



4.4 Test Equipment Used; RF Power Output

Instrument	Manufacturer	Model	Serial Number	Calibration	
				Last Calibration Date	Next Calibration Due
EXA signal Analyzer	Agilent Technologies	N9010A	MY52220686	November 28, 2018	May 30, 2021
Vector Signal Generator	R&S	SMBV100B	1423.1003K02-101470-XE	October 2, 2019	October 2, 2022
40 dB Attenuator	Weinschel	WA 39-40-33	A1323	July 7, 2020	July 31, 2021
RF Cable	Huber Suner	Sucofelex	27504/4PEA	August 23, 2020	August 31, 2021

Table 9 Test Equipment Used



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 10* to *Table 24* and *Figure 273* to *Figure 800*.

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
16QAM	5	15	1932.5	4.4861
		30	1932.5	3.9432
		15	1962.5	4.4847
		30	1962.5	3.9431
		15	1992.5	4.4858
		30	1992.5	3.9432
	10	15	1935.0	9.2424
		30	1935.0	8.5345
		60	1935.0	7.8832
		15	1962.5	9.2455
		30	1962.5	8.5317
		60	1962.5	7.8840
		15	1990.0	9.2452
		30	1990.0	8.5375
		60	1990.0	7.8835
	15	15	1937.5	14.165
		30	1937.5	13.668
		60	1937.5	12.915
		15	1962.5	14.166
		30	1962.5	13.665
		60	1962.5	12.916
		15	1987.5	14.169
		30	1987.5	13.669
		60	1987.5	12.917
	20	15	1940.0	19.003
		30	1940.0	18.328
		60	1940.0	17.145
		15	1962.5	18.997
		30	1962.5	18.328
		60	1962.5	17.150
		15	1985.0	19.004
		30	1985.0	18.338
		60	1985.0	17.149
	25	15	1942.5	23.843
		30	1942.5	23.338
		60	1942.5	22.297
		15	1962.5	23.827
		30	1962.5	23.321
		60	1962.5	22.295
		15	1982.5	23.826
		30	1982.5	23.325
		60	1982.5	22.300

Table 10 Occupied Bandwidth 16QAM - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
16QAM	40	15	1950.0	38.853
		30	1950.0	37.950
		60	1950.0	36.651
		15	1962.5	38.817
		30	1962.5	37.939
		60	1962.5	36.635
		15	1975.0	38.834
		30	1975.0	37.961
		60	1975.0	36.648
	50	15	1955.0	48.200
		30	1955.0	47.644
		60	1955.0	46.624
		15	1962.5	48.203
		30	1962.5	47.655
		60	1962.5	46.618
		15	1970.0	48.193
		30	1970.0	47.628
		60	1970.0	46.608
	60	30	1960.0	58.062
		60	1960.0	56.705
		30	1962.5	58.055
		60	1962.5	56.694
		30	1965.0	58.039
		60	1965.0	56.681

Table 11 Occupied Bandwidth 16QAM - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
64QAM	5	15	1932.5	4.4924
		30	1932.5	3.9413
		15	1962.5	4.4935
		30	1962.5	3.9421
		15	1992.5	4.4919
		30	1992.5	3.9413
	10	15	1935.0	9.3160
		30	1935.0	8.5896
		60	1935.0	7.887
		15	1962.5	9.3134
		30	1962.5	8.5923
		60	1962.5	7.8883
		15	1990.0	9.3162
		30	1990.0	8.5898
		60	1990.0	7.8884
	15	15	1937.5	14.144
		30	1937.5	13.603
		60	1937.5	12.893
		15	1962.5	14.140
		30	1962.5	13.605
		60	1962.5	12.894
		15	1987.5	14.143
		30	1987.5	13.607
		60	1987.5	12.889
	20	15	1940.0	18.971
		30	1940.0	18.236
		60	1940.0	18.239
		15	1962.5	18.970
		30	1962.5	18.235
		60	1962.5	17.188
		15	1985.0	18.970
		30	1985.0	18.240
		60	1985.0	17.183
	25	15	1942.5	23.807
		30	1942.5	23.275
		60	1942.5	22.209
		15	1962.5	23.792
		30	1962.5	23.254
		60	1962.5	22.214
		15	1982.5	23.805
		30	1982.5	23.263
		60	1982.5	22.212

Table 12 Occupied Bandwidth – 64QAM - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
64QAM	40	15	1950.0	38.668
		30	1950.0	37.902
		60	1950.0	36.503
		15	1962.5	38.658
		30	1962.5	37.882
		60	1962.5	36.457
		15	1975.0	38.661
		30	1975.0	37.902
		60	1975.0	36.478
	50	15	1955.0	48.355
		30	1955.0	47.555
		60	1955.0	46.536
		15	1962.5	48.345
		30	1962.5	47.542
		60	1962.5	46.523
		15	1970.0	48.340
		30	1970.0	47.548
		60	1970.0	46.512
	60	30	1960.0	58.031
		60	1960.0	56.602
		30	1962.5	58.029
		60	1962.5	56.595
		30	1965.0	58.037
		60	1965.0	56.579

Table 13 Occupied Bandwidth 64QAM - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
256QAM	5	15	1932.5	4.4958
		30	1932.5	3.9445
		15	1962.5	4.4954
		30	1962.5	3.9439
		15	1992.5	4.4957
		30	1992.5	3.9445
	10	15	1935.0	9.3022
		30	1935.0	8.5839
		60	1935.0	7.8833
		15	1962.5	9.3015
		30	1962.5	8.5854
		60	1962.5	7.8839
		15	1990.0	9.3021
		30	1990.0	8.5861
		60	1990.0	7.8842
	15	15	1937.5	14.146
		30	1937.5	13.623
		60	1937.5	12.946
		15	1962.5	14.145
		30	1962.5	13.617
		60	1962.5	12.947
		15	1987.5	14.143
		30	1987.5	13.613
		60	1987.5	12.949
	20	15	1940.0	18.971
		30	1940.0	18.259
		60	1940.0	17.180
		15	1962.5	18.971
		30	1962.5	18.262
		60	1962.5	17.167
		15	1985.0	18.968
		30	1985.0	18.261
		60	1985.0	17.166
	25	15	1942.5	23.841
		30	1942.5	23.275
		60	1942.5	22.168
		15	1962.5	23.821
		30	1962.5	23.266
		60	1962.5	22.168
		15	1982.5	23.829
		30	1982.5	23.268
		60	1982.5	22.171

Table 14 Occupied Bandwidth 256QAM - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
256QAM	40	15	1950.0	38.610
		30	1950.0	37.886
		60	1950.0	36.496
		15	1962.5	38.604
		30	1962.5	37.859
		60	1962.5	36.474
		15	1975.0	38.596
		30	1975.0	37.873
		60	1975.0	36.474
	50	15	1955.0	48.266
		30	1955.0	47.579
		60	1955.0	46.506
		15	1962.5	48.269
		30	1962.5	47.609
		60	1962.5	46.487
		15	1970.0	48.256
		30	1970.0	47.604
		60	1970.0	46.480
	60	30	1960.0	57.910
		60	1960.0	56.570
		30	1962.5	57.945
		60	1962.5	56.569
		30	1965.0	57.917
		60	1965.0	56.549

Table 15 Occupied Bandwidth 256QAM - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
QPSK	5	15	1932.5	4.4953
		30	1932.5	3.9683
		15	1962.5	4.4953
		30	1962.5	3.9676
		15	1992.5	4.4951
		30	1992.5	3.9677
	10	15	1935.0	9.3105
		30	1935.0	8.5966
		60	1935.0	7.9272
		15	1962.5	9.3119
		30	1962.5	8.5962
		60	1962.5	7.9282
		15	1990.0	9.3103
		30	1990.0	8.5964
		60	1990.0	7.9259
	15	15	1937.5	14.154
		30	1937.5	13.672
		60	1937.5	12.993
		15	1962.5	14.153
		30	1962.5	13.667
		60	1962.5	12.995
		15	1987.5	14.154
		30	1987.5	13.671
		60	1987.5	12.994
	20	15	1940.0	18.881
		30	1940.0	18.227
		60	1940.0	17.197
		15	1962.5	18.880
		30	1962.5	18.213
		60	1962.5	17.193
		15	1985.0	18.884
		30	1985.0	18.219
		60	1985.0	17.193
	25	15	1942.5	23.827
		30	1942.5	23.247
		60	1942.5	22.198
		15	1962.5	23.813
		30	1962.5	23.248
		60	1962.5	22.185
		15	1982.5	23.820
		30	1982.5	23.250
		60	1982.5	22.192

Table 16 Occupied Bandwidth QPSK - Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
QPSK	40	15	1950.0	38.677
		30	1950.0	37.856
		60	1950.0	36.504
		15	1962.5	38.667
		30	1962.5	37.869
		60	1962.5	36.486
		15	1975.0	38.682
		30	1975.0	37.858
		60	1975.0	36.478
	50	15	1955.0	48.258
		30	1955.0	47.598
		60	1955.0	46.455
		15	1962.5	48.247
		30	1962.5	47.599
		60	1962.5	46.446
		15	1970.0	48.242
		30	1970.0	47.590
		60	1970.0	46.443
	60	30	1960.0	57.879
		60	1960.0	56.599
		30	1962.5	57.886
		60	1962.5	56.596
		30	1965.0	57.859
		60	1965.0	56.596

Table 17 Occupied Bandwidth QPSK – Input

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
16QAM	5	15	1932.5	4.9483
		30	1932.5	3.9817
		15	1962.5	4.4048
		30	1962.5	3.9470
		15	1992.5	4.9616
		30	1992.5	3.9549
	10	15	1935.0	10.260
		30	1935.0	9.9153
		60	1935.0	7.9567
		15	1962.5	9.3711
		30	1962.5	8.5888
		60	1962.5	7.8975
		15	1990.0	9.8555
		30	1990.0	8.7535
		60	1990.0	7.8920
	15	15	1937.5	14.765
		30	1937.5	13.989
		60	1937.5	13.850
		15	1962.5	14.295
		30	1962.5	13.695
		60	1962.5	12.934
		15	1987.5	14.348
		30	1987.5	13.715
		60	1987.5	13.016
	20	15	1940.0	21.028
		30	1940.0	19.563
		60	1940.0	18.166
		15	1962.5	19.458
		30	1962.5	18.549
		60	1962.5	17.317
		15	1985.0	20.951
		30	1985.0	18.674
		60	1985.0	17.554
	25	15	1942.5	24.050
		30	1942.5	23.603
		60	1942.5	22.514
		15	1962.5	24.686
		30	1962.5	22.594
		60	1962.5	22.471
		15	1982.5	24.506
		30	1982.5	24.356
		60	1982.5	22.700

Table 99 Occupied Bandwidth 16QAM - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
16QAM	40	15	1950.0	39.091
		30	1950.0	38.260
		60	1950.0	36.702
		15	1962.5	39.400
		30	1962.5	39.035
		60	1962.5	36.856
		15	1975.0	39.509
		30	1975.0	38.587
		60	1975.0	36.733
	50	15	1955.0	48.648
		30	1955.0	47.903
		60	1955.0	46.922
		15	1962.5	49.135
		30	1962.5	48.538
		60	1962.5	47.202
		15	1970.0	49.090
		30	1970.0	48.676
		60	1970.0	47.141
	60	30	1960.0	58.181
		60	1960.0	56.937
		30	1962.5	58.233
		60	1962.5	57.011
		30	1965.0	58.418
		60	1965.0	57.055

Table 18 Occupied Bandwidth 16QAM - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
64QAM	5	15	1932.5	4.4940
		30	1932.5	3.9441
		15	1962.5	4.4980
		30	1962.5	3.9459
		15	1992.5	4.4935
		30	1992.5	3.9452
	10	15	1935.0	9.2519
		30	1935.0	8.5942
		60	1935.0	7.8592
		15	1962.5	9.2999
		30	1962.5	8.5980
		60	1962.5	7.8942
		15	1990.0	9.2954
		30	1990.0	8.5905
		60	1990.0	7.8823
	15	15	1937.5	14.095
		30	1937.5	13.533
		60	1937.5	12.842
		15	1962.5	14.149
		30	1962.5	13.600
		60	1962.5	12.916
		15	1987.5	14.102
		30	1987.5	13.596
		60	1987.5	12.876
	20	15	1940.0	18.867
		30	1940.0	18.154
		60	1940.0	17.116
		15	1962.5	18.998
		30	1962.5	18.258
		60	1962.5	17.206
		15	1985.0	18.937
		30	1985.0	18.208
		60	1985.0	17.174
	25	15	1942.5	23.669
		30	1942.5	23.148
		60	1942.5	22.065
		15	1962.5	23.797
		30	1962.5	23.298
		60	1962.5	22.216
		15	1982.5	9.2954
		30	1982.5	8.5905
		60	1982.5	7.8823

Table 19 Occupied Bandwidth – 64QAM - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
64QAM	40	15	1950.0	38.548
		30	1950.0	37.826
		60	1950.0	36.379
		15	1962.5	38.798
		30	1962.5	38.046
		60	1962.5	36.596
		15	1975.0	38.716
		30	1975.0	37.937
		60	1975.0	36.439
	50	15	1955.0	48.342
		30	1955.0	47.523
		60	1955.0	46.553
		15	1962.5	48.567
		30	1962.5	47.779
		60	1962.5	46.738
		15	1970.0	48.475
		30	1970.0	47.722
		60	1970.0	46.637
	60	30	1960.0	58.060
		60	1960.0	56.613
		30	1962.5	58.143
		60	1962.5	56.682
		30	1965.0	58.223
		60	1965.0	56.725

