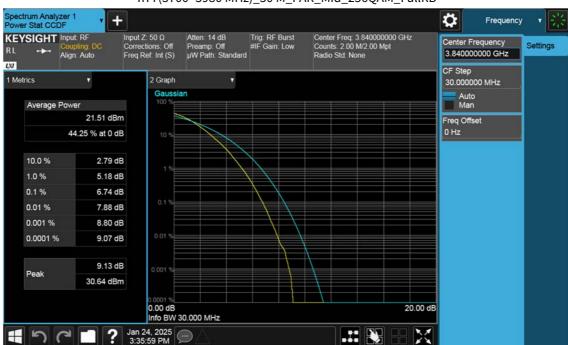




# n77(3700~3980 MHz)\_30 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 447 of 760

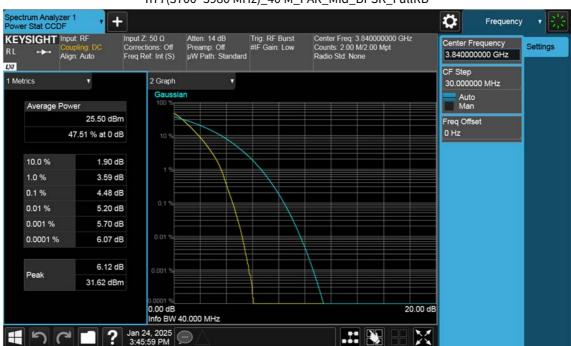




n77(3700~3980 MHz)\_30 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 448 of 760





#### n77(3700~3980 MHz)\_40 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 449 of 760

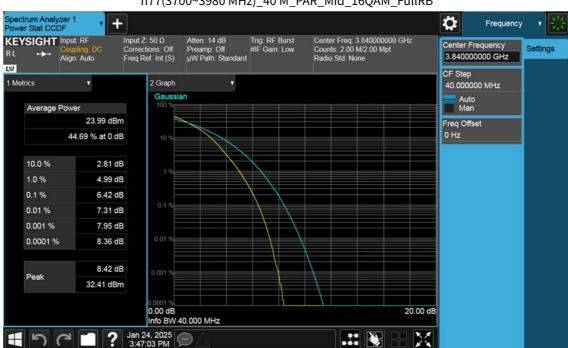




n77(3700~3980 MHz)\_40 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 450 of 760





n77(3700~3980 MHz)\_40 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 451 of 760

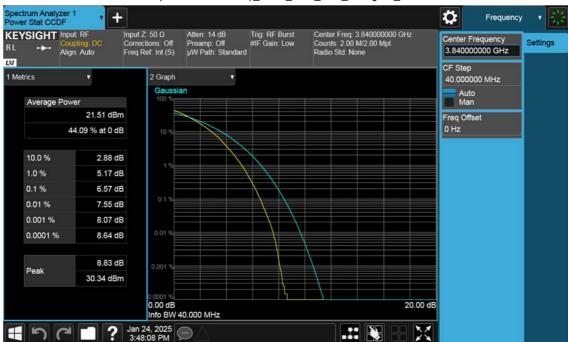




#### n77(3700~3980 MHz)\_40 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 452 of 760

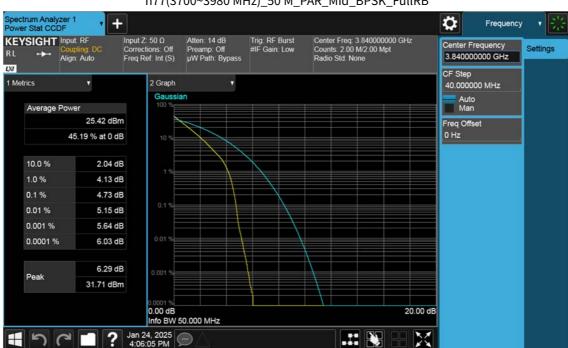




n77(3700~3980 MHz)\_40 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 453 of 760

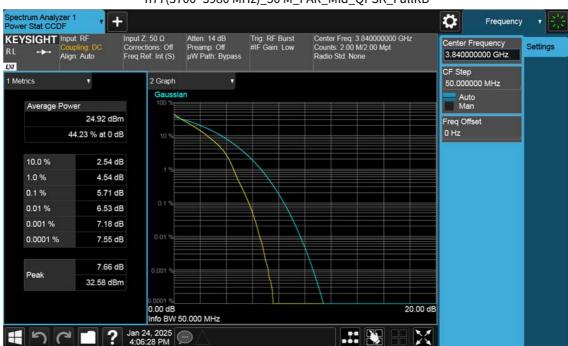




n77(3700~3980 MHz)\_50 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 454 of 760

