

BPSK \rightarrow need more BW BPSK > MSK > QPSK
 QPSK $\rightarrow \frac{1}{2}$ BPSK

2017

GMSK \rightarrow used mobile radio system (GSM)



My Family

Thursday

Week 7 / Day 40

09

In MSK we achieve the reduction of energy of side lobe ^($\sim 20dB$) by sacrificing band width (which is larger than



My Friends

QPSK). So here we come

Gaussian MSK, is a derivative of MSK where the bandwidth required is further reduced by passing the modulating ^{NRZ} waveform through a Gaussian filter. and also reduced sidelobe levels.



My Health

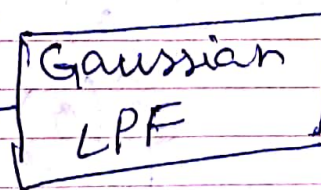
GMSK Tx



My Skills

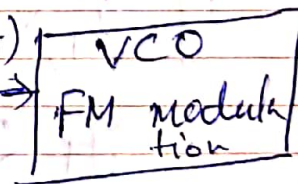
NRZ

Data



Smooth the edge of NRZ.

$m = 0.5$



GMSK OF at RF



My Money

February 2017						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

Notes: