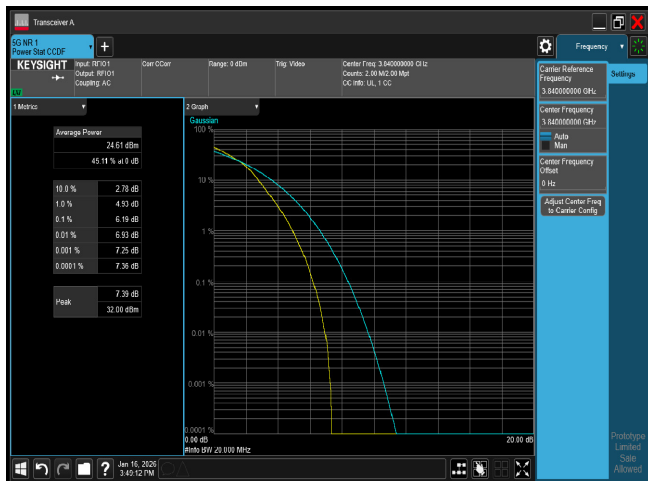
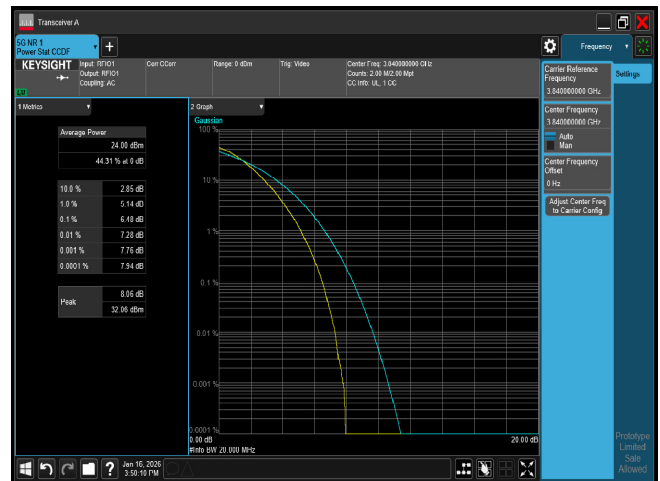
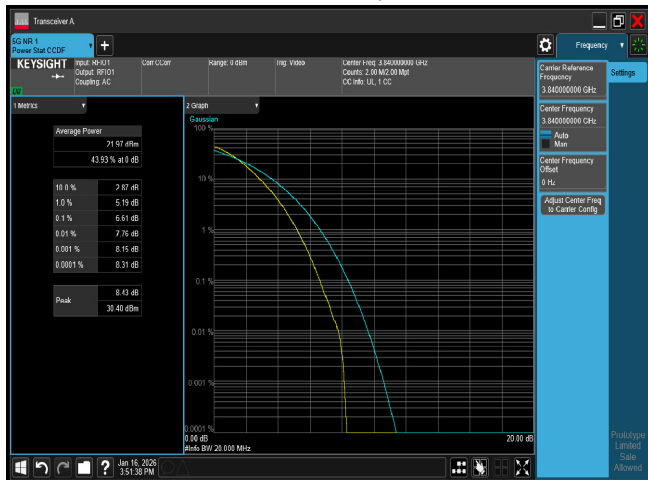




