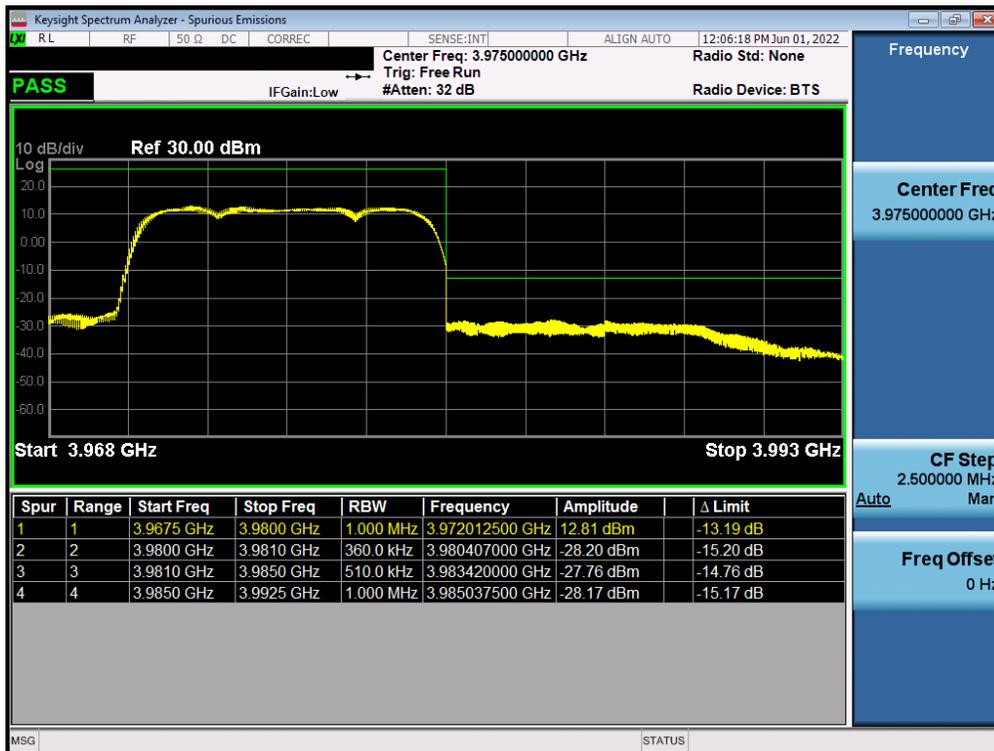


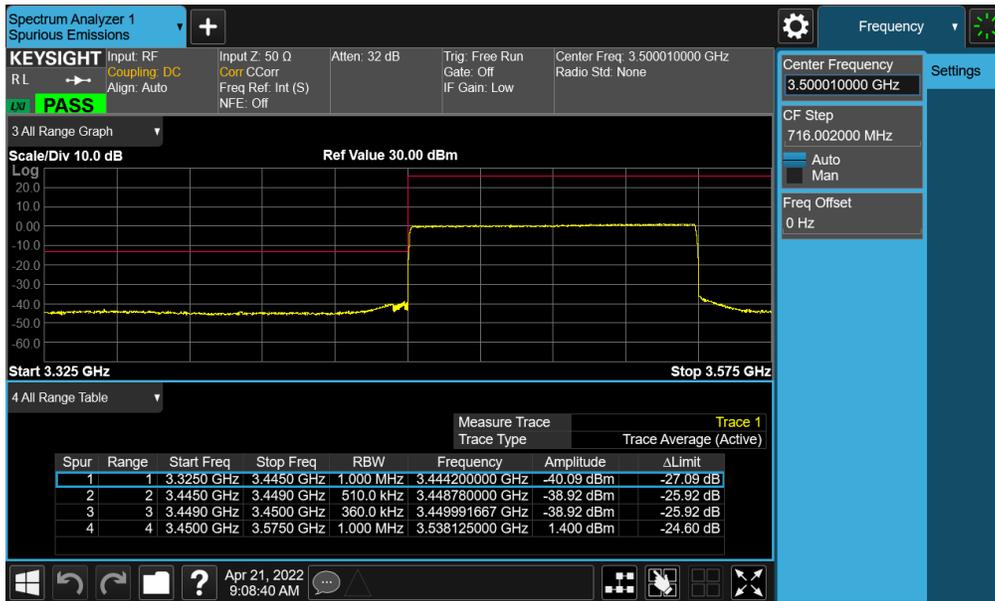
Plot 7-278. Lower ACP Plot (NR Band n77 - C-Band - 10MHz CP-OFDM-QPSK - Full RB - Antenna E)



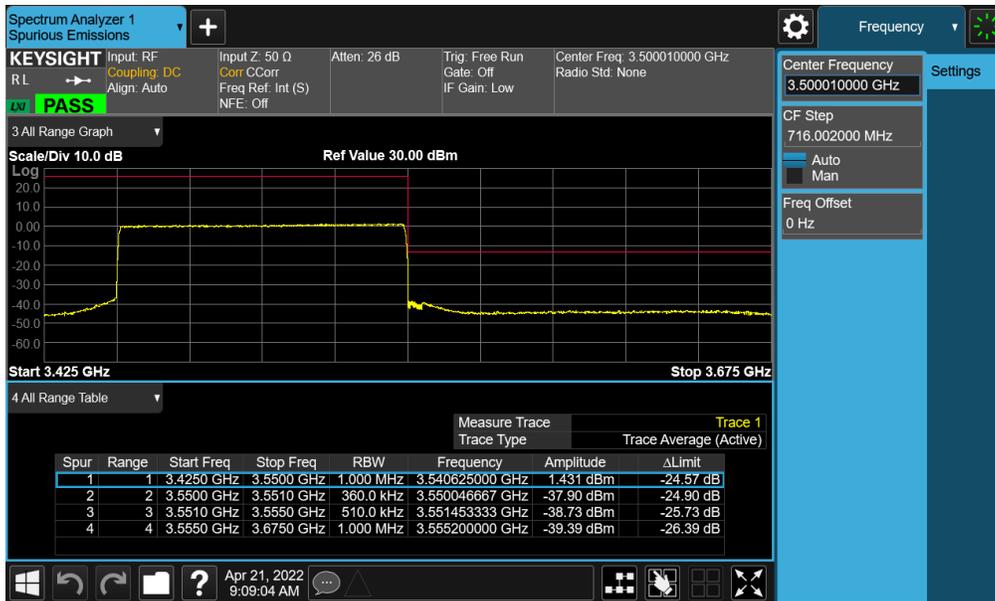
Plot 7-279. Upper ACP Plot (NR Band n77 - C-Band - 10MHz CP-OFDM-QPSK - Full RB - Antenna E)

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NR Band n77 (DoD Band) – SRS-3 – Antenna G



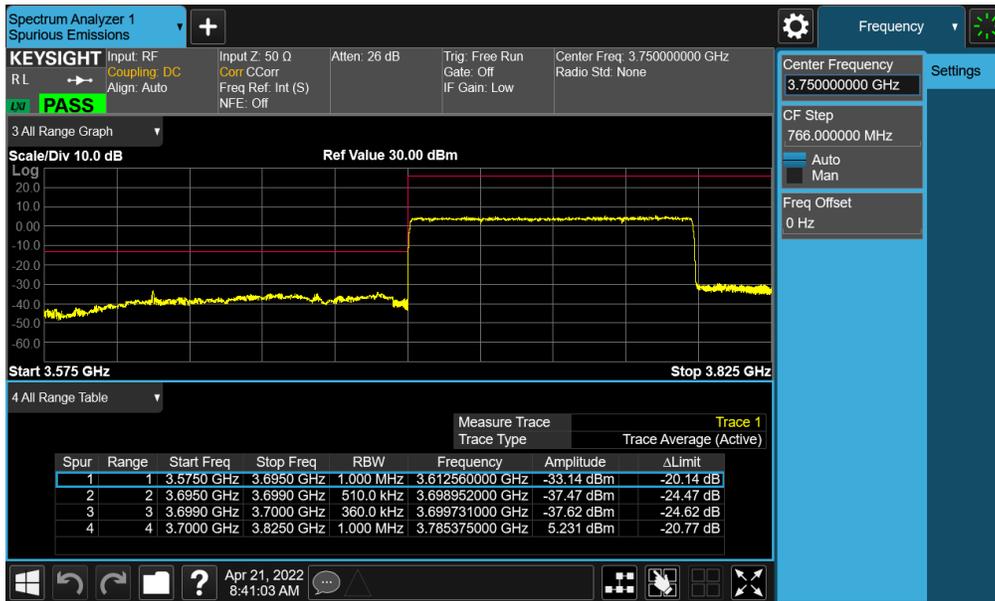
Plot 7-280. Lower ACP Plot (NR Band n77 (DoD)) - 100MHz CP-OFDM-QPSK - Full RB - Antenna G



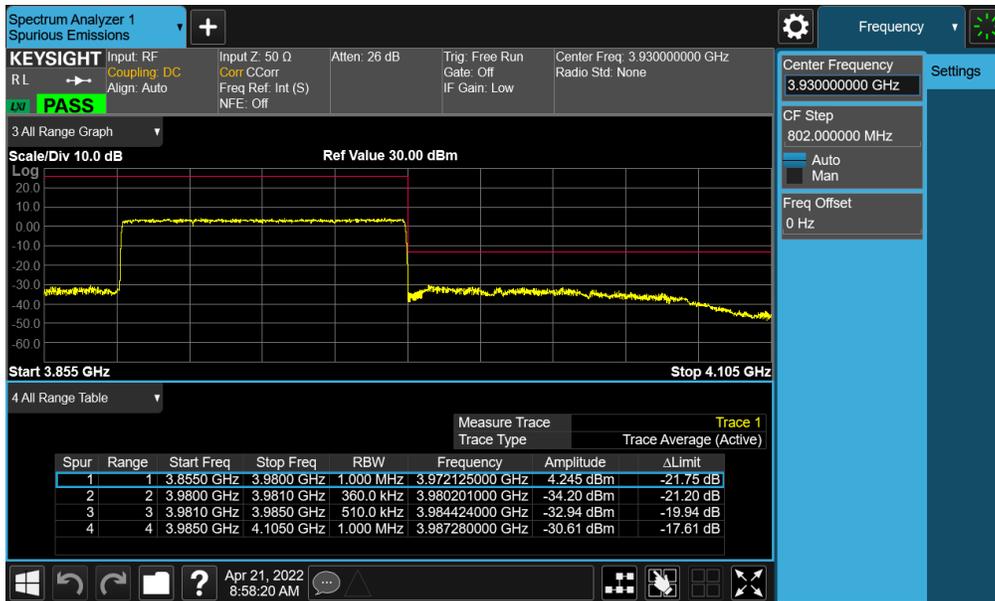
Plot 7-281. Upper ACP Plot (NR Band n77 (DoD)) - 100MHz CP-OFDM-QPSK - Full RB - Antenna G

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – C-Band – SRS-3 – Antenna G



