

Figure 434: 256QAM 10MHz B.W.; 867.0MHz, 15kHz - Output

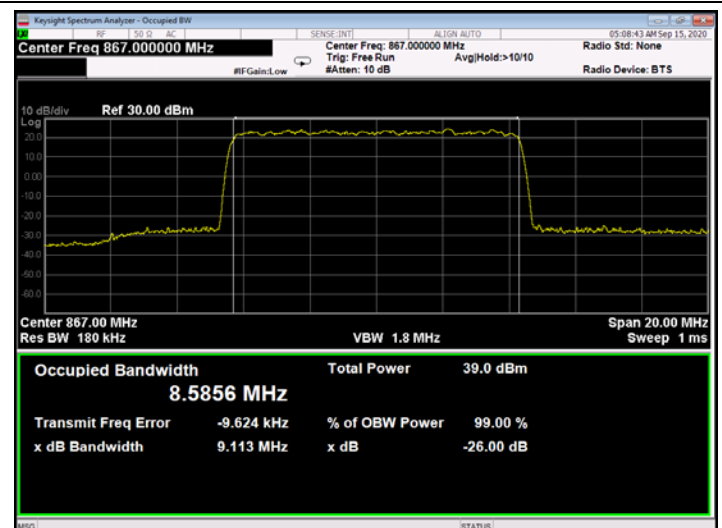


Figure 435: 256QAM 10MHz B.W.; 867.0MHz, 30kHz - Output

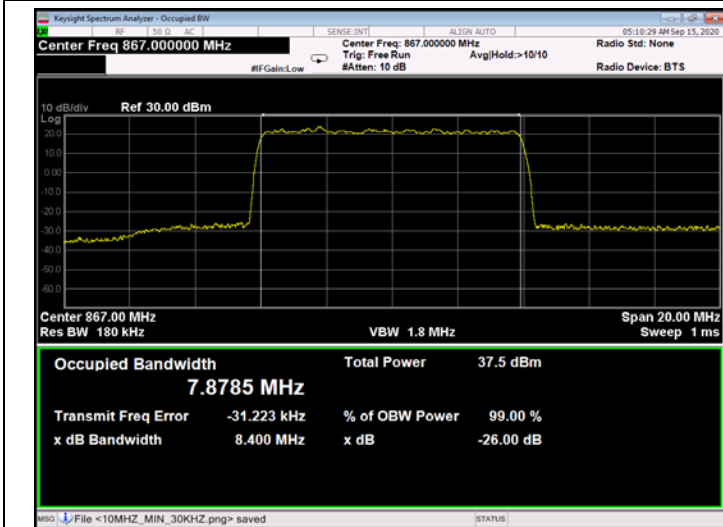


Figure 436: 256QAM 10MHz B.W.; 867.0MHz, 60kHz - Output

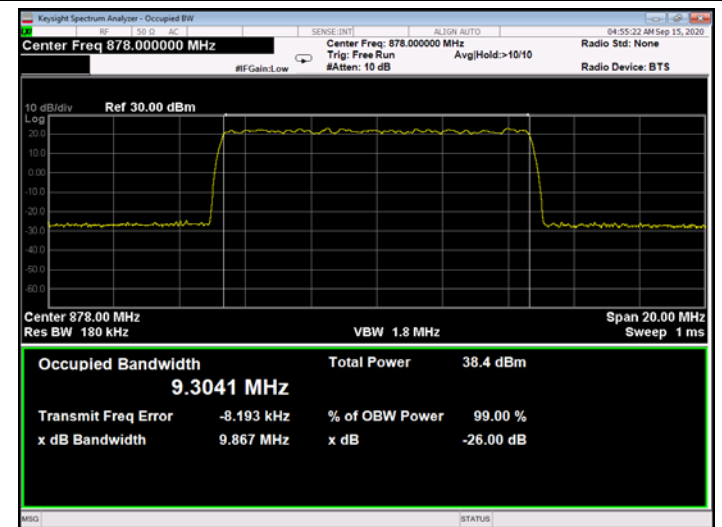


Figure 437: 256QAM 10MHz B.W.; 878.0MHz, 15kHz - Output

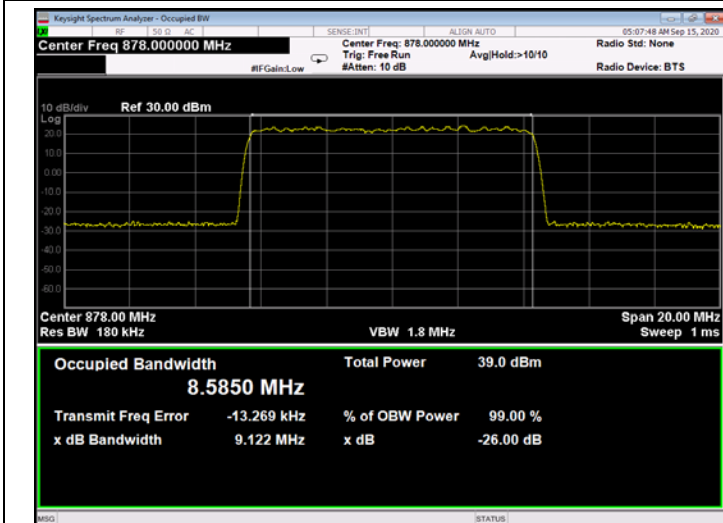


Figure 438: 256QAM 10MHz B.W.; 878.0MHz, 30kHz - Output

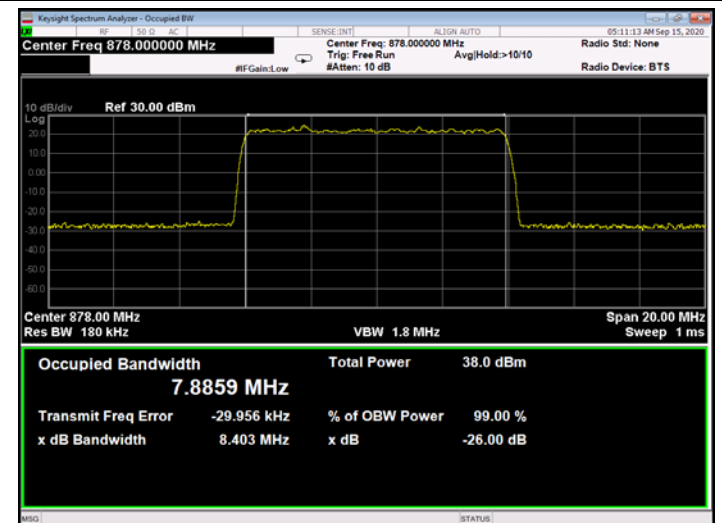


Figure 439: 256QAM 10MHz B.W.; 878.0MHz, 60kHz - Output

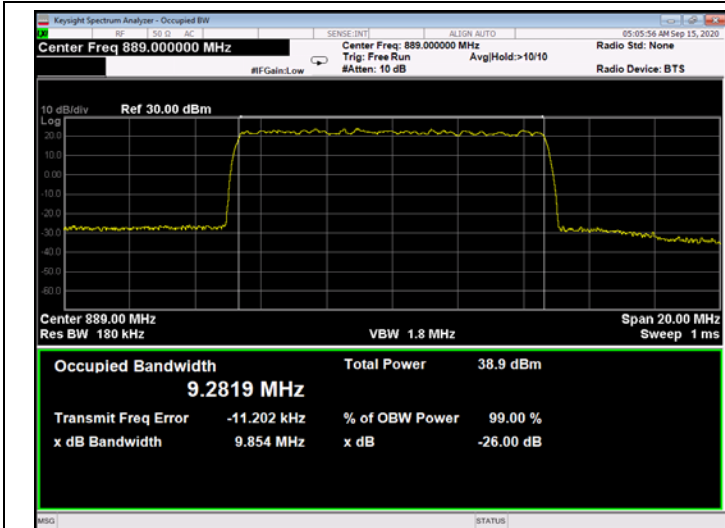


Figure 440: 256QAM 10MHz B.W.; 889.0MHz, 15kHz - Output

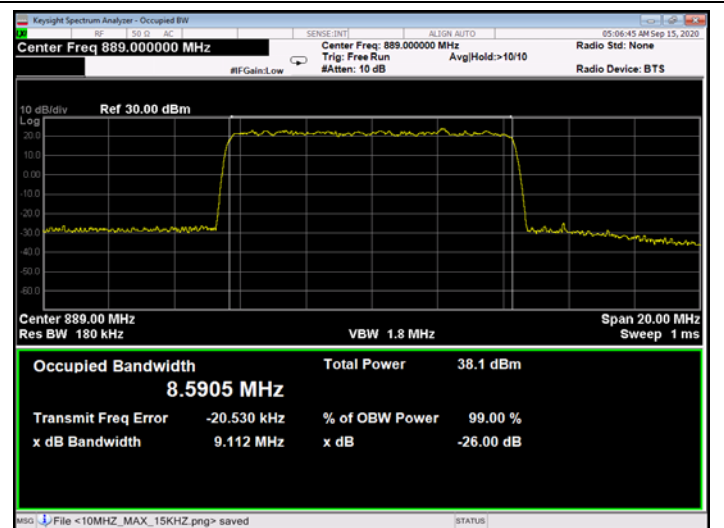


Figure 441: 256QAM 10MHz B.W.; 889.0MHz, 30kHz - Output

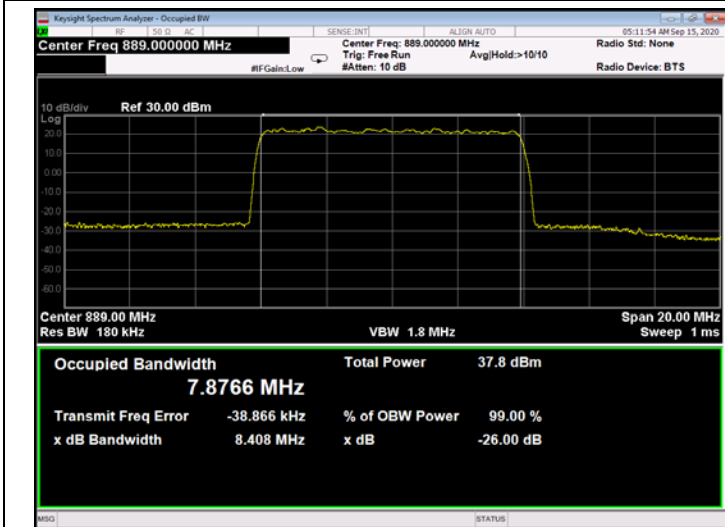


Figure 442: 256QAM 10MHz B.W.; 889.0MHz, 60kHz - Output

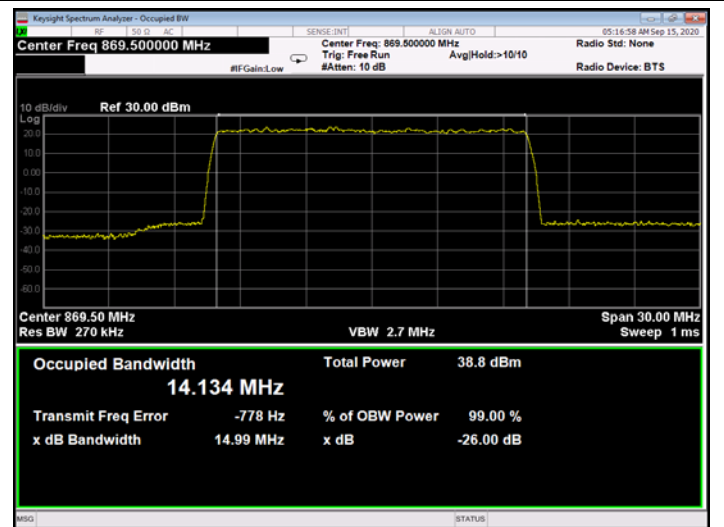


Figure 443: 256QAM 15MHz B.W.; 869.5MHz, 15kHz - Output

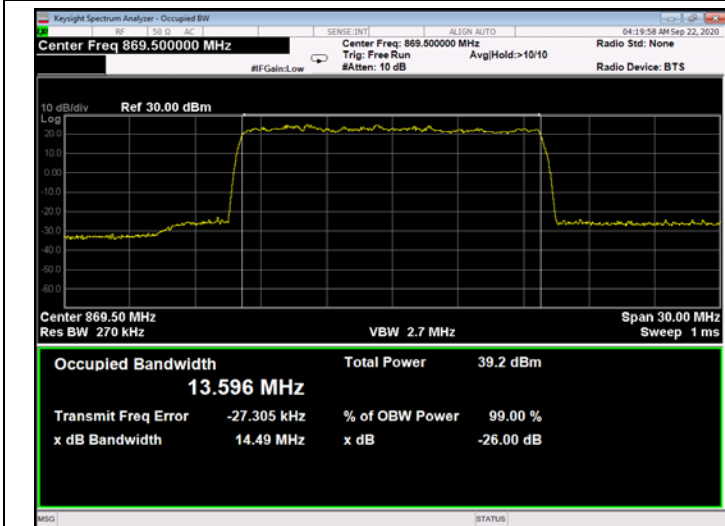


Figure 444: 256QAM 15MHz B.W.; 869.5MHz, 30kHz - Output

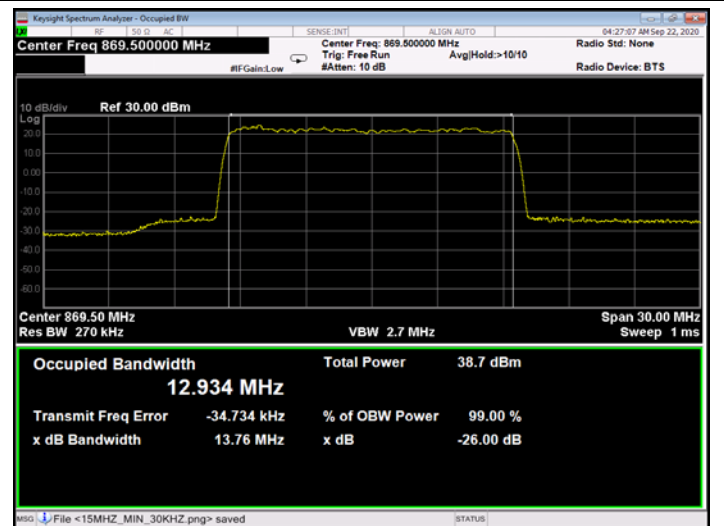


Figure 445: 256QAM 15MHz B.W.; 869.5MHz, 60kHz - Output

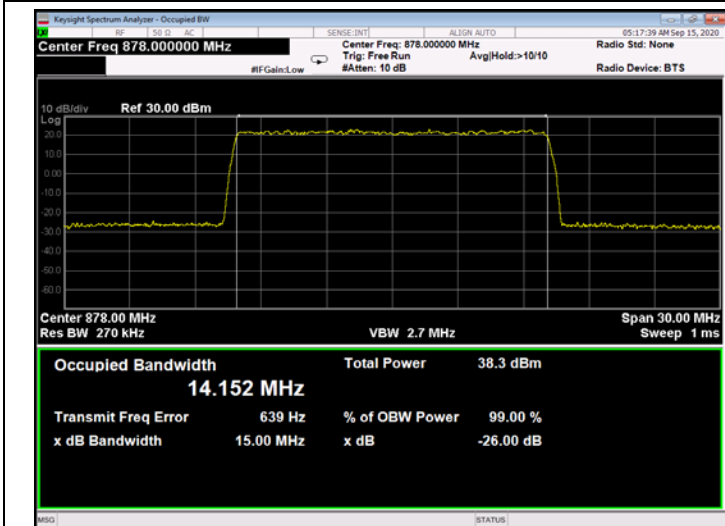


