



AMSAT

Radio Amateur Satellite Corporation

R.S. SMITH VE2BFB

Dear Sir,

Enclosed please find a tape recording of the OSCAR 6 commands. They are as follows

① 2-10 meter repeater "on"

② AGC "on"

③ 435.1 Beacon "off"

2 Minute Blank

④ 2-10 meter repeater "off"

⑤ AGC "on"

⑥ 435.1 Beacon "off"

Now each command has been recorded for about 15 seconds with a 5 second blank between them. The 5 second blank is to keep them apart.

Thus to turn on the satellite the first 3 commands must be sent and for "off" the last 3 must be sent.

May I recommend that the recording I am sending you is retaped at your QTH and keep the "Master tape" for reference. The tape is made at normal cassette speed for North America.

For the period of one of the 15 seconds of commands that I recorded each "burst" could be



AMSAT

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enough to do the job. I just repeated it fast enough as to get the command to "take" as quickly as possible.

Your F.M. Transmitter must be capable of 30-45 KHZ deviation and accept a tone of 7 KHZ without any "rolloff"

It is very important that you turn "off" the OSCAR 6 as well as "on" as to keep a good battery level in the spacecraft.

As I understand it, you know the schedule for operation and the following are your windows.

10° West Equator crossing is your western limit ~~and~~ and anything less than 10° west is yours to command either "on" or "off" depending on the schedule.

And as far as the East portion goes, that is yours as far as you can "see". So far we have just explained the "ASCENDING" orbits. Now the "DESCENDING" orbits, Everything you can see up to 210° West, or 211° West would not

AMSAT

Radio Amateur Satellite Corporation

Be yours, whereas 209° West would be. Now when I mention 10° , 209° , 210° or 211° I mean "Degrees West equator crossing"

It is very important that when turning the spacecraft "on" or "off" that all 3 Commands are sent, because the battery will not charge when the 435.1 beacon is "on" or the AGC is "off" ~~at all~~. Thus the 435.1 beacon must be "off" and the AGC "on" at all times.

Effective 1 Sept. all further info you require re. commanding please write AMSAT. as My position as Command Station Manager is no longer valid.

73
Randall Smith
VE2BYG/S