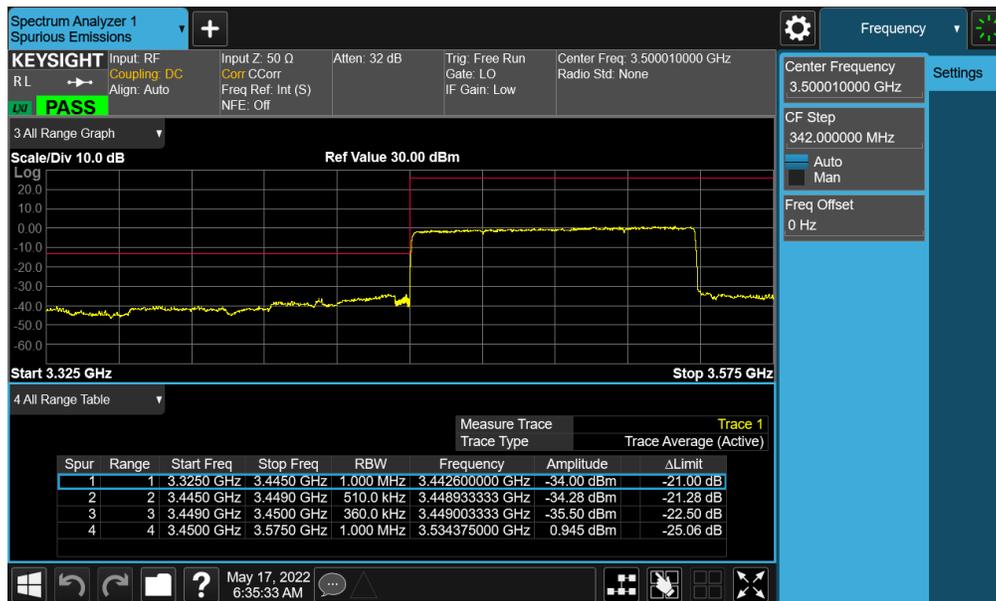
Plot 7-282. Lower ACP Plot (NR Band n77 - C-Band - 100MHz CP-OFDM-QPSK – Full RB – Antenna G)



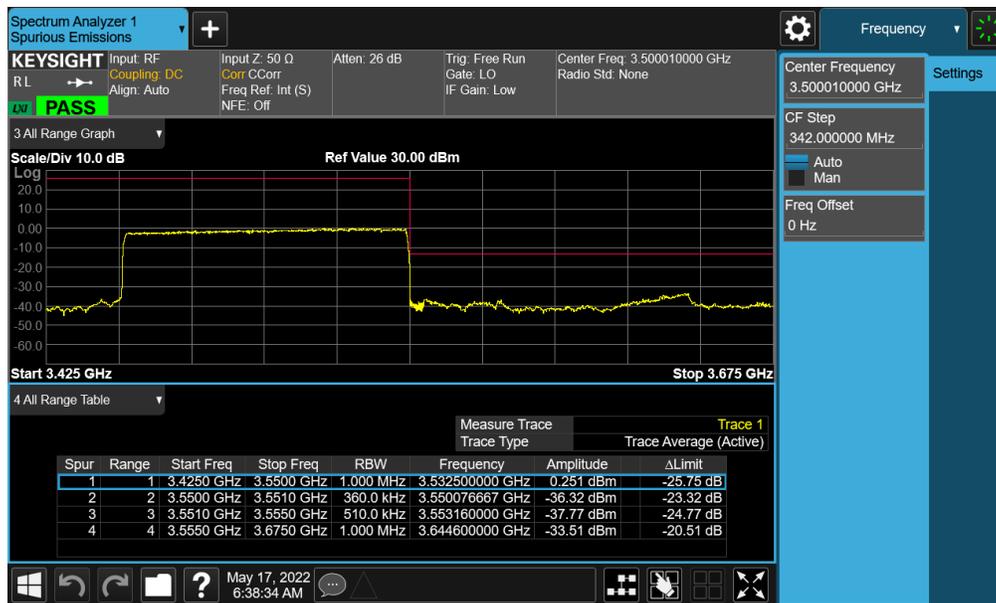
Plot 7-283. Upper ACP Plot (NR Band n77 - C-Band - 100MHz CP-OFDM-QPSK – Full RB – Antenna G)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 (DoD Band) – SRS-4 – Antenna D



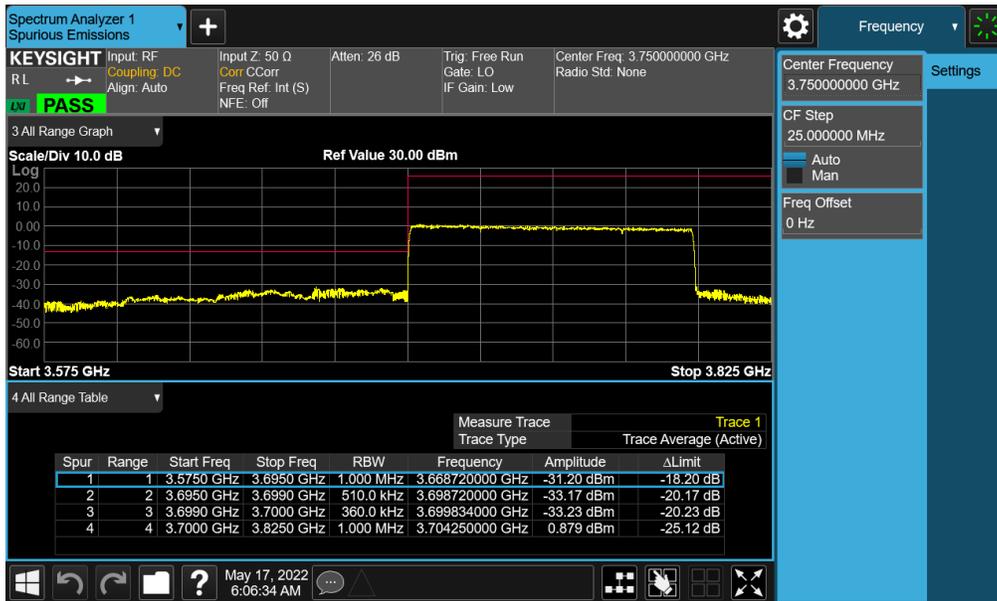
Plot 7-284. Lower ACP Plot (NR Band n77 (DoD) - 100MHz CP-OFDM-QPSK – Full RB – Antenna D)



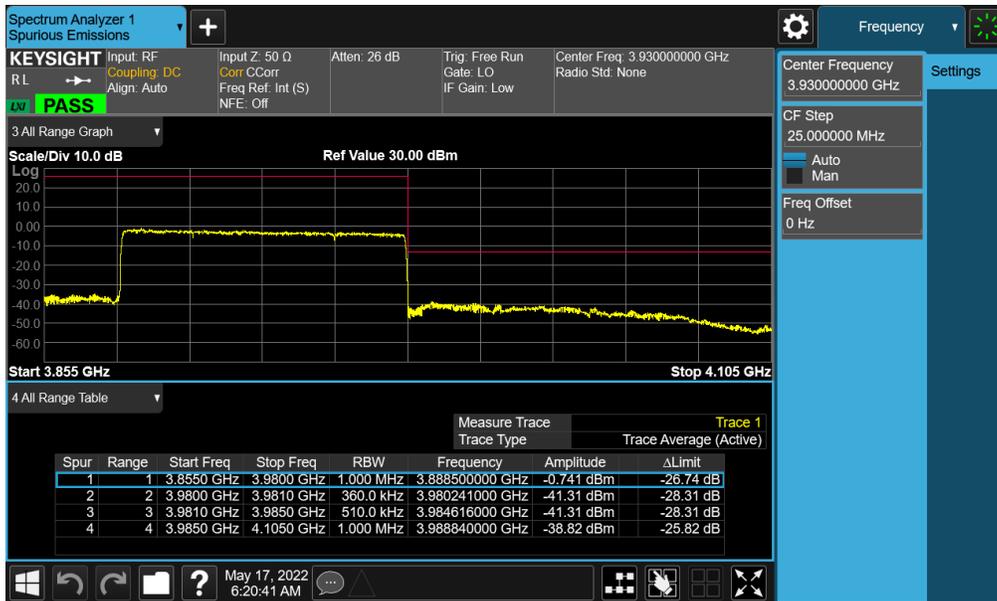
Plot 7-285. Upper ACP Plot (NR Band n77 (DoD) - 100MHz CP-OFDM-QPSK – Full RB – Antenna D)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – C-Band – SRS-4 – Antenna D



Plot 7-286. Lower ACP Plot (NR Band n77 - C-Band - 100MHz CP-OFDM-QPSK – Full RB – Antenna D)



Plot 7-287. Upper ACP Plot (NR Band n77 - C-Band - 100MHz CP-OFDM-QPSK – Full RB – Antenna D)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzer's Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW \geq OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

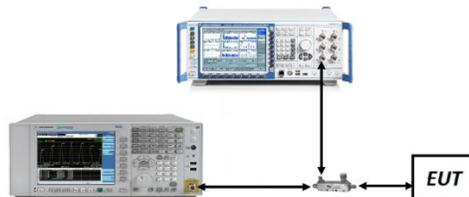


Figure 7-5. Test Instrument & Measurement Setup

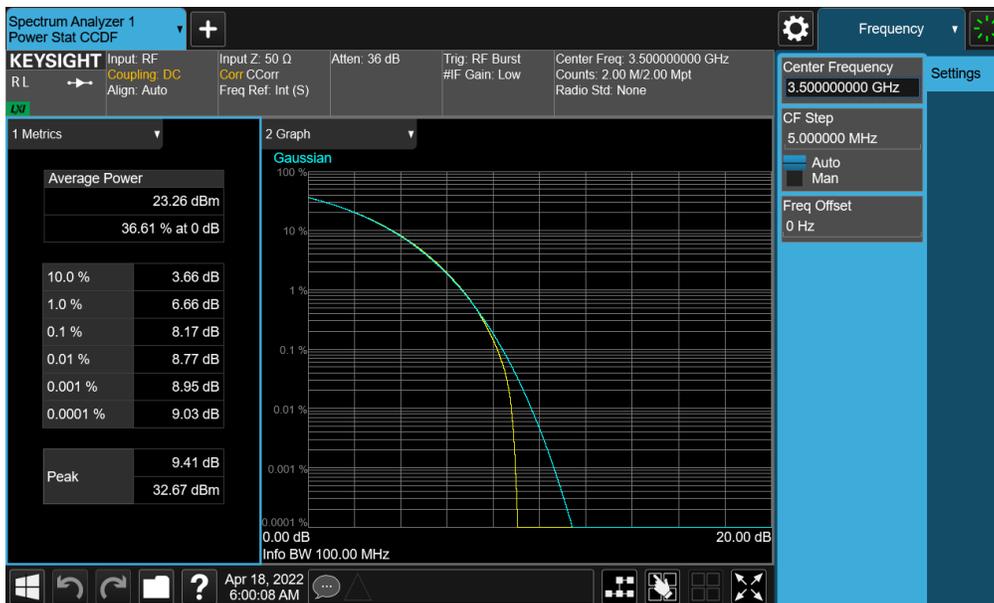
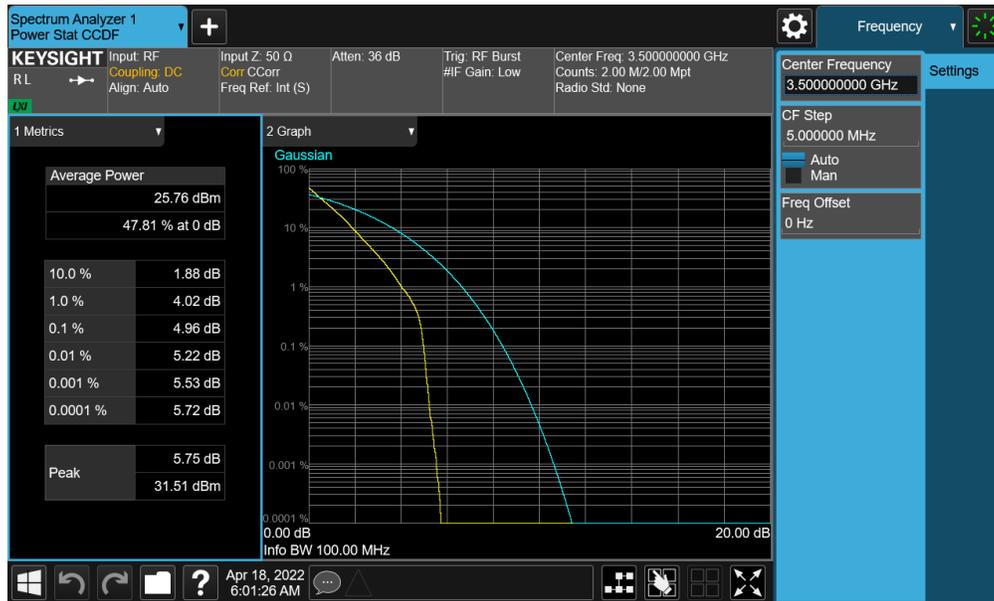
Test Notes

None.

