



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
		30	1962.5	9.2455	
			1962.5	8.5317	
			1962.5	7.8840	
		60	1990.0	9.2452	
			1990.0	8.5375	
			1990.0	7.8835	
	15	15	1937.5	14.165	
			30	1937.5	13.668
			60	1937.5	12.915
		30	1962.5	14.166	
			1962.5	13.665	
			1962.5	12.916	
		60	1987.5	14.169	
			1987.5	13.669	
			1987.5	12.917	
	20	15	1940.0	19.003	
			30	1940.0	18.328
			60	1940.0	17.145
		30	1962.5	18.997	
			1962.5	18.328	
			1962.5	17.150	
		60	1985.0	19.004	
			1985.0	18.338	
			1985.0	17.149	
	25	15	1942.5	23.843	
			30	1942.5	23.338
			60	1942.5	22.297
		30	1962.5	23.827	
			1962.5	23.321	
			1962.5	22.295	
		60	1982.5	23.826	
			1982.5	23.325	
			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
		30	1962.5	9.3134	
			1962.5	8.5923	
			1962.5	7.8883	
		60	1990.0	9.3162	
			1990.0	8.5898	
			1990.0	7.8884	
	15	15	1937.5	14.144	
			30	1937.5	13.603
			60	1937.5	12.893
		30	1962.5	14.140	
			1962.5	13.605	
			1962.5	12.894	
		60	1987.5	14.143	
			1987.5	13.607	
			1987.5	12.889	
	20	15	1940.0	18.971	
			30	1940.0	18.236
			60	1940.0	18.239
		30	1962.5	18.970	
			1962.5	18.235	
			1962.5	17.188	
		60	1985.0	18.970	
			1985.0	18.240	
			1985.0	17.183	
	25	15	1942.5	23.807	
			30	1942.5	23.275
			60	1942.5	22.209
		30	1962.5	23.792	
			1962.5	23.254	
			1962.5	22.214	
		60	1982.5	23.805	
			1982.5	23.263	
			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
		30	1962.5	9.3015	
			1962.5	8.5854	
			1962.5	7.8839	
		60	1990.0	9.3021	
			1990.0	8.5861	
			1990.0	7.8842	
	15	15	1937.5	14.146	
			30	1937.5	13.623
			60	1937.5	12.946
		30	1962.5	14.145	
			1962.5	13.617	
			1962.5	12.947	
		60	1987.5	14.143	
			1987.5	13.613	
			1987.5	12.949	
	20	15	1940.0	18.971	
			30	1940.0	18.259
			60	1940.0	17.180
		30	1962.5	18.971	
			1962.5	18.262	
			1962.5	17.167	
		60	1985.0	18.968	
			1985.0	18.261	
			1985.0	17.166	
	25	15	1942.5	23.841	
			30	1942.5	23.275
			60	1942.5	22.168
		30	1962.5	23.821	
			1962.5	23.266	
			1962.5	22.168	
		60	1982.5	23.829	
			1982.5	23.268	
			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
			1935.0	8.5966
			1935.0	7.9272
		30	1962.5	9.3119
			1962.5	8.5962
			1962.5	7.9282
		60	1990.0	9.3103
			1990.0	8.5964
			1990.0	7.9259
	15	15	1937.5	14.154
			1937.5	13.672
			1937.5	12.993
		30	1962.5	14.153
			1962.5	13.667
			1962.5	12.995
		60	1987.5	14.154
			1987.5	13.671
			1987.5	12.994
	20	15	1940.0	18.881
			1940.0	18.227
			1940.0	17.197
		30	1962.5	18.880
			1962.5	18.213
			1962.5	17.193
		60	1985.0	18.884
			1985.0	18.219
			1985.0	17.193
	25	15	1942.5	23.827
			1942.5	23.247
			1942.5	22.198
		30	1962.5	23.813
			1962.5	23.248
			1962.5	22.185
		60	1982.5	23.820
			1982.5	23.250
			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	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	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	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	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
		30	1962.5	9.2999	
			1962.5	8.5980	
			1962.5	7.8942	
		60	1990.0	9.2954	
			1990.0	8.5905	
			1990.0	7.8823	
	15	15	1937.5	14.095	
			30	1937.5	13.533
			60	1937.5	12.842
		30	1962.5	14.149	
			1962.5	13.600	
			1962.5	12.916	
		60	1987.5	14.102	
			1987.5	13.596	
			1987.5	12.876	
	20	15	1940.0	18.867	
			30	1940.0	18.154
			60	1940.0	17.116
		30	1962.5	18.998	
			1962.5	18.258	
			1962.5	17.206	
		60	1985.0	18.937	
			1985.0	18.208	
			1985.0	17.174	
	25	15	1942.5	23.669	
			30	1942.5	23.148
			60	1942.5	22.065
		30	1962.5	23.797	
			1962.5	23.298	
			1962.5	22.216	
		60	1982.5	9.2954	
			1982.5	8.5905	
			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
		30	1962.5	9.3064	
			1962.5	8.5993	
			1962.5	7.8721	
		60	1990.0	9.2946	
			1990.0	8.5950	
			1990.0	7.8840	
	15	15	1937.5	14.090	
			30	1937.5	13.556
			60	1937.5	12.881
		30	1962.5	14.155	
			1962.5	13.622	
			1962.5	12.932	
		60	1987.5	14.117	
			1987.5	13.607	
			1987.5	12.932	
	20	15	1940.0	18.843	
			30	1940.0	18.214
			60	1940.0	17.098
		30	1962.5	18.971	
			1962.5	18.277	
			1962.5	17.220	
		60	1985.0	18.971	
			1985.0	18.277	
			1985.0	17.220	
	25	15	1942.5	23.718	
			30	1942.5	23.159
			60	1942.5	22.073
		30	1962.5	23.856	
			1962.5	23.317	
			1962.5	22.211	
		60	1982.5	23.765	
			1982.5	23.244	
			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
		30	1962.5	9.3174	
			1962.5	8.6158	
			1962.5	7.9343	
		60	1990.0	9.3158	
			1990.0	8.6322	
			1990.0	7.9390	
	15	15	1937.5	14.106	
			30	1937.5	13.655
			60	1937.5	12.957
		30	1962.5	14.131	
			1962.5	13.696	
			1962.5	12.997	
		60	1987.5	14.128	
			1987.5	13.688	
			1987.5	13.008	
	20	15	1940.0	18.835	
			30	1940.0	18.144
			60	1940.0	17.176
		30	1962.5	18.972	
			1962.5	18.220	
			1962.5	17.235	
		60	1985.0	18.914	
			1985.0	18.196	
			1985.0	17.197	
	25	15	1942.5	23.736	
			30	1942.5	23.171
			60	1942.5	22.098
		30	1962.5	23.873	
			1962.5	23.314	
			1962.5	22.238	
		60	1982.5	23.794	
			1982.5	23.252	
			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	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	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

