



7 Occupied Bandwidth

7.1 Test Specification

FCC Part 2, Section 1049

7.2 Test Procedure

(Temperature (22°C)/ Humidity (35%RH))

The E.U.T. antenna terminal was connected to the spectrum analyzer through an external attenuator and an appropriate coaxial cable (loss=20.8 dB). The spectrum analyzer was set to proper resolution B.W.

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

Occupied bandwidth measured was repeated in the input terminal of the E.U.T.

7.3 Test Limit

N/A

7.4 Test Results

JUDGEMENT: Passed

See additional information in Table 16 to Table 23 and Figure 359 to Figure 622.



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
16QAM	5	15	619.5	4.5287
		30	619.5	3.9871
		15	634.5	4.5359
		30	634.5	3.9867
		15	649.5	4.5337
		30	649.5	3.9815
	10	15	622.0	9.2954
		30	622.0	8.5888
		60	622.0	7.9890
		15	634.5	9.2949
		30	634.5	8.5816
		60	634.5	7.9848
		15	647.0	9.2979
		30	647.0	8.5926
	15	60	647.0	7.9891
		15	624.5	14.278
		30	624.5	13.733
		60	624.5	12.891
		15	634.5	14.271
		30	634.5	13.753
		60	634.5	12.896
		15	644.5	14.271
		30	644.5	13.748
	20	60	644.5	12.878
		15	627.0	19.037
		30	627.0	18.400
		60	627.0	17.172
		15	634.5	19.039
		30	634.5	18.416
		60	634.5	17.184
		15	642.0	19.050
		30	642.0	18.398
		60	642.0	17.174

Table 16 Occupied Bandwidth 16 QAM Input



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading	
	(MHz)	(kHz)	(MHz)	(MHz)	
16QAM	5	15	619.5	4.5385	
		30	619.5	4.0006	
		15	634.5	4.5639	
		30	634.5	4.0084	
		15	649.5	4.5345	
		30	649.5	4.0009	
	10	10	15	622.0	9.3002
			30	622.0	8.5961
			60	622.0	7.9765
			15	634.5	9.3231
			30	634.5	8.6022
			60	634.5	7.9886
			15	647.0	9.2660
			30	647.0	8.5748
			60	647.0	7.9719
	15	15	15	624.5	14.262
			30	624.5	13.751
			60	624.5	12.884
			15	634.5	14.289
			30	634.5	13.771
			60	634.5	12.885
			15	644.5	14.235
			30	644.5	13.711
			60	644.5	12.836
	20	20	15	627.0	19.069
			30	627.0	18.390
			60	627.0	17.179
			15	634.5	19.116
			30	634.5	18.398
			60	634.5	17.163
			15	642.0	19.058
			30	642.0	18.398
			60	642.0	17.101

Table 17 Occupied Bandwidth 16QAM Output



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading	
	(MHz)	(kHz)	(MHz)	(MHz)	
64QAM	5	15	619.5	4.5018	
		30	619.5	3.9869	
		15	634.5	4.4999	
		30	634.5	3.9850	
		15	649.5	4.5023	
		30	649.5	3.9873	
	10	10	15	622.0	9.3187
			30	622.0	8.6257
			60	622.0	7.9432
			15	634.5	9.3180
			30	634.5	8.6223
			60	634.5	7.9414
			15	647.0	9.3162
			30	647.0	8.6264
			60	647.0	7.9374
	15	15	15	624.5	14.159
			30	624.5	13.672
			60	624.5	12.930
			15	634.5	14.147
			30	634.5	13.663
			60	634.5	12.948
			15	644.5	14.158
			30	644.5	13.674
			60	644.5	12.919
	20	20	15	627.0	18.942
			30	627.0	18.277
			60	627.0	17.253
			15	634.5	18.943
			30	634.5	18.329
			60	634.5	17.252
			15	642.0	18.956
			30	642.0	18.282
			60	642.0	17.240

Table 18 Occupied Bandwidth 64QAM Input



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
64QAM	5	15	619.5	4.5194
		30	619.5	4.0091
		15	634.5	4.5277
		30	634.5	4.0151
		15	649.5	4.5213
		30	649.5	4.0059
	10	15	622.0	9.3090
		30	622.0	8.6086
		60	622.0	7.9292
		15	634.5	9.3192
		30	634.5	8.6203
		60	634.5	7.9432
		15	647.0	9.2919
		30	647.0	8.6089
		60	647.0	7.9252
	15	15	624.5	14.140
		30	624.5	13.650
		60	624.5	12.919
		15	634.5	14.147
		30	634.5	13.667
		60	634.5	12.923
		15	644.5	14.112
		30	644.5	13.638
		60	644.5	12.903
	20	15	627.0	18.916
		30	627.0	18.297
		60	627.0	17.217
		15	634.5	18.915
		30	634.5	18.275
		60	634.5	17.222
		15	642.0	18.868
		30	642.0	18.232
		60	642.0	17.194

Table 19 Occupied Bandwidth 64QAM Output



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading	
	(MHz)	(kHz)	(MHz)	(MHz)	
256AM	5	15	619.5	4.5153	
		30	619.5	3.9820	
		15	634.5	4.5141	
		30	634.5	3.9841	
		15	649.5	4.5189	
		30	649.5	3.9827	
	10	15	622.0	9.3139	
			30	622.0	8.6673
			60	622.0	7.9466
		30	634.5	9.3344	
			634.5	8.6594	
			634.5	7.9447	
		60	647.0	9.3260	
			647.0	8.6662	
			647.0	7.9448	
	15	15	624.5	14.251	
			30	624.5	13.684
			60	624.5	13.080
		30	634.5	14.229	
			634.5	13.668	
			634.5	13.066	
		60	644.5	14.253	
			644.5	13.707	
			644.5	13.063	
	20	15	627.0	18.963	
			30	627.0	18.305
			60	627.0	17.330
		30	634.5	18.956	
			634.5	18.313	
			634.5	17.326	
		60	642.0	18.947	
			642.0	18.290	
			642.0	17.334	

Table 20 Occupied Bandwidth 256QAM Input



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
256QAM	5	15	619.5	4.5389
		30	619.5	3.9980
		15	634.5	4.5493
		30	634.5	4.0054
		15	649.5	4.5323
		30	649.5	3.9993
	10	15	622.0	9.3549
		30	622.0	8.6985
		60	622.0	8.0099
		15	634.5	9.3753
		30	634.5	8.7116
		60	634.5	8.0180
		15	647.0	9.486
		30	647.0	8.6866
	15	60	647.0	7.9919
		15	624.5	14.320
		30	624.5	13.744
		60	624.5	13.136
		15	634.5	14.296
		30	634.5	13.763
		60	634.5	13.133
		15	644.5	14.268
		30	644.5	13.686
	20	60	644.5	13.112
		15	627.0	19.012
		30	627.0	18.358
		60	627.0	17.387
		15	634.5	19.046
		30	634.5	18.356
		60	634.5	17.396
		15	642.0	18.984
		30	642.0	18.304
	60	642.0	17.325	

Table 21 Occupied Bandwidth 256QAM Output



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading	
	(MHz)	(kHz)	(MHz)	(MHz)	
QPSK	5	15	619.5	4.4983	
		30	619.5	3.9814	
		15	634.5	4.4962	
		30	634.5	3.9820	
		15	649.5	4.4941	
		30	649.5	3.9831	
	10	10	15	622.0	9.2995
			30	622.0	8.6478
			60	622.0	7.9503
			15	634.5	9.2980
			30	634.5	8.6423
			60	634.5	7.9456
			15	647.0	9.2975
			30	647.0	8.6460
			60	647.0	7.9495
	15	15	15	624.5	14.221
			30	624.5	13.770
			60	624.5	13.065
			15	634.5	14.223
			30	634.5	13.771
			60	634.5	13.065
			15	644.5	14.222
			30	644.5	13.771
			60	644.5	13.066
	20	20	15	627.0	18.902
			30	627.0	18.279
			60	627.0	17.295
			15	634.5	18.895
			30	634.5	18.273
			60	634.5	17.296
			15	642.0	18.895
			30	642.0	18.274
			60	642.0	17.291

Table 22 Occupied Bandwidth QPSK Input



Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
QPSK	5	15	619.5	4.5128
		30	619.5	4.0109
		15	634.5	4.5219
		30	634.5	4.0140
		15	649.5	4.5136
		30	649.5	3.9987
	10	15	622.0	9.2978
		30	622.0	8.6544
		60	622.0	7.9611
		15	634.5	9.3104
		30	634.5	8.6626
		60	634.5	7.9638
		15	647.0	9.2830
		30	647.0	8.6483
		60	647.0	7.9428
	15	15	624.5	14.290
		30	624.5	13.870
		60	624.5	13.116
		15	634.5	14.290
		30	634.5	13.919
		60	634.5	13.127
		15	644.5	14.257
		30	644.5	13.918
		60	644.5	13.077
	20	15	627.0	18.967
		30	627.0	18.366
		60	627.0	17.411
		15	634.5	18.995
		30	634.5	18.362
		60	634.5	17.434
		15	642.0	18.886
		30	642.0	18.298
		60	642.0	17.398