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V3.0 1/6/2022

NR Band n77 (PC2) – DoD-Band – SRS-1 – Antenna F



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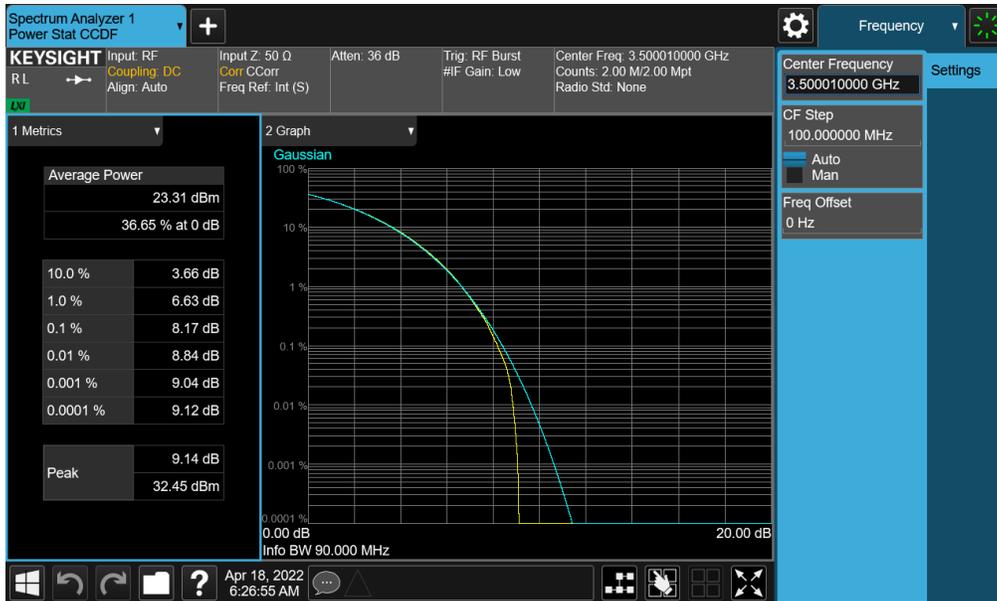


Plot 7-290. PAR Plot (NR Band n77 (DoD) - 100MHz 256-QAM - Full RB - Antenna F)



Plot 7-291. PAR Plot (NR Band n77 (DoD) - 90MHz $\pi/2$ BPSK - Full RB - Antenna F)

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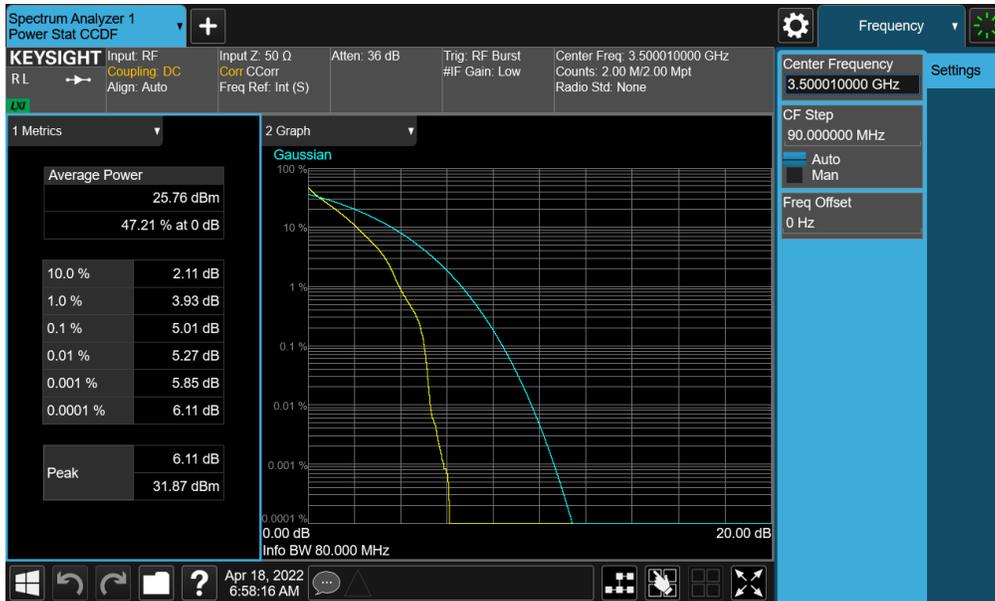


Plot 7-292. PAR Plot (NR Band n77 (DoD) - 90MHz QPSK - Full RB - Antenna F)



Plot 7-293. PAR Plot (NR Band n77 (DoD) - 90MHz 256-QAM - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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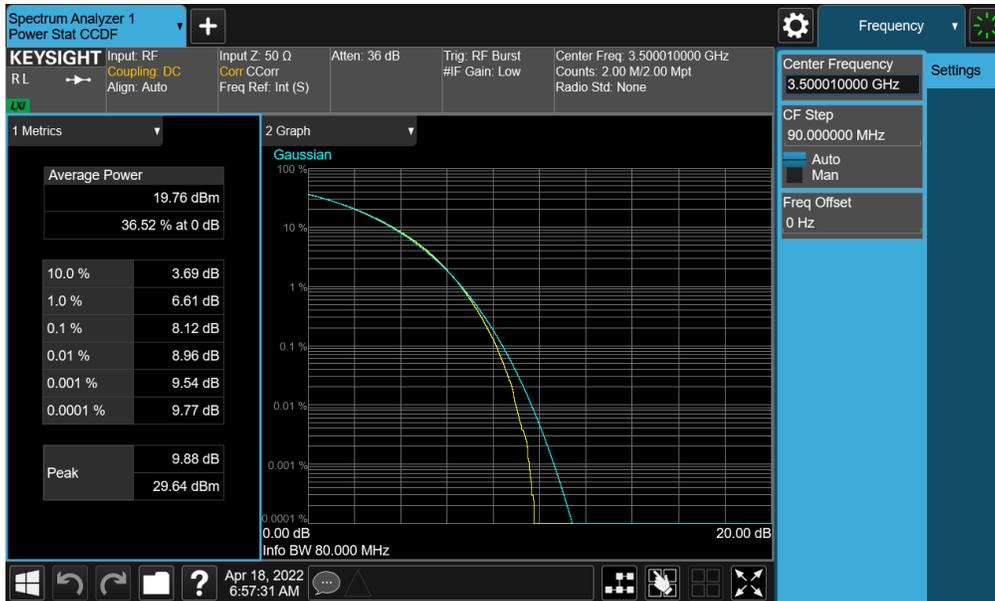


Plot 7-294. PAR Plot (NR Band n77 (DoD) - 80MHz $\pi/2$ BPSK - Full RB - Antenna F)

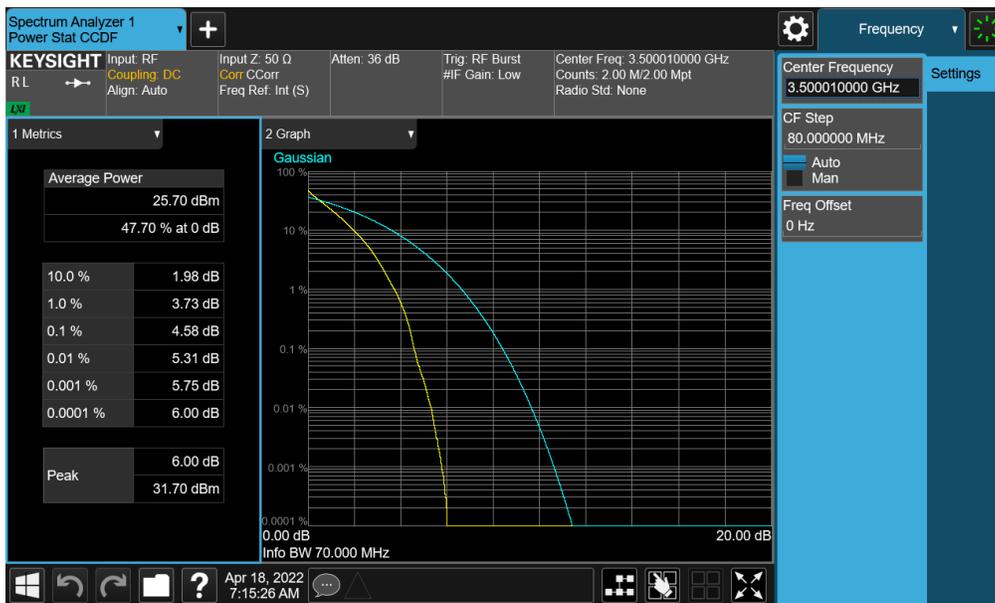


Plot 7-295. PAR Plot (NR Band n77 (DoD) - 80MHz QPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-296. PAR Plot (NR Band n77 (DoD) - 80MHz 256-QAM - Full RB - Antenna F)