Table 20 Occupied Bandwidth 64QAM - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
256QAM	5	15	1932.5	4.4995
		30	1932.5	3.9495
		15	1962.5	4.4987
		30	1962.5	3.9429
		15	1992.5	4.5032
		30	1992.5	3.9451
	10	15	1935.0	9.2731
		30	1935.0	8.5809
		60	1935.0	7.8737
		15	1962.5	9.3064
		30	1962.5	8.5993
		60	1962.5	7.8721
		15	1990.0	9.2946
		30	1990.0	8.5950
		60	1990.0	7.8840
	15	15	1937.5	14.090
		30	1937.5	13.556
		60	1937.5	12.881
		15	1962.5	14.155
		30	1962.5	13.622
		60	1962.5	12.932
		15	1987.5	14.117
		30	1987.5	13.607
		60	1987.5	12.932
	20	15	1940.0	18.843
		30	1940.0	18.214
		60	1940.0	17.098
		15	1962.5	18.971
		30	1962.5	18.277
		60	1962.5	17.220
		15	1985.0	18.971
		30	1985.0	18.277
		60	1985.0	17.220
	25	15	1942.5	23.718
		30	1942.5	23.159
		60	1942.5	22.073
		15	1962.5	23.856
		30	1962.5	23.317
		60	1962.5	22.211
		15	1982.5	23.765
		30	1982.5	23.244
		60	1982.5	22.156

Table 21 Occupied Bandwidth 256QAM - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
256QAM	40	15	1950.0	38.534
		30	1950.0	37.766
		60	1950.0	36.466
		15	1962.5	38.796
		30	1962.5	38.042
		60	1962.5	36.628
		15	1975.0	38.621
		30	1975.0	37.871
		60	1975.0	36.524
	50	15	1955.0	48.229
		30	1955.0	47.584
		60	1955.0	46.479
		15	1962.5	48.497
		30	1962.5	47.760
		60	1962.5	46.735
		15	1970.0	48.420
		30	1970.0	47.702
		60	1970.0	46.654
	60	30	1960.0	57.972
		60	1960.0	56.669
		30	1962.5	58.080
		60	1962.5	56.732
		30	1965.0	58.115
		60	1965.0	56.716

Table 22 Occupied Bandwidth 256QAM - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
QPSK	5	15	1932.5	4.5177
		30	1932.5	3.9808
		15	1962.5	4.4949
		30	1962.5	3.9695
		15	1992.5	4.4990
		30	1992.5	3.9629
	10	15	1935.0	9.2978
		30	1935.0	8.5999
		60	1935.0	7.9333
		15	1962.5	9.3174
		30	1962.5	8.6158
		60	1962.5	7.9343
		15	1990.0	9.3158
		30	1990.0	8.6322
		60	1990.0	7.9390
	15	15	1937.5	14.106
		30	1937.5	13.655
		60	1937.5	12.957
		15	1962.5	14.131
		30	1962.5	13.696
		60	1962.5	12.997
		15	1987.5	14.128
		30	1987.5	13.688
		60	1987.5	13.008
	20	15	1940.0	18.835
		30	1940.0	18.144
		60	1940.0	17.176
		15	1962.5	18.972
		30	1962.5	18.220
		60	1962.5	17.235
		15	1985.0	18.914
		30	1985.0	18.196
		60	1985.0	17.197
	25	15	1942.5	23.736
		30	1942.5	23.171
		60	1942.5	22.098
		15	1962.5	23.873
		30	1962.5	23.314
		60	1962.5	22.238
		15	1982.5	23.794
		30	1982.5	23.252
		60	1982.5	22.201

Table 23 Occupied Bandwidth QPSK - Output

Modulation	Bandwidth (MHz)	Sub Carrier (kHz)	Operation Frequency (MHz)	Reading (MHz)
QPSK	40	15	1950.0	38.523
		30	1950.0	37.762
		60	1950.0	36.389
		15	1962.5	38.739
		30	1962.5	38.028
		60	1962.5	36.598
		15	1975.0	38.642
		30	1975.0	37.832
		60	1975.0	36.431
	50	15	1955.0	48.270
		30	1955.0	47.622
		60	1955.0	46.525
		15	1962.5	48.513
		30	1962.5	47.876
		60	1962.5	46.753
		15	1970.0	48.421
		30	1970.0	47.741
		60	1970.0	46.613
	60	30	1960.0	57.969
		60	1960.0	56.583
		30	1962.5	58.078
		60	1962.5	56.678
		30	1965.0	58.085
		60	1965.0	56.709

