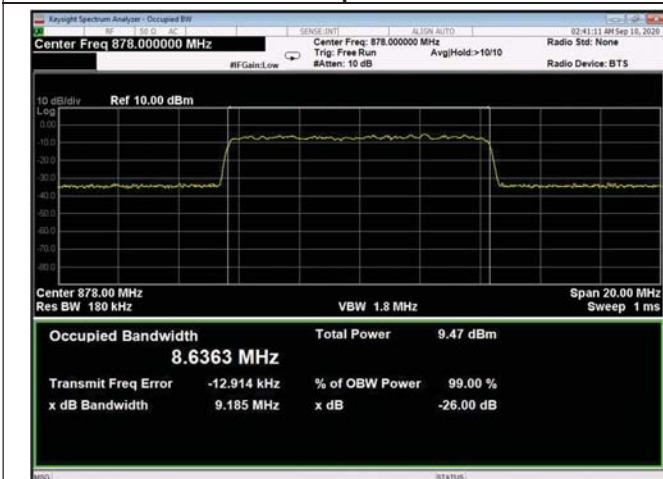


Figure 270: 256QAM 10MHz B.W.; 878.0MHz, 30kHz - Input

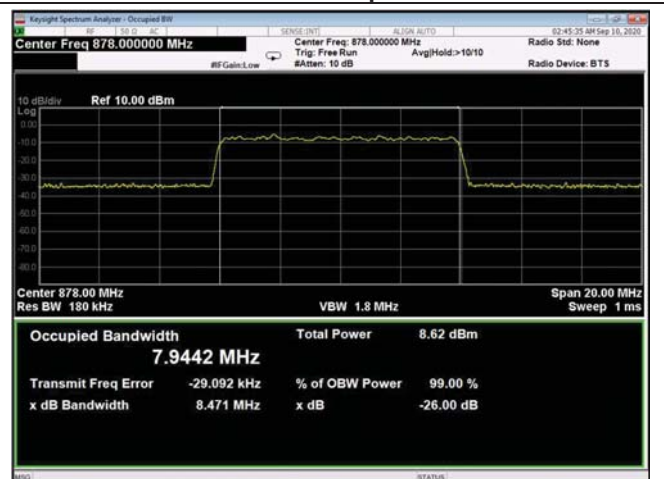


Figure 271: 256QAM 10MHz B.W.; 878.0MHz, 60kHz - Input

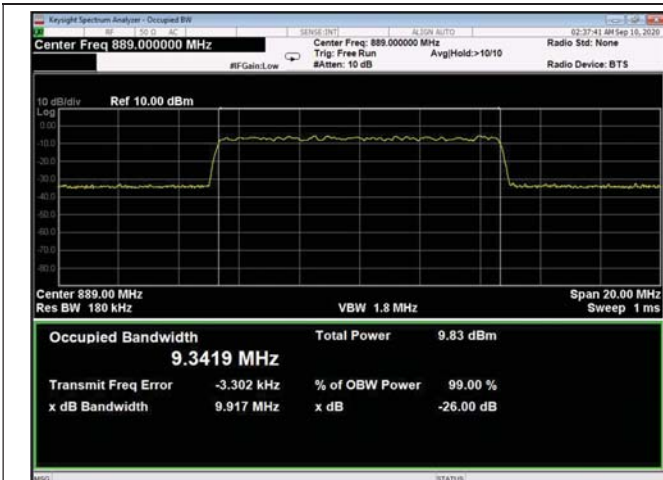


Figure 272: 256QAM 10MHz B.W.; 889.0MHz, 15kHz - Input



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

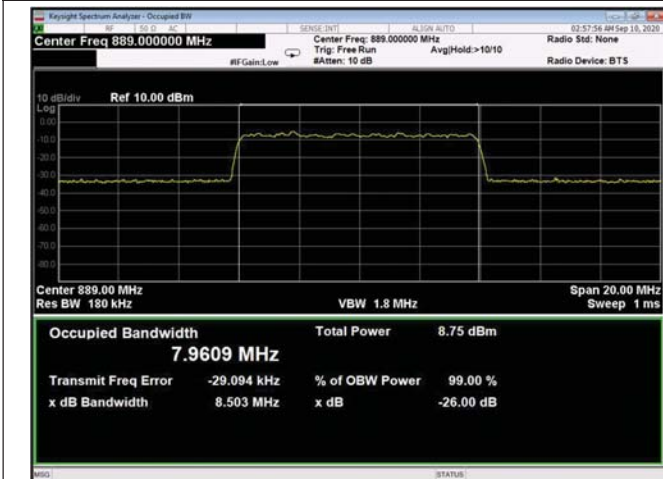


Figure 274: 256QAM 10MHz B.W.; 889.0MHz, 60kHz - Input

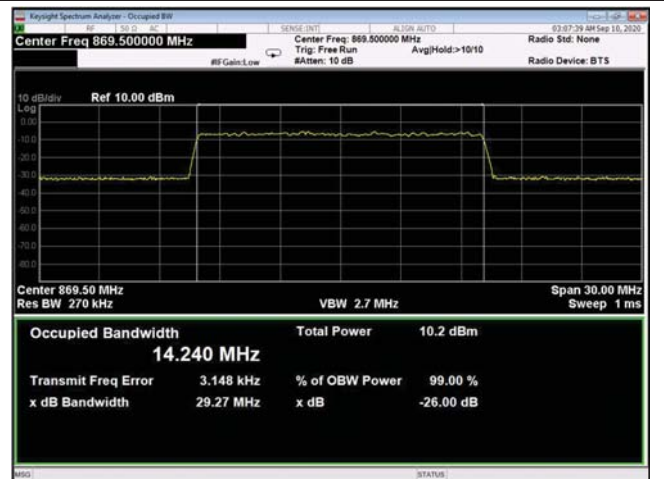


Figure 275: 256QAM 15MHz B.W.; 869.5MHz, 15kHz - Input

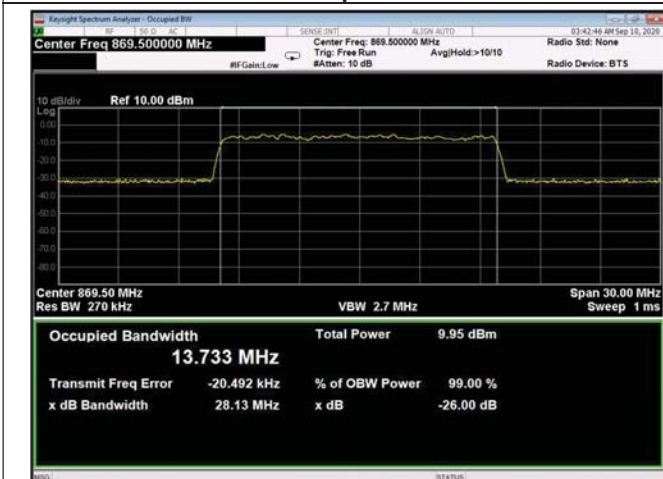


Figure 276: 256QAM 15MHz B.W.; 869.5MHz, 30kHz - Input



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

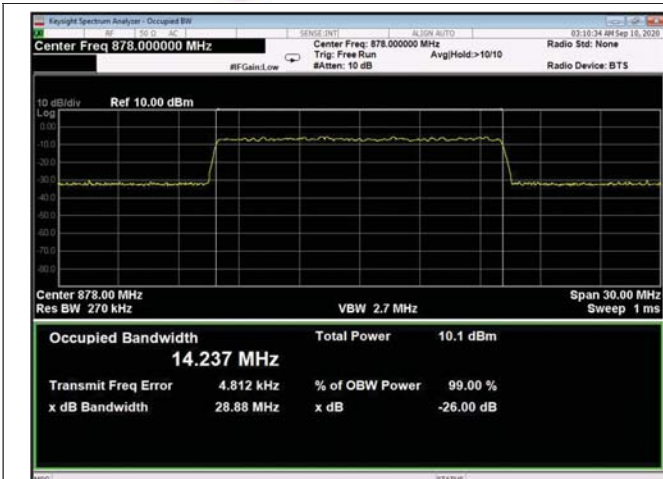


Figure 278: 256QAM 15MHz B.W.; 878.0MHz, 15kHz - Input