PTAR B77 20M CH656000 16QAM



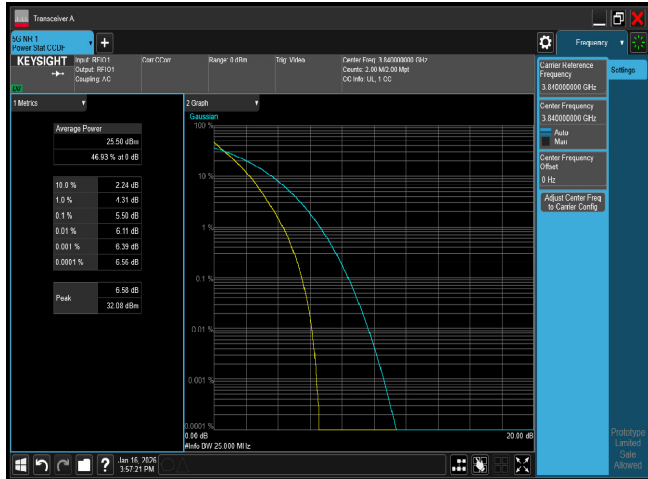
PTAR B77 20M CH656000 64QAM



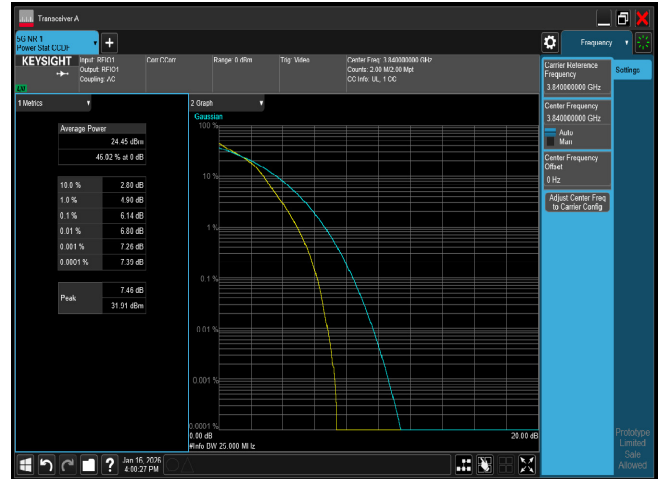
PTAR B77 20M CH656000 256QAM



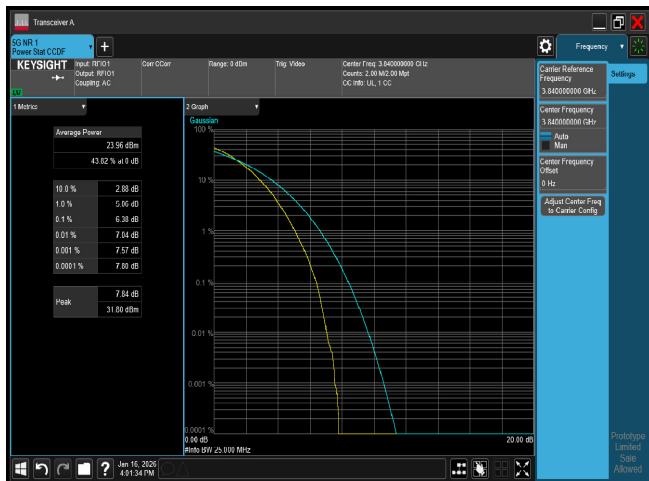
PTAR B77 25M CH656000 BPSK



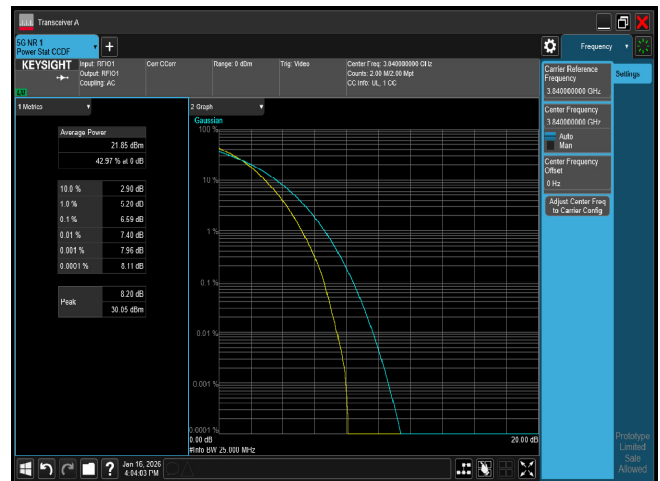
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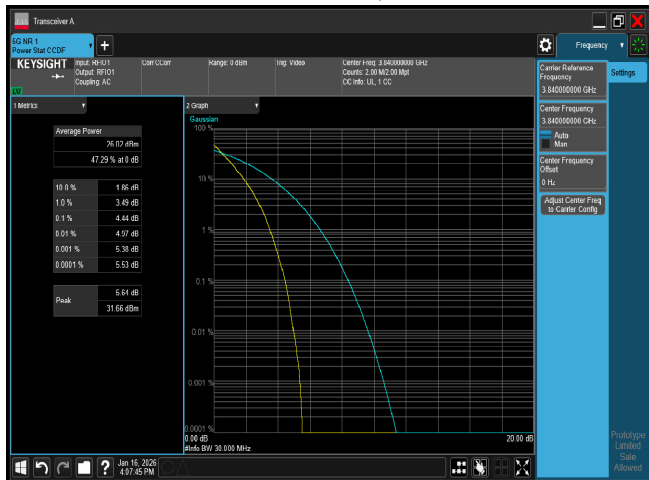
PTAR B77 25M CH656000 16QAM