Table 24 Occupied Bandwidth QPSK - Output



INPUT

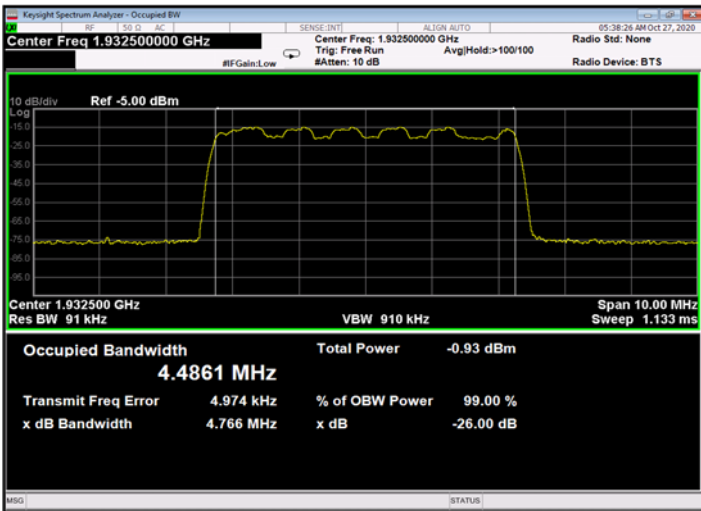


Figure 273: 16QAM 5MHz B.W.; 1932.5MHz, 15kHz - Input

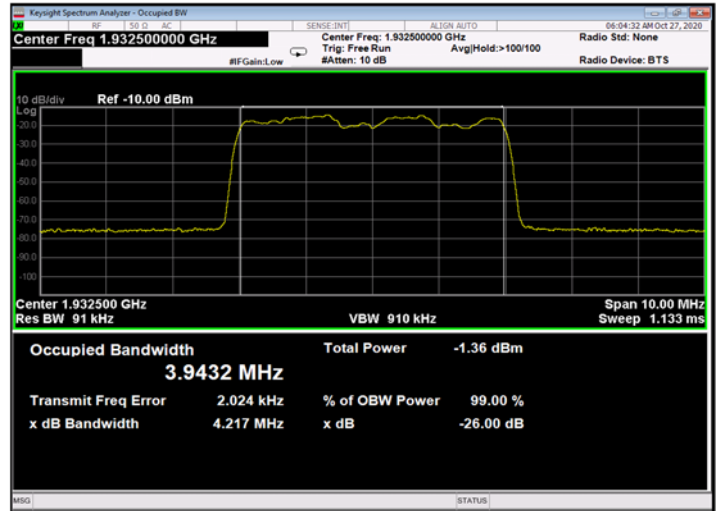


Figure 274: 16QAM 5MHz B.W.; 1932.5MHz, 30kHz - Input

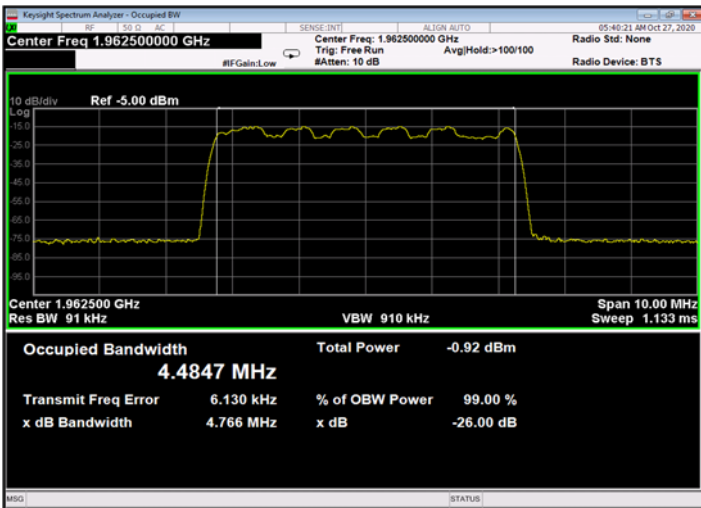


Figure 275: 16QAM 5MHz B.W.; 1962.5MHz, 15kHz - Input

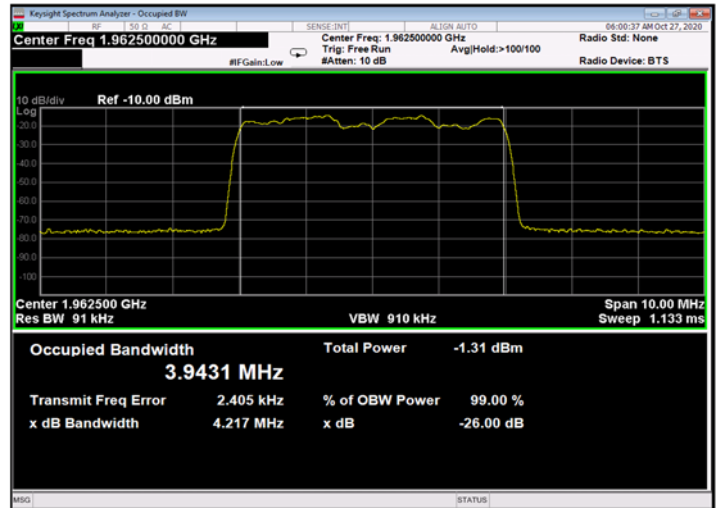


Figure 276: 16QAM 5MHz B.W.; 1962.5MHz, 30kHz - Input

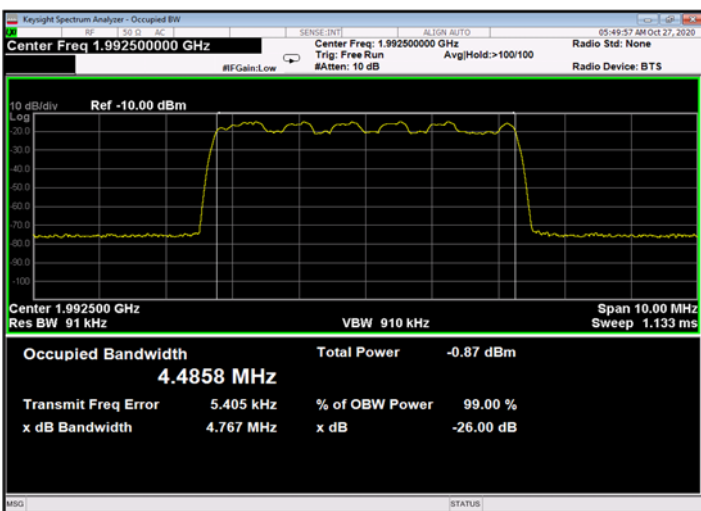


Figure 277: 16QAM 5MHz B.W.; 1992.5MHz, 15kHz - Input

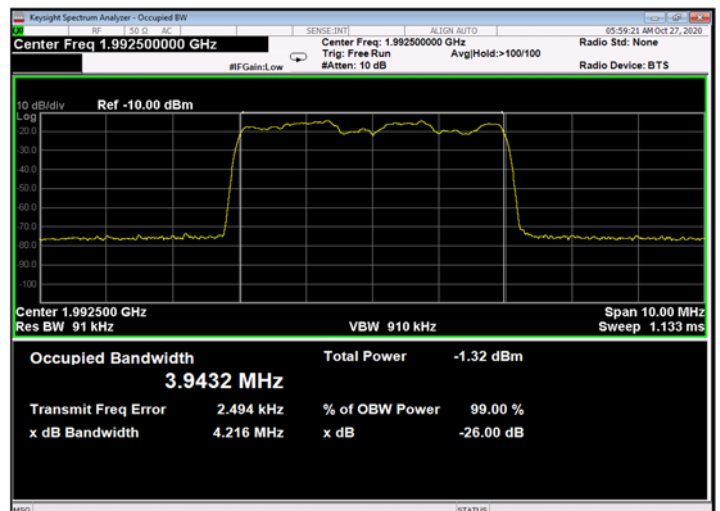


Figure 278: 16QAM 5MHz C.S.; 1992.5MHz, 30kHz - Input

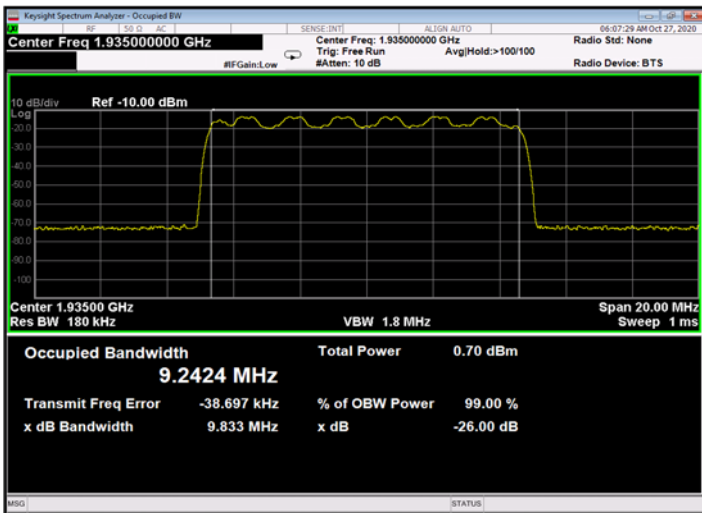


Figure 279: 16QAM 10MHz B.W.; 1935.00MHz, 15kHz - Input

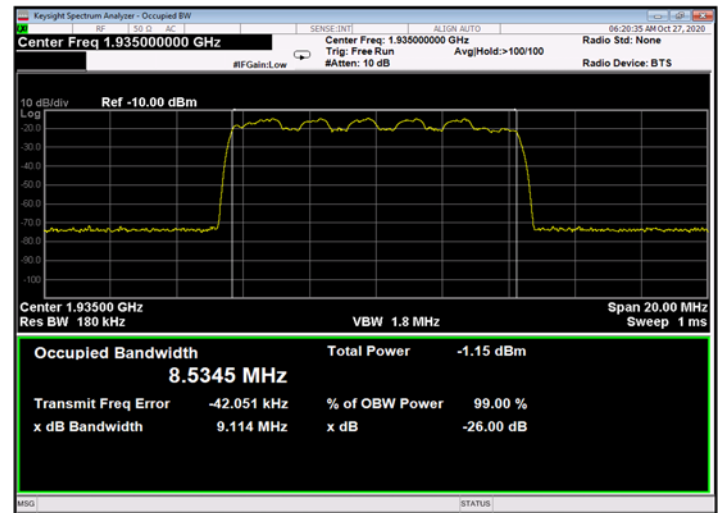


Figure 280: 16QAM 10MHz B.W.; 1935.0MHz, 30kHz - Input

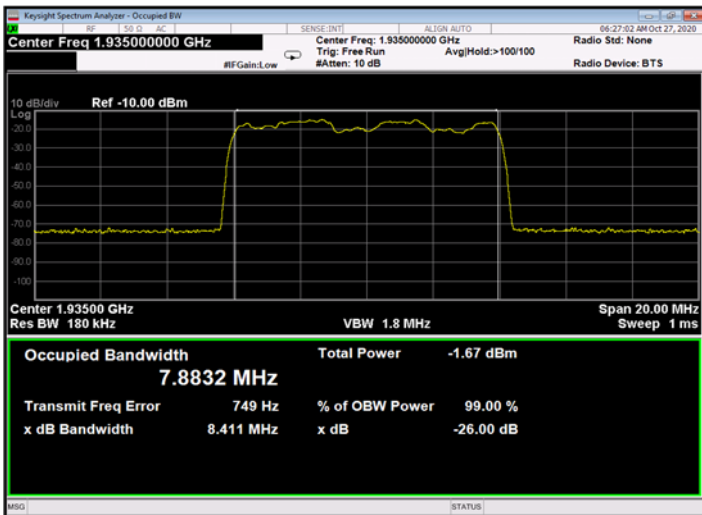


Figure 281: 16QAM 10MHz B.W.; 1935.0MHz, 60kHz - Input

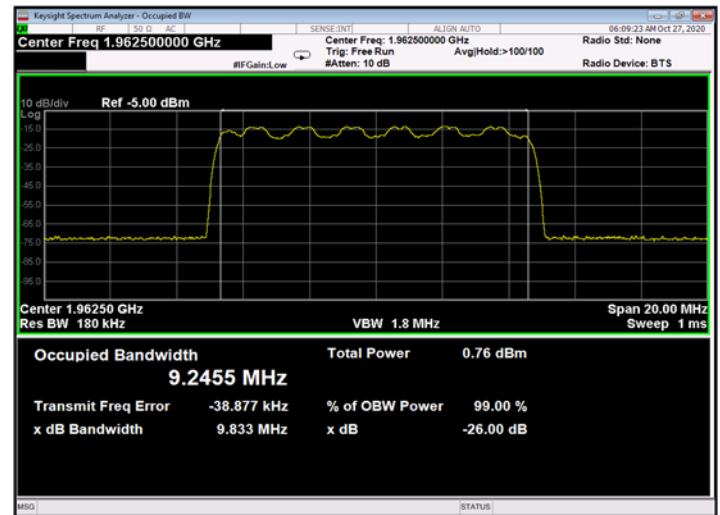


Figure 282: 16QAM 10MHz B.W.; 1962.5MHz, 15kHz - Input

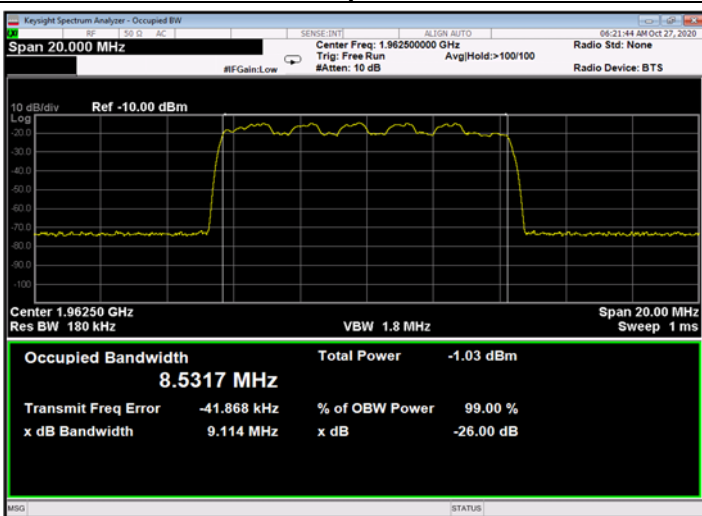


Figure 283: 16QAM 10MHz B.W.; 1962.5MHz, 30kHz - Input

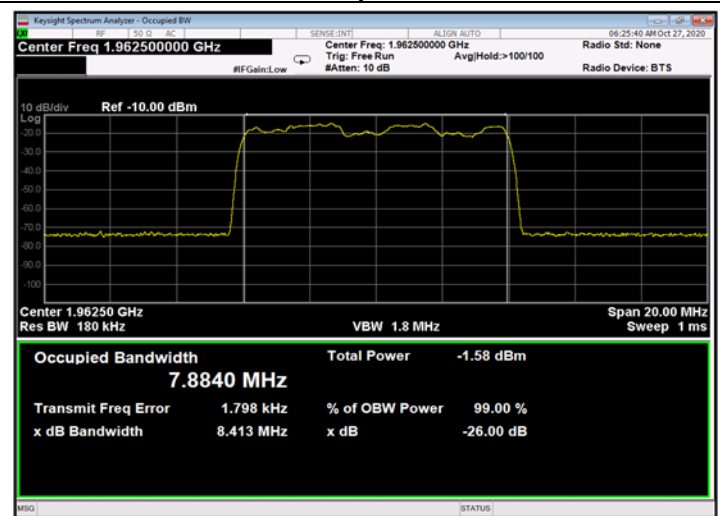