Figure 446: 256QAM 15MHz B.W.; 878.0MHz, 15kHz - Output

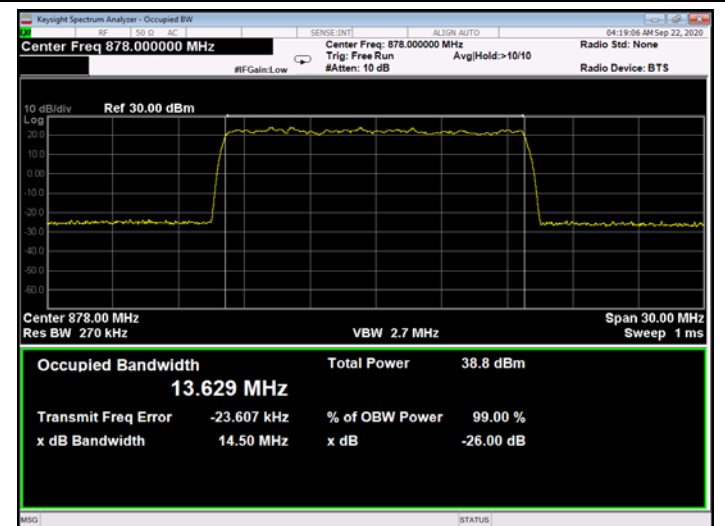


Figure 447: 256QAM 15MHz B.W.; 878.0MHz, 30kHz - Output

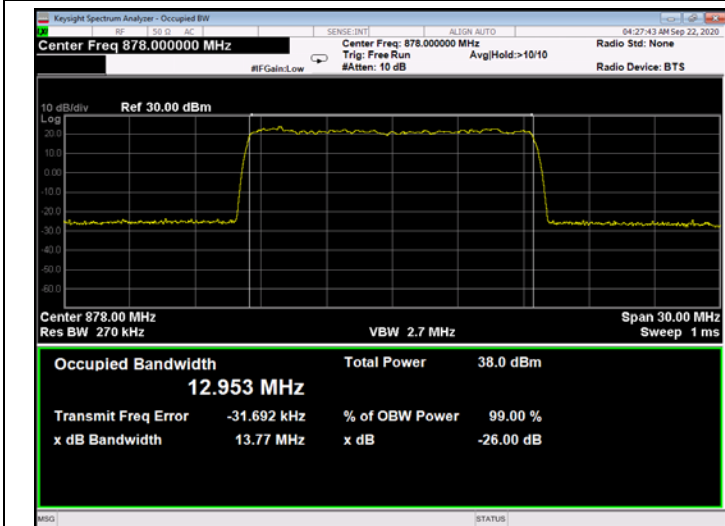


Figure 448: 256QAM 15MHz B.W.; 878.0MHz, 60kHz - Output

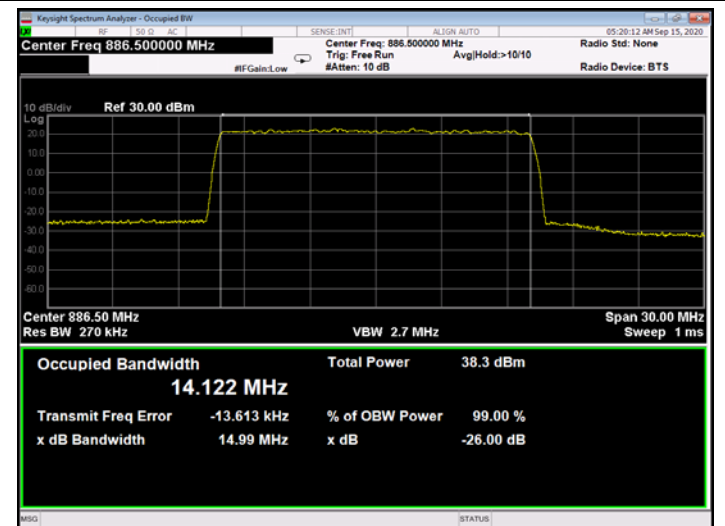


Figure 449: 256QAM 15MHz B.W.; 886.5MHz, 15kHz - Output

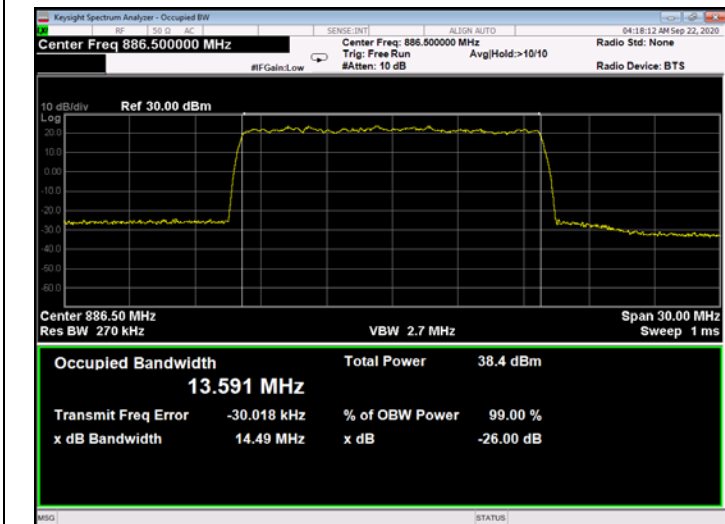


Figure 450: 256QAM 15MHz B.W.; 886.5MHz, 30kHz - Output

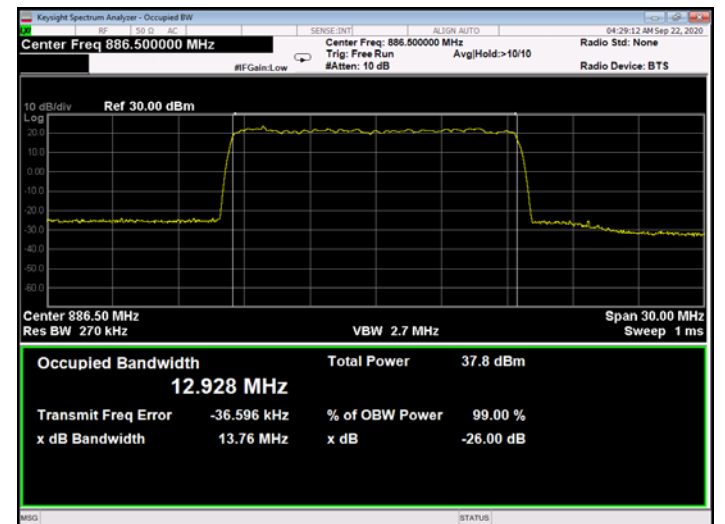


Figure 451: 256QAM 15MHz B.W.; 886.5MHz, 60kHz - Output

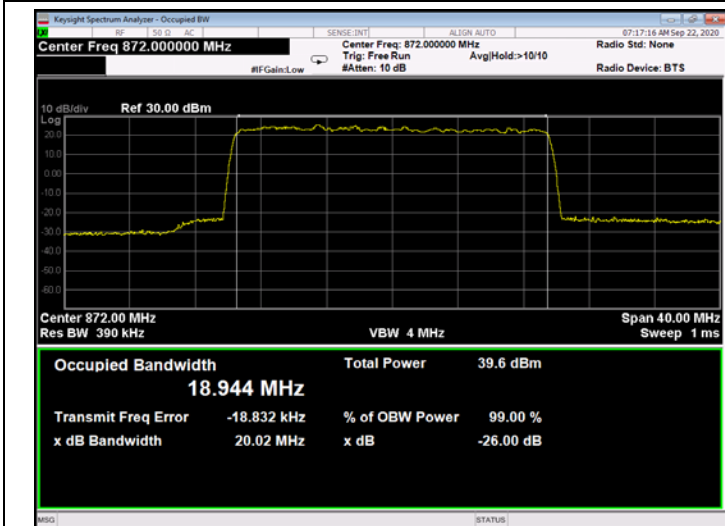


Figure 452: 256QAM 20MHz B.W.; 872.0MHz, 15kHz - Output

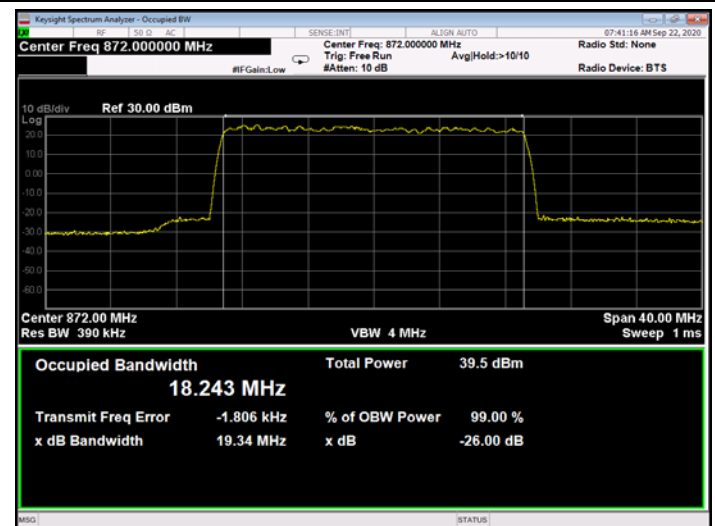


Figure 453: 256QAM 20MHz B.W.; 872.0MHz, 30kHz - Output

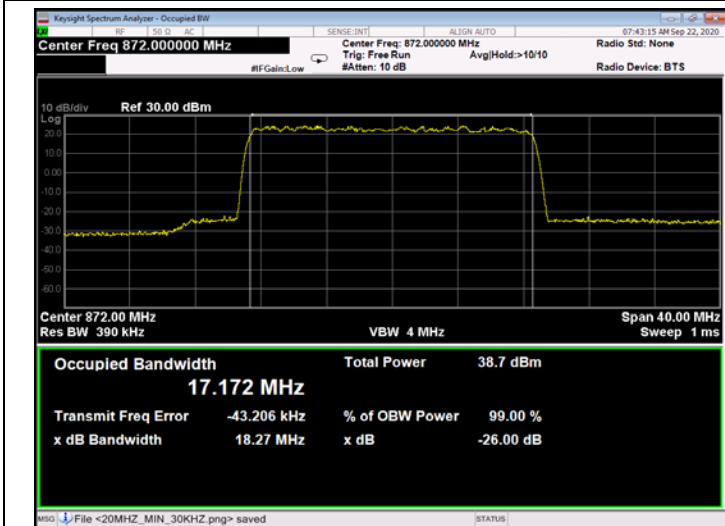


Figure 454: 256QAM 20MHz B.W.; 872.0MHz, 60kHz - Output

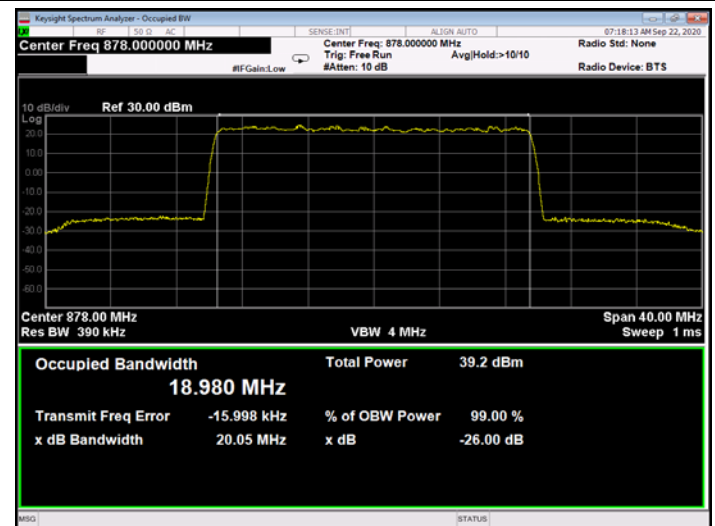


Figure 455: 256QAM 20MHz B.W.; 878.0MHz, 15kHz - Output

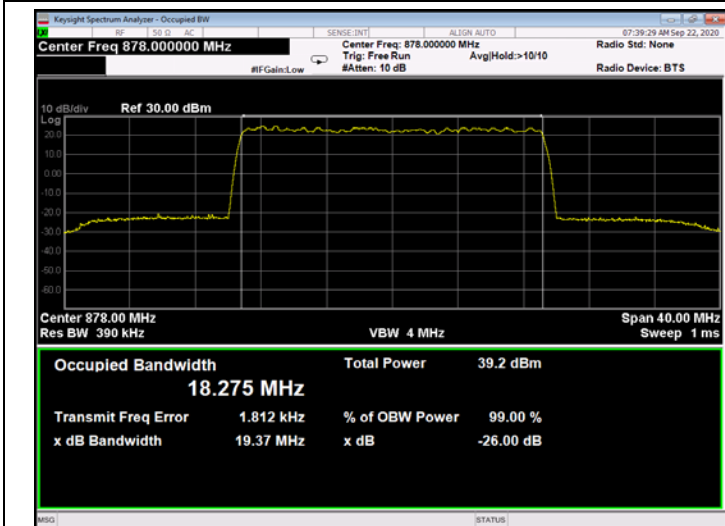


Figure 456: 256QAM 20MHz B.W.; 878.0MHz, 30kHz - Output

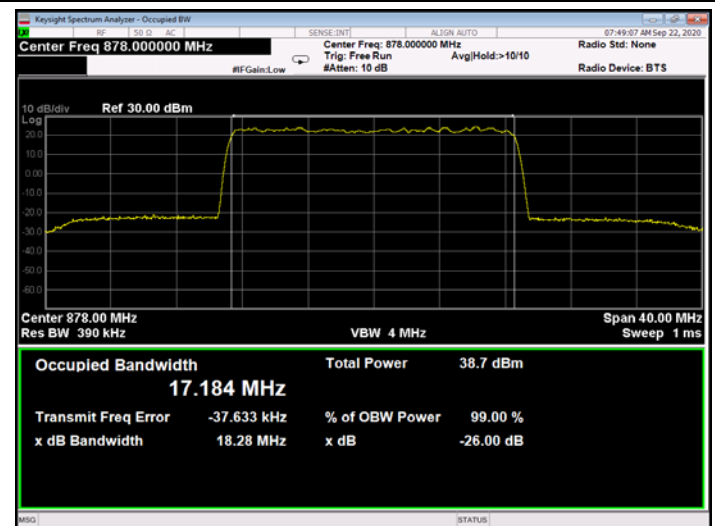


Figure 457: 256QAM 20MHz B.W.; 878.0MHz, 60kHz - Output

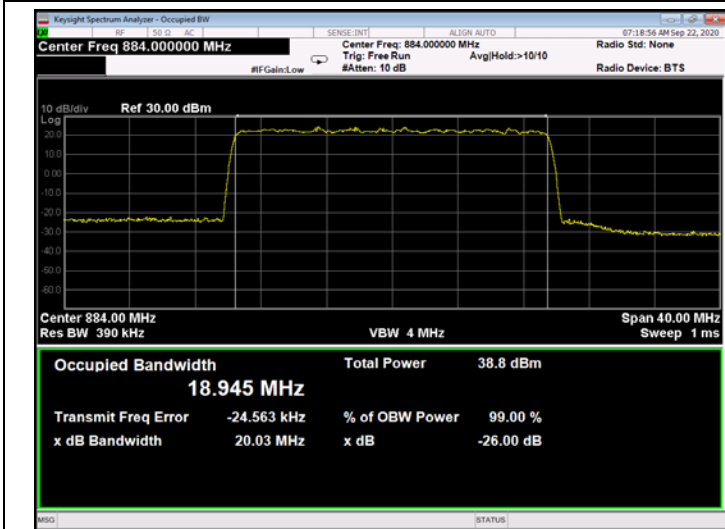