PTAR B77 25M CH656000 64QAM



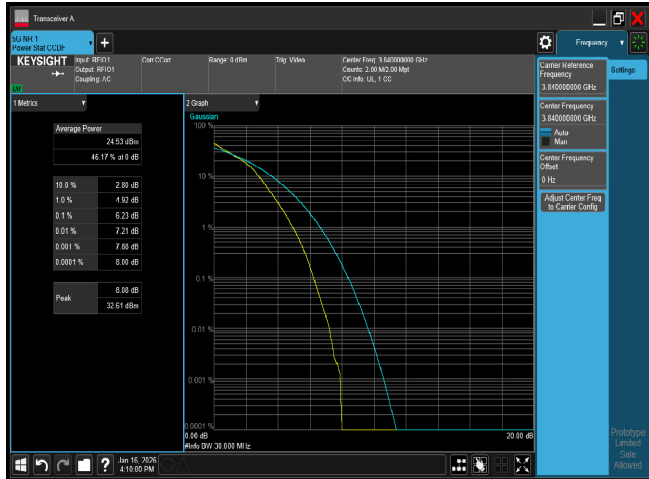
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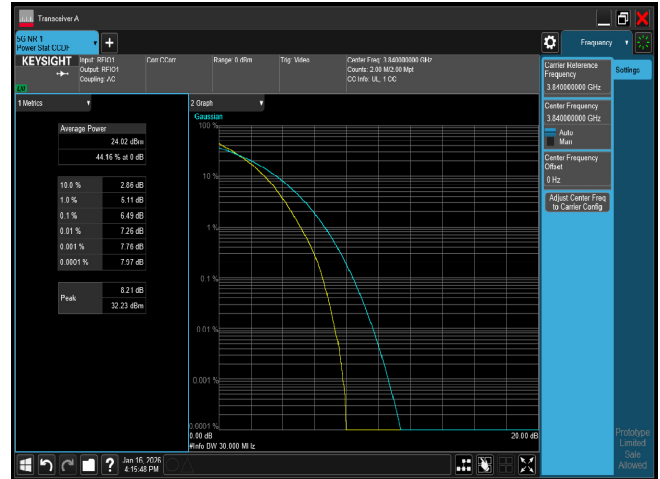
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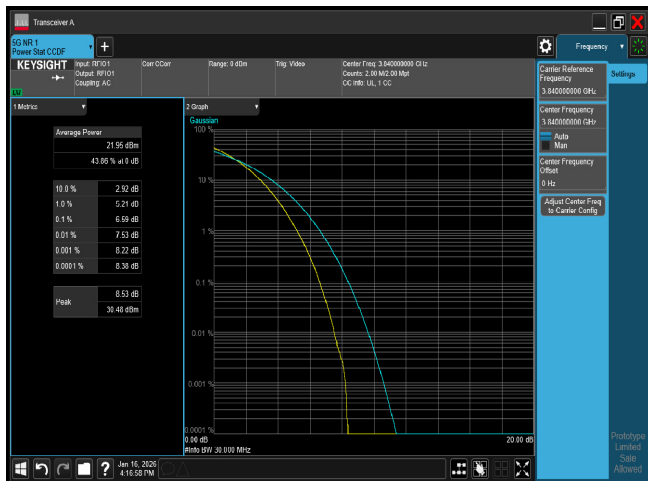
PTAR B77 30M CH656000 QPSK



PTAR B77 30M CH656000 16QAM



PTAR B77 30M CH656000 64QAM

[illegible]

Keysight VectorStar A

OS NR 1
Power Star OSCF

KEYSIGHT 7044-10-11
Output RF01
Coupling AG

User User Range: 0.0m Imp: 1000 Center Freq: 3.940000000 GHz
Counts: 2.00 Mhz/50 Msp
OC: Hz UL: 1 CC

Interz **Z Graph**

Average Power
70.56 dBm
47.53 dB at 0 dB

18.8 dB 7.71 dB
1.0 dB 4.33 dB
0.1 dB 5.51 dB
0.01 dB 6.25 dB
0.001 dB 6.68 dB
0.0001 dB 6.82 dB

Peak
6.92 dB
32.51 dBm

Gaussian
0.0001 Hz 100.00 dBm/Hz
0.06 dB
20.00 GHz
Auto BW: 0.0100 MHz

Center Reference Frequency
3.940000000 GHz
Auto
Main
Center Frequency Offset
0 Hz
Adjust Center Freq to Center Config