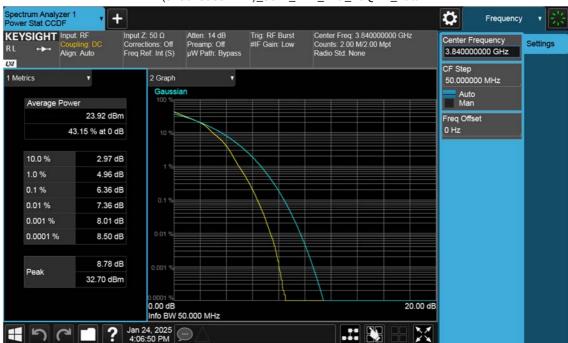




n77(3700~3980 MHz)\_50 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 455 of 760





n77(3700~3980 MHz)\_50 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 456 of 760





# n77(3700~3980 MHz)\_50 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 457 of 760

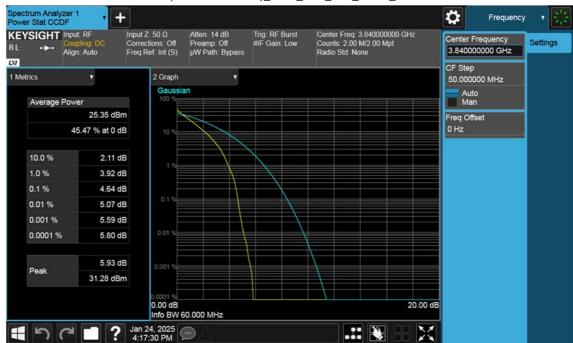




n77(3700~3980 MHz)\_50 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 458 of 760

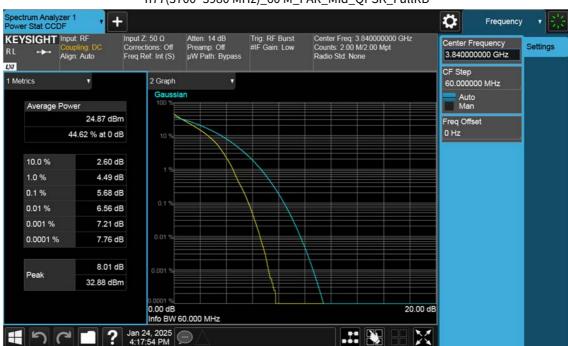




n77(3700~3980 MHz)\_60 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 459 of 760

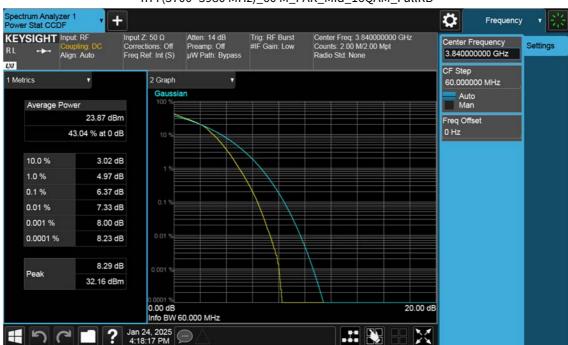




n77(3700~3980 MHz)\_60 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 460 of 760





n77(3700~3980 MHz)\_60 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 461 of 760

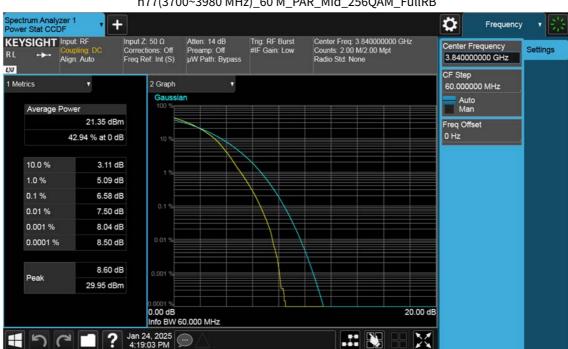




n77(3700~3980 MHz)\_60 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 462 of 760





n77(3700~3980 MHz)\_60 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 463 of 760