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

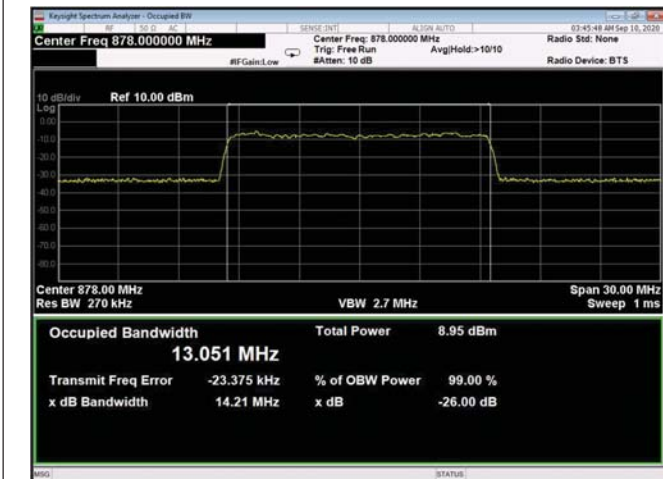


Figure 280: 256QAM 15MHz B.W.; 878.0MHz, 60kHz - Input



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

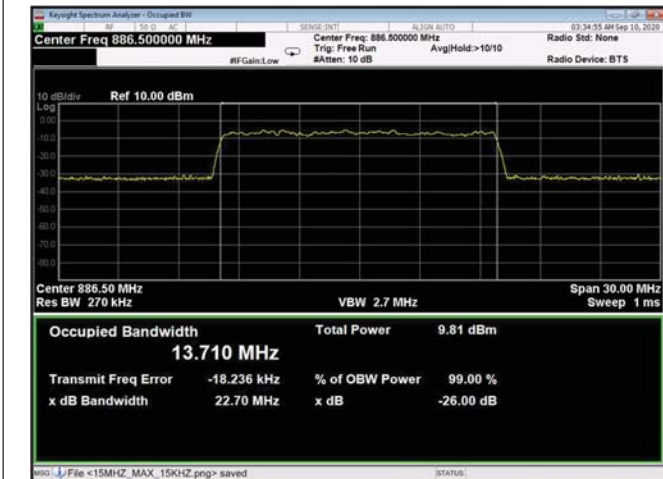


Figure 282: 256QAM 15MHz B.W.; 886.5MHz, 30kHz - Input

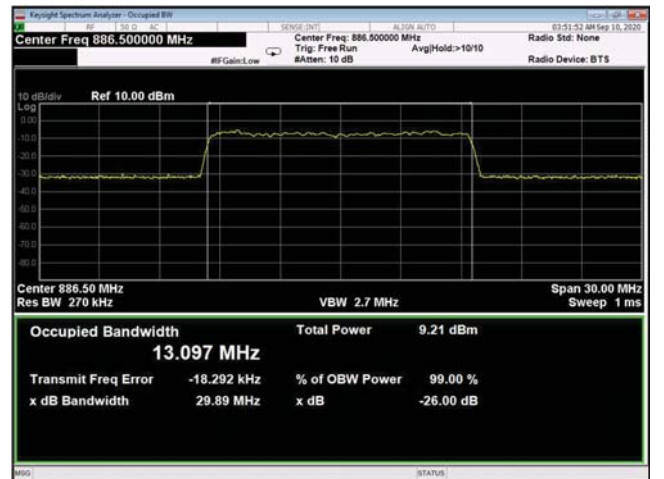


Figure 283: 256QAM 15MHz B.W.; 886.5MHz, 60kHz - Input

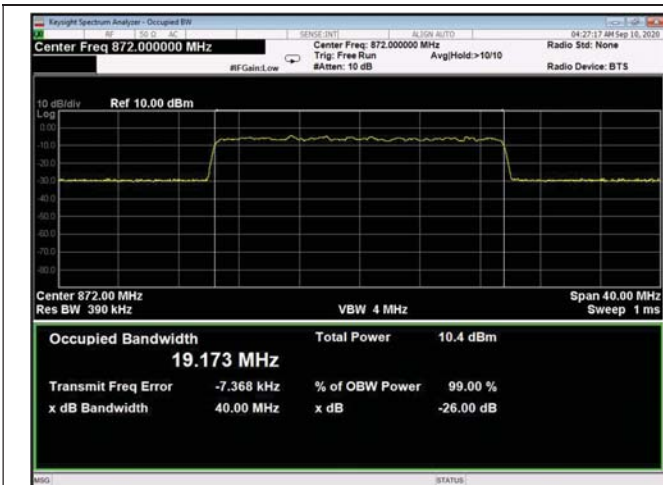


Figure 284: 256QAM 20MHz B.W.; 872.0MHz, 15kHz - Input



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

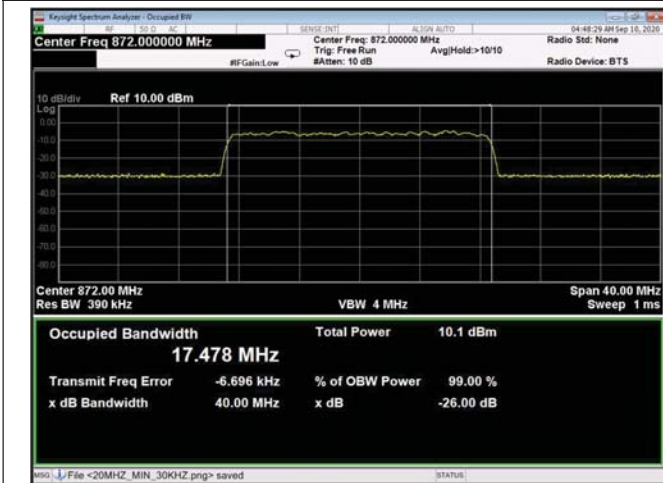


Figure 286: 256QAM 20MHz B.W.; 872.0MHz, 60kHz - Input

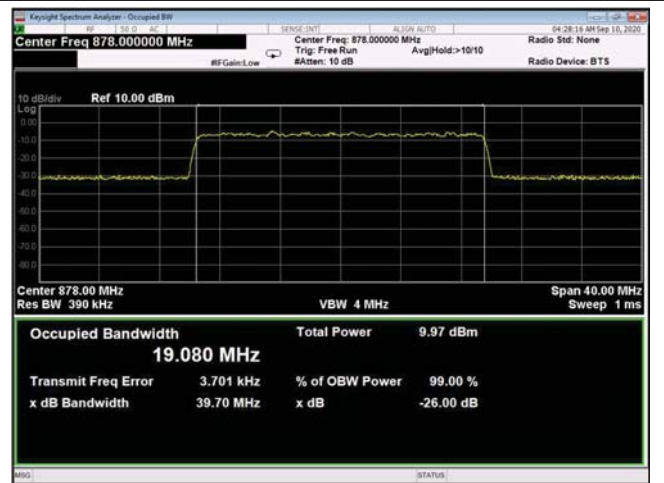


Figure 287: 256QAM 20MHz B.W.; 878.0MHz, 15kHz - Input

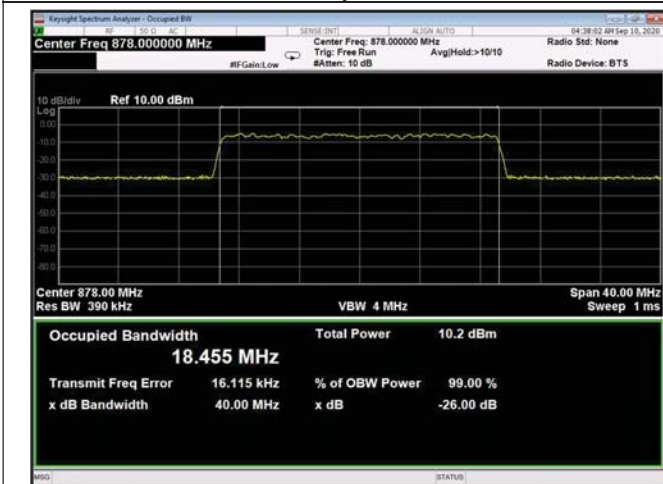


Figure 288: 256QAM 20MHz B.W.; 878.0MHz, 30kHz - Input