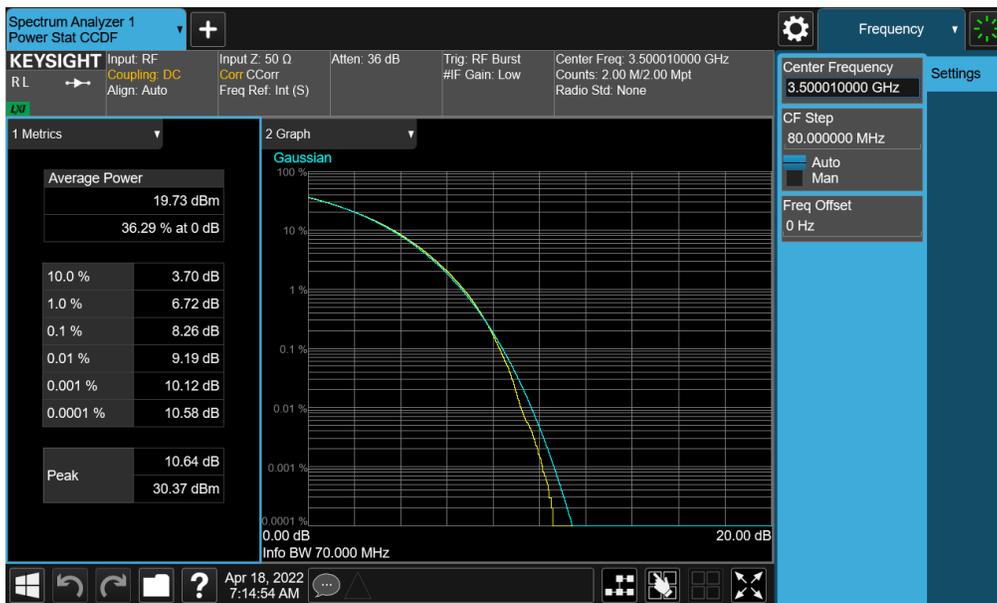


Plot 7-297. PAR Plot (NR Band n77 (DoD) - 70MHz $\pi/2$ BPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-298. PAR Plot (NR Band n77 (DoD) - 70MHz QPSK - Full RB - Antenna F)

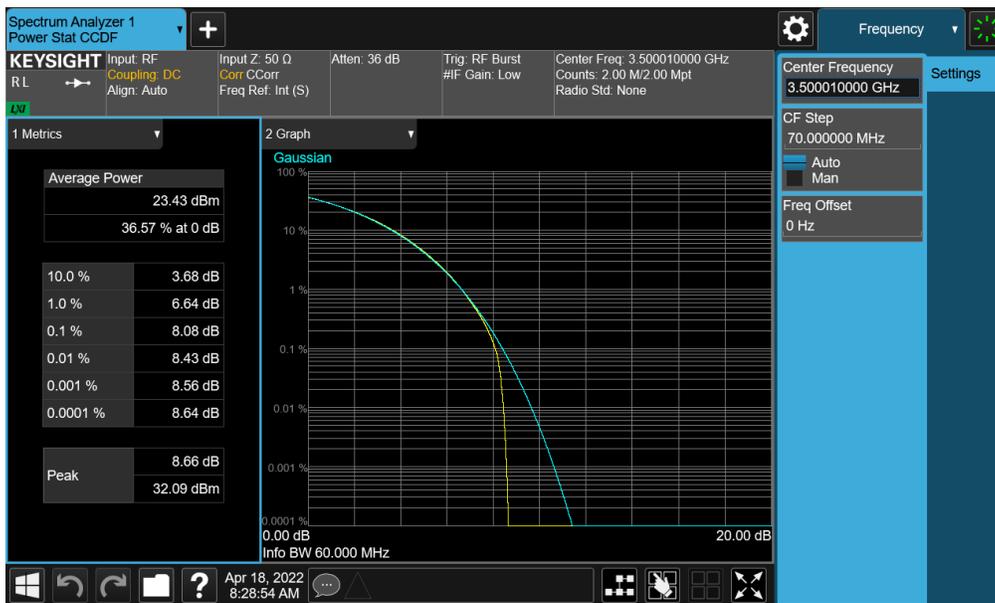


Plot 7-299. PAR Plot (NR Band n77 (DoD) - 70MHz 256-QAM - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-300. PAR Plot (NR Band n77 (DoD) - 60MHz $\pi/2$ BPSK - Full RB - Antenna F)

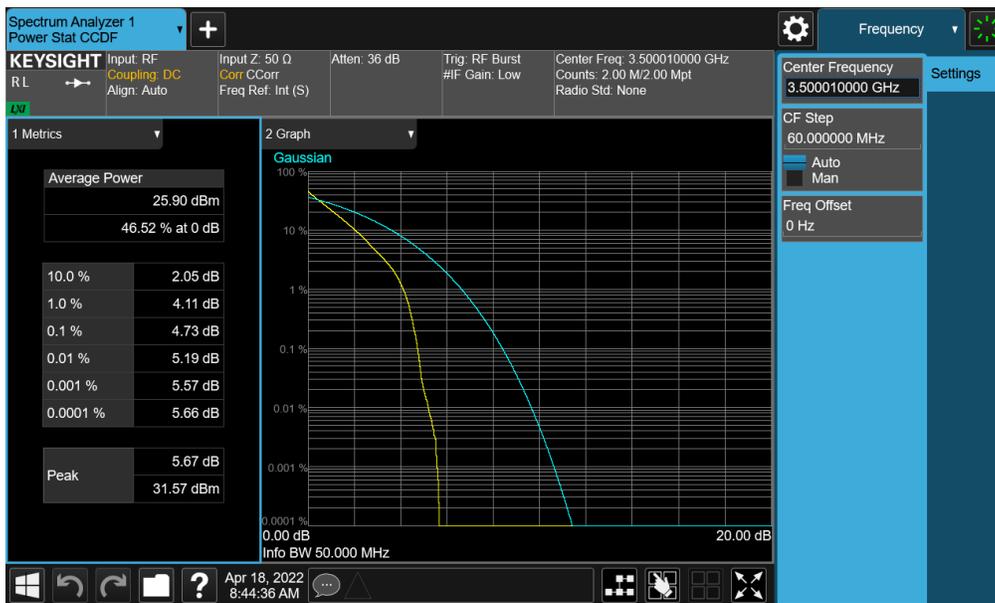


Plot 7-301. PAR Plot (NR Band n77 (DoD) - 60MHz QPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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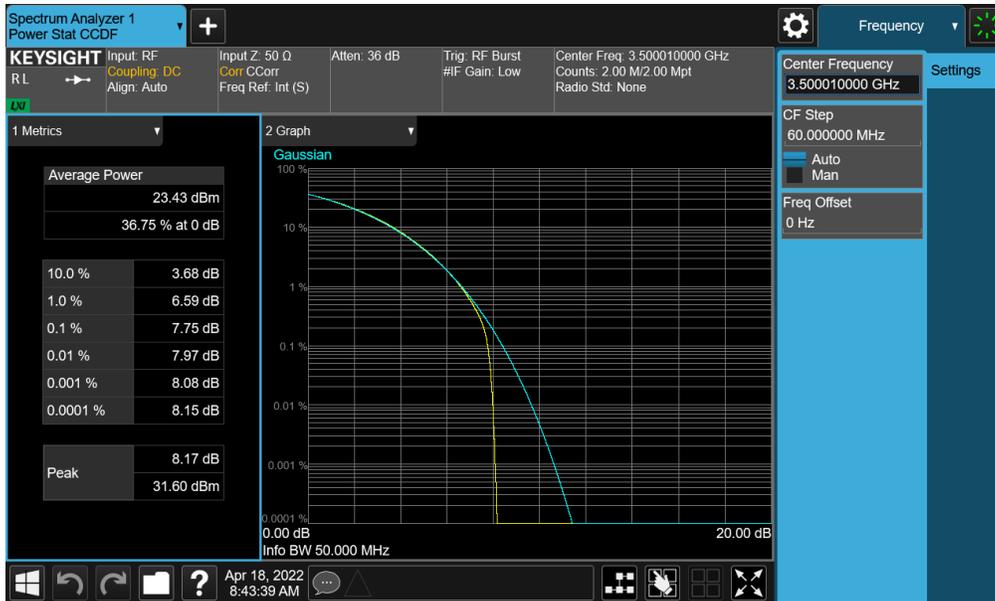


Plot 7-302. PAR Plot (NR Band n77 (DoD) - 60MHz 256-QAM - Full RB - Antenna F)

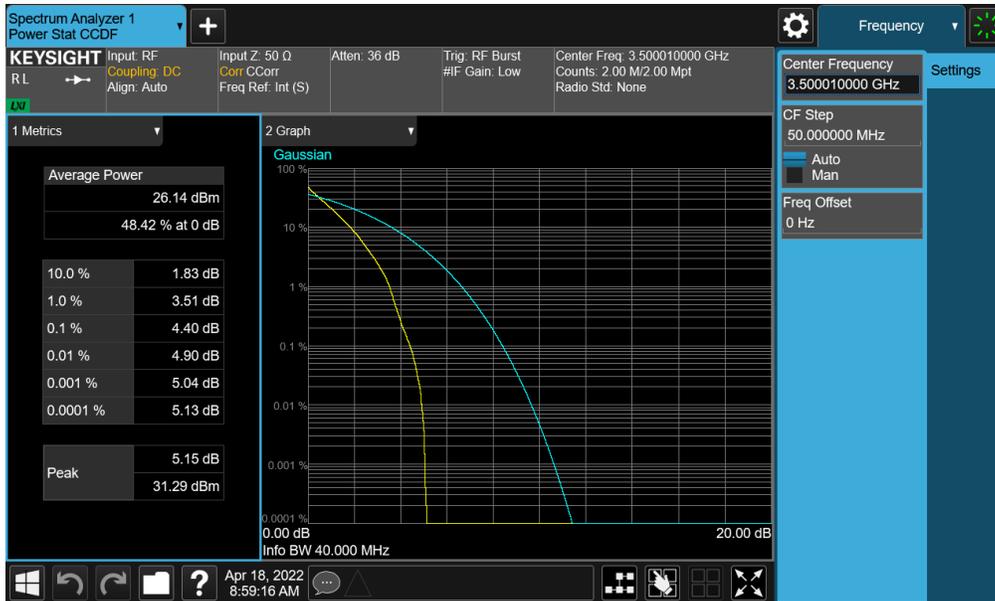


Plot 7-303. PAR Plot (NR Band n77 (DoD) - 50MHz $\pi/2$ BPSK - Full RB - Antenna F)

