

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 for each modulation.

7.3 Test Limit

N/A

7.4 Test Results

JUDGEMENT: Passed

See additional information in Table 16 to Table 23 and Figure 357 to Figure 620.

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
16QAM	5	15	730.5	4.5378
		30	730.5	4.0020
		15	743.0	4.5358
		30	743.0	4.0068
		15	755.5	4.5384
		30	755.5	4.0031
	10	15	733.0	9.2979
		30	733.0	8.5871
		60	733.0	7.9813
		15	743.0	9.2949
		30	743.0	8.5906
		60	743.0	7.9882
		15	753.0	9.2936
		30	753.0	8.5893
		60	753.0	7.9883
	15	15	735.5	14.278
		30	735.5	13.763
		60	735.5	12.888
		15	743.0	14.263
		30	743.0	13.762
		60	743.0	12.883
		15	750.5	14.276
		30	750.5	13.740
		60	750.5	12.884
	20	15	738.0	19.061
		30	738.0	18.413
		60	738.0	17.180
		15	743.0	19.050
		30	743.0	18.391
		60	743.0	17.177
		15	748.0	19.046
		30	748.0	18.408
		60	748.0	17.173

Table 16 Occupied Bandwidth 16 QAM Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
16QAM	(MHz)	(kHz)	(MHz)	(MHz)
	5	15	730.5	4.5200
		30	730.5	3.9789
		15	743.0	4.5339
		30	743.0	3.9835
		15	755.5	4.5333
		30	755.5	3.9798
	10	15	733.0	9.2918
		30	733.0	8.6020
		60	733.0	7.9404
		15	743.0	9.3069
		30	743.0	8.5828
		60	743.0	9.487
		15	753.0	9.2914
		30	753.0	8.6060
		60	753.0	7.9472
	15	15	735.5	14.107
		30	735.5	13.656
		60	735.5	12.897
		15	743.0	14.215
		30	743.0	13.705
		60	743.0	12.902
		15	750.5	14.194
		30	750.5	13.680
		60	750.5	12.876
	20	15	738.0	18.911
		30	738.0	18.283
		60	738.0	17.105
		15	743.0	18.961
		30	743.0	18.311
		60	743.0	17.139
		15	748.0	18.911
		30	748.0	18.283
		60	748.0	17.105

Table 17 Occupied Bandwidth 16QAM Output

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
64QAM	5	15	730.5	4.5007
		30	730.5	3.9888
		15	743.0	4.4993
		30	743.0	3.9886
		15	755.5	4.500
		30	755.5	3.9844
	10	15	733.0	9.3219
		30	733.0	8.6324
		60	733.0	7.9459
		15	743.0	9.3195
		30	743.0	8.6245
		60	743.0	7.9340
		15	753.0	9.3246
		30	753.0	8.6295
		60	753.0	7.9456
	15	15	735.5	14.157
		30	735.5	13.648
		60	735.5	12.924
		15	743.0	14.161
		30	743.0	13.669
		60	743.0	12.941
		15	750.5	14.160
		30	750.5	13.664
		60	750.5	12.941
	20	15	738.0	18.955
		30	738.0	18.331
		60	738.0	17.243
		15	743.0	18.939
		30	743.0	18.320
		60	743.0	17.237
		15	748.0	18.962
		30	748.0	18.321
		60	748.0	17.238

Table 18 Occupied Bandwidth 64QAM Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
64QAM	(MHz)	(kHz)	(MHz)	(MHz)
	5	15	730.5	4.5694
		30	730.5	4.0595
		15	743.0	4.5970
		30	743.0	4.0676
		15	755.5	4.5835
		30	755.5	4.0568
	10	15	733.0	9.4213
		30	733.0	8.7411
		60	733.0	8.0844
		15	743.0	9.4523
		30	743.0	8.7978
		60	743.0	8.1081
		15	753.0	9.4313
		30	753.0	8.7824
		60	753.0	8.0886
	15	15	735.5	14.265
		30	735.5	13.822
		60	735.5	13.034
		15	743.0	14.322
		30	743.0	13.875
		60	743.0	13.088
		15	750.5	14.294
		30	750.5	13.828
		60	750.5	13.108
	20	15	738.0	18.985
		30	738.0	18.381
		60	738.0	17.364
		15	743.0	19.058
		30	743.0	18.438
		60	743.0	17.416
		15	748.0	19.023
		30	748.0	18.412
		60	748.0	17.407

Table 19 Occupied Bandwidth 64QAM Output

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
256AM	5	15	730.5	4.5156
		30	730.5	3.9846
		15	743.0	4.5130
		30	743.0	3.9833
		15	755.5	4.5104
		30	755.5	3.9843
	10	15	733.0	9.3147
		30	733.0	8.6629
		60	733.0	7.9491
		15	743.0	9.3329
		30	743.0	8.6662
		60	743.0	7.9447
		15	753.0	9.335
		30	753.0	8.6683
		60	753.0	7.9445
	15	15	735.5	14.231
		30	735.5	13.694
		60	735.5	13.083
		15	743.0	14.244
		30	743.0	13.684
		60	743.0	13.066
		15	750.5	14.243
		30	750.5	13.703
		60	750.5	13.079
	20	15	738.0	18.953
		30	738.0	18.285
		60	738.0	17.323
		15	743.0	18.958
		30	743.0	18.296
		60	743.0	17.299
		15	748.0	18.937
		30	748.0	18.296
		60	748.0	17.328

Table 20 Occupied Bandwidth 256QAM Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
	(MHz)	(kHz)	(MHz)	(MHz)
256QAM	5	15	730.5	4.5185
		30	730.5	3.9738
		15	743.0	4.5259
		30	743.0	3.9802
		15	755.5	4.5254
		30	755.5	3.9782
	10	15	733.0	9.2986
		30	733.0	8.5966
		60	733.0	7.9065
		15	743.0	9.3268
		30	743.0	8.6103
		60	743.0	7.9197
		15	753.0	9.3243
		30	753.0	8.6020
		60	753.0	7.9010
	15	15	735.5	14.148
		30	735.5	13.586
		60	735.5	12.931
		15	743.0	14.173
		30	743.0	13.624
		60	743.0	12.947
		15	750.5	14.150
		30	750.5	13.613
		60	750.5	12.923
	20	15	738.0	18.885
		30	738.0	18.230
		60	738.0	17.136
		15	743.0	18.931
		30	743.0	18.266
		60	743.0	17.175
		15	748.0	18.928
		30	748.0	18.257
		60	748.0	17.135

Table 21 Occupied Bandwidth 256QAM Output

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
QPSK	(MHz)	(kHz)	(MHz)	(MHz)
	5	15	730.5	4.4975
		30	730.5	3.9818
		15	743.0	4.4931
		30	743.0	3.9826
		15	755.5	4.4950
		30	755.5	3.9798
	10	15	733.0	9.2965
		30	733.0	8.6482
		60	733.0	7.9439
		15	743.0	9.2980
		30	743.0	8.6446
		60	743.0	7.9481
		15	753.0	9.2977
		30	753.0	8.6469
		60	753.0	7.9487
	15	15	735.5	14.224
		30	735.5	13.768
		60	735.5	13.066
		15	743.0	14.223
		30	743.0	13.780
		60	743.0	13.067
		15	750.5	14.223
		30	750.5	13.774
		60	750.5	13.068
	20	15	738.0	18.888
		30	738.0	18.278
		60	738.0	17.293
		15	743.0	18.895
		30	743.0	18.278
		60	743.0	17.299
		15	748.0	18.900
		30	748.0	18.283
		60	748.0	17.295

Table 22 Occupied Bandwidth QPSK Input

Modulation	Bandwidth	Sub Carrier	Operation Frequency	Reading
QPSK	(MHz)	(kHz)	(MHz)	(MHz)
	5	15	730.5	4.5262
		30	730.5	3.9651
		15	743.0	4.5342
		30	743.0	3.9667
		15	755.5	4.5244
		30	755.5	3.9637
	10	15	733.0	9.3256
		30	733.0	8.6248
		60	733.0	7.9364
		15	743.0	9.3419
		30	743.0	8.6368
		60	743.0	7.9541
		15	753.0	9.3245
		30	753.0	8.6288
		60	753.0	7.9418
	15	15	735.5	14.120
		30	735.5	13.649
		60	735.5	13.147
		15	743.0	14.144
		30	743.0	13.680
		60	743.0	13.214
		15	750.5	14.136
		30	750.5	13.675
		60	750.5	13.164
	20	15	738.0	18.826
		30	738.0	18.155
		60	738.0	17.352
		15	743.0	18.861
		30	743.0	18.184
		60	743.0	17.406
		15	748.0	18.872
		30	748.0	18.177
		60	748.0	17.370