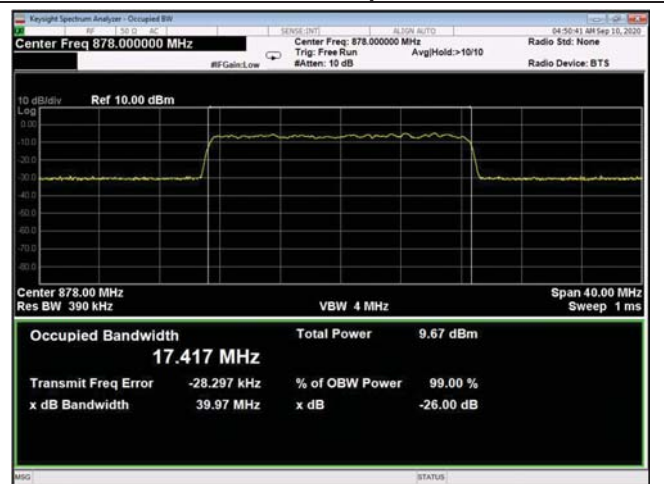


Figure 289: 256QAM 20MHz B.W.; 878.0MHz, 60kHz - Input

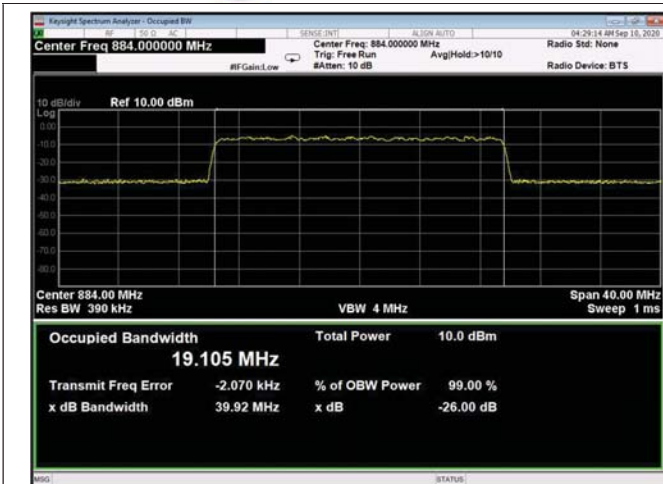


Figure 290: 256QAM 20MHz B.W.; 884.0MHz, 15kHz - Input



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

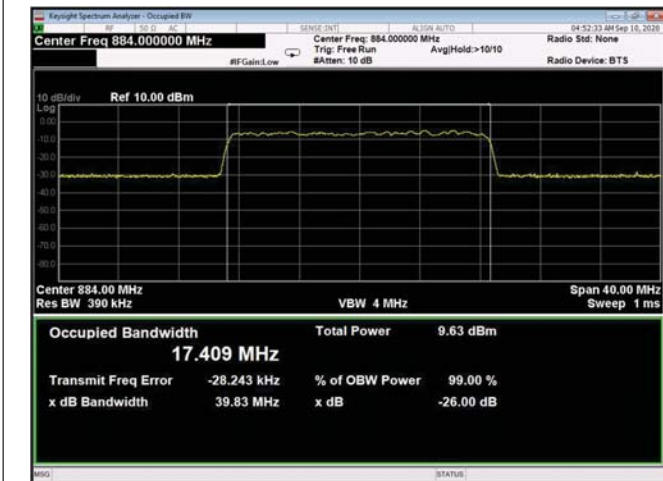


Figure 292: 256QAM 20MHz B.W.; 884.0MHz, 60kHz - Input



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

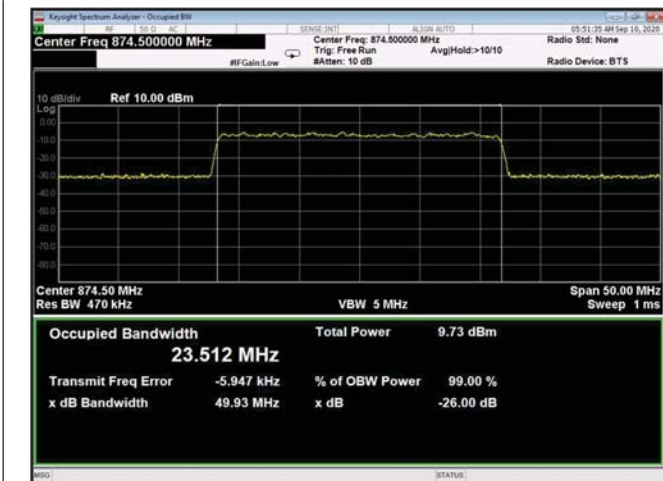


Figure 294: 256QAM 25MHz B.W.; 874.5MHz, 30kHz - Input

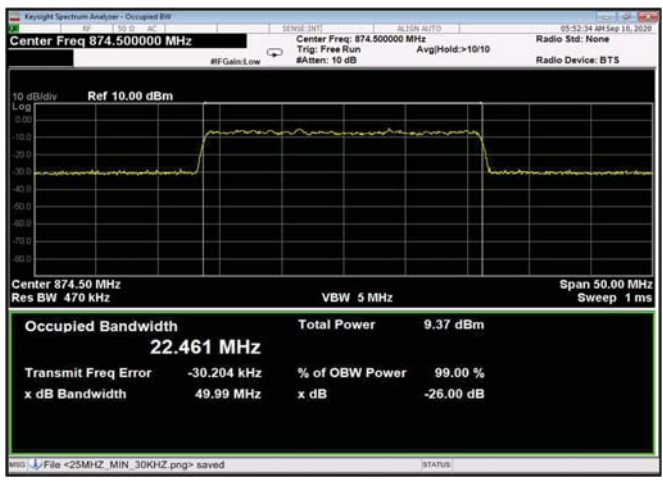


Figure 295: 256QAM 25MHz B.W.; 874.5MHz, 60kHz - Input

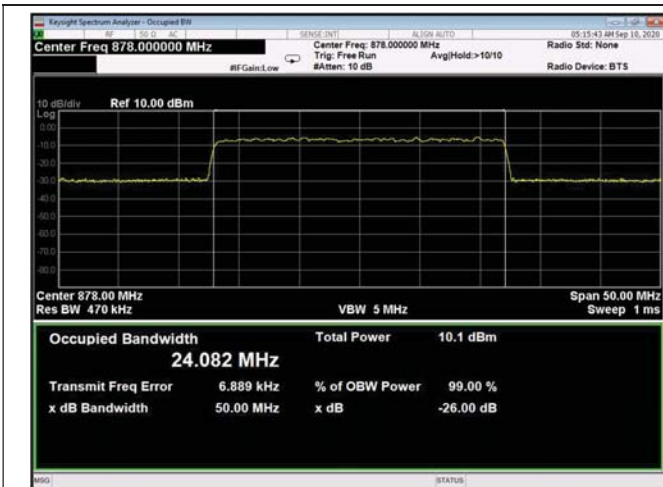


Figure 296: 256QAM 25MHz B.W.; 878.0MHz, 15kHz - Input

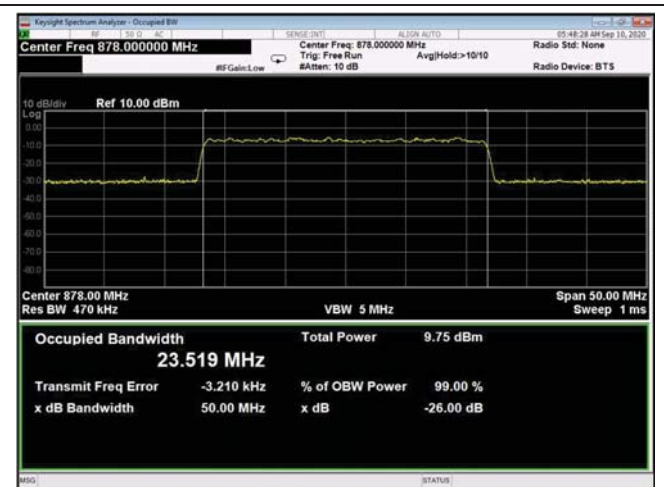


Figure 297: 256QAM 25MHz B.W.; 878.0MHz, 30kHz - Input