Table 23 Occupied Bandwidth QPSK Output

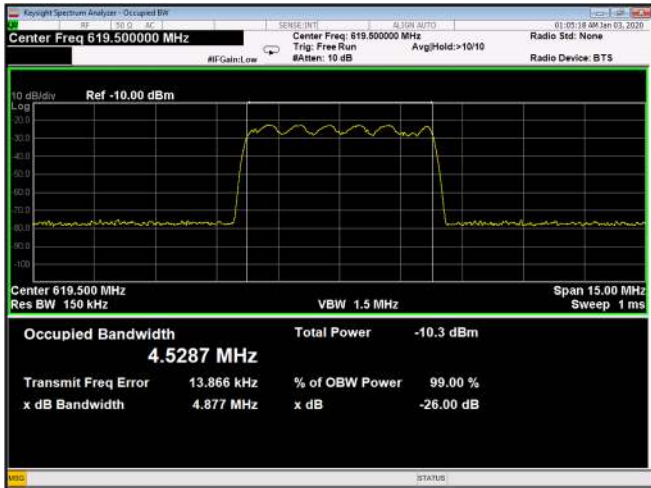


Figure 359: 16QAM 5MHz B.W; 619.5MHz, 15kHz Input

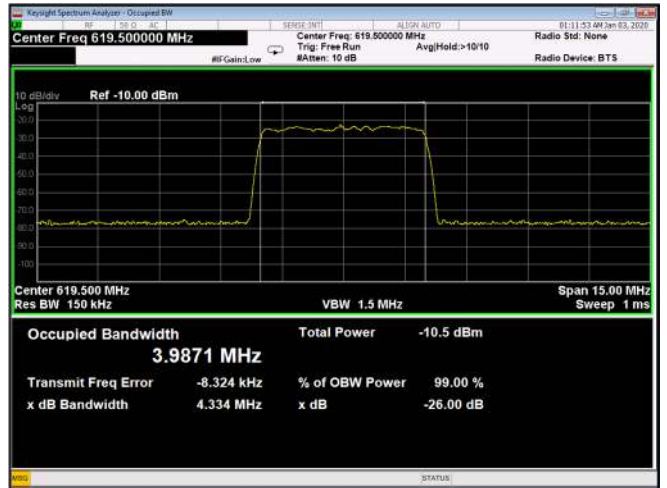


Figure 360: 16QAM 5MHz B.W; 619.5MHz, 30kHz Input

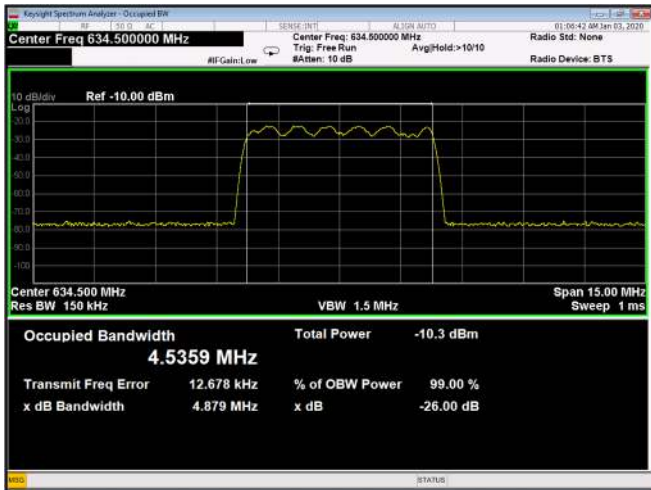


Figure 361: 16QAM 5MHz B.W; 634.5MHz, 15kHz Input

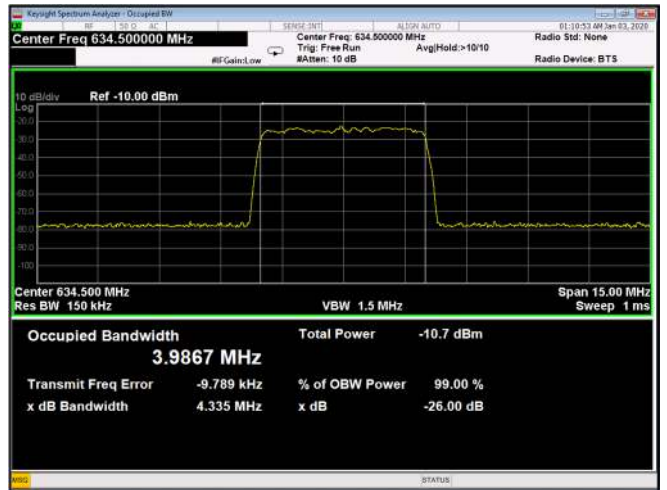


Figure 362: 16QAM 5MHz B.W; 634.5MHz, 30kHz Input

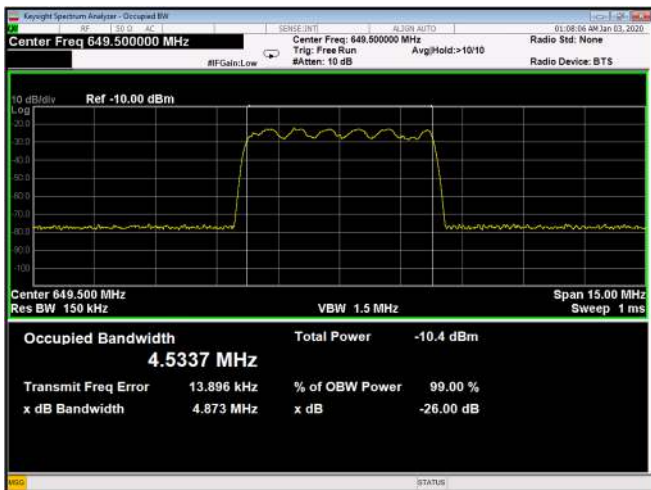


Figure 363: 16QAM 5MHz B.W; 649.5MHz, 15kHz Input

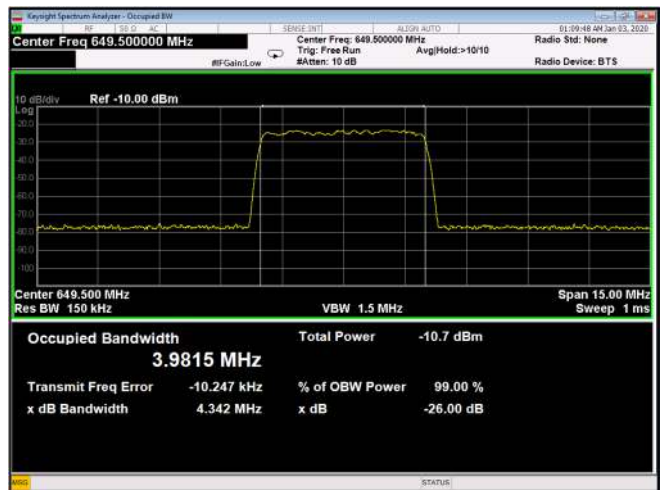


Figure 364: 16QAM 5MHz C.S; 649.5MHz, 30kHz Input

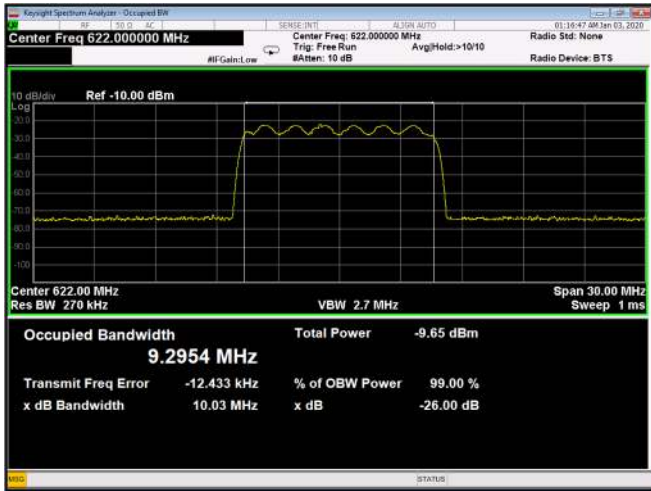


Figure 365: 16QAM 10MHz B.W; 622.0MHz, 15kHz Input

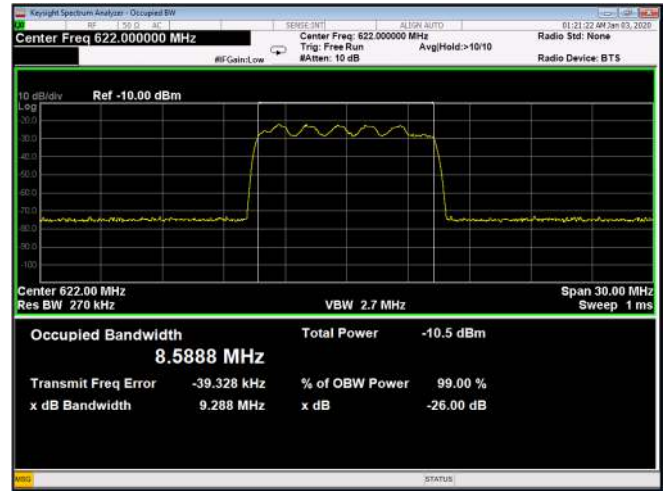


Figure 366: 16QAM 10MHz B.W; 622.0MHz, 30kHz Input

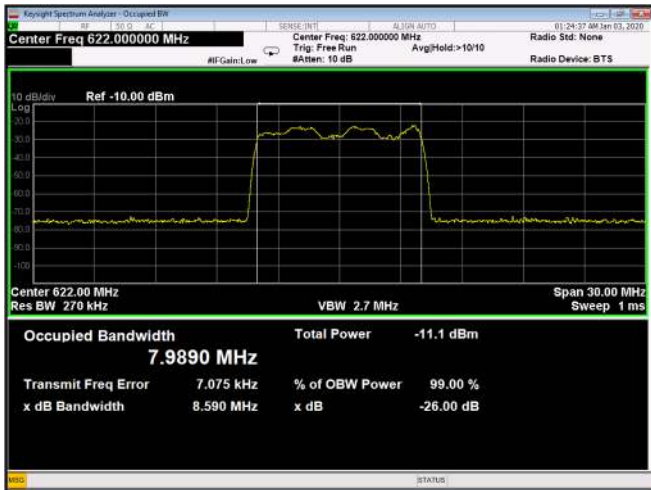


Figure 367: 16QAM 10MHz B.W; 622.0MHz, 60kHz Input

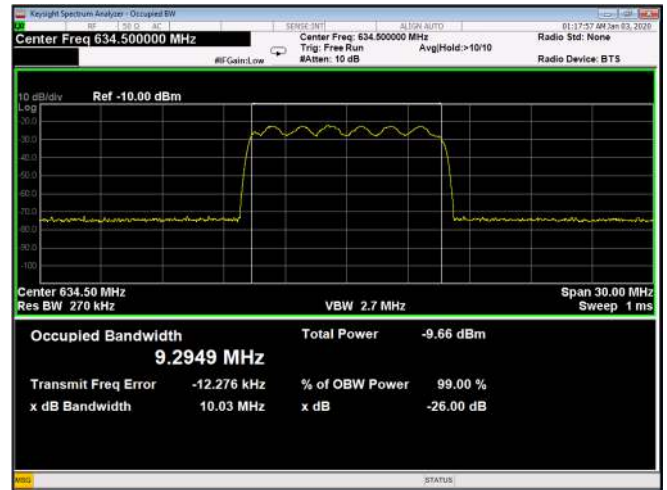


Figure 368: 16QAM 10MHz B.W; 634.5MHz, 15kHz Input

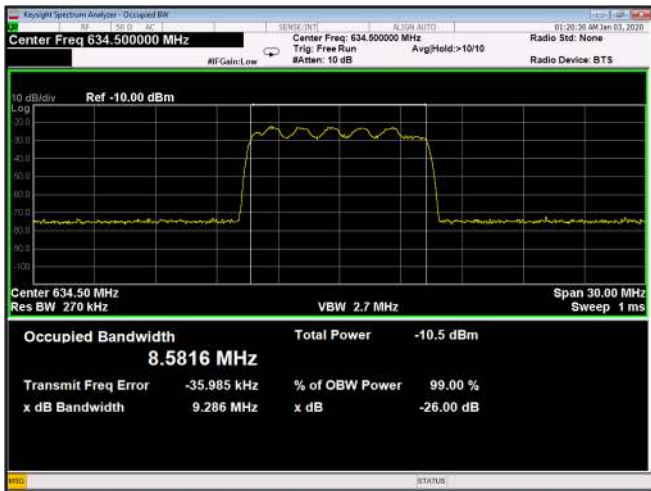


Figure 369: 16QAM 10MHz B.W; 634.5MHz, 30kHz Input

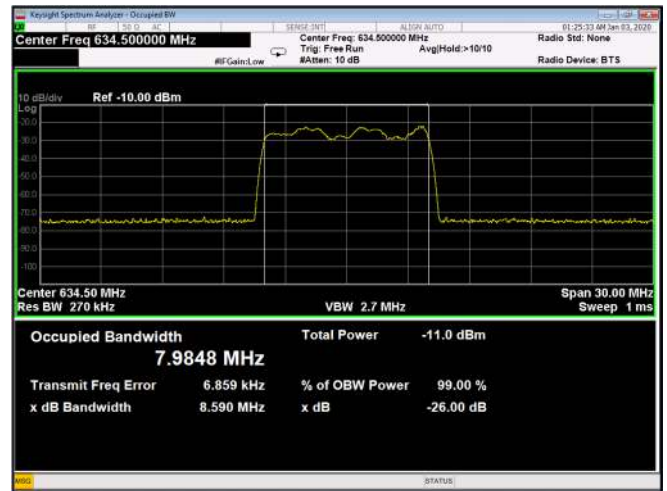


Figure 370: 16QAM 10MHz B.W; 634.5MHz, 60kHz Input

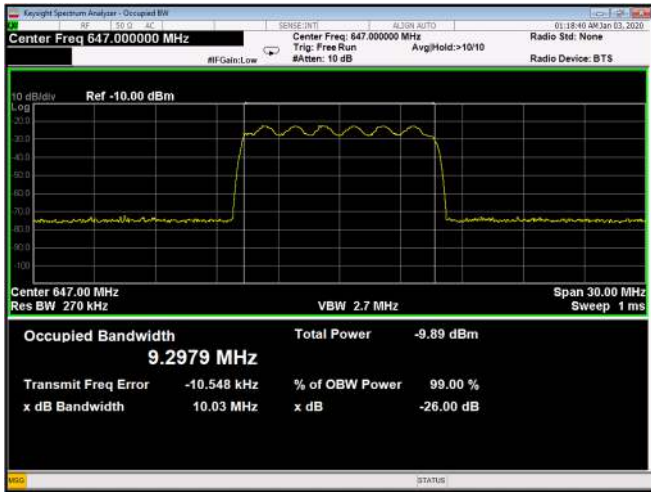


Figure 371: 16QAM 10MHz B.W; 647.0MHz, 15kHz Input

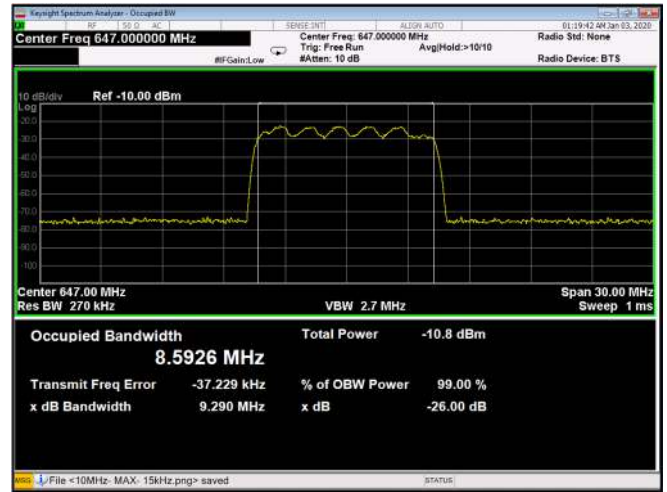


Figure 372: 16QAM 10MHz C.S; 647.0MHz, 30kHz Input

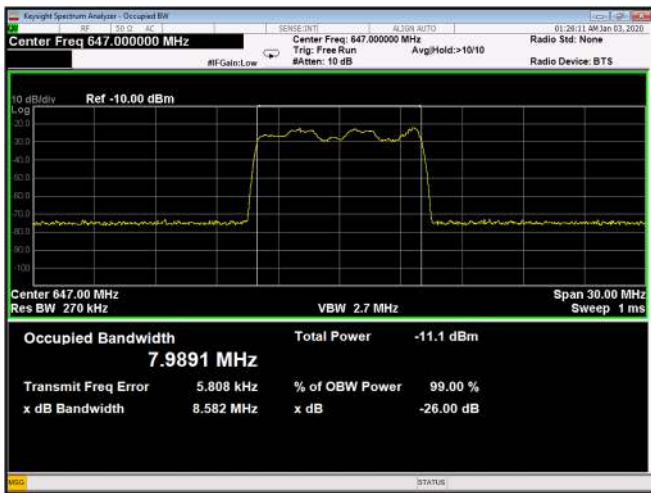


Figure 373: 16QAM 10MHz B.W; 647.0MHz, 60kHz Input

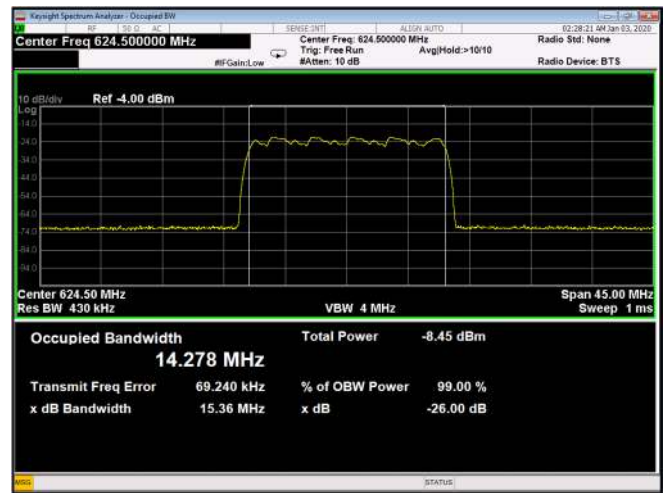


Figure 374: 16QAM 15MHz B.W; 624.5MHz, 15kHz Input

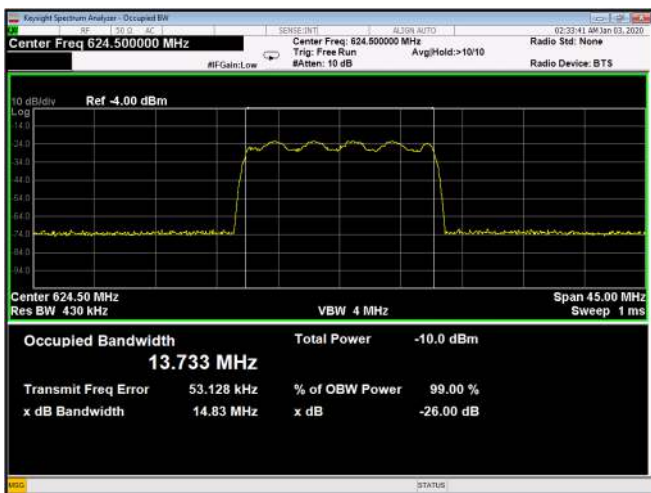


Figure 375: 16QAM 15MHz B.W; 624.5MHz, 30kHz Input

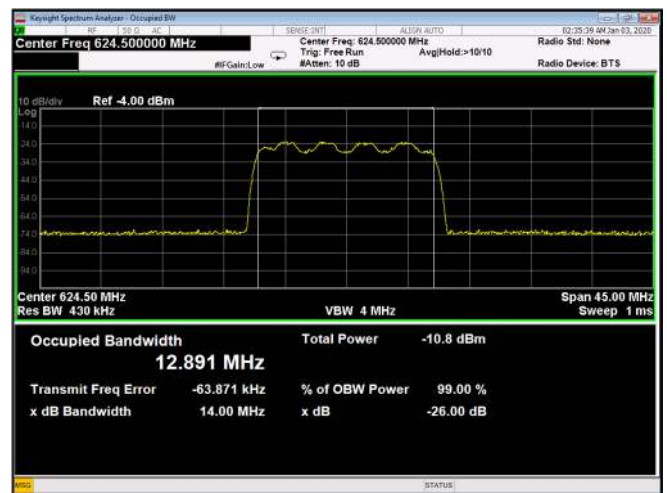


Figure 376: 16QAM 15MHz B.W; 624.5MHz, 60kHz Input

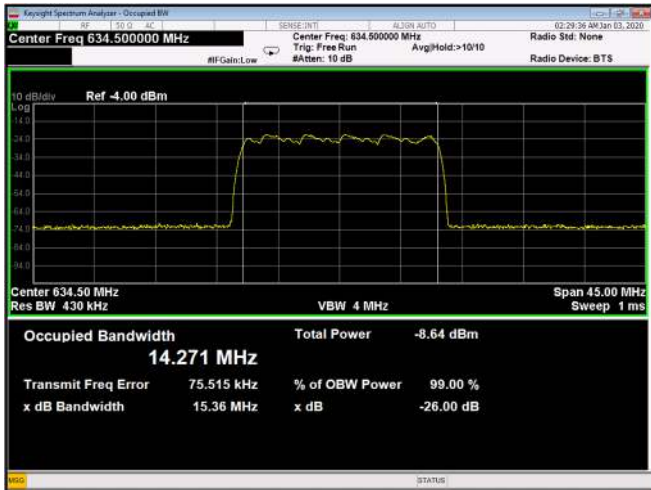