Figure 284: 16QAM 10MHz B.W.; 1962.5MHz, 60kHz - Input

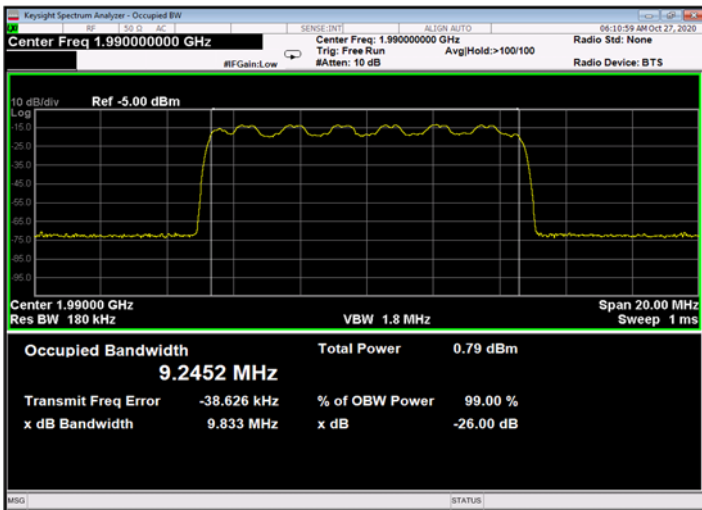


Figure 285: 16QAM 10MHz B.W.; 1990.0MHz, 15kHz - Input

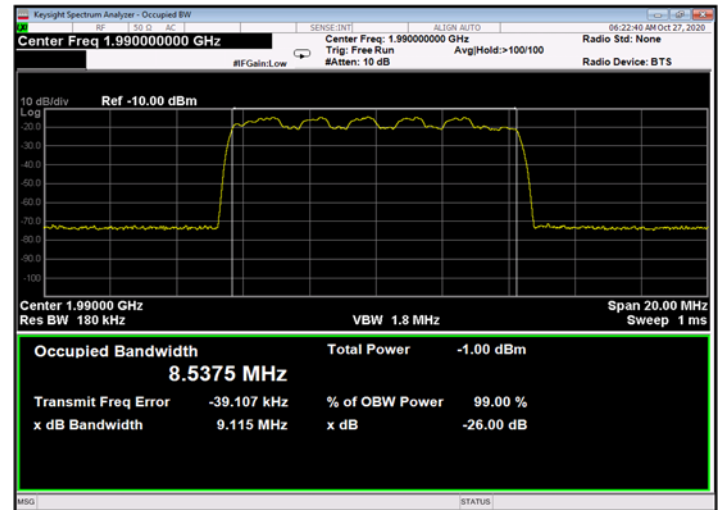


Figure 286: 16QAM 10MHz B.W.; 1990.0MHz, 30kHz - Input

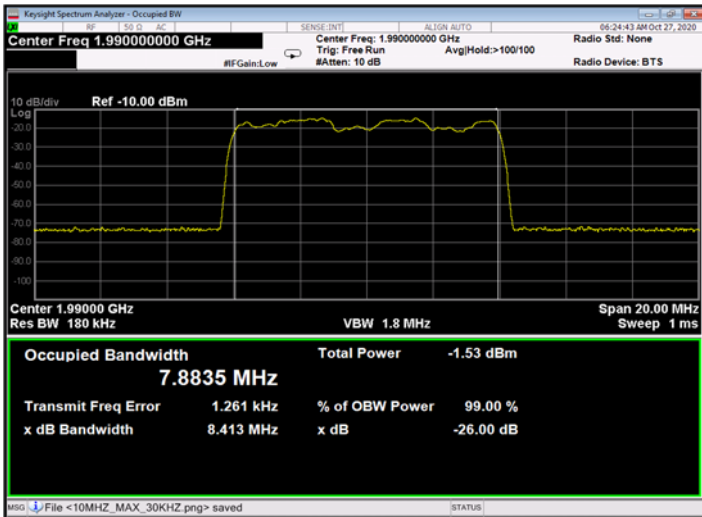


Figure 287: 16QAM 10MHz B.W.; 1990.0MHz, 60kHz - Input

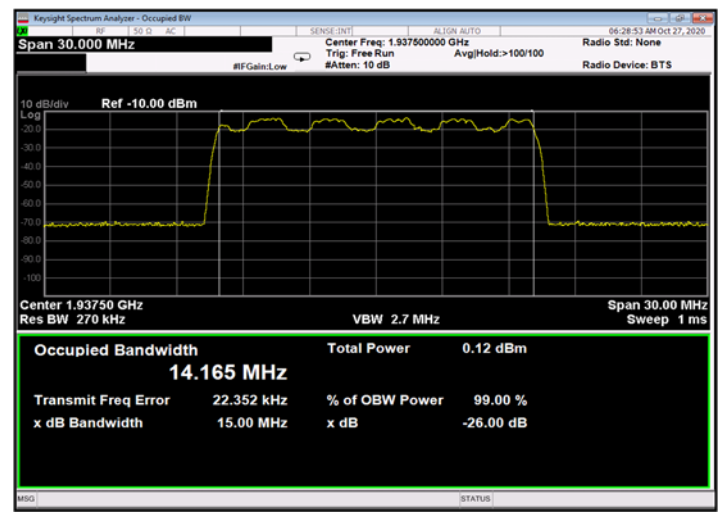


Figure 288: 16QAM 15MHz B.W.; 1937.5MHz, 15kHz - Input

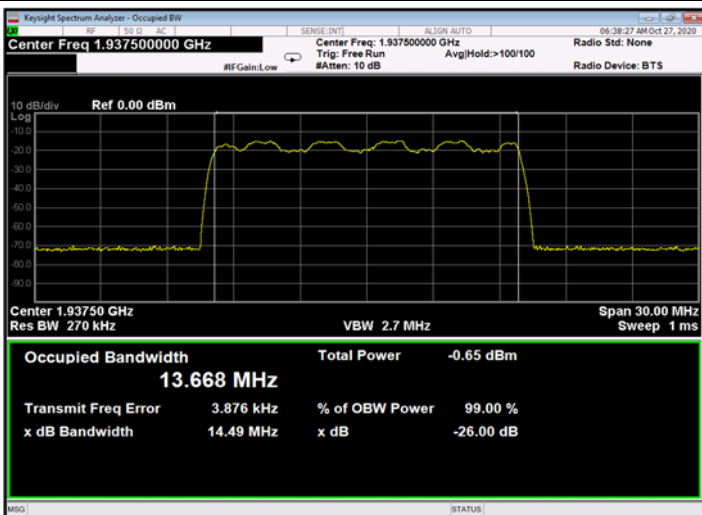


Figure 289: 16QAM 15MHz B.W.; 1937.5MHz, 30kHz - Input

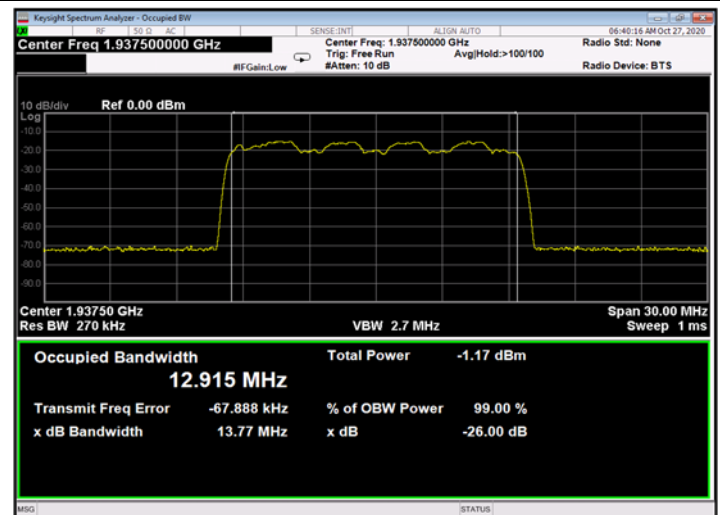


Figure 290: 16QAM 10MHz B.W.; 1937.5MHz, 60kHz - Input

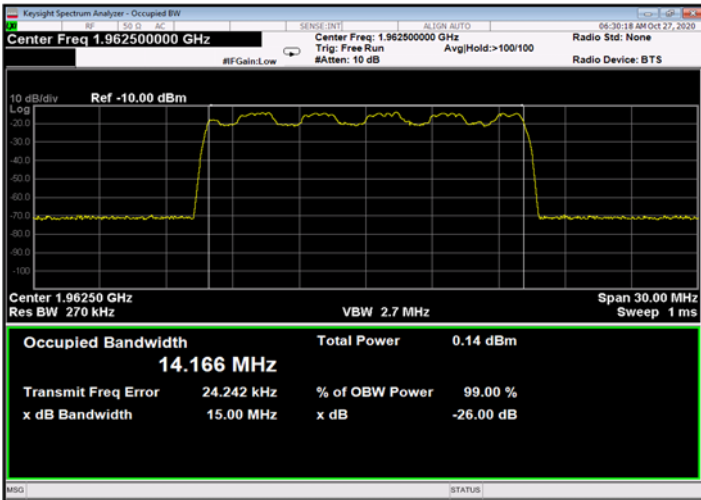


Figure 291: 16QAM 15MHz B.W.; 1962.5MHz, 15kHz - Input

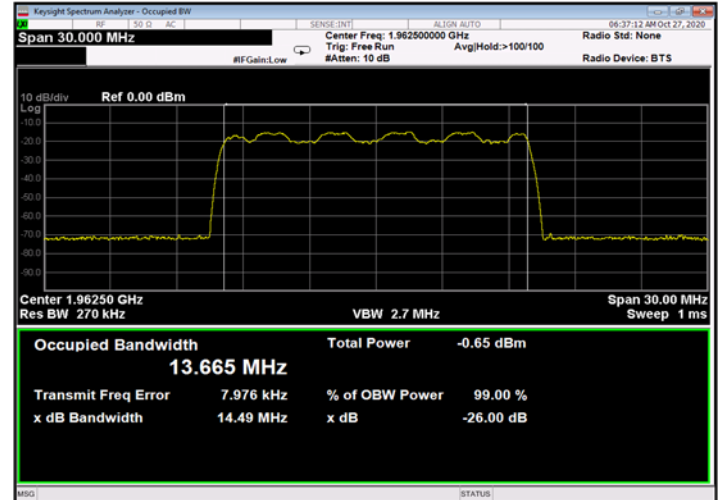


Figure 292: 16QAM 15MHz B.W.; 1962.5MHz, 30kHz - Input

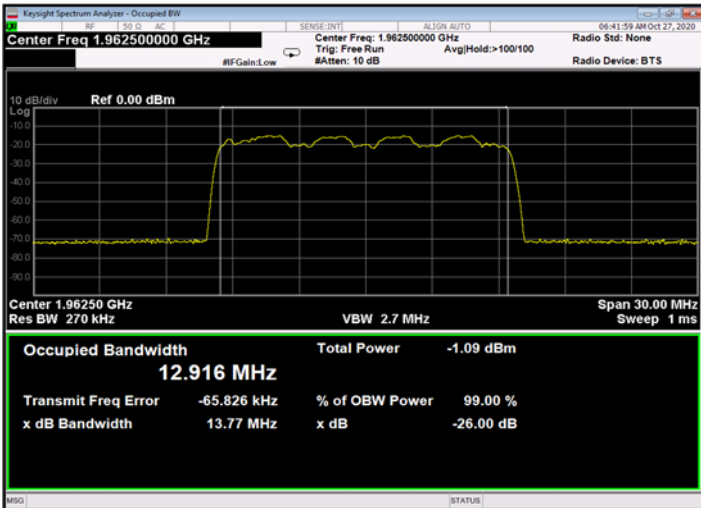


Figure 293: 16QAM 15MHz B.W.; 1962.5MHz, 60kHz - Input

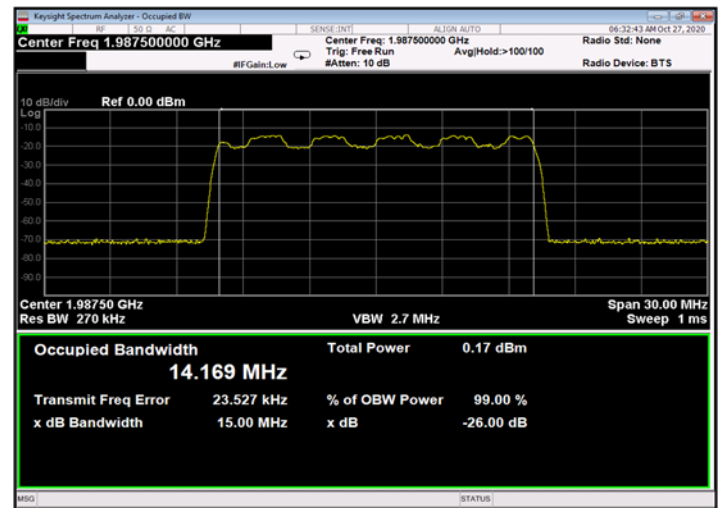


Figure 294: 16QAM 15MHz B.W.; 1987.5MHz, 15kHz - Input

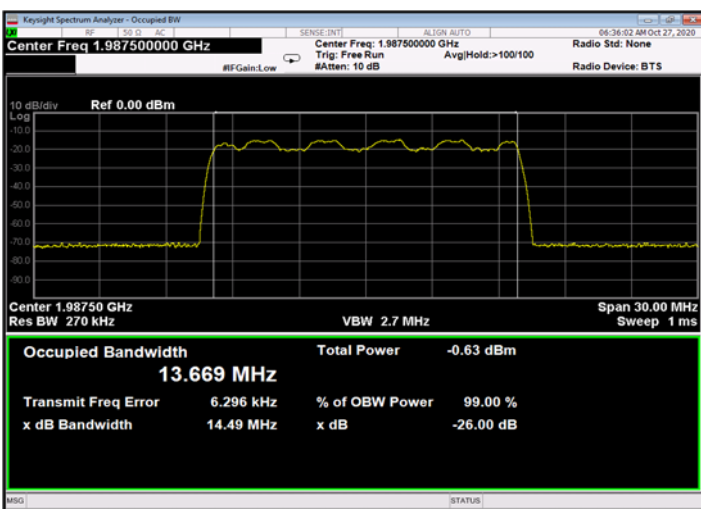


Figure 295: 16QAM 15MHz B.W.; 1987.5MHz, 30kHz - Input

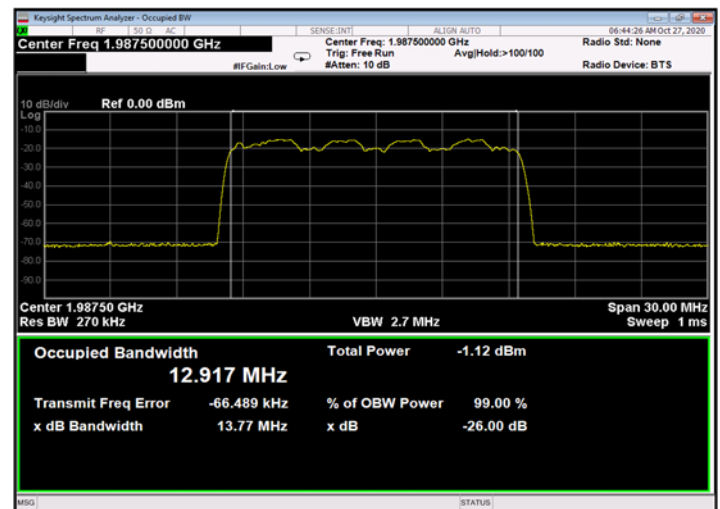