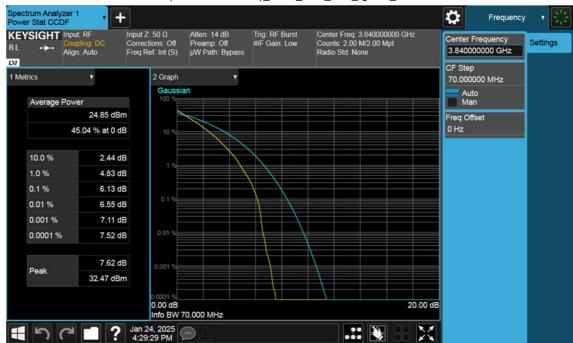




n77(3700~3980 MHz)\_70 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 464 of 760

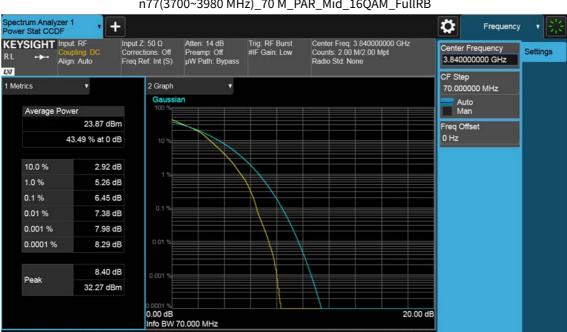




n77(3700~3980 MHz)\_70 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 465 of 760





n77(3700~3980 MHz)\_70 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 466 of 760



#### pectrum Analyzer 1 ower Stat CCDF ø Center Freq: 3.840000000 GHz Counts: 2.00 M/2.00 Mpt Radio Std: None Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) Atten: 14 dB Preamp: Off µW Path: Bypass KEYSIGHT Input RF Trig: RF Burst #IF Gain: Low Center Frequency 3.840000000 GHz Settings RL ĻΩ CF Step 70.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 23.36 dBm Freq Offset 0 Hz 42.97 % at 0 dB 10.0 % 3.06 dB 1.0 % 5.38 dB 0.1 % 6.64 dB 0.01 % 7.58 dB 0.001 % 8.26 dB 0.0001 % 8.50 dB 8.54 dB Peak 31.90 dBm 0.00 dB Info BW 70.000 MHz 20.00 dB

n77(3700~3980 MHz)\_70 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 467 of 760

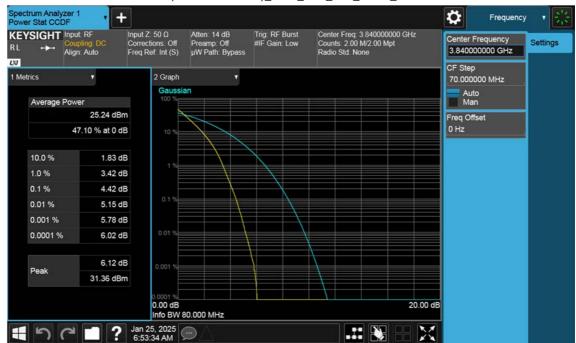




n77(3700~3980 MHz)\_70 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 468 of 760

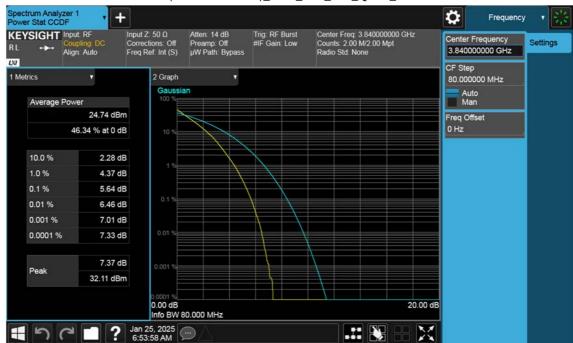




n77(3700~3980 MHz)\_80 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 469 of 760