Table 23 Occupied Bandwidth QPSK Output

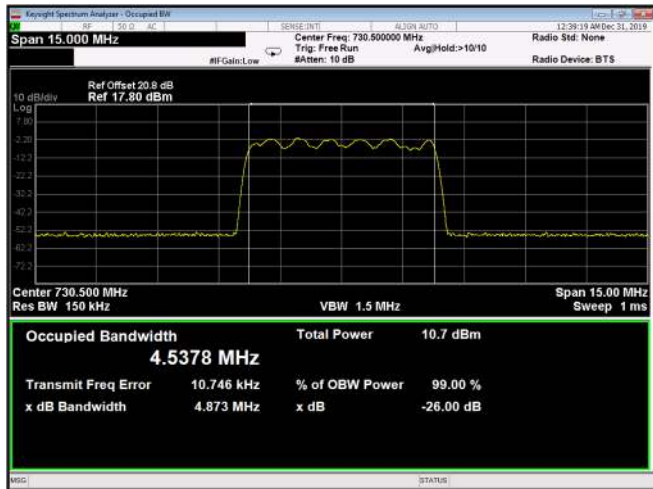


Figure 357: 16QAM 5MHz B.W.; 730.5MHz, 15kHz Input

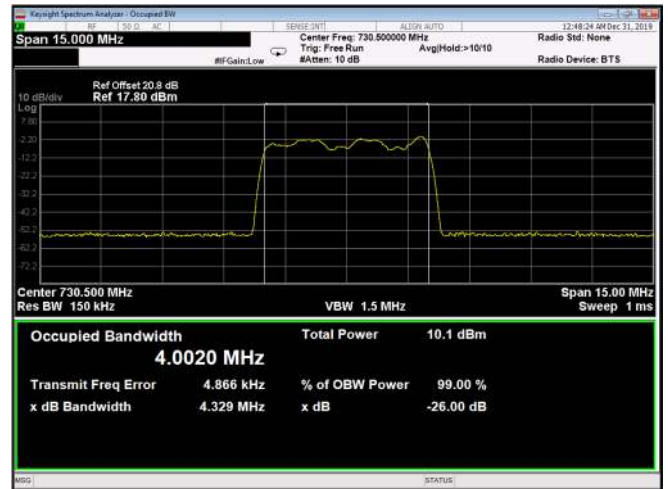


Figure 358: 16QAM 5MHz B.W.; 730.5MHz, 30kHz Input

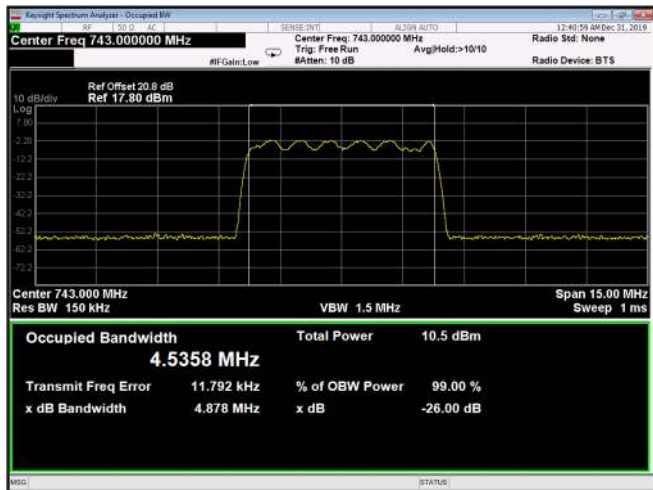


Figure 359: 16QAM 5MHz B.W.; 743.0MHz, 15kHz Input

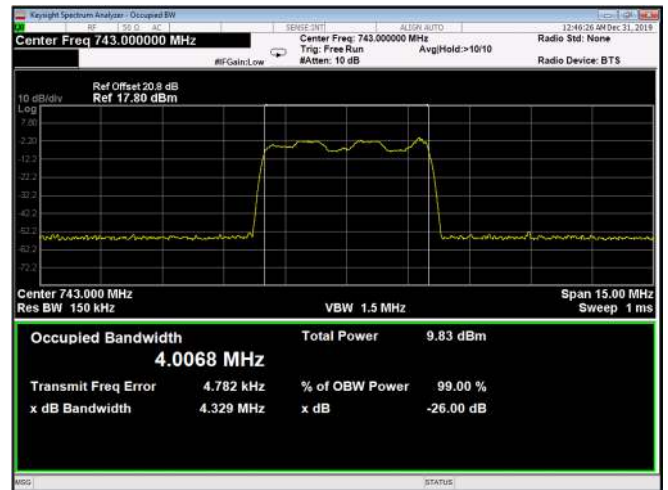


Figure 360: 16QAM 5MHz B.W.; 743.0MHz, 30kHz Input

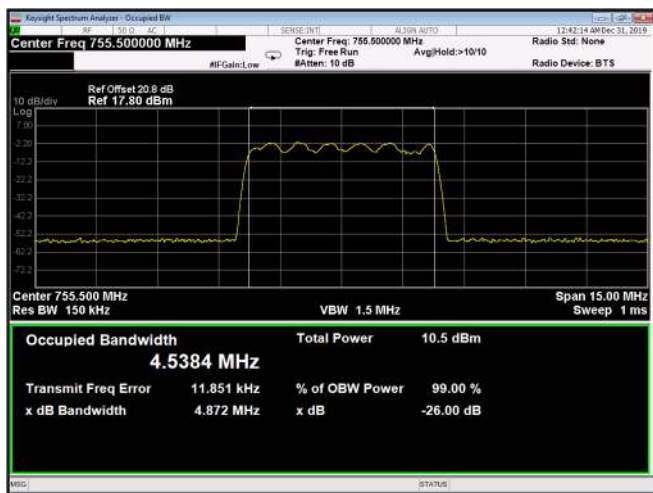


Figure 361: 16QAM 5MHz B.W.; 755.5MHz, 15kHz Input

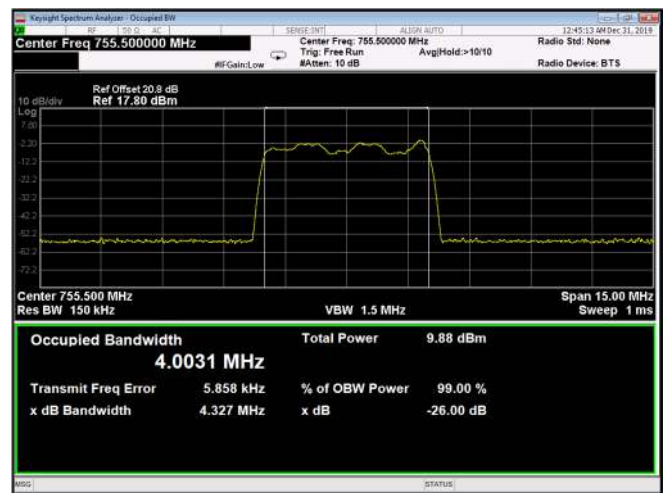


Figure 362: 16QAM 5MHz C.S.; 755.5MHz, 30kHz Input

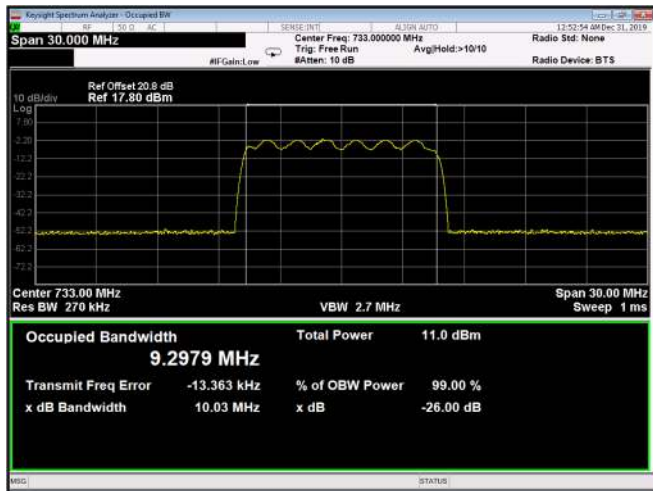


Figure 363: 16QAM 10MHz B.W.; 733.0MHz, 15kHz Input

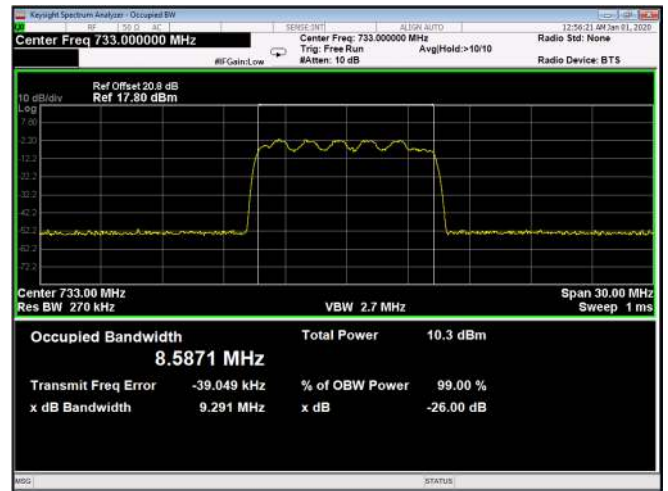


Figure 364: 16QAM 10MHz B.W.; 733.0MHz, 30kHz Input

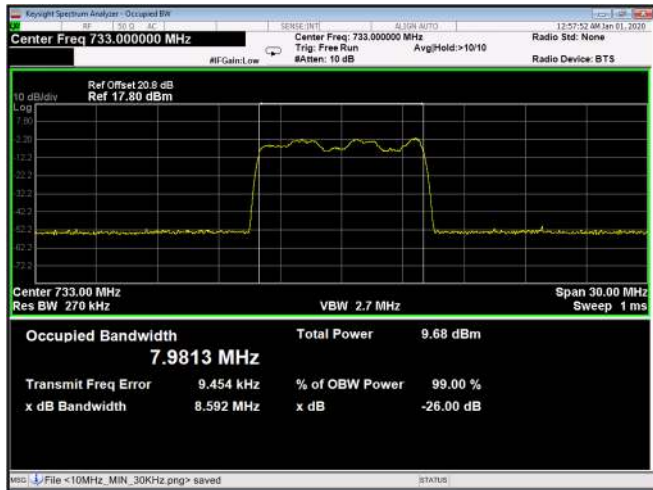


Figure 365: 16QAM 10MHz B.W.; 733.0MHz, 60kHz Input

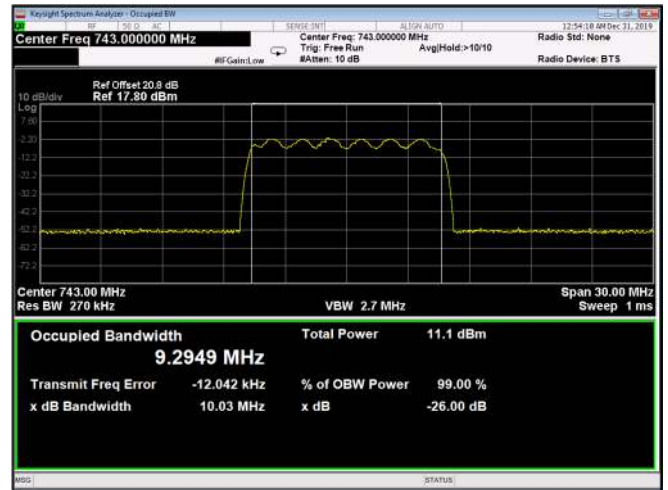


Figure 366: 16QAM 10MHz B.W.; 743.0MHz, 15kHz Input

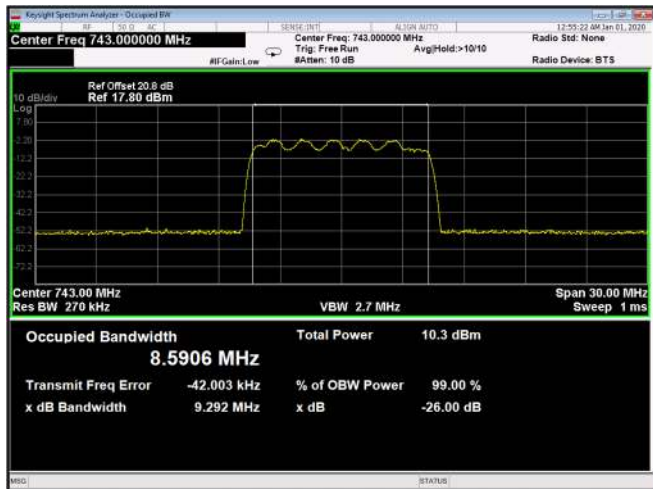


Figure 367: 16QAM 10MHz B.W.; 743.0MHz, 30kHz Input

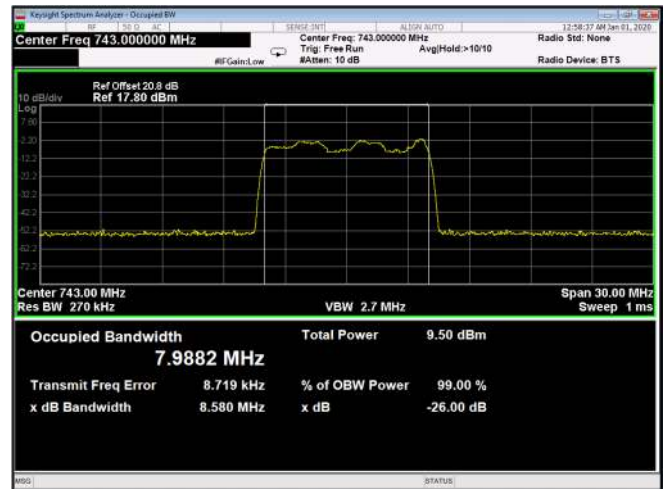


Figure 368: 16QAM 10MHz B.W.; 743.0MHz, 60kHz Input

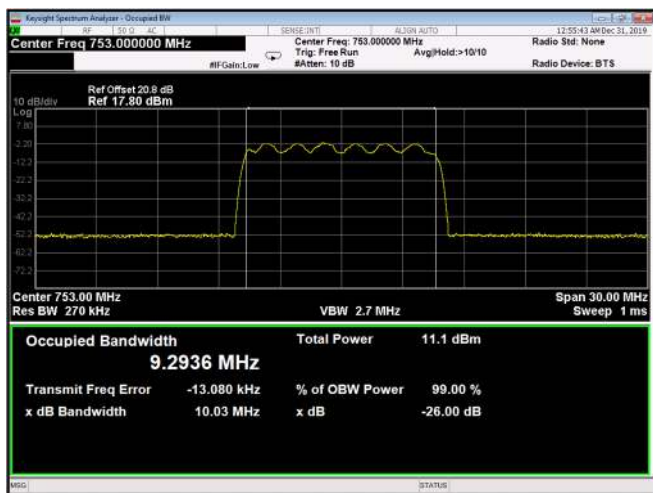


Figure 369: 16QAM 10MHz B.W.; 753.0MHz, 15kHz Input

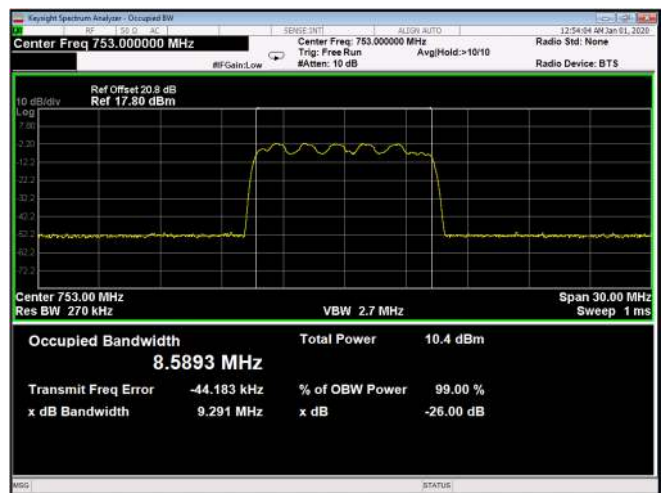


Figure 370: 16QAM 10MHz C.S; 753.0MHz, 30kHz Input

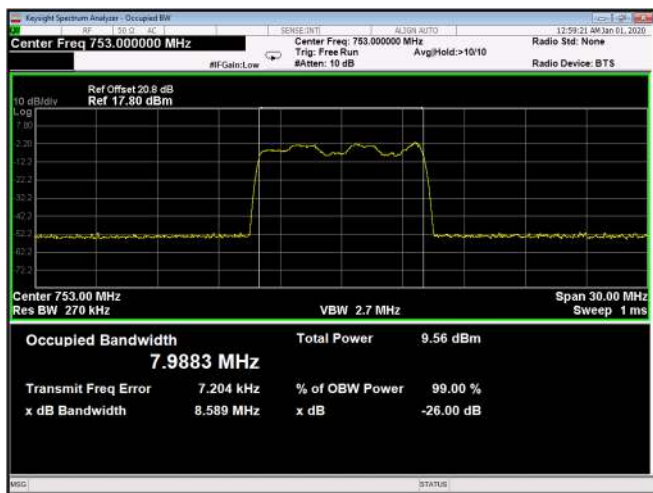


Figure 371: 16QAM 10MHz B.W.; 753.0MHz, 60kHz Input

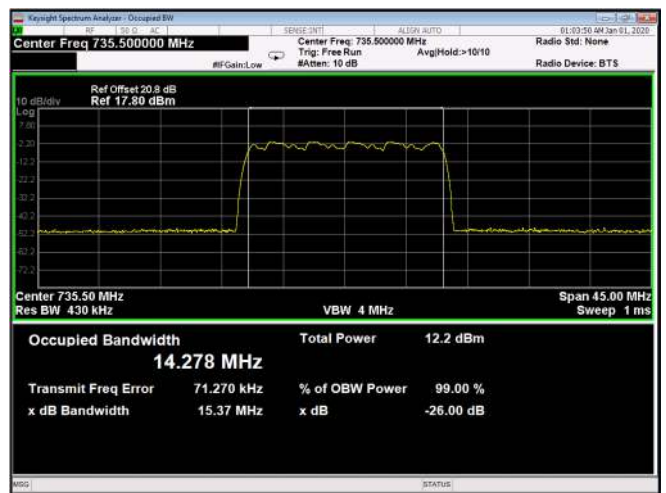


Figure 372: 16QAM 15MHz B.W.; 735.5MHz, 15kHz Input

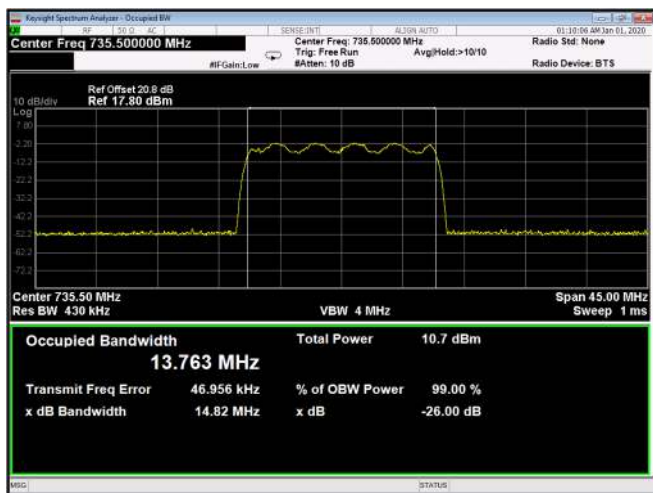


Figure 373: 16QAM 15MHz B.W.; 735.5MHz, 30kHz Input

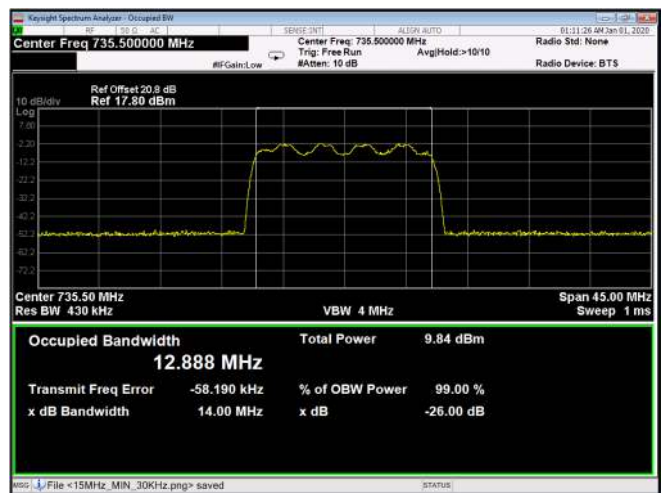


Figure 374: 16QAM 15MHz B.W.; 735.5MHz, 60kHz Input

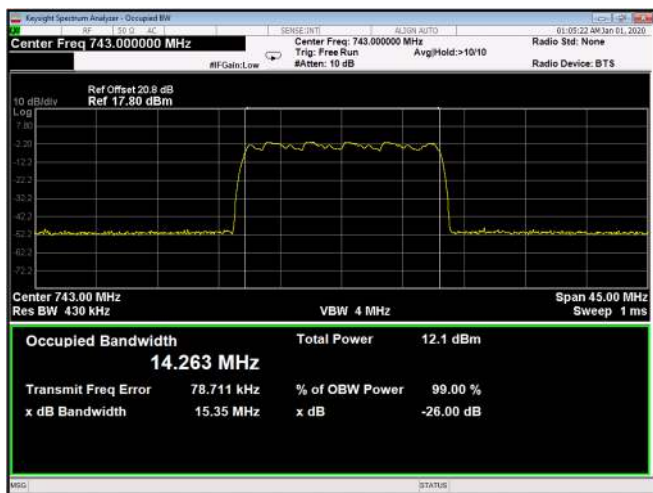