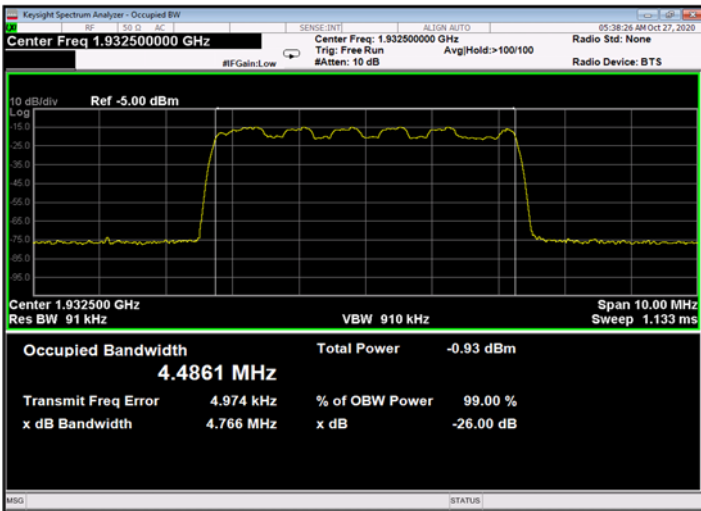


Figure 273: 16QAM 5MHz B.W.; 1932.5MHz, 15kHz - Input

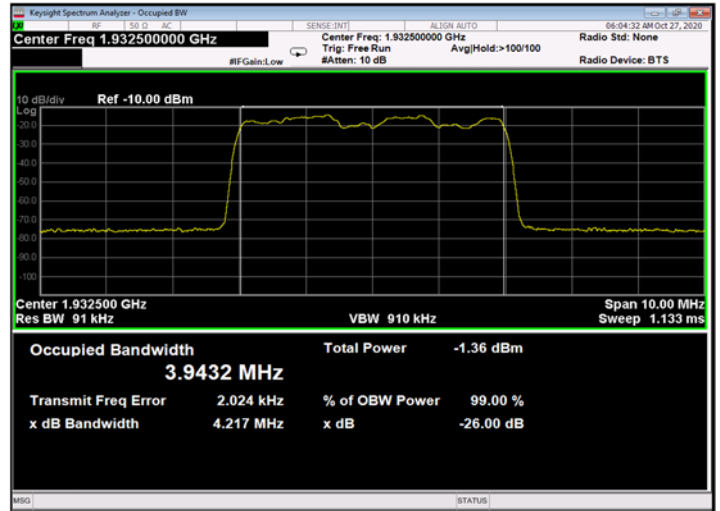


Figure 274: 16QAM 5MHz B.W.; 1932.5MHz, 30kHz - Input

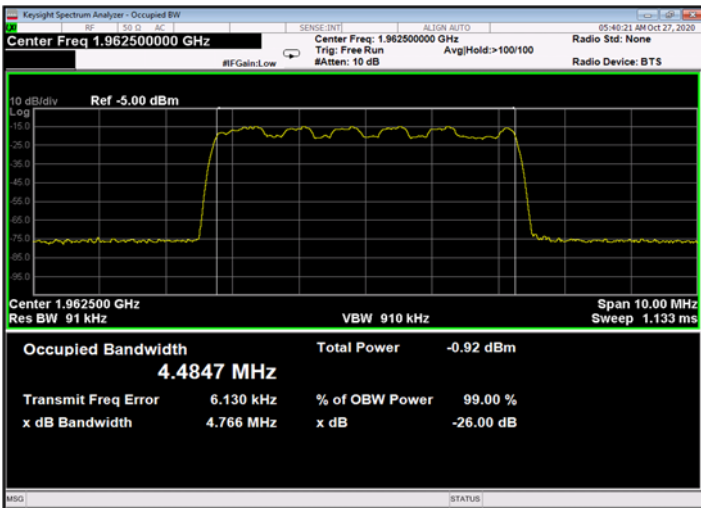


Figure 275: 16QAM 5MHz B.W.; 1962.5MHz, 15kHz - Input

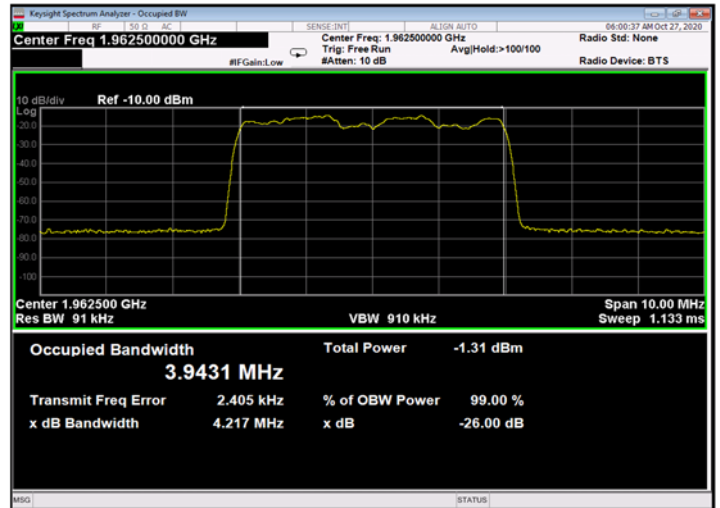


Figure 276: 16QAM 5MHz B.W.; 1962.5MHz, 30kHz - Input

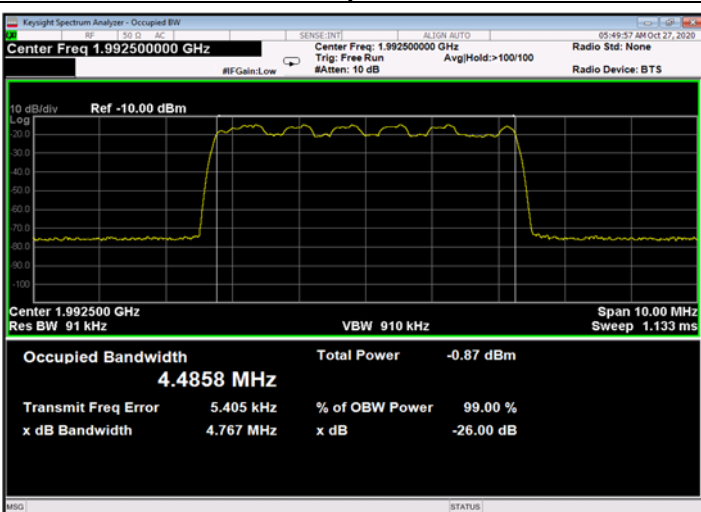


Figure 277: 16QAM 5MHz B.W.; 1992.5MHz, 15kHz - Input

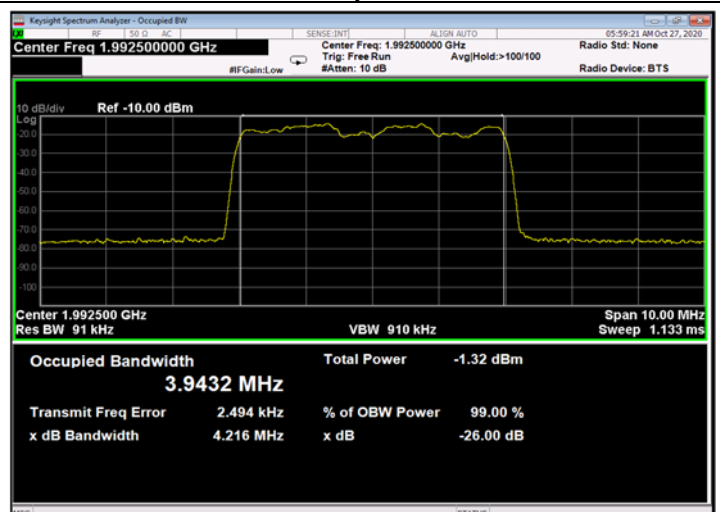


Figure 278: 16QAM 5MHz C.S.; 1992.5MHz, 30kHz - Input

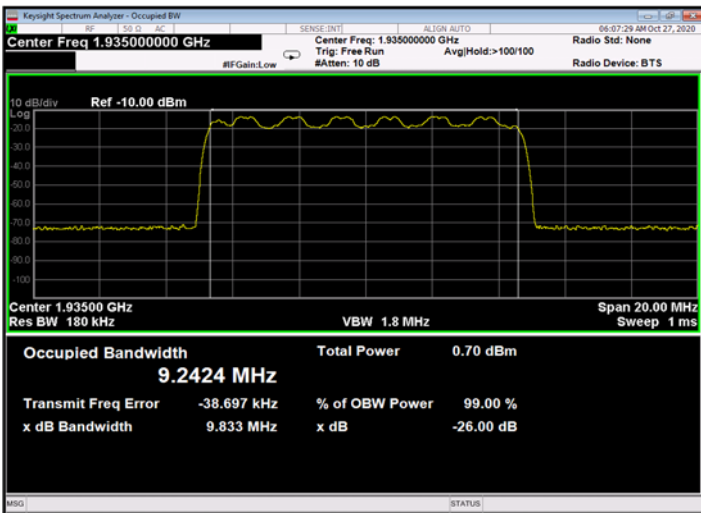


Figure 279: 16QAM 10MHz B.W.; 1935.00MHz, 15kHz - Input

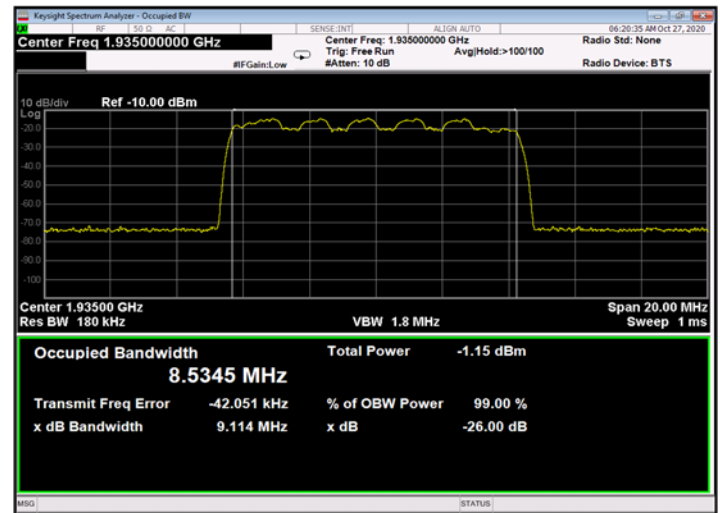


Figure 280: 16QAM 10MHz B.W.; 1935.0MHz, 30kHz - Input

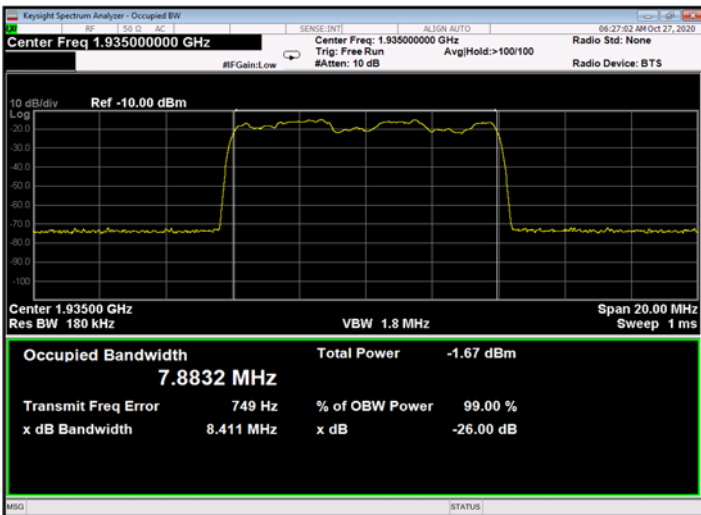


Figure 281: 16QAM 10MHz B.W.; 1935.0MHz, 60kHz - Input

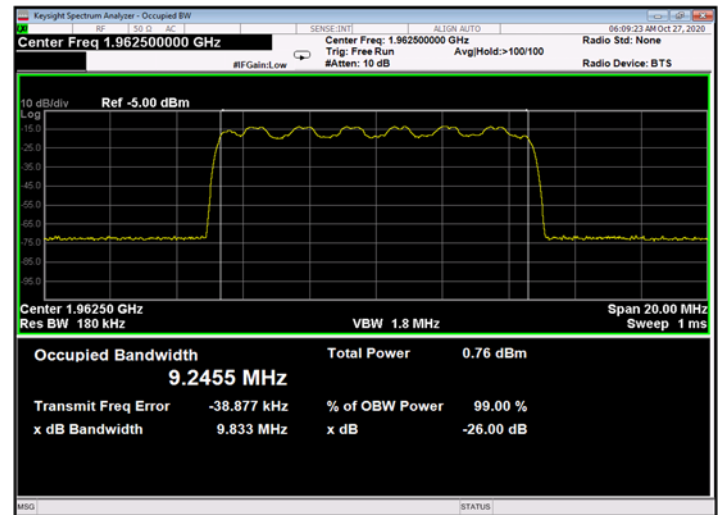


Figure 282: 16QAM 10MHz B.W.; 1962.5MHz, 15kHz - Input

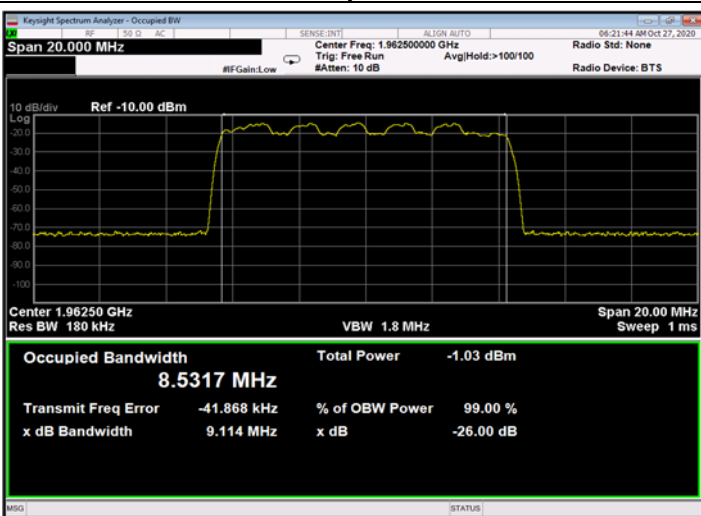