Figure 458: 256QAM 20MHz B.W.; 884.0MHz, 15kHz - Output

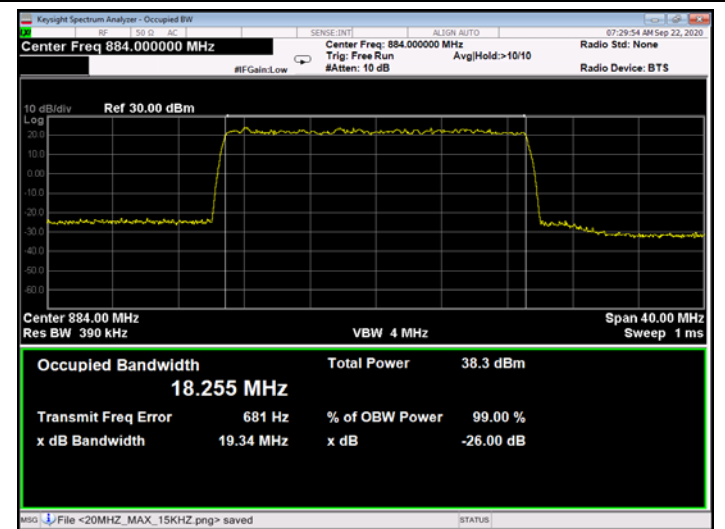


Figure 459: 256QAM 20MHz B.W.; 884.0MHz, 30kHz - Output

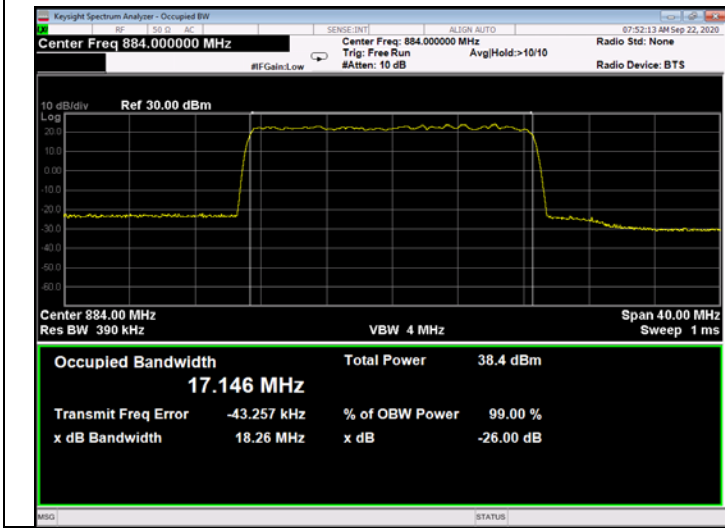


Figure 460: 256QAM 20MHz B.W.; 884.0MHz, 60kHz - Output

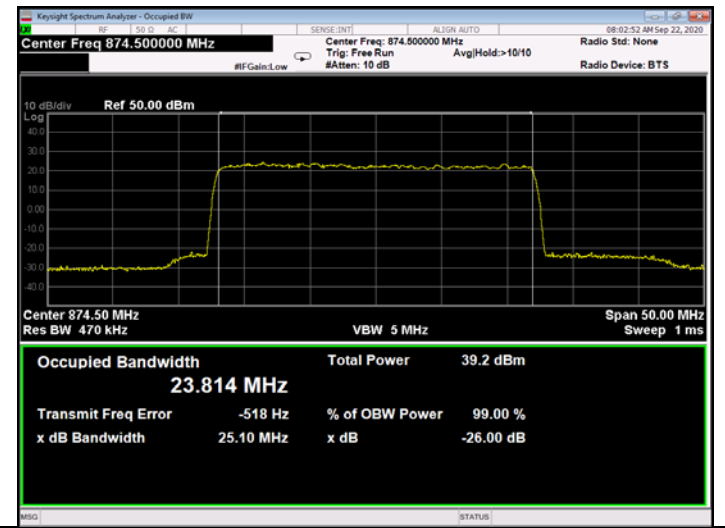


Figure 461: 256QAM 25MHz B.W.; 874.5MHz, 15kHz - Output

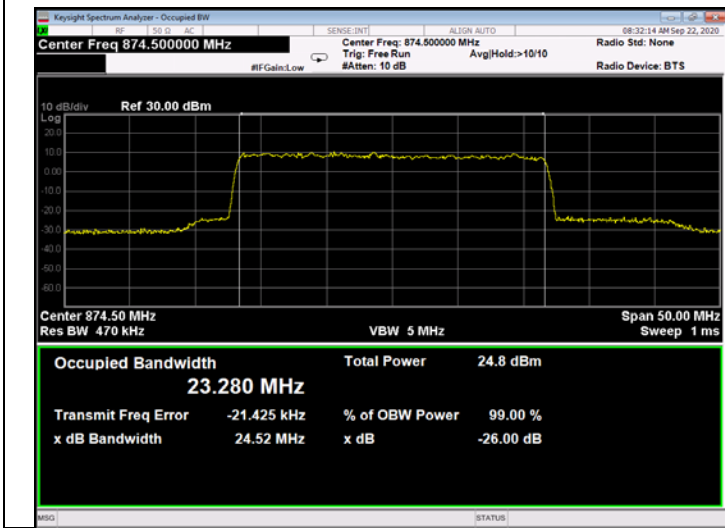


Figure 462: 256QAM 25MHz B.W.; 874.5MHz, 30kHz - Output

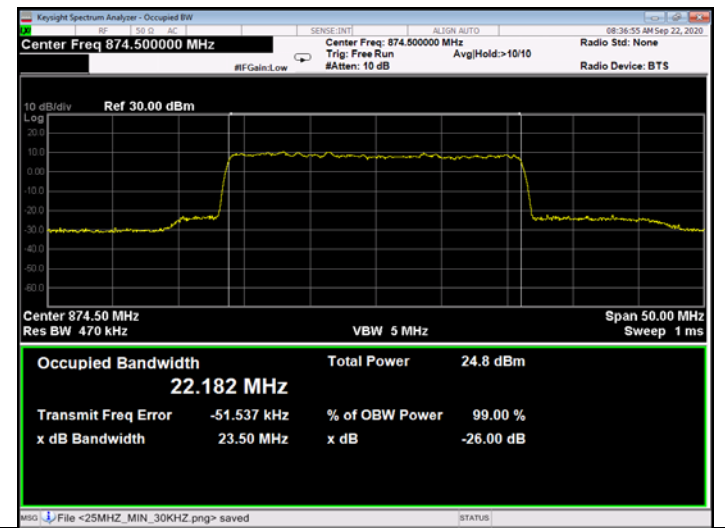


Figure 463: 256QAM 25MHz B.W.; 874.5MHz, 60kHz - Output

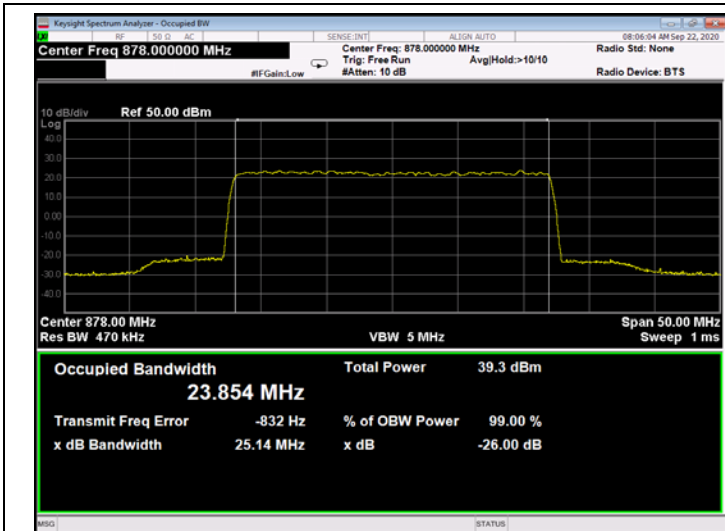


Figure 464: 256QAM 25MHz B.W.; 878.0MHz, 15kHz - Output

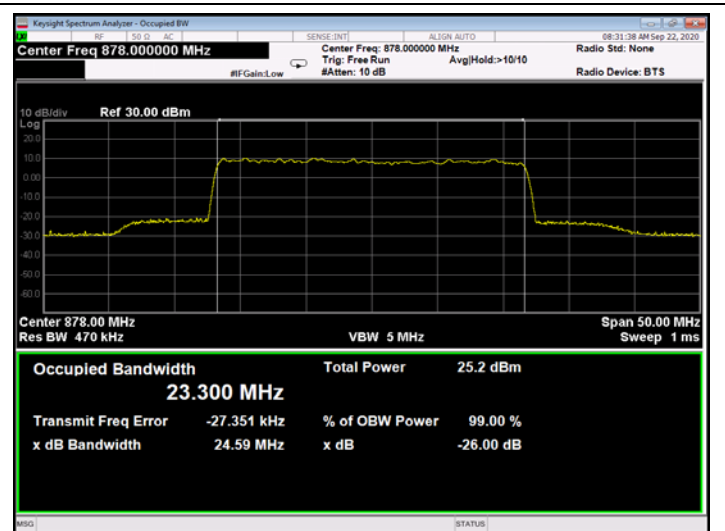


Figure 465: 256QAM 25MHz B.W.; 878.0MHz, 30kHz - Output

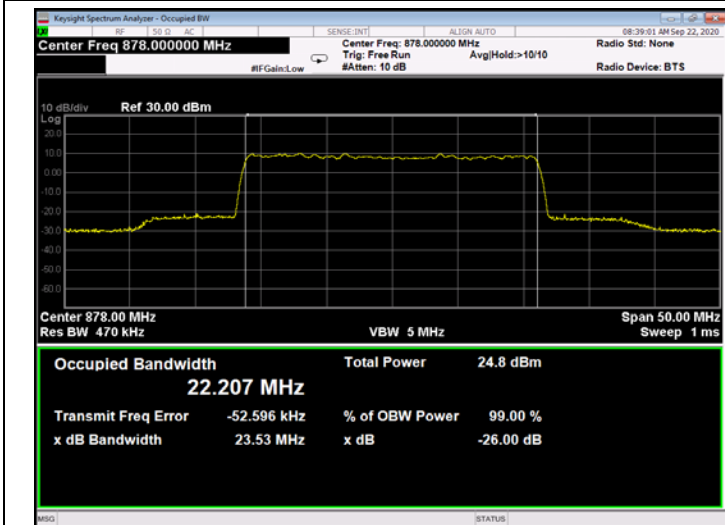


Figure 466: 256QAM 25MHz B.W.; 878.0MHz, 60kHz - Output

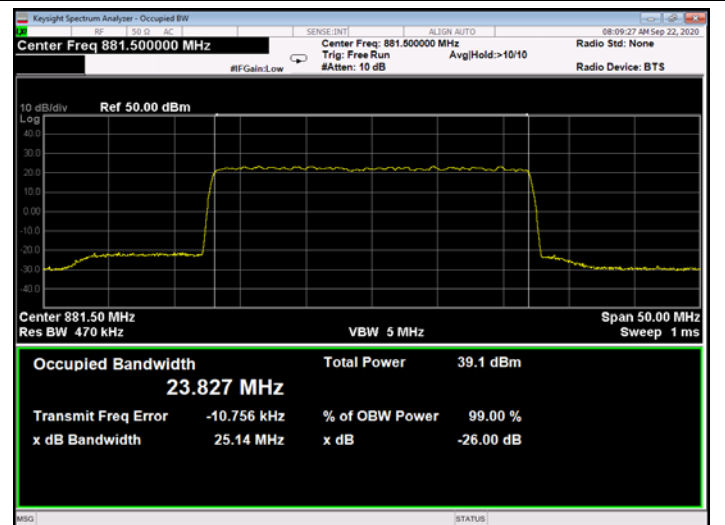


Figure 467: 256QAM 25MHz B.W.; 881.5MHz, 15kHz - Output

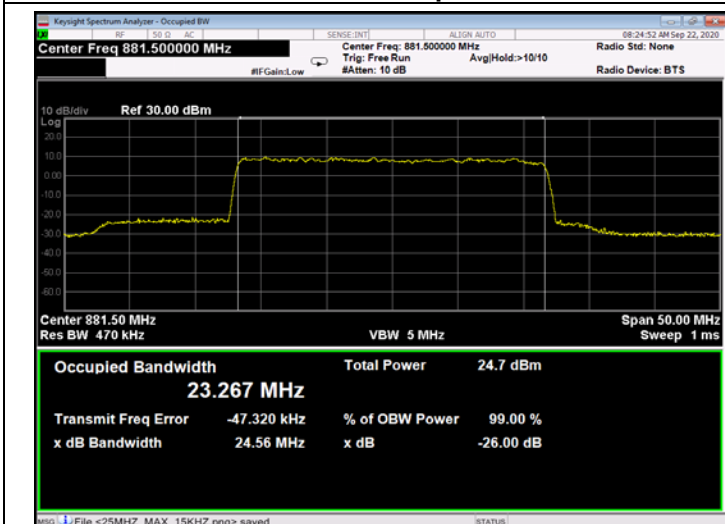


Figure 468: 256QAM 25MHz B.W.; 881.5MHz, 30kHz - Output

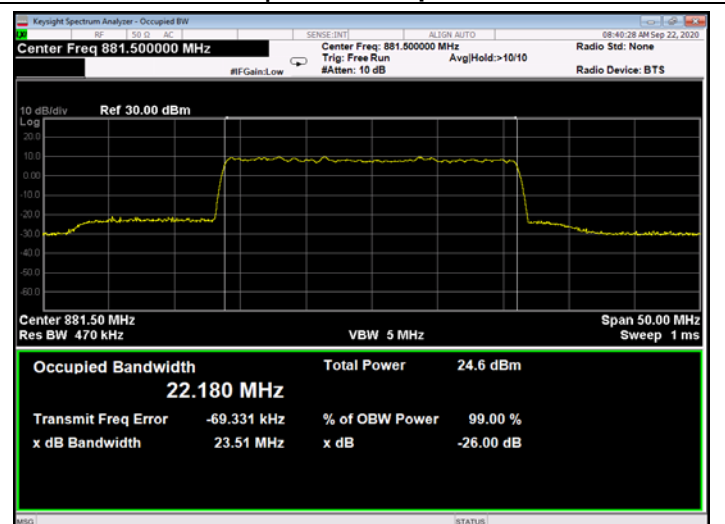


Figure 469: 256QAM 25MHz B.W.; 881.5MHz, 60kHz - Output

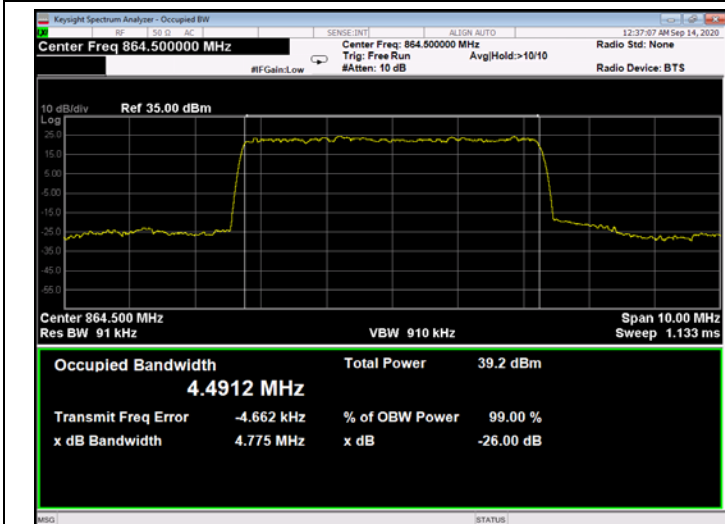