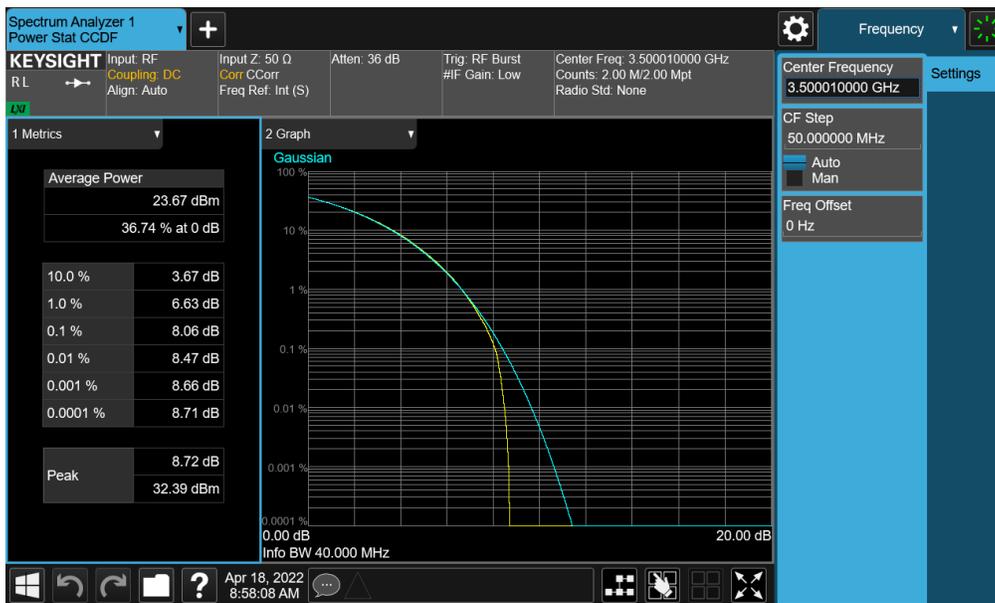
FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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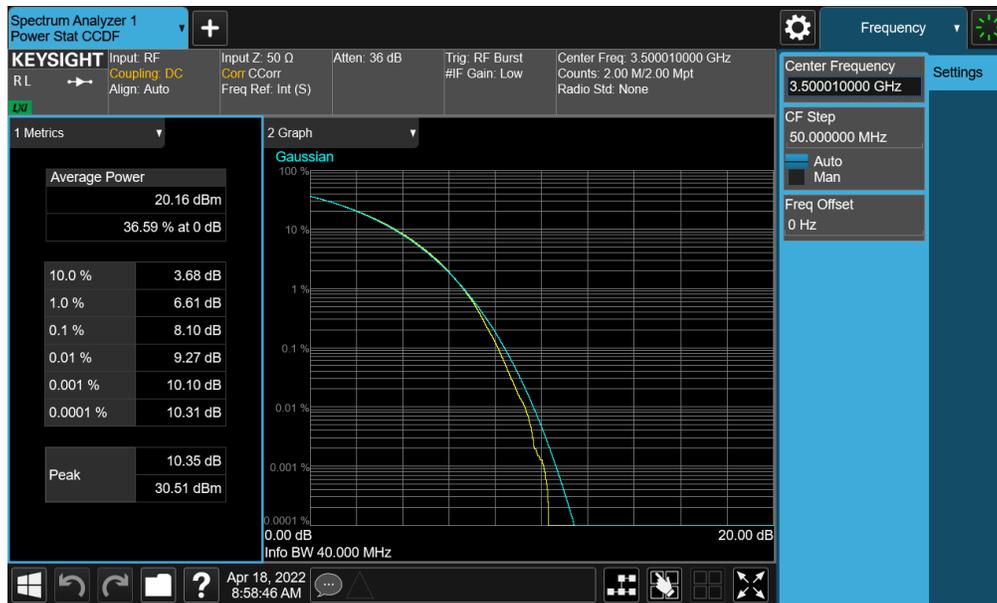


Plot 7-306. PAR Plot (NR Band n77 (DoD) - 40MHz $\pi/2$ BPSK - Full RB - Antenna F)

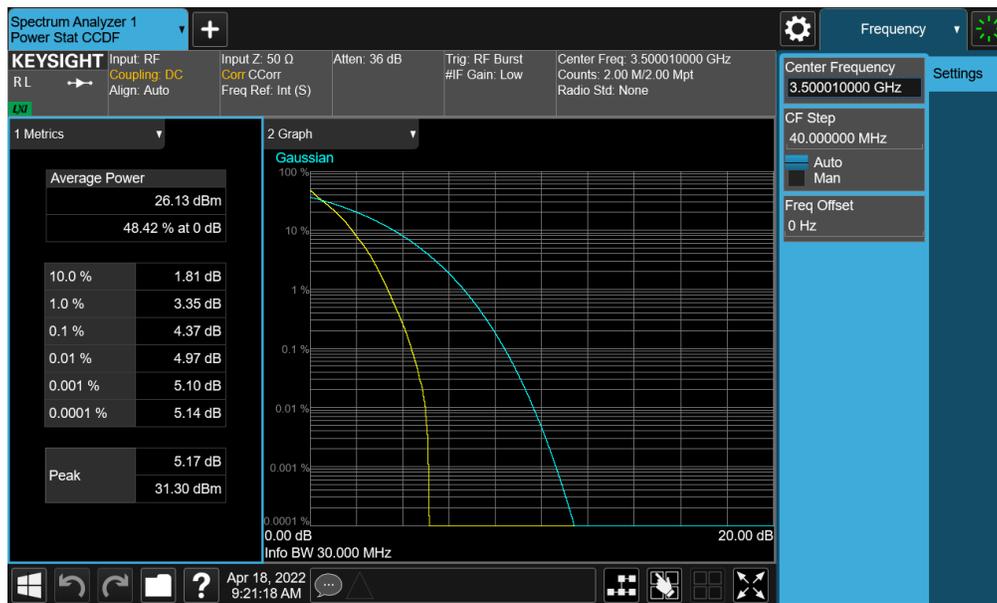


Plot 7-307. PAR Plot (NR Band n77 (DoD) - 40MHz QPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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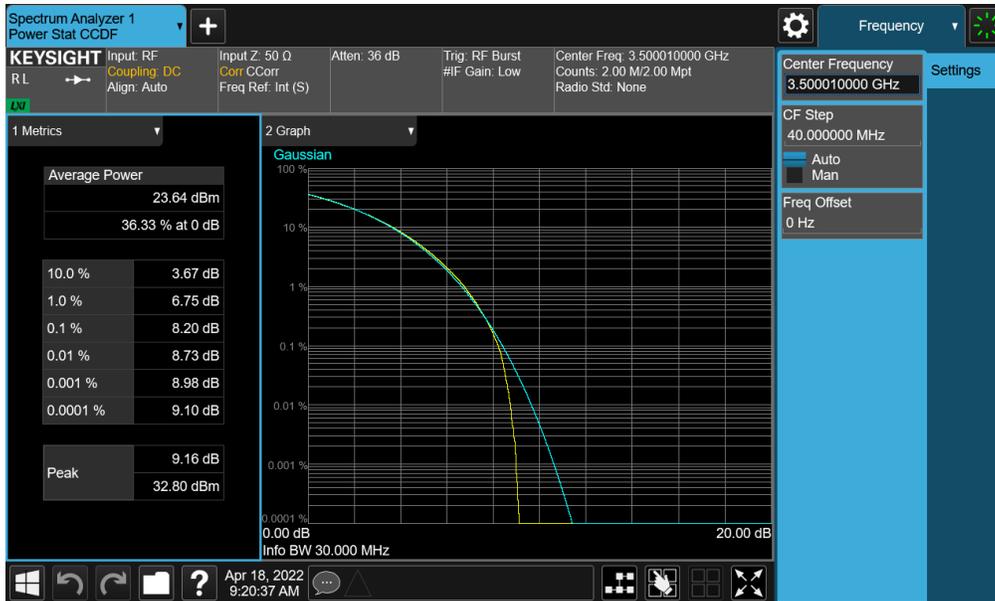


Plot 7-308. PAR Plot (NR Band n77 (DoD) - 40MHz 256-QAM - Full RB - Antenna F)



Plot 7-309. PAR Plot (NR Band n77 (DoD) - 30MHz $\pi/2$ BPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-310. PAR Plot (NR Band n77 (DoD) - 30MHz QPSK - Full RB - Antenna F)

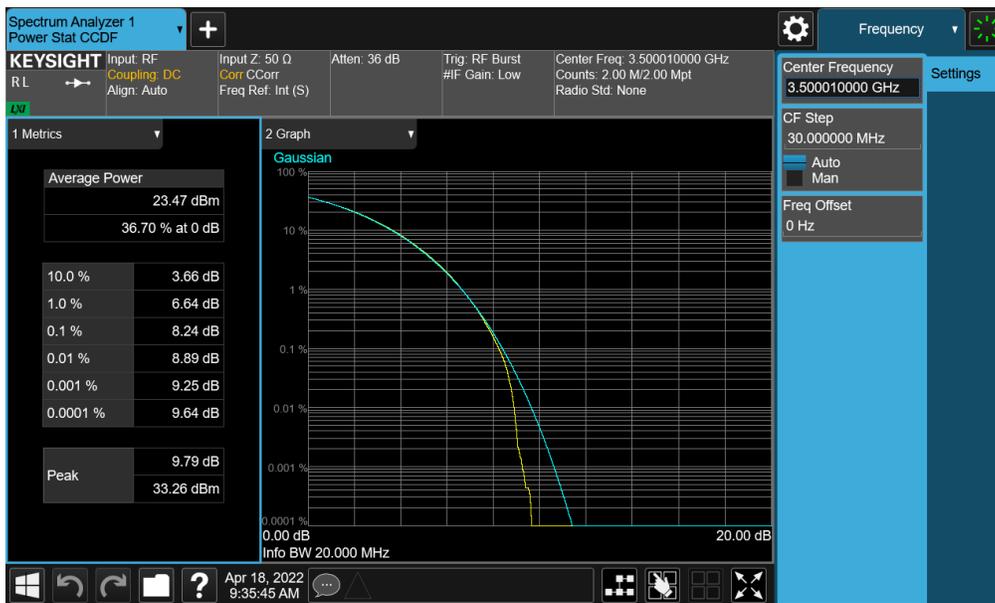


Plot 7-311. PAR Plot (NR Band n77 (DoD) - 30MHz 256-QAM - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-312. PAR Plot (NR Band n77 (DoD) - 20MHz $\pi/2$ BPSK - Full RB - Antenna F)

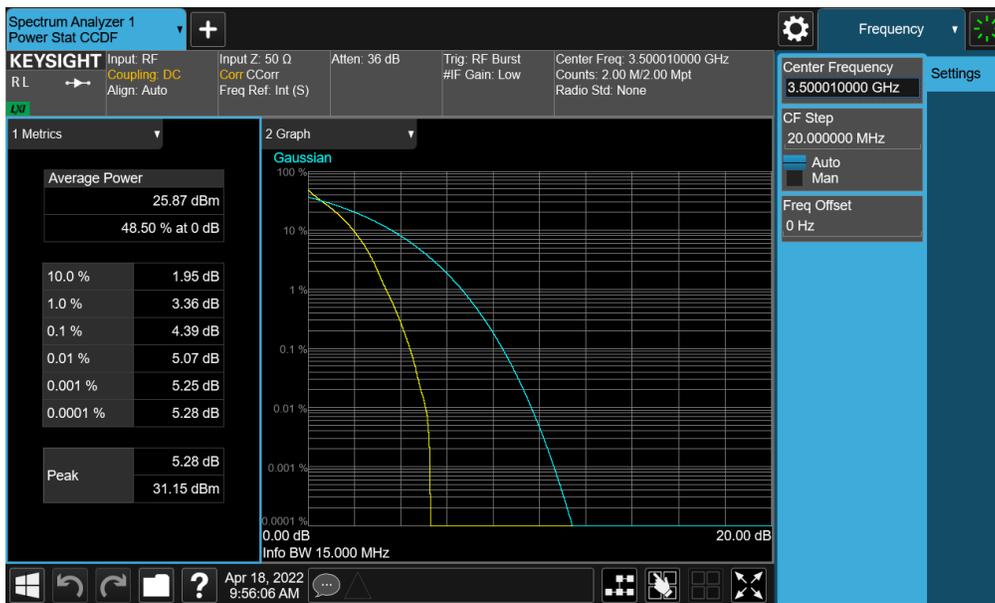


Plot 7-313. PAR Plot (NR Band n77 (DoD) - 20MHz QPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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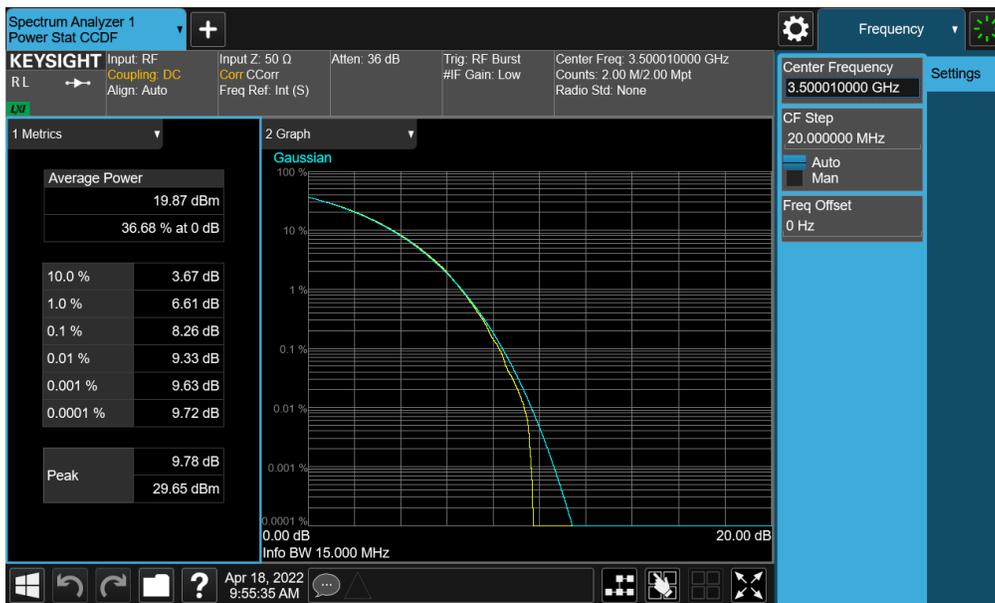