Figure 377: 16QAM 15MHz B.W; 634.5MHz, 15kHz Input

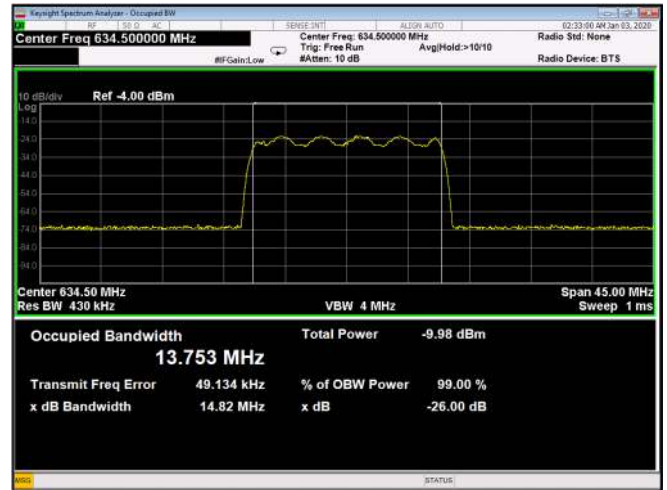


Figure 378: 16QAM 15MHz B.W; 634.5MHz, 30 kHz Input

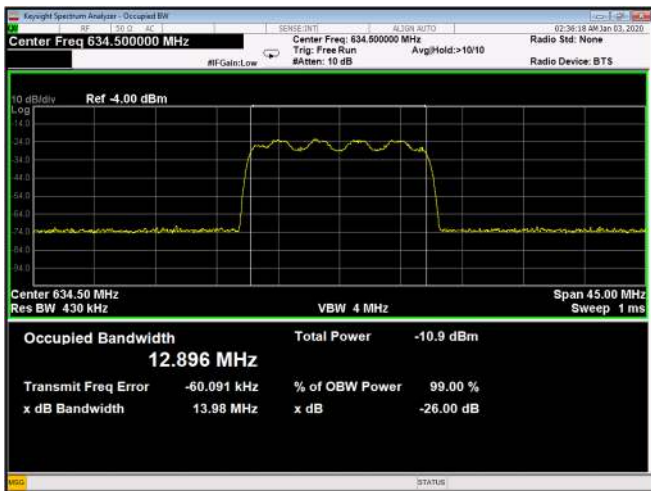


Figure 379: 16QAM 15MHz B.W; 634.5MHz, 60kHz Input

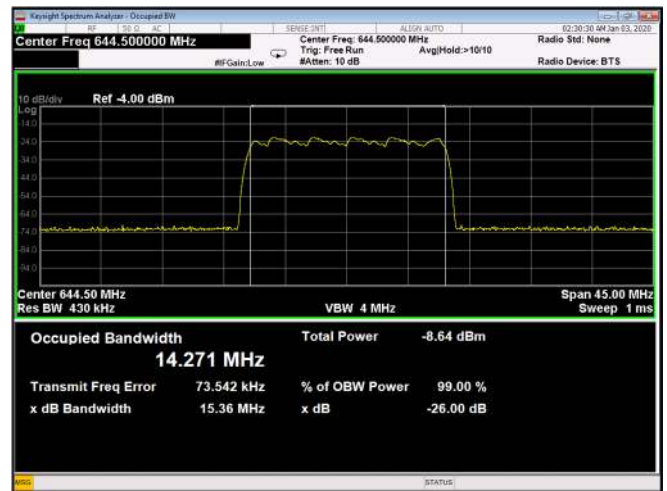


Figure 380: 16QAM 15MHz B.W; 644.5MHz, 15kHz Input

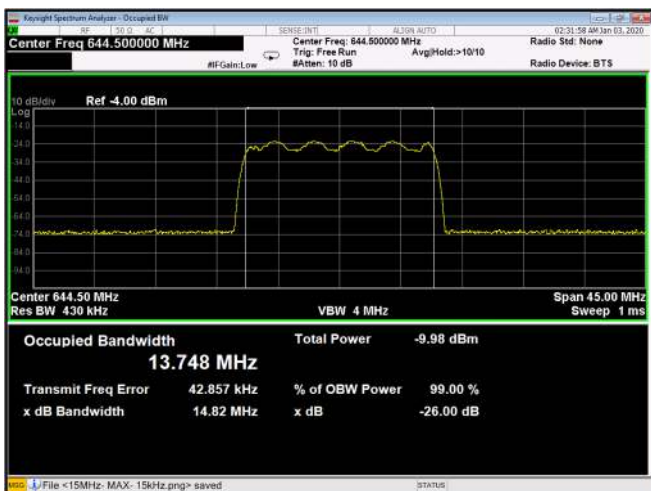


Figure 381: 16QAM 15MHz B.W; 644.5MHz, 30kHz Input

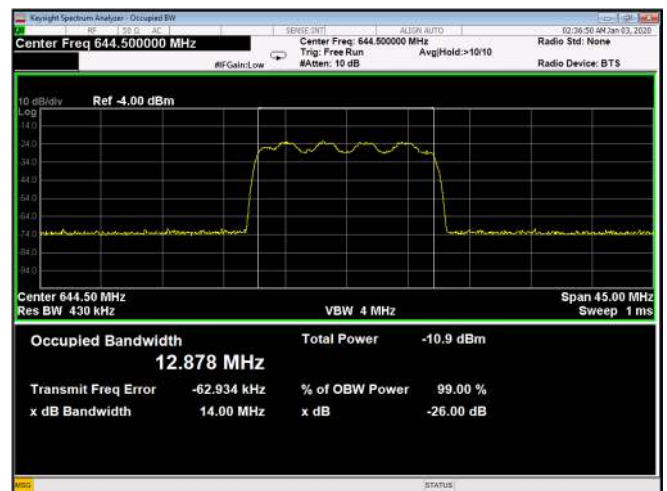


Figure 382: 16QAM 15MHz; 644.5MHz, 60kHz Input

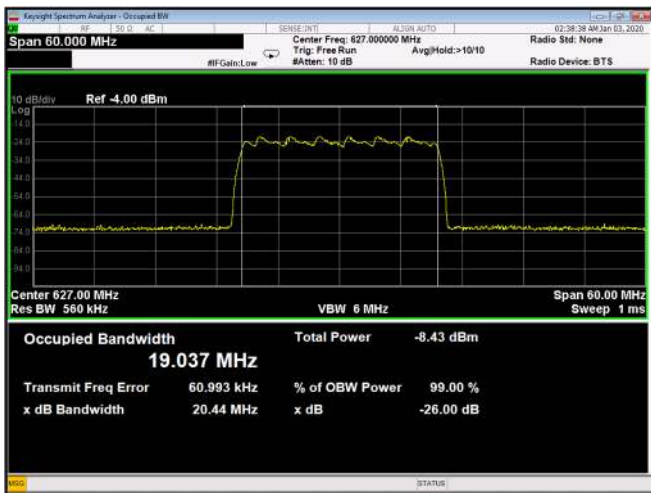


Figure 383: 16QAM 20MHz B.W; 627.0MHz, 15 kHz Input

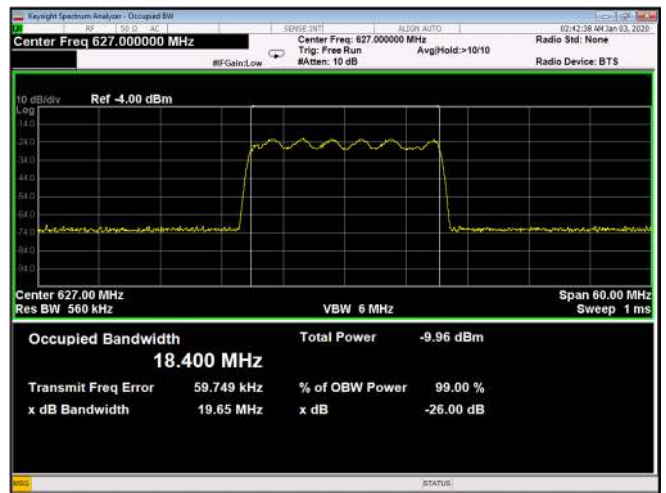


Figure 384: 16QAM 20MHz B.W; 627.0MHz, 30kHz Input

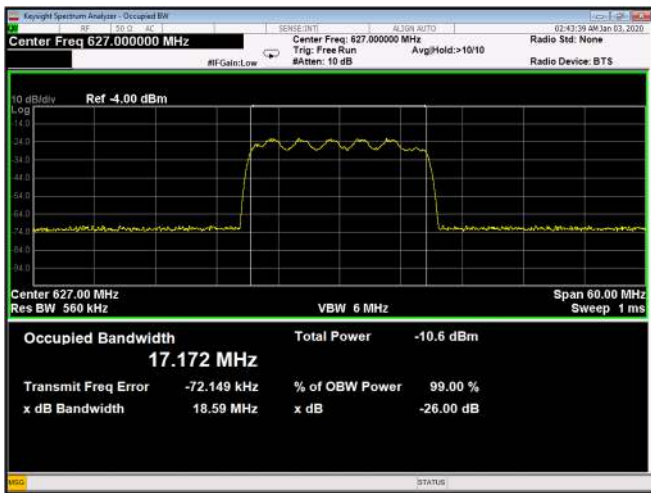


Figure 385: 16QAM 20MHz B.W; 627.0MHz, 60kHz Input

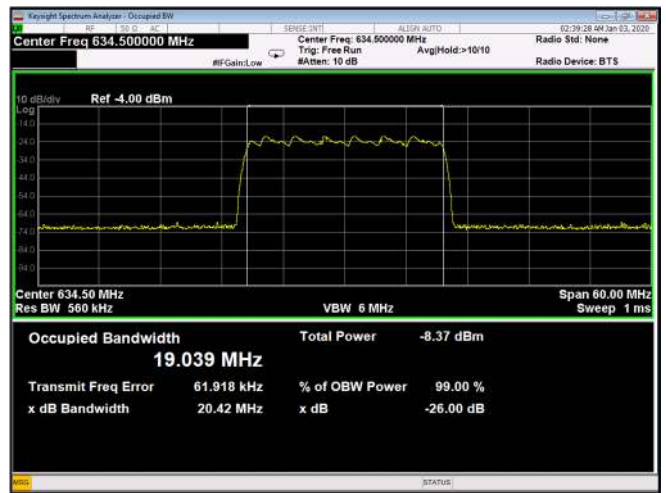


Figure 386: 16QAM 20MHz B.W; 634.5MHz, 15kHz Input

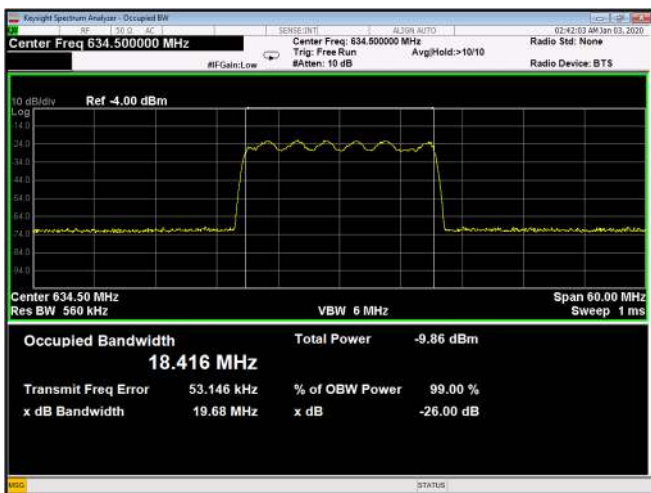


Figure 387: 16QAM 20MHz B.W; 634.5MHz, 30kHz Input

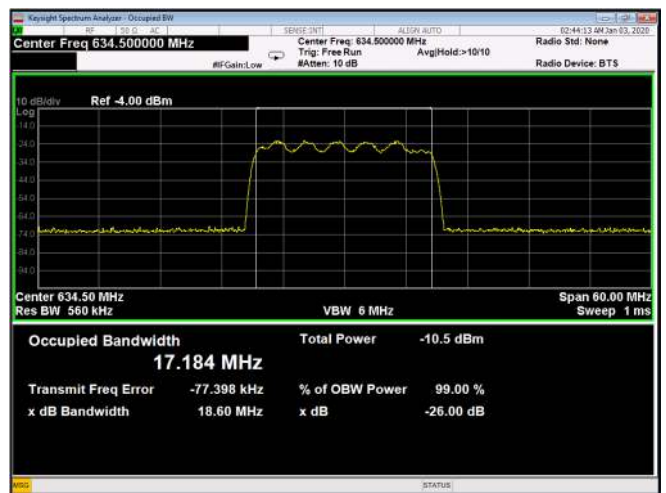


Figure 388: 16QAM 20MHz B.W; 634.5MHz, 60kHz Input

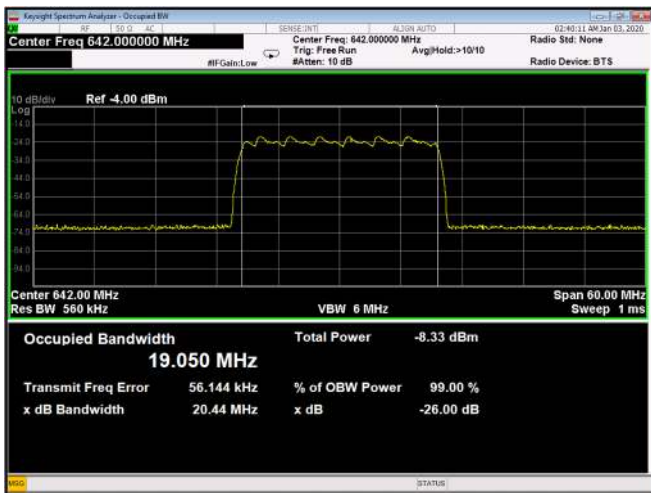


Figure 389: 16QAM 20MHz B.W; 642.0MHz, 15kHz Input

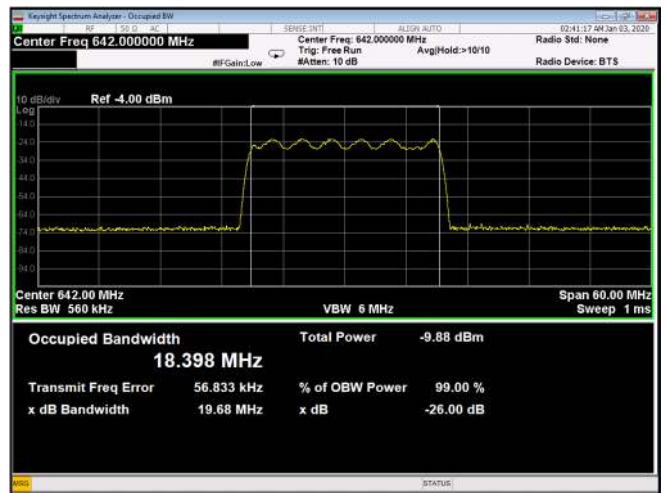


Figure 390: 16QAM 20MHz B.W; 642.0MHz, 30kHz Input

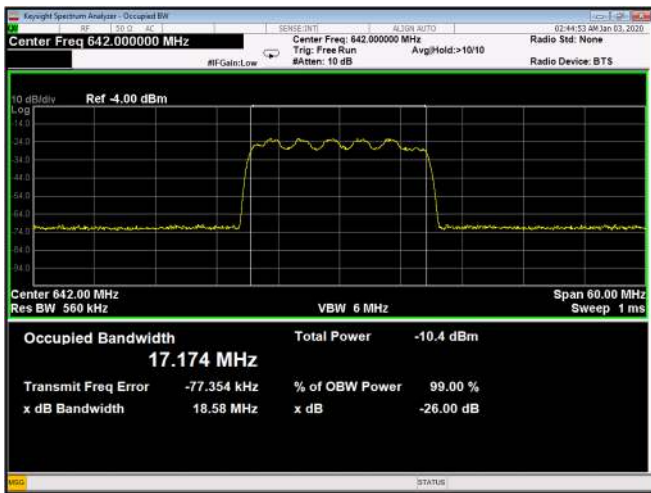


Figure 391: 16QAM 20MHz B.W; 642.0MHz, 60kHz Input

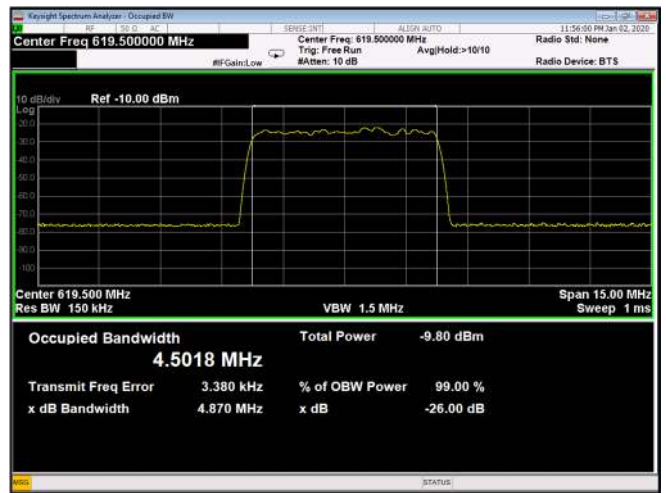


Figure 392: 64QAM 5MHz B.W; 619.5MHz, 15kHz Input

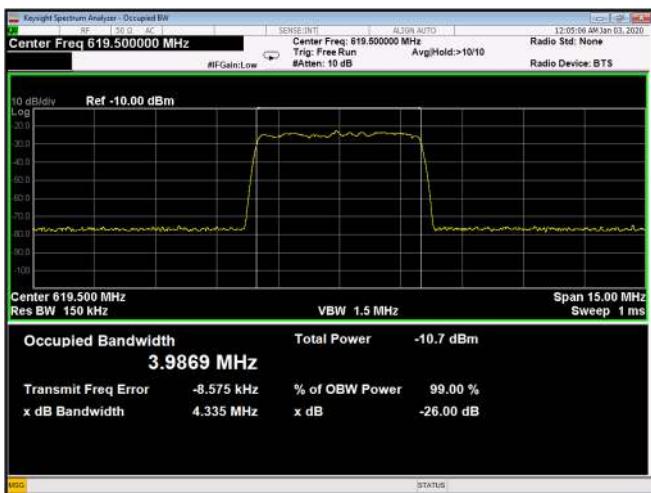


Figure 393: 64QAM 5MHz B.W; 619.5MHz, 30kHz Input

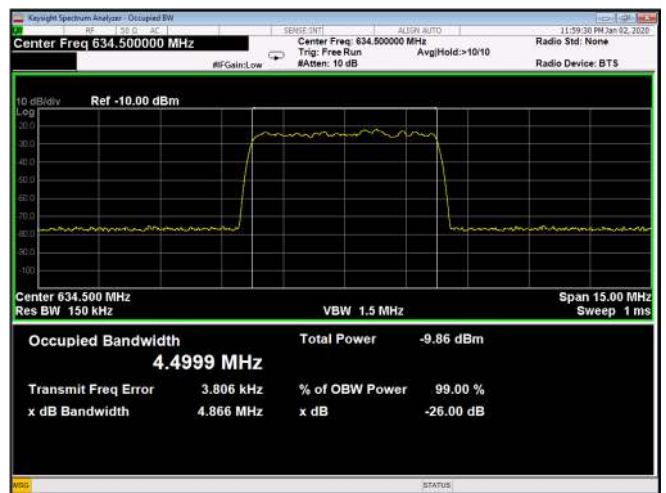


Figure 394: 64QAM 5MHz B.W; 634.5MHz, 15kHz Input

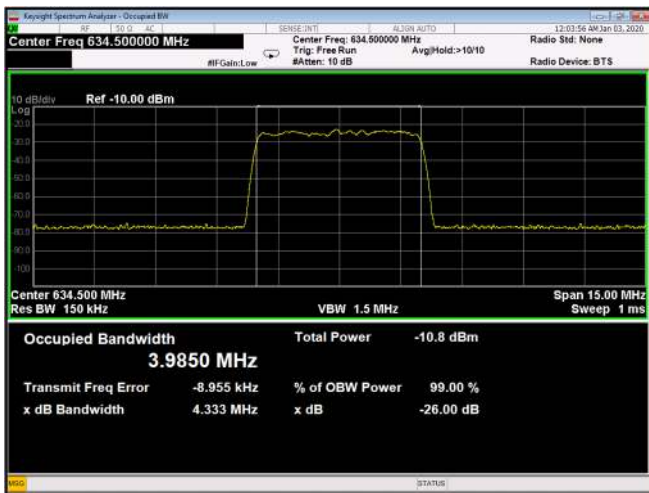


Figure 395: 64QAM 5MHz B.W; 634.5MHz, 30kHz Input

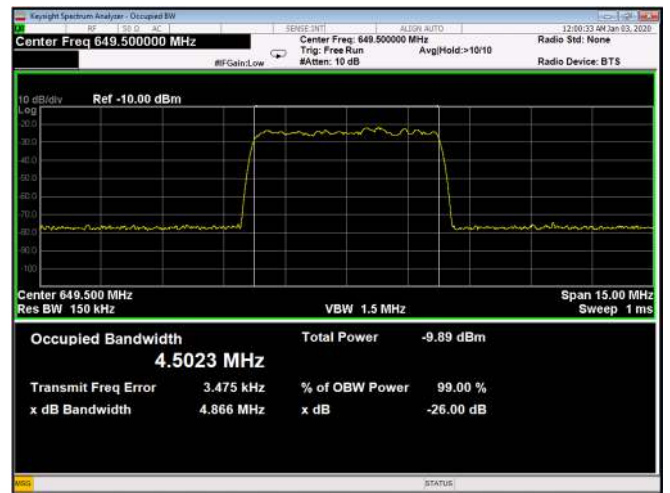