Figure 375: 16QAM 15MHz B.W.; 743.0MHz, 15kHz Input

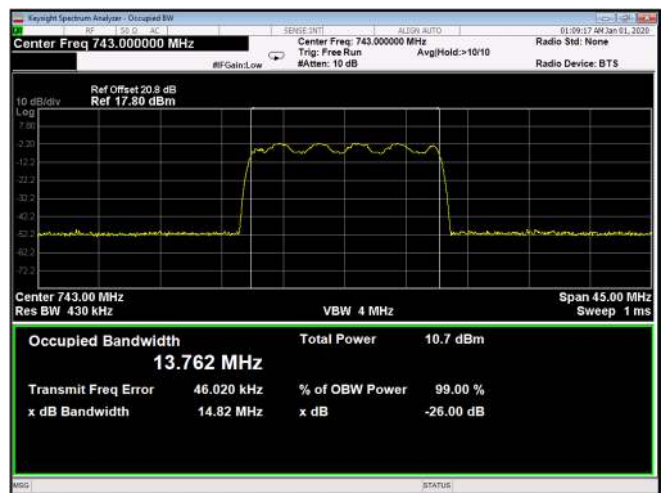


Figure 376: 16QAM 15MHz B.W.; 743.0MHz, 30 kHz Input

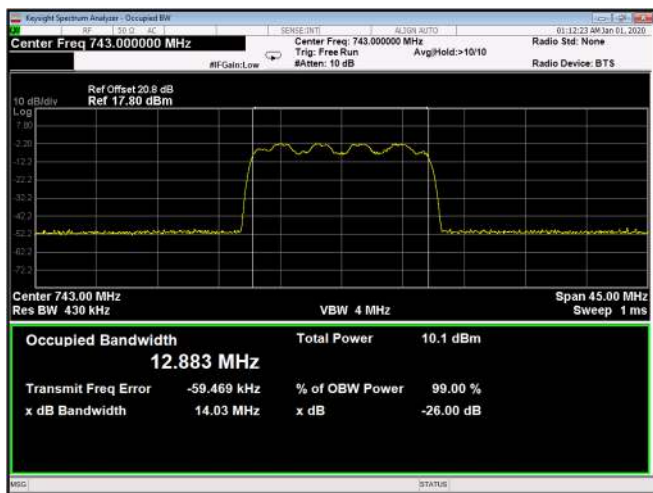


Figure 377: 16QAM 15MHz B.W.; 743.0MHz, 60kHz Input

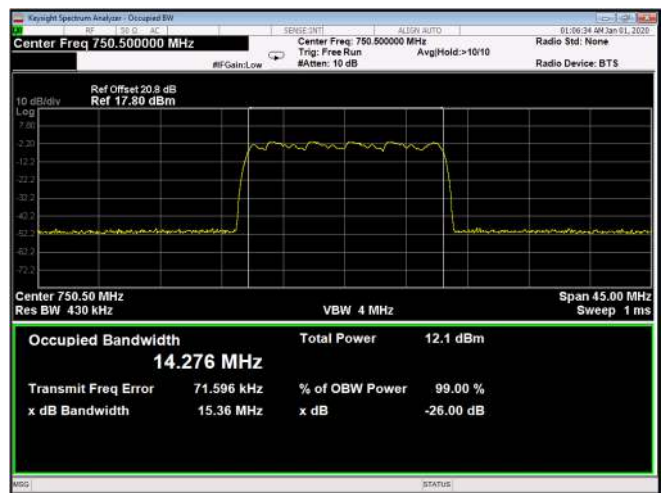


Figure 378: 16QAM 15MHz B.W.; 750.5MHz, 15kHz Input

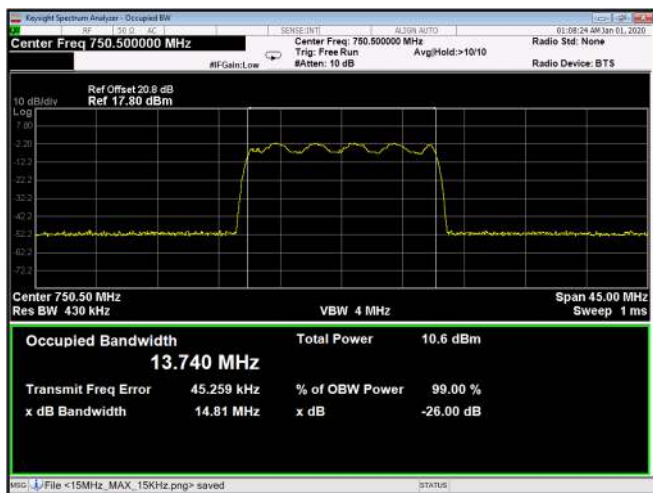


Figure 379: 16QAM 15MHz B.W.; 750.5MHz, 30kHz Input

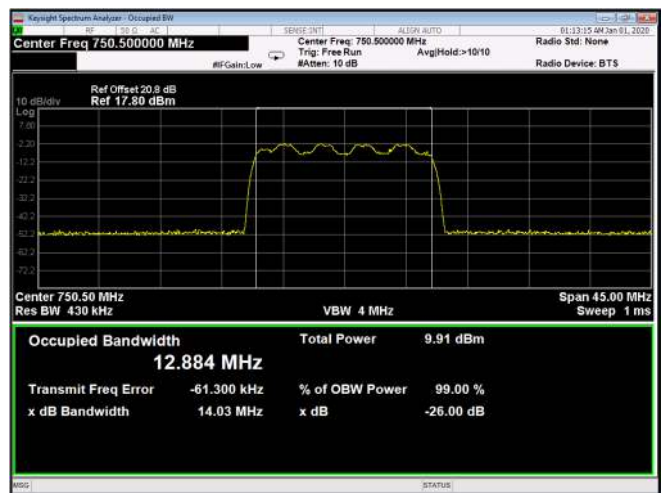


Figure 380: 16QAM 15MHz; 750.5MHz, 60kHz Input

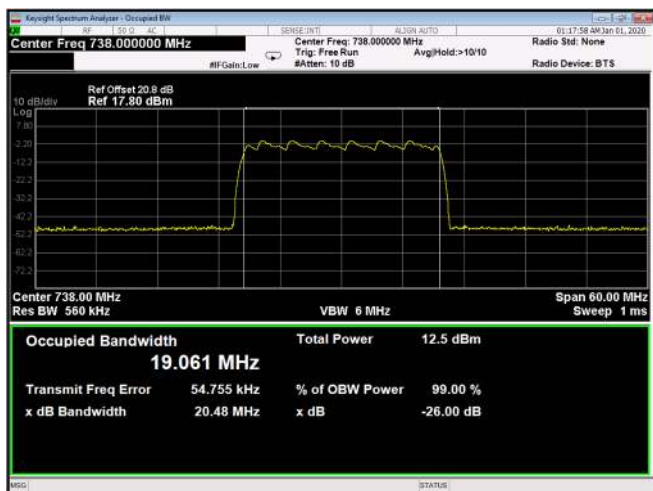


Figure 381: 16QAM 20MHz B.W.; 738.0MHz, 15 kHz Input

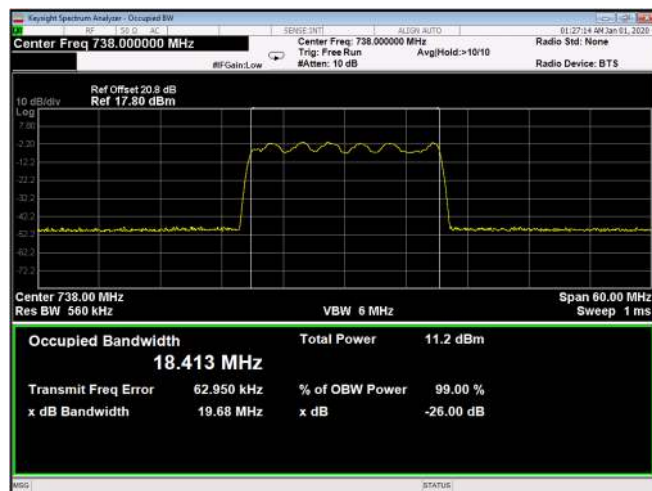


Figure 382: 16QAM 20MHz B.W.; 738.0MHz, 30kHz Input

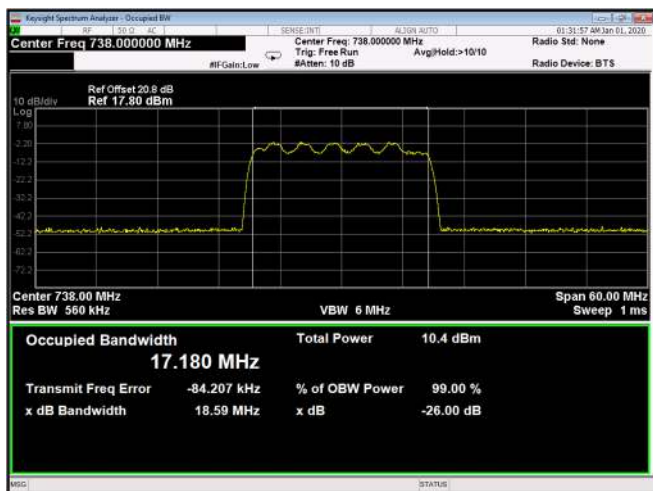


Figure 383: 16QAM 20MHz B.W.; 738.0MHz, 60kHz Input

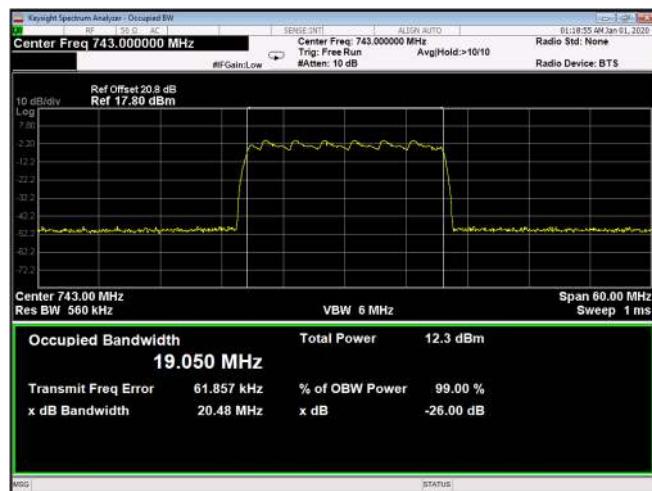


Figure 384: 16QAM 20MHz B.W.; 743.0MHz, 15kHz Input

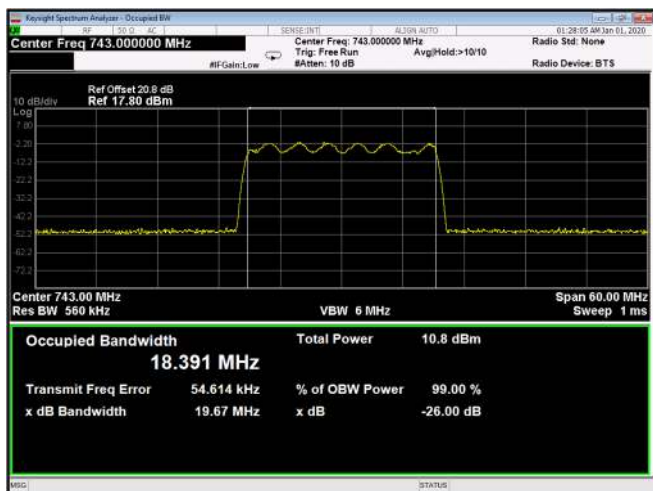


Figure 385: 16QAM 20MHz B.W.; 743.0MHz, 30kHz Input

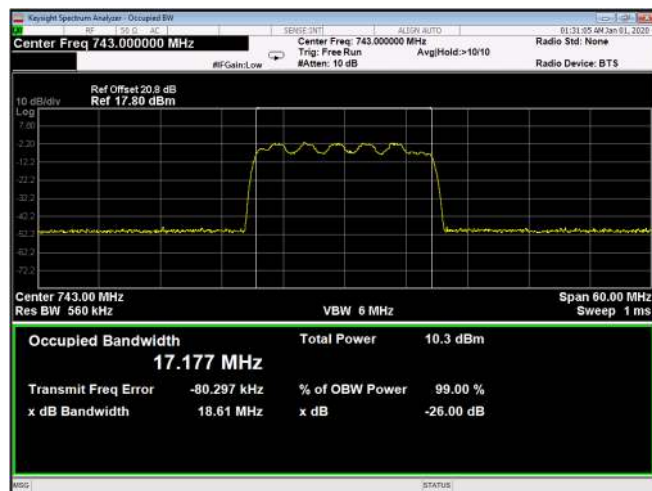


Figure 386: 16QAM 20MHz B.W.; 743.0MHz, 60kHz Input

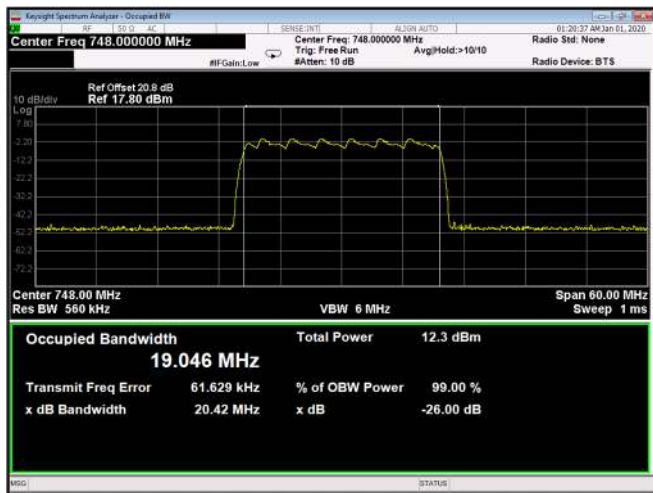


Figure 387: 16QAM 20MHz B.W.; 748.0MHz, 15kHz Input

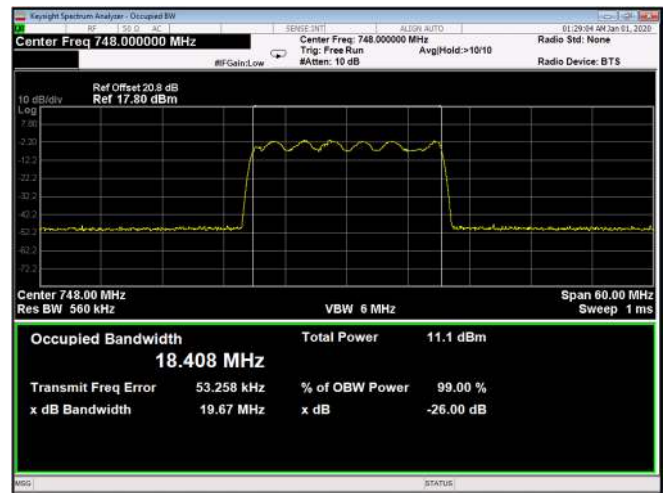


Figure 388: 16QAM 20MHz B.W.; 748.0MHz, 30kHz Input

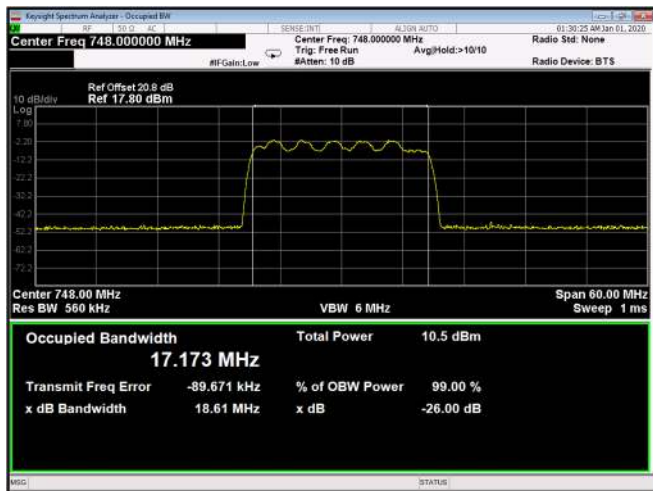


Figure 389: 16QAM 20MHz B.W.; 748.0MHz, 60kHz Input

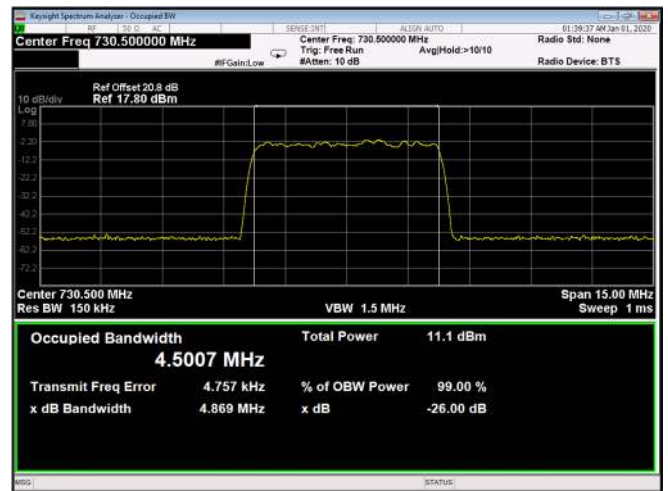


Figure 390: 64QAM 5MHz B.W.; 730.5MHz, 15kHz Input

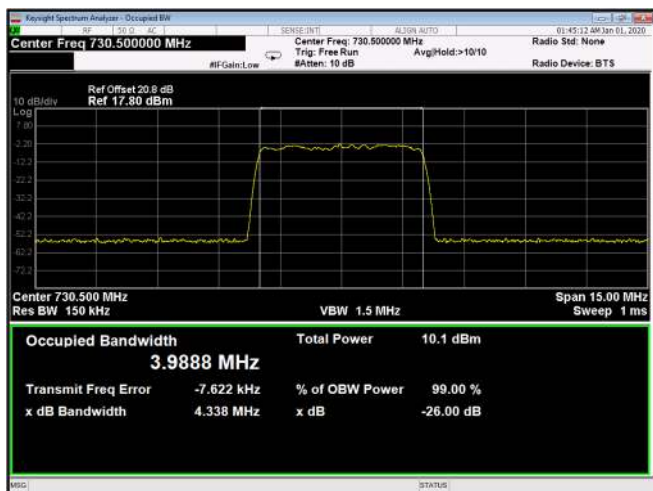


Figure 391: 64QAM 5MHz B.W.; 730.5MHz, 30kHz Input

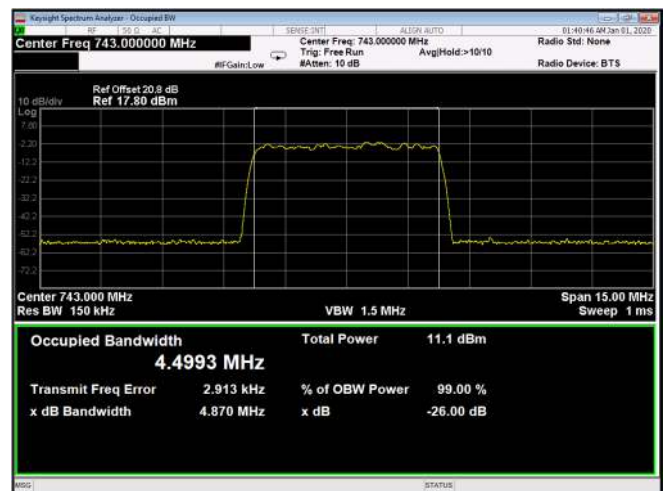


Figure 392: 64QAM 5MHz B.W.; 743.0MHz, 15kHz Input

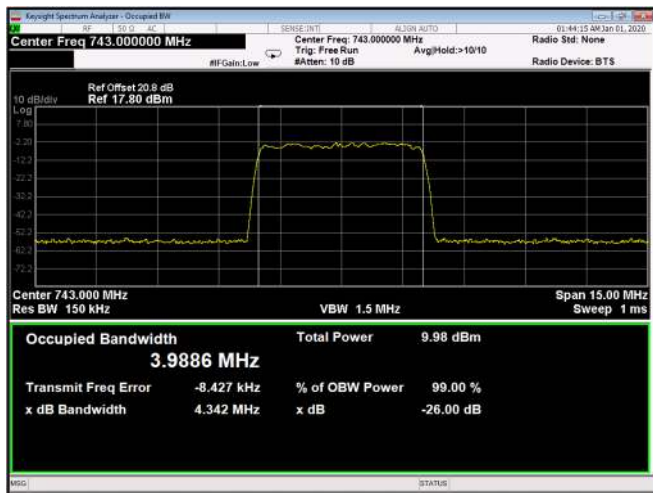


Figure 393: 64QAM 5MHz B.W.; 743.0MHz, 30kHz Input

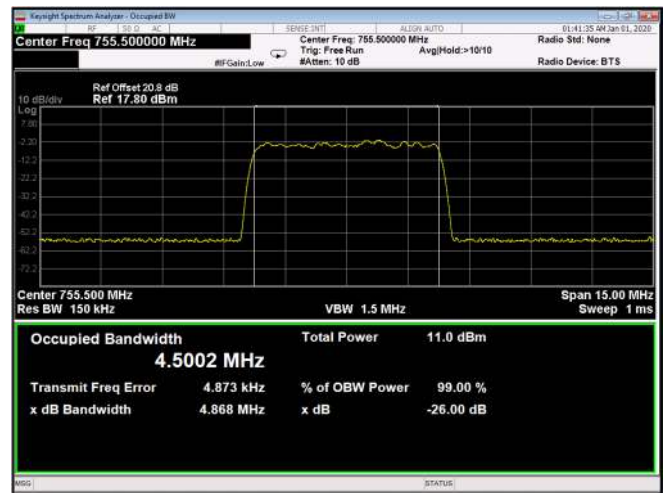