Plot 7-314. PAR Plot (NR Band n77 (DoD) - 20MHz 256-QAM - Full RB - Antenna F)

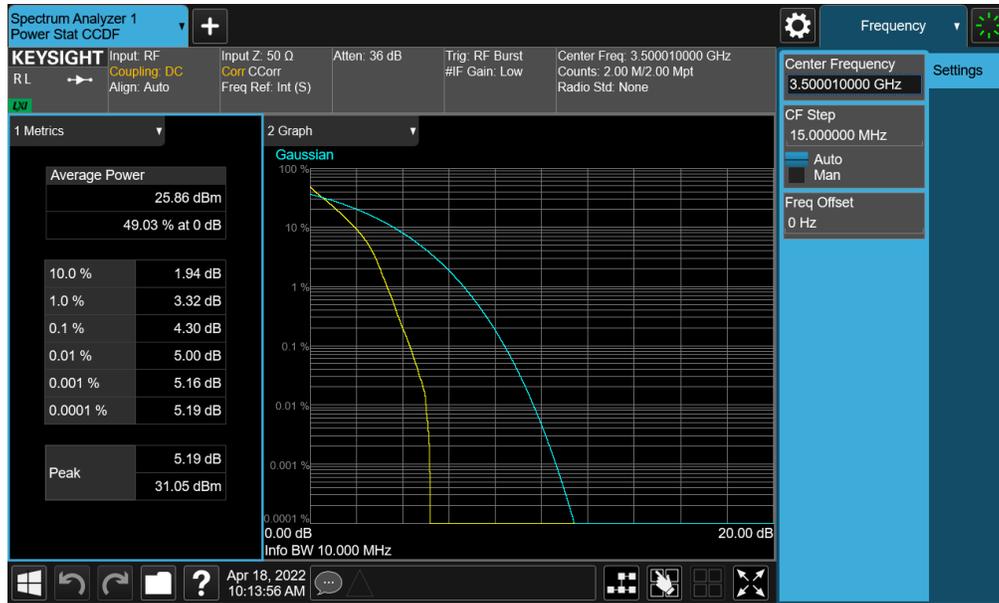


Plot 7-315. PAR Plot (NR Band n77 (DoD) - 15MHz $\pi/2$ BPSK - Full RB - Antenna F)

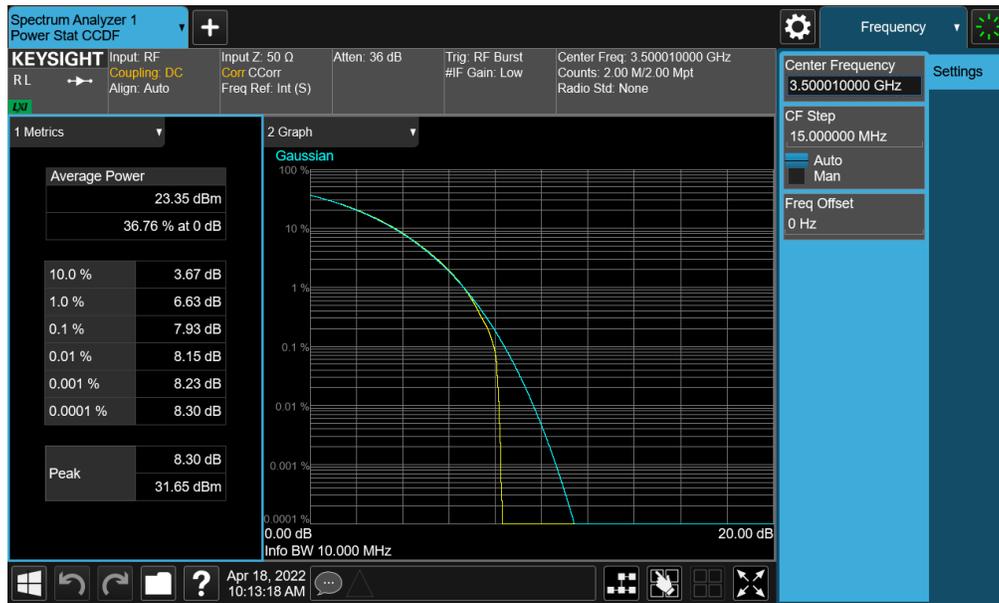
FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-318. PAR Plot (NR Band n77 (DoD) - 10MHz $\pi/2$ BPSK - Full RB - Antenna F)



Plot 7-319. PAR Plot (NR Band n77 (DoD) - 10MHz QPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-320. PAR Plot (NR Band n77 (DoD) - 10MHz 256-QAM - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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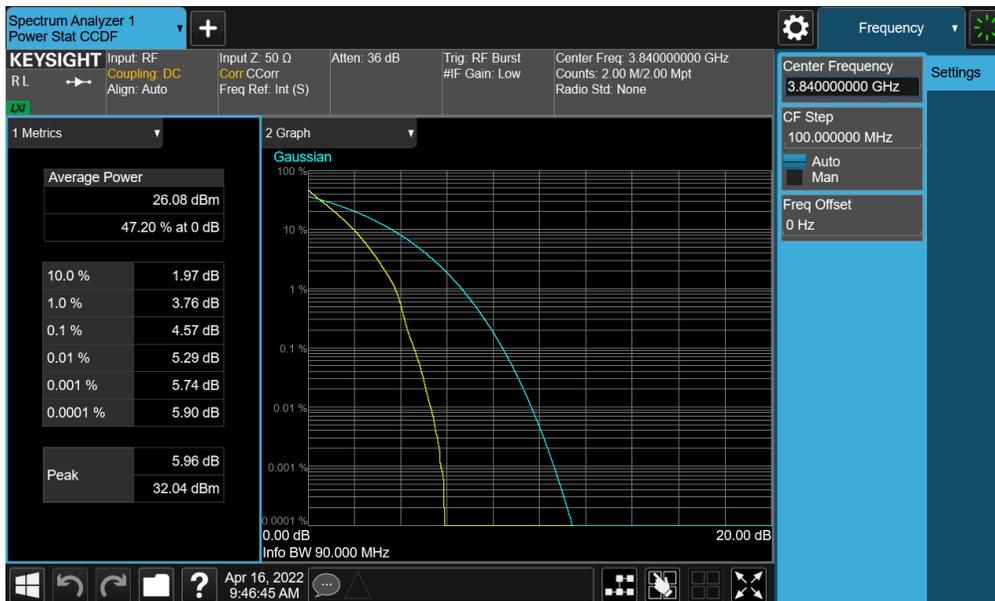
NR Band n77 (PC2) – C-Band – SRS-1 – Antenna F



FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-323. PAR Plot (NR Band n77 (C-Band) - 100MHz 256-QAM - Full RB - Antenna F)

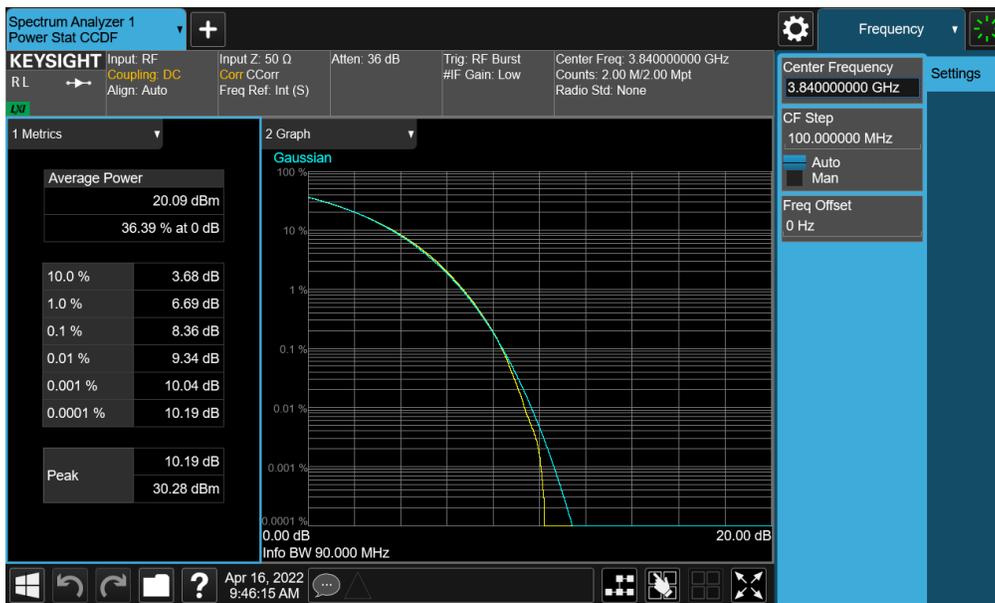


Plot 7-324. PAR Plot (NR Band n77 (C-Band) - 90MHz $\pi/2$ BPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-325. PAR Plot (NR Band n77 (C-Band) - 90MHz QPSK - Full RB - Antenna F)

