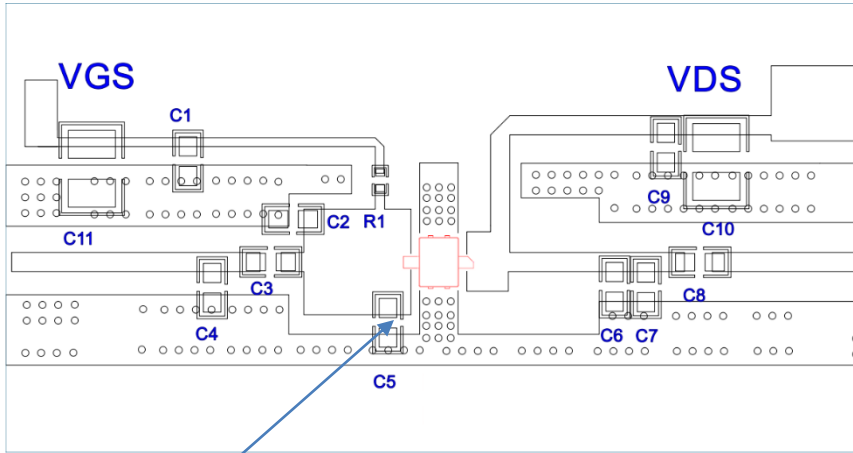


MDAS

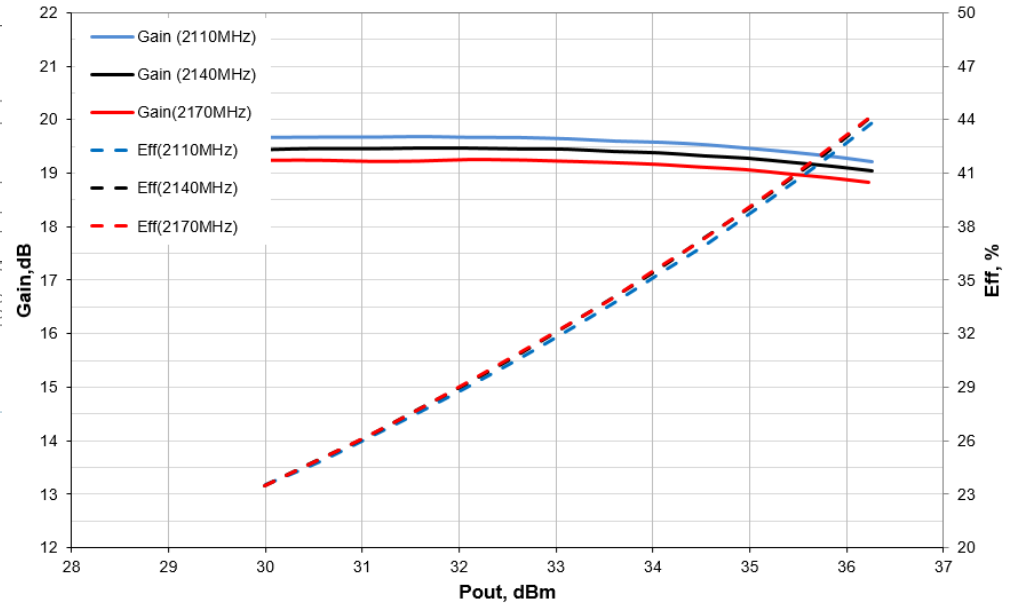
	Frequency	P3dB(W)	Linear Pout (W)
GTAH38020M2	1800-2200MHz	20	1.5
	869-960MHz	20	1.5
NG3012	850-2700MHz	>100	TBD
ITCH24025E2	869-894MHz	45	2-3
	925-960MHz	45	2-3
	1805-1880MHz	50	2-3
	2110-2170MHz	50	2-3

- Recent trend shows more power needed for MDAS
- 24dBm/27dBm upgraded to 1-2W generally asked
- For simplicity, Class AB without DPD preferred
- General purpose wanted for high reusability
- Potential Multi-Bands MDAS system being considered
- Could be purely back off or work with APD/DPD



Small design

WCDMA, 1cTM1D64, 100% clipping, PAR=10.5dB Main Channel Bandwidth: 3840 kHz;



Vds=28V Idq=10mA Vgs=-3.4V						
Freq(MHz)	CW pulse test Average power			IS95/WCDMA test Average power 35 dBm		
	P-1(dBm)	P-3(dBm)	Eff(%)	P-3 (dBm) CCDF	Gain	Eff(%)
2110	40.3	42.8	70	42.7	19.3	40.1
2140	40.3	42.7	70	42.6	19.2	40.1
2170	39.9	42.7	70	42.6	19.0	40.5