Figure 283: 16QAM 10MHz B.W.; 1962.5MHz, 30kHz - Input

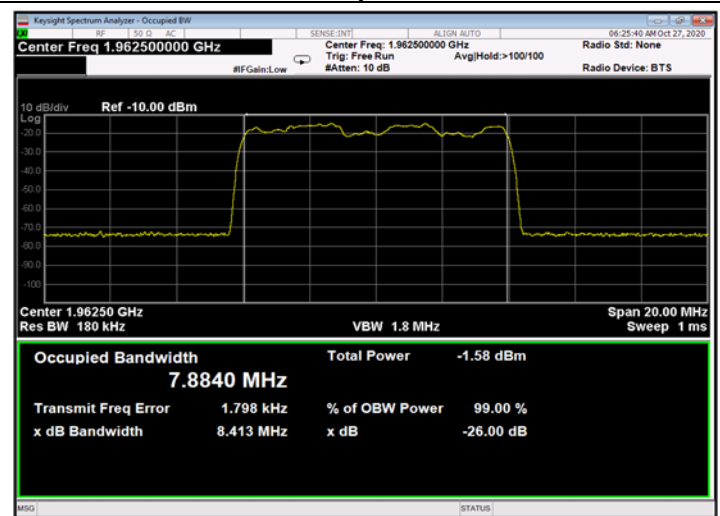


Figure 284: 16QAM 10MHz B.W.; 1962.5MHz, 60kHz - Input

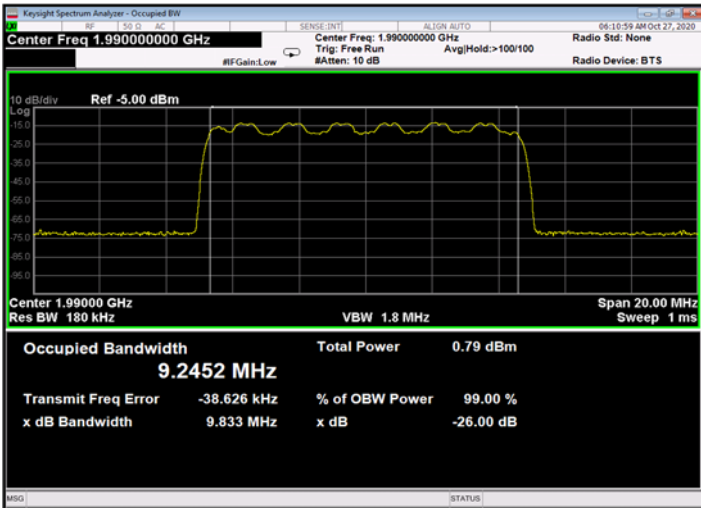


Figure 285: 16QAM 10MHz B.W.; 1990.0MHz, 15kHz - Input

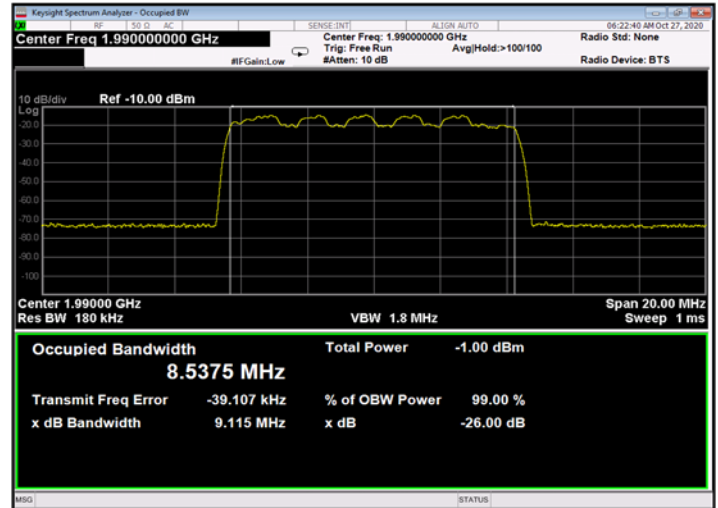


Figure 286: 16QAM 10MHz B.W.; 1990.0MHz, 30kHz - Input

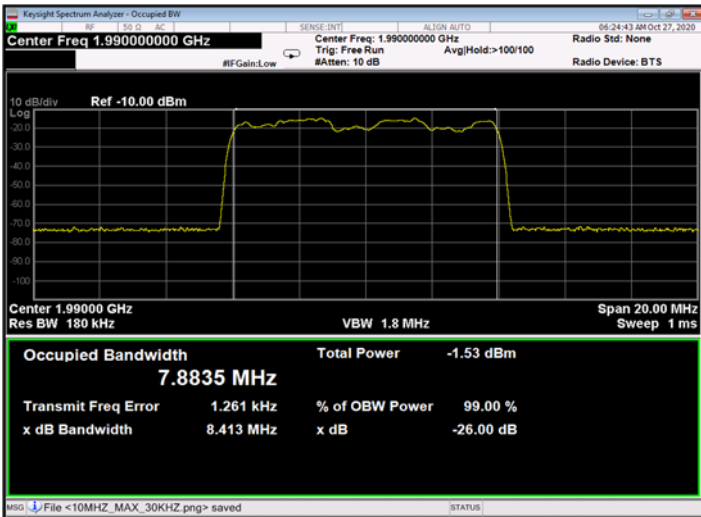


Figure 287: 16QAM 10MHz B.W.; 1990.0MHz, 60kHz - Input

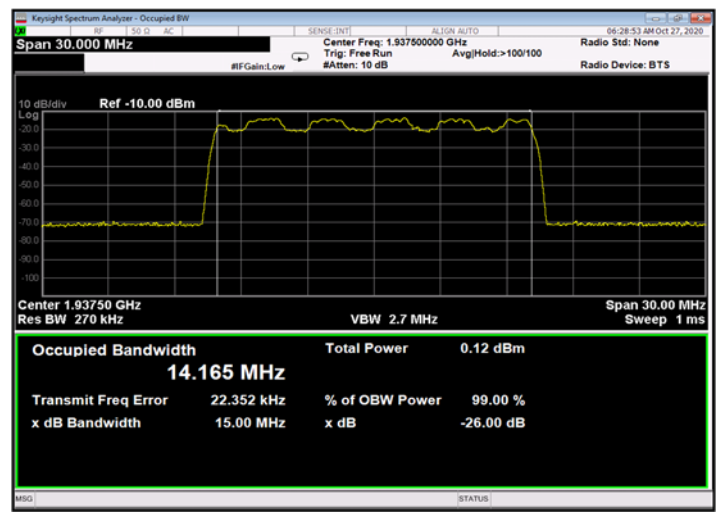


Figure 288: 16QAM 15MHz B.W.; 1937.5MHz, 15kHz - Input

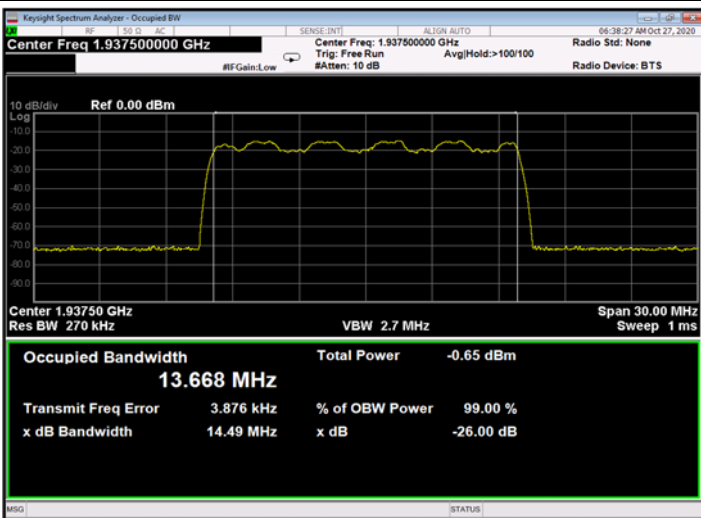


Figure 289: 16QAM 15MHz B.W.; 1937.5MHz, 30kHz - Input

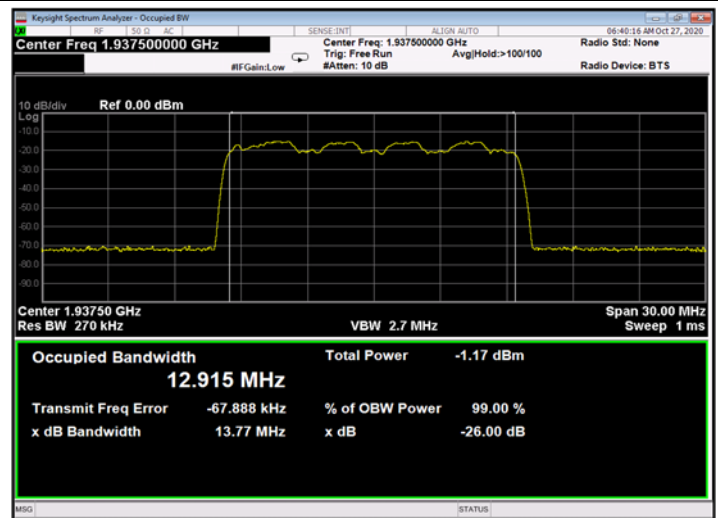


Figure 290: 16QAM 10MHz B.W.; 1937.5MHz, 60kHz - Input

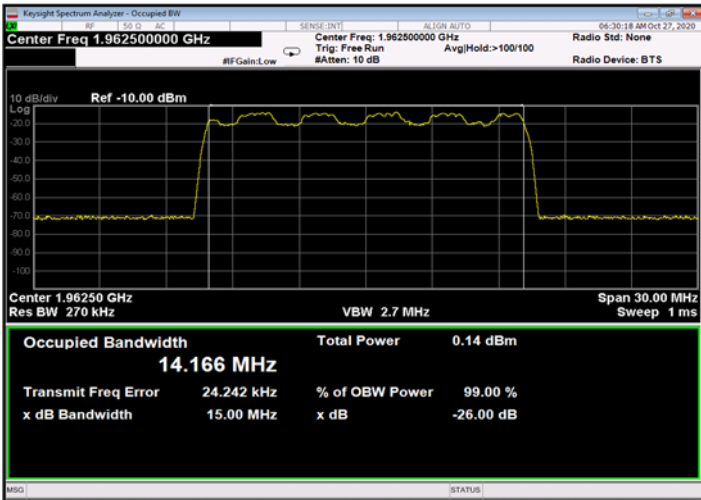


Figure 291: 16QAM 15MHz B.W.; 1962.5MHz, 15kHz - Input

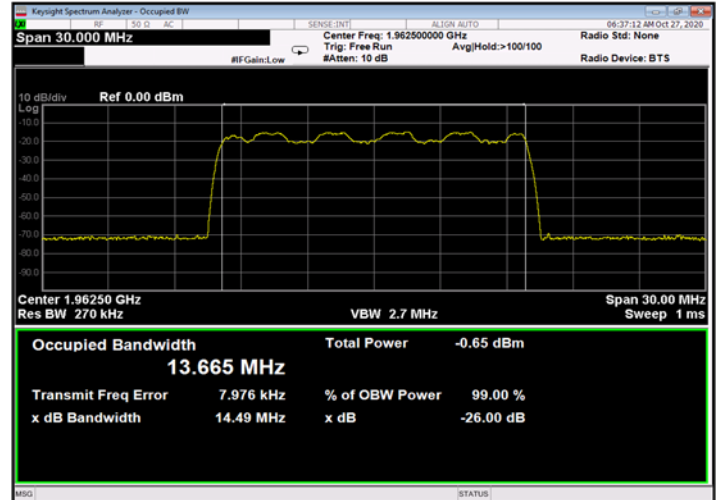


Figure 292: 16QAM 15MHz B.W.; 1962.5MHz, 30kHz - Input

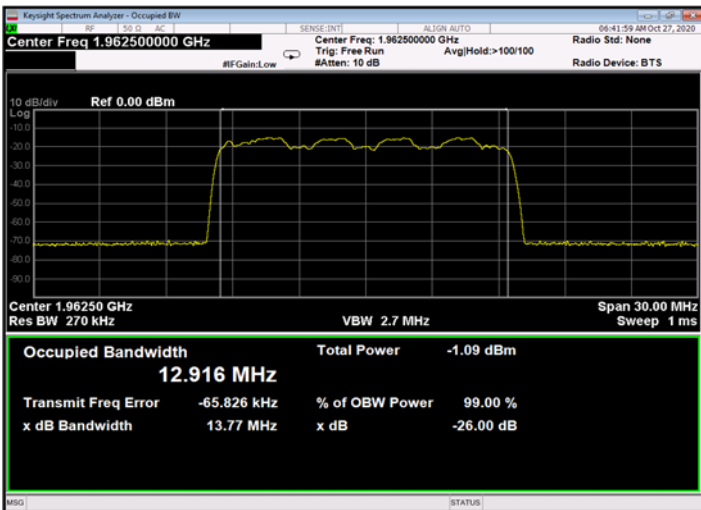