Figure 296: 16QAM 15MHz B.W.; 1987.5MHz, 60kHz - Input

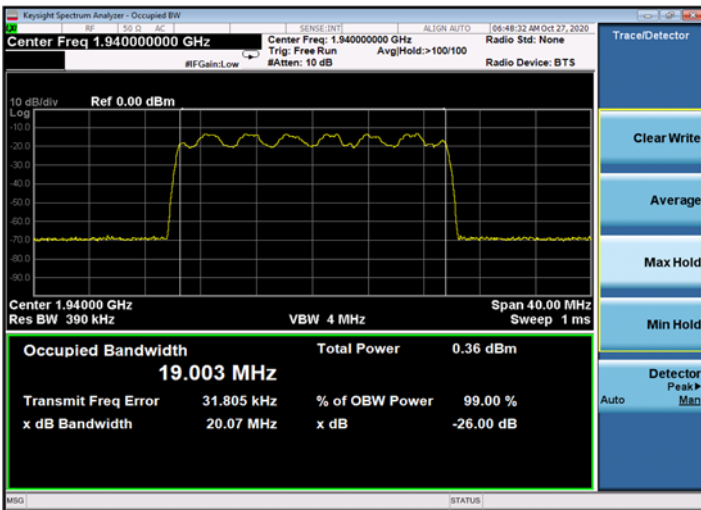


Figure 297: 16QAM 20MHz B.W.; 1940.0MHz, 15kHz - Input

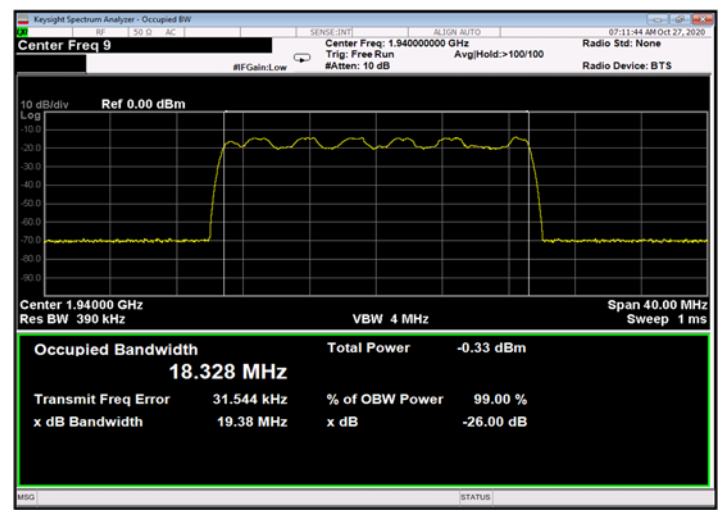


Figure 298: 16QAM 20MHz B.W.; 1940.0MHz, 30kHz - Input

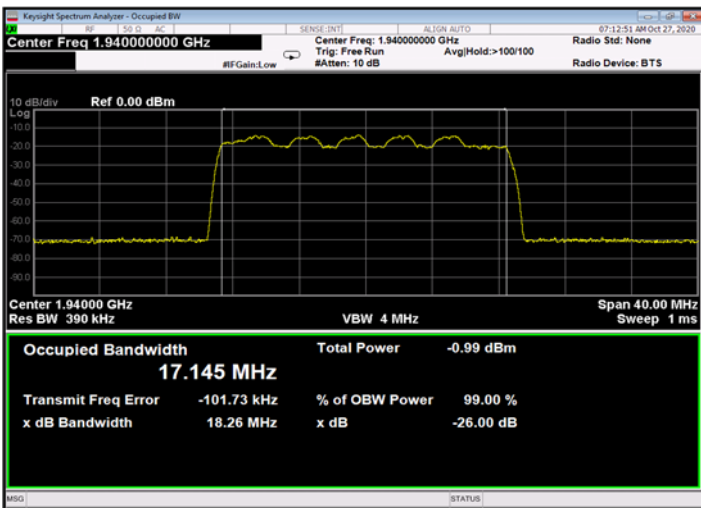


Figure 299: 16QAM 20MHz B.W.; 1940.0MHz, 60kHz - Input

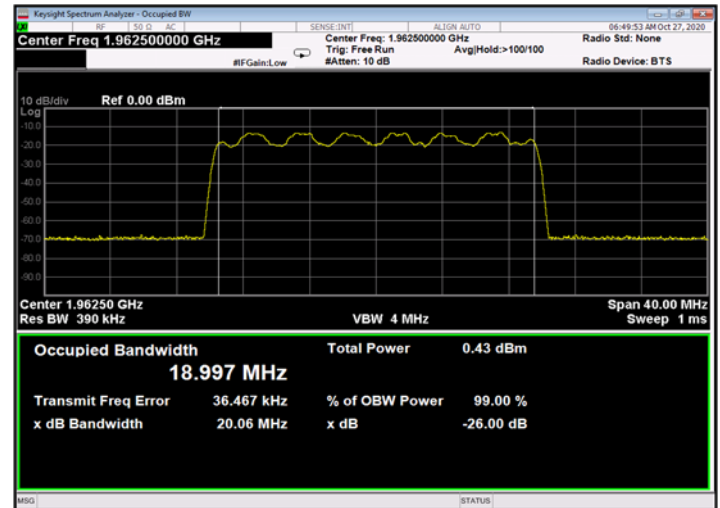


Figure 300: 16QAM 20MHz B.W.; 1962.5MHz, 15kHz - Input

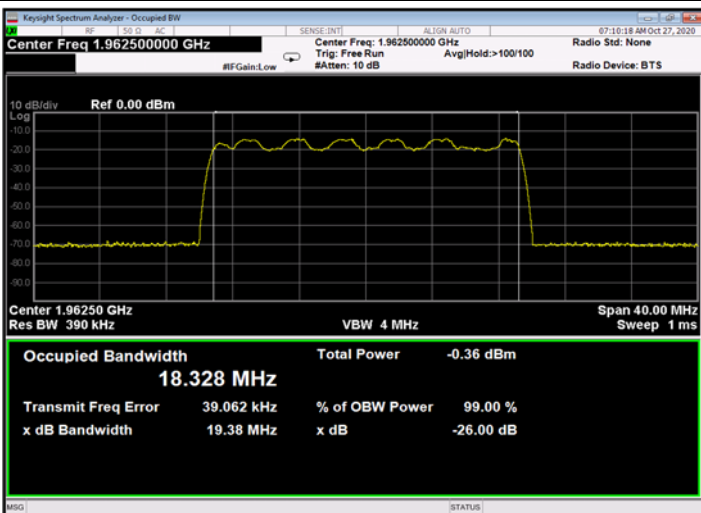


Figure 301: 16QAM 20MHz B.W.; 1962.5MHz, 30kHz - Input

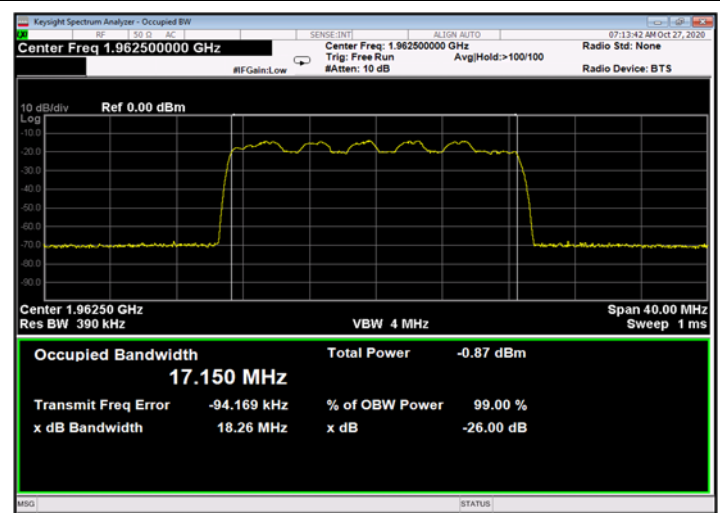


Figure 302: 16QAM 20MHz B.W.; 1962.5MHz, 60kHz - Input

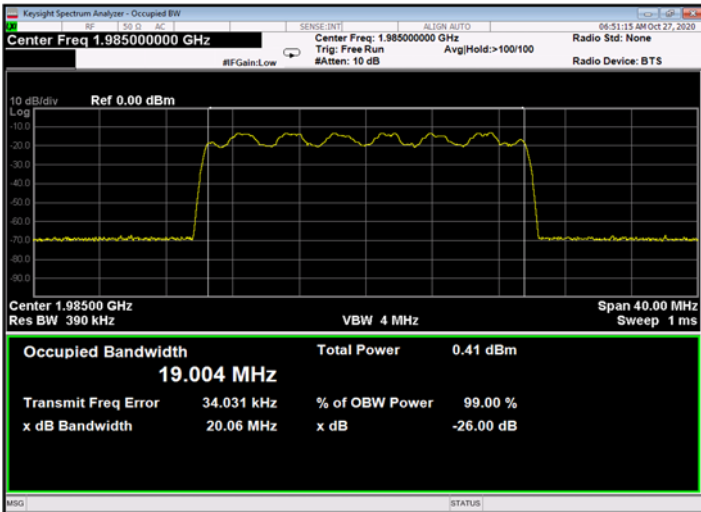


Figure 303: 16QAM 20MHz B.W.; 1985.0MHz, 15kHz - Input

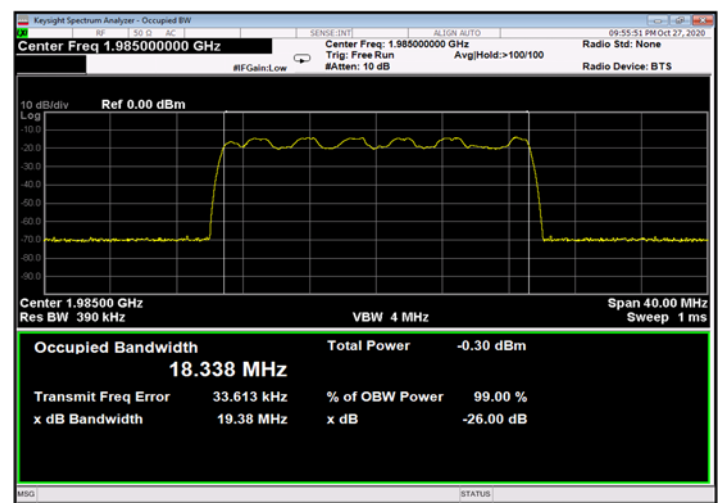


Figure 304: 16QAM 20MHz B.W.; 1985.0MHz, 30kHz - Input

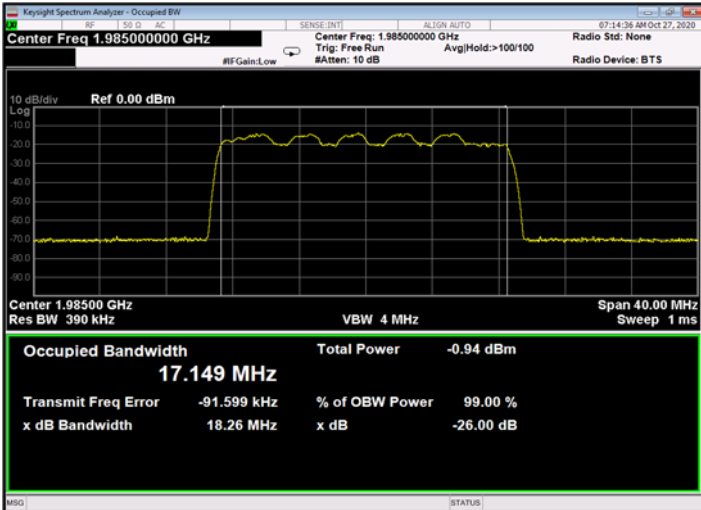


Figure 305: 16QAM 20MHz B.W.; 1985.0MHz, 60kHz - Input

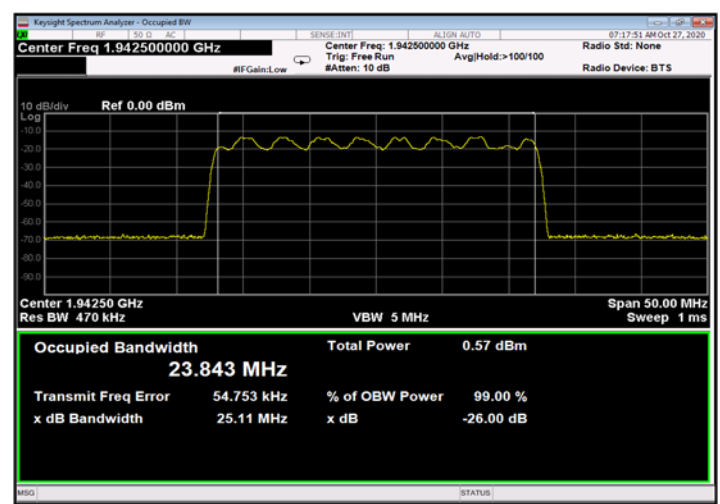


Figure 306: 16QAM 25MHz B.W.; 1942.5MHz, 15kHz - Input

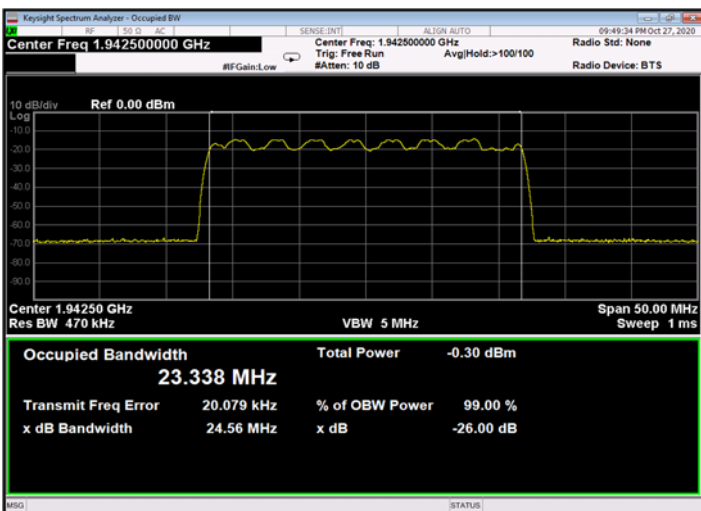


Figure 307: 16QAM 25MHz B.W.; 1942.5MHz, 30kHz - Input

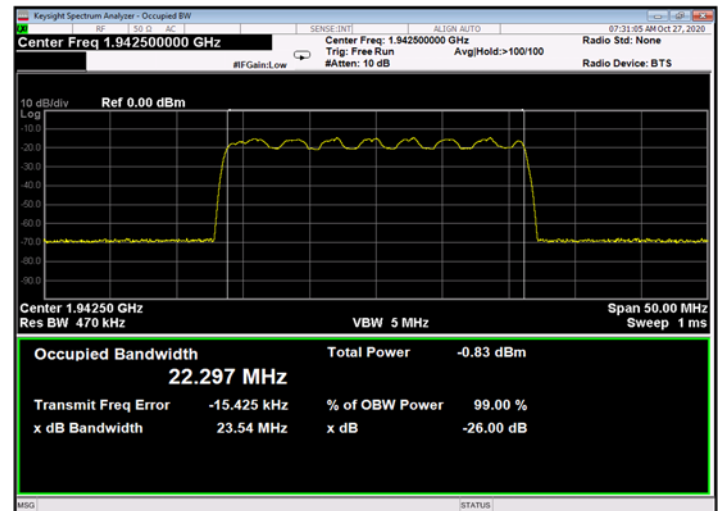