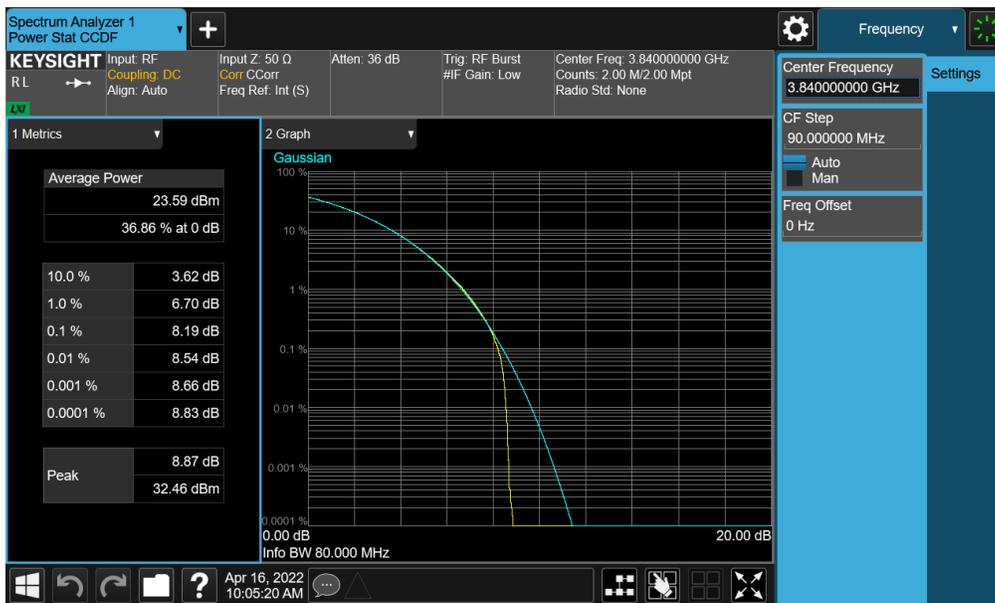


Plot 7-326. PAR Plot (NR Band n77 (C-Band) - 90MHz 256-QAM - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-327. PAR Plot (NR Band n77 (C-Band) - 80MHz $\pi/2$ BPSK - Full RB - Antenna F)

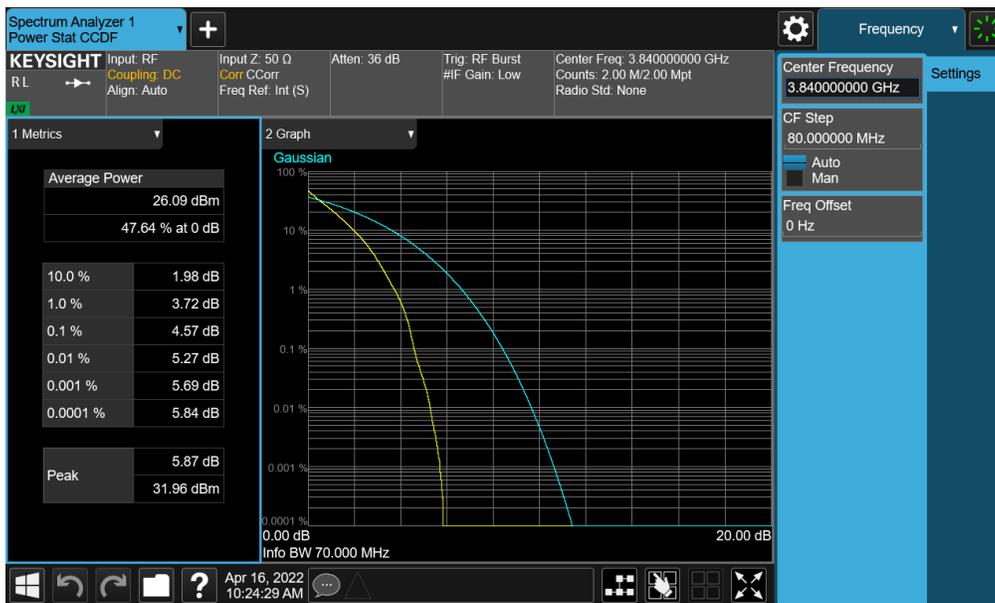


Plot 7-328. PAR Plot (NR Band n77 (C-Band) - 80MHz QPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-329. PAR Plot (NR Band n77 (C-Band) - 80MHz 256-QAM - Full RB - Antenna F)

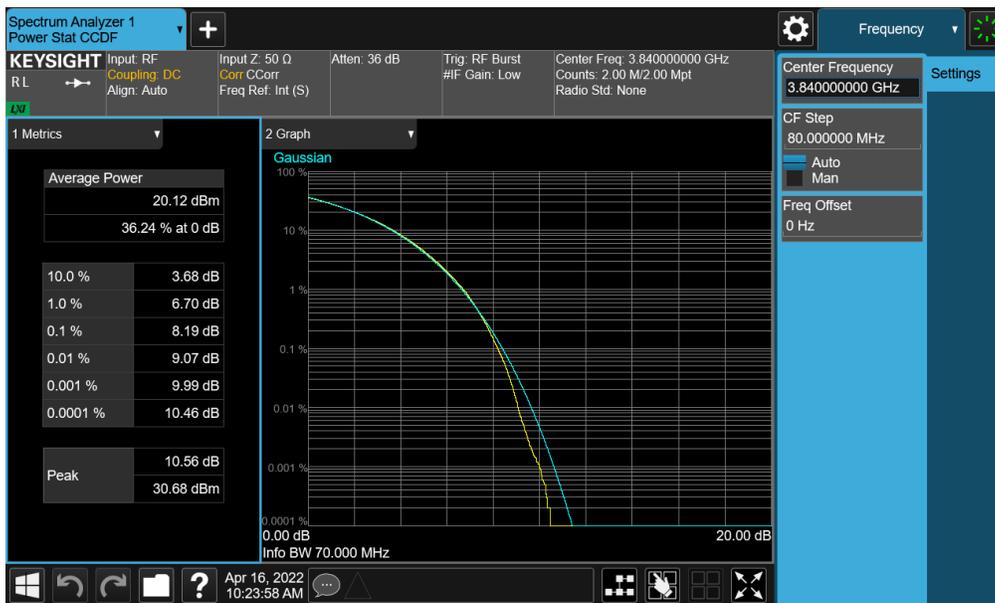


Plot 7-330. PAR Plot (NR Band n77 (C-Band) - 70MHz π/2 BPSK - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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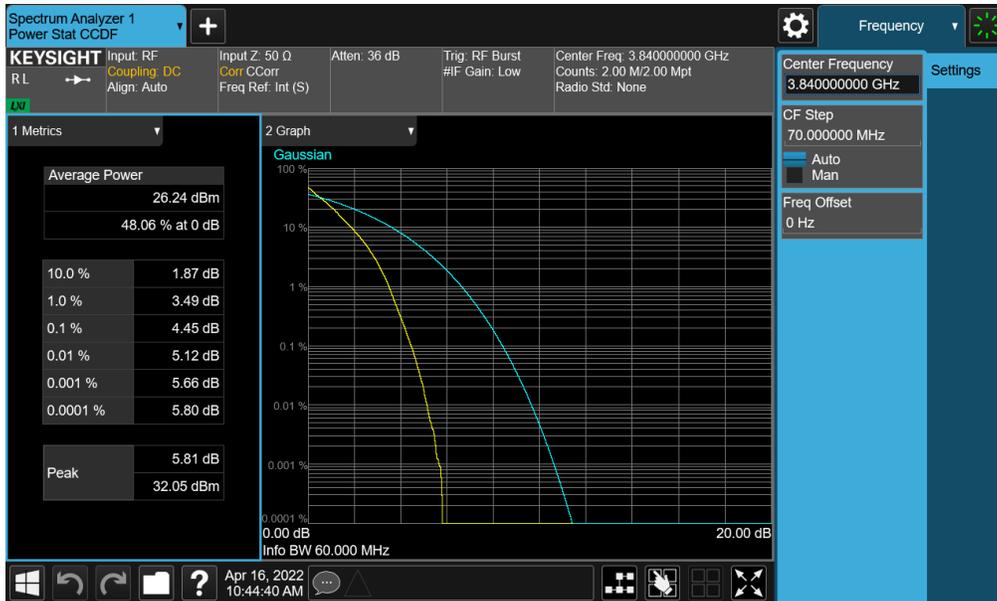


Plot 7-331. PAR Plot (NR Band n77 (C-Band) - 70MHz QPSK - Full RB - Antenna F)

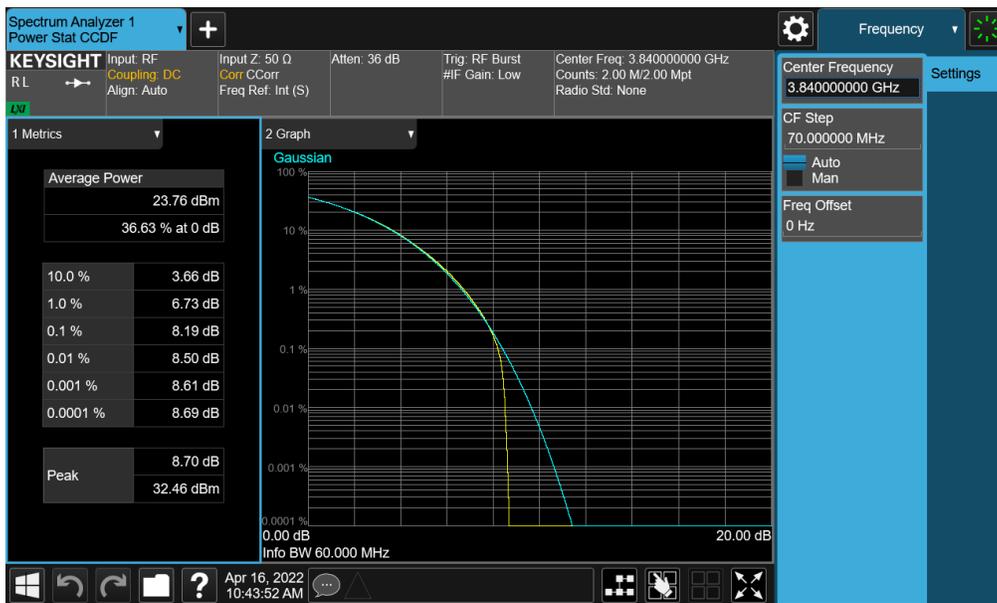


Plot 7-332. PAR Plot (NR Band n77 (C-Band) - 70MHz 256-QAM - Full RB - Antenna F)

FCC ID: A3LSMF936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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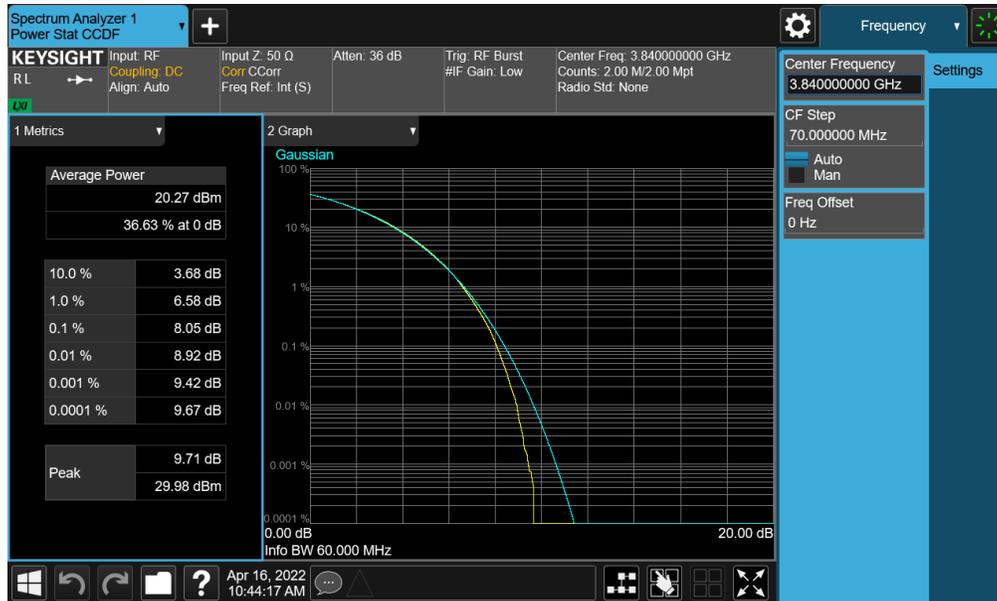