Figure 396: 64QAM 5MHz B.W; 649.5MHz, 15kHz Input

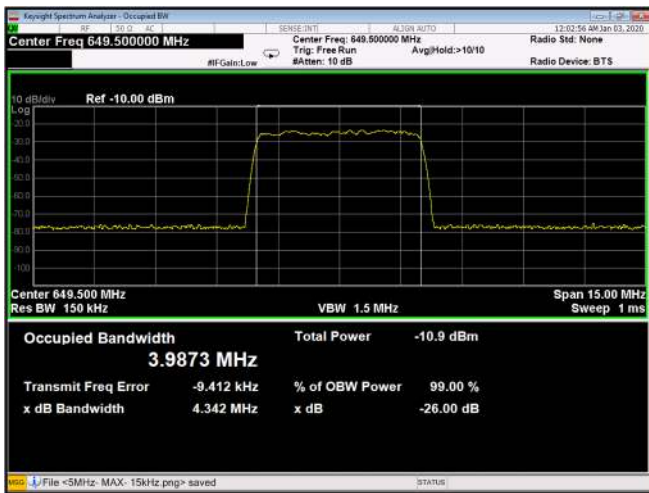


Figure 397: 64QAM 5MHz B.W; 649.5MHz, 30kHz Input

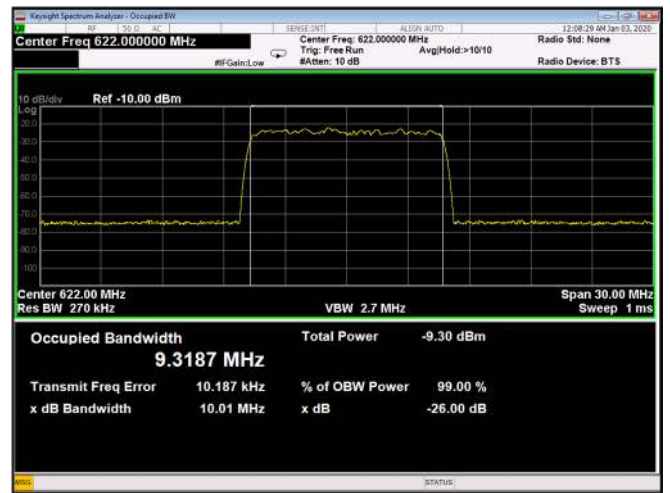


Figure 398: 64QAM 10MHz B.W; 622.0MHz, 15kHz Input

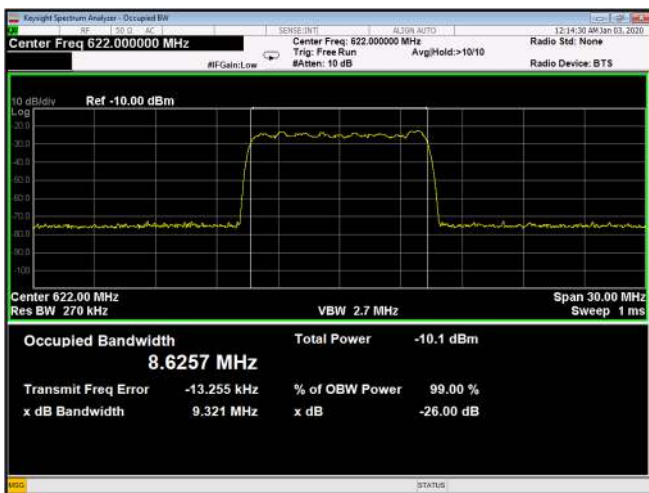


Figure 399: 64QAM 10MHz B.W; 622.0MHz, 60kHz Input

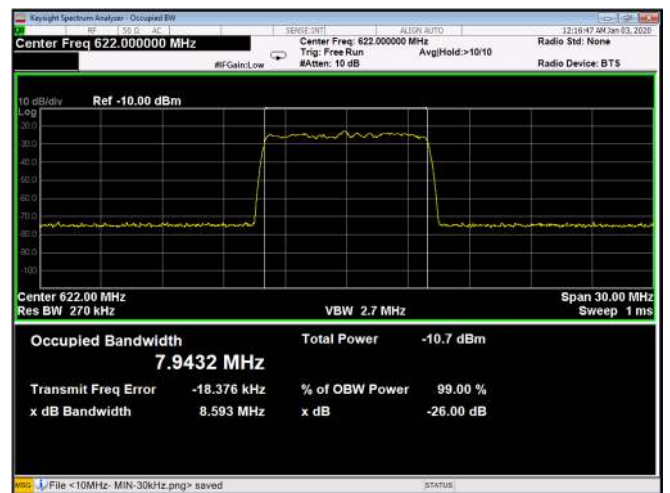


Figure 400: 64QAM 10MHz B.W; 622.0MHz, 60kHz Input

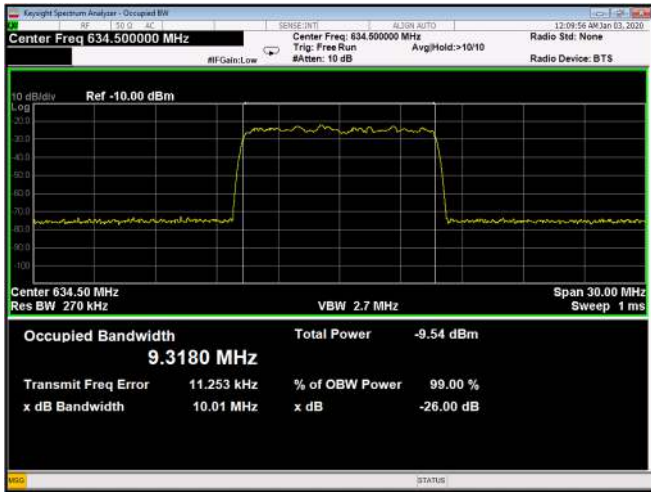


Figure 401: 64QAM 10MHz B.W; 634.5MHz, 15kHz Input

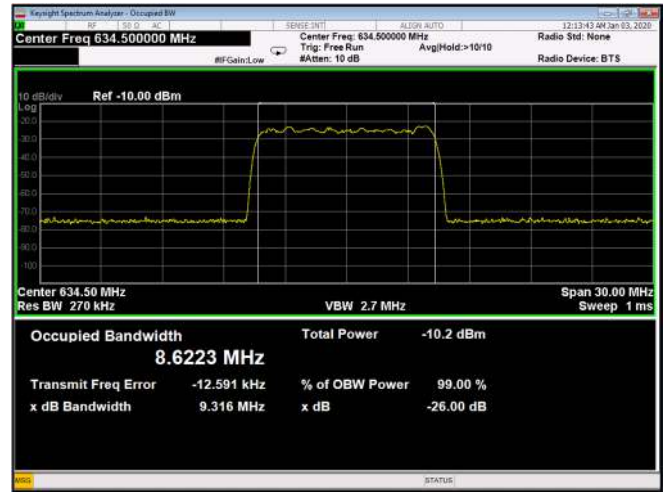


Figure 402: 64QAM 10MHz B.W; 634.5MHz, 30kHz Input

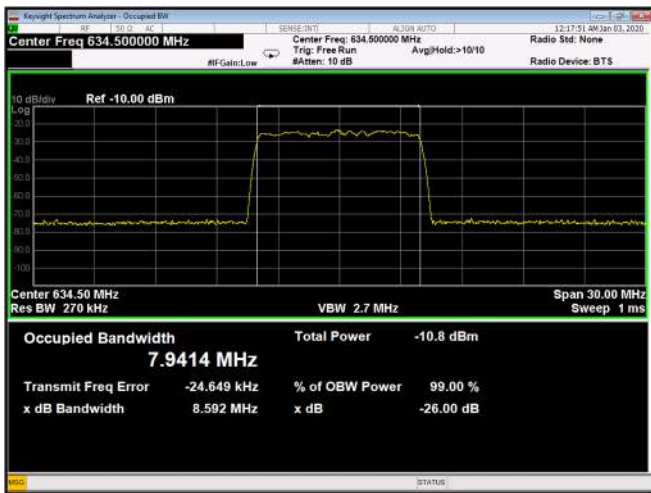


Figure 403: 64QAM 10MHz B.W; 634.5MHz, 60kHz Input

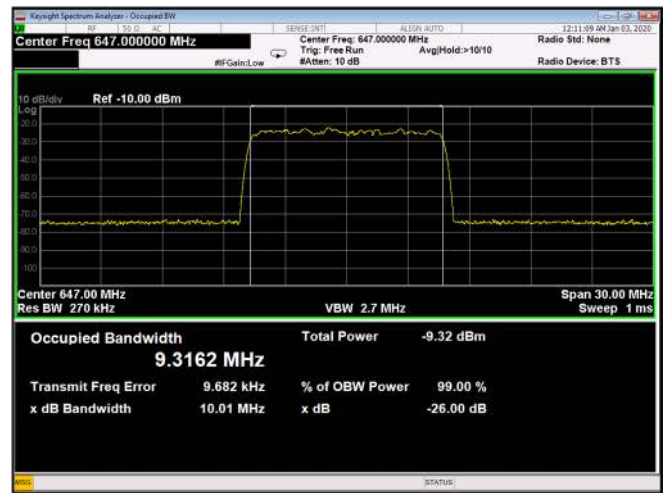


Figure 404: 64QAM 10MHz B.W; 647.0MHz, 15kHz Input

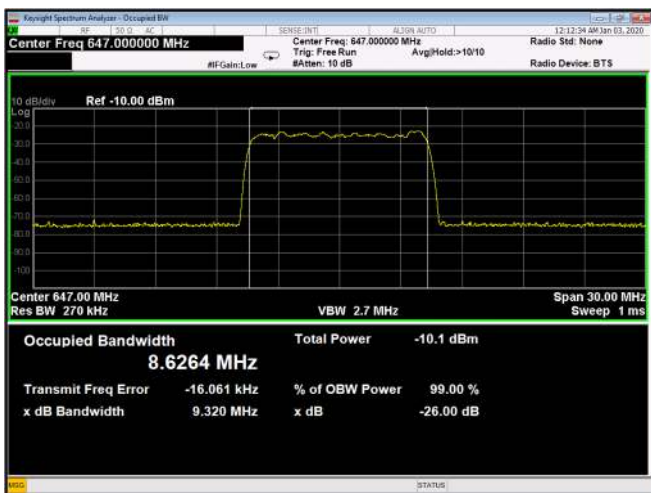


Figure 405: 64QAM 10MHz B.W; 647.0MHz, 30kHz Input

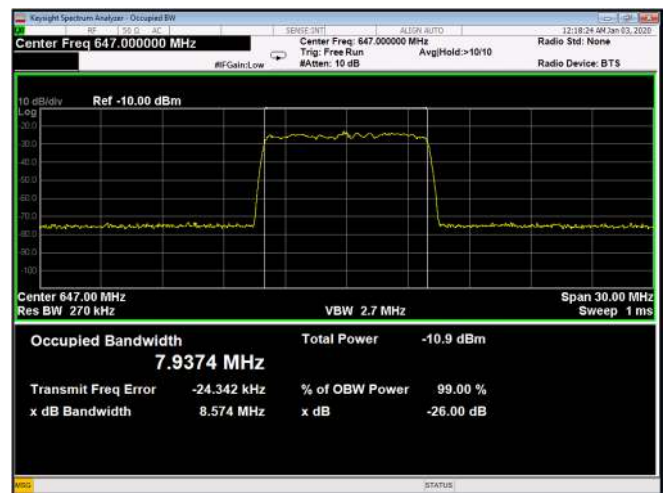


Figure 406: 64QAM 10MHz B.W; 647.0 MHz, 60kHz Input

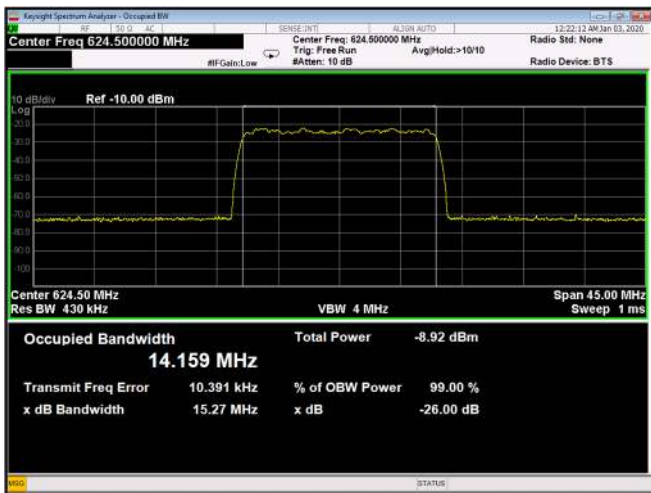


Figure 407: 64QAM 15MHz B.W; 624.5MHz, 15kHz Input

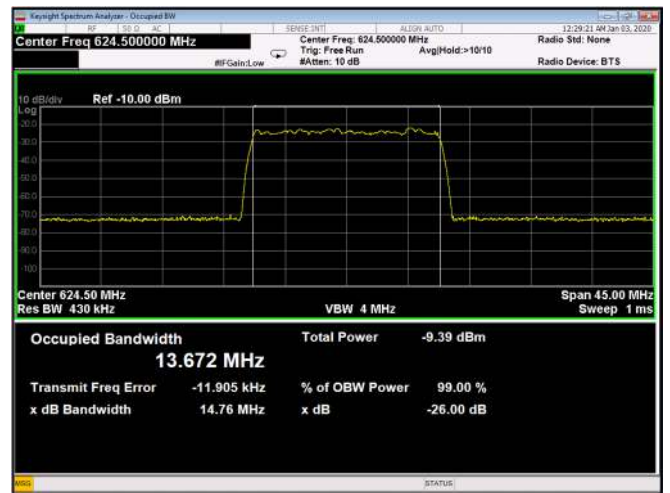


Figure 408: 64QAM 15MHz B.W; 624.5MHz, 30kHz Input

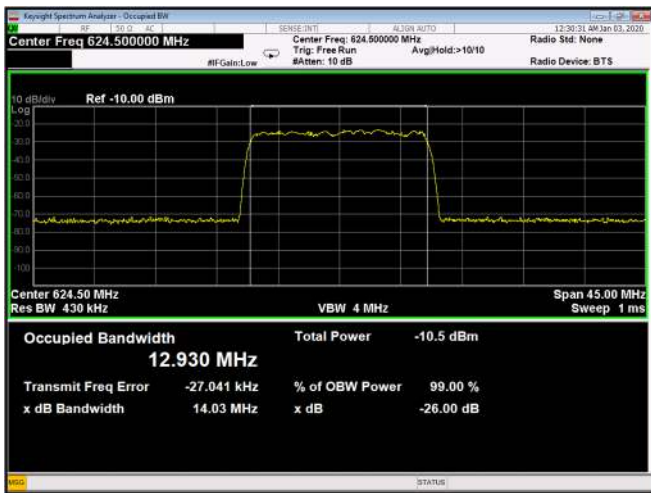


Figure 409: 64QAM 15MHz B.W; 624.5MHz, 60kHz Input

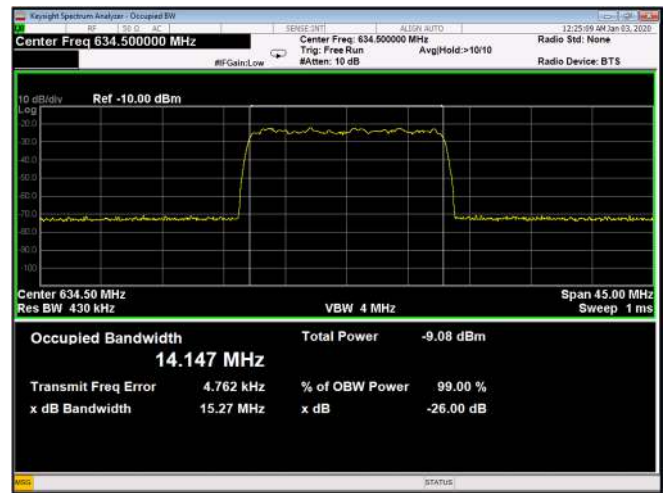


Figure 410: 64QAM 15MHz B.W; 634.5MHz, 15kHz Input

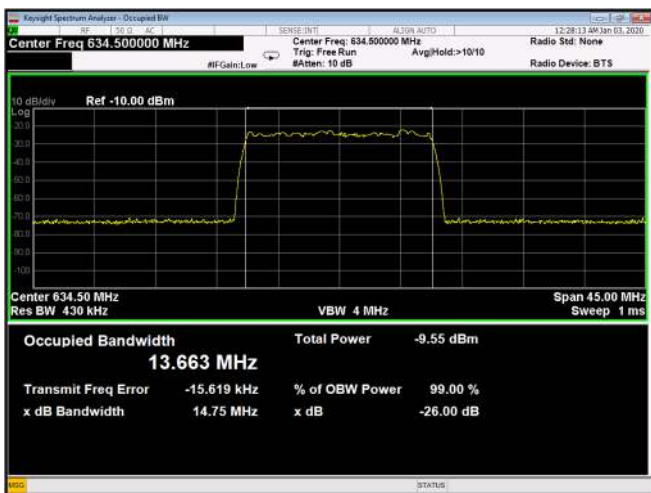


Figure 411: 64QAM 15MHz B.W; 634.5MHz, 30kHz Input

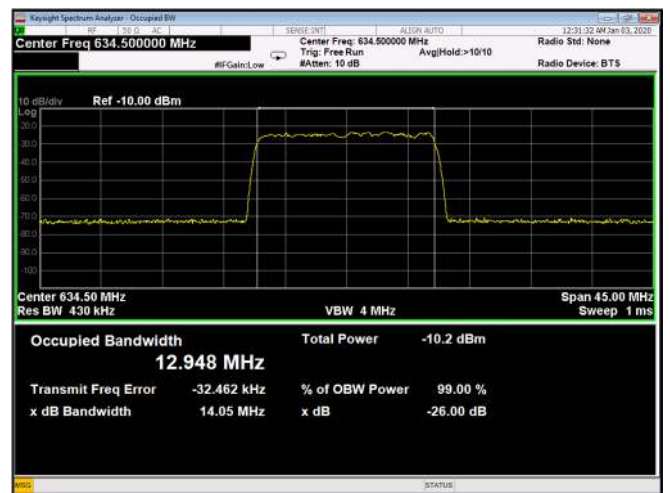


Figure 412: 64QAM 15MHz B.W; 634.5MHz, 60kHz Input

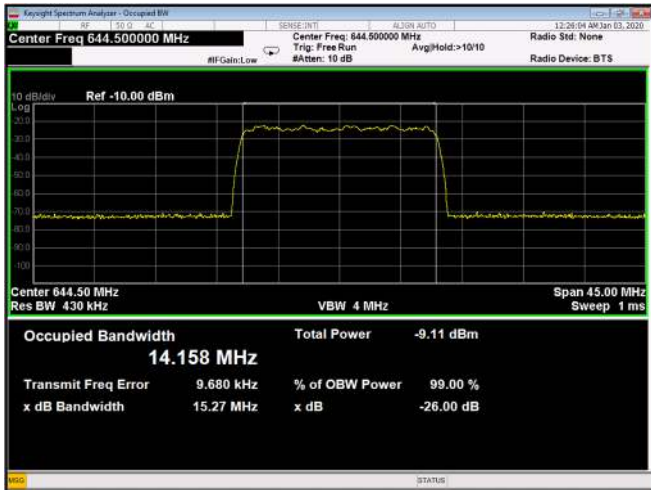


Figure 413: 64QAM 15MHz B.W; 644.5MHz, 15kHz Input

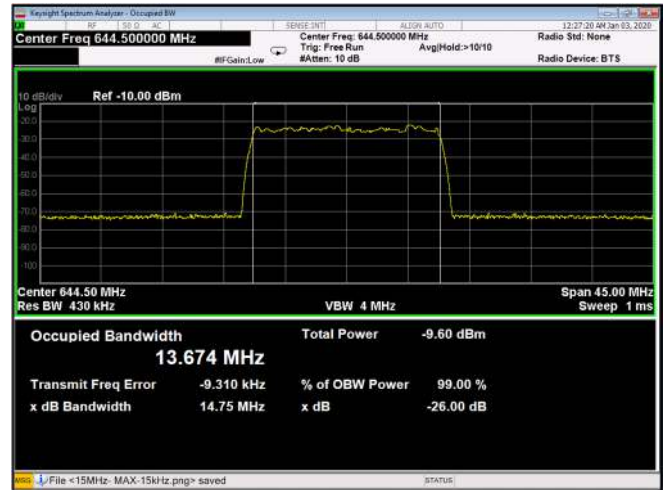


Figure 414: 64QAM 15MHz B.W; 644.5MHz, 30kHz Input

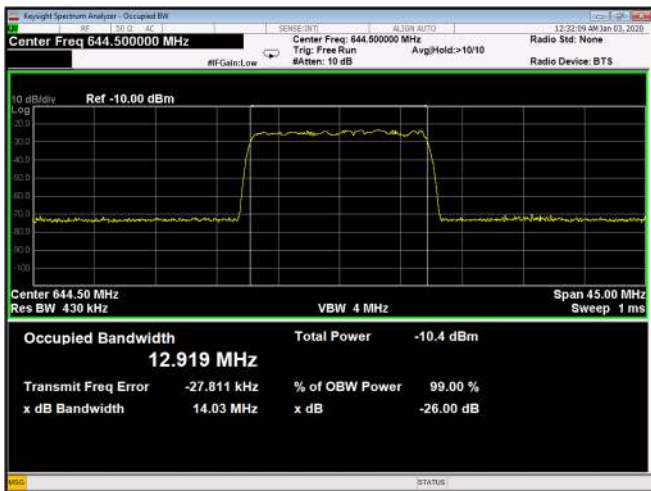