Figure 394: 64QAM 5MHz B.W.; 755.5MHz, 15kHz Input

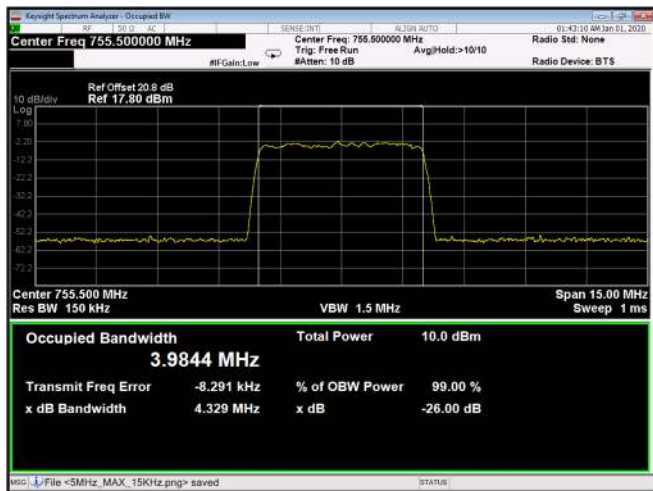


Figure 395: 64QAM 5MHz B.W.; 755.5MHz, 30kHz Input

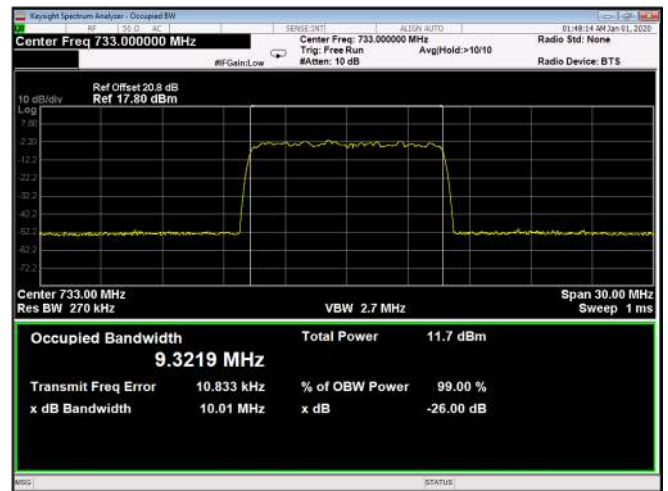


Figure 396: 64QAM 10MHz B.W.; 733.0MHz, 15kHz Input

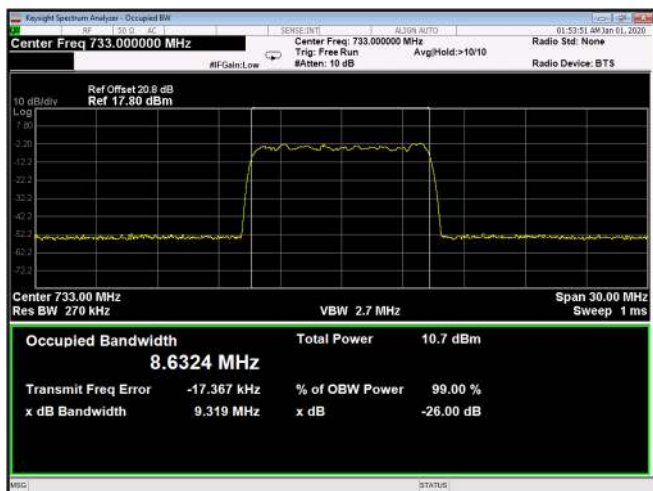


Figure 397: 64QAM 10MHz B.W.; 733.0MHz, 60kHz Input

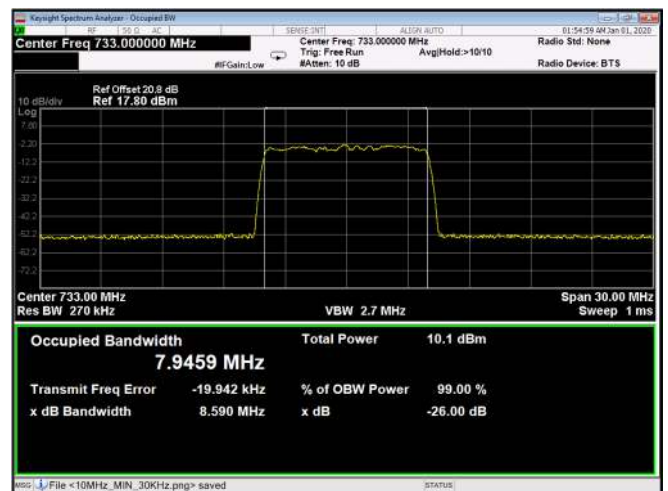


Figure 398: 64QAM 10MHz B.W.; 733.0MHz, 60kHz Input

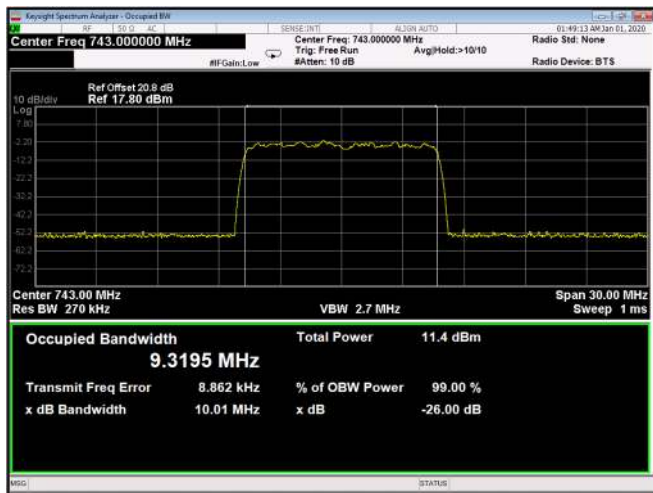


Figure 399: 64QAM 10MHz B.W.; 743.0MHz, 15kHz Input

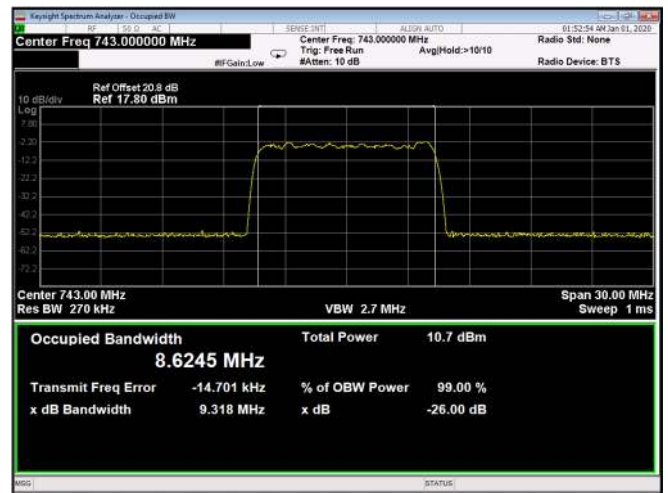


Figure 400: 64QAM 10MHz B.W.; 743.0MHz, 30kHz Input

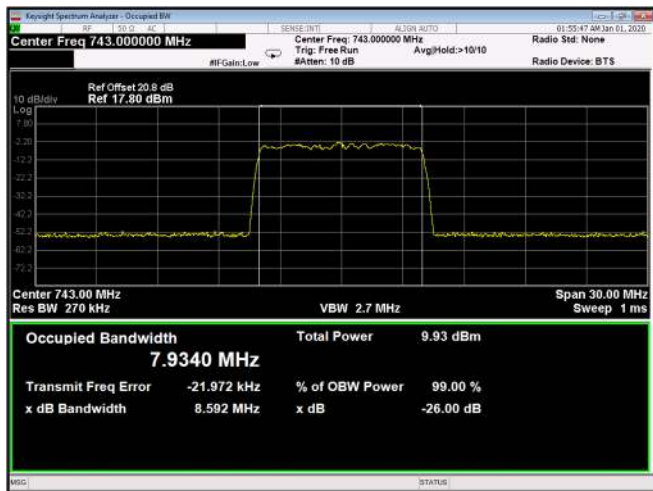


Figure 401: 64QAM 10MHz B.W.; 743.0MHz, 60kHz Input

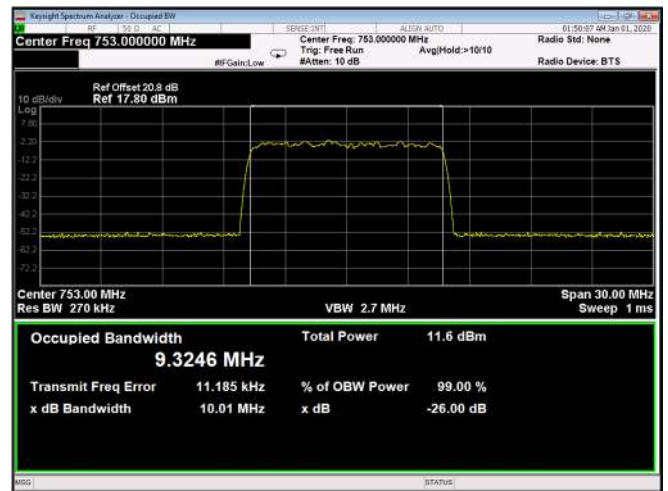


Figure 402: 64QAM 10MHz B.W.; 753.0MHz, 15kHz Input

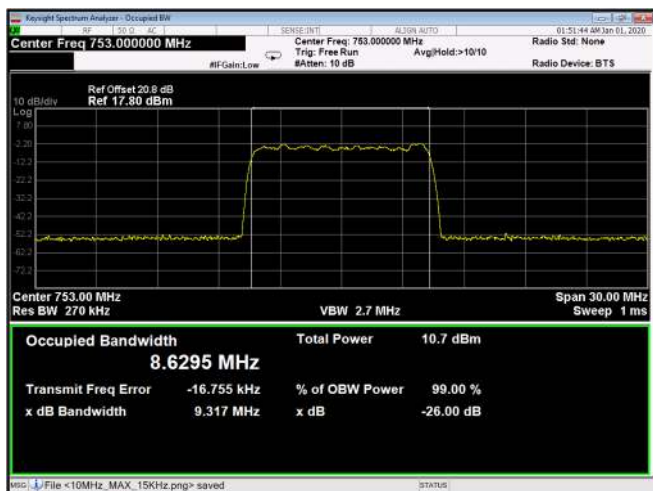


Figure 403: 64QAM 10MHz B.W.; 753.0MHz, 30kHz Input

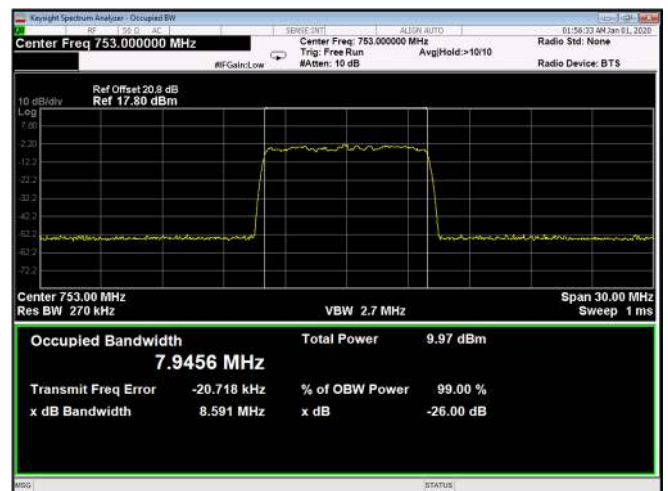


Figure 404: 64QAM 10MHz B.W.; 753.0 MHz, 60kHz Input

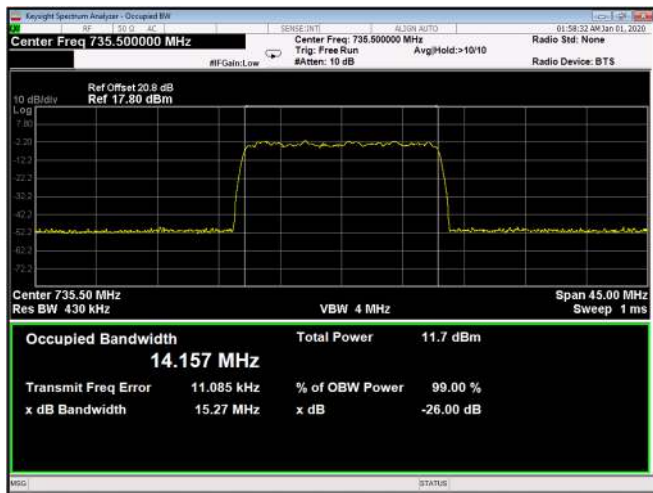


Figure 405: 64QAM 15MHz B.W.; 735.5MHz, 15kHz Input

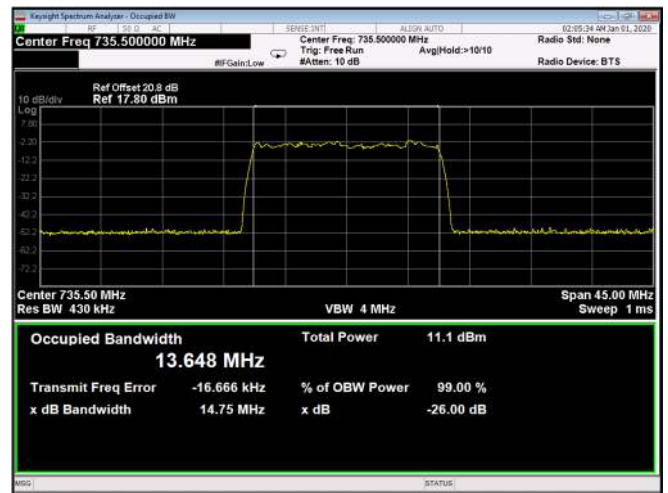


Figure 406: 64QAM 15MHz B.W.; 735.5MHz, 30kHz Input

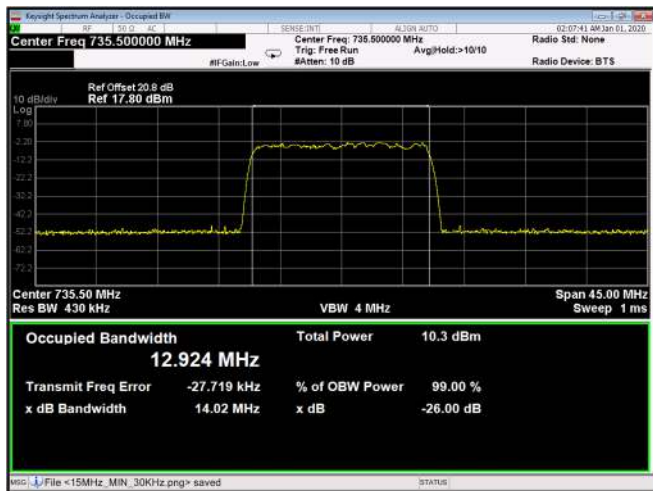


Figure 407: 64QAM 15MHz B.W.; 735.5MHz, 60kHz Input

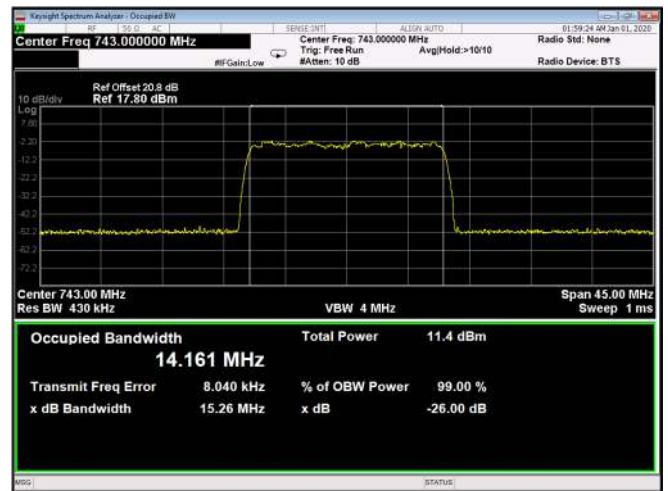


Figure 408: 64QAM 15MHz B.W.; 743.0MHz, 15kHz Input

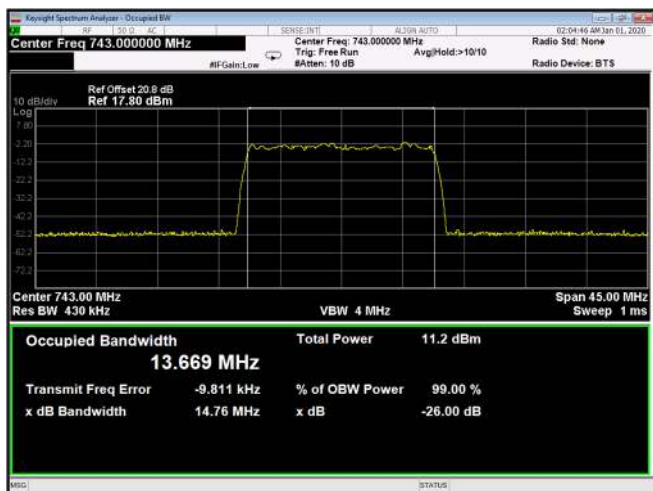


Figure 409: 64QAM 15MHz B.W.; 743.0MHz, 30kHz Input

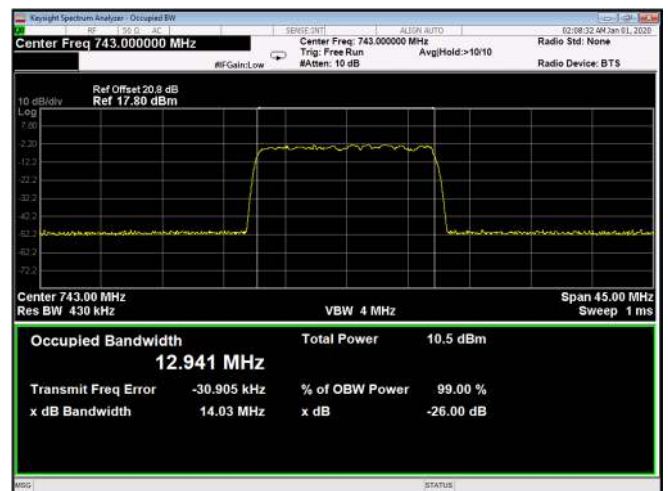


Figure 410: 64QAM 15MHz B.W.; 743.0MHz, 60kHz Input

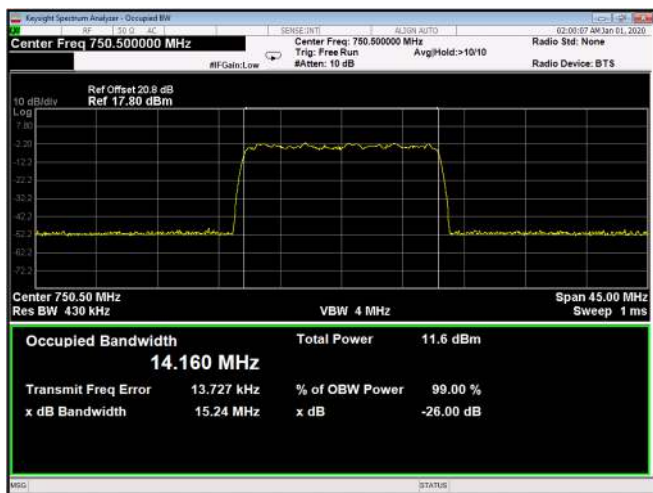


Figure 411: 64QAM 15MHz B.W.; 750.5MHz, 15kHz Input

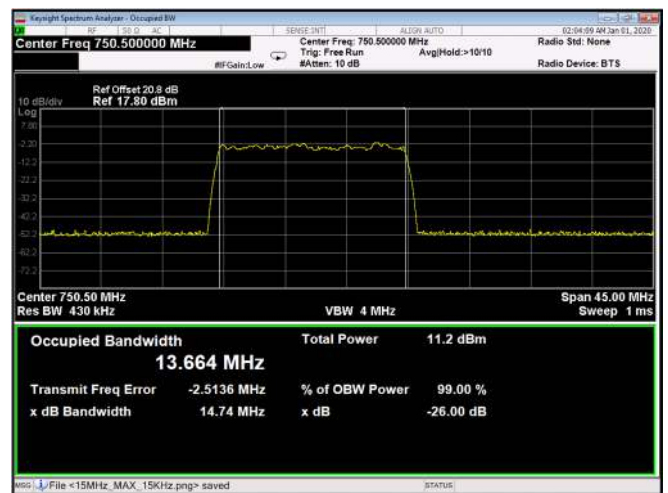


Figure 412: 64QAM 15MHz B.W.; 750.5MHz, 30kHz Input

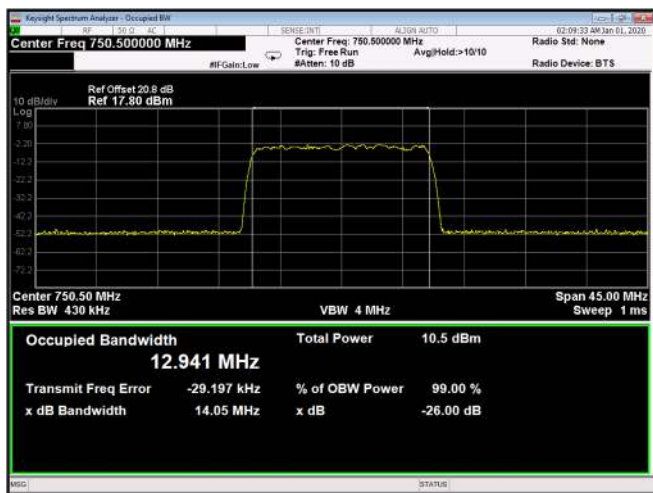