Plot 7-333. PAR Plot (NR Band n77 (C-Band) - 60MHz $\pi/2$ BPSK - Full RB - Antenna F)

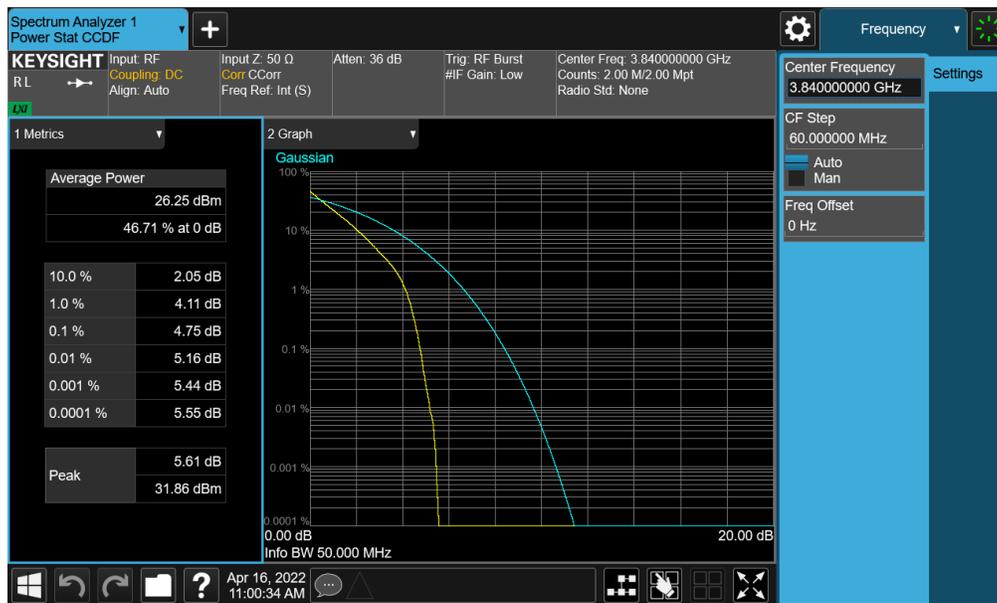


Plot 7-334. PAR Plot (NR Band n77 (C-Band) - 60MHz QPSK - Full RB - Antenna F)

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Plot 7-335. PAR Plot (NR Band n77 (C-Band) - 60MHz 256-QAM - Full RB - Antenna F)

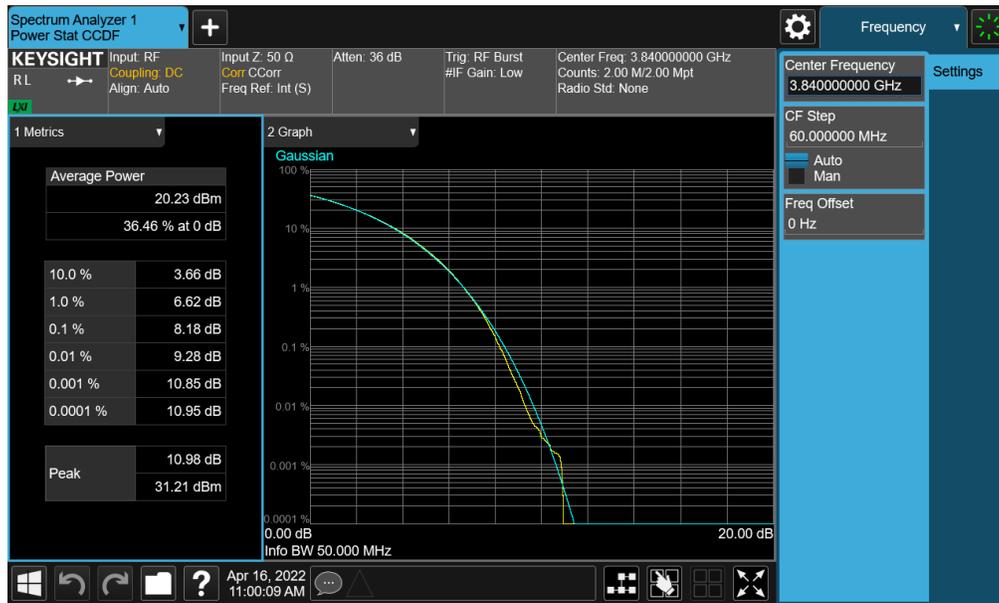


Plot 7-336. PAR Plot (NR Band n77 (C-Band) - 50MHz $\pi/2$ BPSK - Full RB - Antenna F)

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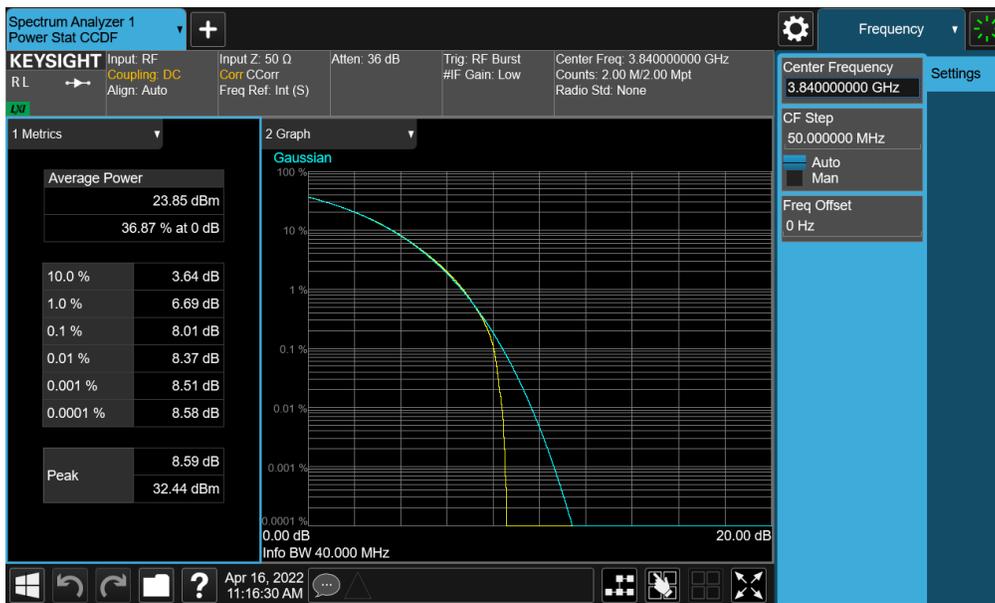


Plot 7-337. PAR Plot (NR Band n77 (C-Band) - 50MHz QPSK - Full RB - Antenna F)

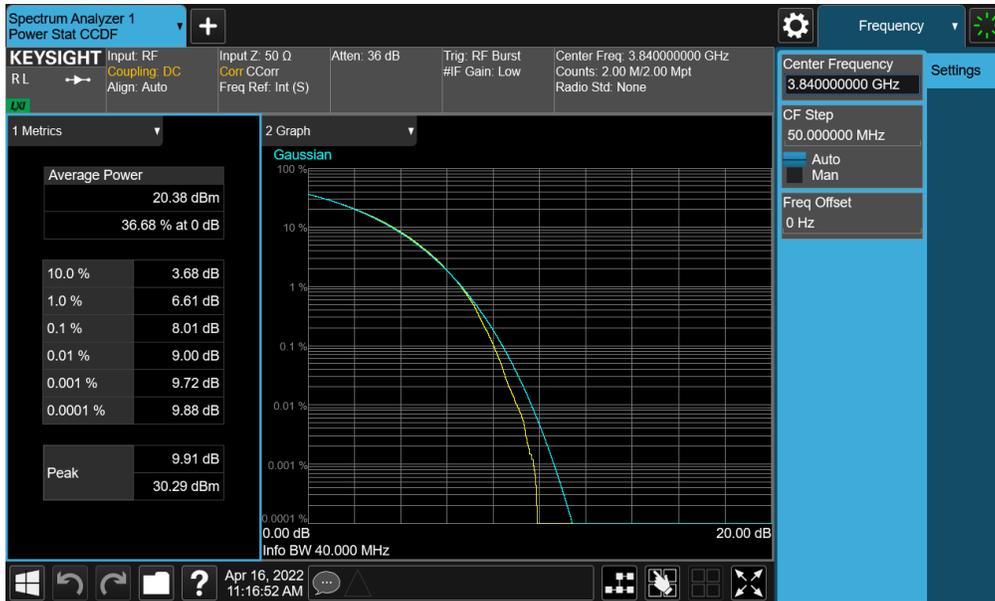


Plot 7-338. PAR Plot (NR Band n77 (C-Band) - 50MHz 256-QAM - Full RB - Antenna F)

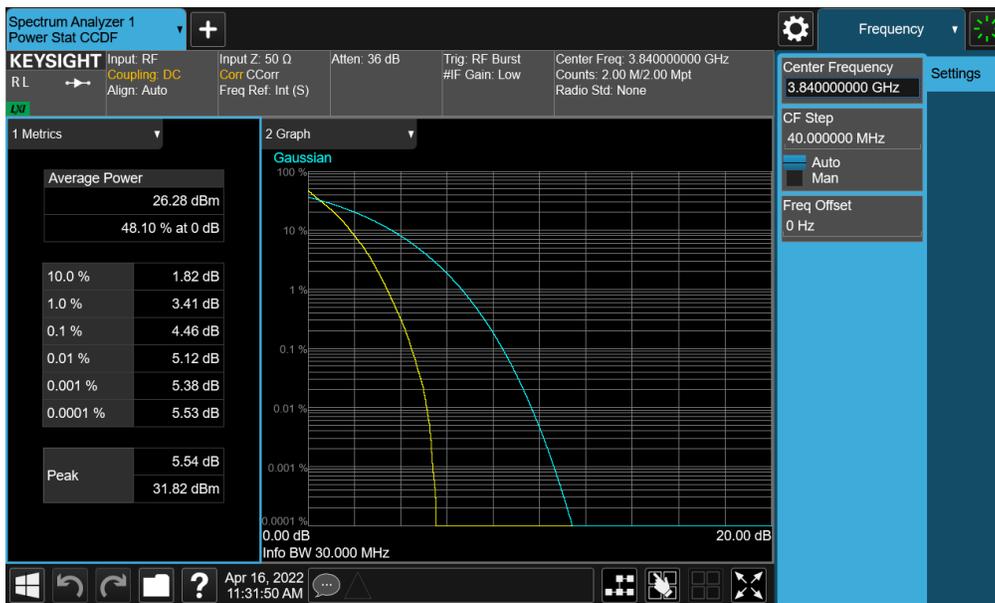
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Plot 7-341. PAR Plot (NR Band n77 (C-Band) - 40MHz 256-QAM - Full RB - Antenna F)



Plot 7-342. PAR Plot (NR Band n77 (C-Band) - 30MHz $\pi/2$ BPSK - Full RB - Antenna F)

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