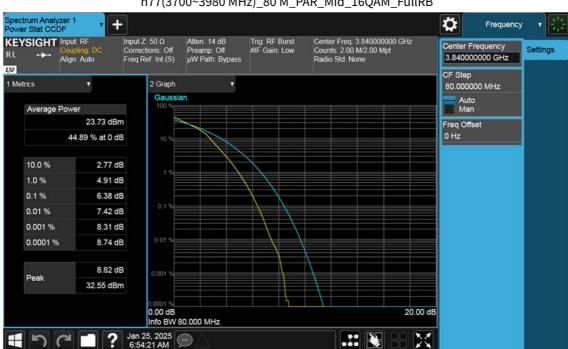




n77(3700~3980 MHz)\_80 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 470 of 760





# n77(3700~3980 MHz)\_80 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 471 of 760





n77(3700~3980 MHz)\_80 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 472 of 760

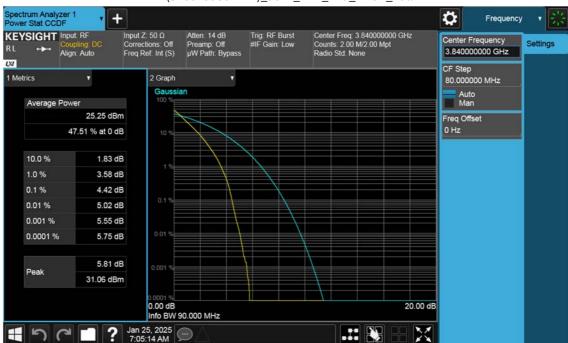




n77(3700~3980 MHz)\_80 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 473 of 760

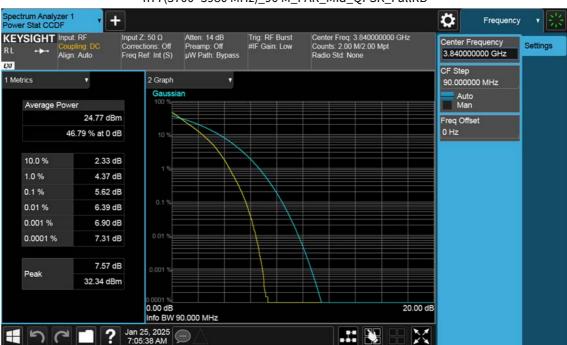




n77(3700~3980 MHz)\_90 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 474 of 760

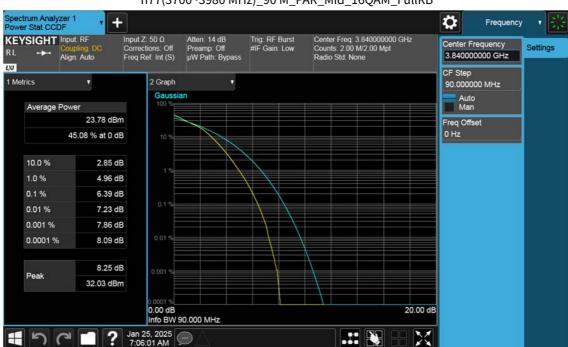




n77(3700~3980 MHz)\_90 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 475 of 760





n77(3700~3980 MHz)\_90 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 476 of 760

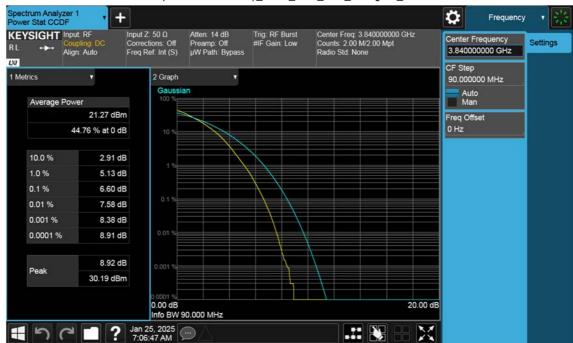




n77(3700~3980 MHz)\_90 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 477 of 760

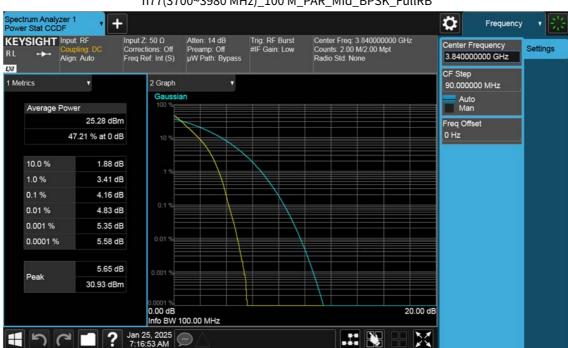




n77(3700~3980 MHz)\_90 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 478 of 760





n77(3700~3980 MHz)\_100 M\_PAR\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 479 of 760