Figure 293: 16QAM 15MHz B.W.; 1962.5MHz, 60kHz - Input

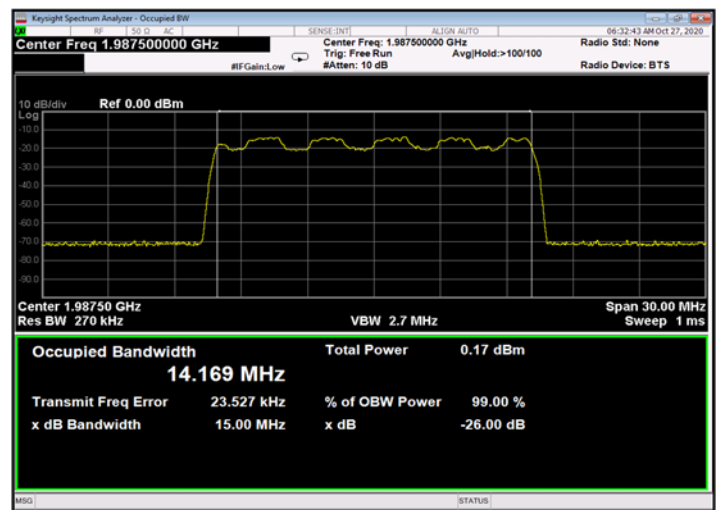


Figure 294: 16QAM 15MHz B.W.; 1987.5MHz, 15kHz - Input

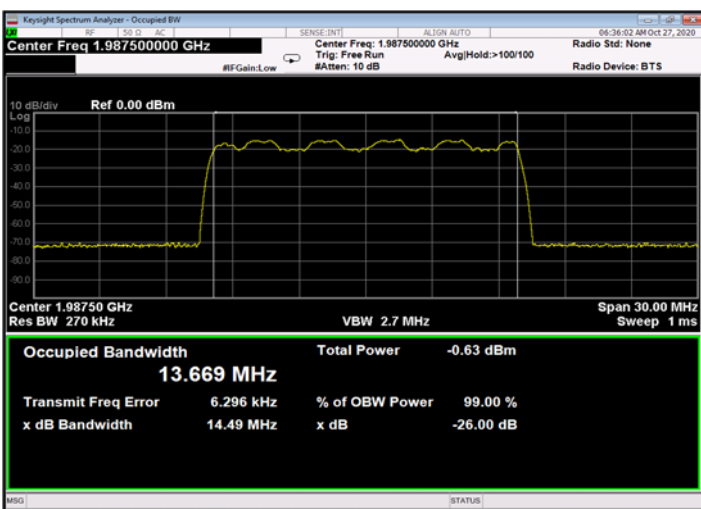


Figure 295: 16QAM 15MHz B.W.; 1987.5MHz, 30kHz - Input

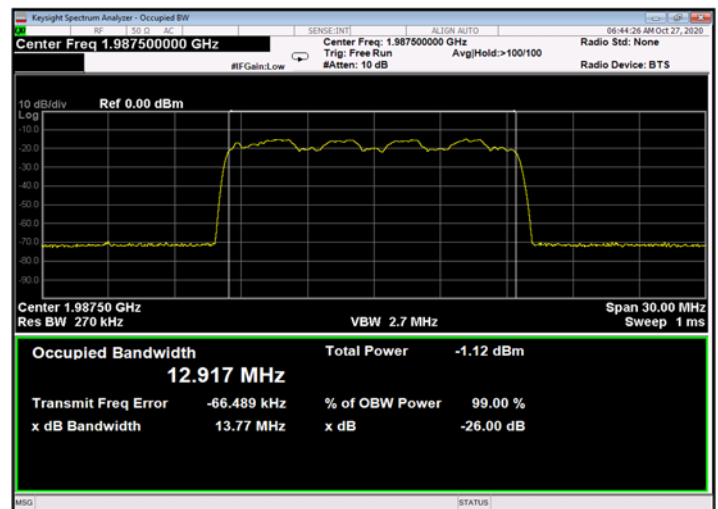


Figure 296: 16QAM 15MHz B.W.; 1987.5MHz, 60kHz - Input

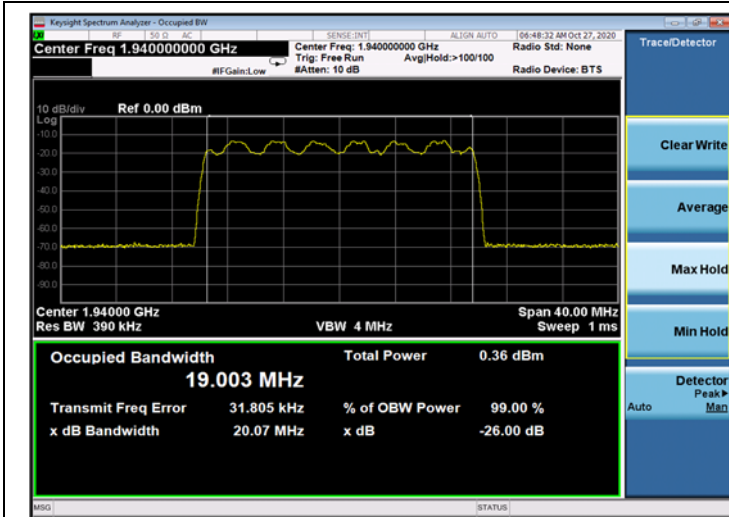


Figure 297: 16QAM 20MHz B.W.; 1940.0MHz, 15kHz - Input

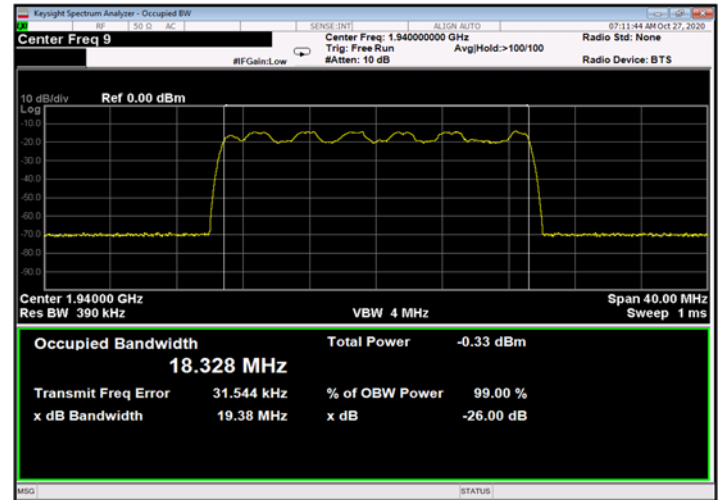


Figure 298: 16QAM 20MHz B.W.; 1940.0MHz, 30kHz - Input

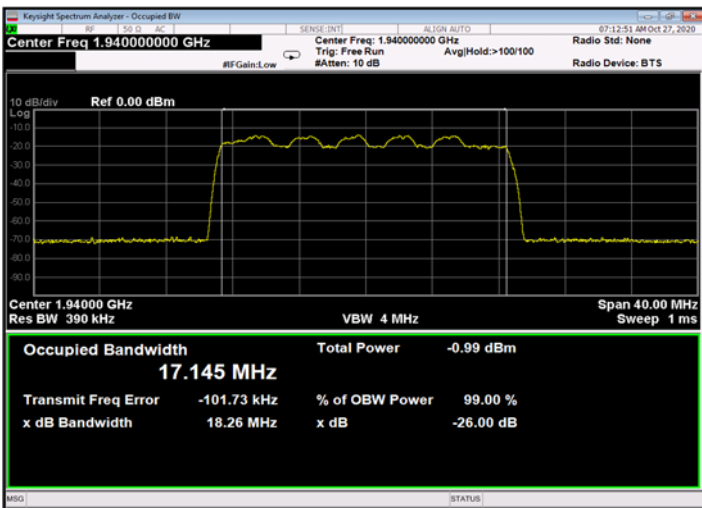


Figure 299: 16QAM 20MHz B.W.; 1940.0MHz, 60kHz - Input

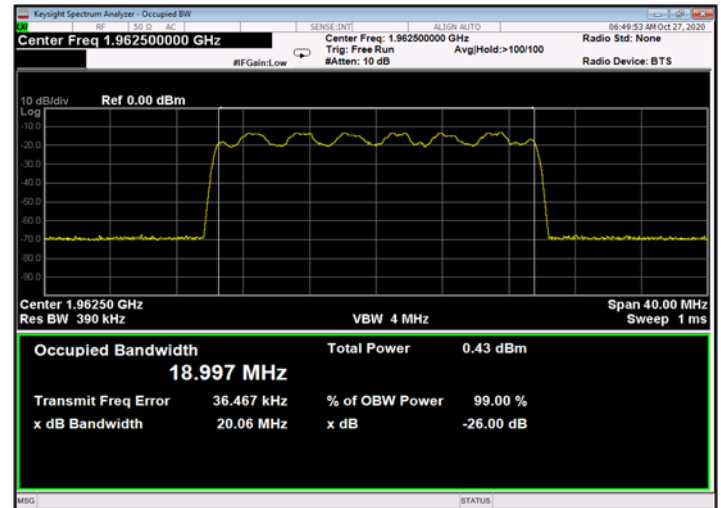


Figure 300: 16QAM 20MHz B.W.; 1962.5MHz, 15kHz - Input

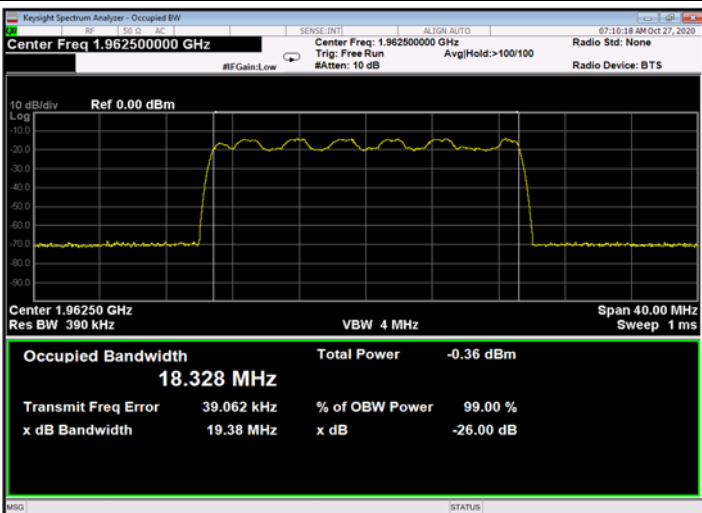


Figure 301: 16QAM 20MHz B.W.; 1962.5MHz, 30kHz - Input

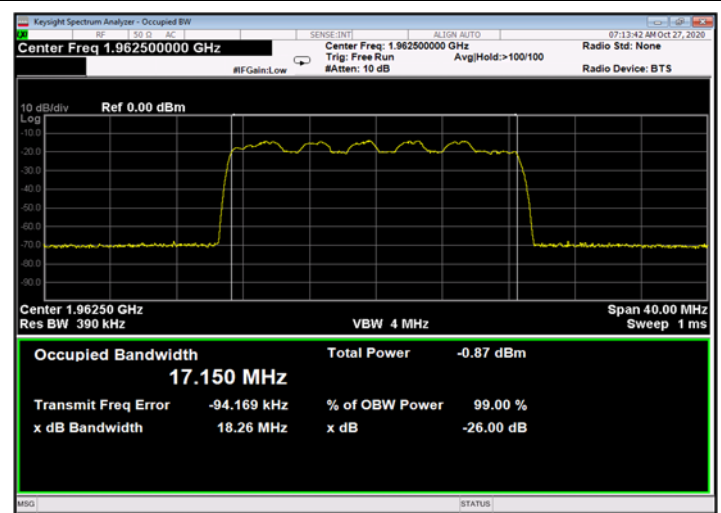


Figure 302: 16QAM 20MHz B.W.; 1962.5MHz, 60kHz - Input

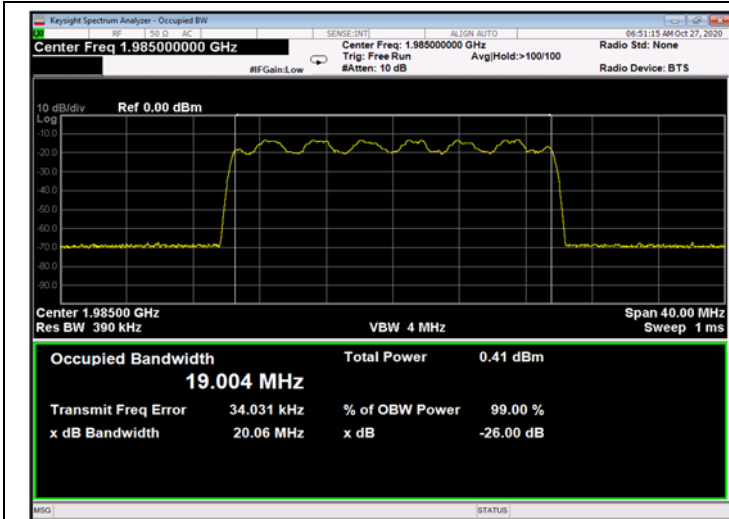


Figure 303: 16QAM 20MHz B.W.; 1985.0MHz, 15kHz - Input