Figure 470: QPSK 5MHz B.W.; 864.5MHz, 15kHz - Output

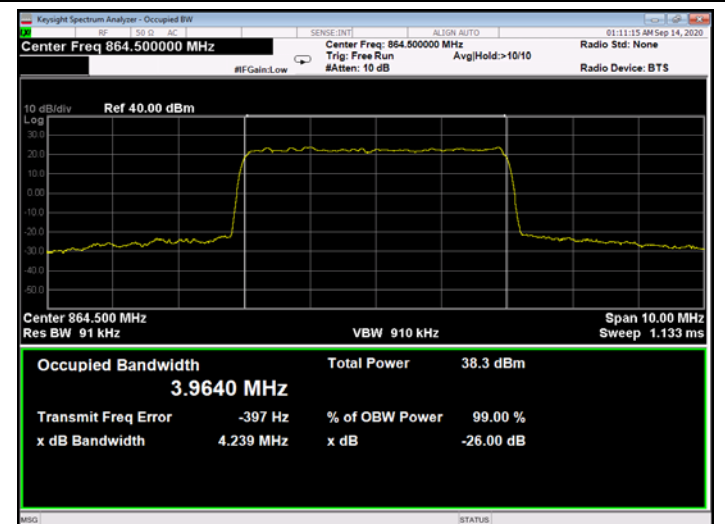


Figure 471: QPSK 5MHz B.W.; 864.5MHz, 30kHz - Output

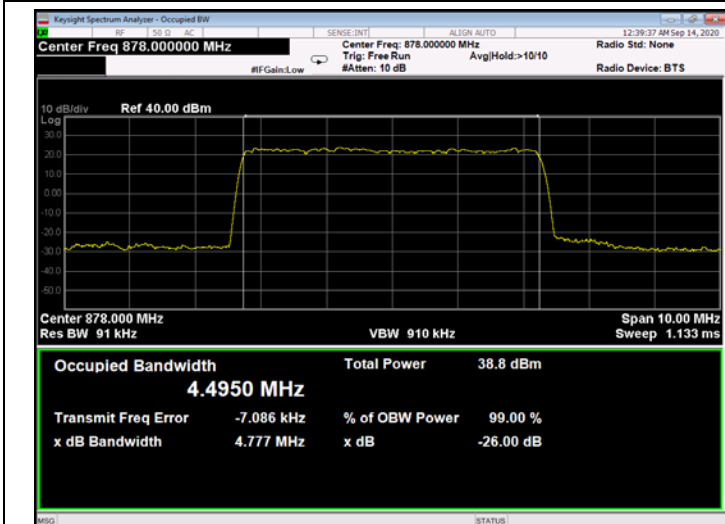


Figure 472: QPSK 5MHz B.W.; 878.0MHz, 15kHz - Output

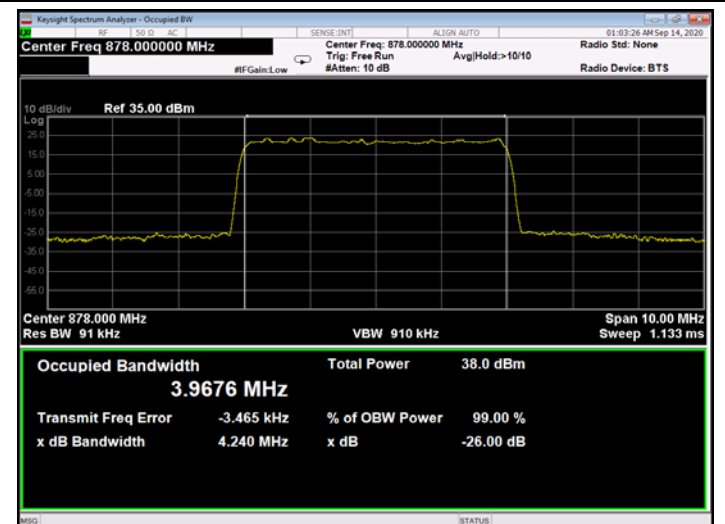


Figure 473: QPSK 5MHz B.W.; 878.0MHz, 30kHz - Output

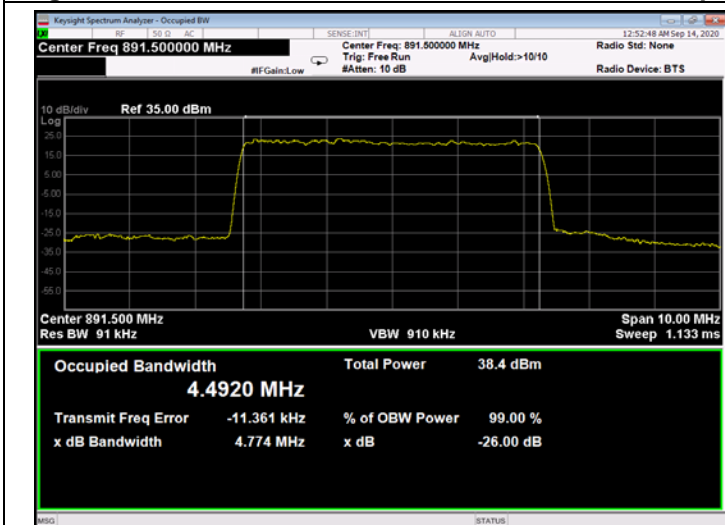


Figure 474: QPSK 5MHz B.W.; 891.50MHz, 15kHz - Output

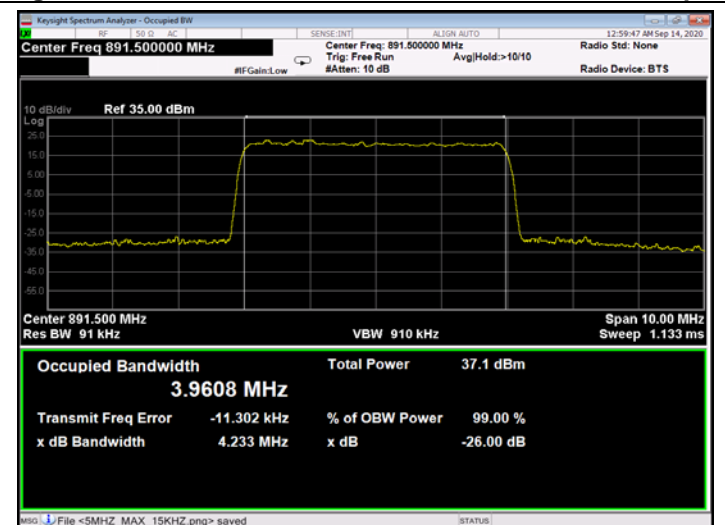


Figure 475: QPSK 5MHz B.W.; 891.5MHz, 30kHz - Output

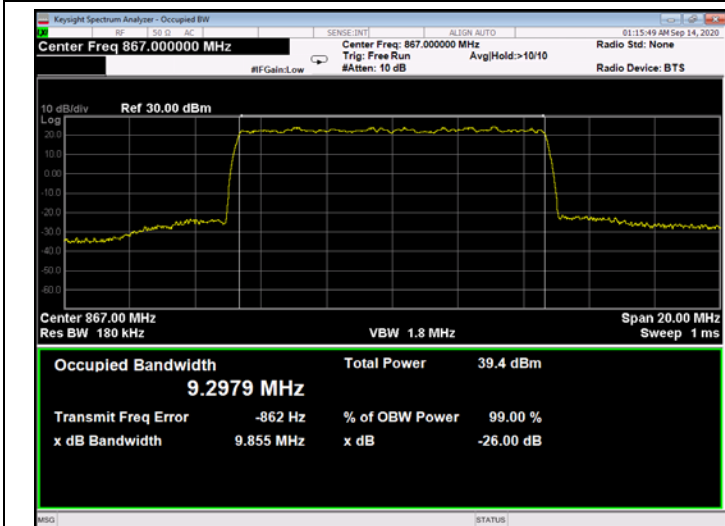


Figure 476: QPSK 10MHz B.W.; 867.0MHz, 15kHz - Output

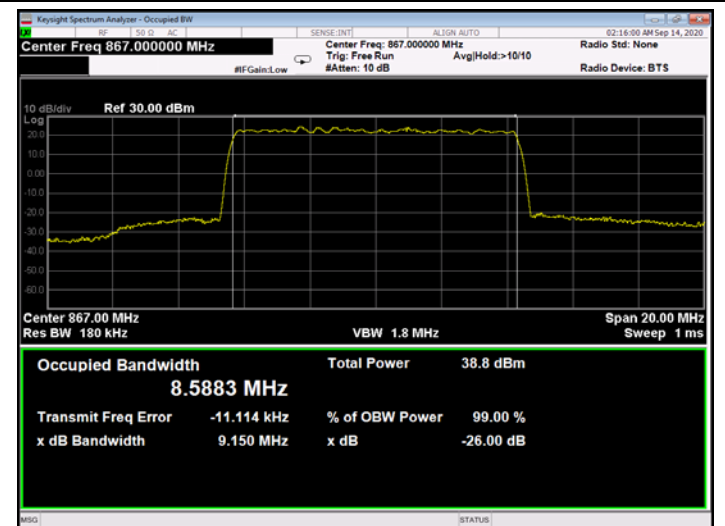


Figure 477: QPSK 10MHz B.W.; 867.0MHz, 30kHz - Output

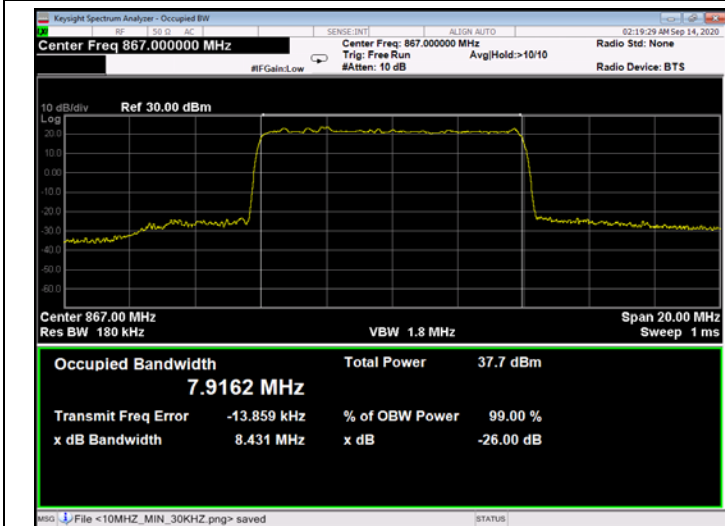


Figure 478: QPSK 10MHz B.W.; 867.0MHz, 60kHz - Output

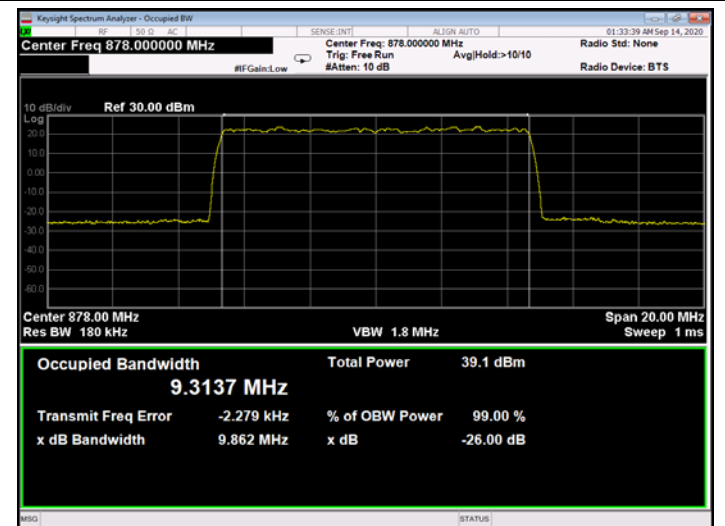


Figure 479: QPSK 10MHz B.W.; 878.0MHz, 15kHz - Output

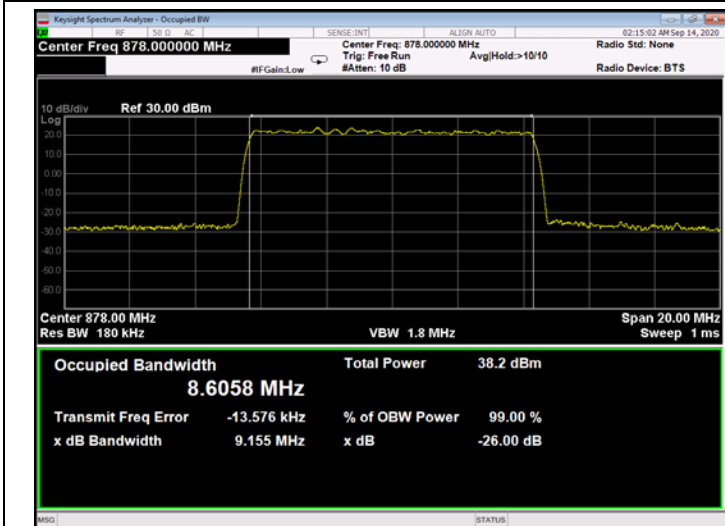


Figure 480: QPSK 10MHz B.W.; 878.0MHz, 30kHz - Output

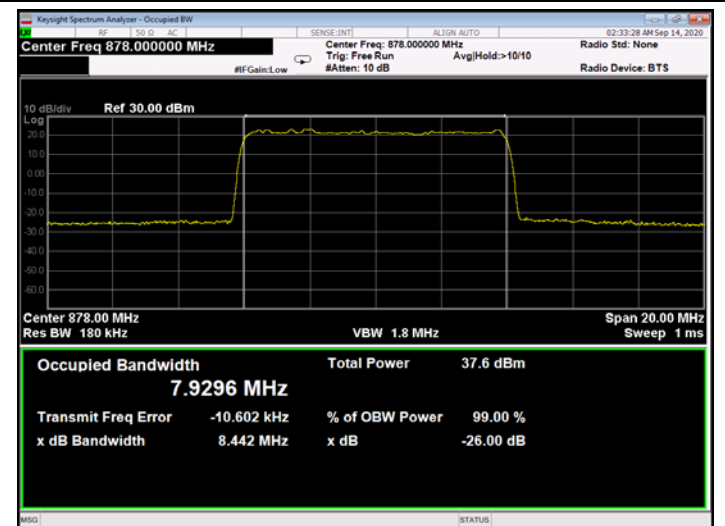


Figure 481: QPSK 10MHz B.W.; 878.0MHz, 60kHz - Output

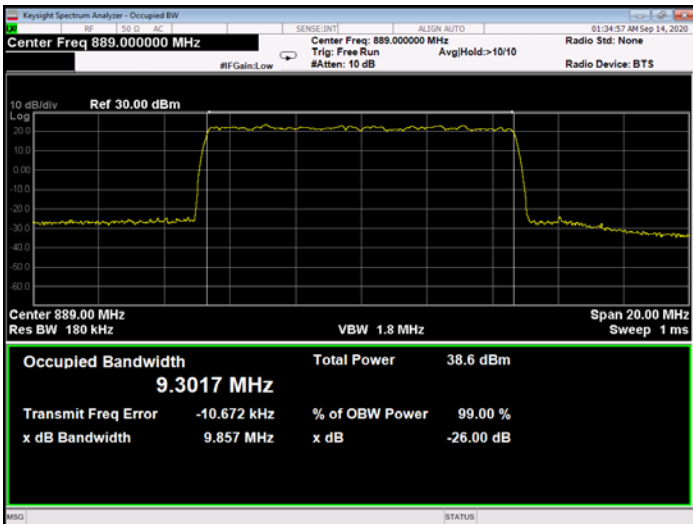