Figure 413: 64QAM 15MHz B.W.; 750.5MHz, 60kHz Input

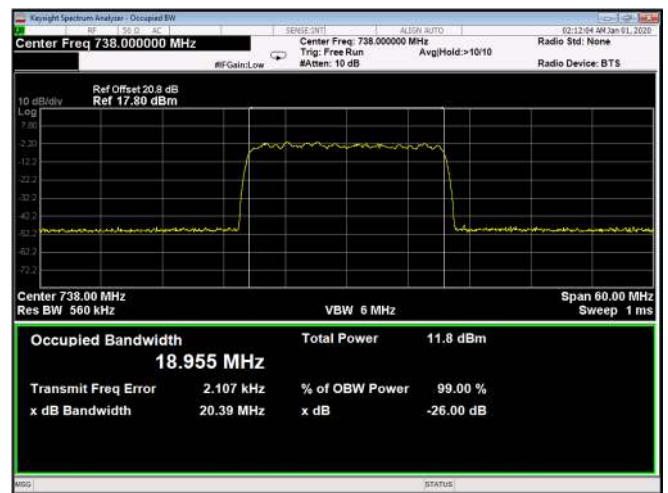


Figure 414: 64QAM 20MHz B.W.; 738.0MHz, 15kHz Input

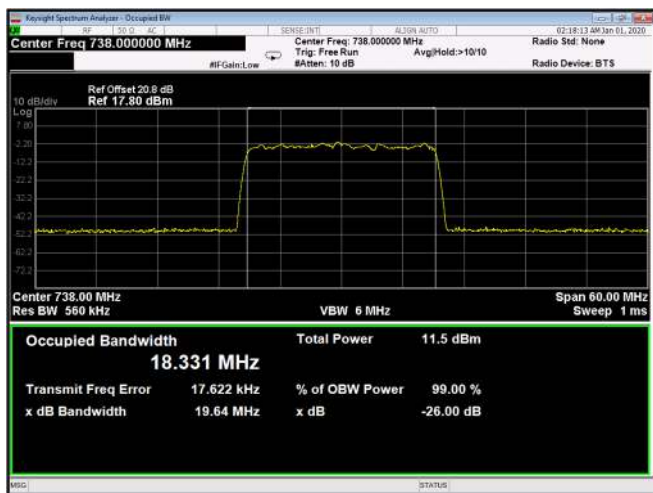


Figure 415: 64QAM 20MHz B.W.; 738.0MHz, 30kHz Input

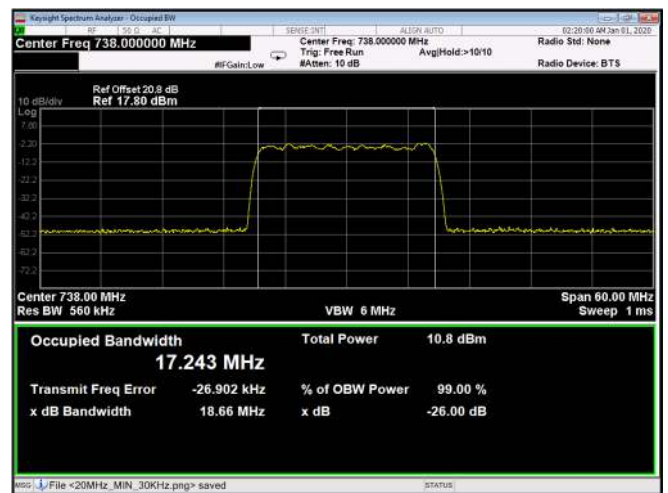


Figure 416: 64QAM 20MHz B.W.; 738.0MHz, 60kHz Input

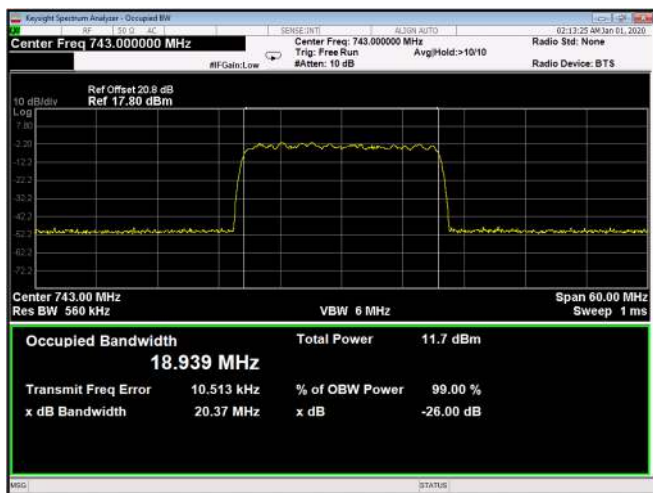


Figure 417: 64QAM 20MHz B.W.; 743.0MHz, 15kHz Input

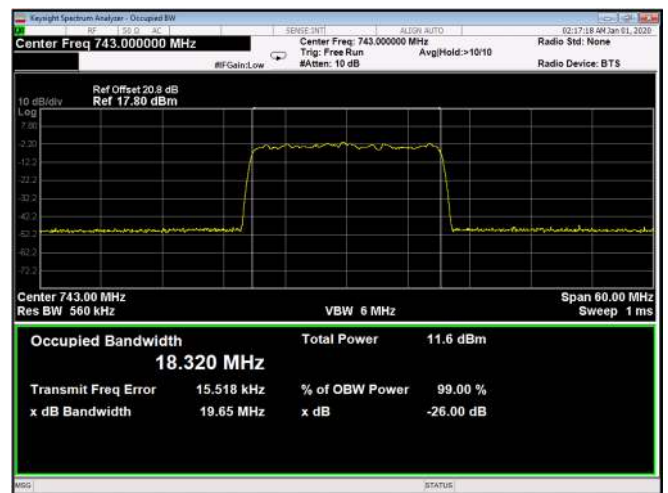


Figure 418: 64QAM 20MHz B.W.; 743.0MHz, 30kHz Input

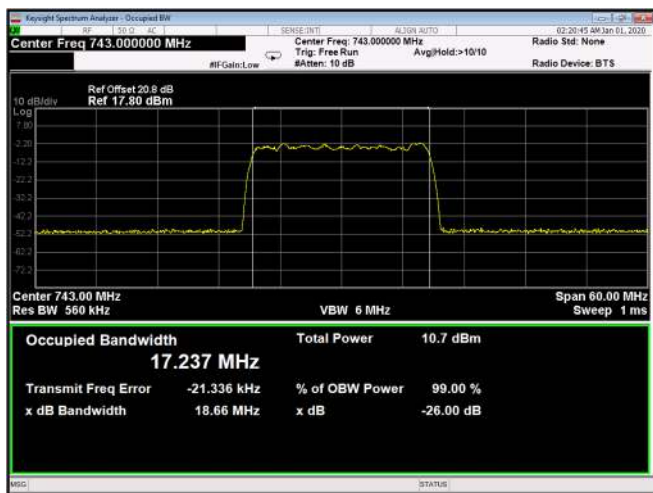


Figure 419: 64QAM 20MHz B.W.; 743.0MHz, 60kHz Input

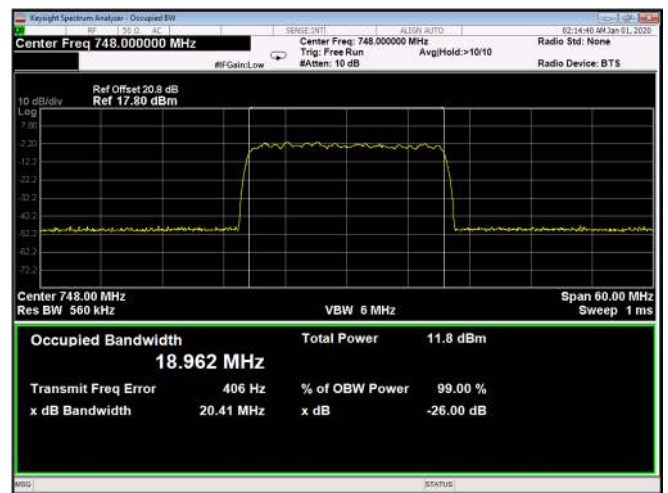


Figure 420: 64QAM 20MHz B.W.; 748.0MHz, 15kHz Input

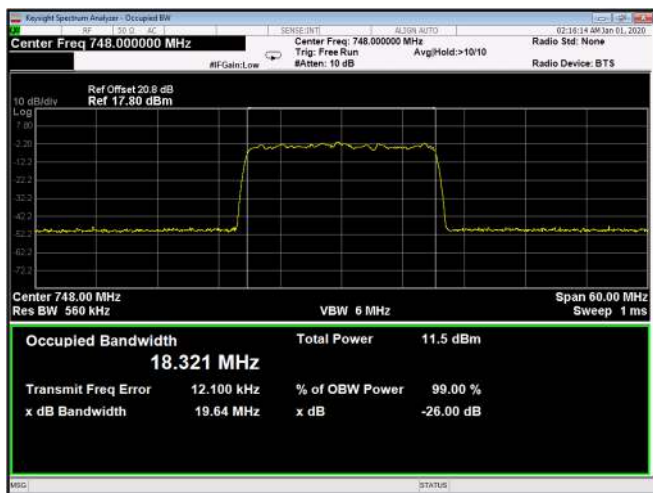


Figure 421: 64QAM 20MHz B.W.; 748.0MHz, 30kHz Input

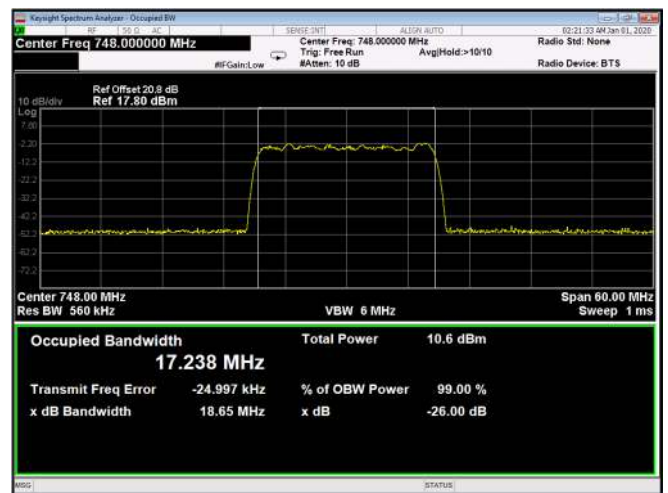


Figure 422: 64QAM 5MHz B.W.; 748.0MHz, 60kHz Input

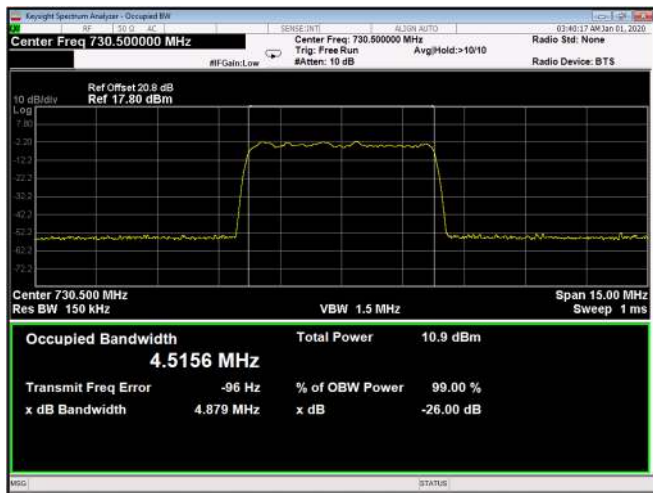


Figure 423: 256QAM 5MHz B.W.; 730.5MHz, 15kHz Input

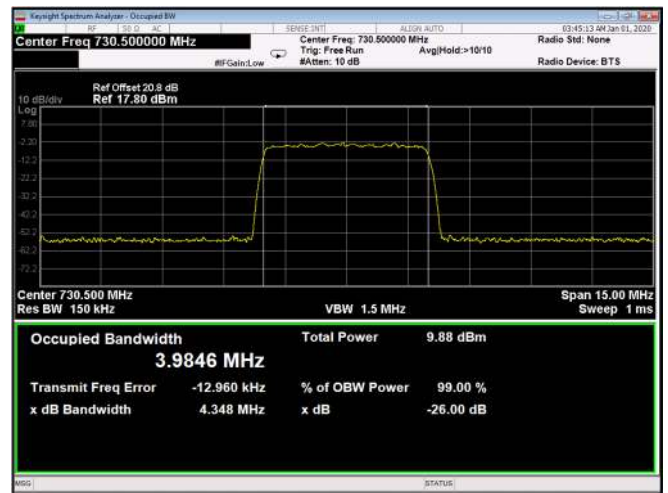


Figure 424: 256QAM 5MHz B.W.; 730.5MHz, 30kHz Input

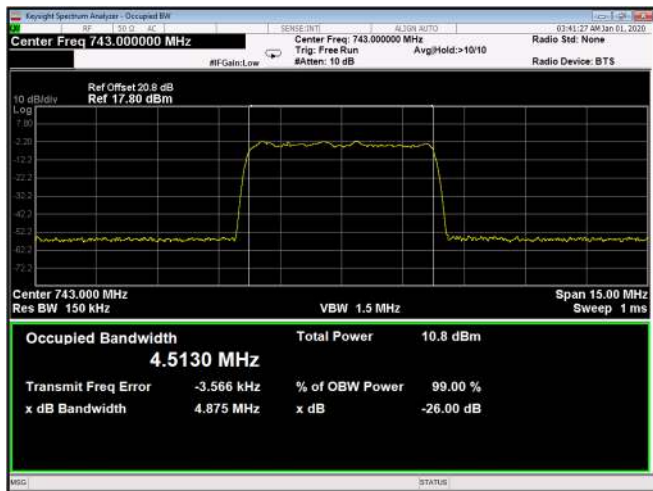


Figure 425: 256QAM 5MHz B.W.; 743.0MHz, 15kHz Input

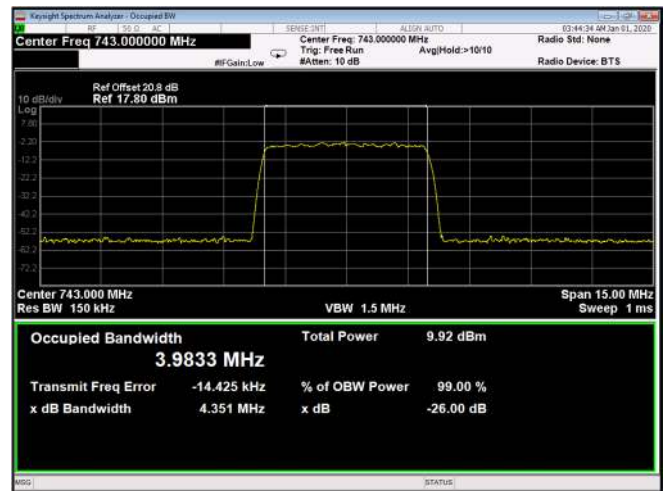


Figure 426: 256QAM 5MHz B.W.; 743.0MHz, 30kHz Input

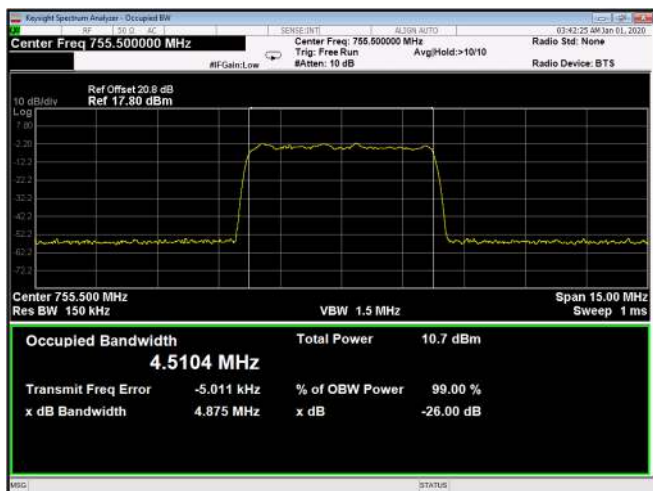


Figure 427: 256QAM 5MHz B.W.; 755.5MHz, 15kHz Input

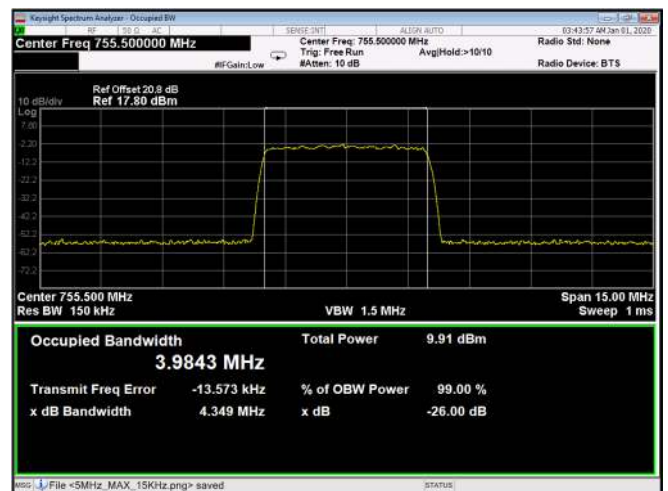


Figure 428: 256QAM 5MHz B.W.; 755.5MHz, 30kHz Input

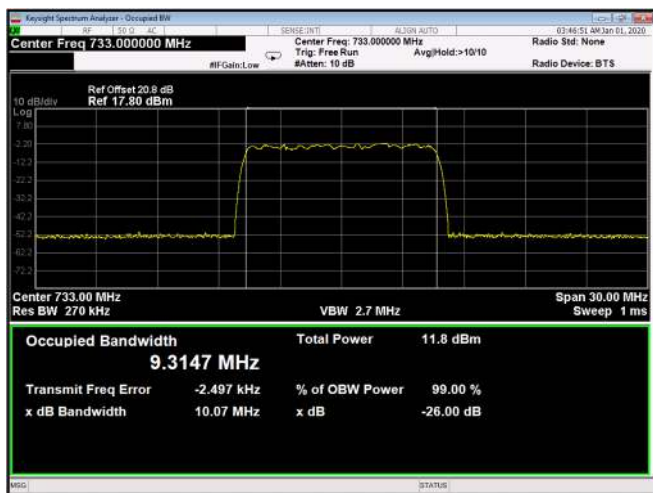


Figure 429: 256QAM 10MHz B.W.; 733.0MHz, 15kHz Input

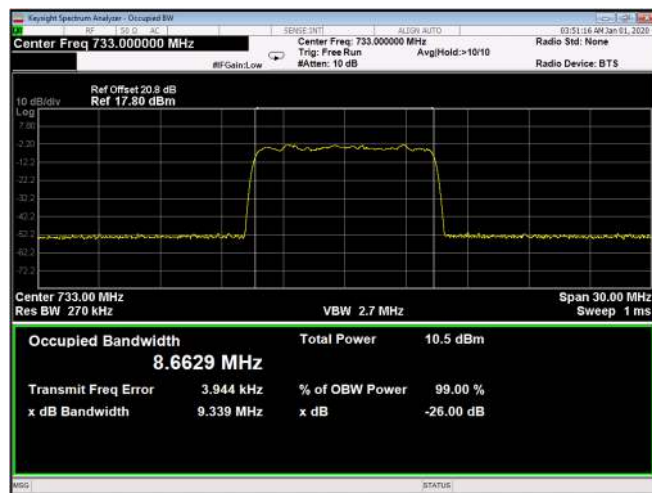


Figure 430: 256QAM 10MHz B.W.; 733.0MHz, 30kHz Input

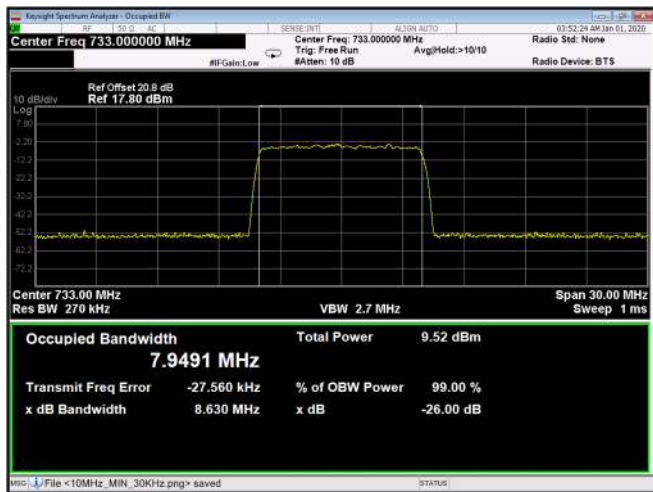


Figure 431: 256QAM 10MHz B.W.; 733.0MHz, 60kHz Input

