

Figure 6. Vector diagram of MSK.

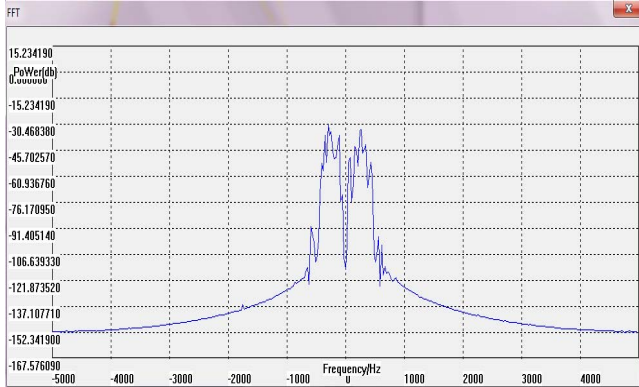


Figure 7. Frequency spectrogram of MSK.

According to this method we can easily get the base-band signal of FSK modulation, we choose different types of data

source, filters, oversampling, and so on. We just need one platform even apply in hardware.

V. CONCLUSION

I, Q channel simulation of FSK base-band signal is realized through software on PC, what's more, the analysis of constellation chart, vector diagram and frequency spectrogram is similar with the theoretical result, which achieves the expected goal. This new method not only is good for communication system unify with other modulations such as QAM and PSK but also has the high engineering application value.

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