Figure 482: QPSK 10MHz B.W.; 889.0MHz, 15kHz - Output

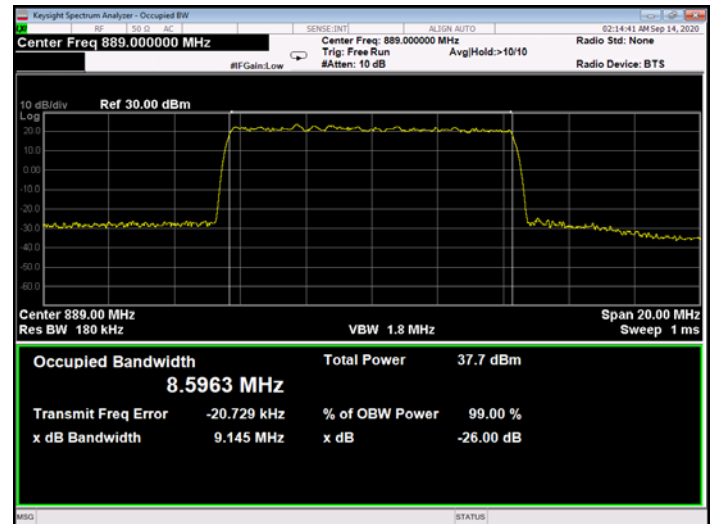


Figure 483: QPSK 10MHz B.W.; 889.0MHz, 30kHz - Output

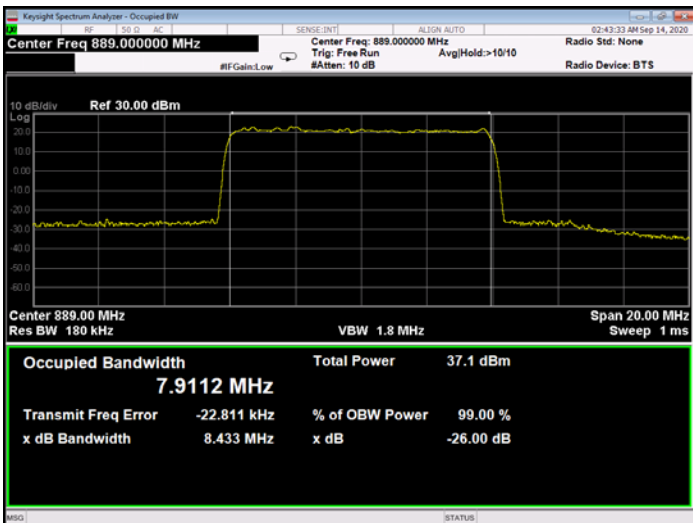


Figure 484: QPSK 10MHz B.W.; 889.0MHz, 60kHz - Output

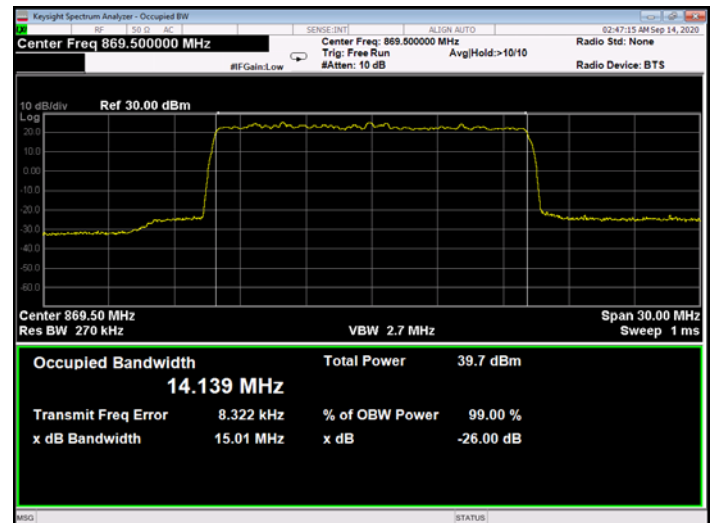


Figure 485: QPSK 15MHz B.W.; 869.5MHz, 15kHz - Output

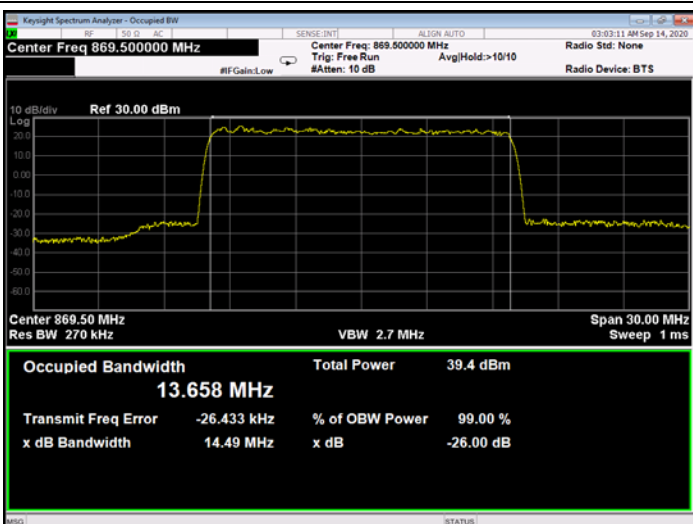


Figure 486: QPSK 15MHz B.W.; 869.5MHz, 30kHz - Output

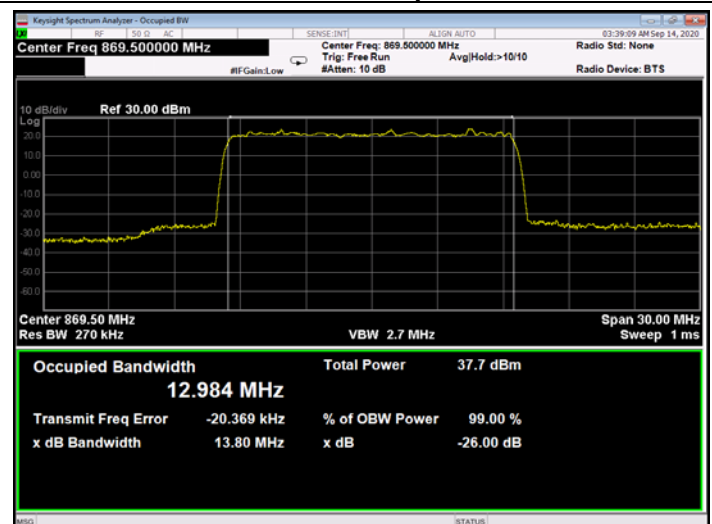


Figure 487: QPSK 15MHz B.W.; 869.5MHz, 60kHz - Output

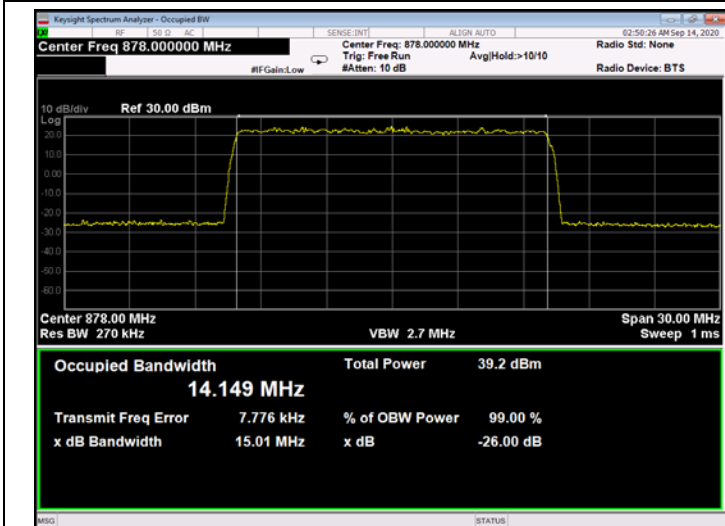


Figure 488: QPSK 15MHz B.W.; 878.0MHz, 15kHz - Output

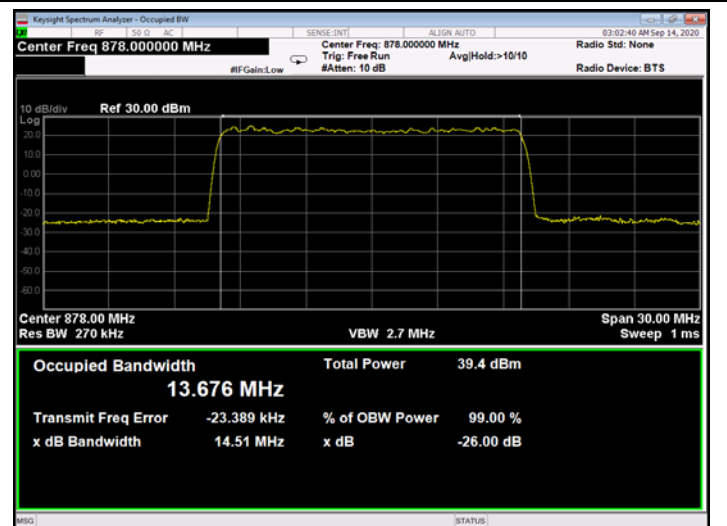


Figure 489: QPSK 15MHz B.W.; 878.0MHz, 30kHz - Output

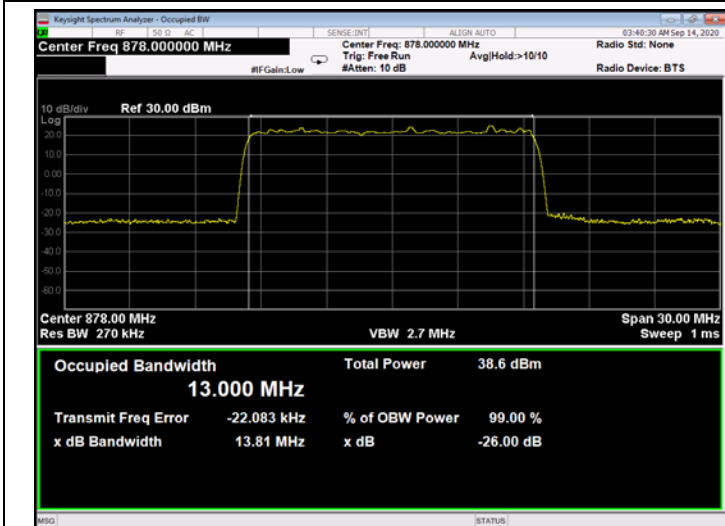


Figure 490: QPSK 15MHz B.W.; 878.0MHz, 60kHz - Output

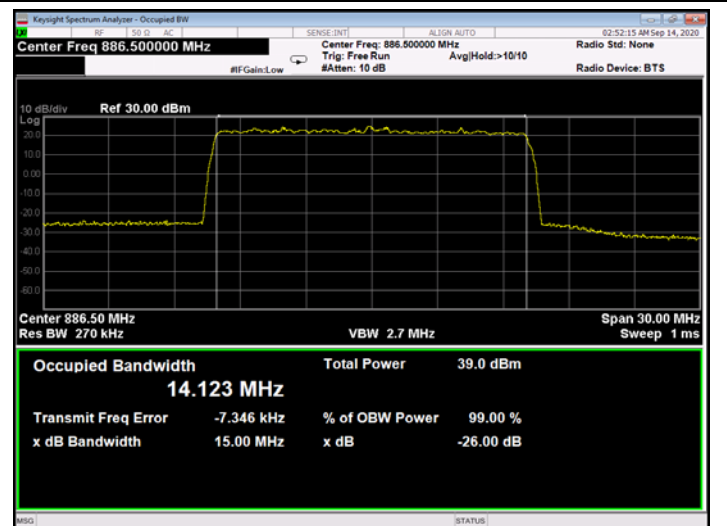


Figure 491: QPSK 15MHz B.W.; 886.5MHz, 15kHz - Output

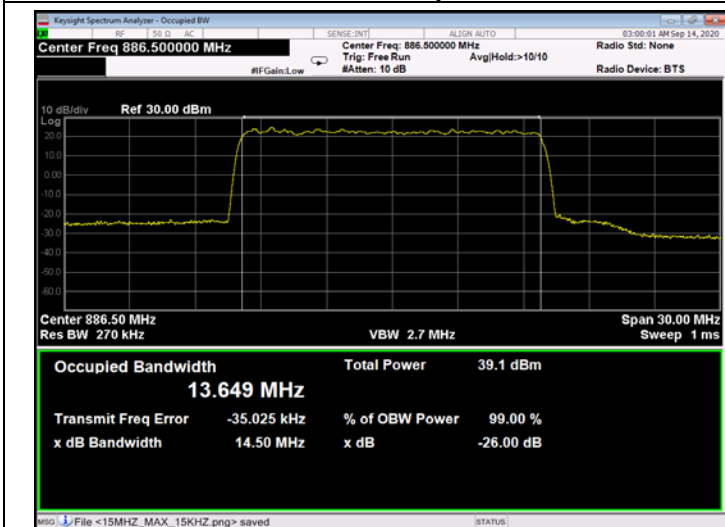


Figure 492: QPSK 15MHz B.W.; 886.5MHz, 30kHz - Output

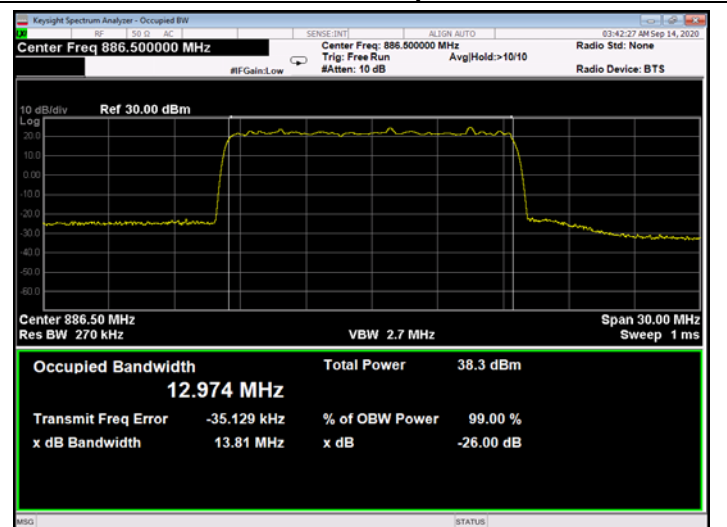


Figure 493: QPSK 15MHz B.W.; 886.5MHz, 60kHz - Output

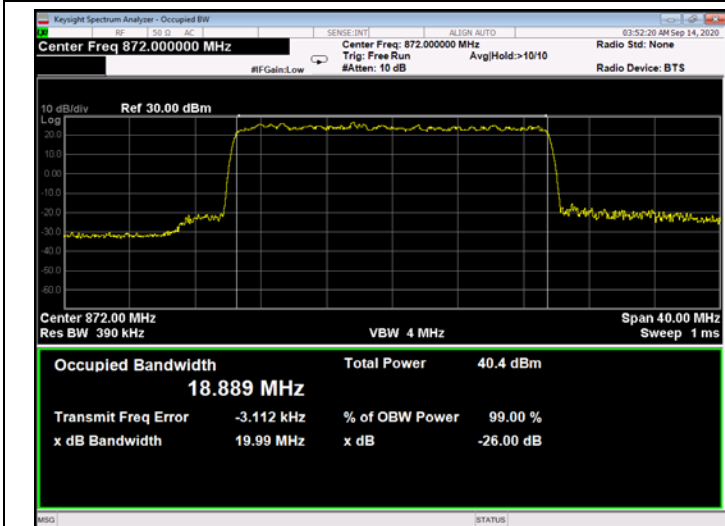


Figure 494: QPSK 20MHz B.W.; 872.0MHz, 15kHz - Output