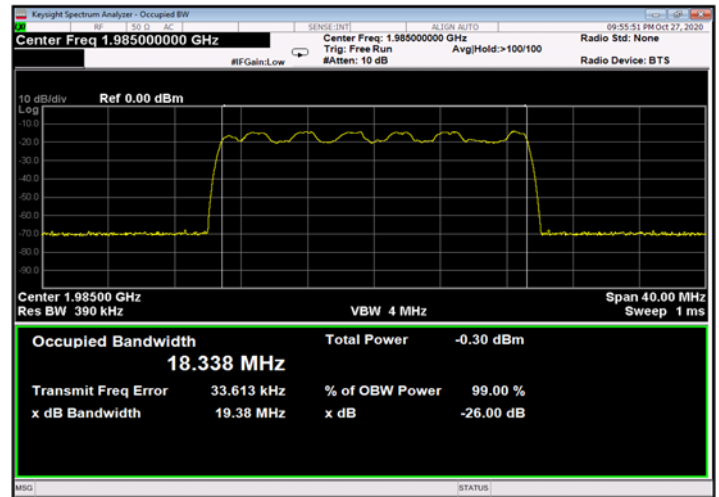


Figure 304: 16QAM 20MHz B.W.; 1985.0MHz, 30kHz - Input

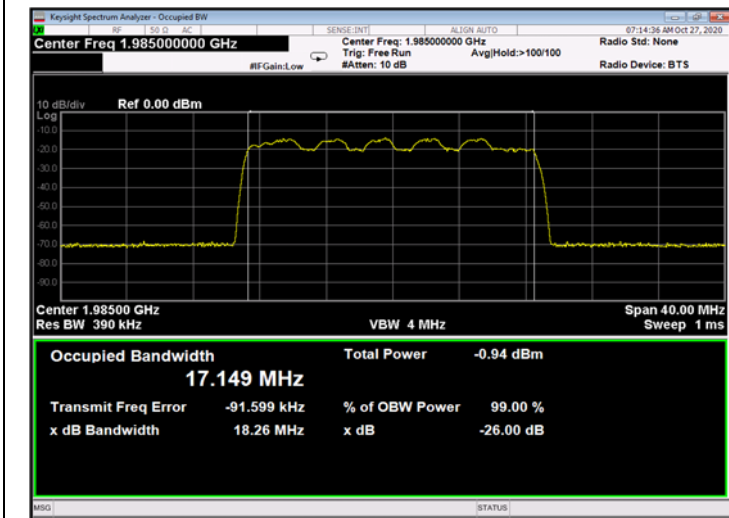


Figure 305: 16QAM 20MHz B.W.; 1985.0MHz, 60kHz - Input

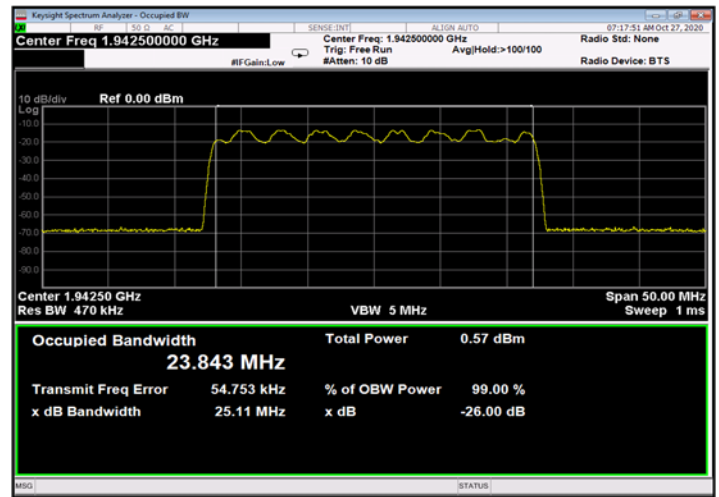


Figure 306: 16QAM 25MHz B.W.; 1942.5MHz, 15kHz - Input

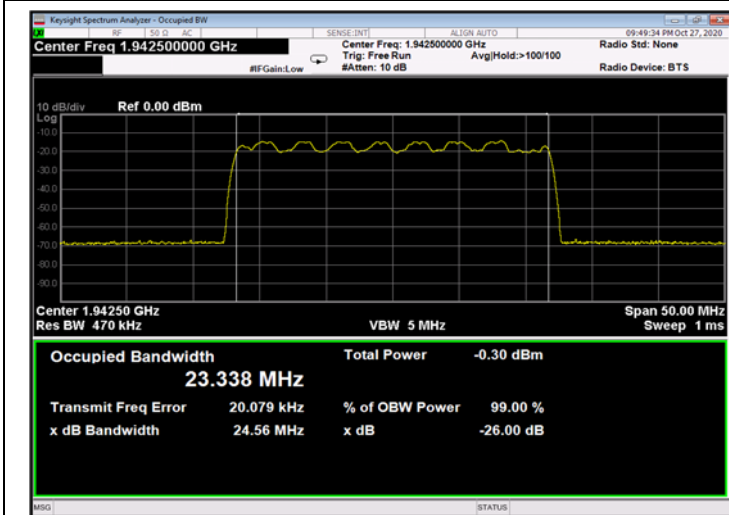


Figure 307: 16QAM 25MHz B.W.; 1942.5MHz, 30kHz - Input

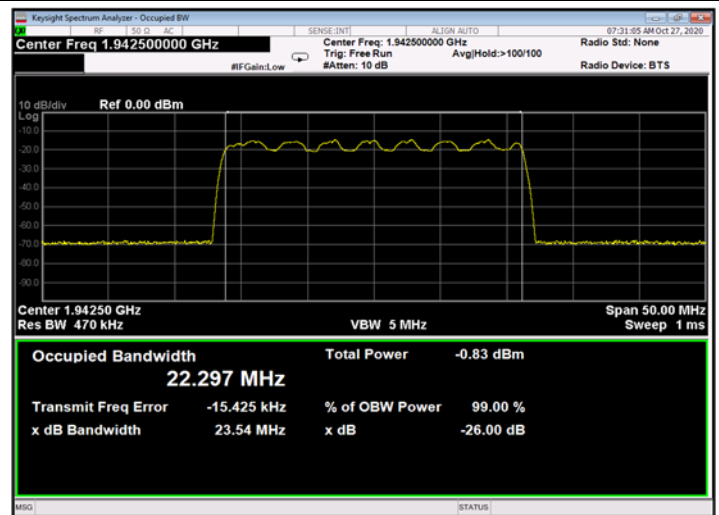


Figure 308: 16QAM 25MHz B.W.; 1942.5MHz, 60kHz - Input

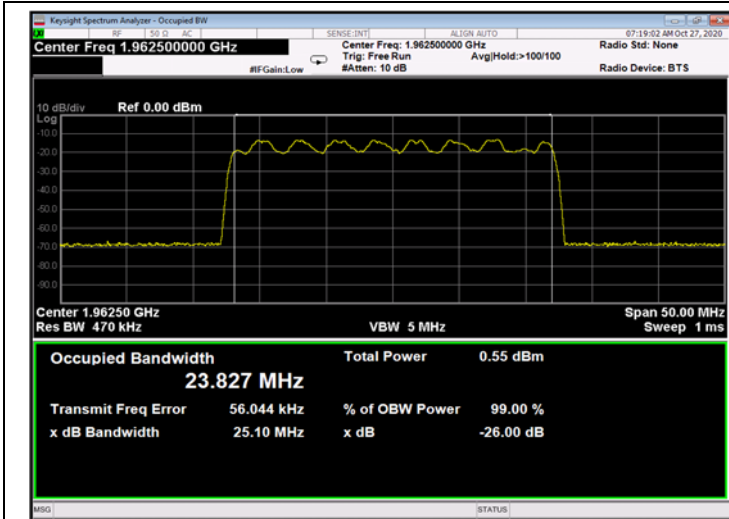


Figure 309: 16QAM 25MHz B.W.; 1962.5MHz, 15kHz - Input

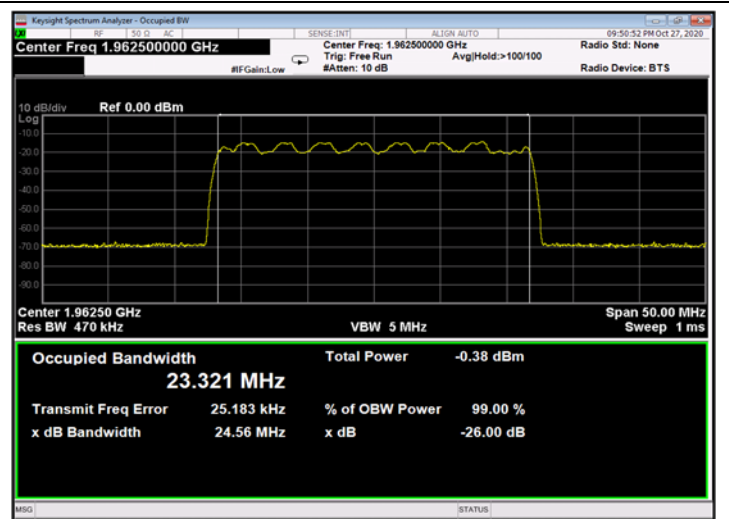


Figure 310: 16QAM 25MHz B.W.; 1962.5MHz, 30kHz - Input

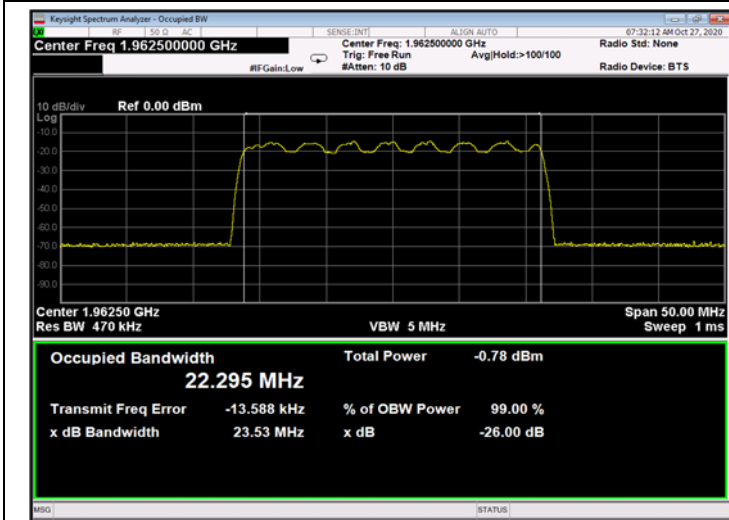


Figure 311: 16QAM 25MHz B.W.; 1962.5MHz, 60kHz - Input

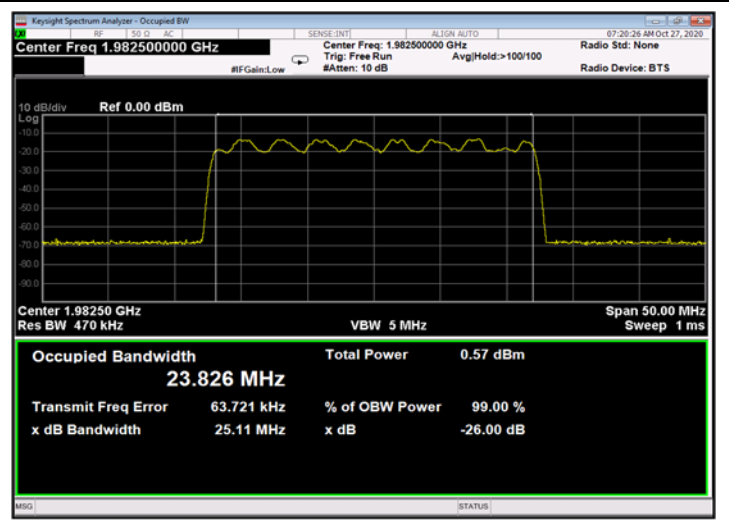


Figure 312: 16QAM 25MHz B.W.; 1982.5MHz, 15kHz - Input

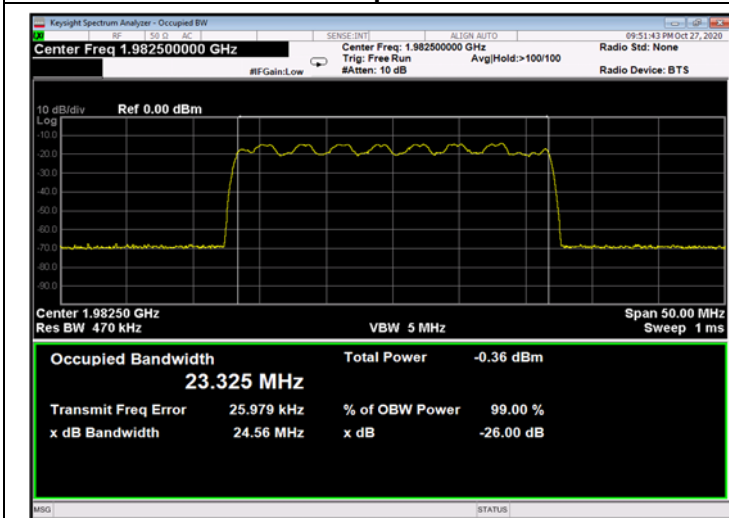


Figure 313: 16QAM 25MHz B.W.; 1982.5MHz, 30kHz - Input