Figure 308: 16QAM 25MHz B.W.; 1942.5MHz, 60kHz - Input

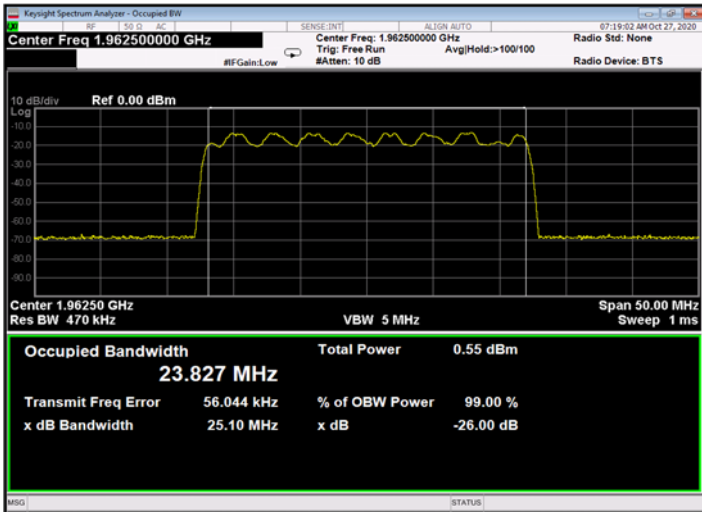


Figure 309: 16QAM 25MHz B.W.; 1962.5MHz, 15kHz - Input

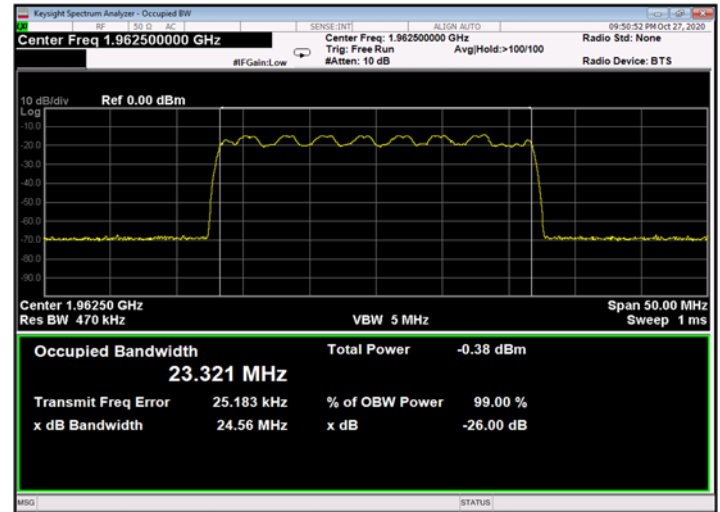


Figure 310: 16QAM 25MHz B.W.; 1962.5MHz, 30kHz - Input

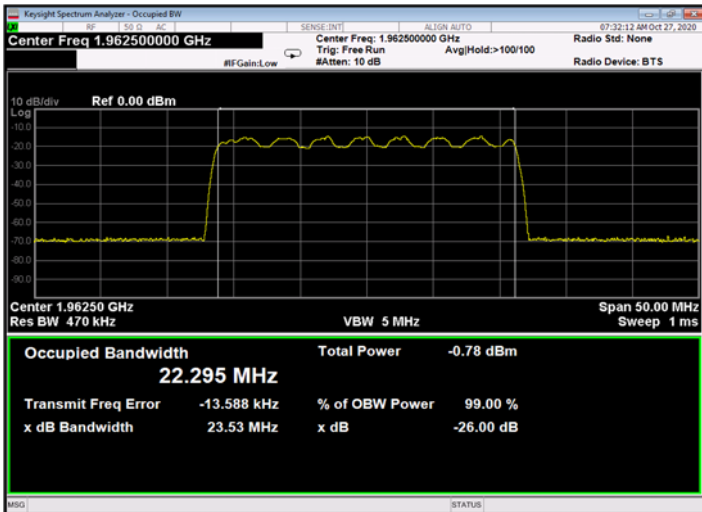


Figure 311: 16QAM 25MHz B.W.; 1962.5MHz, 60kHz - Input

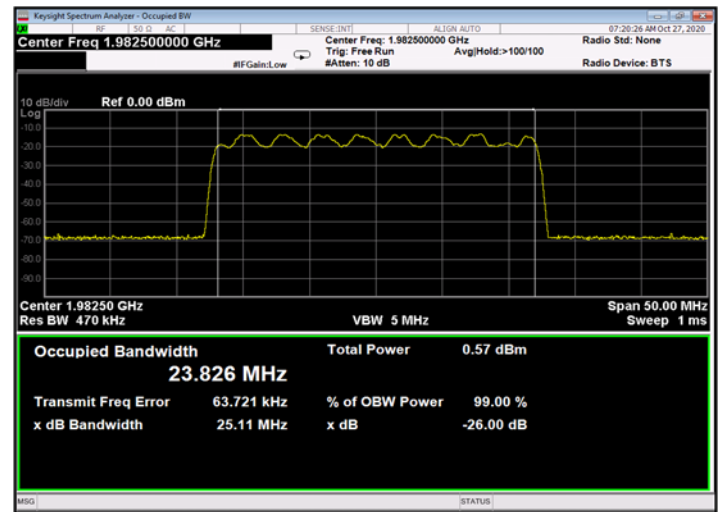


Figure 312: 16QAM 25MHz B.W.; 1982.5MHz, 15kHz - Input

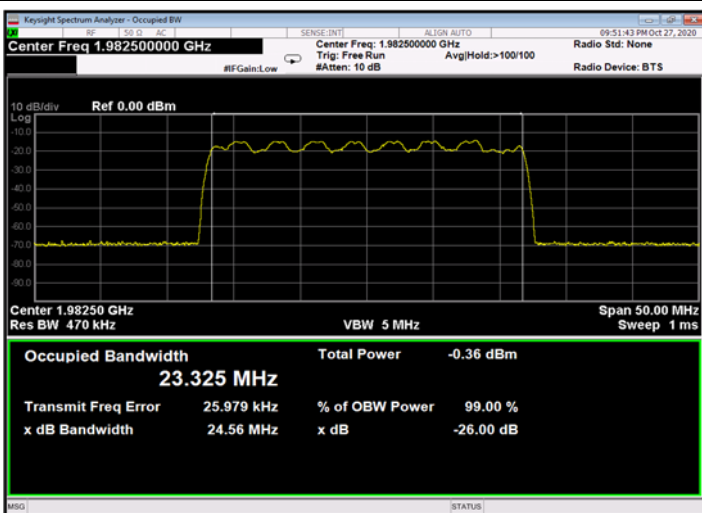


Figure 313: 16QAM 25MHz B.W.; 1982.5MHz, 30kHz - Input

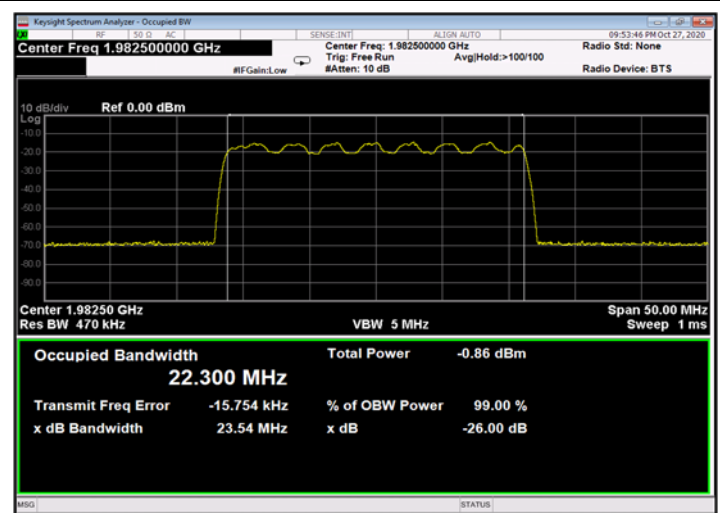


Figure 314: 16QAM 25MHz B.W.; 1982.5MHz, 60kHz - Input

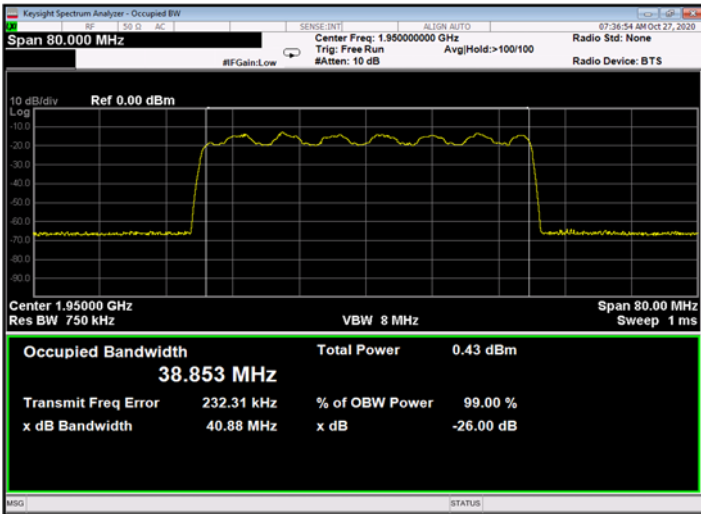


Figure 315: 16QAM 40MHz B.W.; 1950.0MHz, 15kHz - Input

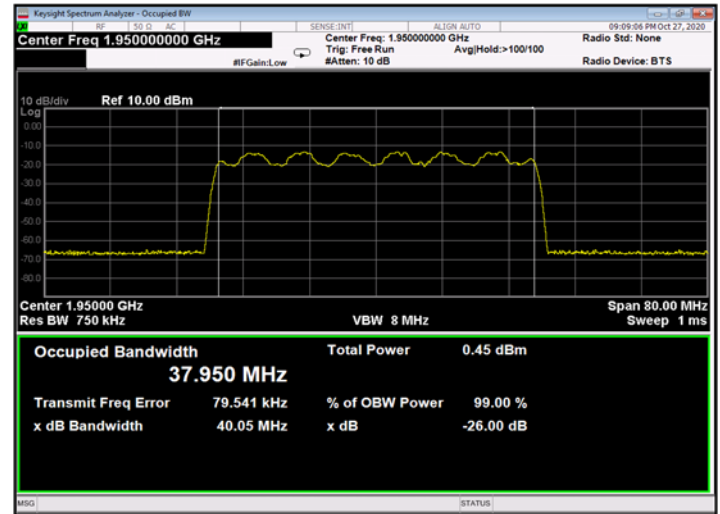


Figure 316: 16QAM 40MHz B.W.; 1950.0MHz, 30kHz - Input

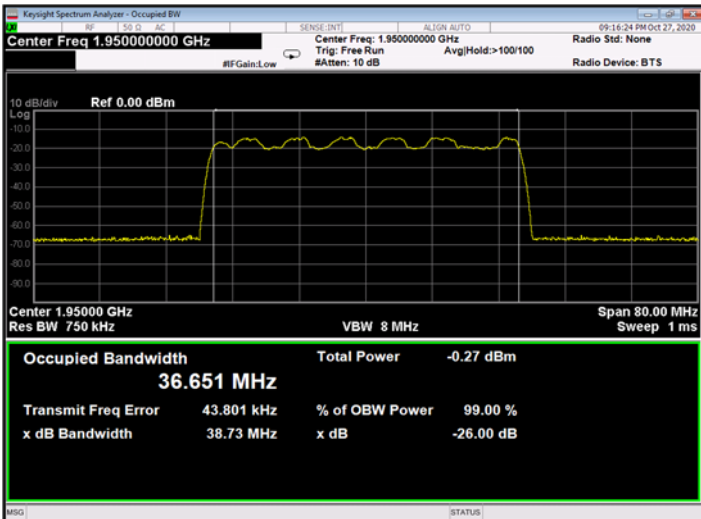


Figure 317: 16QAM 40MHz B.W.; 1950.0MHz, 60kHz - Input

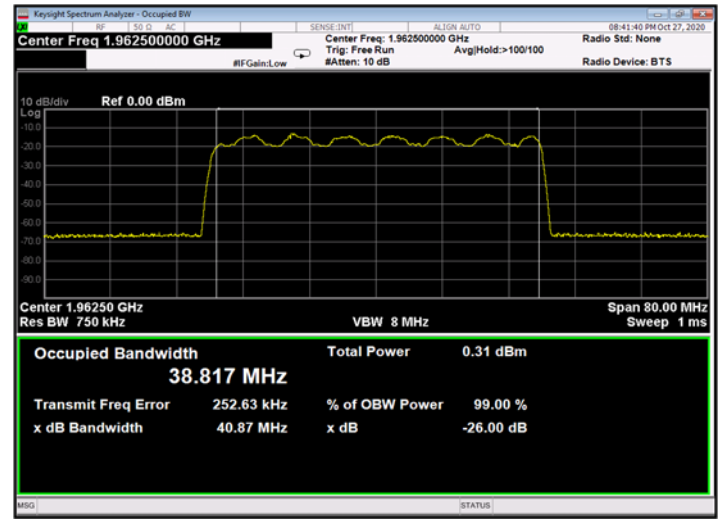


Figure 318: 16QAM 40MHz B.W.; 1962.5MHz, 15kHz - Input

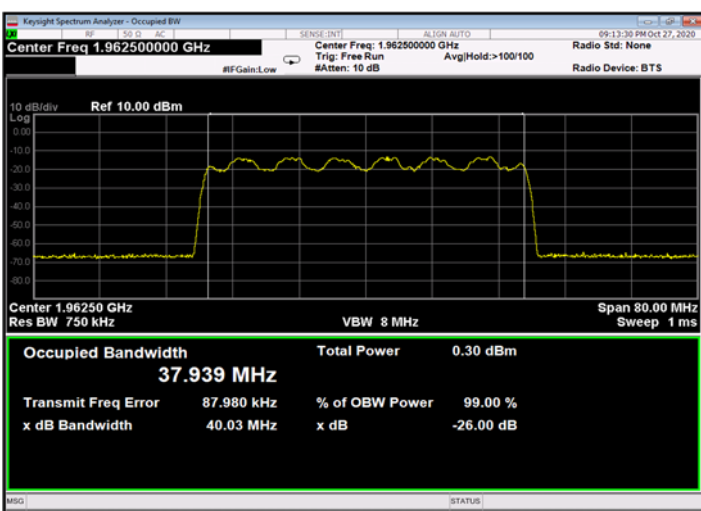


Figure 319: 16QAM 40MHz B.W.; 1962.5MHz, 30kHz - Input

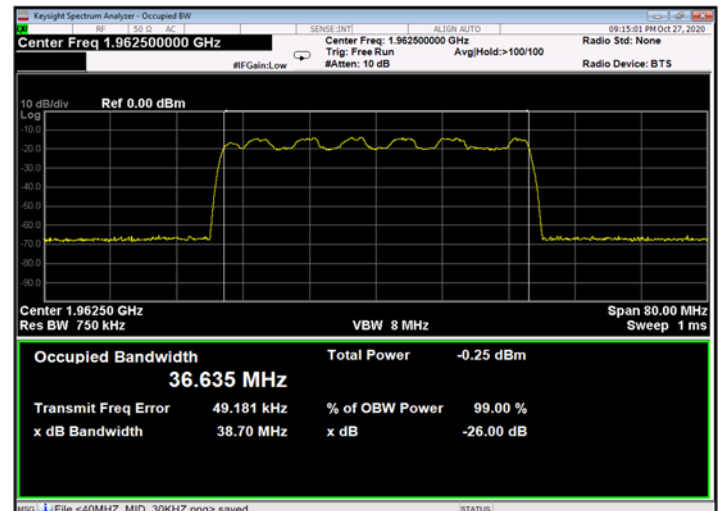


Figure 320: 16QAM 40MHz B.W.; 1962.5MHz, 60kHz - Input