Figure 415: 64QAM 15MHz B.W; 644.5MHz, 60kHz Input

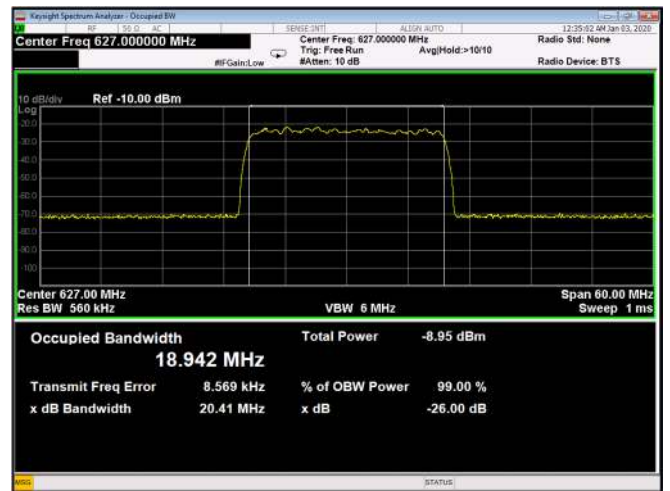


Figure 416: 64QAM 20MHz B.W; 627.0MHz, 15kHz Input

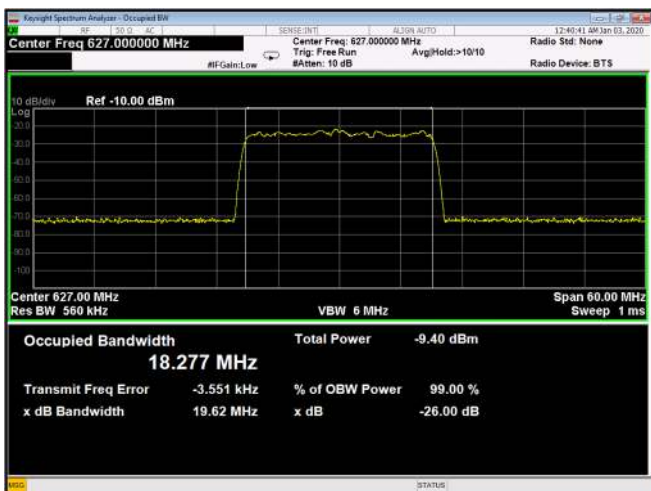


Figure 417: 64QAM 20MHz B.W; 627.0MHz, 30kHz Input

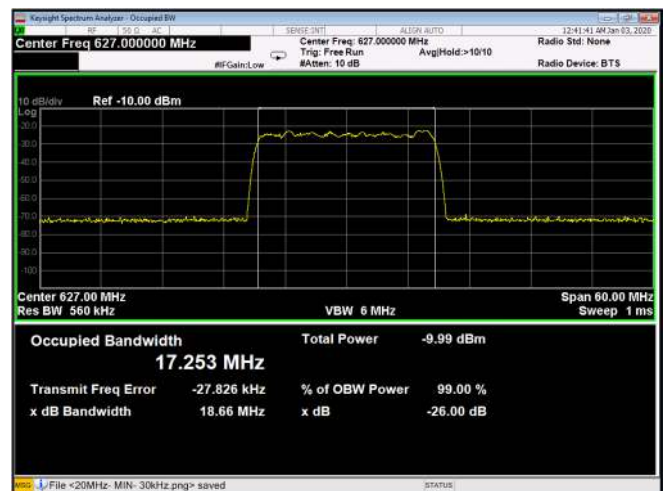


Figure 418: 64QAM 20MHz B.W; 627.0MHz, 60kHz Input

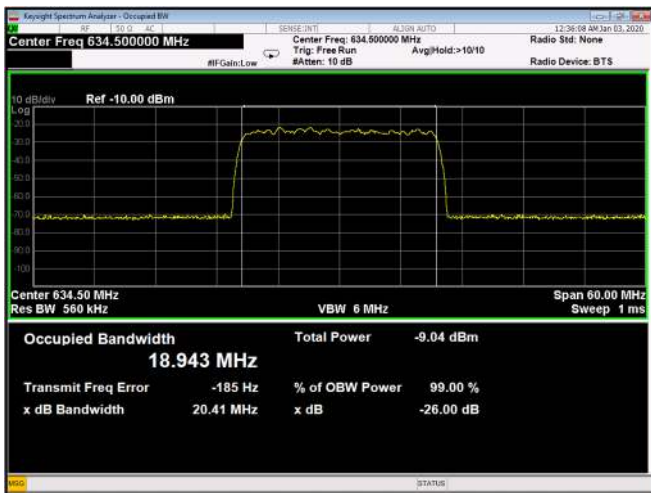


Figure 419: 64QAM 20MHz B.W; 634.5MHz, 15kHz Input

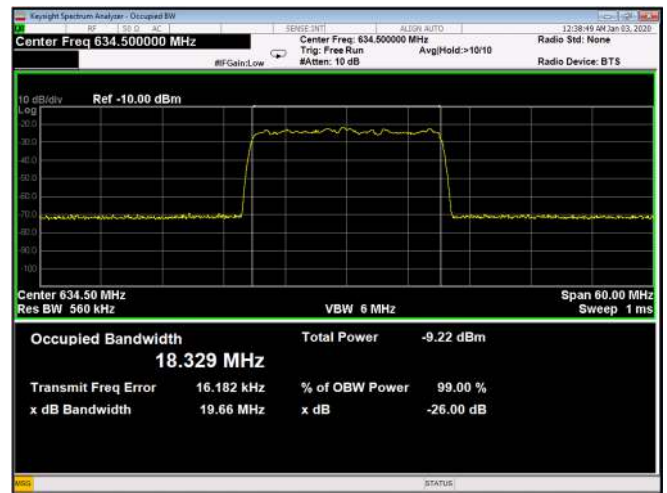


Figure 420: 64QAM 20MHz B.W; 634.5MHz, 30kHz Input

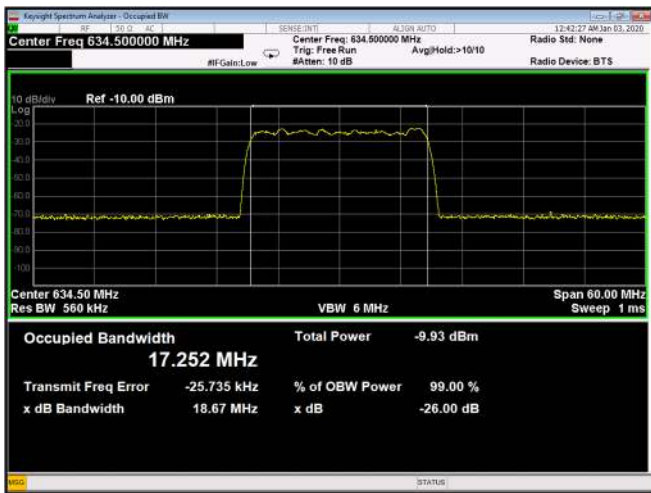


Figure 421: 64QAM 20MHz B.W; 634.5MHz, 60kHz Input

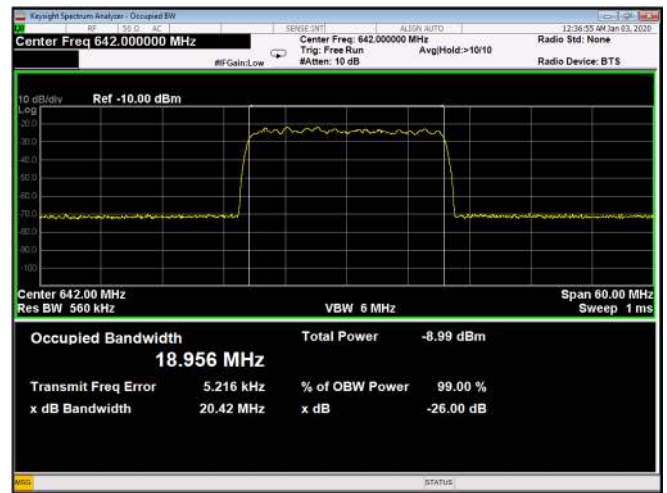


Figure 422: 64QAM 20MHz B.W; 642.0MHz, 15kHz Input

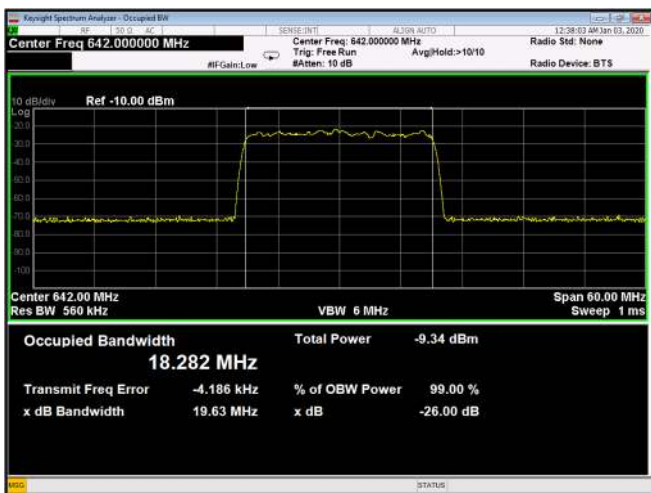


Figure 423: 64QAM 20MHz B.W; 642.0MHz, 30kHz Input

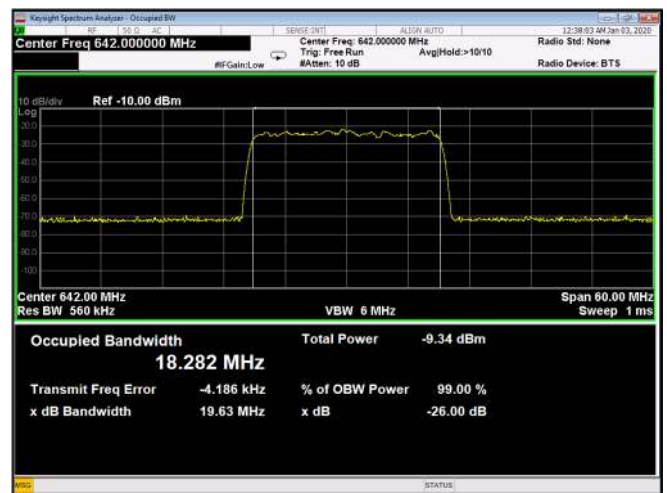


Figure 424: 64QAM 5MHz B.W; 642.0MHz, 60kHz Input

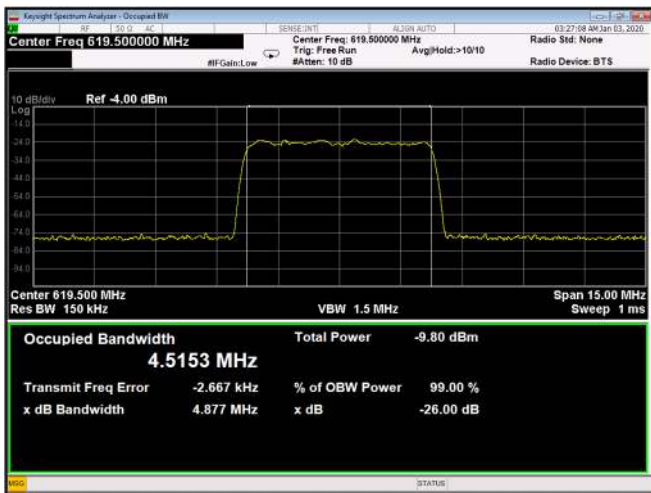


Figure 425: 256QAM 5MHz B.W; 619.5MHz, 15kHz Input

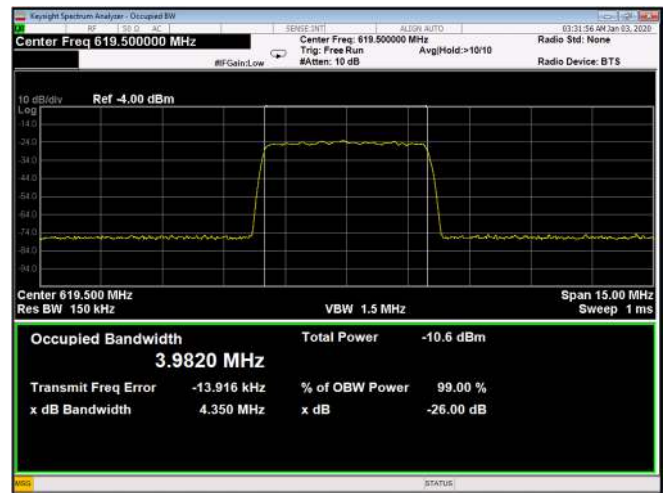


Figure 426: 256QAM 5MHz B.W; 619.5MHz, 30kHz Input

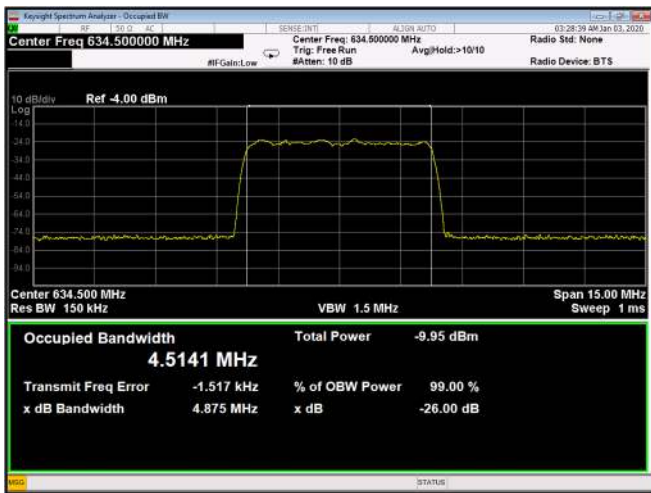


Figure 427: 256QAM 5MHz B.W; 634.5MHz, 15kHz Input

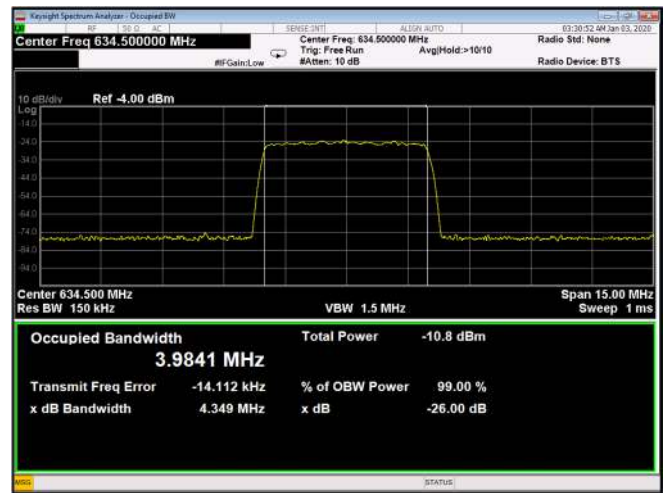


Figure 428: 256QAM 5MHz B.W; 634.5MHz, 30kHz Input

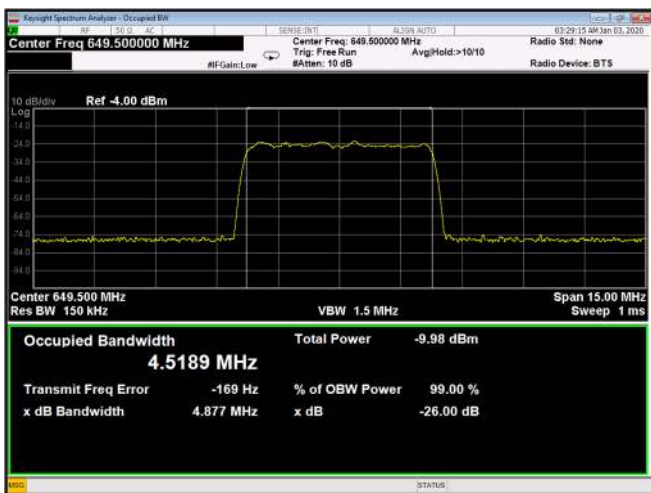


Figure 429: 256QAM 5MHz B.W; 649.5MHz, 15kHz Input

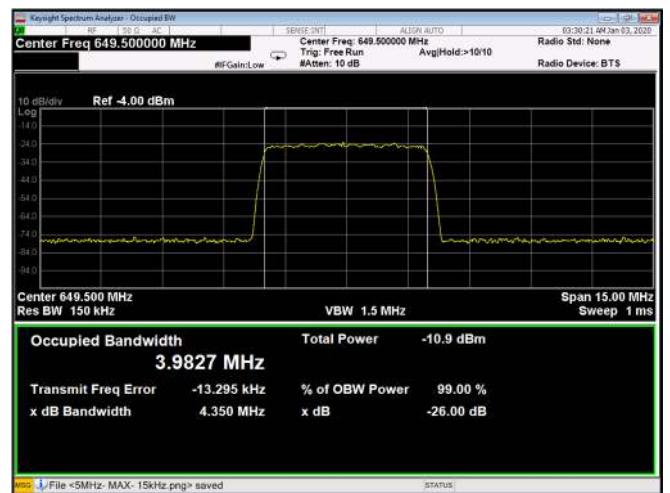


Figure 430: 256QAM 5MHz B.W; 649.5MHz, 30kHz Input

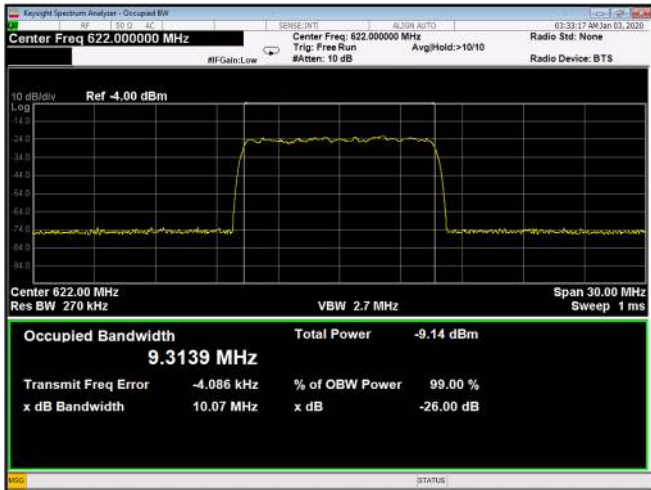


Figure 431: 256QAM 10MHz B.W; 622.0MHz, 15kHz Input

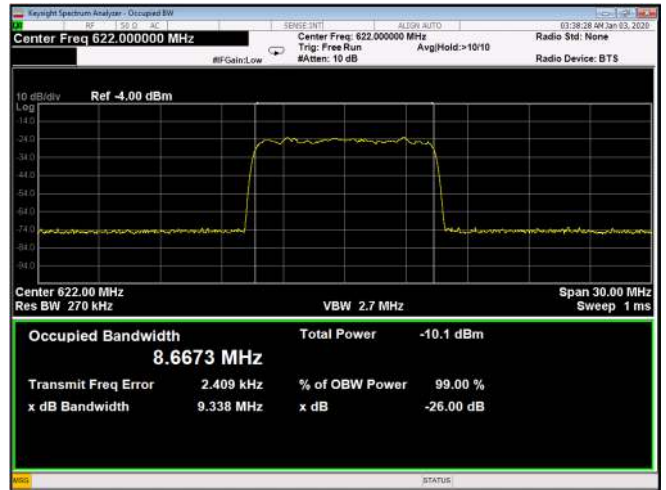


Figure 432: 256QAM 10MHz B.W; 622.0MHz, 30kHz Input

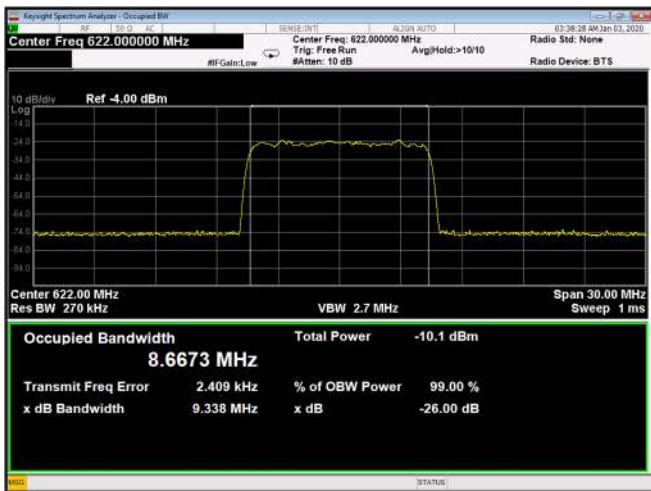


Figure 433: 256QAM 10MHz B.W; 622.0MHz, 60kHz Input