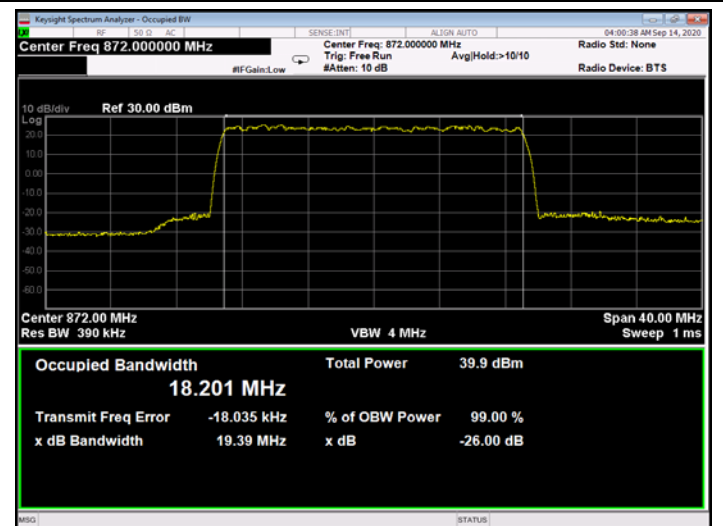


Figure 495: QPSK 20MHz B.W.; 872.05MHz, 30kHz - Output

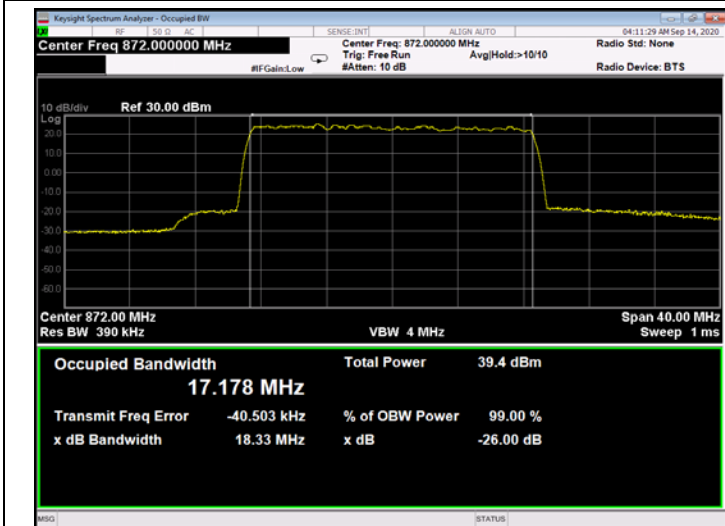


Figure 496: QPSK 20MHz B.W.; 872.0MHz, 60kHz - Output

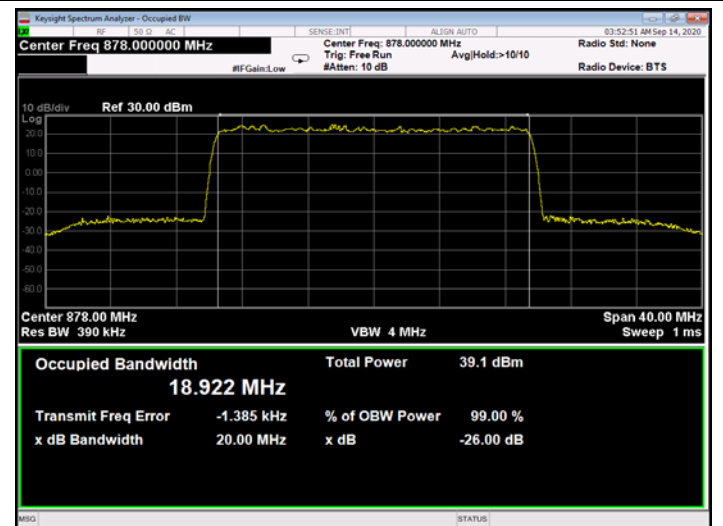


Figure 497: QPSK 20MHz B.W.; 878.0MHz, 15kHz - Output

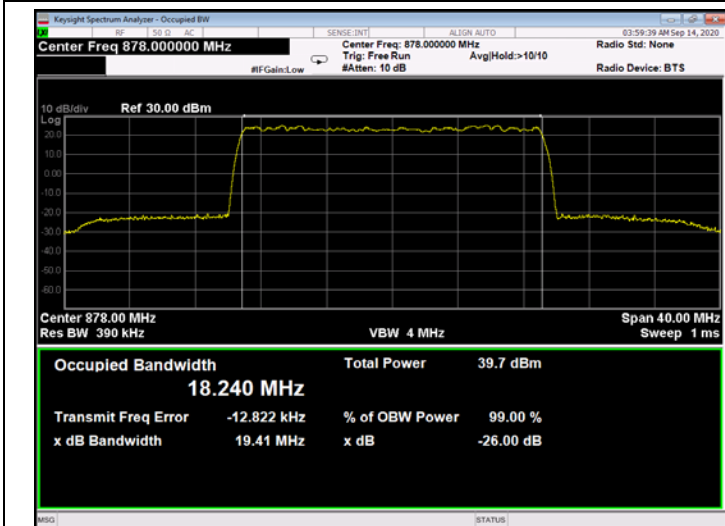


Figure 498: QPSK 20MHz B.W.; 878.0MHz, 30kHz - Output

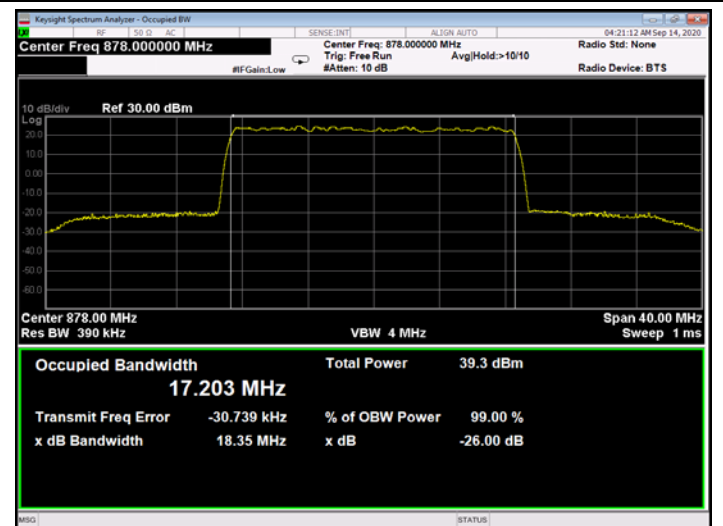


Figure 499: QPSK 20MHz B.W.; 878.0MHz, 60kHz - Output

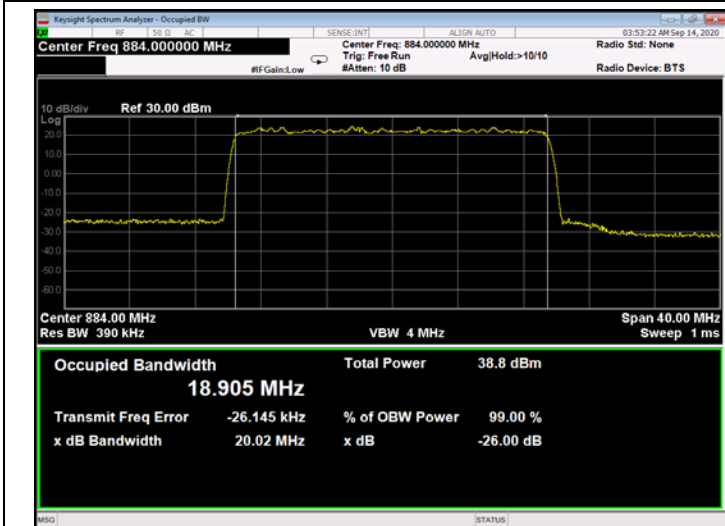


Figure 500: QPSK 20MHz B.W.; 884.0MHz, 15kHz - Output

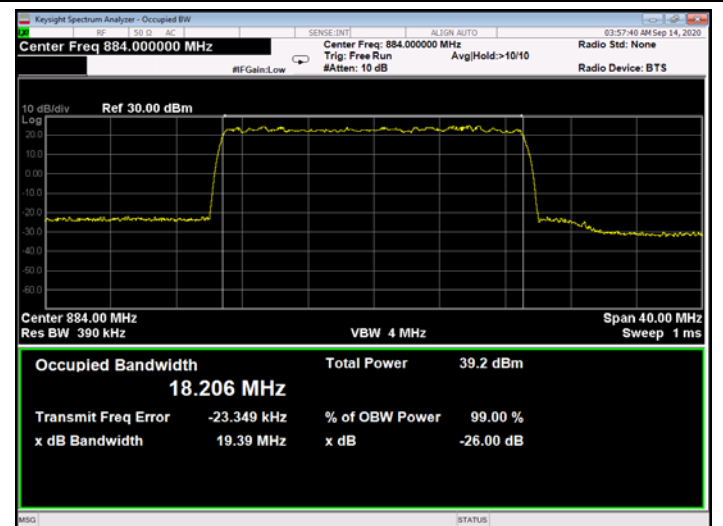


Figure 501: QPSK 20MHz B.W.; 884.0MHz, 30kHz - Output

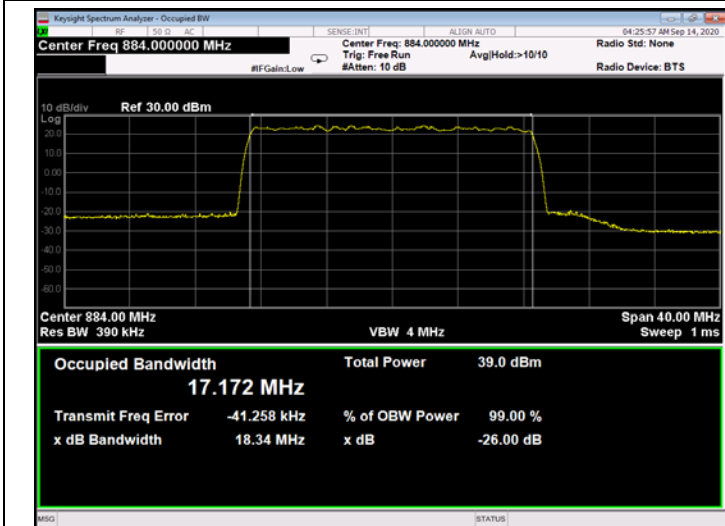


Figure 502: QPSK 20MHz B.W.; 884.0MHz, 60kHz - Output

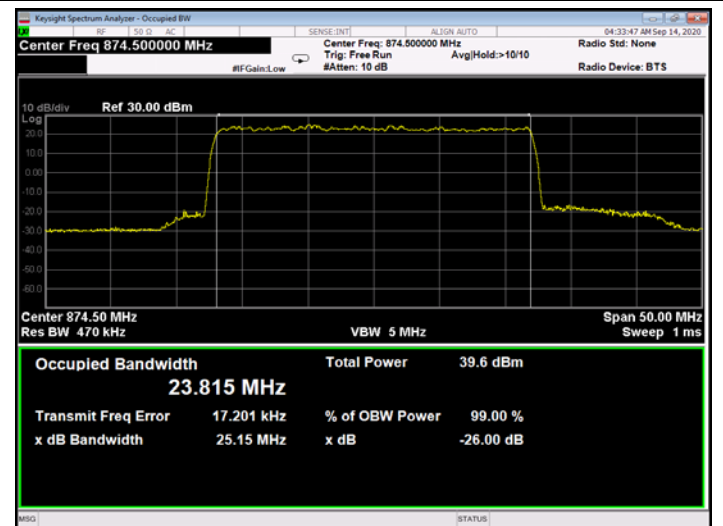


Figure 503: QPSK 25MHz B.W.; 874.5MHz, 15kHz - Output

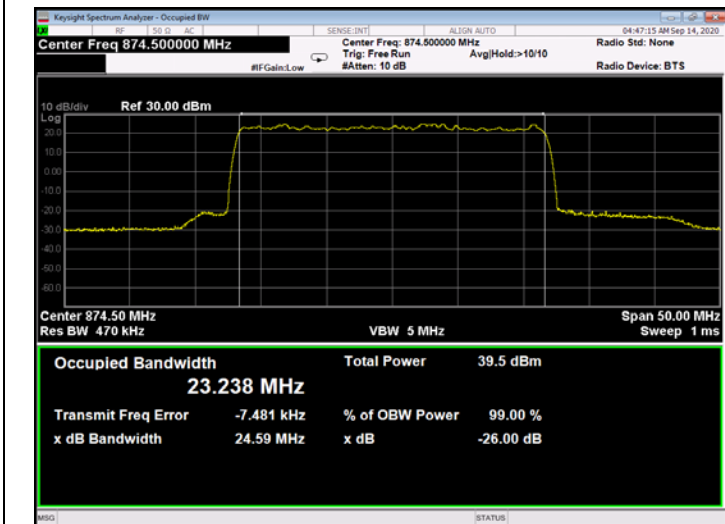


Figure 504: QPSK 25MHz B.W.; 874.5MHz, 30kHz - Output

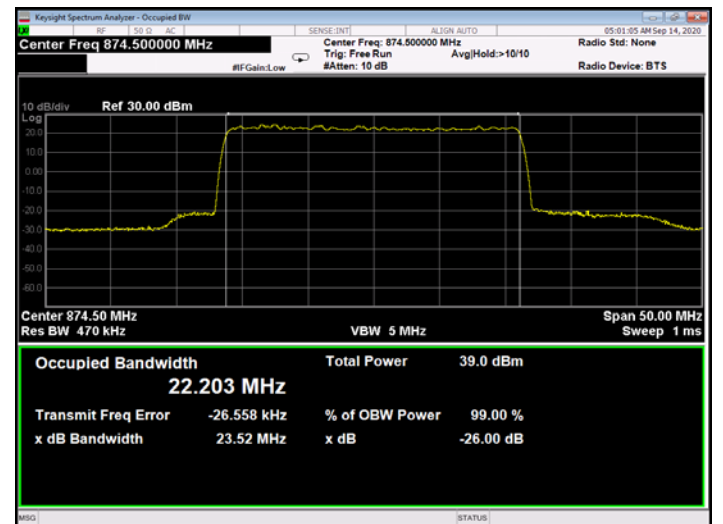


Figure 505: QPSK 25MHz B.W.; 874.5MHz, 60kHz - Output

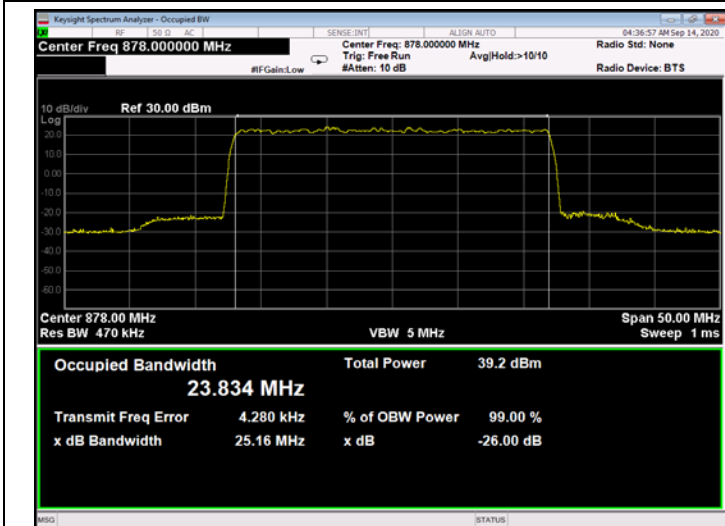


Figure 506: QPSK 25MHz B.W.; 878.0MHz, 15kHz - Output