### n77(3700~3980 MHz)\_100 M\_PAR\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 480 of 760





n77(3700~3980 MHz)\_100 M\_PAR\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 481 of 760

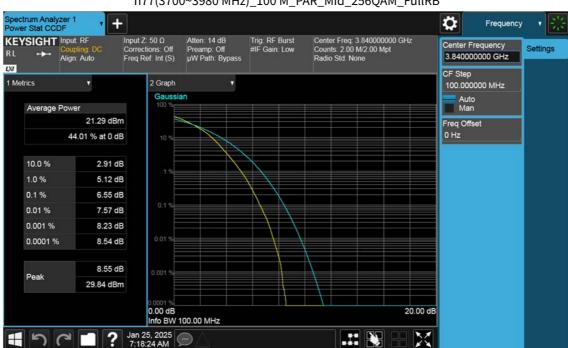




n77(3700~3980 MHz)\_100 M\_PAR\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 482 of 760





n77(3700~3980 MHz)\_100 M\_PAR\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 483 of 760

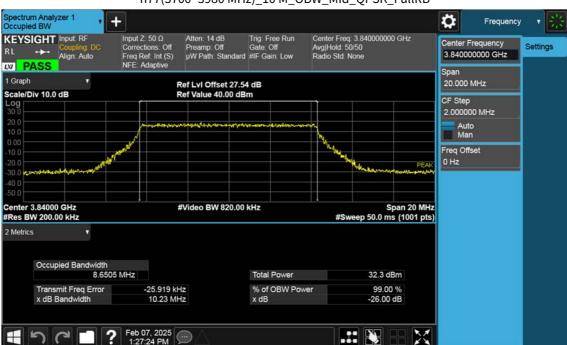




## n77(3700~3980 MHz)\_10 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 484 of 760





## n77(3700~3980 MHz)\_10 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 485 of 760





## n77(3700~3980 MHz)\_10 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 486 of 760





n77(3700~3980 MHz)\_10 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 487 of 760





## n77(3700~3980 MHz)\_10 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 488 of 760





## n77(3700~3980 MHz)\_15 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 489 of 760





## n77(3700~3980 MHz)\_15 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 490 of 760





## n77(3700~3980 MHz)\_15 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 491 of 760





n77(3700~3980 MHz)\_15 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 492 of 760





## n77(3700~3980 MHz)\_15 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 493 of 760

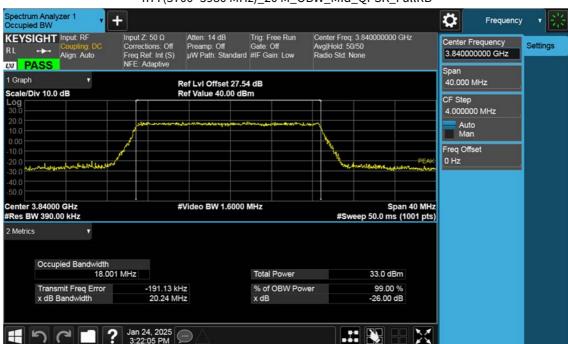




## n77(3700~3980 MHz)\_20 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 494 of 760





# n77(3700~3980 MHz)\_20 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 495 of 760





## n77(3700~3980 MHz)\_20 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 496 of 760





## n77(3700~3980 MHz)\_20 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 497 of 760





n77(3700~3980 MHz)\_20 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 498 of 760