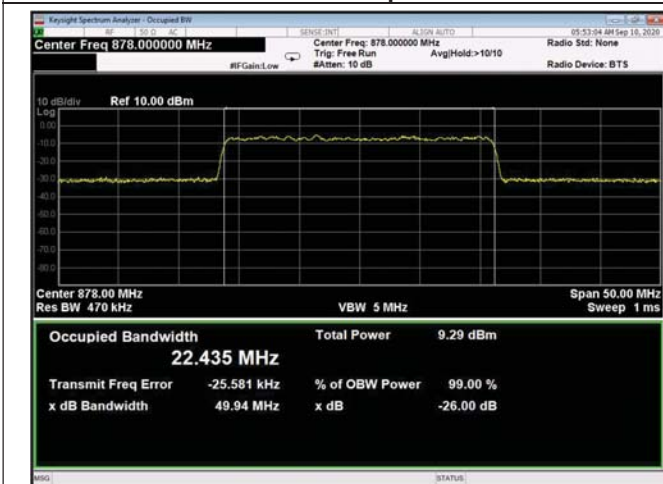


Figure 298: 256QAM 25MHz B.W.; 878.0MHz, 60kHz - Input

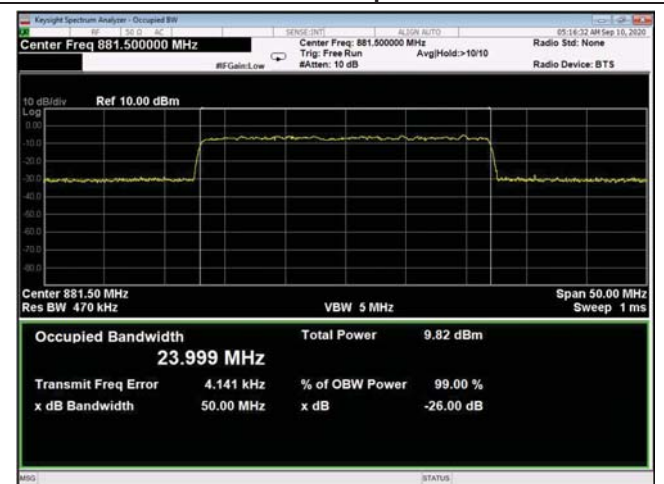


Figure 299: 256QAM 25MHz B.W.; 881.5MHz, 15kHz - Input

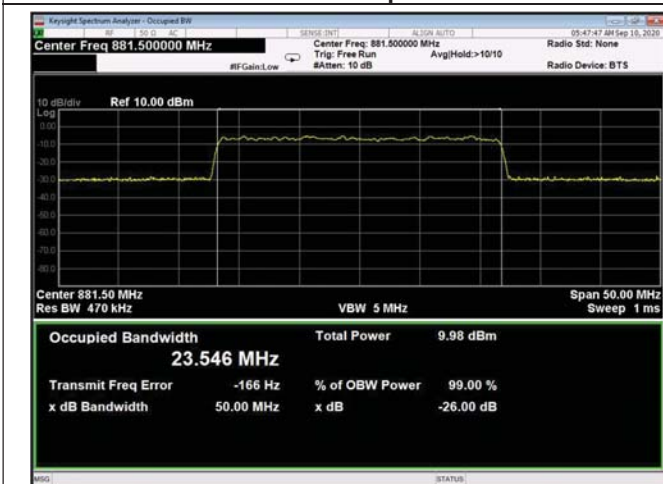


Figure 300: 256QAM 25MHz B.W.; 881.5MHz, 30kHz - Input

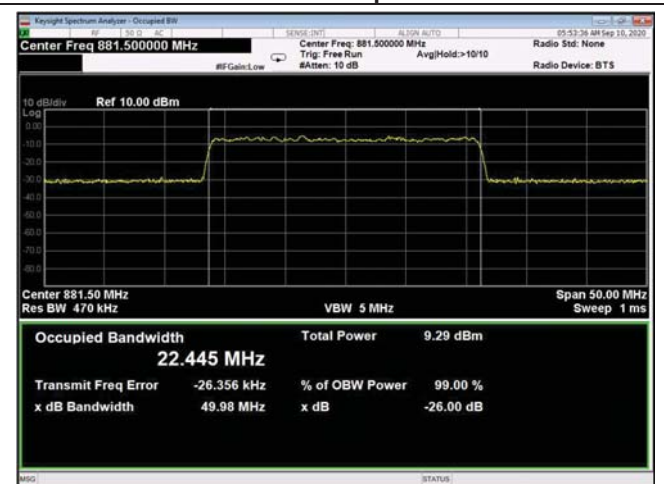


Figure 301: 256QAM 25MHz B.W.; 881.5MHz, 60kHz - Input

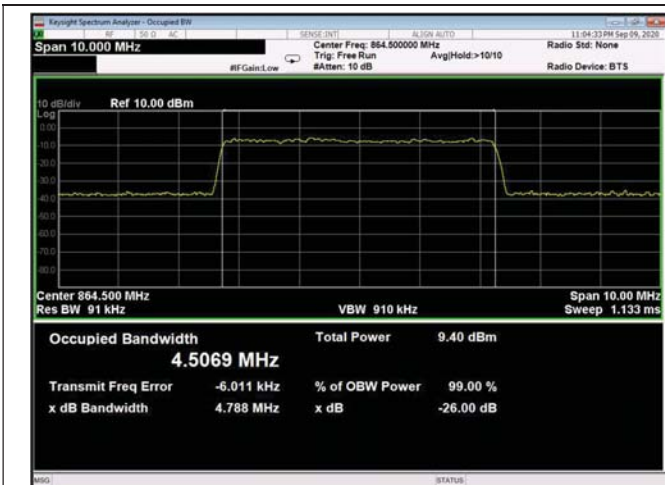


Figure 302: QPSK 5MHz B.W.; 864.5MHz, 15kHz - Input

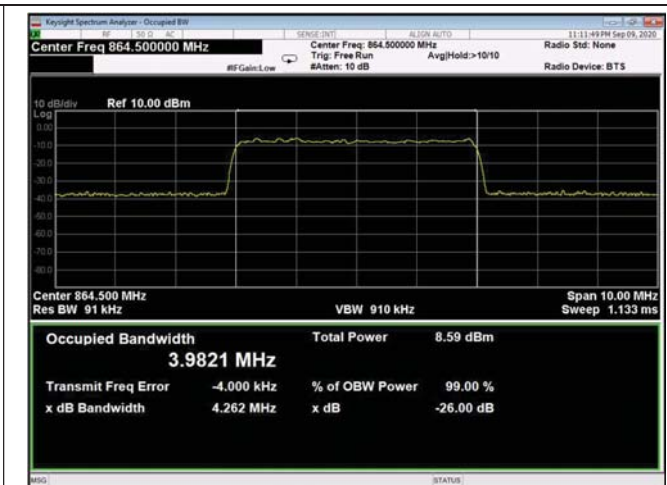


Figure 303: QPSK 5MHz B.W.; 864.5MHz, 30kHz - Input

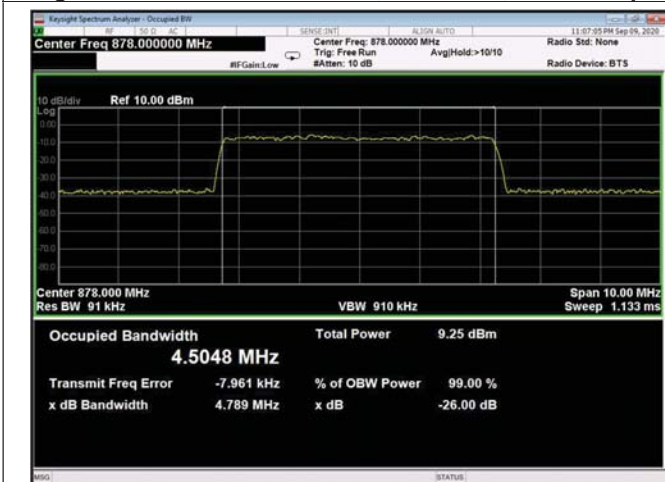


Figure 304: QPSK 5MHz B.W.; 878.0MHz, 15kHz - Input

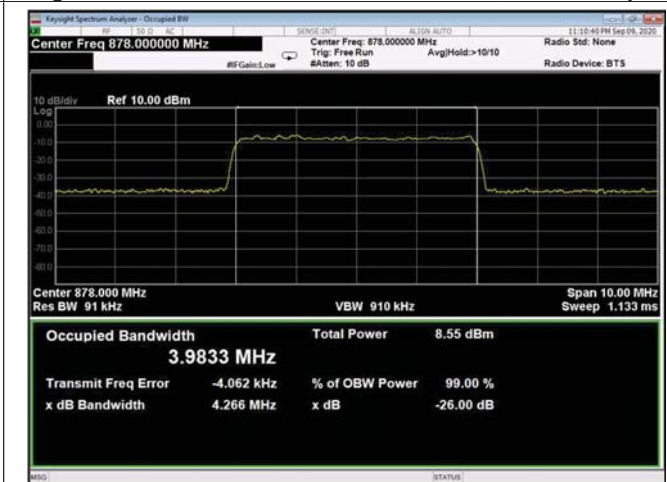


Figure 305: QPSK 5MHz B.W.; 878.0MHz, 30kHz - Input

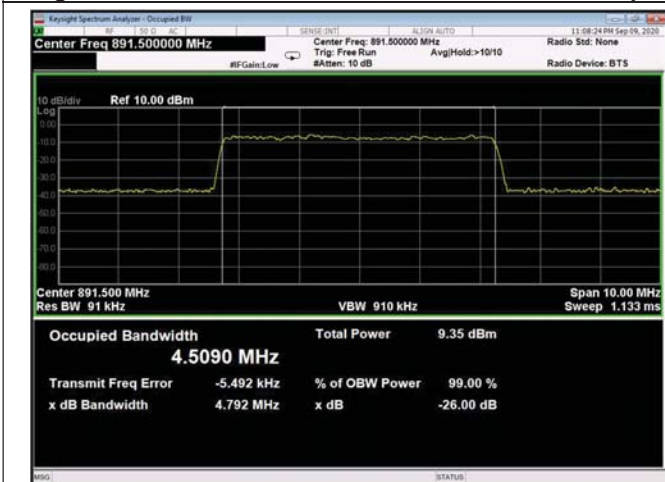


Figure 306: QPSK 5MHz B.W.; 891.5MHz, 15kHz - Input