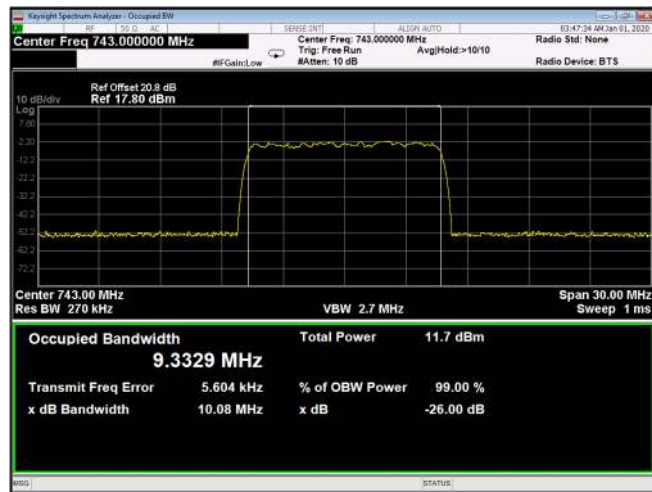


Figure 432: 256QAM 10MHz B.W.; 743.0MHz, 15kHz Input

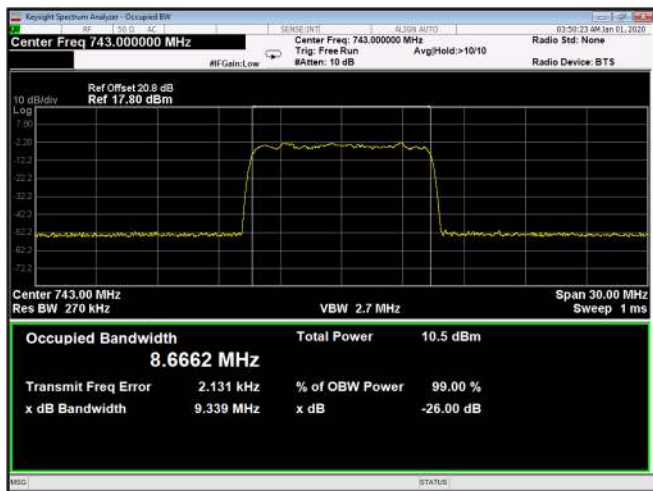


Figure 433: 256QAM 10MHz B.W.; 743.0MHz, 30kHz Input

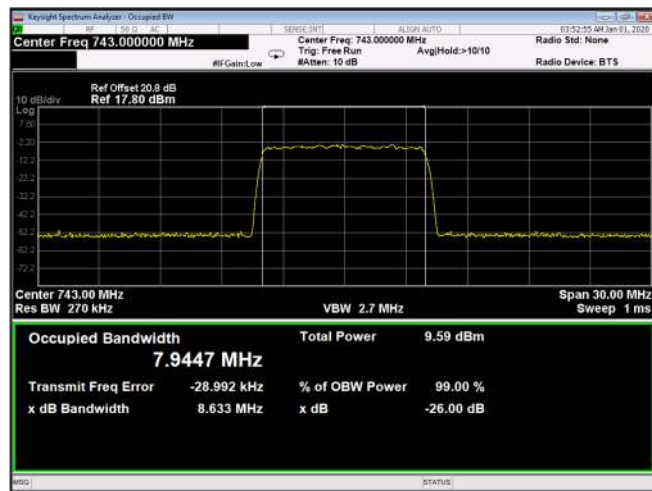


Figure 434: 256QAM 10MHz B.W.; 743.0MHz, 60kHz Input

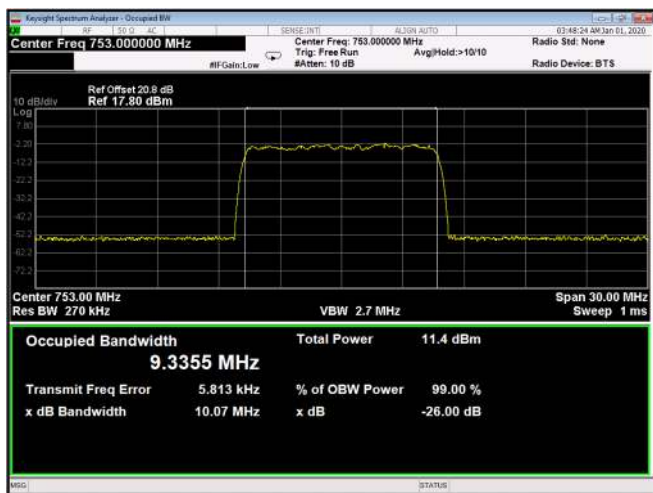


Figure 435: 256QAM 10MHz B.W.; 753.0MHz, 15kHz Input

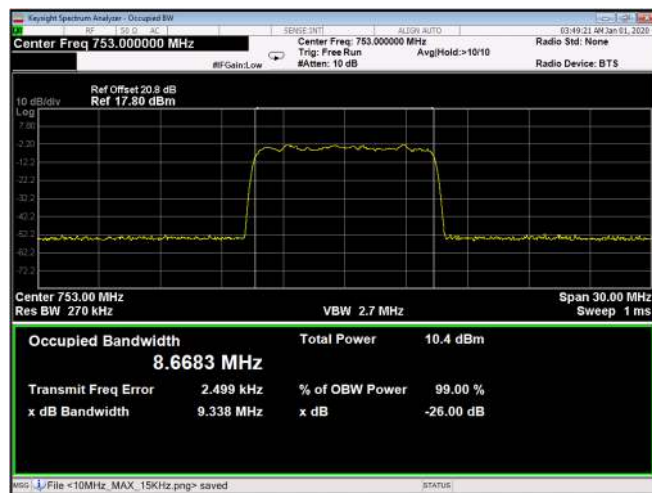


Figure 436: 256QAM 10MHz B.W.; 753.0MHz, 30kHz Input

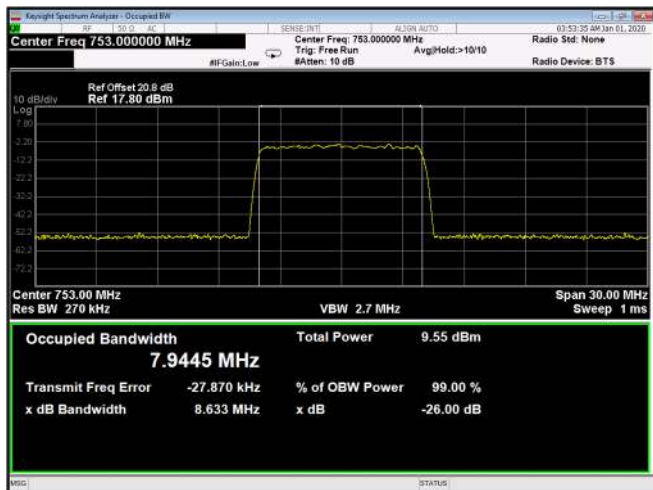


Figure 437: 256QAM 10MHz B.W.; 753.0MHz, 60kHz Input

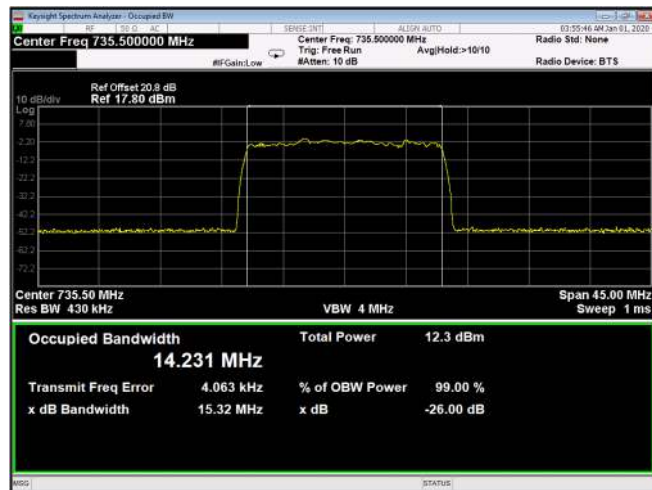


Figure 438: 256QAM 15MHz B.W.; 735.5MHz, 15kHz Input

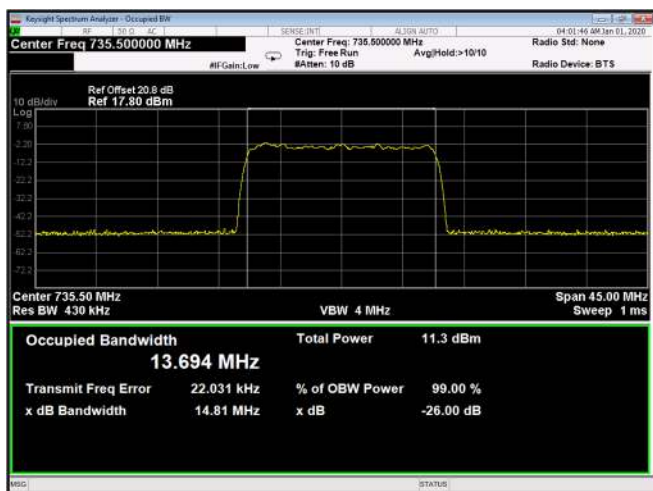


Figure 439: 256QAM 15MHz B.W.; 735.5MHz, 30kHz Input

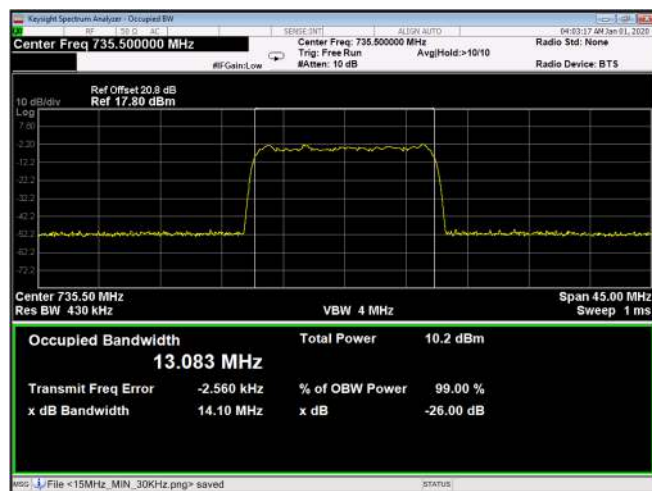


Figure 440: 256QAM 15MHz B.W.; 735.5MHz, 60kHz Input

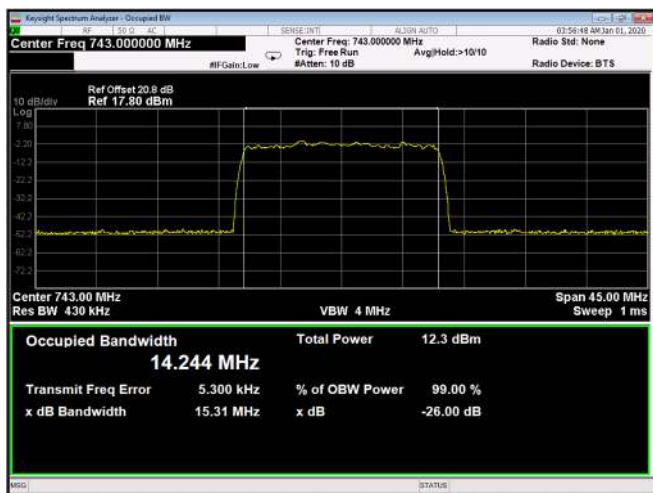


Figure 441: 256QAM 15MHz B.W.; 743.0MHz, 15kHz Input

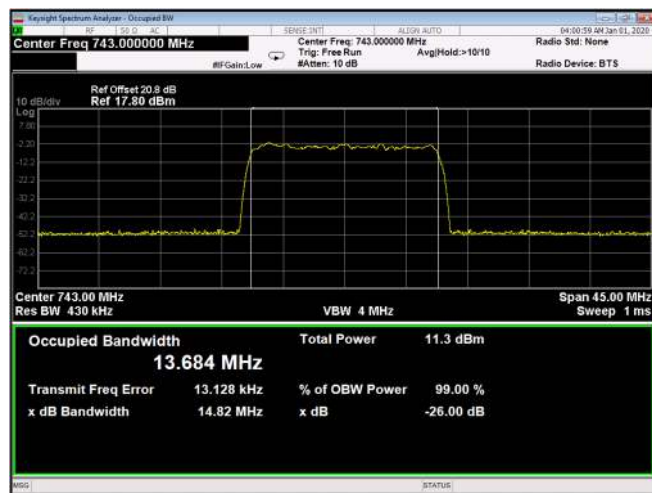


Figure 442: 256QAM 15MHz B.W.; 743.0MHz, 30kHz Input

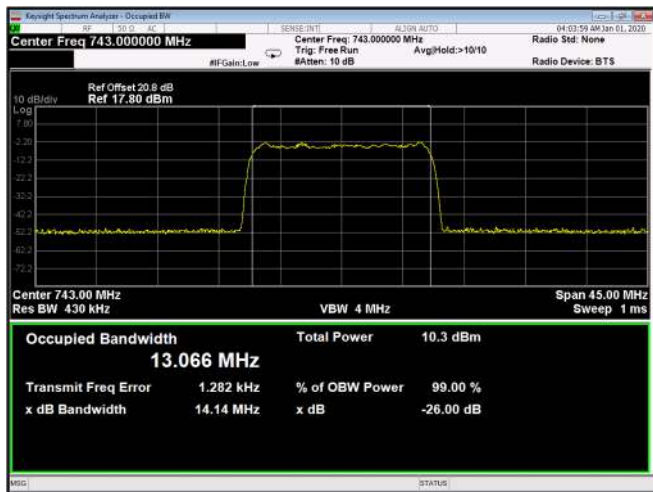


Figure 443: 256QAM 15MHz B.W.; 743.0MHz, 60kHz Input

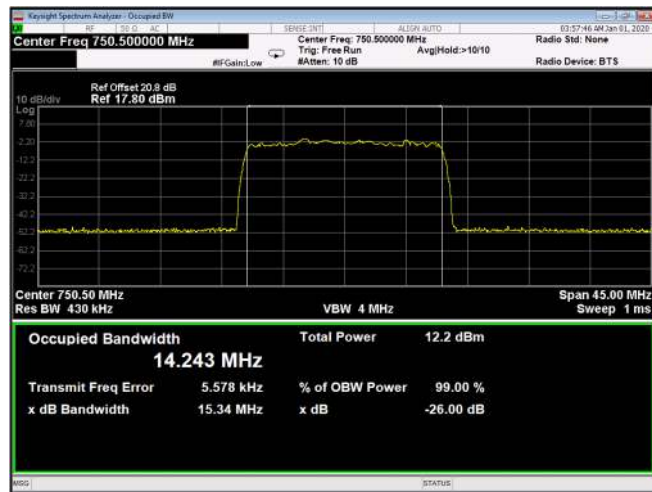


Figure 444: 256QAM 15MHz B.W.; 750.5MHz, 15kHz Input

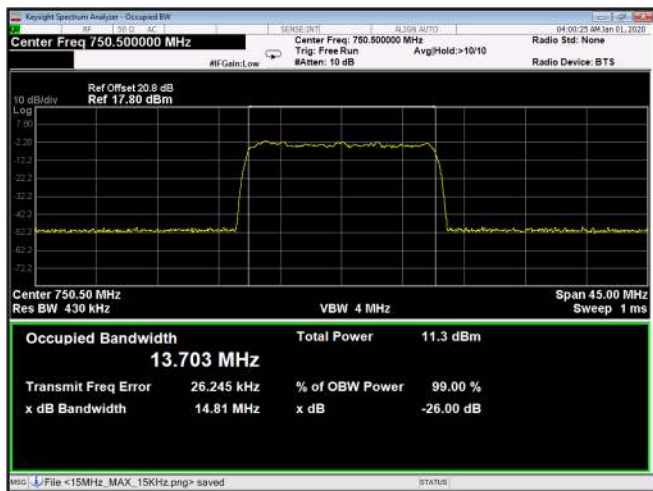


Figure 445: 256QAM 15MHz B.W.; 750.5MHz, 30kHz Input

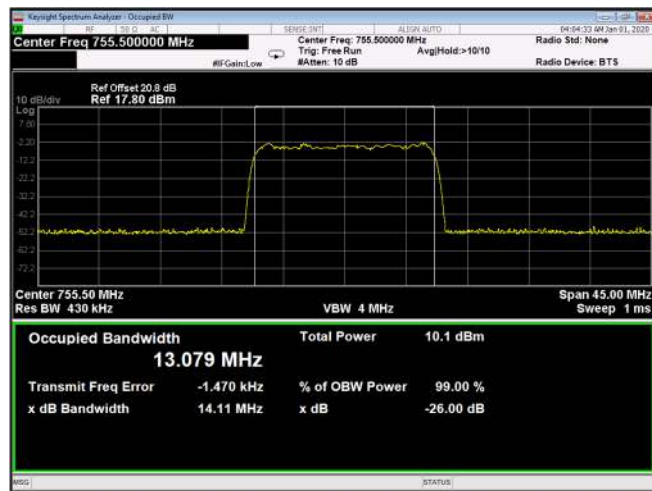


Figure 446: 256QAM 15MHz B.W.; 750.5MHz, 60kHz Input

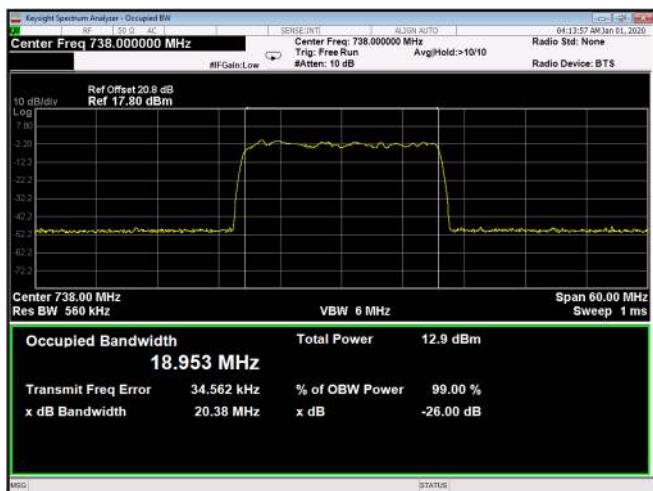


Figure 447: 256QAM 20MHz B.W.; 738.0MHz, 15kHz Input

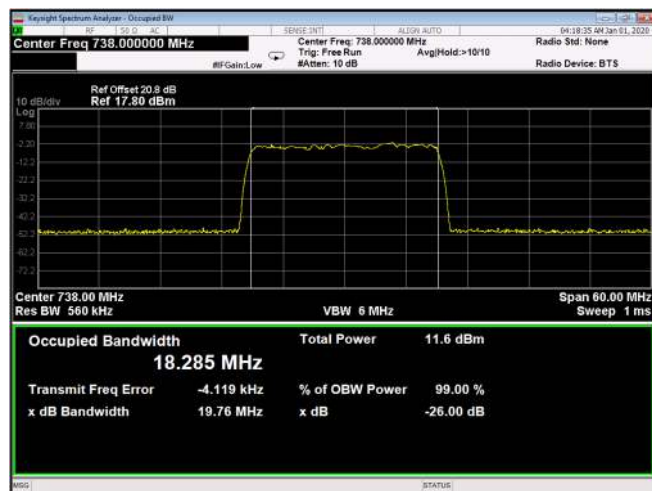


Figure 448: 256QAM 20MHz B.W.; 738.0MHz, 30kHz Input

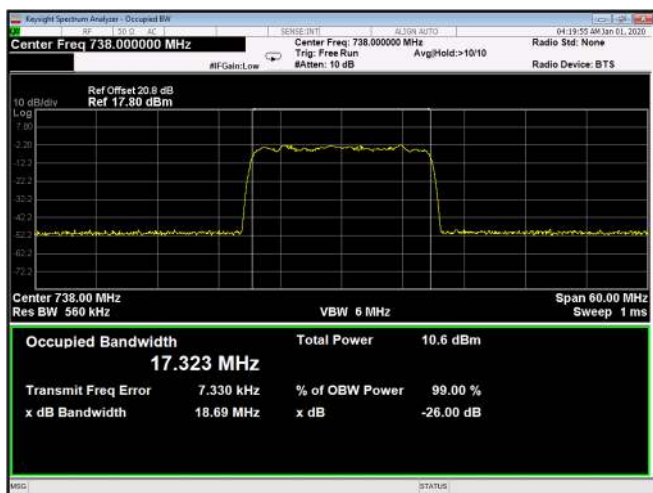


Figure 449: 256QAM 20MHz B.W.; 738.0MHz, 60kHz Input

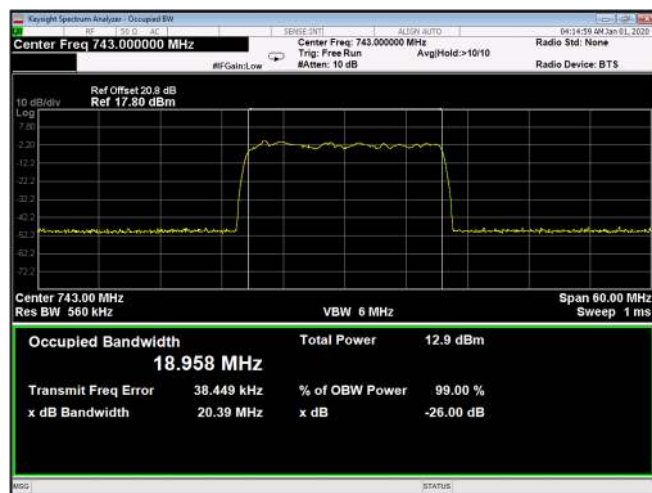


Figure 450: 256QAM 20MHz B.W.; 743.0MHz, 15kHz Input