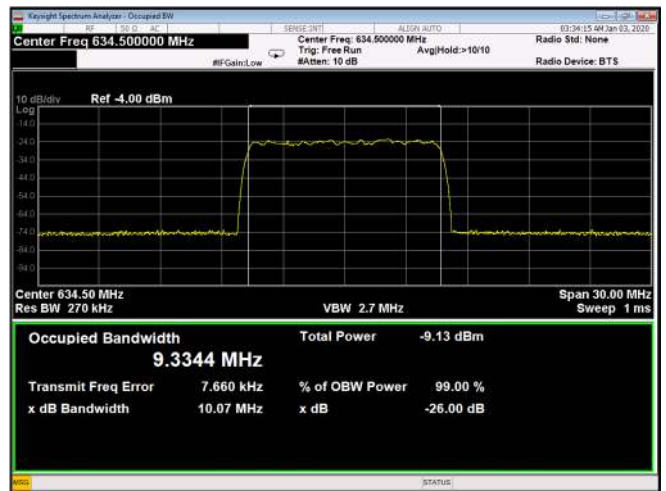


Figure 434: 256QAM 10MHz B.W; 634.5MHz, 15kHz Input

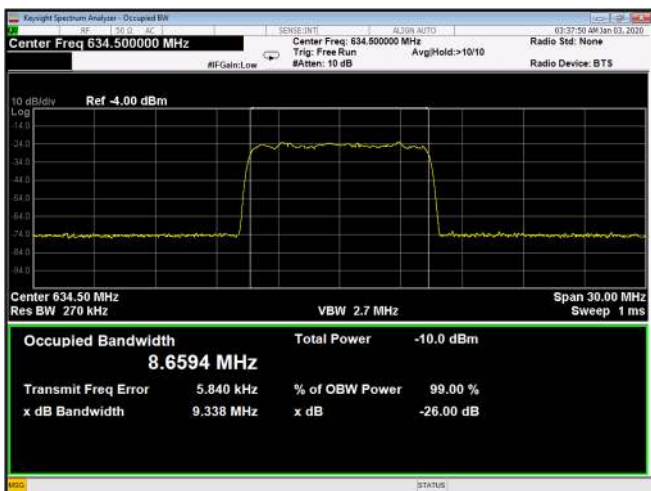


Figure 435: 256QAM 10MHz B.W; 634.5MHz, 30kHz Input

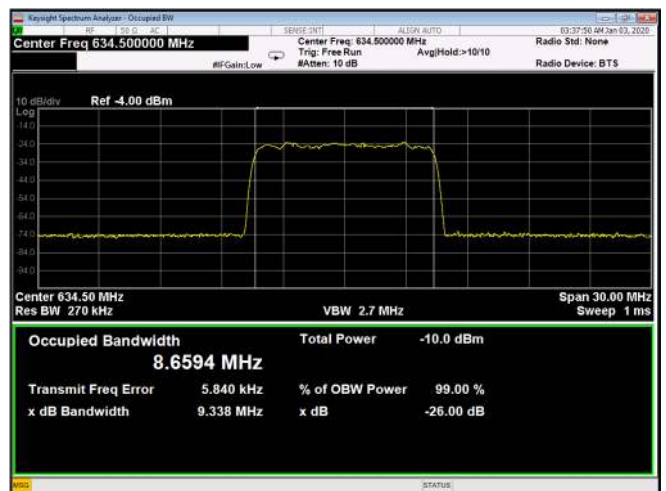


Figure 436: 256QAM 10MHz B.W; 634.5MHz, 60kHz Input

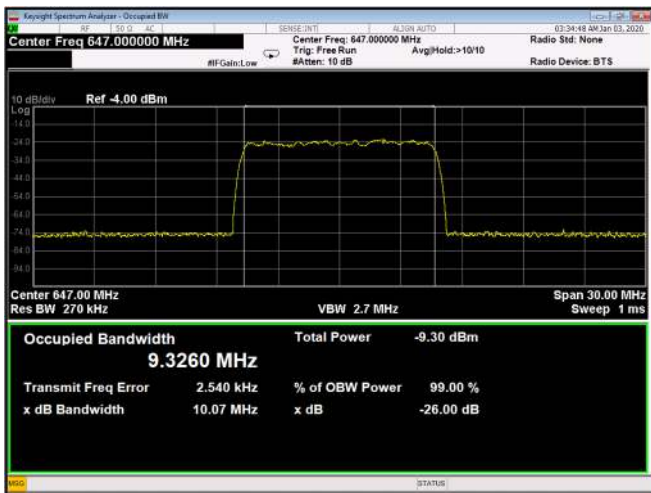


Figure 437: 256QAM 10MHz B.W; 647.0MHz, 15kHz Input

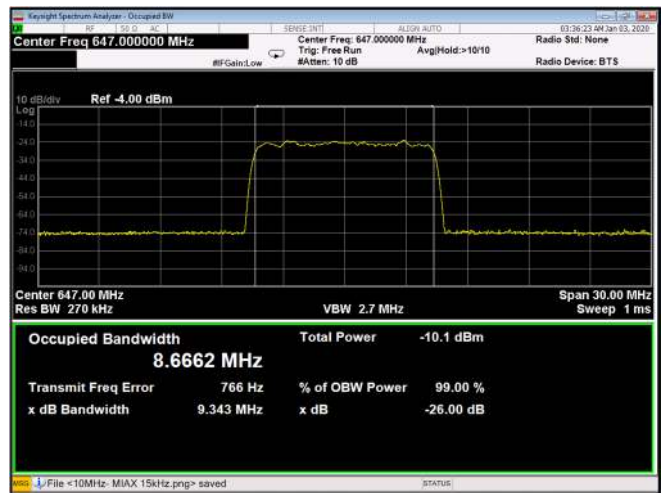


Figure 438: 256QAM 10MHz B.W; 647.0MHz, 30kHz Input

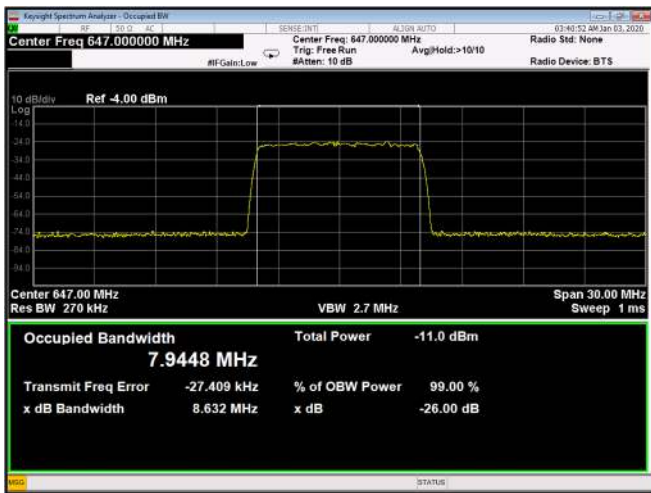


Figure 439: 256QAM 10MHz B.W; 647.0MHz, 60kHz Input

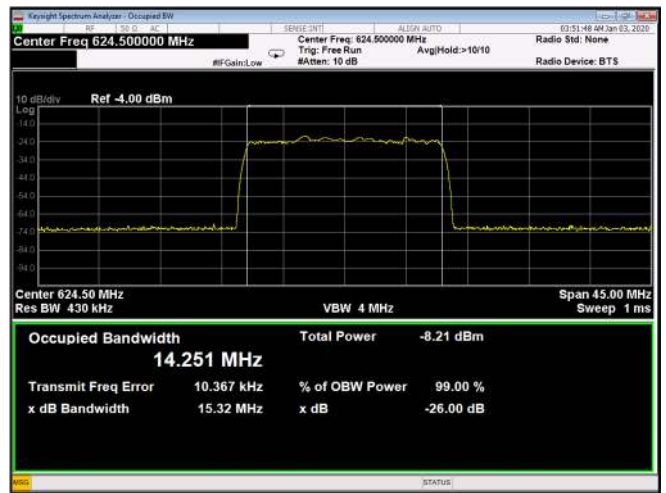


Figure 440: 256QAM 15MHz B.W; 624.5MHz, 15kHz Input

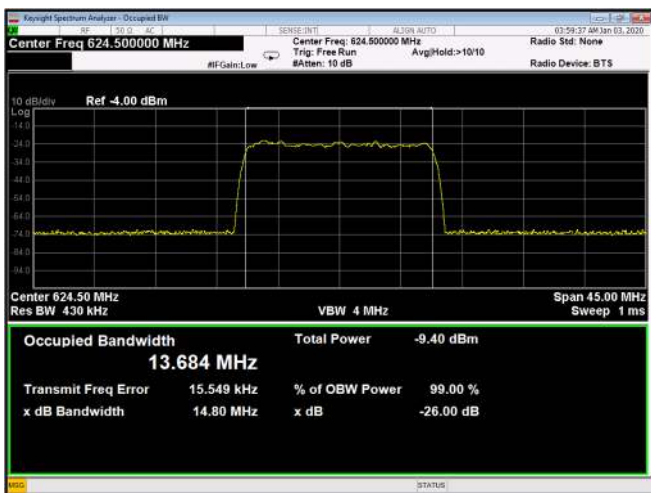


Figure 441: 256QAM 15MHz B.W; 624.5MHz, 30kHz Input

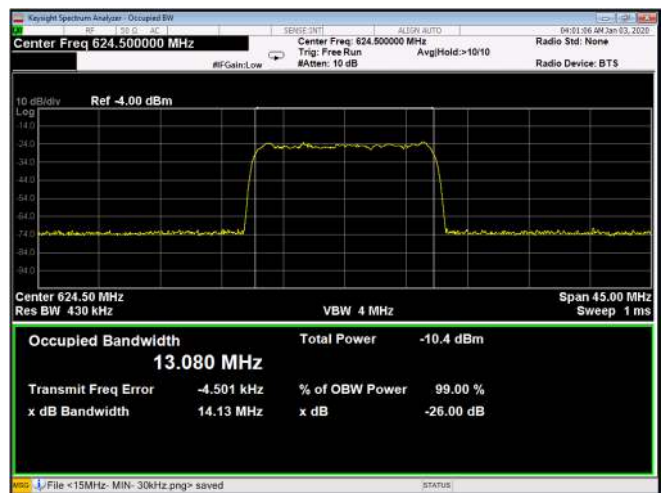


Figure 442: 256QAM 15MHz B.W; 624.5MHz, 60kHz Input

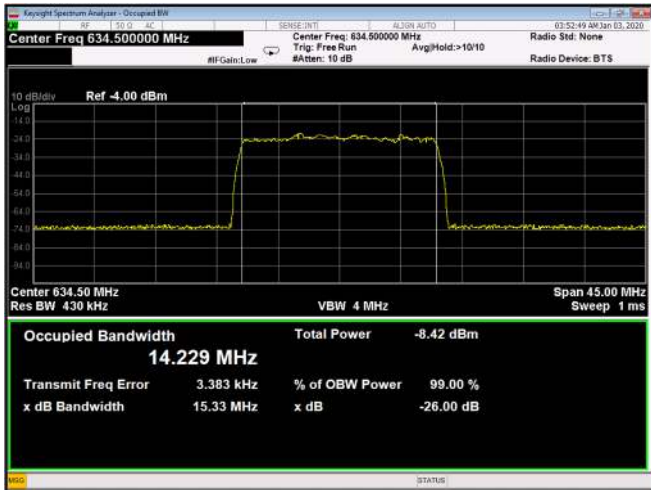


Figure 443: 256QAM 15MHz B.W; 634.5MHz, 15kHz Input

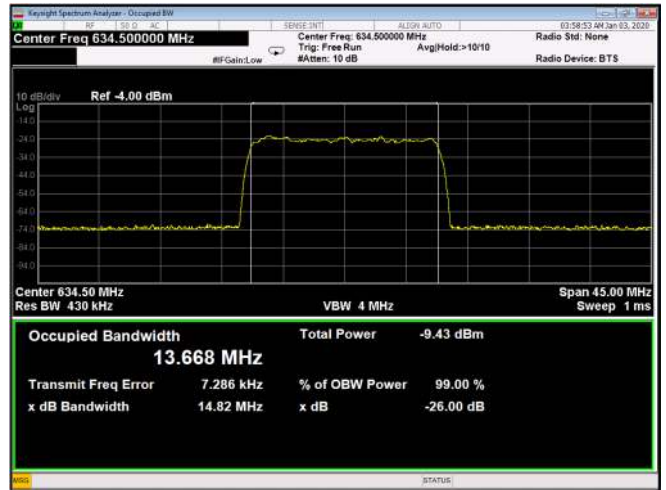


Figure 444: 256QAM 15MHz B.W; 634.5MHz, 30kHz Input

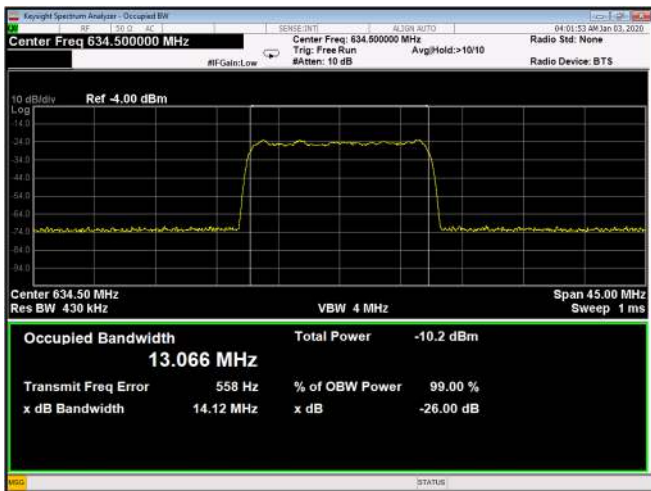


Figure 445: 256QAM 15MHz B.W; 634.5MHz, 60kHz Input

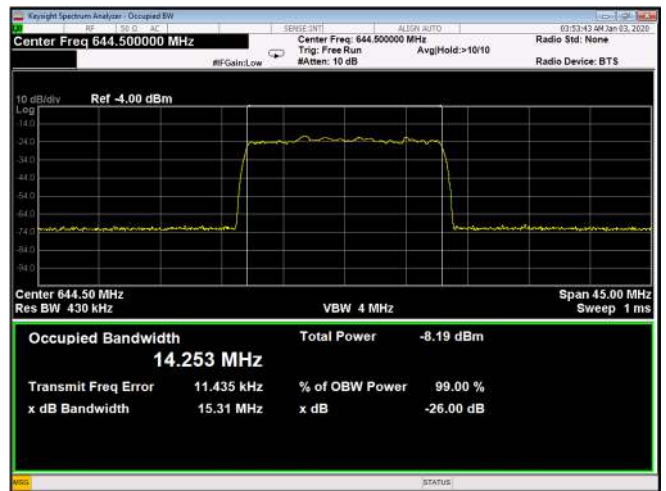


Figure 446: 256QAM 15MHz B.W; 644.5MHz, 15kHz Input

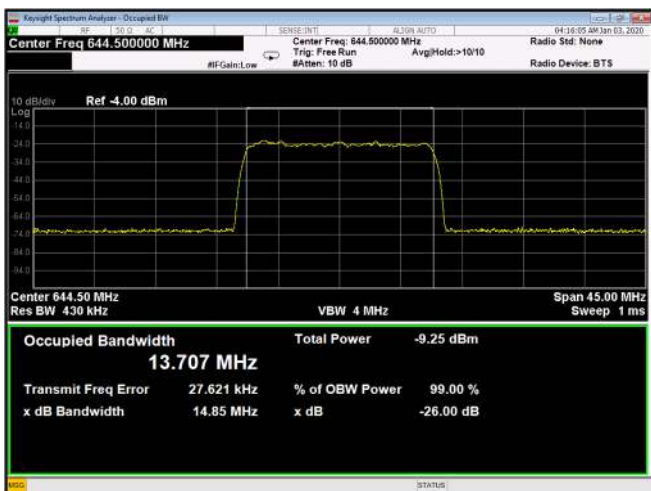


Figure 447: 256QAM 15MHz B.W; 644.5MHz, 30kHz Input

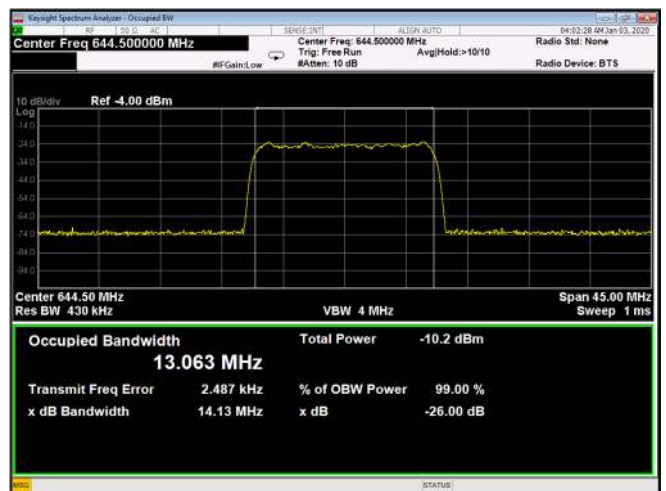


Figure 448: 256QAM 15MHz B.W; 644.5MHz, 60kHz Input

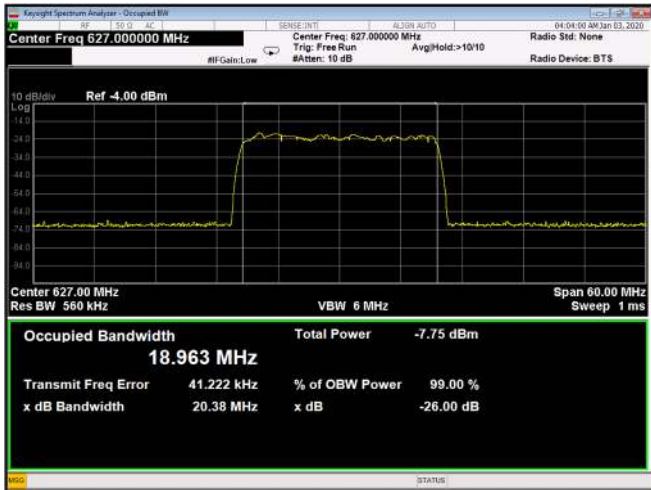


Figure 449: 256QAM 20MHz B.W; 627.0MHz, 15kHz Input

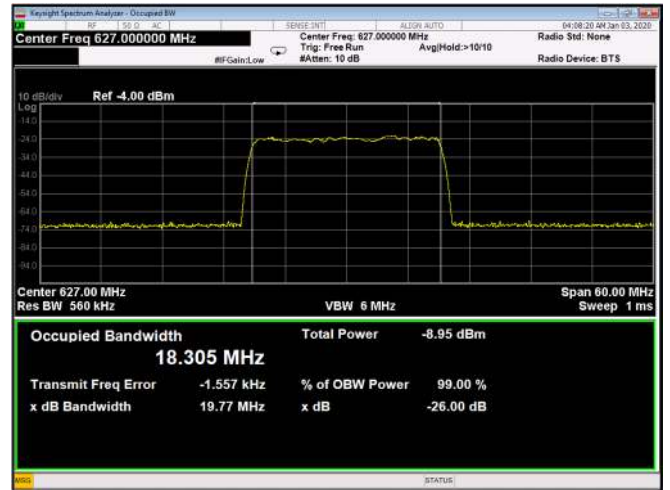


Figure 450: 256QAM 20MHz B.W; 627.0MHz, 30kHz Input

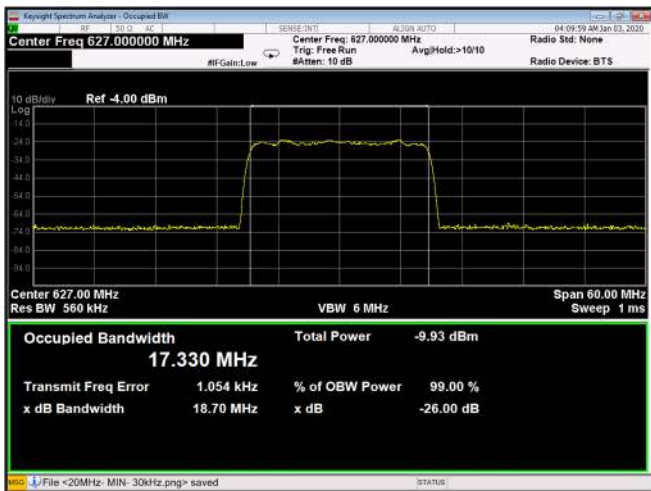


Figure 451: 256QAM 20MHz B.W; 627.0MHz, 60kHz Input

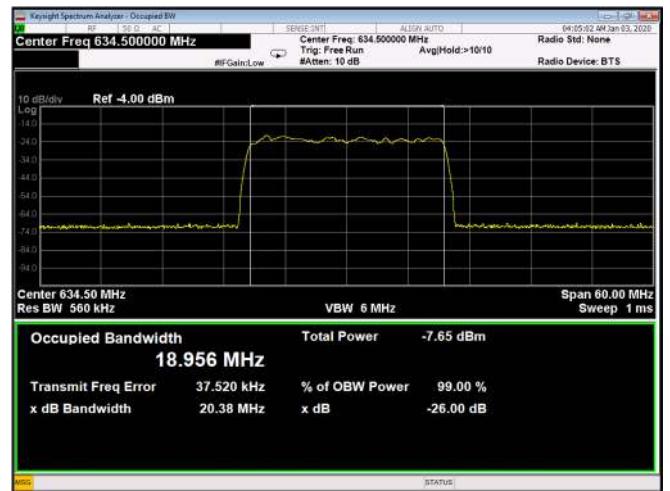


Figure 452: 256QAM 20MHz B.W; 634.5MHz, 15kHz Input