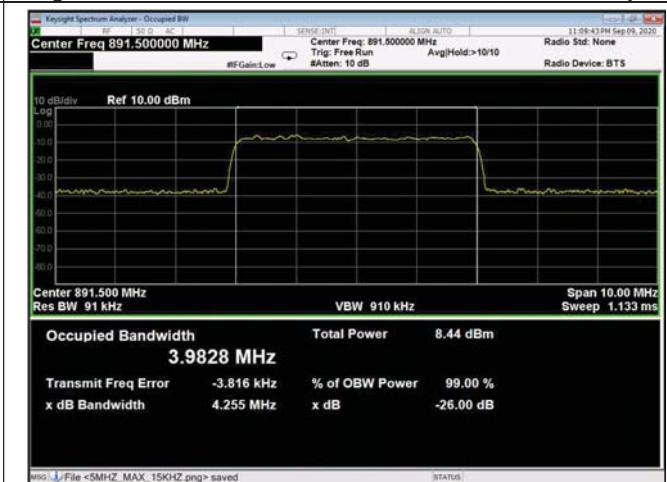


Figure 307: QPSK 5MHz B.W.; 891.5MHz, 30kHz - Input

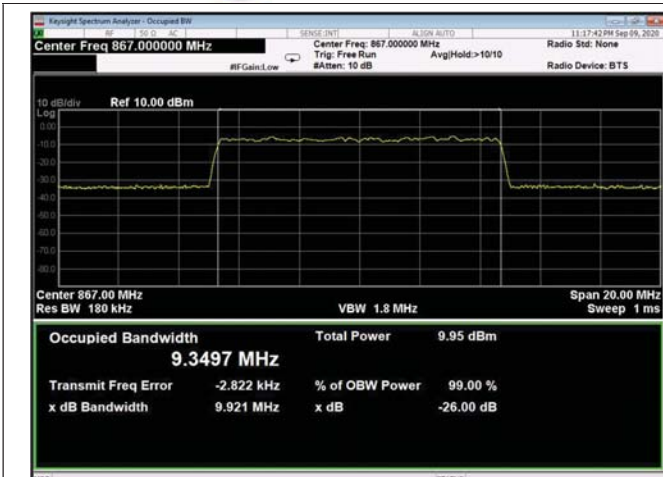


Figure 308: QPSK 10MHz B.W.; 867.0MHz, 15kHz - Input



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

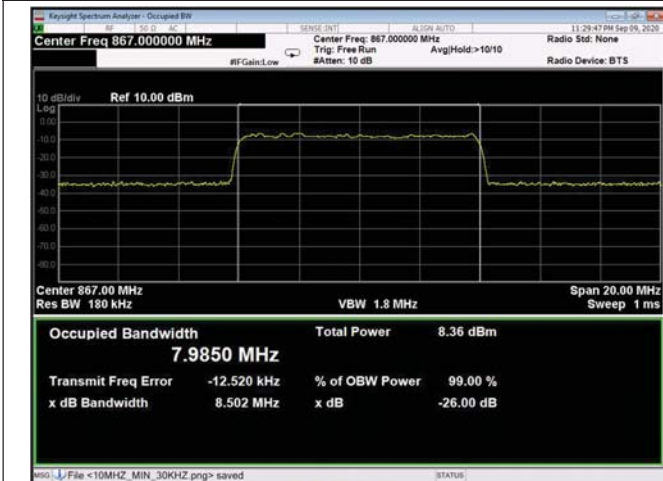


Figure 310: QPSK 10MHz B.W.; 867.0MHz, 60kHz - Input

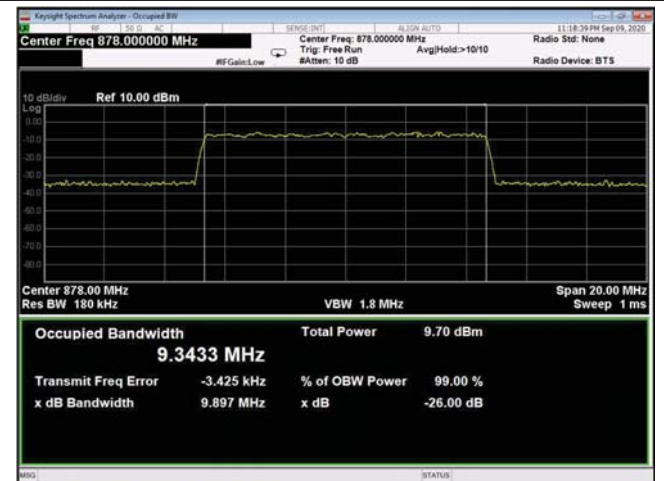


Figure 311: QPSK 10MHz B.W.; 878.0MHz, 15kHz - Input

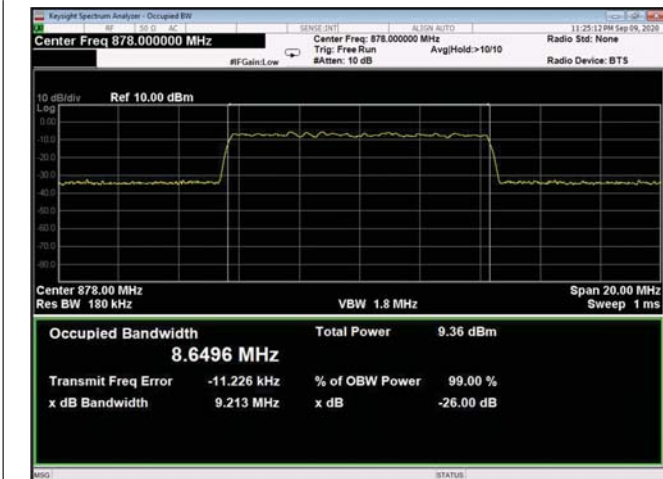


Figure 312: QPSK 10MHz B.W.; 878.0MHz, 30kHz - Input

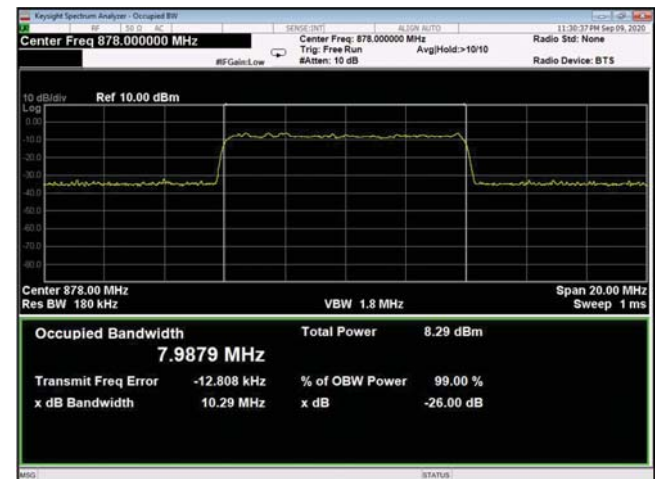


Figure 313: QPSK 10MHz B.W.; 878.0MHz, 60kHz - Input

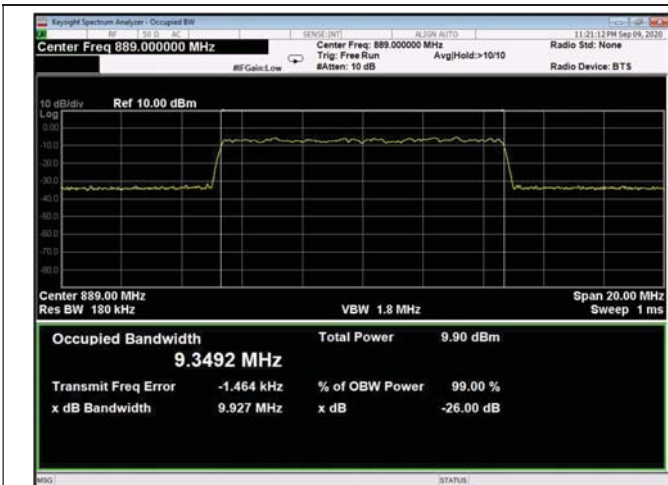


Figure 314: QPSK 10MHz B.W.; 889.0MHz, 15kHz - Input



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