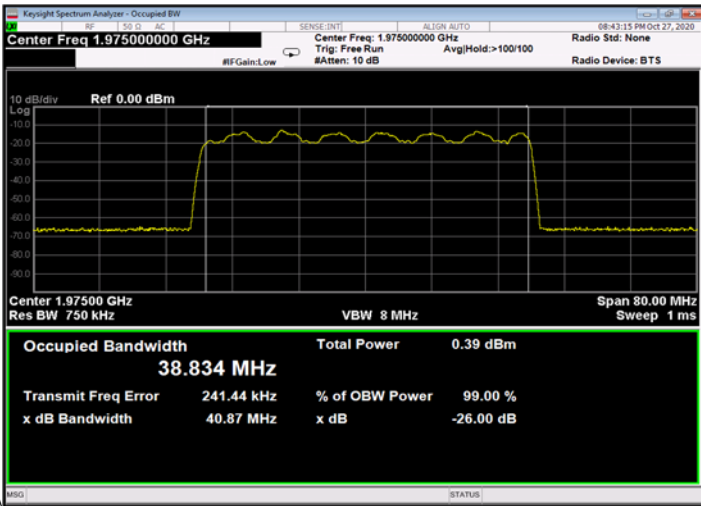


Figure 321: 16QAM 40MHz B.W.; 1975.0MHz, 15kHz - Input

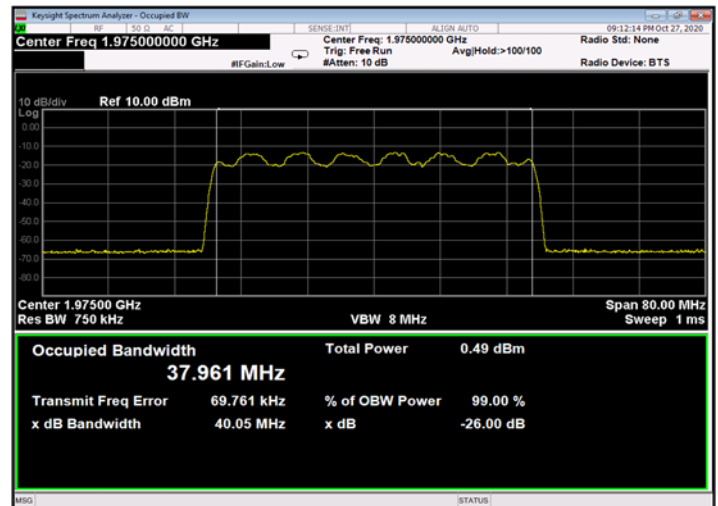


Figure 322: 16QAM 40MHz B.W.; 1975.0MHz, 30kHz - Input

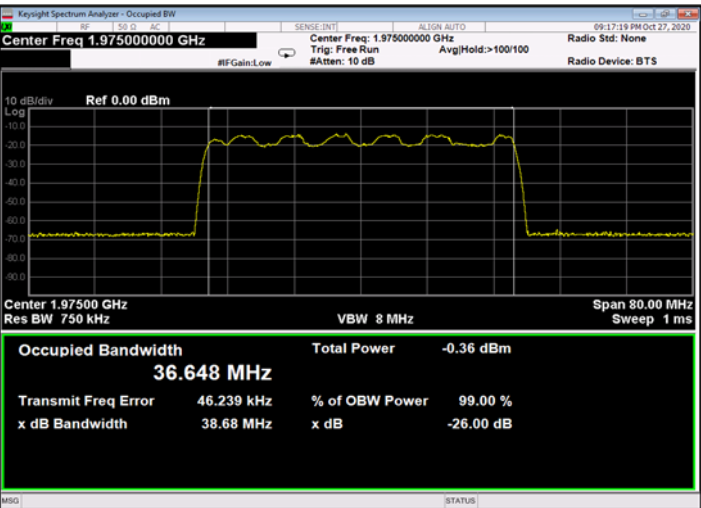


Figure 323: 16QAM 40MHz B.W.; 1975.0MHz, 60kHz - Input

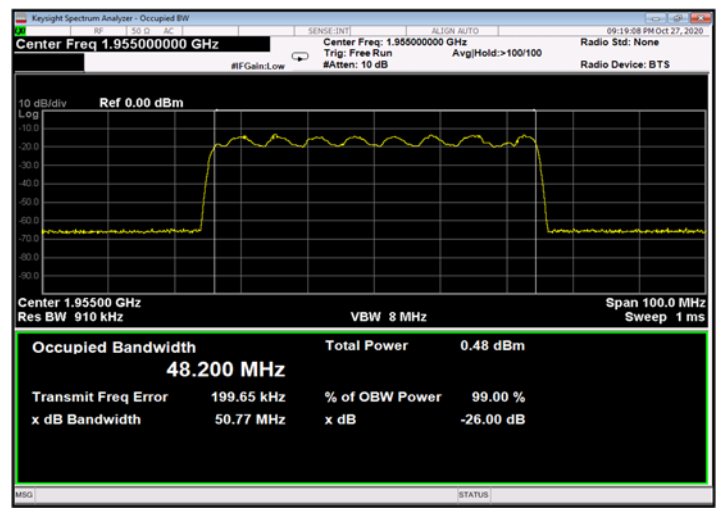


Figure 324: 16QAM 50MHz B.W.; 1955.0MHz, 15kHz - Input

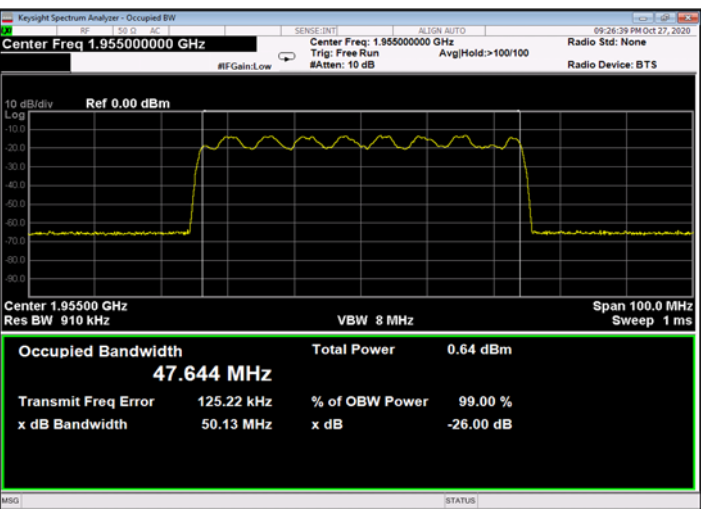


Figure 325: 16QAM 50MHz B.W.; 1955.0MHz, 30kHz - Input

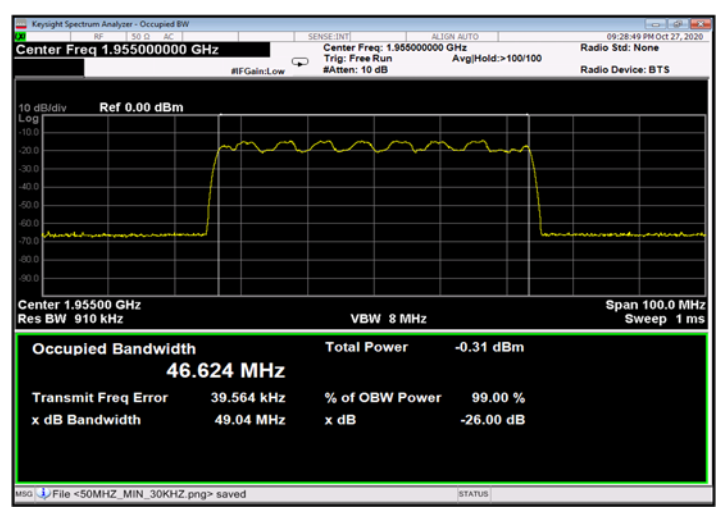


Figure 326: 16QAM 50MHz B.W.; 1955.0MHz, 60kHz - Input

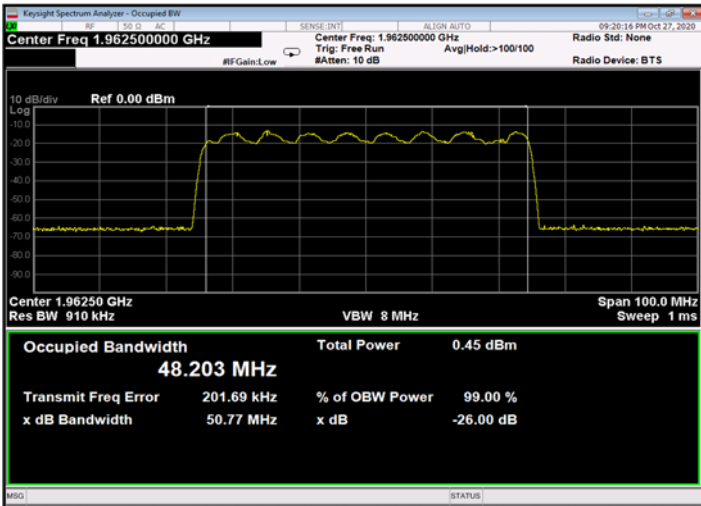


Figure 327: 16QAM 50MHz B.W.; 1962.5MHz, 15kHz - Input

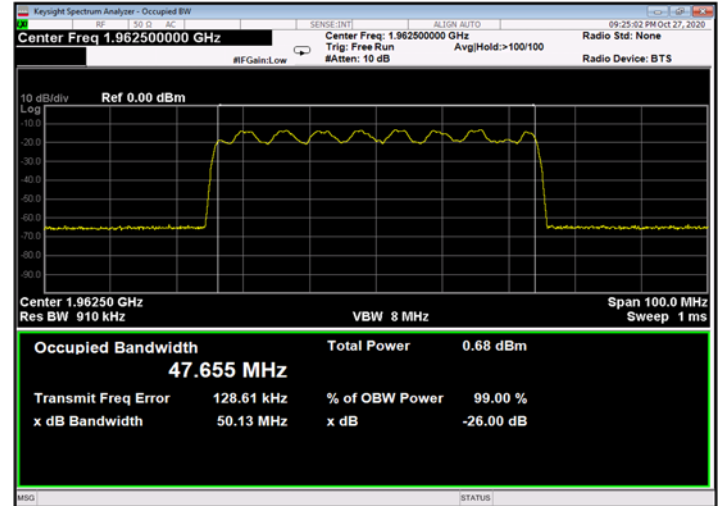


Figure 328: 16QAM 50MHz B.W.; 1962.5MHz, 30kHz - Input

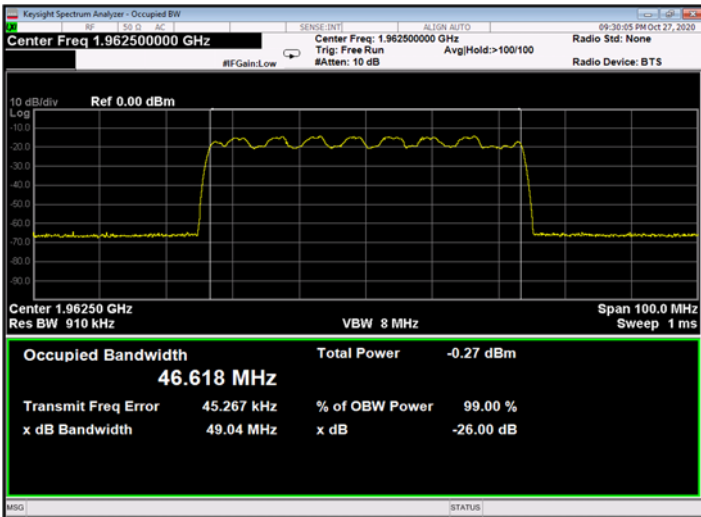


Figure 329: 16QAM 50MHz B.W.; 1962.5MHz, 60kHz - Input

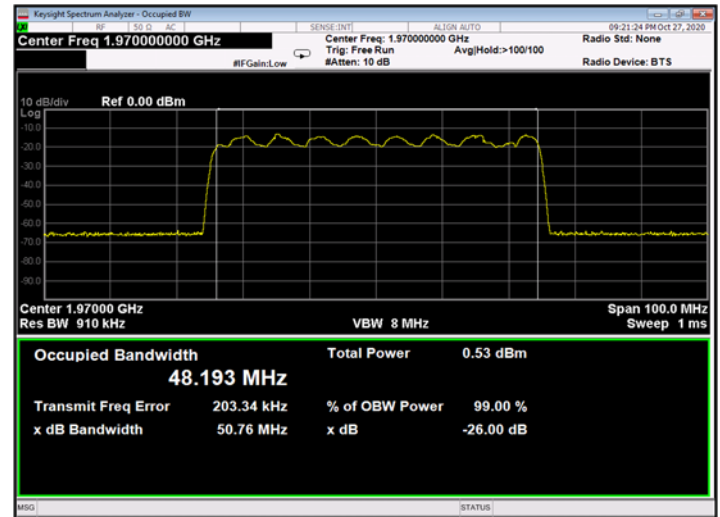


Figure 330: 16QAM 50MHz B.W.; 1970.0MHz, 15kHz - Input

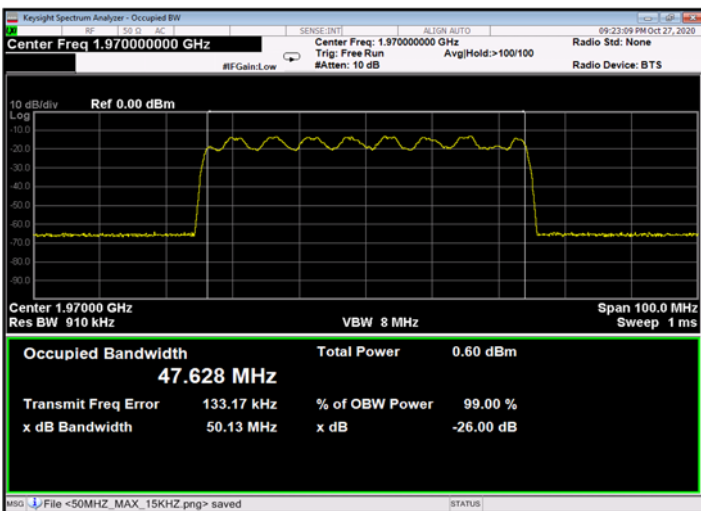


Figure 331: 16QAM 50MHz B.W.; 1970.0MHz, 30kHz - Input

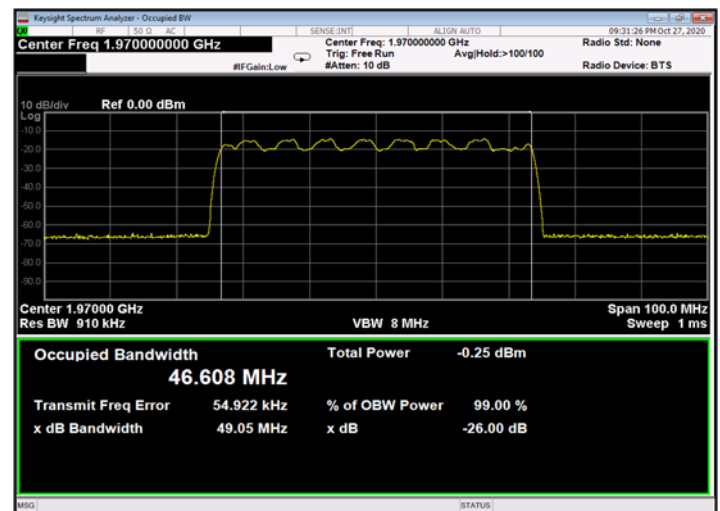


Figure 332: 16QAM 50MHz B.W.; 1970.0MHz, 60kHz - Input