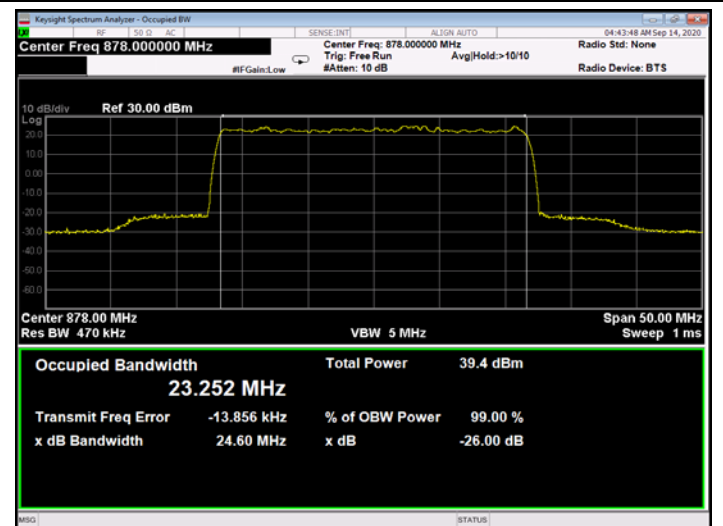


Figure 507: QPSK 25MHz B.W.; 878.0MHz, 30kHz - Output

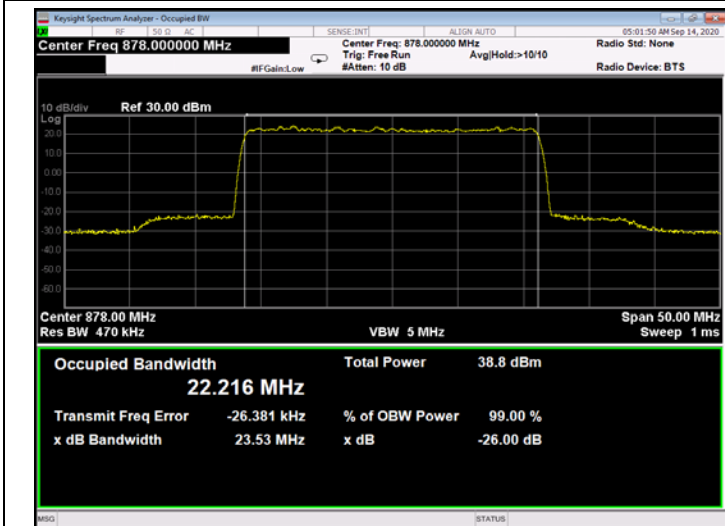


Figure 508: QPSK 25MHz B.W.; 878.0MHz, 60kHz - Output

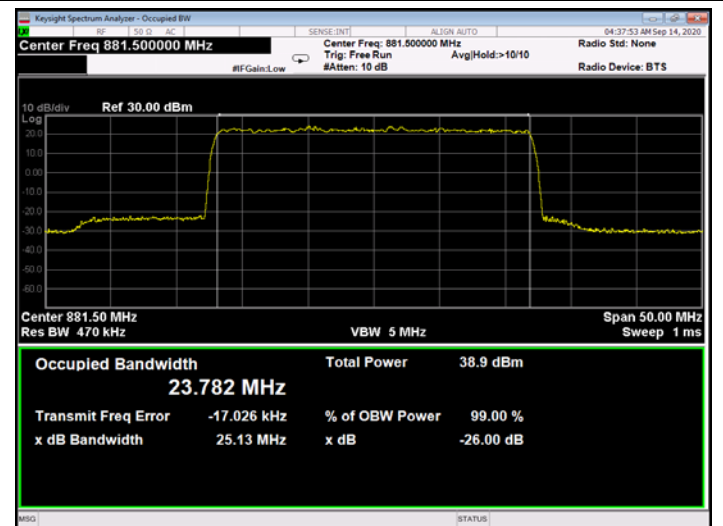


Figure 509: QPSK 25MHz B.W.; 881.5MHz, 15kHz - Output

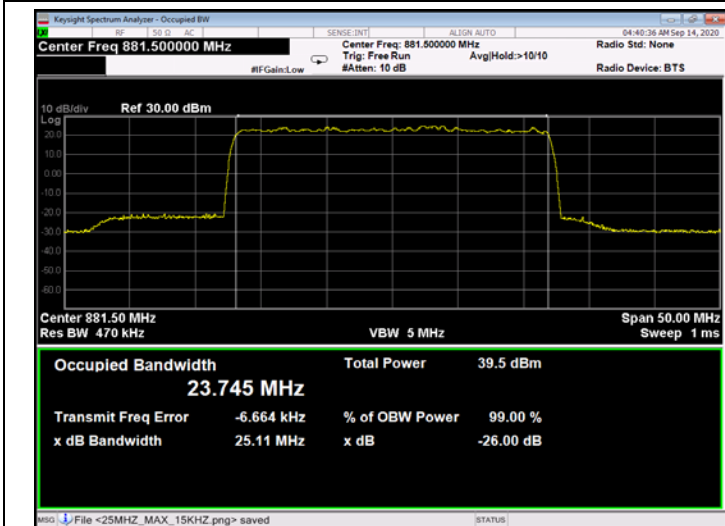


Figure 510: QPSK 25MHz B.W.; 881.5MHz, 30kHz - Output

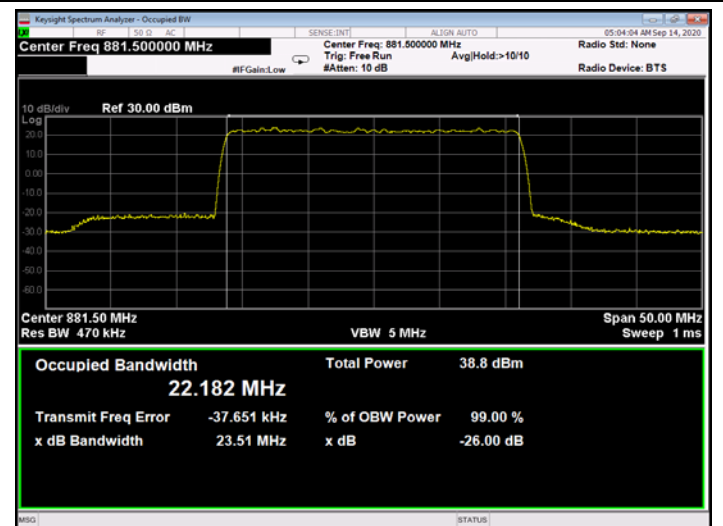


Figure 511: QPSK 25MHz B.W.; 881.5MHz, 60kHz - Output



5.5 Test Equipment Used; Occupied Bandwidth

Instrument	Manufacturer	Model	Serial Number	Calibration	
				Last Calibration Date	Next Calibration Due
EXA signal Analyzer	Agilent Technologies	N9010A	MY52220686	November 28, 2018	November 28, 2020
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 14 Test Equipment Used



6 Spurious Emissions at Antenna Terminals

6.1 Test Specification

FCC Part 27, Subpart C, Sections 27.53(a)(1)

6.2 Test Procedure

(Temperature (22°C)/ Humidity (36%RH))

The E.U.T. antenna terminal was connected to the spectrum analyzer through an external attenuator and an appropriate coaxial cable (max loss 42.0 dB).

The evaluation was performed in the frequency band from 9.0kHz-10.0GHz.

