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## Question: Question 1. (30 points) Perform an Internet search on the term...

i want the answer printed pleaaaaase 

**Question 1. (30 points)**

Perform an Internet search on the terms FSK and FSK transceivers. Identify specific ICs, modules, or other products in this category. Download any available data sheets or other sources of information. 3. Answer the following questions.

1. List at least four manufacturers of FSK transceivers in any form.
2. What frequencies of operation do they normally use?
3. What is a common power output level range?
4. What is a typical receiver sensitivity range?
5. What are 2FSK and 4FSK?
6. List three common uses for FSK transceivers.

**Question 2. (30 points)**

Perform Internet searches on the terms FM, FM radio applications, or similar terms. Look for the major uses of FM. What services use FM? Answer the following questions:

1. Name at least five places where FM is still used.
2. What is the main benefit of FM over AM?
3. What is the main disadvantage of FM?
4. In what frequency range is FM normally used?
5. What is the digital version of FM called?

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## Expert Answer



Anonymous answered this  
51 answers

Question .1

1) 4 FSK manufacturing units according to internet search.

Ax5243 by ON semiconductor company.

Si4421 by silicon labs

Rf12B by Hope Rf

Max7031 by Maxim ..

2) 27Mhz to 1050 Mhz

433 Mhz to 915 Mhz

430 Mhz to 929 Mhz

360 Mhz to 450 Mhz .

(Respectively as above mentioned companies ).

3) 16 Dbm.

17.5 Dbm

Was this answer helpful?



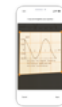
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4) 0.1 Dbm to 125 Dbm

110 Dbm

103 Dbm

107 Dbm

5)

4FSK modulator block takes digital bits known as 00,01,10,11 are used as inputs and symbols are generated as outputs.

2FSK modulator block takes bits or binary digits Known as 0 ,1 are used as inputs and symbols are generated as outputs.

6).

Home security and alaram

Remote control and keyless control.

Toys control

Tire pressure monitoring

Automatic meter reading .

Question .2

1)

Natural disaster relief forces.

Millitry or armed forces .

hilly areas communication.

Fm radio station

Emergency conditions .

2)

Fm is having improved signal to noise ratio about 25 dB with respect to man made interference .

3)

FM is having a requirement of larger band width which will occur many interference with many other signals .

4)

frequency range of Fm in noise mode is 88Mhz to 108 Mhz . otherwise audio will not be clear .

5)

Digital version of FM is known as Digital audio broadcasting (DAB) in which analogue signal is converted to digital audio signal and transmitted .

(Note :

Hi my friend ,

I hope you like my answer ,

In the question.1 you can download the datasheet of the FSK by searching the company . Here it is not possible to attach files so i am giving clear specifications of every Fsk .

Otherthan that i gave all the answers what you have asked .

Please consider my hardwork .

Please upvote and support me ,

All the best my friend ,

Thank you .

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