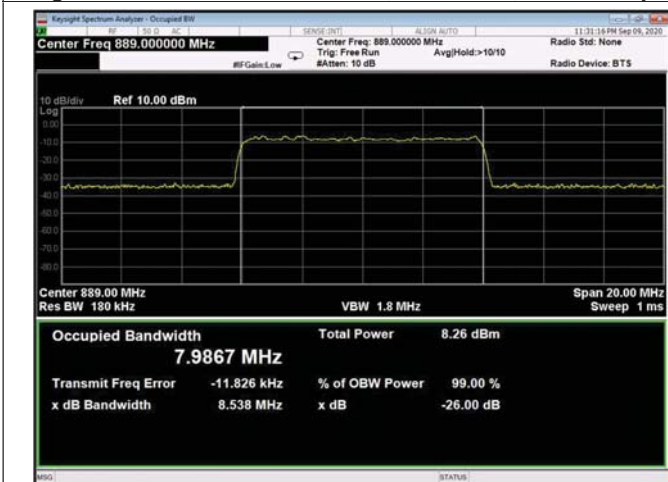


Figure 316: QPSK 10MHz B.W.; 889.0MHz, 60kHz - Input

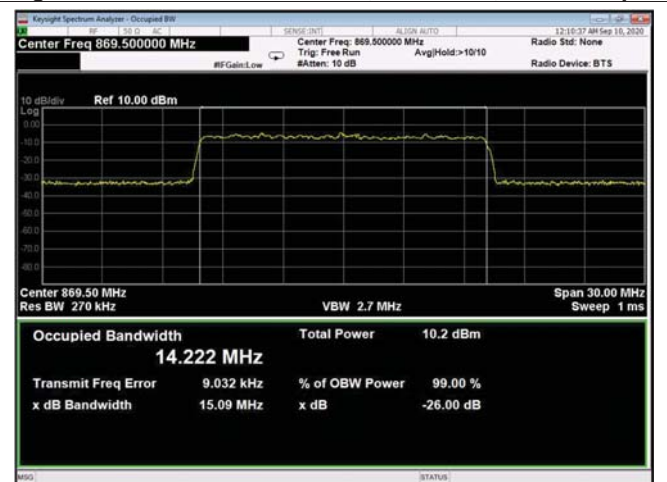


Figure 317: QPSK 15MHz B.W.; 869.5MHz, 15kHz - Input

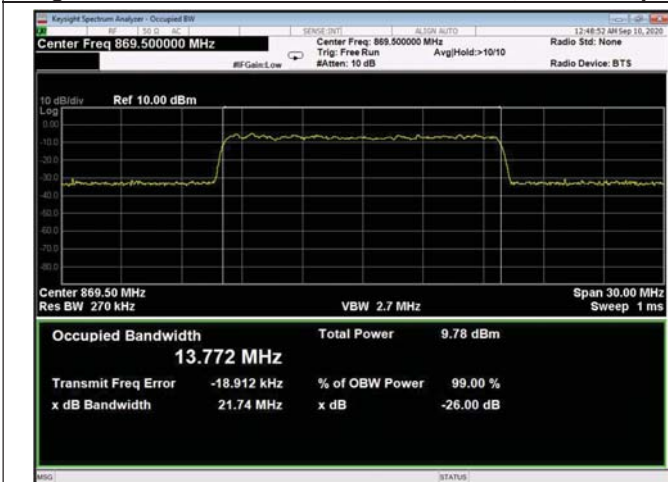


Figure 318: QPSK 15MHz B.W.; 869.5MHz, 30kHz - Input

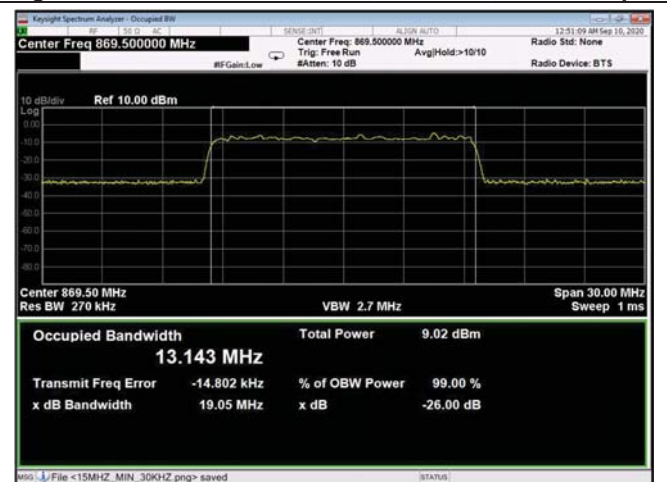


Figure 319: QPSK 15MHz B.W.; 869.5MHz, 60kHz - Input

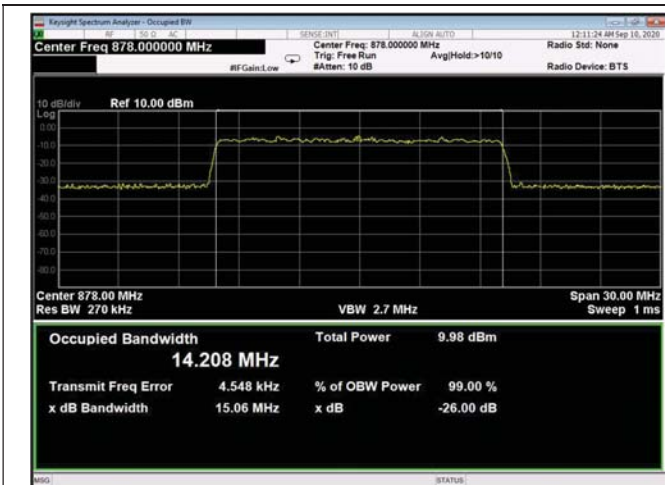


Figure 320: QPSK 15MHz B.W.; 878.0MHz, 15kHz - Input

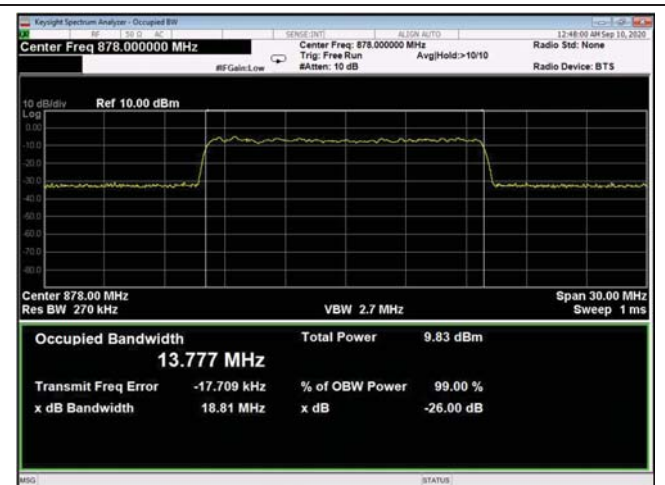


Figure 321: QPSK 15MHz B.W.; 878.0MHz, 30kHz - Input

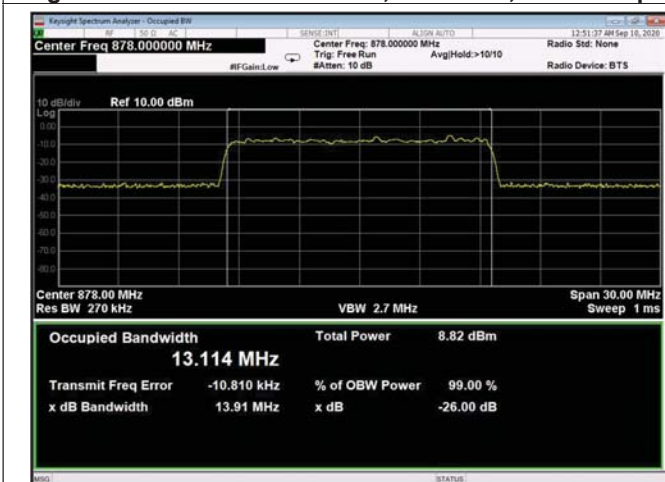


Figure 322: QPSK 15MHz B.W.; 878.0MHz, 60kHz - Input

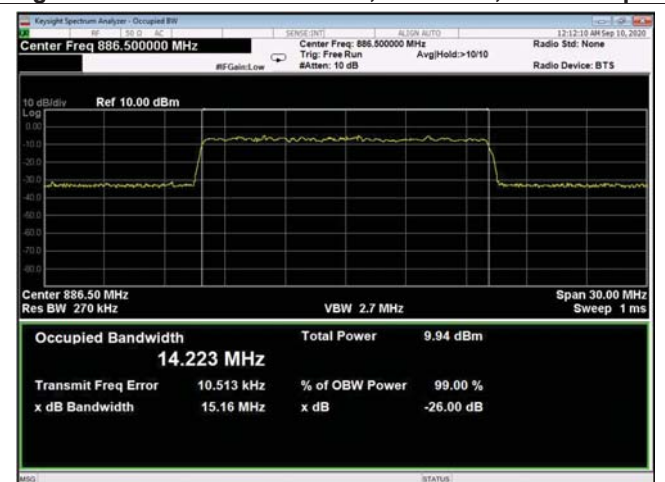


Figure 323: QPSK 15MHz B.W.; 886.5MHz, 15kHz - Input

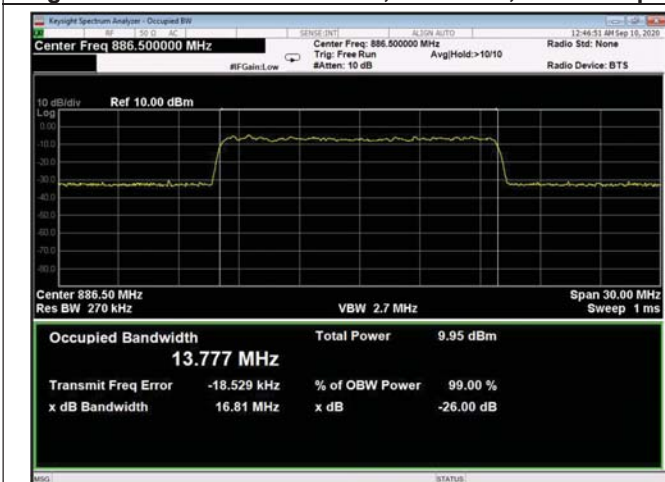


Figure 324: QPSK 15MHz B.W.; 886.5MHz, 30kHz - Input