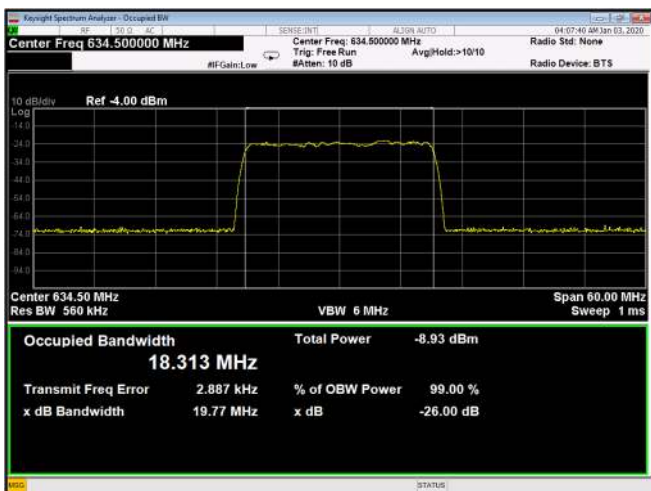


Figure 453: 256QAM 20MHz B.W; 634.5MHz, 30kHz Input

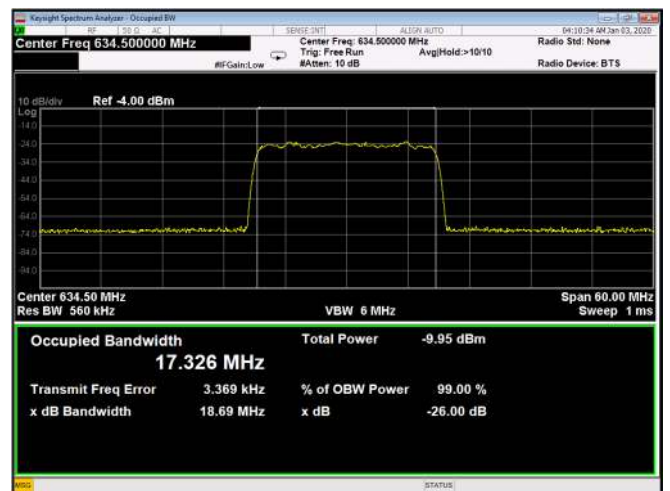


Figure 454: 256QAM 20MHz B.W; 634.4MHz, 60kHz Input

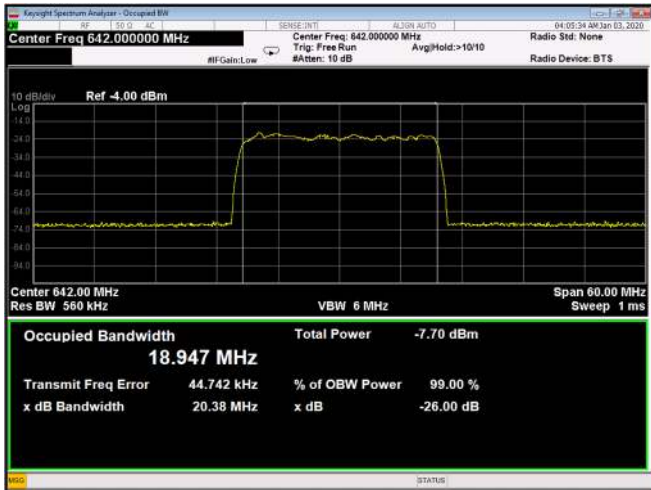


Figure 455: 256QAM 20MHz B.W; 642.0MHz, 15kHz Input

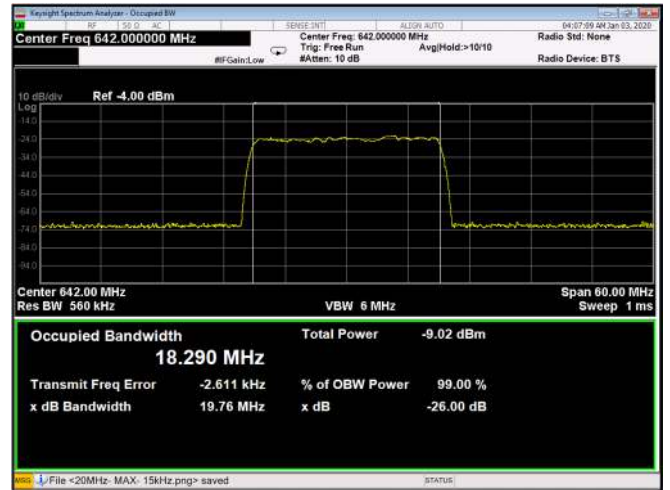


Figure 456: 256QAM 20MHz B.W; 642.0MHz, 30kHz Input

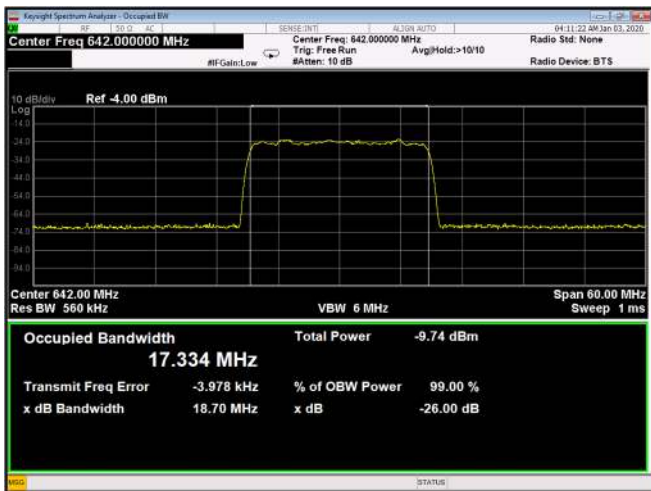


Figure 457: 256QAM 20MHz B.W; 642.0MHz, 60kHz Input

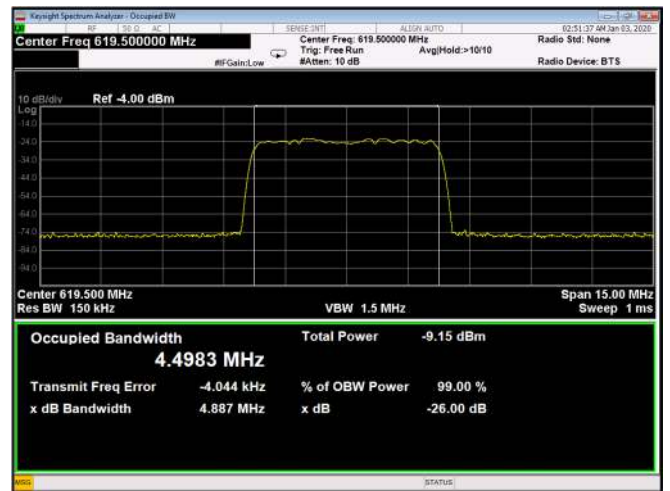


Figure 458: QPSK 5MHz B.W; 619.5MHz, 15kHz Input

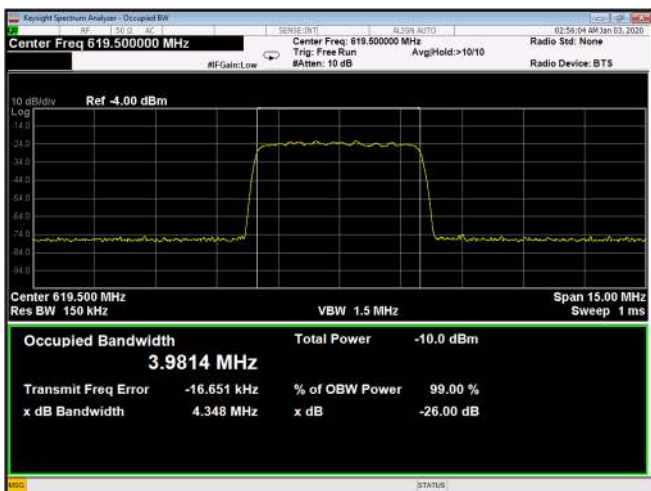


Figure 459: QPSK 5MHz B.W; 619.5MHz, 30kHz Input

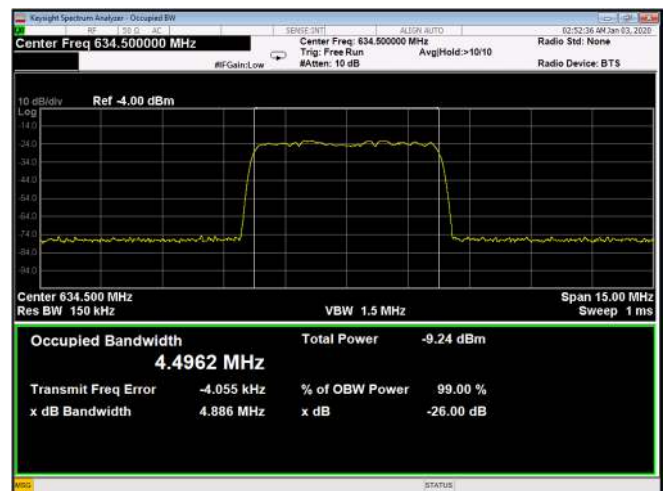


Figure 460: QPSK 5MHz B.W; 634.5MHz, 15kHz Input

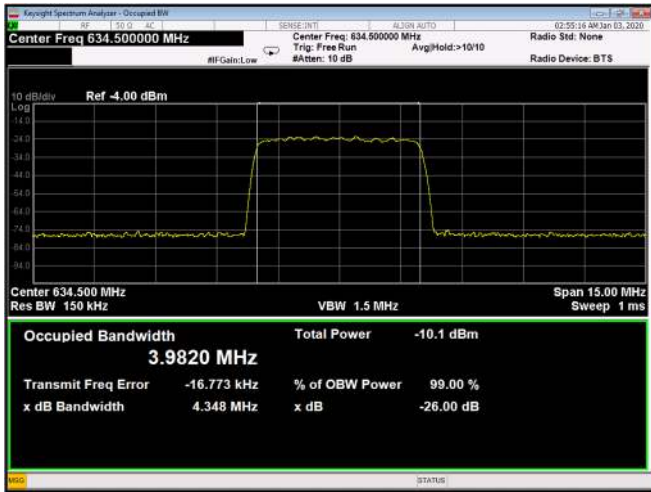


Figure 461: QPSK 5MHz B.W; 634.5MHz, 30kHz Input

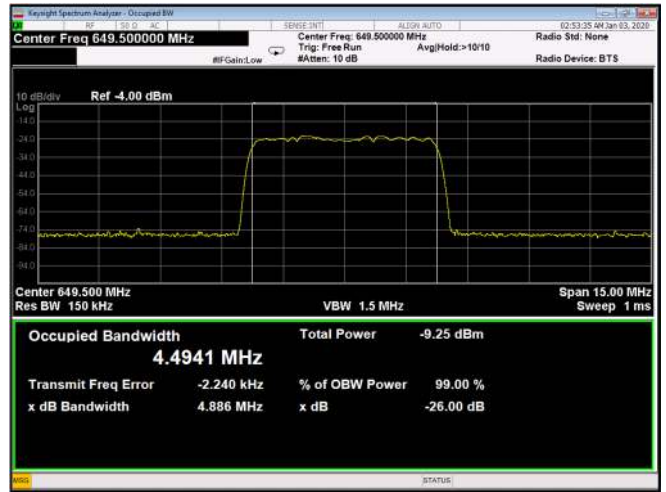


Figure 462: QPSK 5MHz B.W; 649.5MHz, 15kHz Input

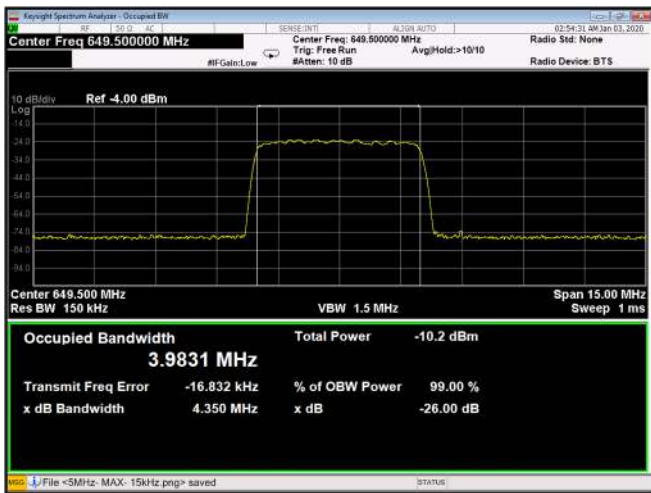


Figure 463: QPSK 5MHz B.W; 649.5MHz, 30kHz Input

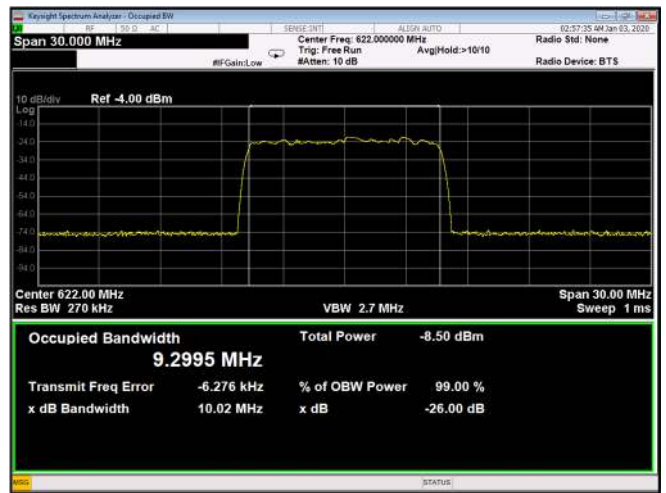


Figure 464: QPSK 10MHz B.W; 622.0MHz, 15kHz Input

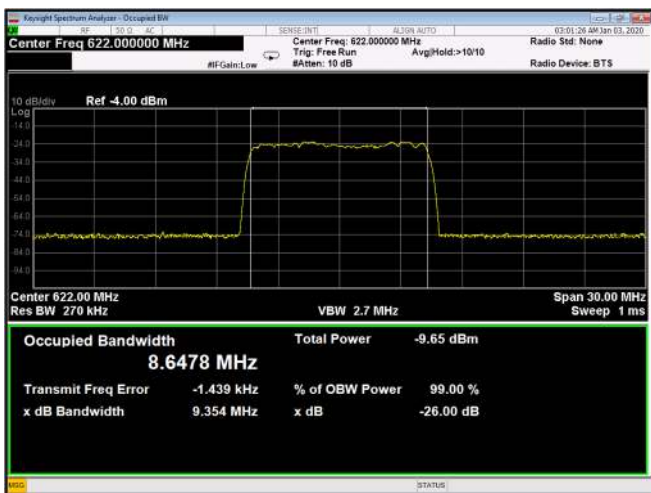


Figure 465: QPSK 10MHz B.W; 622.0MHz, 30kHz Input

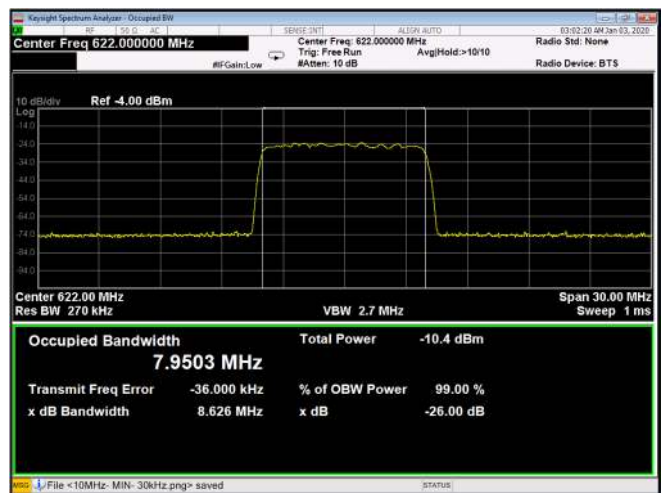


Figure 466: QPSK 10MHz B.W; 622.0MHz, 60kHz Input

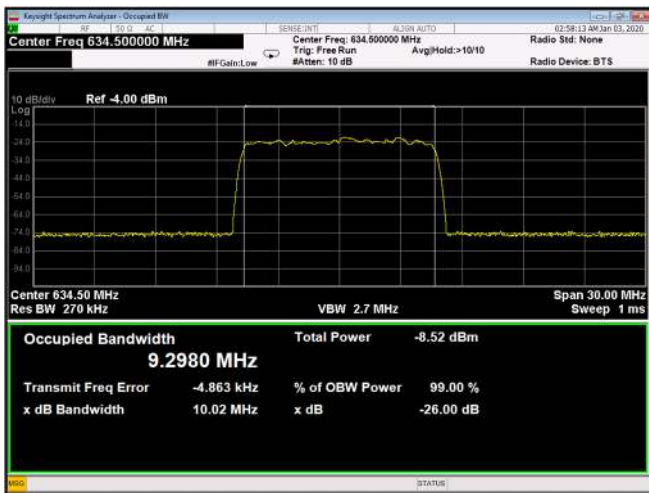


Figure 467: QPSK 10MHz B.W; 634.5MHz, 15kHz Input

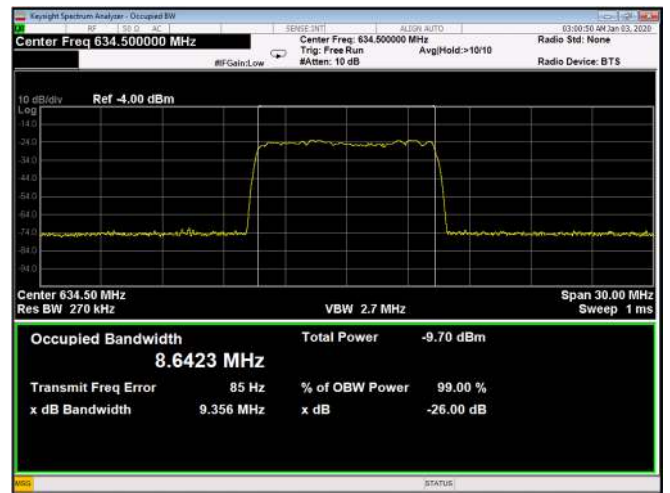


Figure 468: QPSK 10MHz B.W; 634.5MHz, 30kHz Input

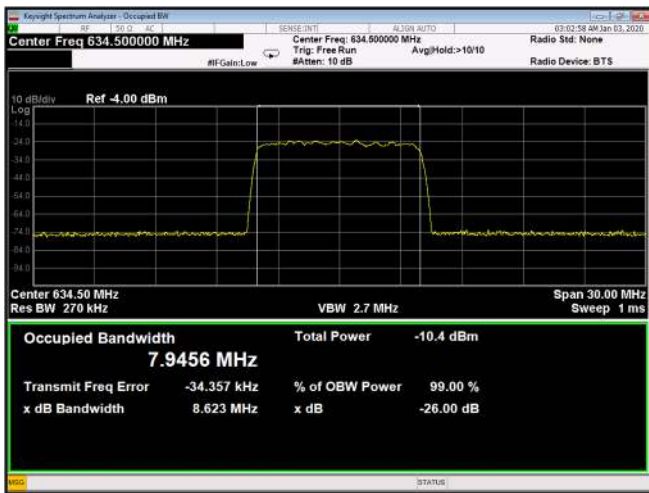


Figure 469: QPSK 10MHz B.W; 634.5MHz, 60kHz Input

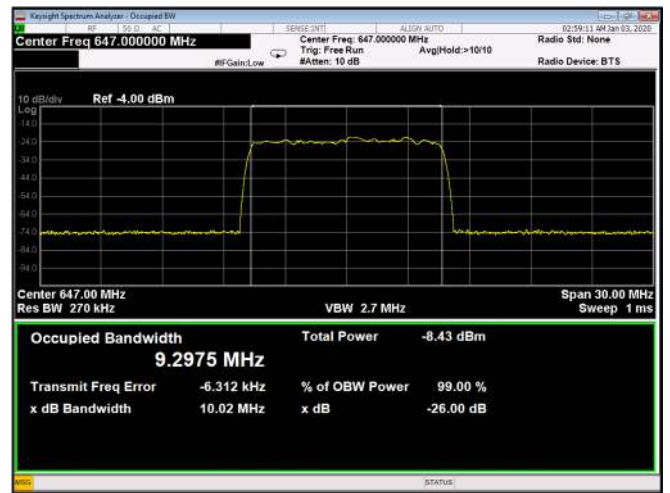


Figure 470: QPSK 10MHz B.W; 647.0MHz, 15kHz Input

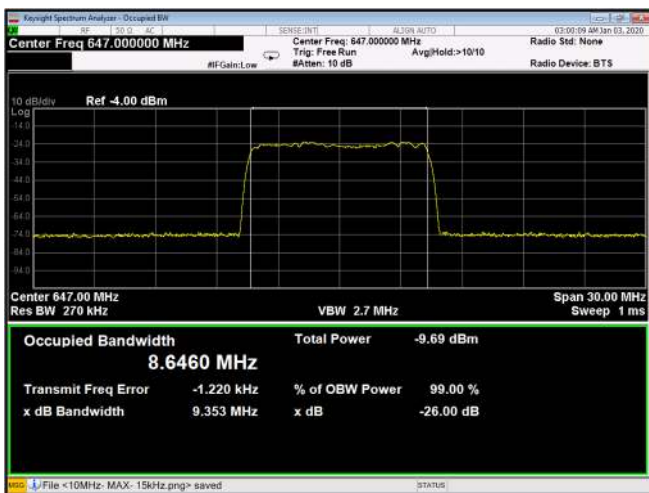


Figure 471: QPSK 10MHz B.W; 647.0MHz, 30kHz Input