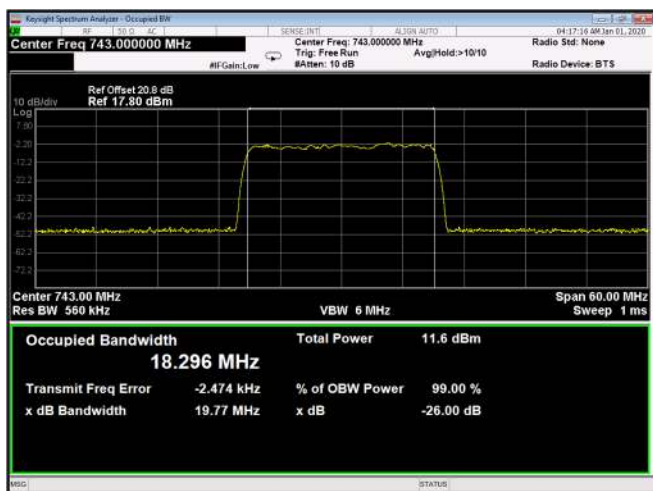


Figure 451: 256QAM 20MHz B.W.; 743.0MHz, 30kHz Input

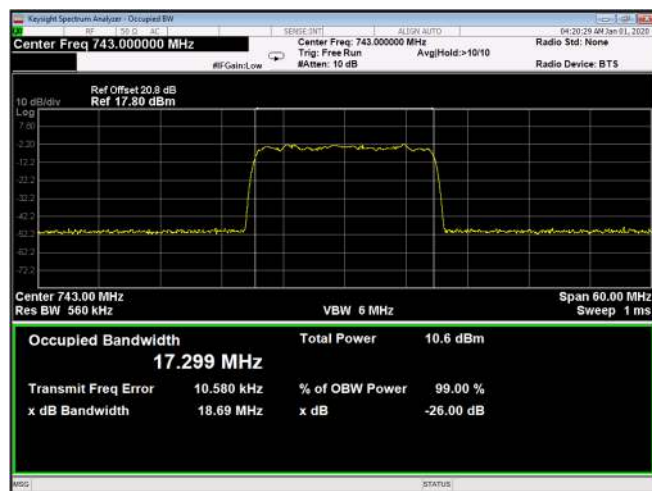


Figure 452: 256QAM 20MHz B.W.; 743.0MHz, 60kHz Input

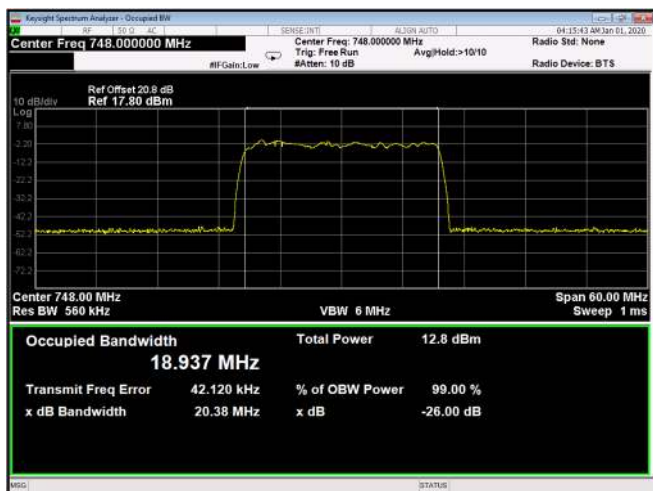


Figure 453: 256QAM 20MHz B.W.; 748.0MHz, 15kHz Input

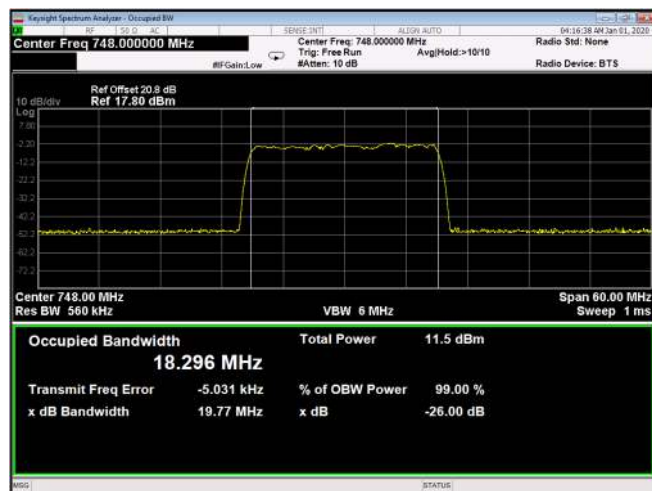


Figure 454: 256QAM 20MHz B.W.; 748.0MHz, 30kHz Input

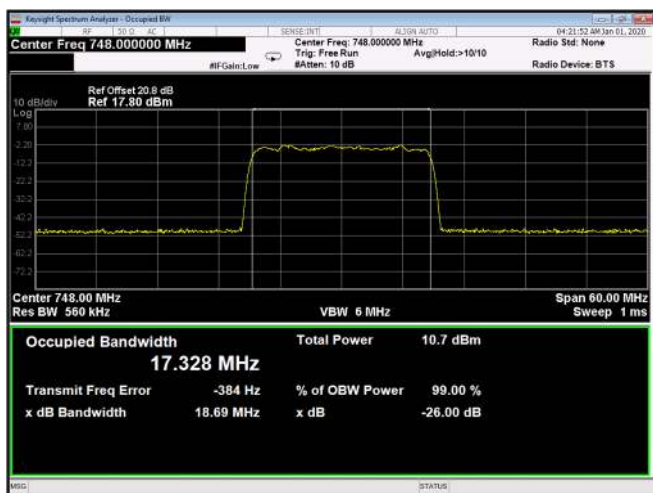


Figure 455: 256QAM 20MHz B.W.; 748.0MHz, 60kHz Input

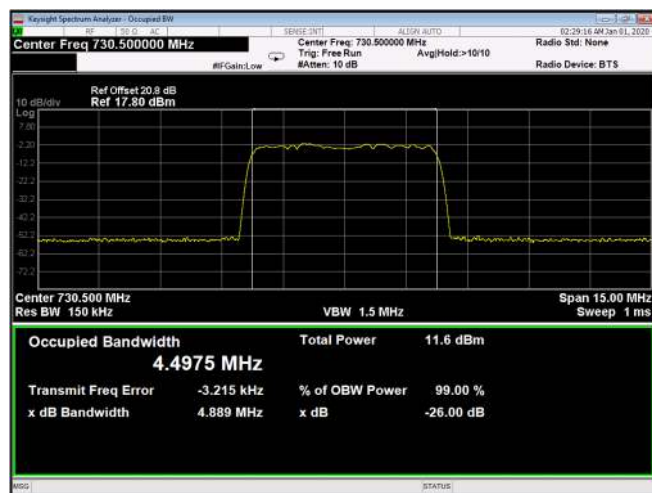


Figure 456: QPSK 5MHz B.W.; 730.5MHz, 15kHz Input

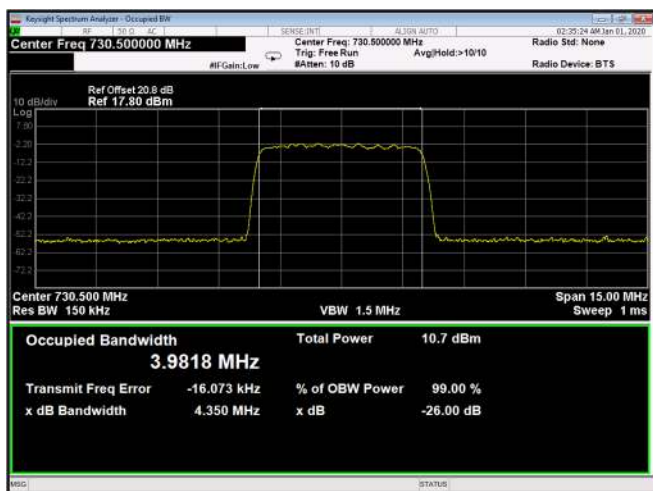


Figure 457: QPSK 5MHz B.W.; 730.5MHz, 30kHz Input

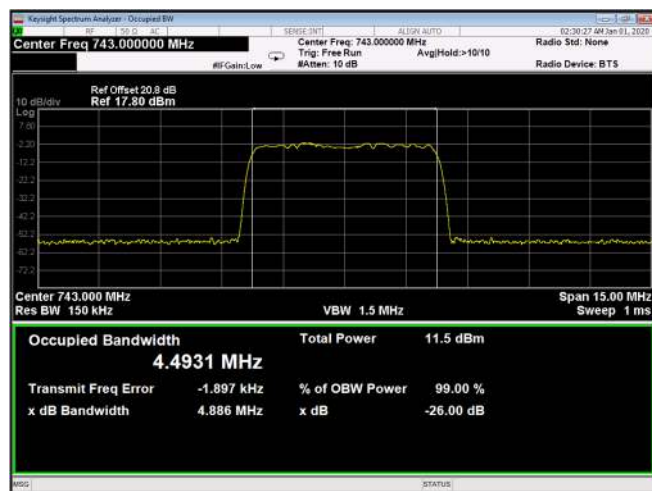


Figure 458: QPSK 5MHz B.W.; 743.0MHz, 15kHz Input

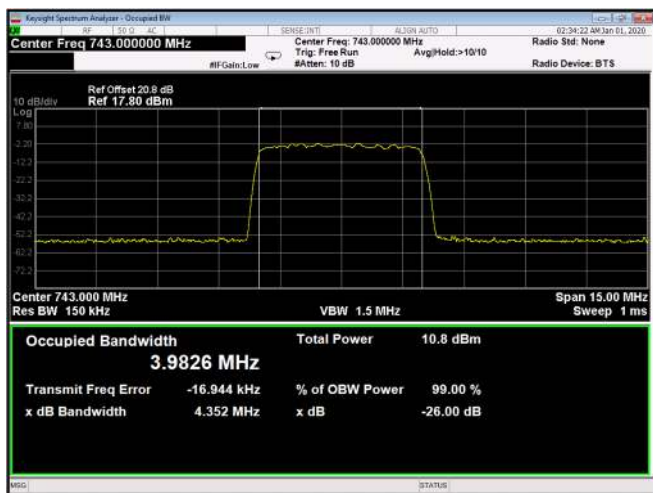


Figure 459: QPSK 5MHz B.W.; 743.0MHz, 30kHz Input

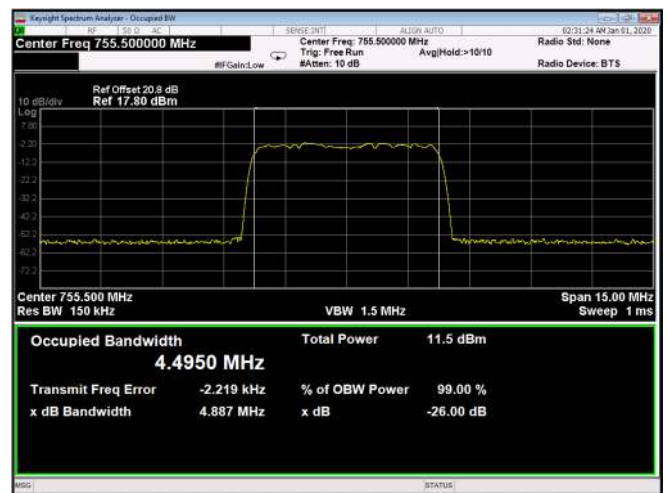


Figure 460: QPSK 5MHz B.W.; 755.5MHz, 15kHz Input

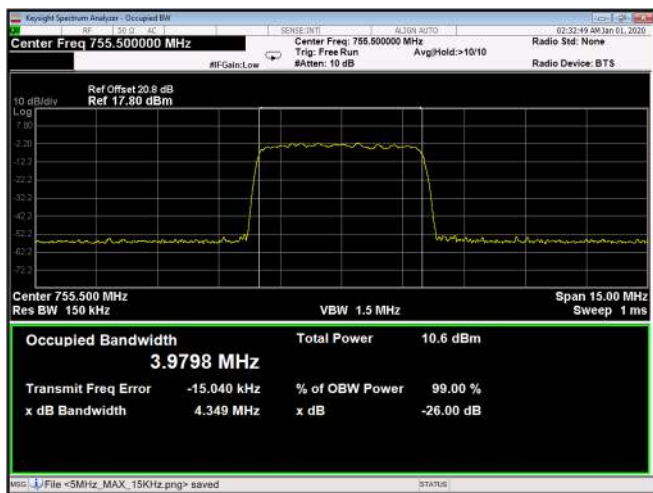


Figure 461: QPSK 5MHz B.W.; 755.5MHz, 30kHz Input

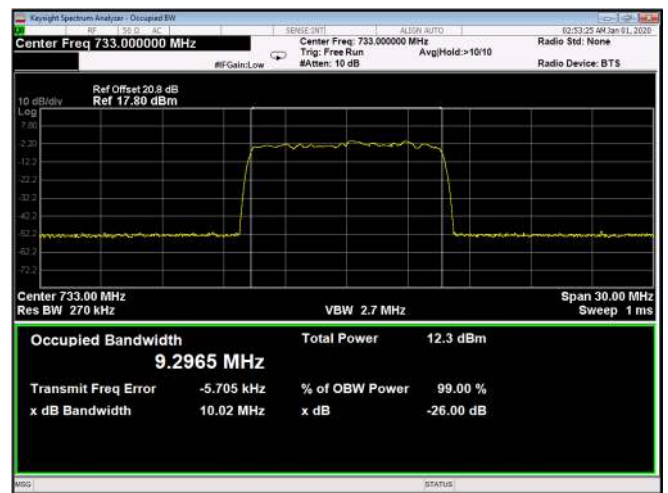


Figure 462: QPSK 10MHz B.W.; 733.0MHz, 15kHz Input

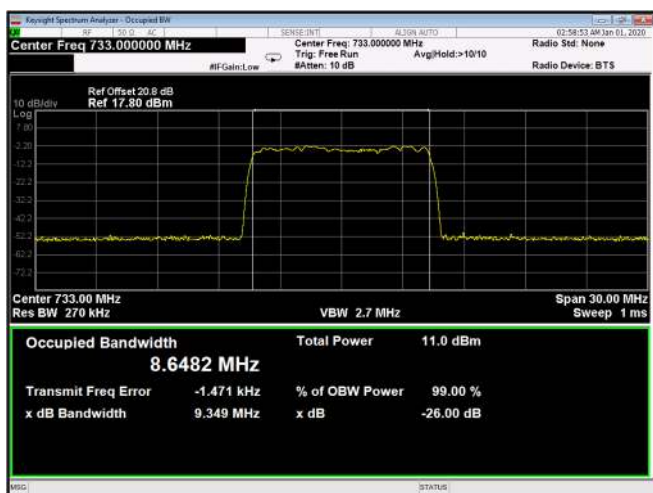


Figure 463: QPSK 10MHz B.W.; 733.0MHz, 30kHz Input

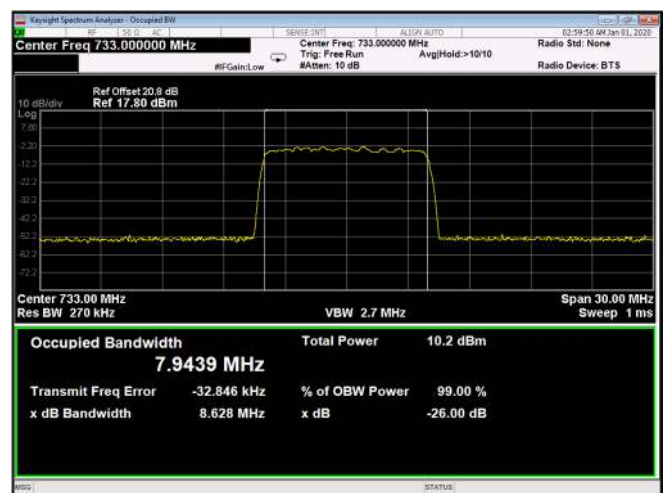


Figure 464: QPSK 10MHz B.W.; 733.0MHz, 60kHz Input

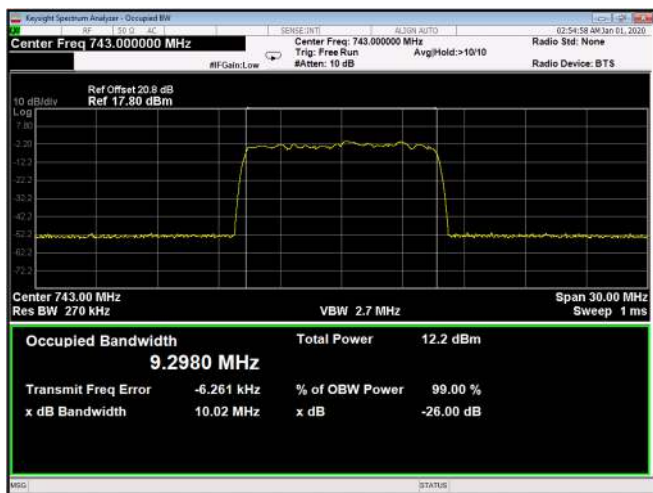


Figure 465: QPSK 10MHz B.W.; 743.0MHz, 15kHz Input

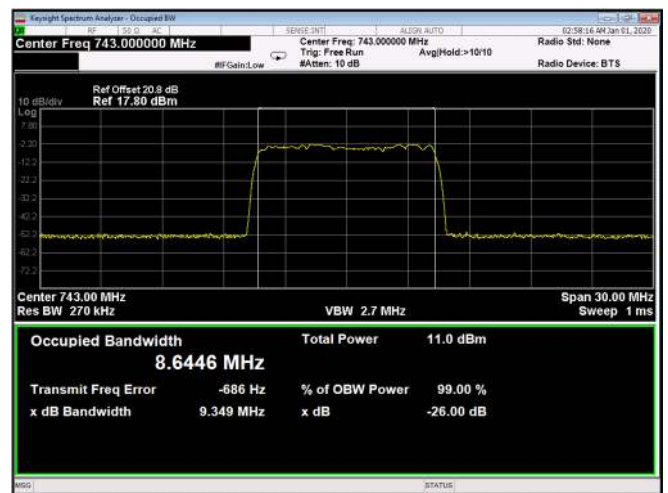


Figure 466: QPSK 10MHz B.W.; 743.0MHz, 30kHz Input

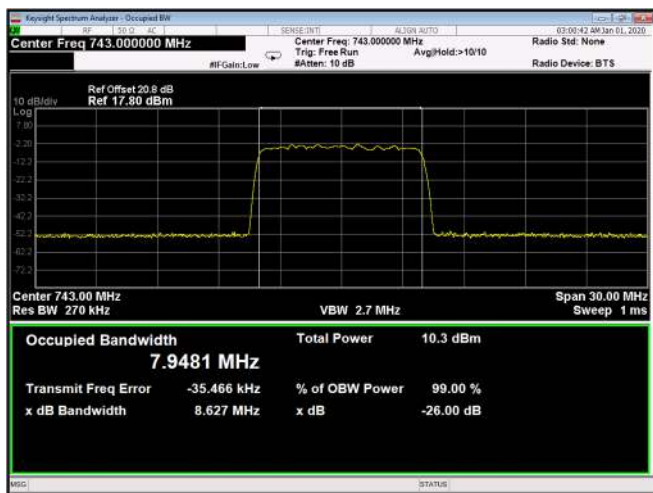


Figure 467: QPSK 10MHz B.W.; 743.0MHz, 60kHz Input

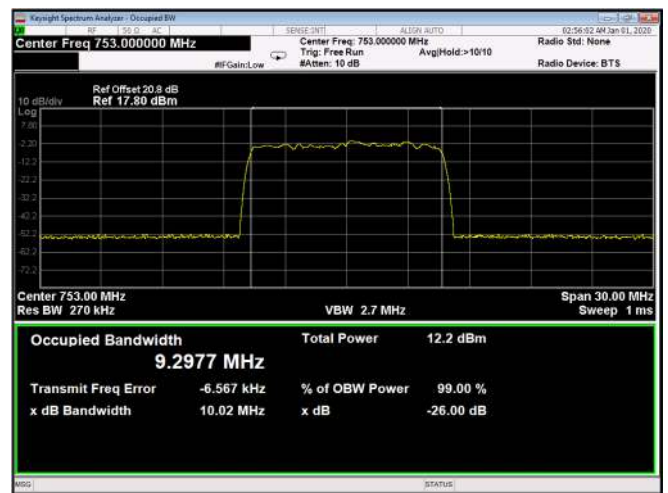


Figure 468: QPSK 10MHz B.W.; 753.0MHz, 15kHz Input

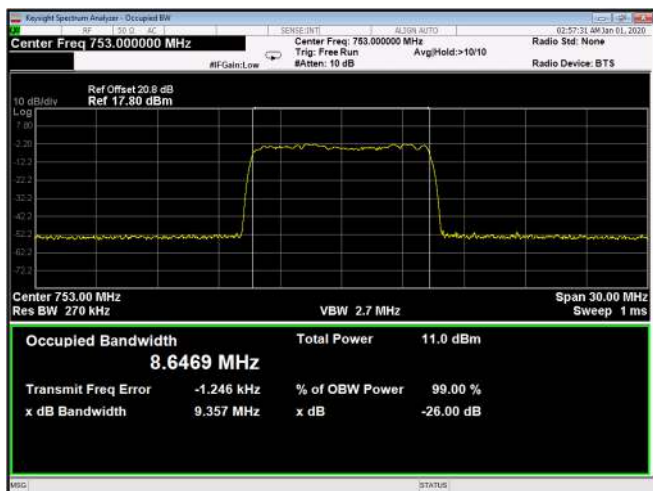


Figure 469: QPSK 10MHz B.W.; 753.0MHz, 30kHz Input