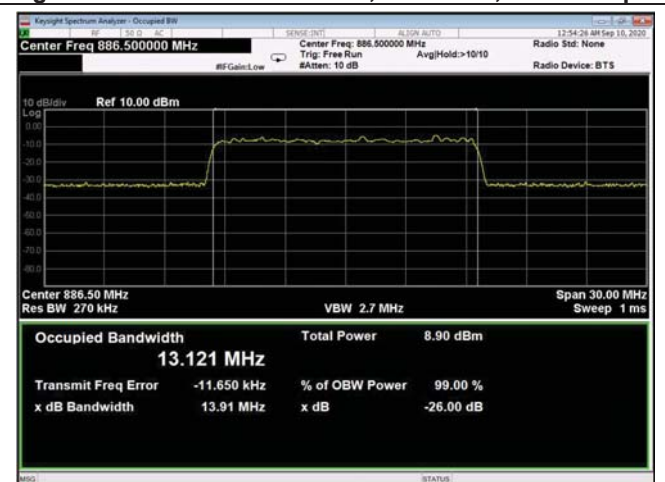


Figure 325: QPSK 15MHz B.W.; 886.5MHz, 60kHz - Input

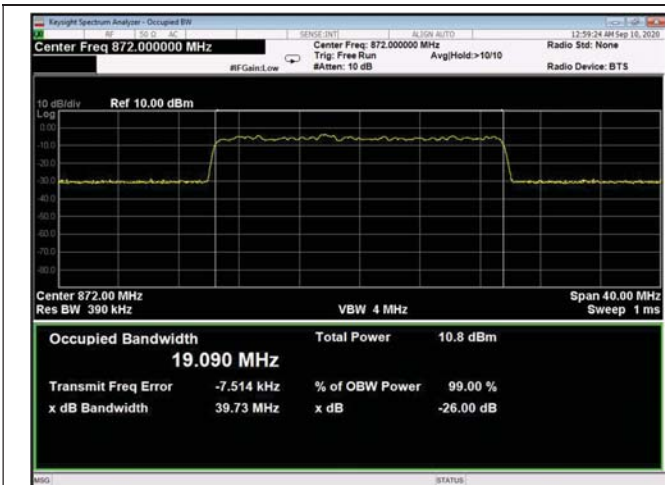


Figure 326: QPSK 20MHz B.W.; 872.0MHz, 15kHz - Input



Figure 327: QPSK 20MHz B.W.; 872.05MHz, 30kHz - Input

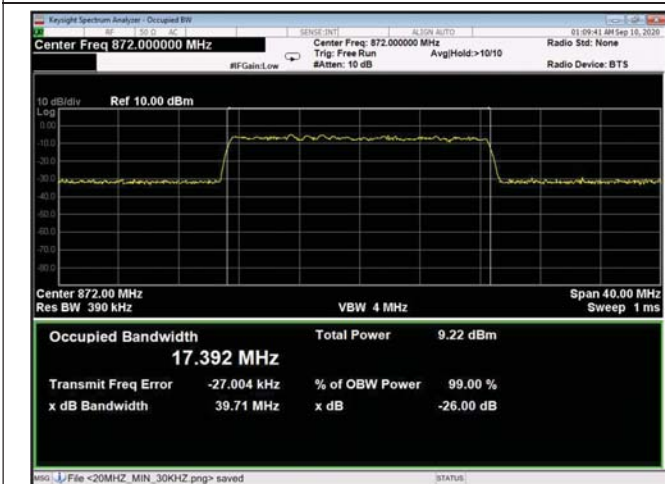


Figure 328: QPSK 20MHz B.W.; 872.0MHz, 60kHz - Input

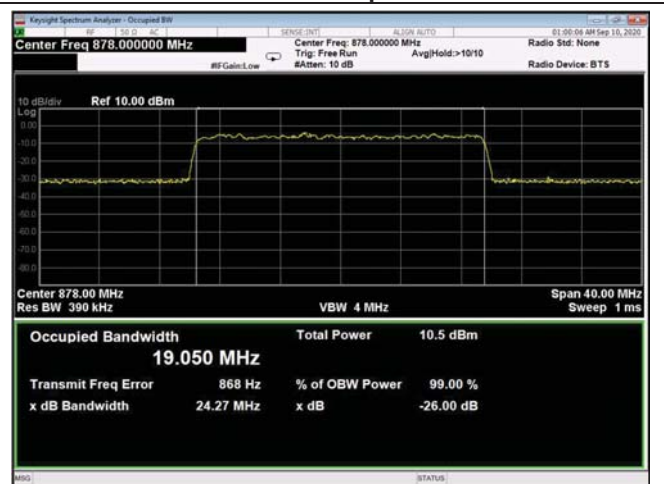


Figure 329: QPSK 20MHz B.W.; 878.0MHz, 15kHz - Input

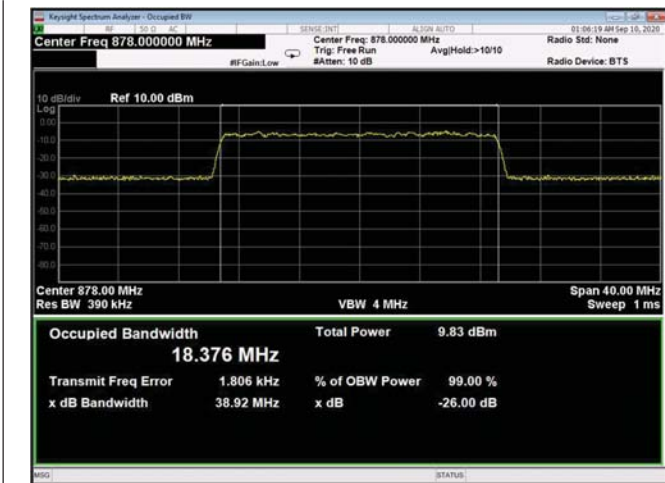


Figure 330: QPSK 20MHz B.W.; 878.0MHz, 30kHz - Input

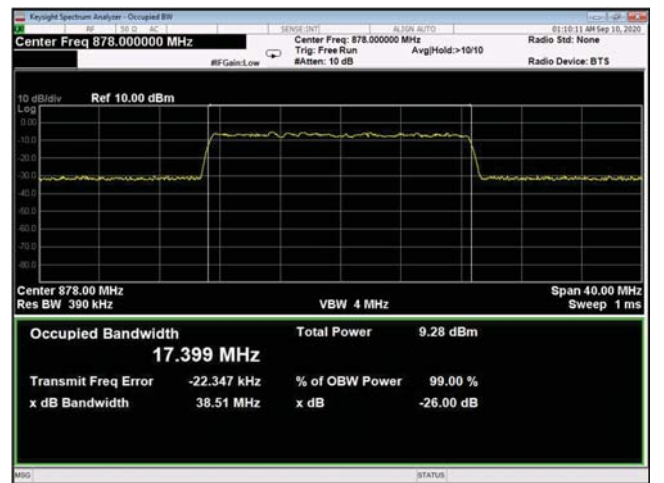


Figure 331: QPSK 20MHz B.W.; 878.0MHz, 60kHz - Input

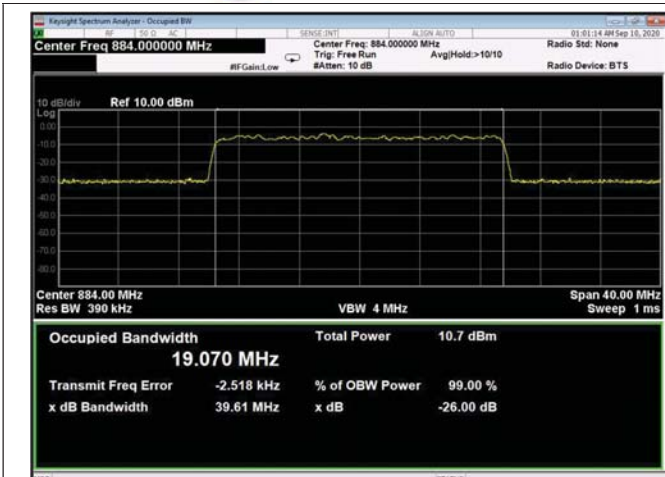


Figure 332: QPSK 20MHz B.W.; 884.0MHz, 15kHz - Input



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