6.3 Test Limit

The power of any emission outside of the authorized operating frequency ranges(862 - 894 MHz) must be attenuated below the transmitting power (P) by a factor of at least $43 + \log (P)$ dB, yielding -13dBm .

6.4 Test Results

JUDGEMENT: Passed

See additional information in Figure 512 to Figure 679.

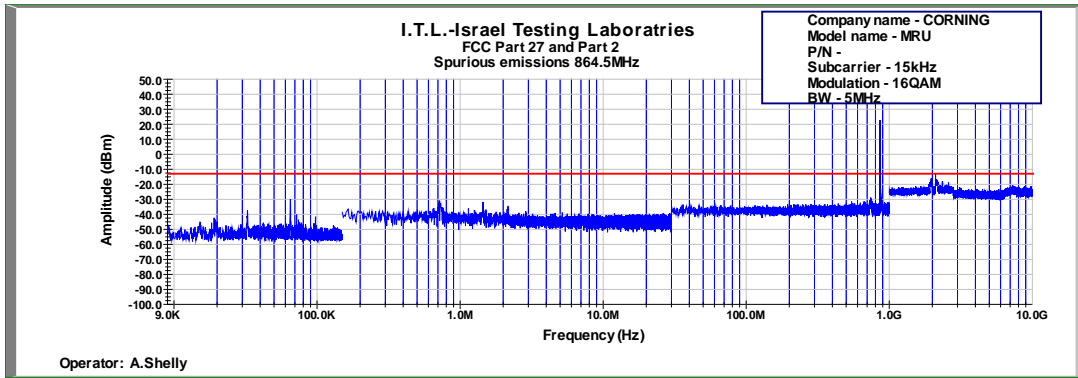


Figure 512: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 864.5MHz, 15kHz

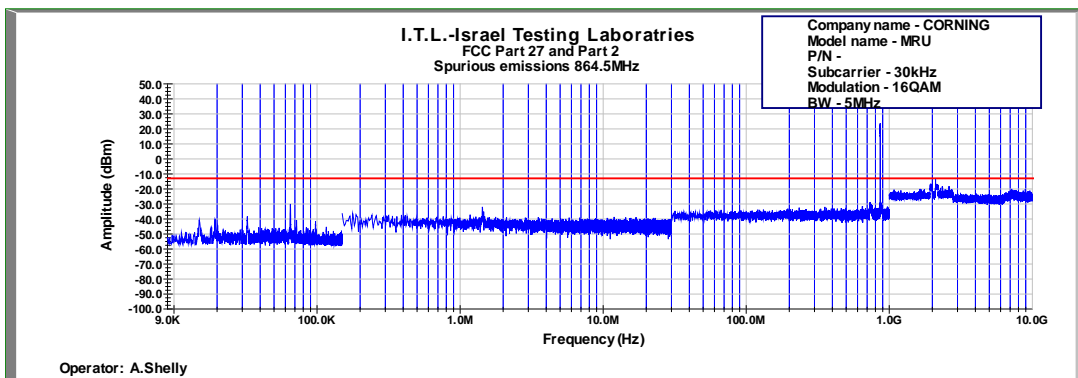


Figure 513: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 864.5MHz, 30kHz

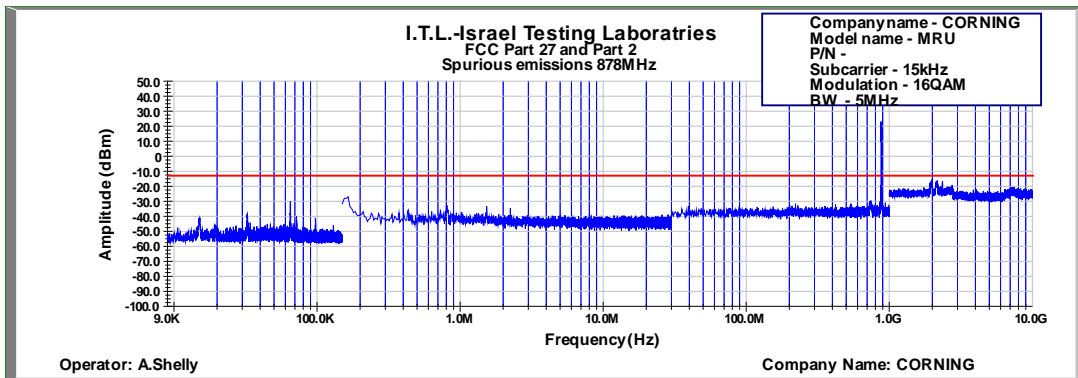


Figure 514: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 878.0MHz, 15kHz

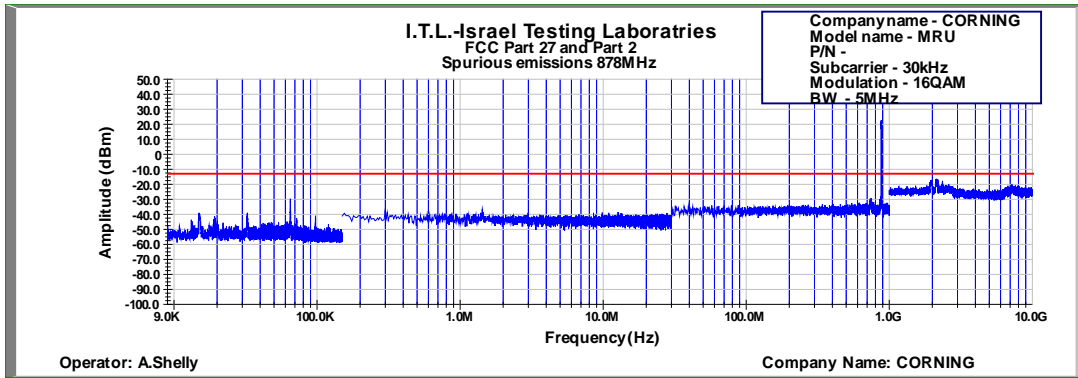


Figure 515: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 878.0MHz, 30kHz

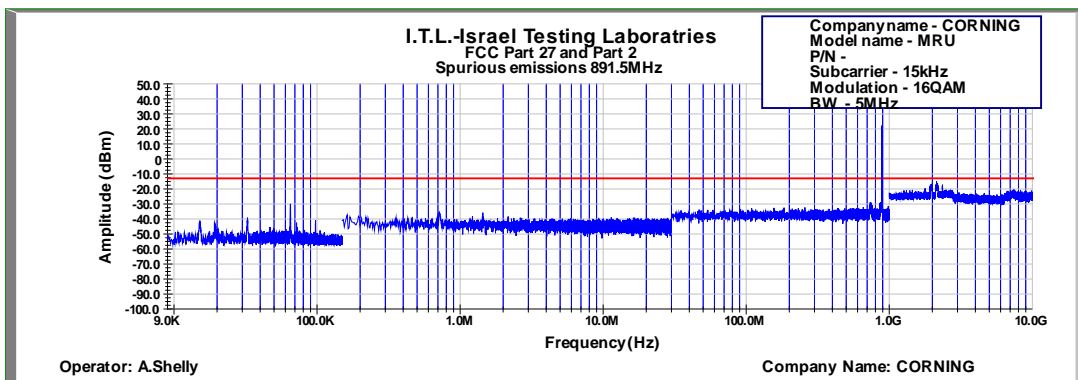


Figure 516: Spurious Emissions at Antenna Terminal 16QAM 5MHz B.W.; 891.5MHz, 15kHz

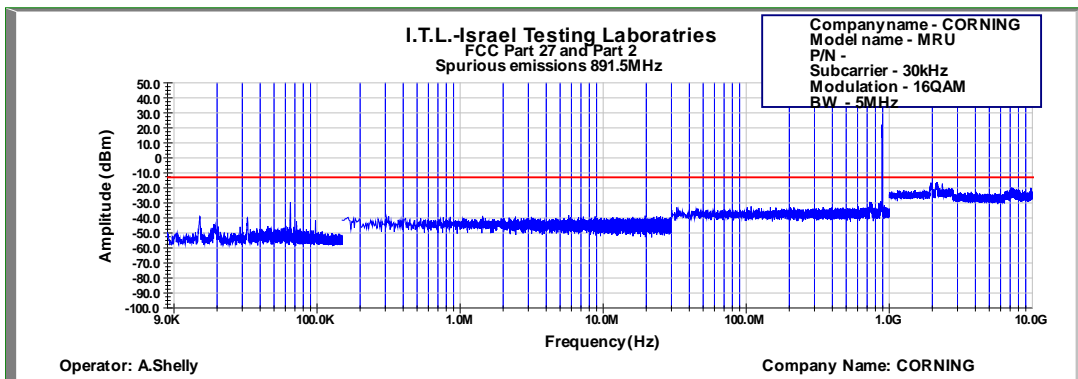


Figure 517: Spurious Emissions at Antenna Terminal 16QAM 5MHz; 891.5MHz, 30kHz

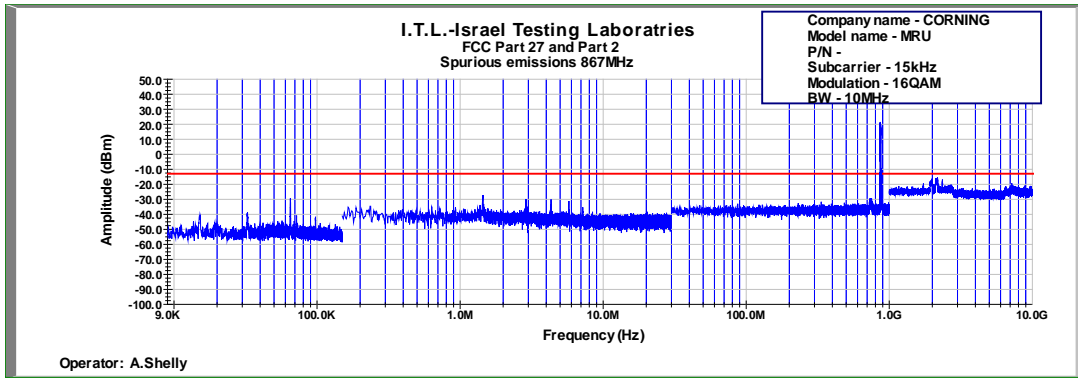


Figure 518: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 867.0MHz, 15kHz

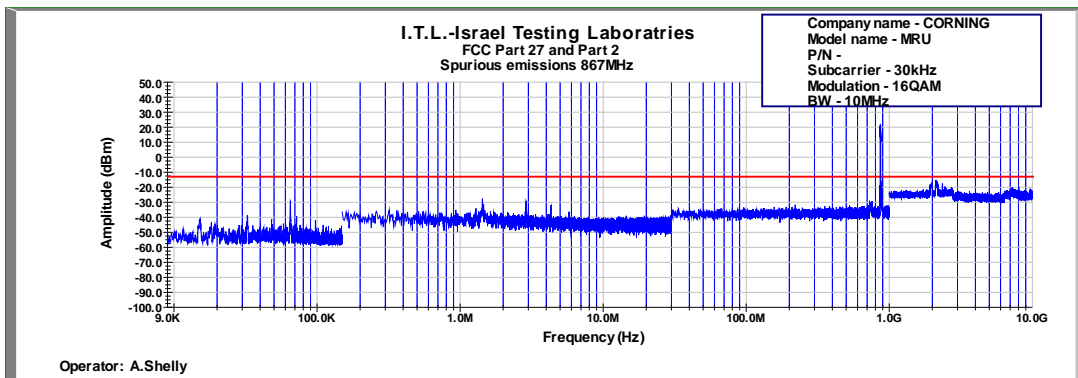


Figure 519: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 867.0MHz, 30kHz

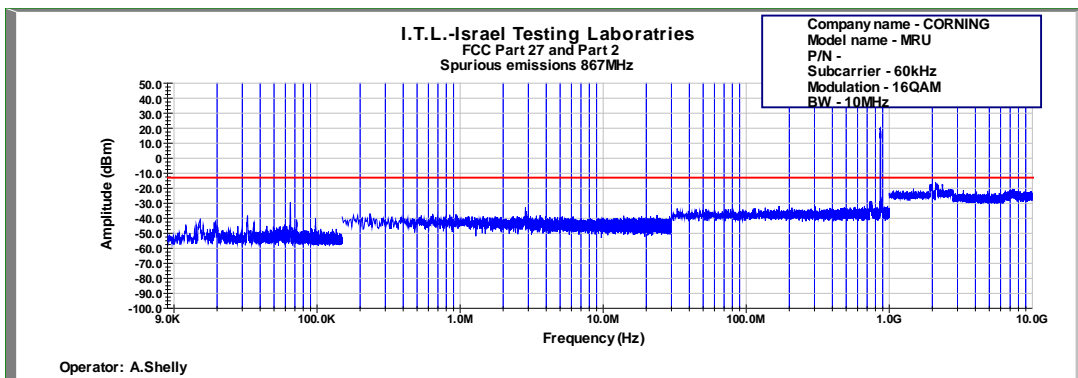


Figure 520: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 867.0MHz, 60kHz

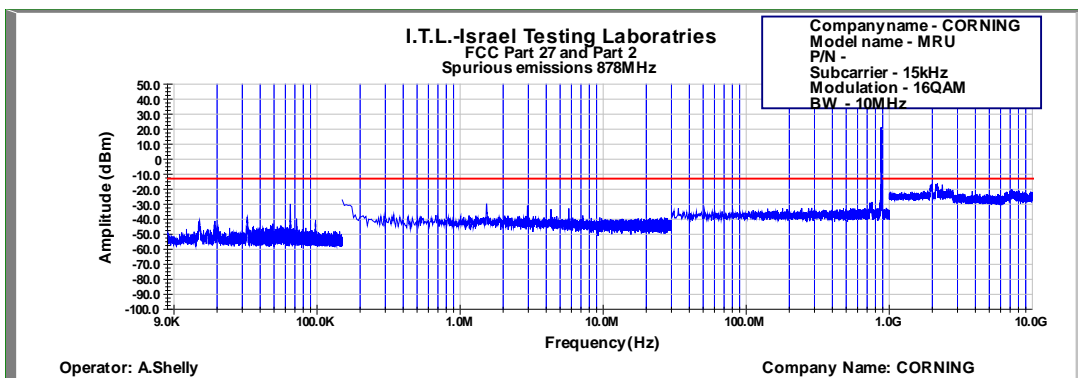


Figure 521: Spurious Emissions at Antenna Terminal 16QAM 10MHz B.W.; 878.0MHz, 15kHz