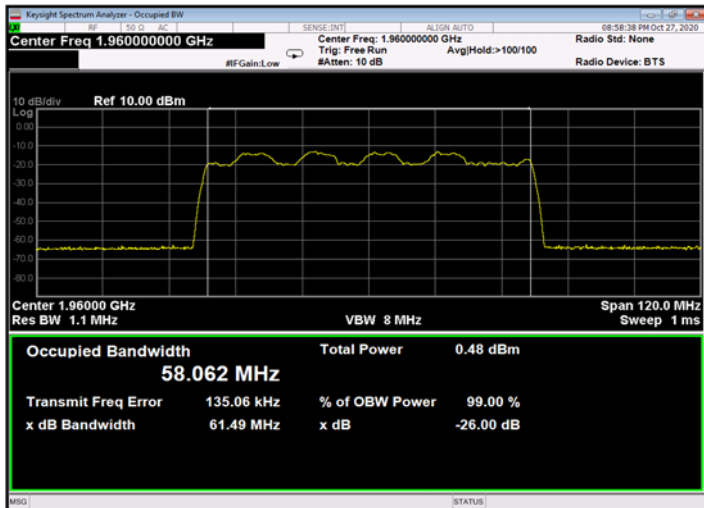


Figure 333: 16QAM 60MHz B.W.; 1960.0MHz, 30kHz - Input

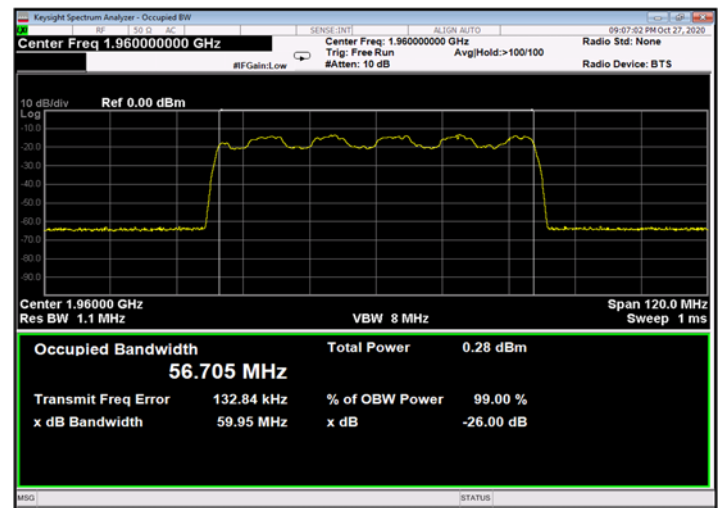


Figure 334: 16QAM 60MHz B.W.; 1960.0MHz, 60kHz - Input

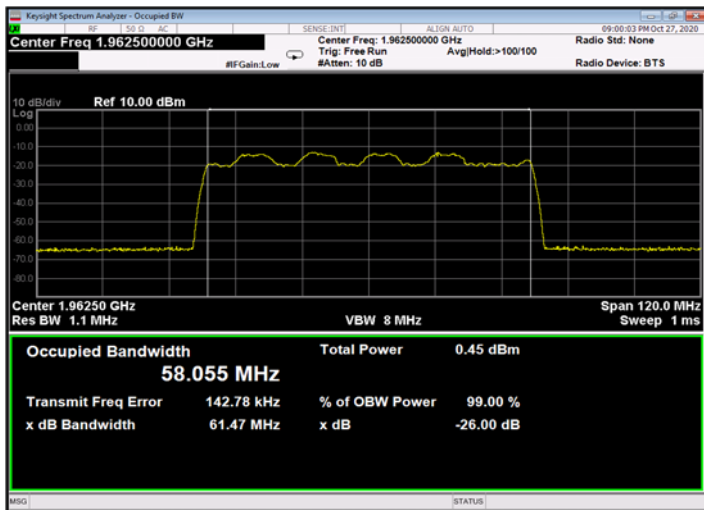


Figure 335: 16QAM 60MHz B.W.; 1962.5MHz, 30kHz - Input

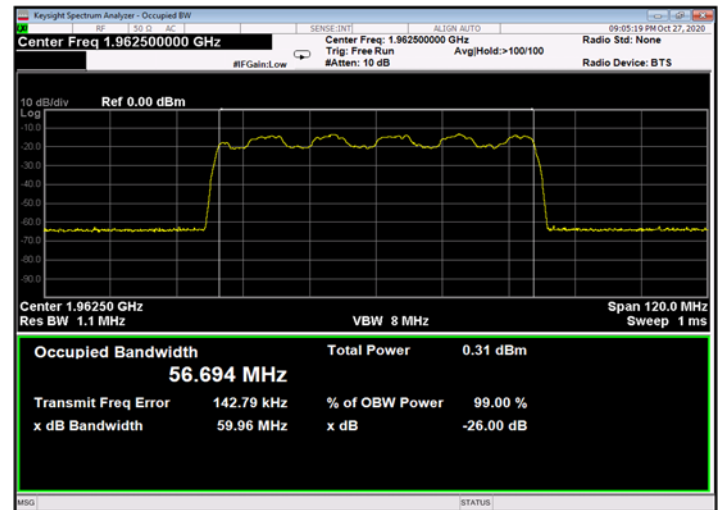


Figure 336: 16QAM 60MHz B.W.; 1962.5MHz, 60kHz - Input

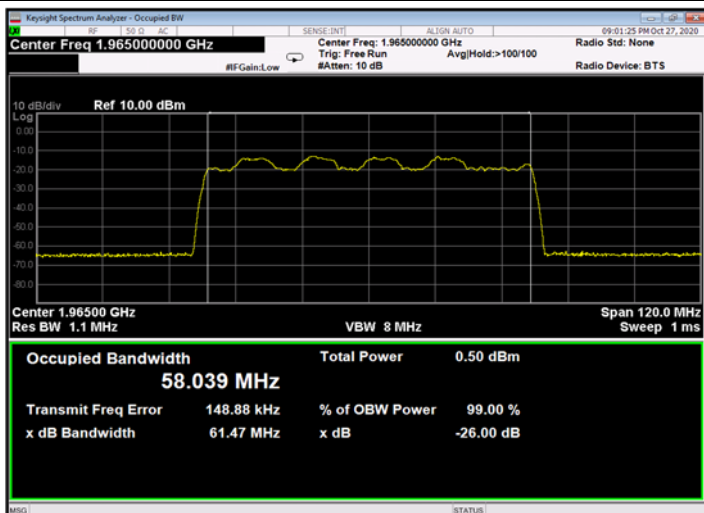


Figure 337: 16QAM 60MHz B.W.; 1965.0MHz, 30kHz - Input

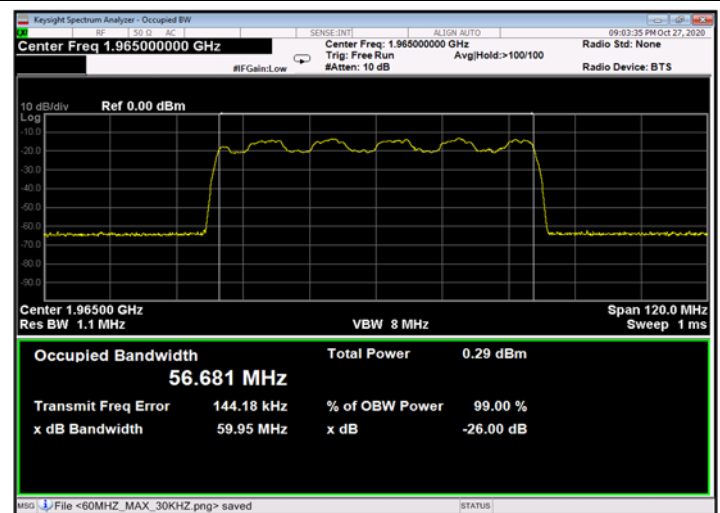


Figure 338: 16QAM 60MHz B.W.; 1965.0MHz, 60kHz - Input

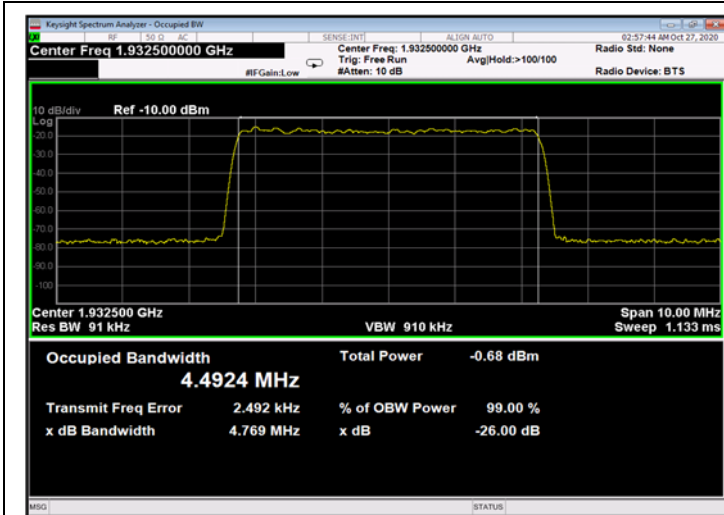


Figure 339: 64QAM 5MHz B.W.; 1932.5MHz, 15kHz - Input

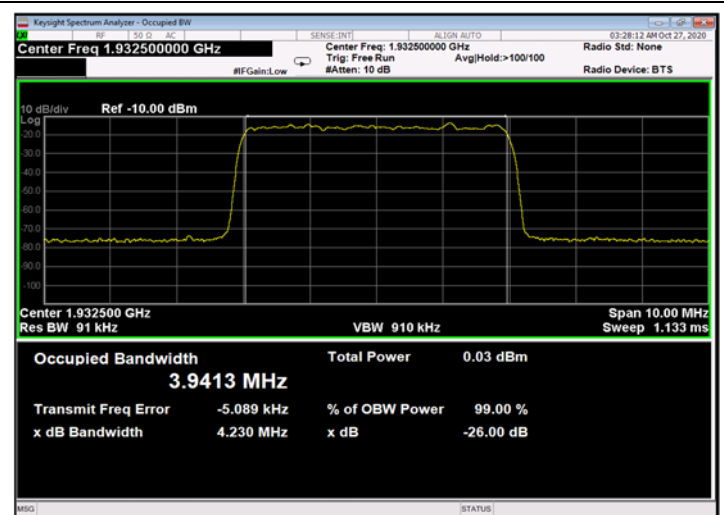


Figure 340: 64QAM 5MHz B.W.; 1932.5MHz, 30kHz - Input

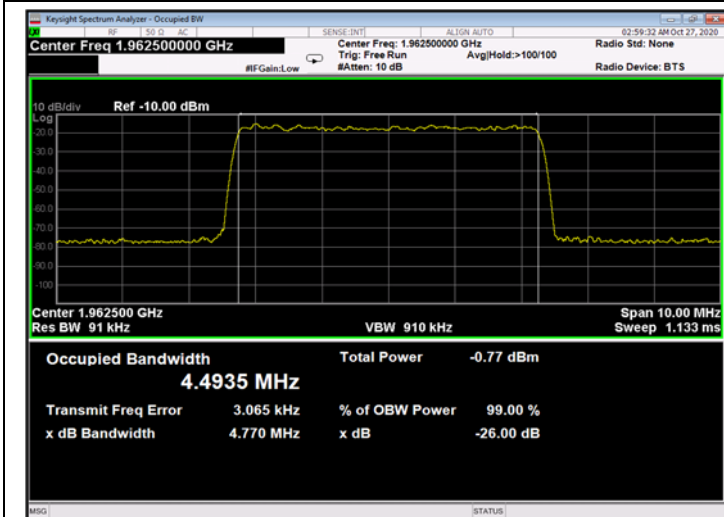


Figure 341: 64QAM 5MHz B.W.; 1962.5MHz, 15kHz - Input

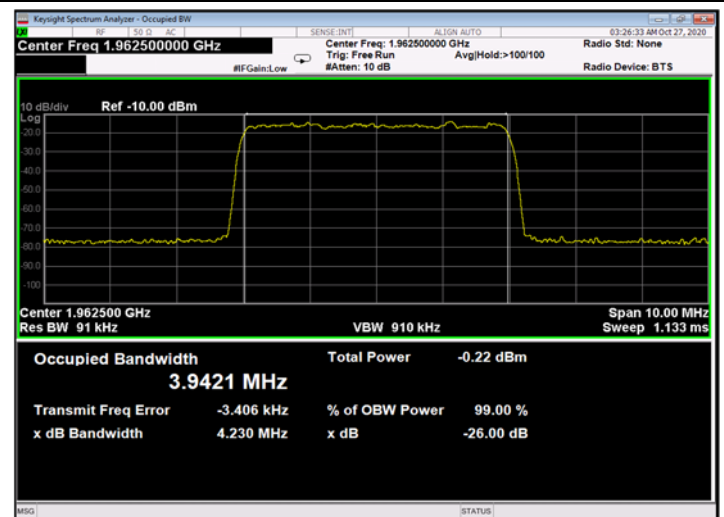


Figure 342: 64QAM 5MHz B.W.; 1962.5MHz, 30kHz - Input

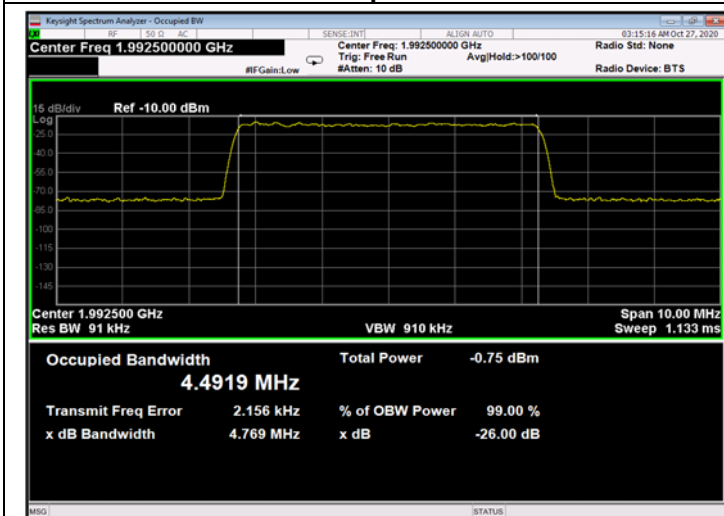


Figure 343: 64QAM 5MHz B.W.; 1992.5MHz, 15kHz - Input

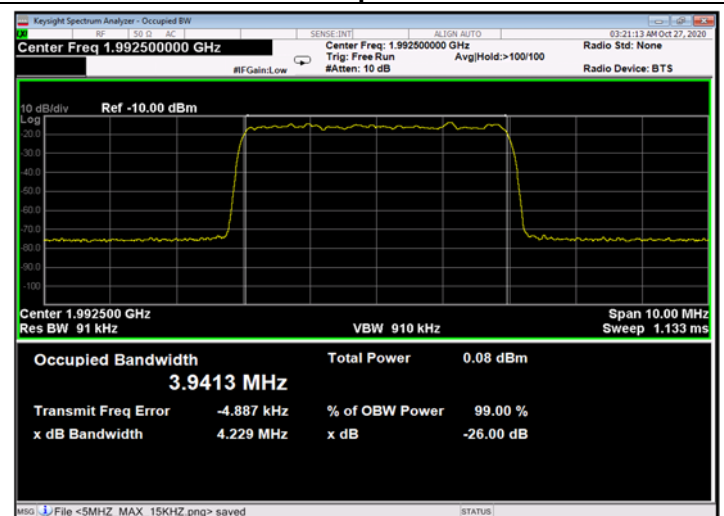


Figure 344: 64QAM 5MHzC.S; 1992.5MHz, 30kHz - Input