

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
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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