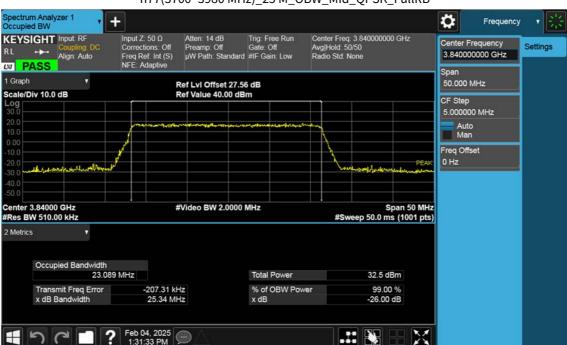




# n77(3700~3980 MHz)\_25 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 499 of 760





## n77(3700~3980 MHz)\_25 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 500 of 760





# n77(3700~3980 MHz)\_25 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 501 of 760





## n77(3700~3980 MHz)\_25 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 502 of 760





## n77(3700~3980 MHz)\_25 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 503 of 760





## n77(3700~3980 MHz)\_30 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 504 of 760

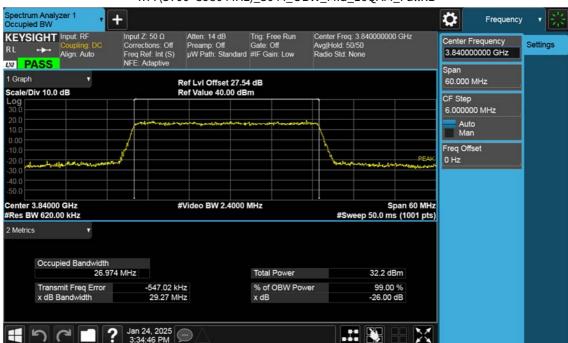


#### ø Center Freq: 3.840000000 GHz Avg|Hold: 50/50 Radio Std: None Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive Atten: 14 dB Trig: Free Run Preamp: Off Gate: Off µW Path: Standard #IF Gain: Low KEYSIGHT Input: RF Center Frequency RL --- Align: Auto Settings 3.840000000 GHz DI PASS 1 Graph 60.000 MHz Ref LvI Offset 27.54 dB Ref Value 40.00 dBm Scale/Div 10.0 dB CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Center 3.84000 GHz #Res BW 620.00 kHz Span 60 MHz #Sweep 50.0 ms (1001 pts) #Video BW 2.4000 MHz 2 Metrics Occupied Bandwidth 26.939 MHz 33.3 dBm Total Power Transmit Freq Error x dB Bandwidth -563.43 kHz 99.00 % -26.00 dB % of OBW Power 4 5 C 7 Jan 24, 2025 3:34:15 PM

# n77(3700~3980 MHz)\_30 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 505 of 760





## n77(3700~3980 MHz)\_30 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 506 of 760





## n77(3700~3980 MHz)\_30 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 507 of 760

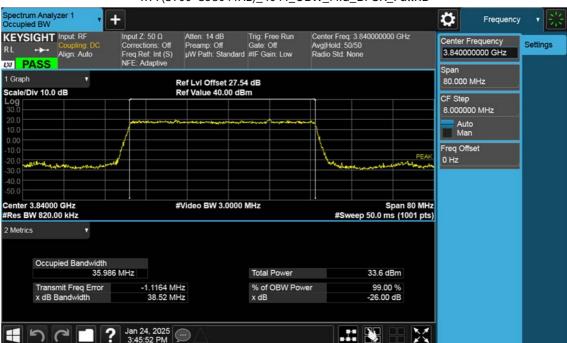




## n77(3700~3980 MHz)\_30 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 508 of 760





# n77(3700~3980 MHz)\_40 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 509 of 760





## n77(3700~3980 MHz)\_40 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 510 of 760





## n77(3700~3980 MHz)\_40 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 511 of 760





# n77(3700~3980 MHz)\_40 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 512 of 760





## n77(3700~3980 MHz)\_40 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 513 of 760





## n77(3700~3980 MHz)\_50 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 514 of 760





## n77(3700~3980 MHz)\_50 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 515 of 760





## n77(3700~3980 MHz)\_50 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 516 of 760





## n77(3700~3980 MHz)\_50 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 517 of 760





## n77(3700~3980 MHz)\_50 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 518 of 760





## n77(3700~3980 MHz)\_60 M\_OBW\_Mid\_BPSK\_FullRB

F-TP22-03 (Rev. 06) Page 519 of 760





# n77(3700~3980 MHz)\_60 M\_OBW\_Mid\_QPSK\_FullRB

F-TP22-03 (Rev. 06) Page 520 of 760





## n77(3700~3980 MHz)\_60 M\_OBW\_Mid\_16QAM\_FullRB

F-TP22-03 (Rev. 06) Page 521 of 760





## n77(3700~3980 MHz)\_60 M\_OBW\_Mid\_64QAM\_FullRB

F-TP22-03 (Rev. 06) Page 522 of 760





## n77(3700~3980 MHz)\_60 M\_OBW\_Mid\_256QAM\_FullRB

F-TP22-03 (Rev. 06) Page 523 of 760