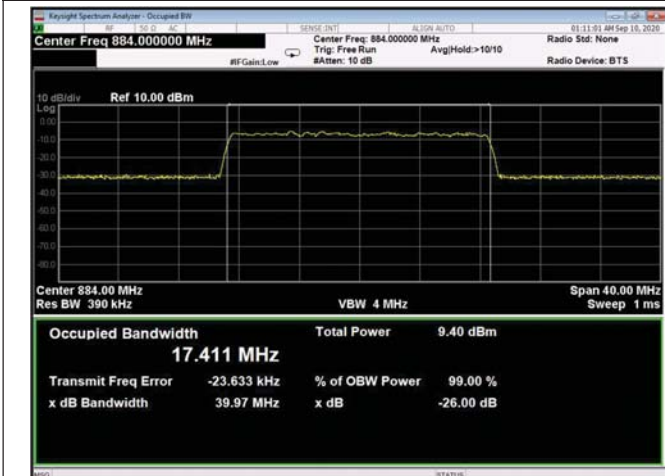


Figure 334: QPSK 20MHz B.W.; 884.0MHz, 60kHz - Input



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

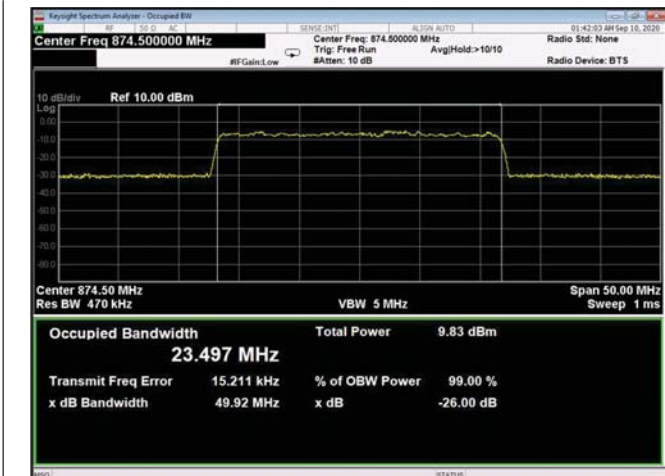


Figure 336: QPSK 25MHz B.W.; 874.5MHz, 30kHz - Input



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

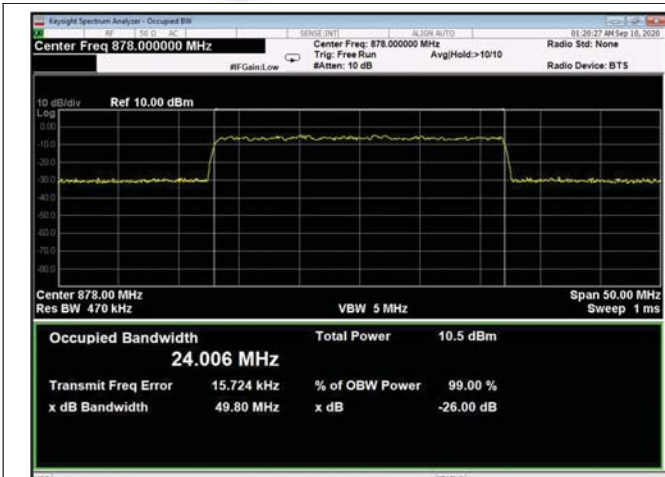


Figure 338: QPSK 25MHz B.W.; 878.0MHz, 15kHz - Input

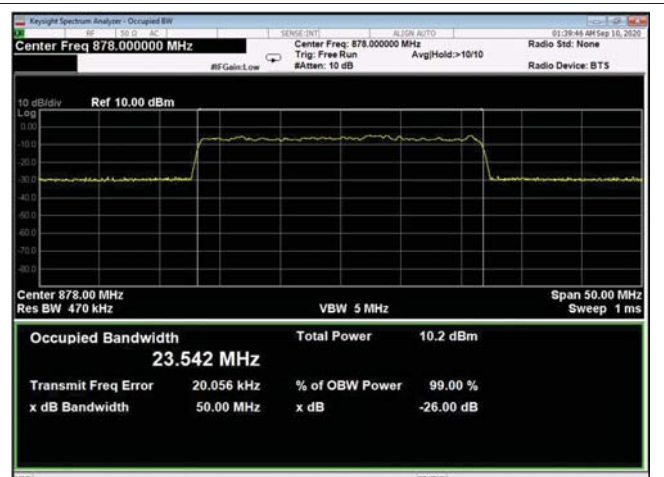


Figure 339: QPSK 25MHz B.W.; 878.0MHz, 30kHz - Input

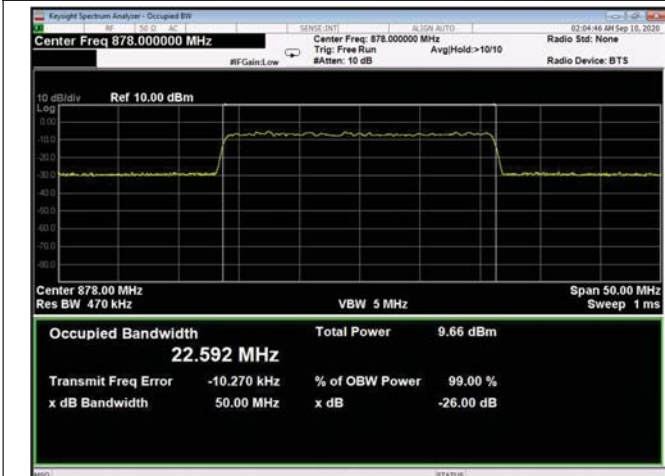


Figure 340: QPSK 25MHz B.W.; 878.0MHz, 60kHz - Input

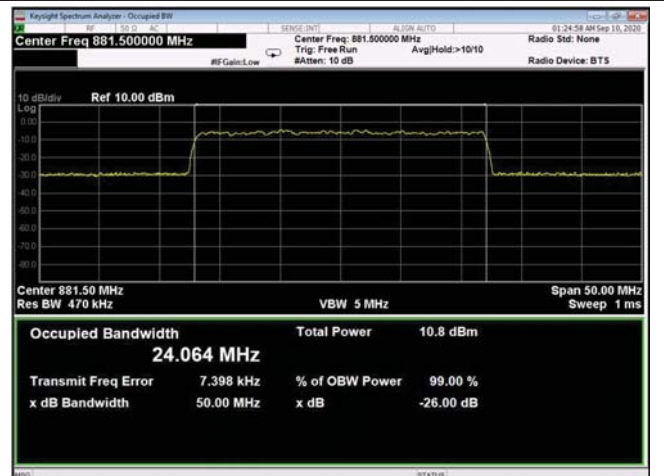


Figure 341: QPSK 25MHz B.W.; 881.5MHz, 15kHz - Input

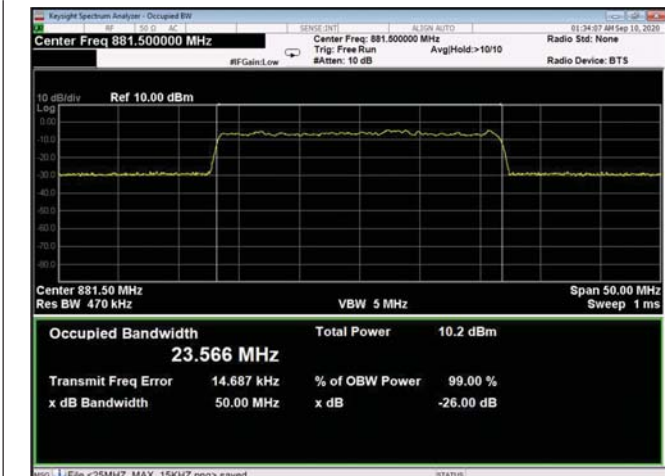


Figure 342: QPSK 25MHz B.W.; 881.5MHz, 30kHz - Input



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