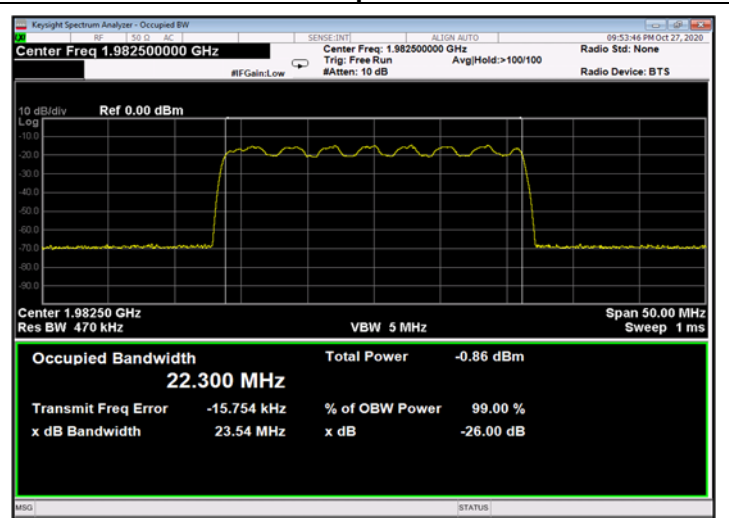


Figure 314: 16QAM 25MHz B.W.; 1982.5MHz, 60kHz - Input

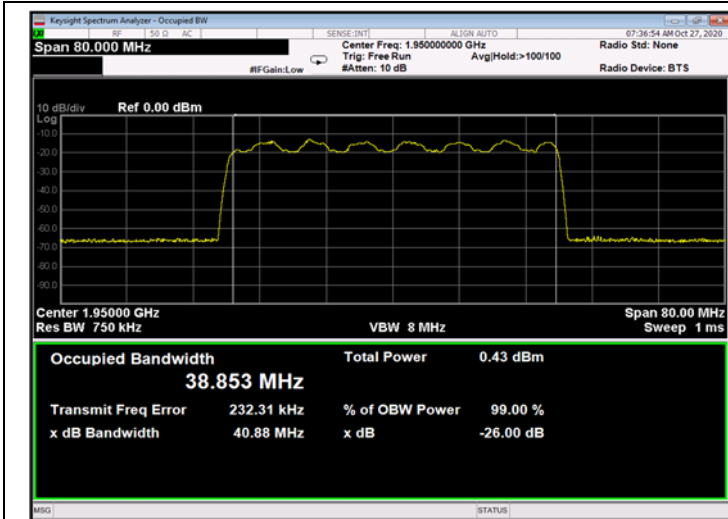


Figure 315: 16QAM 40MHz B.W.; 1950.0MHz, 15kHz - Input

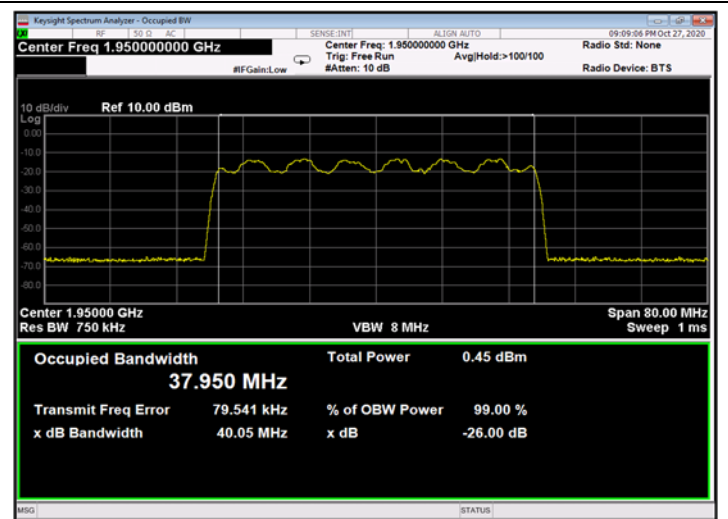


Figure 316: 16QAM 40MHz B.W.; 1950.0MHz, 30kHz - Input

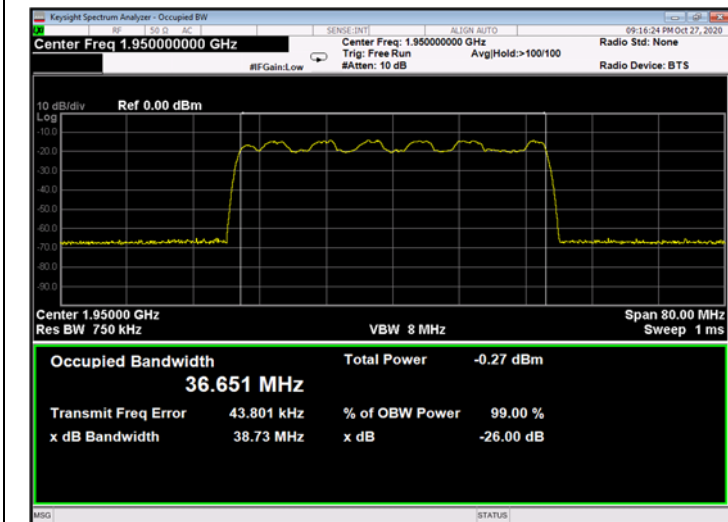


Figure 317: 16QAM 40MHz B.W.; 1950.0MHz, 60kHz - Input

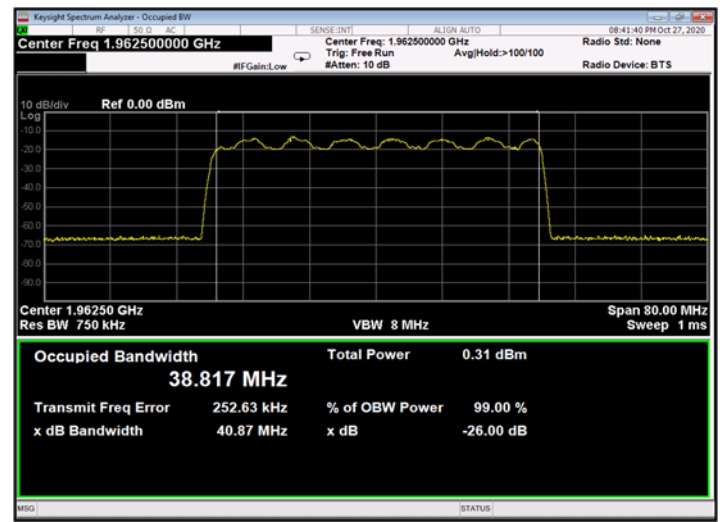


Figure 318: 16QAM 40MHz B.W.; 1962.5MHz, 15kHz - Input

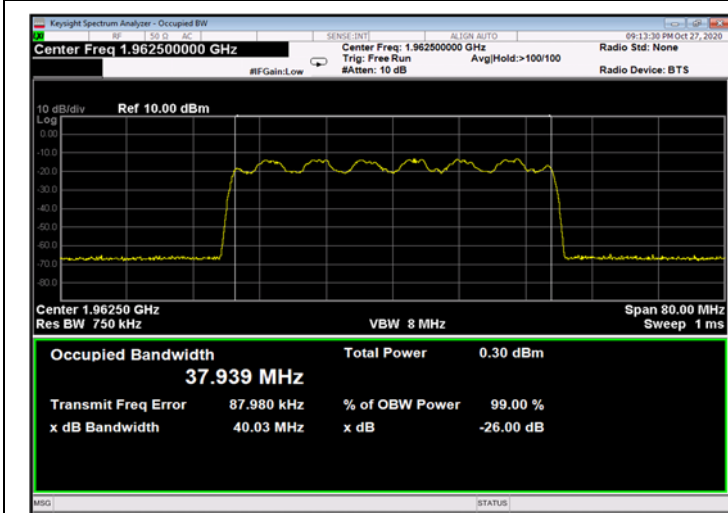


Figure 319: 16QAM 40MHz B.W.; 1962.5MHz, 30kHz - Input

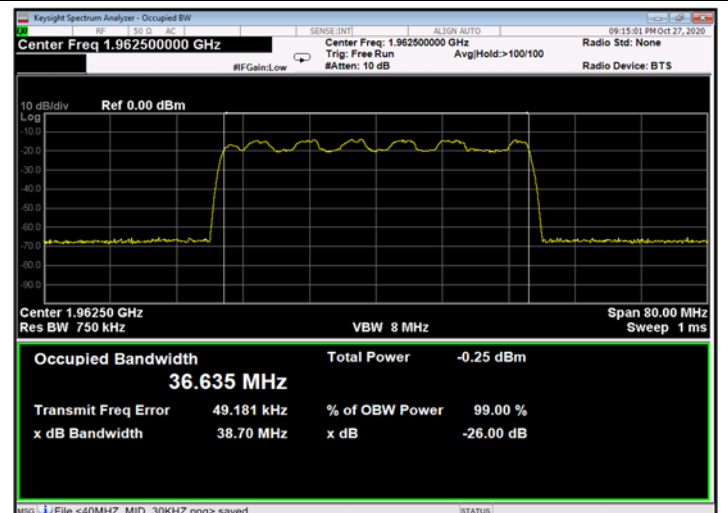


Figure 320: 16QAM 40MHz B.W.; 1962.5MHz, 60kHz - Input

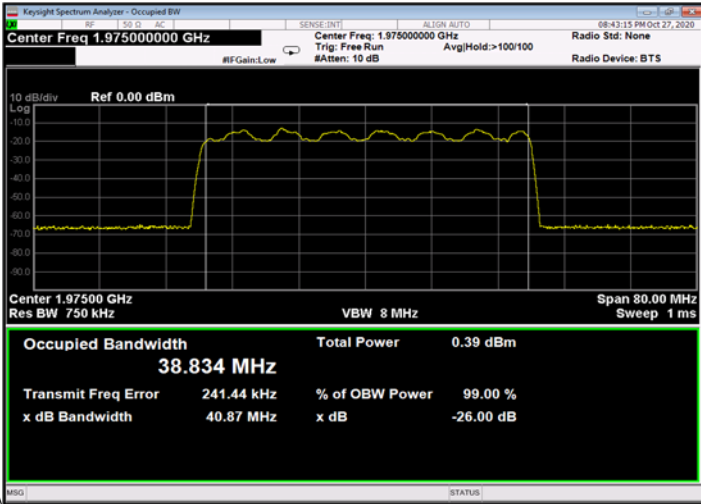


Figure 321: 16QAM 40MHz B.W.; 1975.0MHz, 15kHz - Input

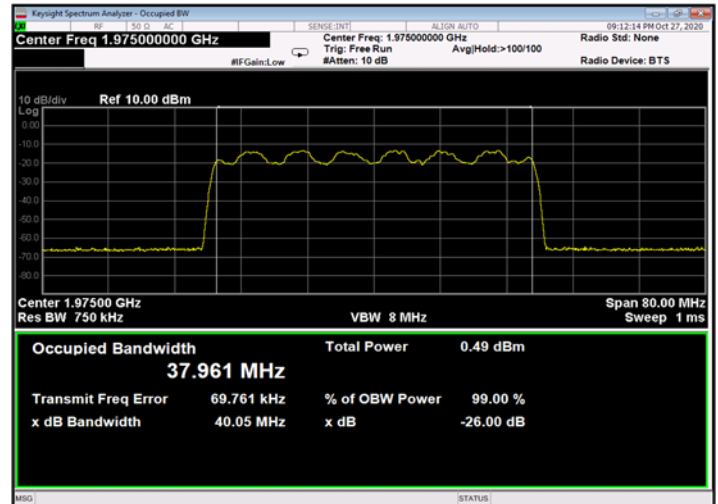


Figure 322: 16QAM 40MHz B.W.; 1975.0MHz, 30kHz - Input

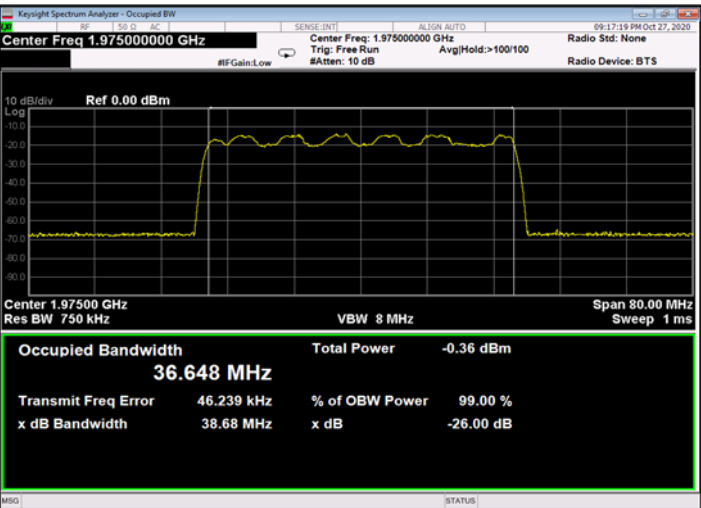


Figure 323: 16QAM 40MHz B.W.; 1975.0MHz, 60kHz - Input

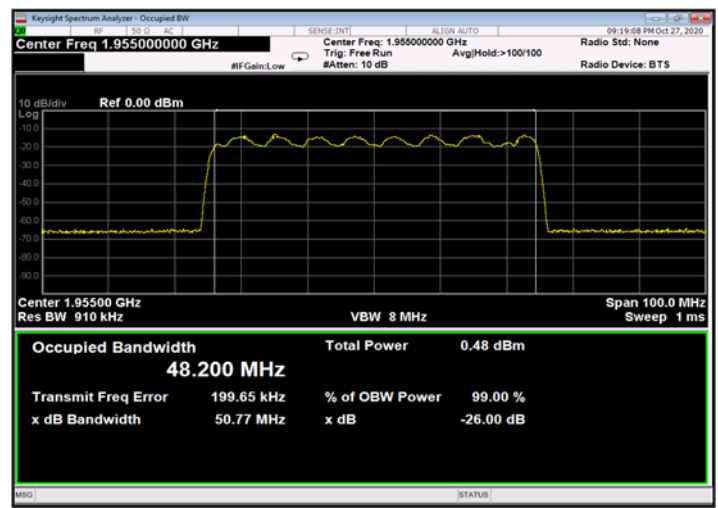


