

FCM1215

2-Stage CMOS Power Amplifier

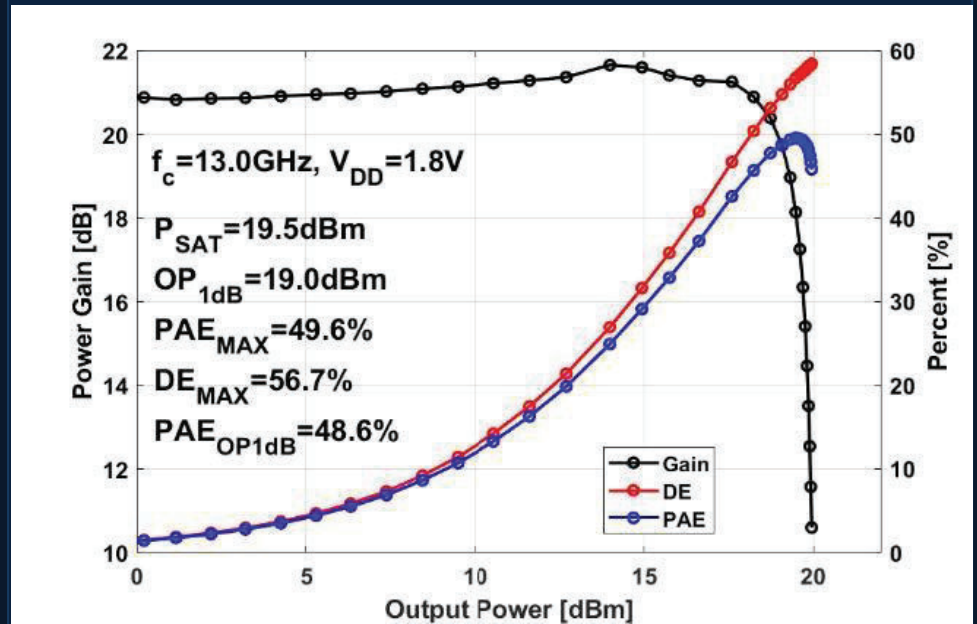
12 – 15 GHz · 20 dBm · Ku-band



FEATURES

- 2-stage PAE_{MAX} = 50%
- PA-stage DE_{MAX} = 57%
- P_{SAT} = 20 dBm
- Gain = 21 dB
- Frequency = 12-15 GHz
- Input/output internally matched
- Efficiency maintained at lower supply voltages

MEASURED DATA



Falcomm's ultra-efficient FGN1215 technology is ideal for use in Ku-band applications such as satellite communications.

APPLICATIONS

- Satellite Communications
- Point-to-Point Radio
- VSAT Systems
- Defense & Radar Systems

GaN & CMOS · 4 – 44 GHz

AVAILABLE NOW

FGN1722

K-band · 17–22 GHz

36 dBm

PSAT

44%

PAE

★ FCM1215

Ku-band · 12–15 GHz

20 dBm

PSAT

50%

PAE

FCM2433

Ka-band · 24–33 GHz

19 dBm

PSAT

52%

PAE

FCM3242

Q-band · 32–42 GHz

18 dBm

PSAT

45%

PAE

COMING SOON

FGN0407

C-band · 4.4–7.2 GHz · 10/20 W · GaN

Q4 2026**FGN0711**

X-band · 7–11 GHz · 10/20 W · GaN

Q1 2027**FGN1013**

X/Ku-band · 10–13 GHz · GaN

Q3 2027**FGN1215**

Ku-band · 12–15 GHz · GaN

Q3 2027**FGN2731**

Ka-band · 27.5–31 GHz · GaN

Q4 2027