Prototype Limited Sale Allow

The screenshot displays the Keysight PowerStar 2000S software interface. The top status bar shows 'SG NR 1' and 'PowerStar 2000S'. The main display area is divided into several sections:

- Top Left:** 'KEYSIGHT' logo and a 'PowerStar 2000S' label.
- Top Center:** 'Port Utilizer', 'Range: 1 dBm', 'Imp. Video', 'Center Freq: 3.64000000 GHz', 'Count: 2.00 M2.00 Mpt', and 'CO Hfo: UL 1 CC'.
- Top Right:** 'Frequency' dropdown menu and a 'Settings' button.
- Left Panel:** '1 Metrics' section showing 'Average Power: 34.51 dBm' and '45.69 % at 0 dB'. Below this is a table of power levels at different offsets:

Offset	Power Level
10.0 %	7.78 dB
1.0 %	4.95 dB
0.1 %	6.22 dB
0.01 %	7.60 dB
0.001 %	7.48 dB
0.0001 %	7.72 dB

 Below the table is a 'Peak' section showing '7.90 dB' and '32.41 dBm'.
- Center Plot:** A 'Gaussian' power spectrum plot showing power density (dBm/Hz) versus frequency (MHz). The y-axis ranges from 0.0001 % to 100 % on a logarithmic scale. The x-axis ranges from 20.00 dB to 20.00 dB. Two curves are shown: a red curve (Gaussian) and a blue curve (Gaussian). The red curve is centered at 3.64 GHz and has a peak power of approximately 34.5 dBm. The blue curve is centered at 3.64 GHz and has a peak power of approximately 32.4 dBm.
- Right Panel:** 'Center Reference Frequency: 3.640000000 GHz', 'Auto Man', 'Center Frequency Offset: 0 Hz', and 'Adjust Center Freq. to Carrier Config'.
- Bottom Right:** 'Prototypes Limited Sale Allowed'.
- Bottom Status Bar:** 'Jan 16, 2026 4:26:32 PM' and a Windows taskbar.

[illegible]

Keysight PowerStar 6832A

Input: BNC1 Output: RF OUT Coupling: AC

Center Freq: 3.84000000 GHz Count: 2.00 M2.00 Mpt CO-HW: UK 1 CG

1 Metrics

2 Graph

Graph Title: Gaussian

Y-axis: Average Power (dBm)

X-axis: Frequency (MHz)

Plot Data:

Power (dBm)	Frequency (MHz)
10.0 %	2.87 dB
1.0 %	5.16 dB
0.1 %	6.54 dB
0.01 %	7.32 dB
0.001 %	7.89 dB
0.0001 %	8.12 dB

Peak: 0.27 dB, 30.15 dBm

Right Panel Settings:

- Current Reference Frequency: 3.84000000 GHz
- Center Frequency: 3.84000000 GHz
- Auto
- Max
- Center Frequency Offset: 0 Hz
- Adjust Center Freq to Center Config

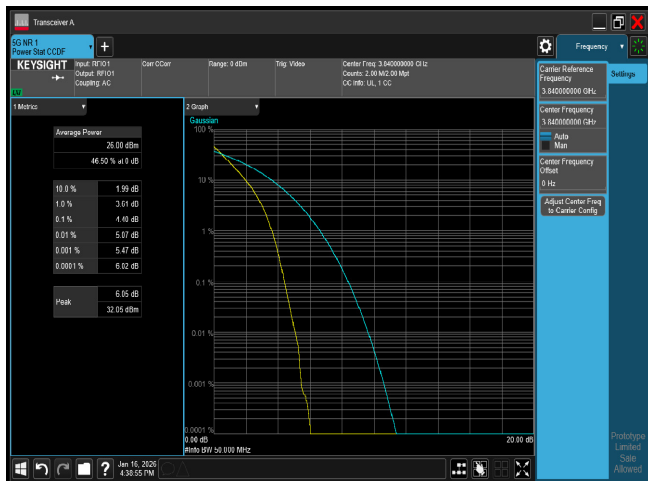
Bottom Panel:

Jan 16, 2024 3:31:05 PM

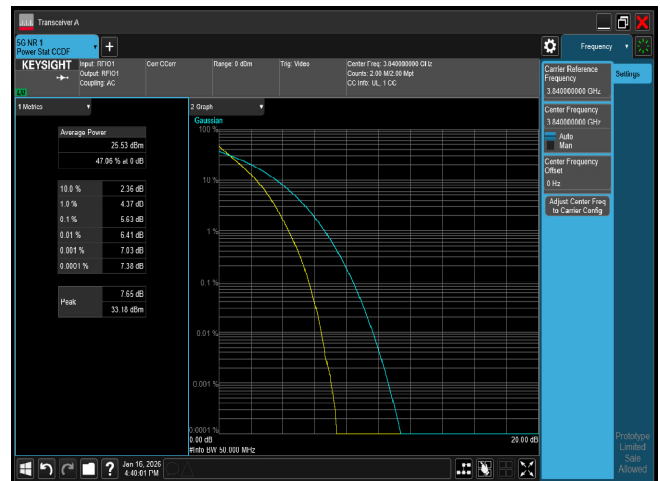
Info: DW 40.000 MHz

Bottom Right Panel:

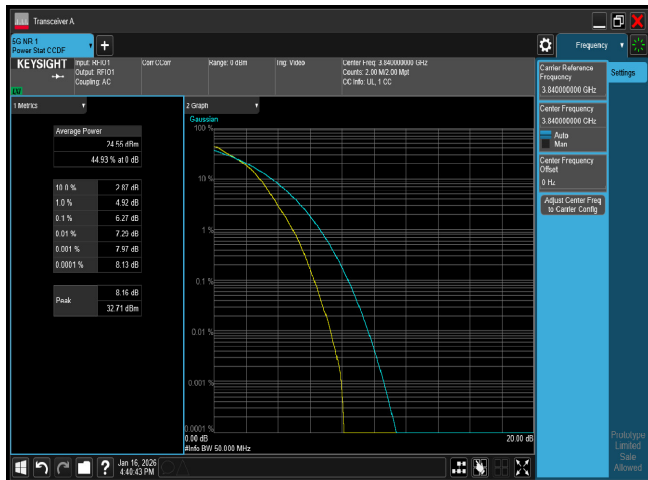
Prototypes Limited Sale Allowed



PTAR B77 50M CH656000 BPSK



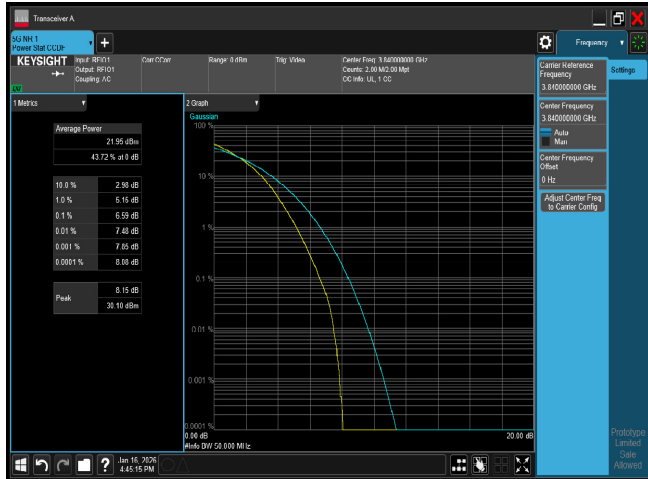
PTAR B77 50M CH656000 QPSK



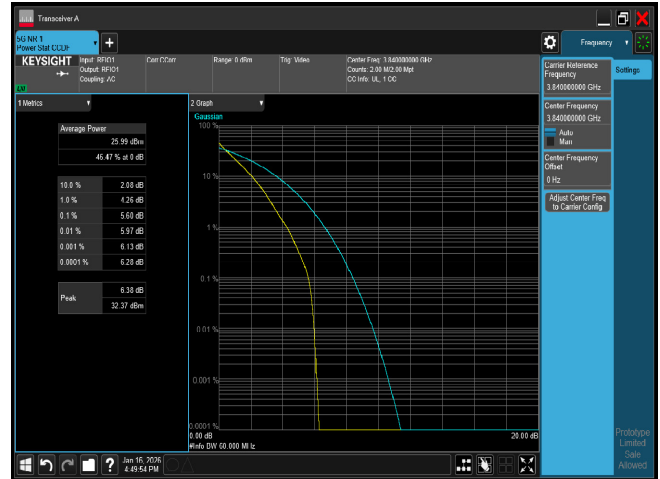
PTAR B77 50M CH656000 16QAM



PTAR B77 50M CH656000 64QAM



PTAR B77 50M CH656000 256QAM



PTAR B77 60M CH656000 BPSK