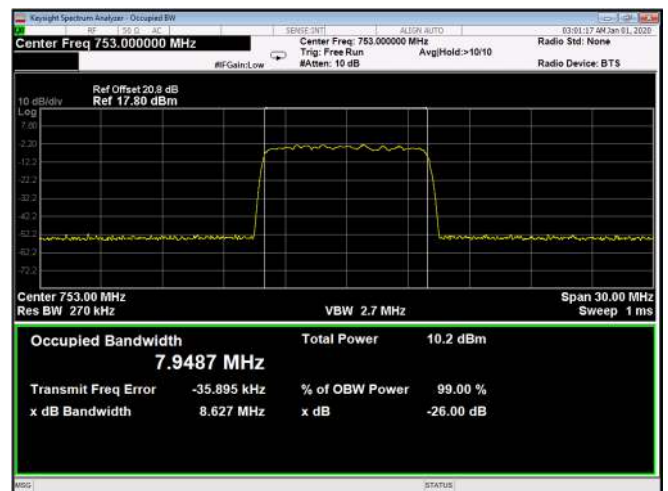


Figure 470: QPSK 10MHz B.W.; 753.0MHz, 60kHz Input

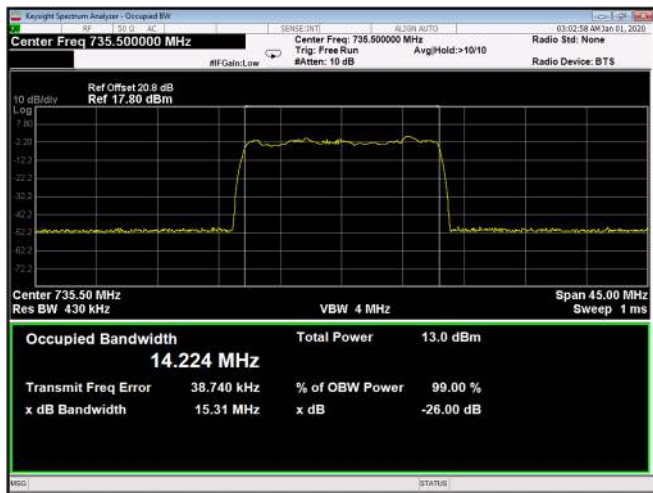


Figure 471: QPSK 15MHz B.W.; 735.5MHz, 15kHz Input

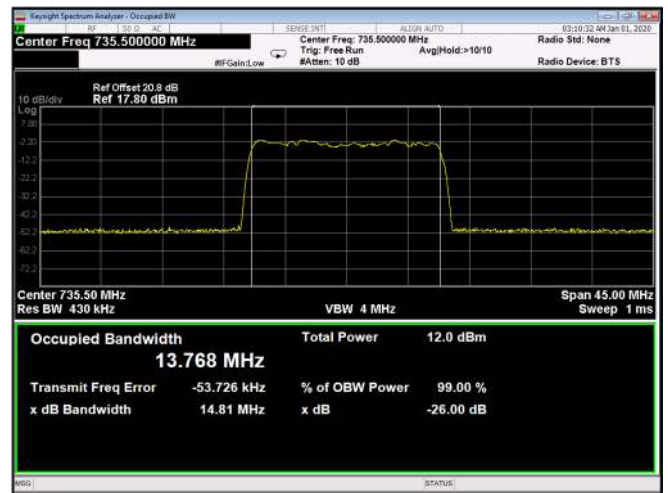


Figure 472: QPSK 15MHz B.W.; 735.5MHz, 30kHz Input

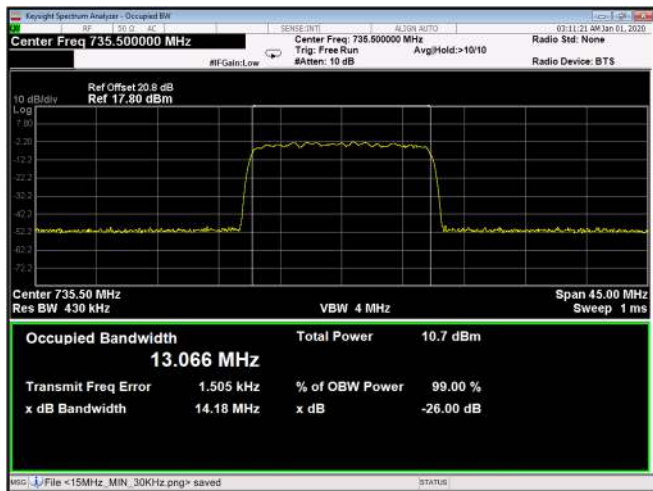


Figure 473: QPSK 15MHz B.W.; 735.5MHz, 60kHz Input

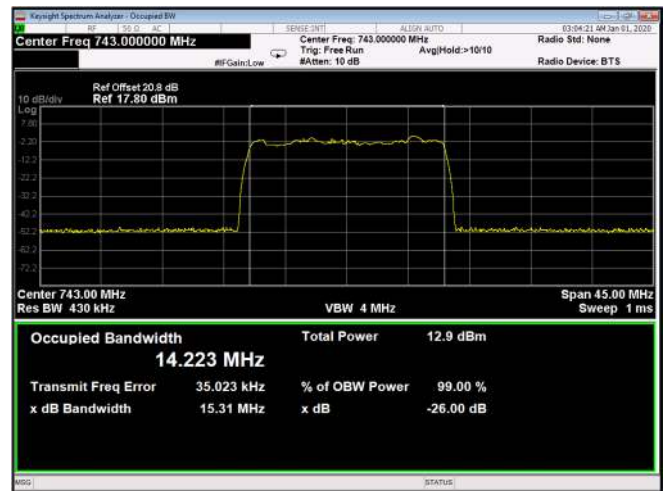


Figure 474: QPSK 15MHz B.W.; 743.0MHz, 15kHz Input

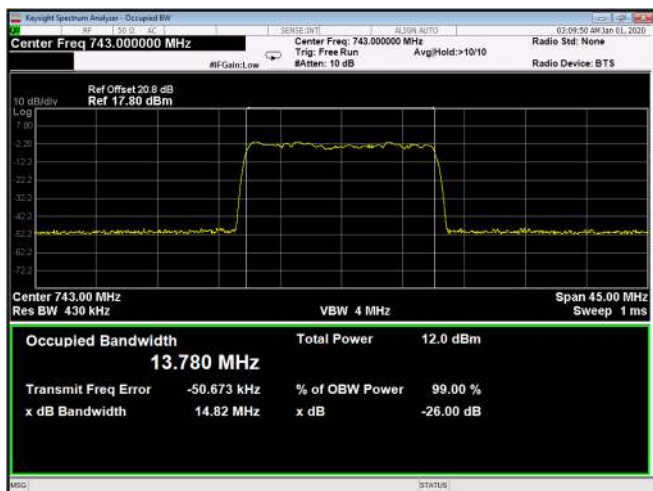


Figure 475: QPSK 15MHz B.W.; 743.0MHz, 30kHz Input

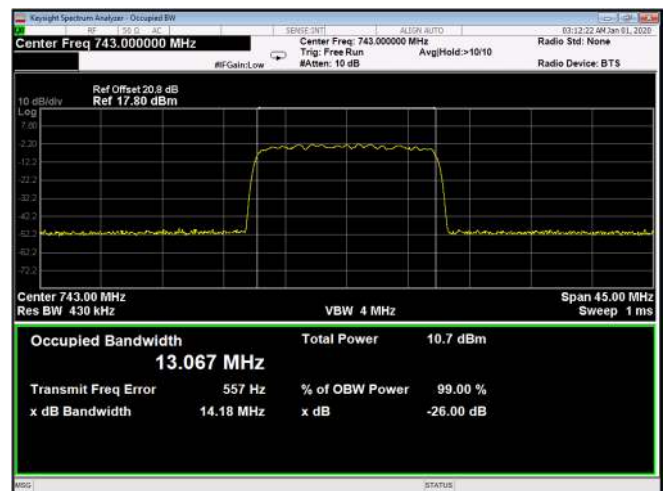


Figure 476: QPSK 15MHz B.W.; 743.0MHz, 60kHz Input

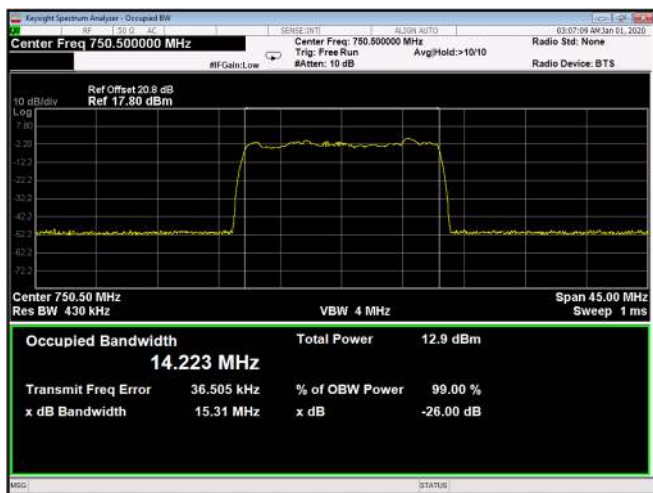


Figure 477: QPSK 15MHz B.W.; 750.5MHz, 15kHz Input

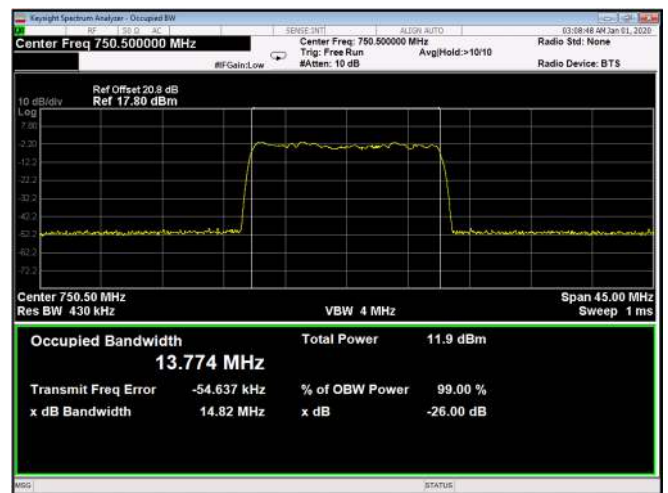


Figure 478: QPSK 15MHz B.W.; 750.5MHz, 30kHz Input

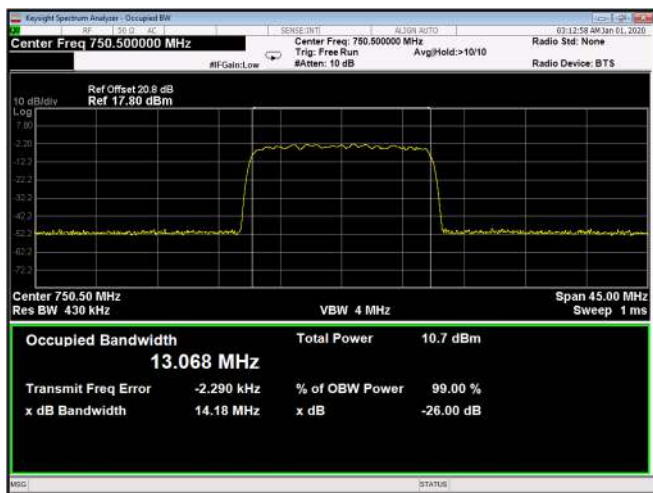


Figure 479: QPSK 15MHz B.W.; 750.5MHz, 60kHz Input

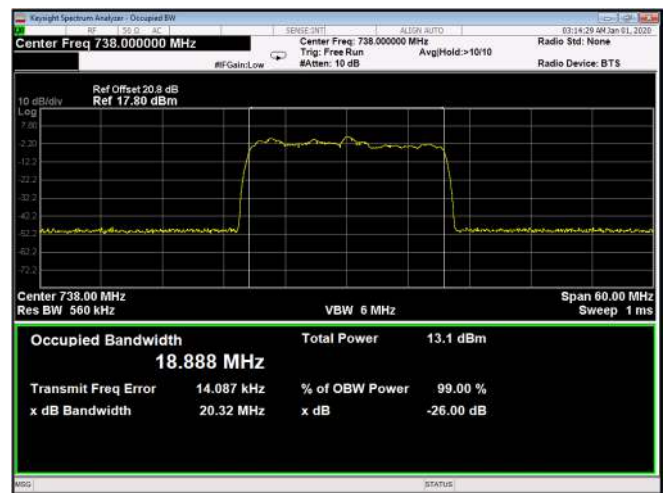


Figure 480: QPSK 20MHz B.W.; 738.0MHz, 15kHz Input

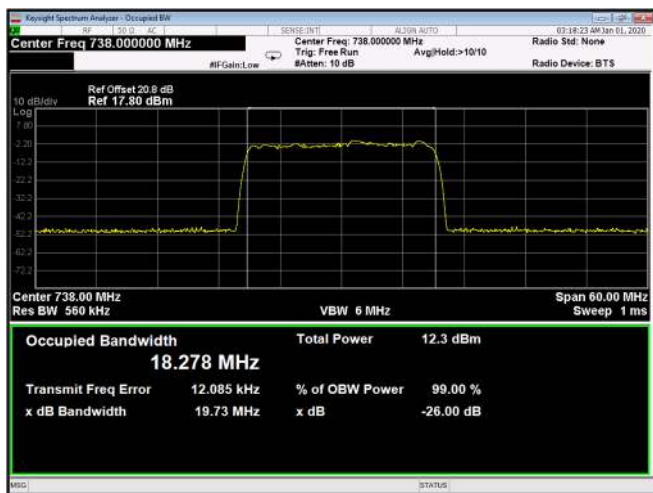


Figure 481: QPSK 20MHz B.W.; 738.0MHz, 30kHz Input

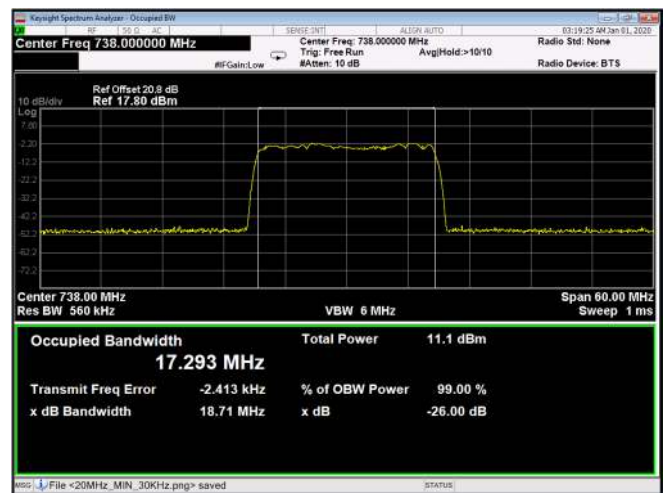


Figure 482: QPSK 20MHz B.W.; 738.0MHz, 60kHz Input

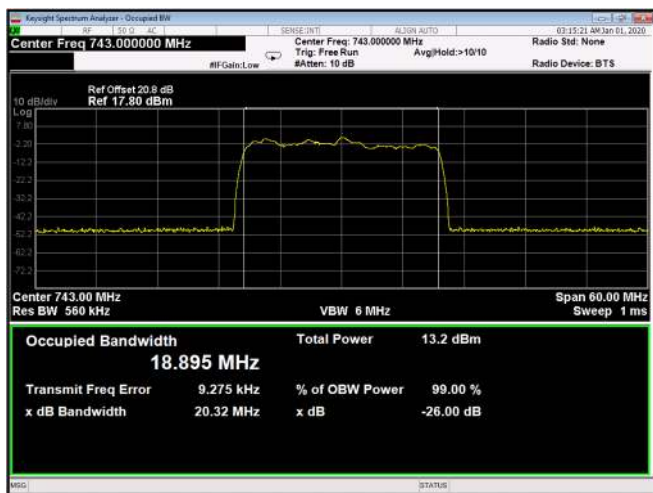


Figure 483: QPSK 20MHz B.W.; 743.0MHz, 15kHz Input

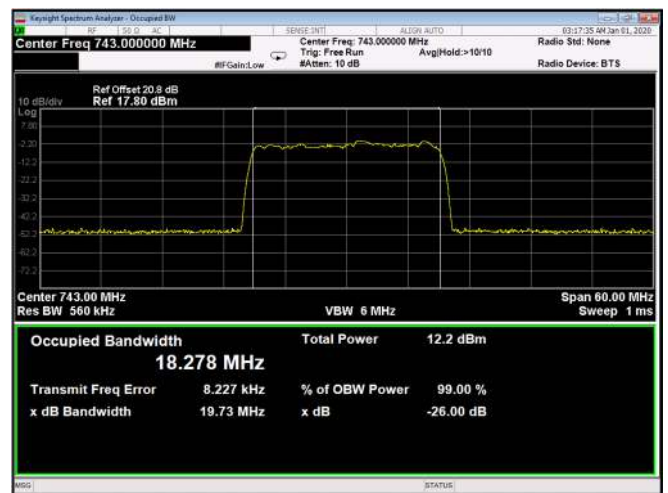


Figure 484: QPSK 20MHz B.W.; 743.0MHz, 30kHz Input

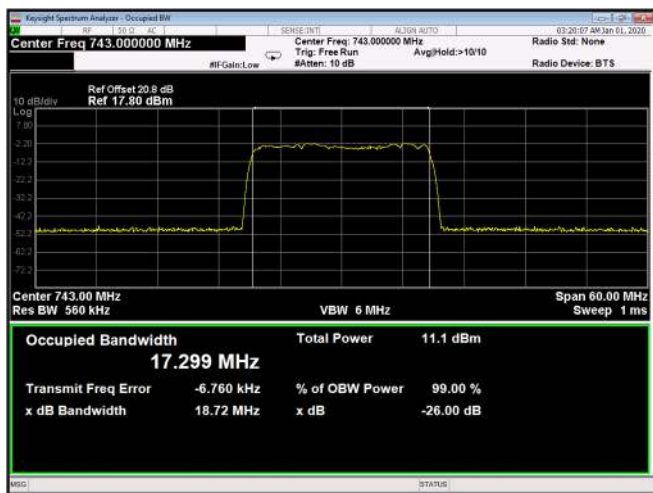


Figure 485: QPSK 20MHz B.W.; 743.0MHz, 60kHz Input

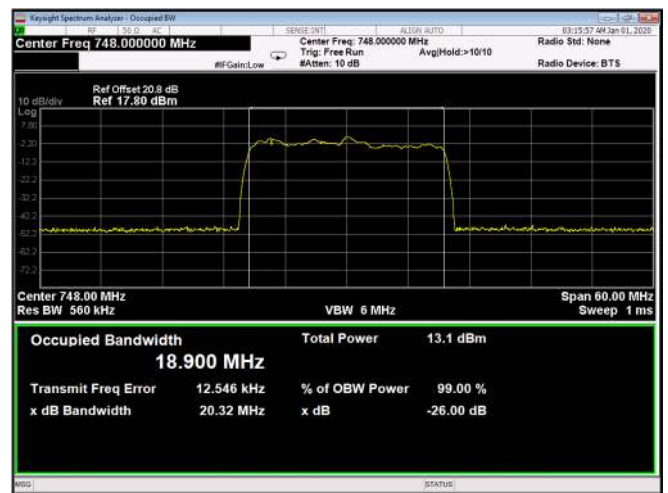


Figure 486: QPSK 20MHz B.W.; 748.0MHz, 15kHz Input

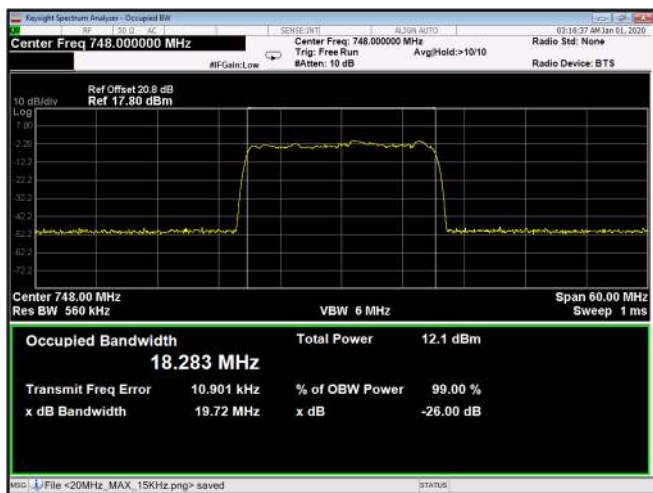


Figure 487: QPSK 20MHz B.W.; 748.0MHz, 30kHz Input

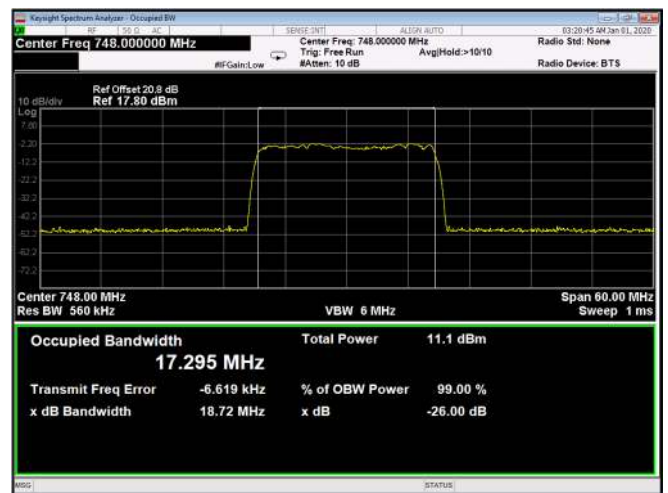


Figure 488: QPSK 20MHz B.W.; 748.0MHz, 60kHz Input