

Instructions: The purpose of this form is to aid NASA and the NAR in minimizing interference at the launch field. as possible minimizes both your interference with other teams and their interference with your team.

| School Name | Transmitter | Brand | Model | RF Power (mW) | Fixed Frequency or Frequency Hopping? | Specific Frequency to Be Used (MHz) (if Fixed) |
|-------------------|-------------|---------------|-------------|---|---------------------------------------|--|
| Purdue University | #1 | Altus Metrum | TeleMetrum | 40 | Fixed Frequency | 434.550 MHz |
| Purdue University | #2 | Missile Works | RRC3+ Sport | RRC3+ Sport does not transmit any signals | | |
| Purdue University | #3 | XBee | XBP24-AWI- | 60 | Fixed Frequency | 2.4GHz |
| Purdue University | #4 | XBee | XBP24-AWI- | 60 | Fixed Frequency | 2.4GHz |
| Purdue University | #5 | XBee | XBP24-AWI- | 60 | Fixed Frequency | 2.4GHz |

Launch Day Transmitter Data Sheet

Please provide all applicable data for every transmitter your team will use during launch day, whether on

| Channel/Slot/ID (Fixed) or Band (Freq. Hopping) | Data mode (APRS, GFSK, Audio Beacon, etc.) | Baud Rate (bps or kbps) (if digital) | Callsign (if applicable) | Purpose of transmitter |
|---|--|--------------------------------------|--------------------------|--|
| Channel 0 | APRS | 2400 | KD2IKO | Transmit altitude, record GPS and altitude |
| Channel: C; PAN ID: 0x839E | N/A | 9600 bps | N/A | Transmit signals to rocket to eject and deploy |
| Channel: C; PAN ID: 0x839E | N/A | 9600 bps | N/A | Receive signal from base station to ignite |
| Channel: C; PAN ID: 0x839E | N/A | 9600 bps | N/A | Receive signal from base station to trigger |



the rocket, payload, ground station, or in the spectator area. Being as thorough

| Distance (in.) to closest altimeter hardware (e-match, wire, switch, altimeter, etc.) and identify what hardware | Description of shielding plan |
|--|-------------------------------|
|--|-------------------------------|

N/A

N/A

Not near altimeter hardware
~22" towards nosecone
~33" towards nosecone

Shielded housing, shielded cable
Support electronics isolated from the rest of the rocket
Support electronics isolated from the rest of the rocket