

am modulation - Multisim

File Edit View Place MCU Simulate Transfer Tools Reports Options Window Help

---In-Use List---

MINDS RIOT

am modulation *

Oscilloscope-XSC1

am modulation *

Design1-Description *

amplitude of info. signal

FM: Frequency of carrier varies with amplitude of info. signal

Values of components

R1=68K
R2=22k
Rc=100 ohm
Cin=1uF
Ce=Cc=10uF

Tuned circuit components

L=100uH
C=47nF

Information signal: 1Vp-p & 1KHz
Carrier signal: 2 Vp-p & 5KHz
2 Vp-p & 10KHz
2 Vp-p & 15KHz
2 Vp-p & 20KHz
2 Vp-p & 25KHz

Time	Channel_A	Channel_B
T1	38.326 ms	404.512 mV
T2	38.326 ms	-1.756 V
T2-T1	0.000 s	0.000 V

Timebase: Scale: 500 us/Div

Channel A: Scale: 5 V/Div

Channel B: Scale: 5 V/Div

Trigger: Edge: Single

Level: 0

Y/T: Add B/A A/B AC 0 DC

am modulation: Simulating... | Tran: 0.043 s