Figure 324: 16QAM 50MHz B.W.; 1955.0MHz, 15kHz - Input

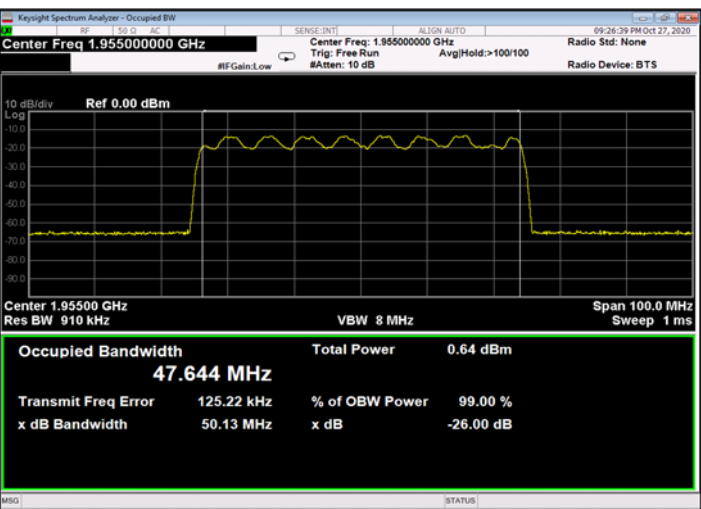


Figure 325: 16QAM 50MHz B.W.; 1955.0MHz, 30kHz - Input

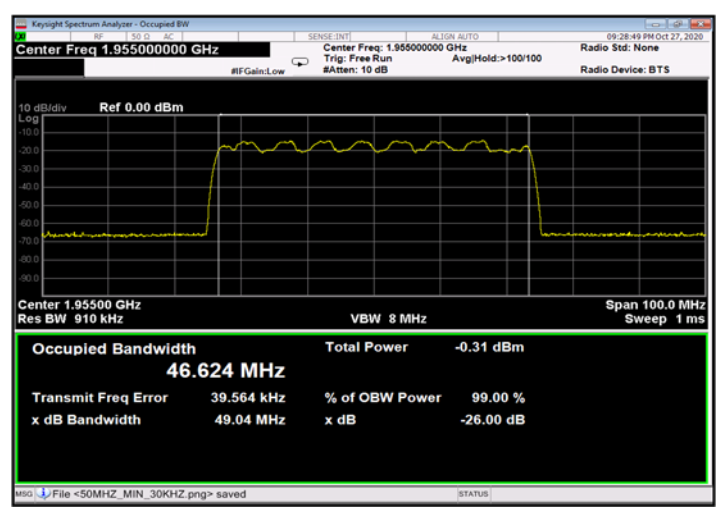


Figure 326: 16QAM 50MHz B.W.; 1955.0MHz, 60kHz - Input

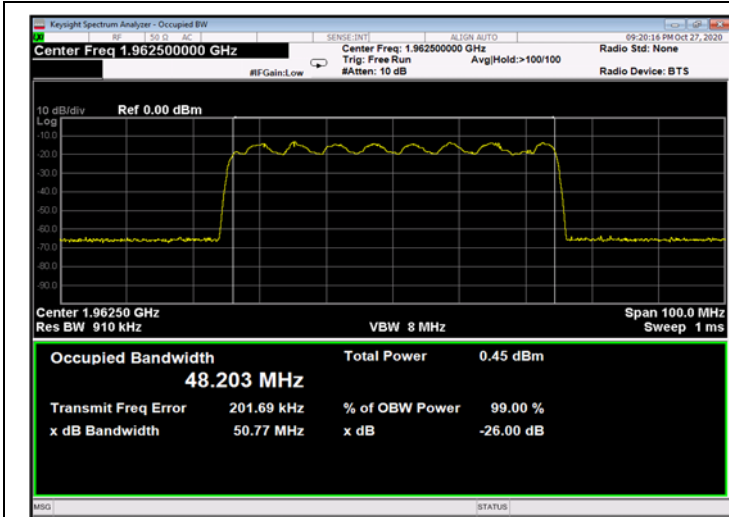


Figure 327: 16QAM 50MHz B.W.; 1962.5MHz, 15kHz - Input

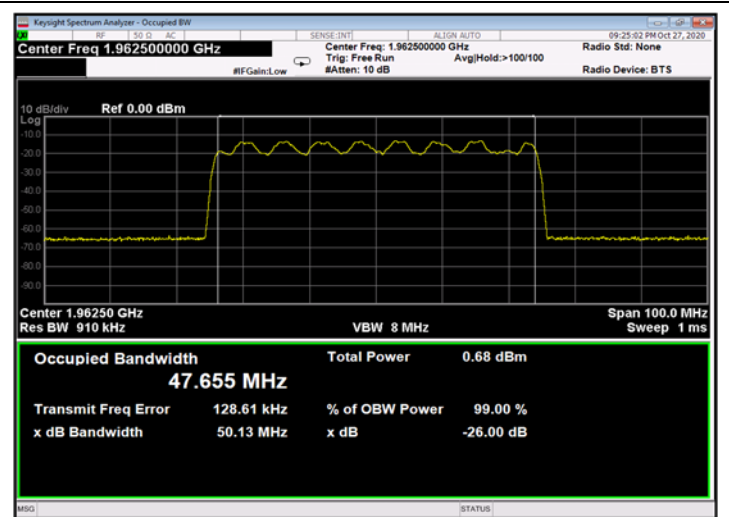


Figure 328: 16QAM 50MHz B.W.; 1962.5MHz, 30kHz - Input

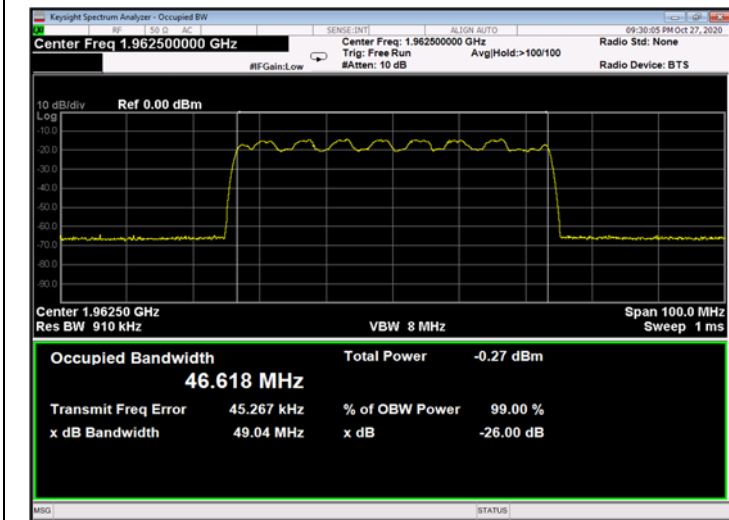


Figure 329: 16QAM 50MHz B.W.; 1962.5MHz, 60kHz - Input

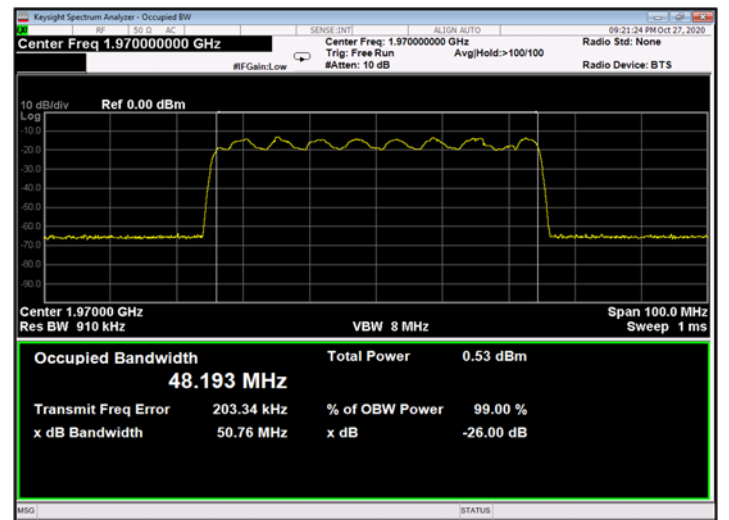


Figure 330: 16QAM 50MHz B.W.; 1970.0MHz, 15kHz - Input

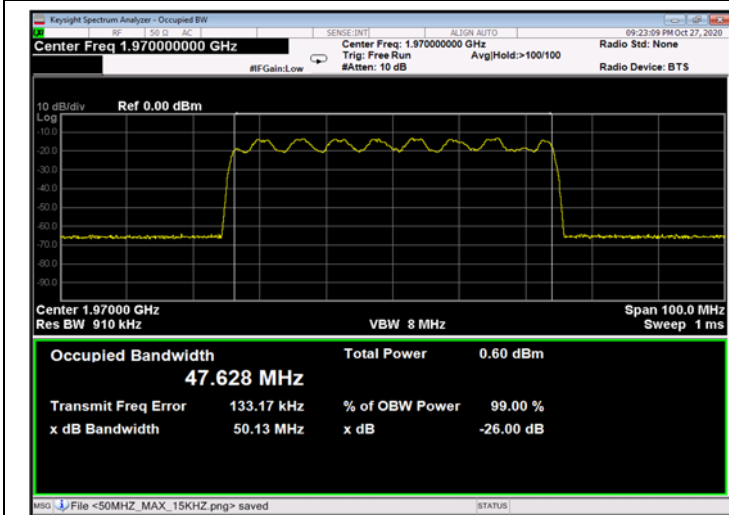


Figure 331: 16QAM 50MHz B.W.; 1970.0MHz, 30kHz - Input

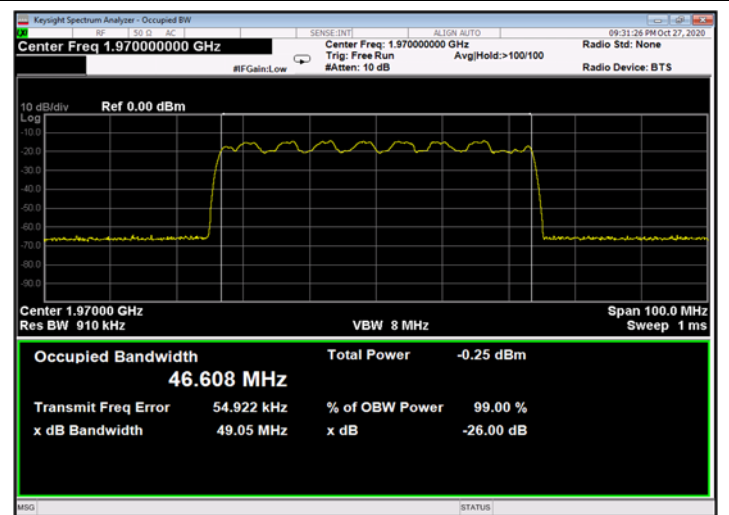


Figure 332: 16QAM 50MHz B.W.; 1970.0MHz, 60kHz - Input

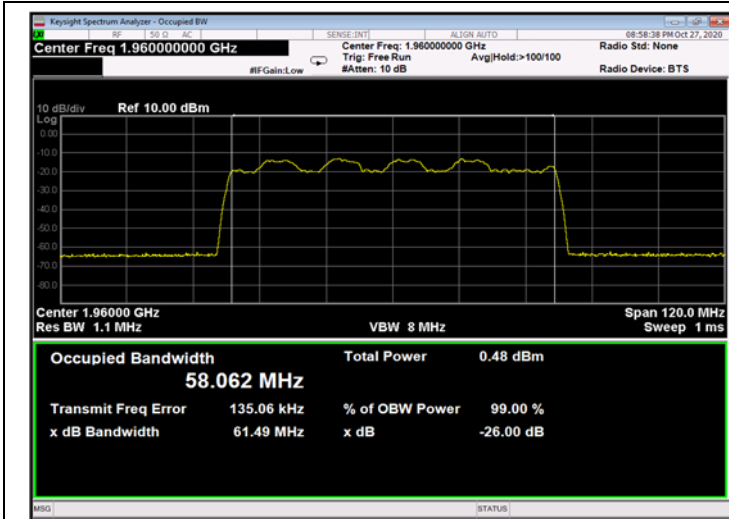


Figure 333: 16QAM 60MHz B.W.; 1960.0MHz, 30kHz - Input

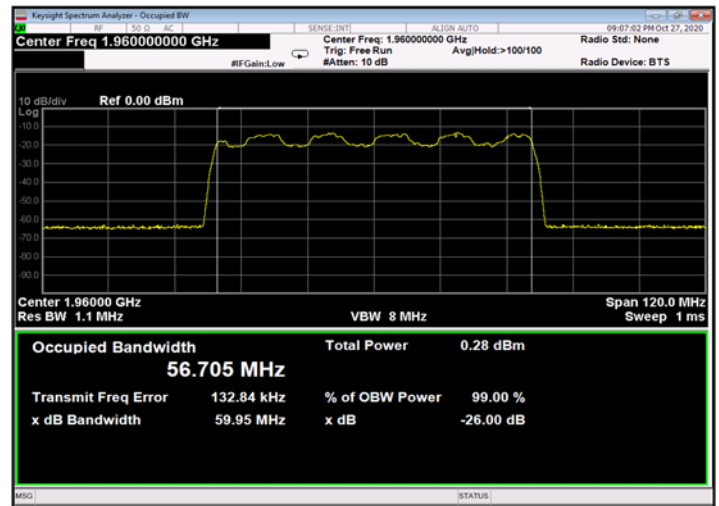


Figure 334: 16QAM 60MHz B.W.; 1960.0MHz, 60kHz - Input

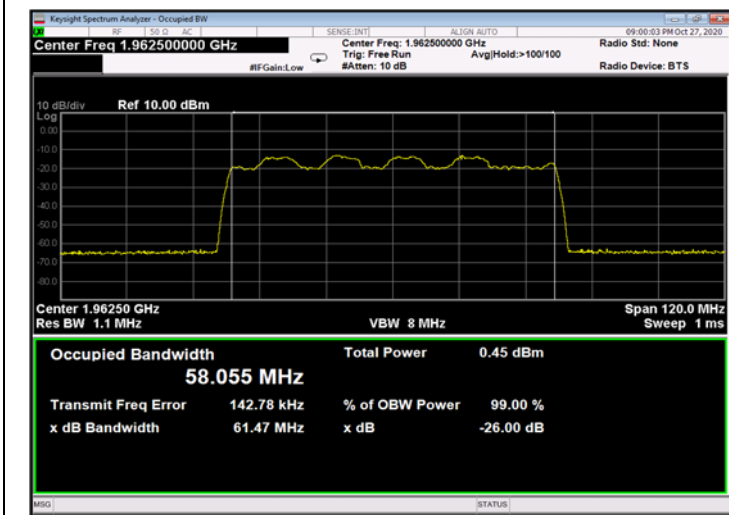


Figure 335: 16QAM 60MHz B.W.; 1962.5MHz, 30kHz - Input

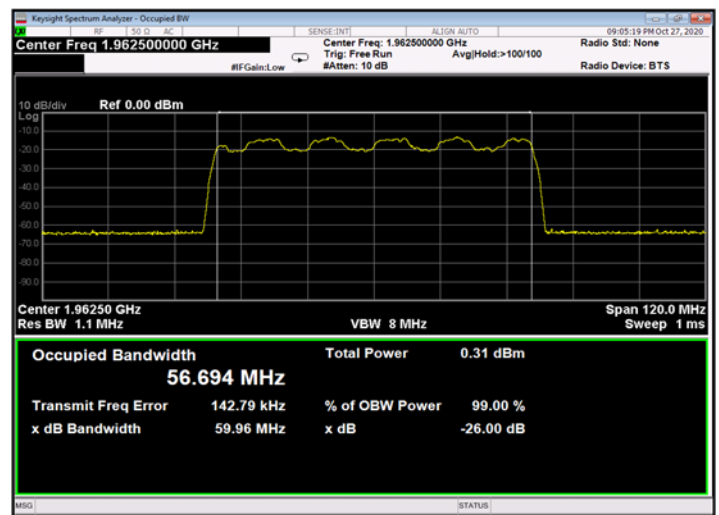


Figure 336: 16QAM 60MHz B.W.; 1962.5MHz, 60kHz - Input

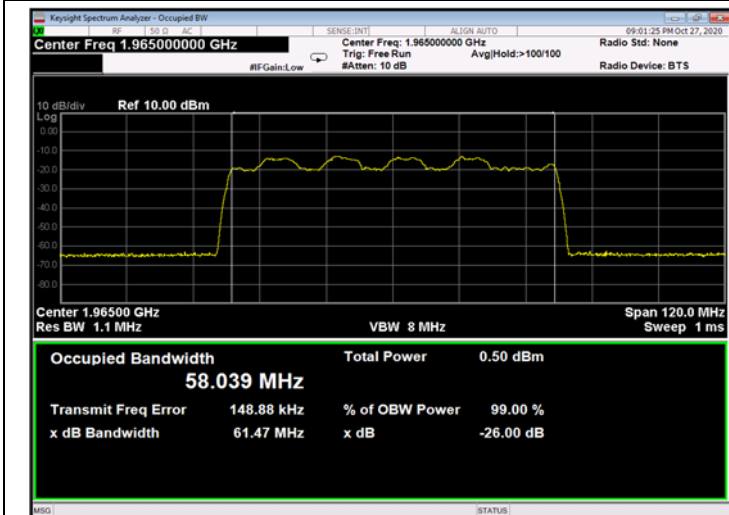


Figure 337: 16QAM 60MHz B.W.; 1965.0MHz, 30kHz - Input

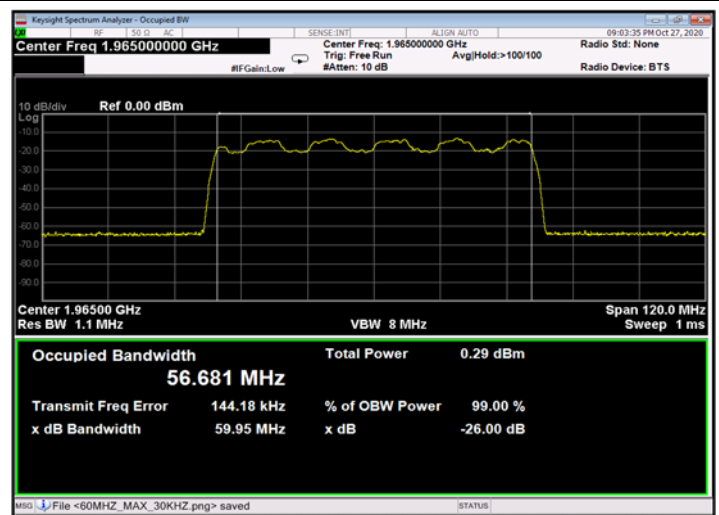


Figure 338: 16QAM 60MHz B.W.; 1965.0MHz, 60kHz - Input

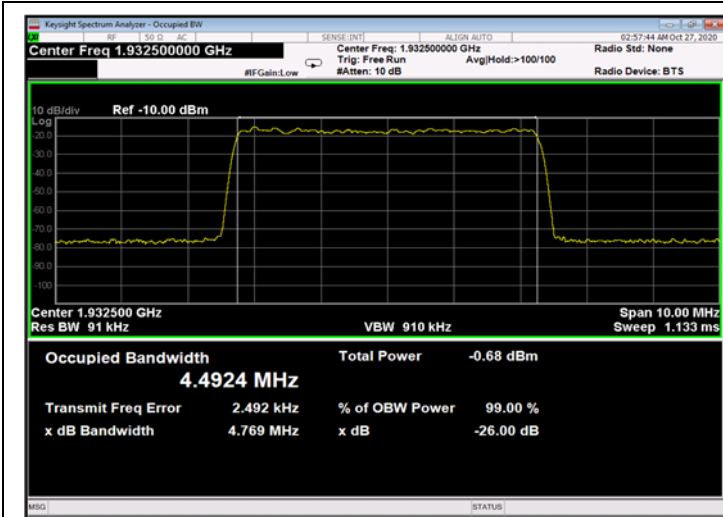


Figure 339: 64QAM 5MHz B.W.; 1932.5MHz, 15kHz - Input

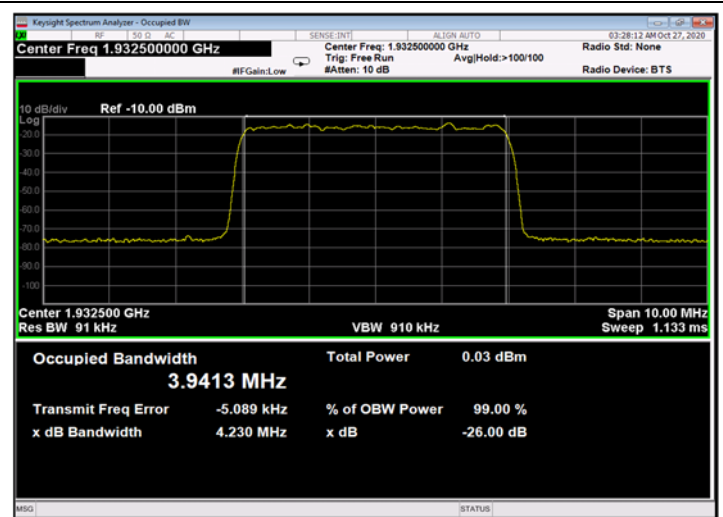


Figure 340: 64QAM 5MHz B.W.; 1932.5MHz, 30kHz - Input

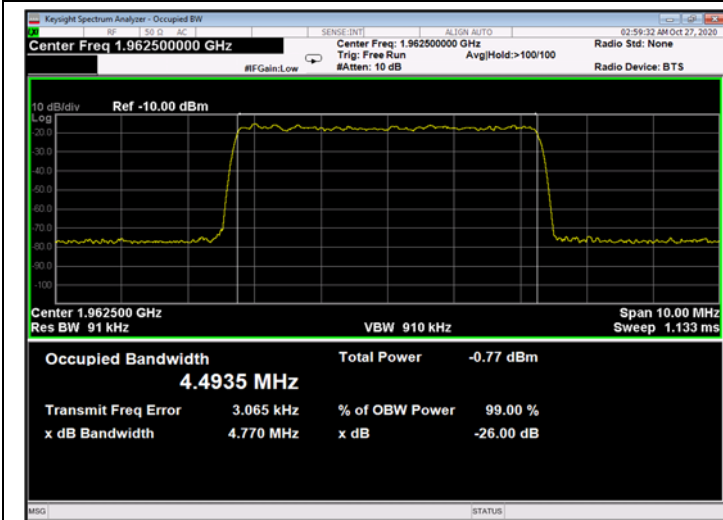


Figure 341: 64QAM 5MHz B.W.; 1962.5MHz, 15kHz - Input

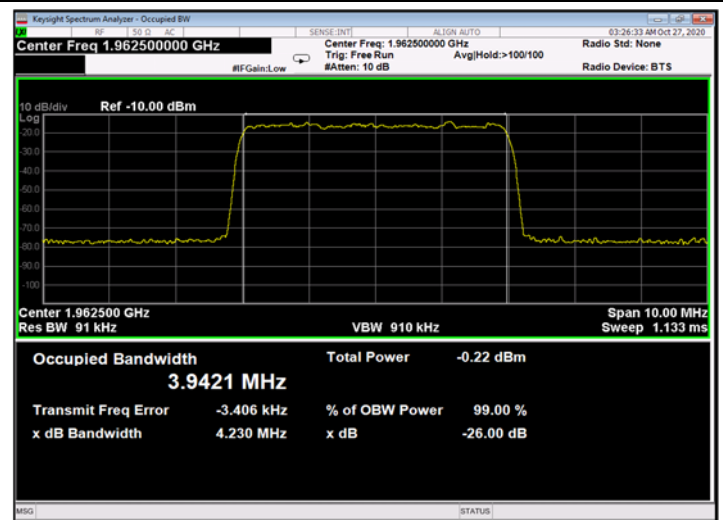


Figure 342: 64QAM 5MHz B.W.; 1962.5MHz, 30kHz - Input

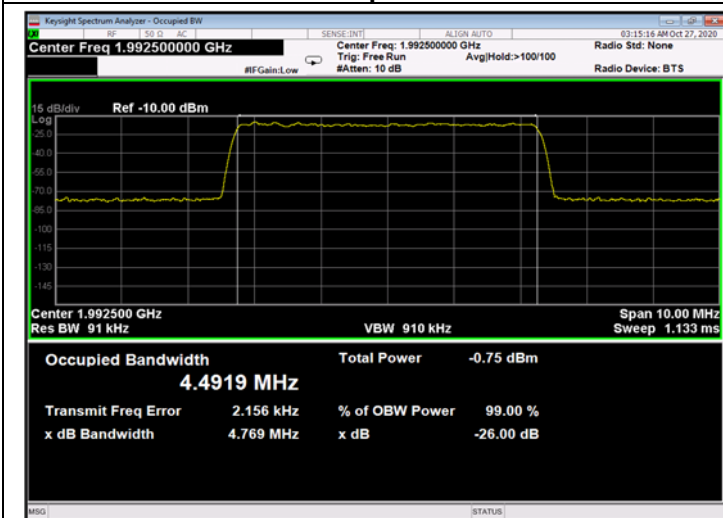


Figure 343: 64QAM 5MHz B.W.; 1992.5MHz, 15kHz - Input

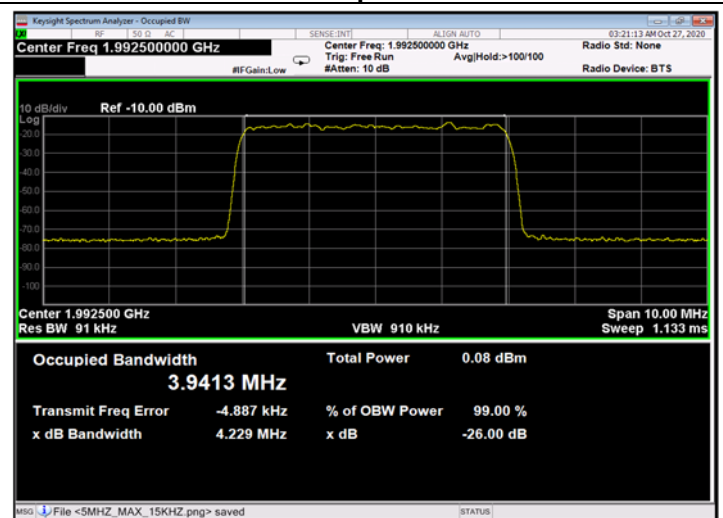


Figure 344: 64QAM 5MHz C.S; 1992.5MHz, 30kHz - Input