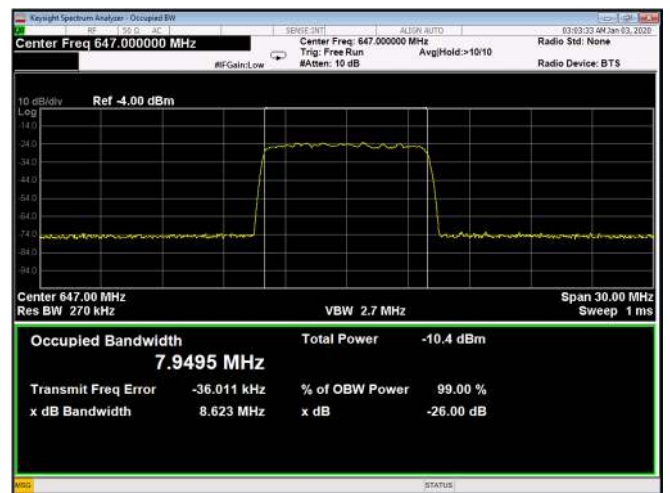


Figure 472: QPSK 10MHz B.W; 647.0MHz, 60kHz Input

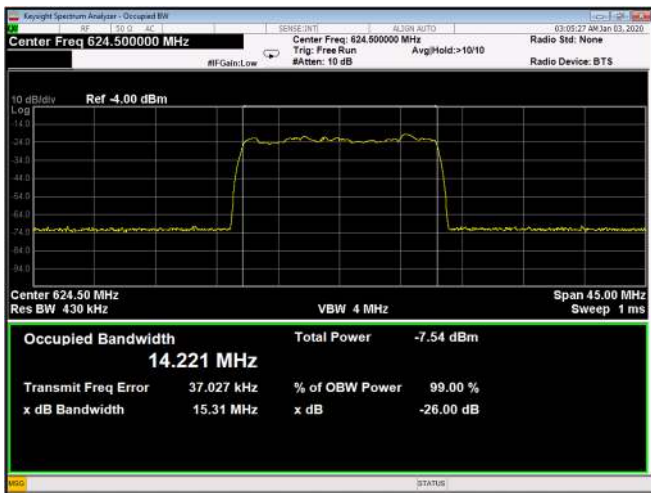


Figure 473: QPSK 15MHz B.W; 624.5MHz, 15kHz Input

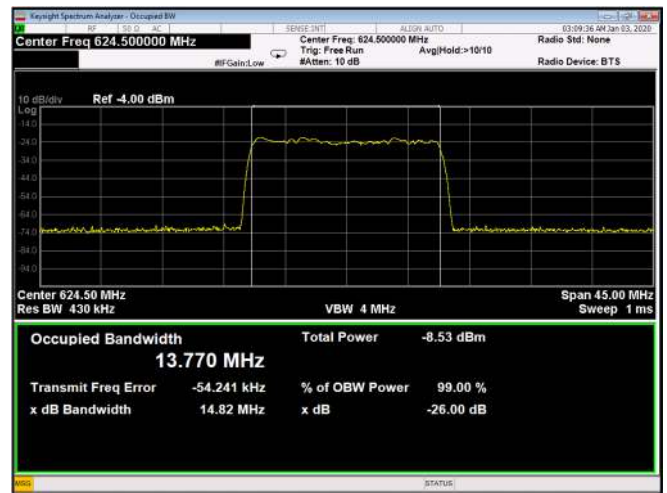


Figure 474: QPSK 15MHz B.W; 624.5MHz, 30kHz Input

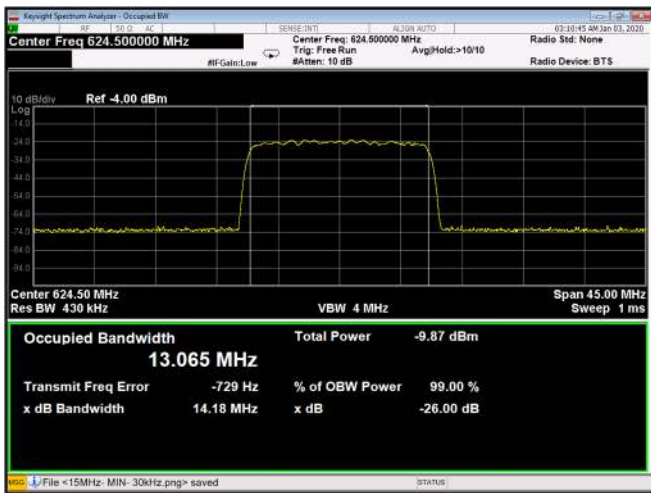


Figure 475: QPSK 15MHz B.W; 624.5MHz, 60kHz Input

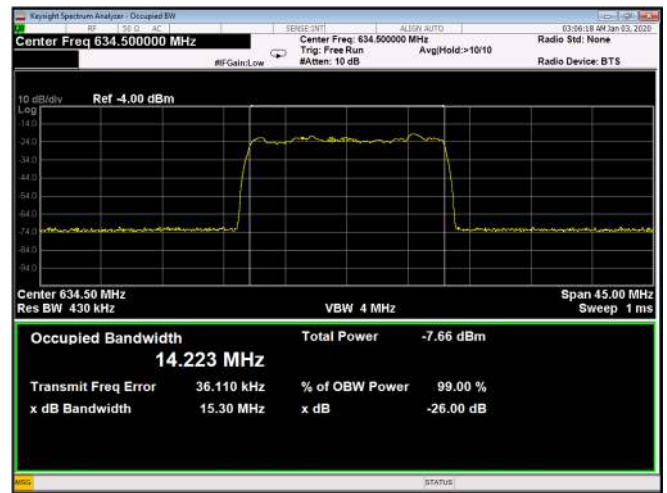


Figure 476: QPSK 15MHz B.W; 634.5MHz, 15kHz Input

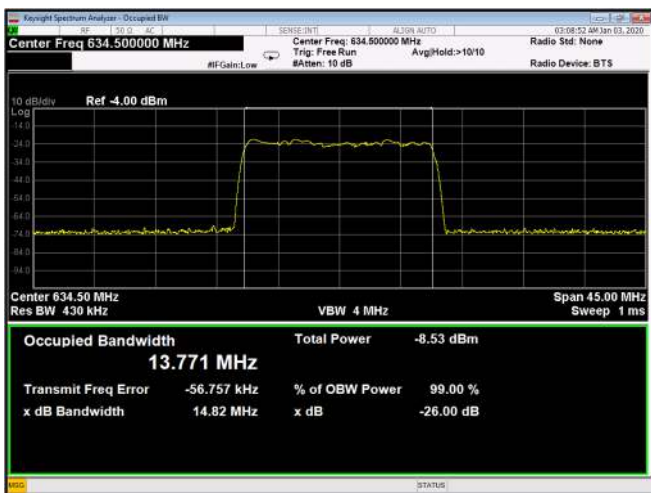


Figure 477: QPSK 15MHz B.W; 634.5MHz, 30kHz Input

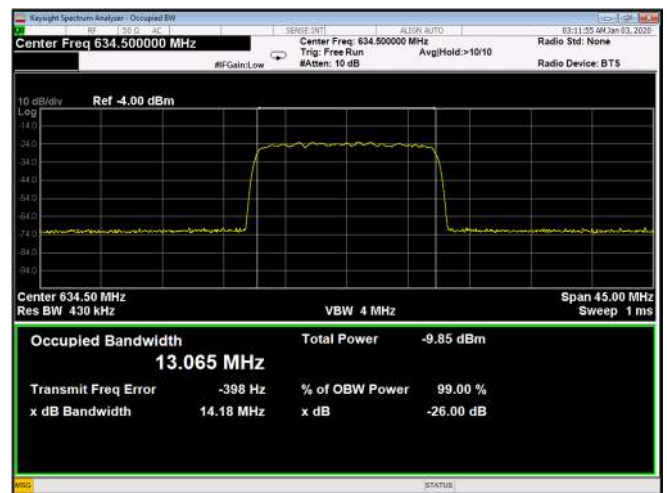


Figure 478: QPSK 15MHz B.W; 634.5MHz, 60kHz Input

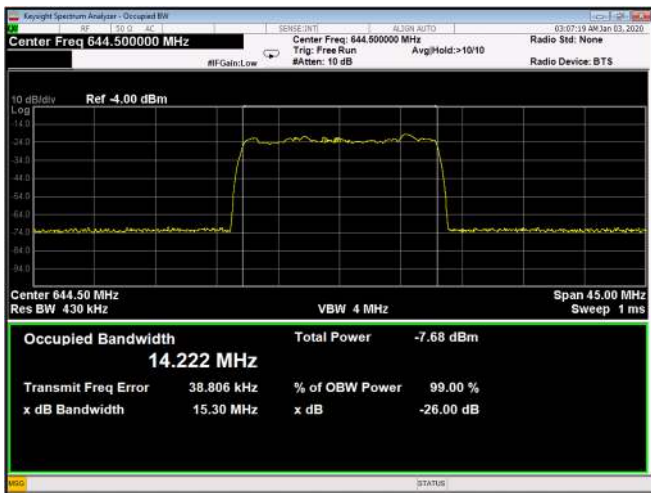


Figure 479: QPSK 15MHz B.W; 644.5MHz, 15kHz Input

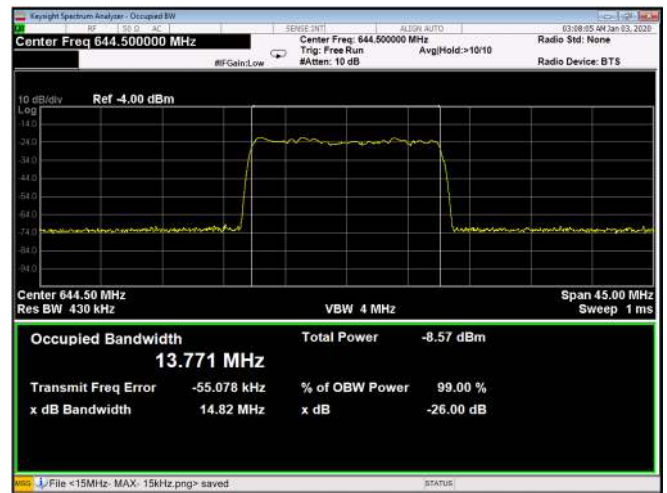


Figure 480: QPSK 15MHz B.W; 644.5MHz, 30kHz Input

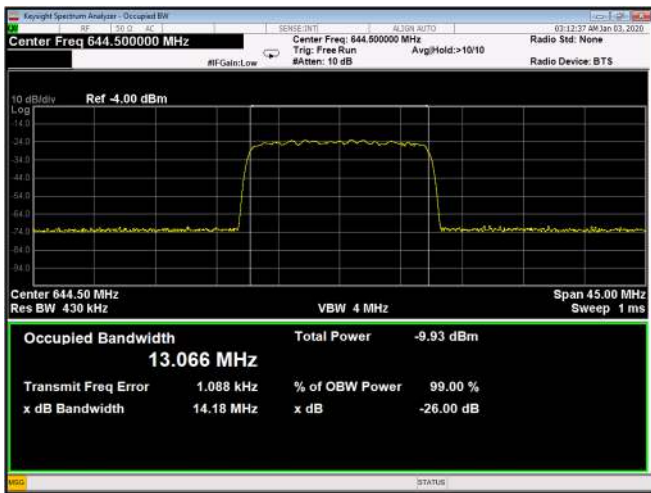


Figure 481: QPSK 15MHz B.W; 634.5MHz, 60kHz Input

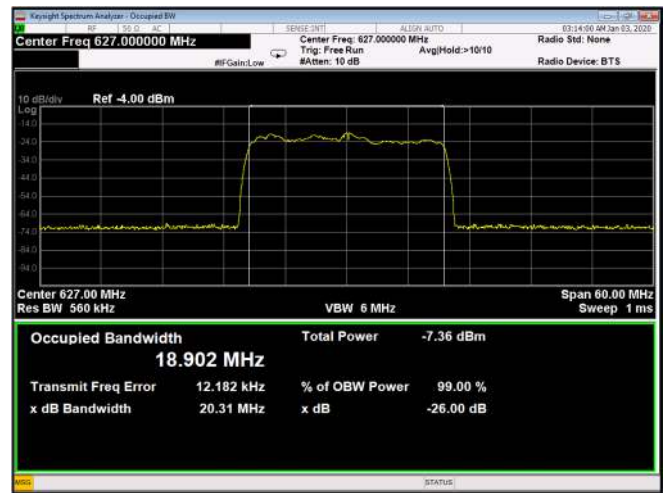


Figure 482: QPSK 20MHz B.W; 627.0MHz, 15kHz Input

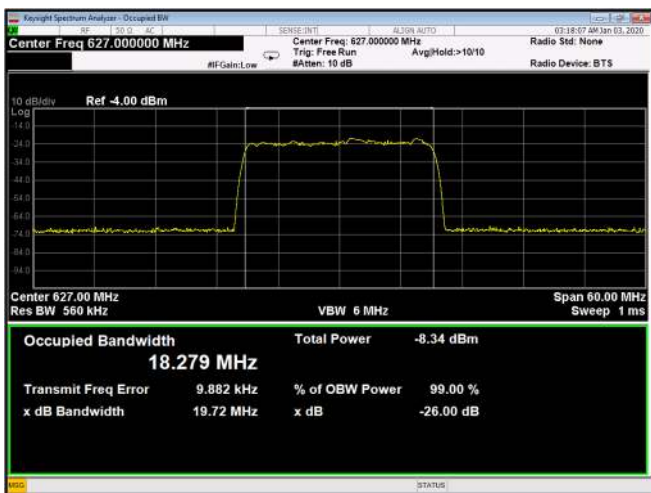


Figure 483: QPSK 20MHz B.W; 627.0MHz, 30kHz Input

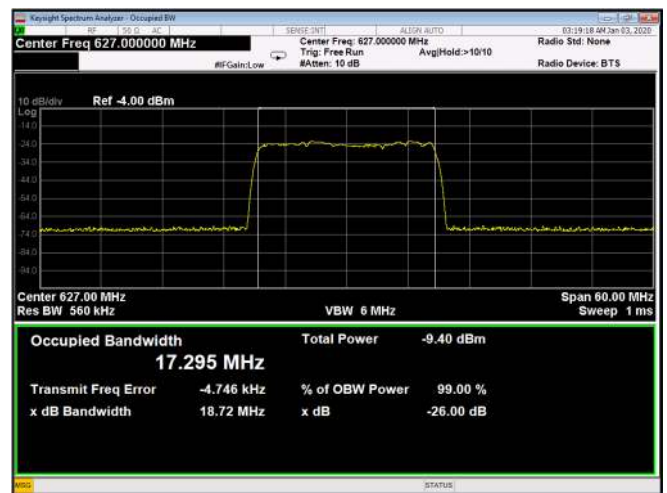


Figure 484: QPSK 20MHz B.W; 627.0MHz, 60kHz Input

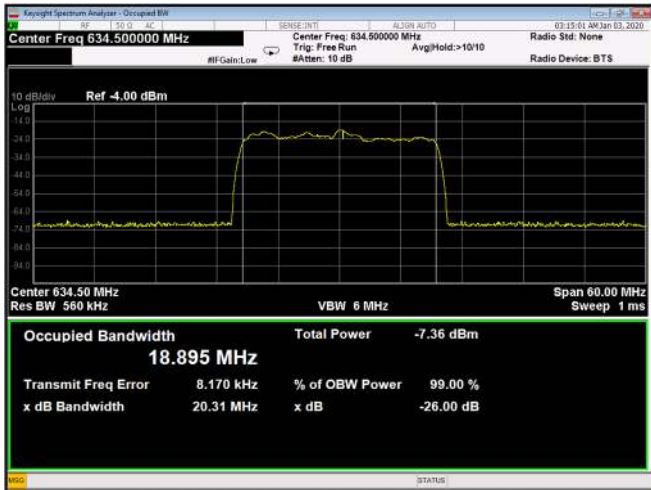


Figure 485: QPSK 20MHz B.W; 634.5MHz, 15kHz Input

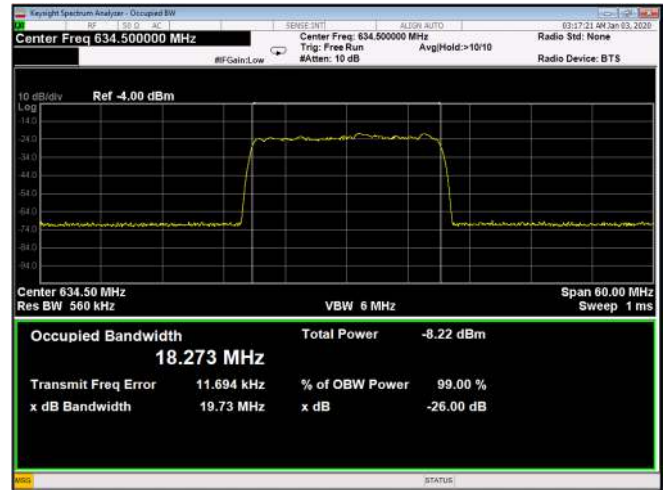


Figure 486: QPSK 20MHz B.W; 634.5MHz, 30kHz Input

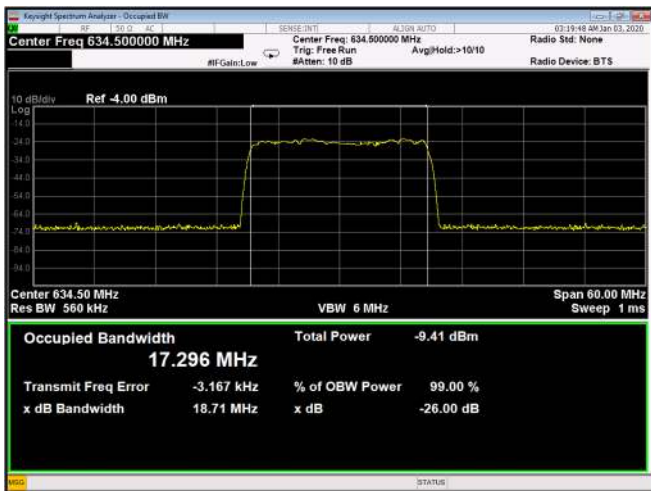


Figure 487: QPSK 20MHz B.W; 634.5MHz, 60kHz Input

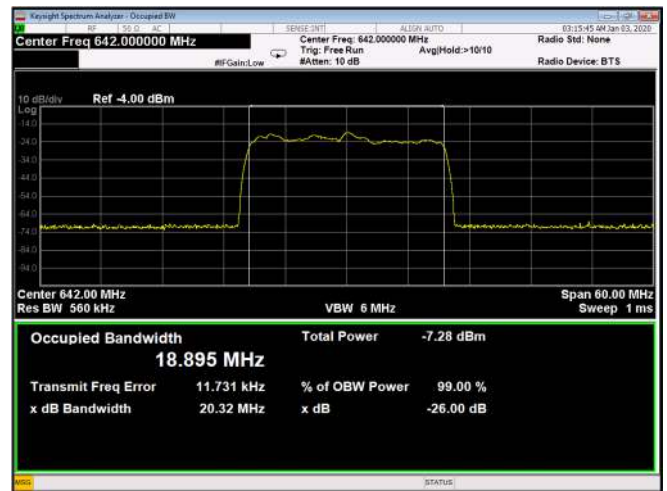


Figure 488: QPSK 20MHz B.W; 642.0MHz, 15kHz Input

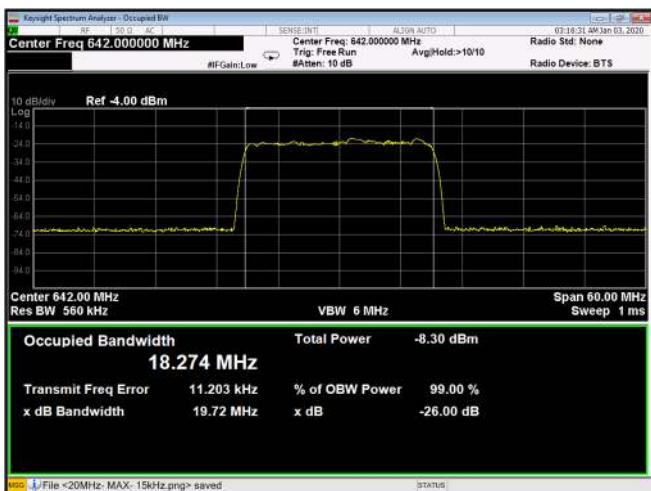


Figure 489: QPSK 20MHz B.W; 642.0MHz, 30kHz Input

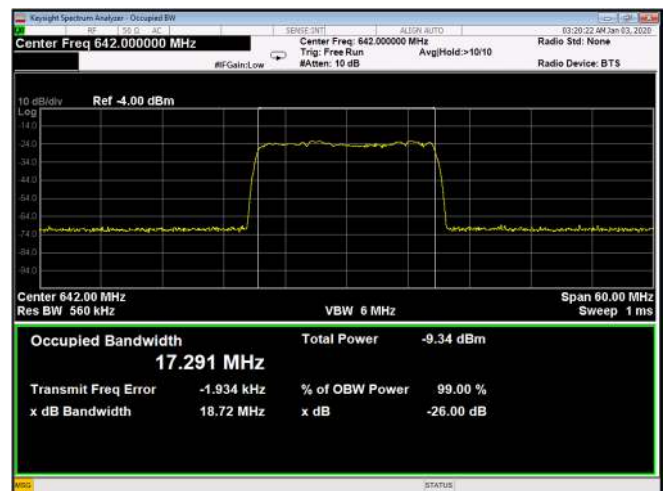


Figure 490: QPSK 20MHz B.W; 642.0MHz, 60kHz Input