

22:09:51 開始 MENGU CHO : Questions by chat message are welcome.
22:10:13 開始 Segun Oyeyiola : Okay
22:12:06 開始 Cristian Bruna : Hi, for the aprs experiment, can include a new the transceiver or need to use the satellite transceiver ?
22:14:03 開始 Jorge Casir : for the APRS payload competition, you need to use a new transceiver
22:14:22 開始 Cristian Bruna : Excellent.
22:19:22 開始 Cristian Bruna : But I can use the same antenas of the cubesat or new ?
22:19:42 開始 Jorge Casir : the antennas will be the ones of the satellite.
22:20:00 開始 Mitch VE60H UofA Consultant : Should use the term Mass not Weight.
22:20:57 開始 Cristian Bruna : so there is a relay antenna for change the transceivers connections ?
22:22:16 開始 Jorge Casir : you will need to put an antenna connector defined on the ICD. There will be a rf switch that will switch the antenna between the payloads
22:23:25 開始 Cristian Bruna : ok
22:25:12 開始 Rodrigo : So.. do we need to consider the loss in the RF switch within the Link Budget?
22:27:51 開始 Masanobu Tsuji : Is the CMD/TLM TRX disconnected from antenna while APRS is in operation ? Any idea for using different frequency bands for TLM/CMD and APRS?
22:28:35 開始 Jorge Casir : we will test the loss in the designed RF switch and share it with you all for the final link budget calculation
22:28:51 開始 Jorge Casir : we will use UHF frequency for command uplink and downlink
22:29:31 開始 Jorge Casir : there are 4 antennas on the satellite, a dedicated antenna will be provided for all APRS payloads
22:36:56 開始 Cristian Bruna : Can use aprs uhf frecuencies or only vhf aprs ?
22:38:04 開始 Jorge Casir : only VHF for APRS
22:39:22 開始 Azami. : Is it possible for 1 team enter both competitions (APRS and GT) or need separate team?
22:40:33 開始 Rodrigo : Does the term "reference ground terminal" mean TX and RX in the same ground station, right?
22:40:43 開始 Jorge Casir : it is possible for the same team to enter both competitions, but the applications will be separate, since the GT will take place later
22:41:06 開始 Azami. : Reacted to "it is possible for t..." with
22:42:19 開始 Jorge Casir : The reference ground terminal will be at Kyutech, this is to ensure that all the payloads are given the same opportunity

to test the communication with the ground

terminal

22:42:20 開始 Luis Miranda : When is it scheduled to open GT competition submission?

22:44:10 開始 Jorge Casir : The submissions for the GT competition will be announced on a later time this year, since now the priority is on the payload competition for the satellite development

22:44:36 開始 Luis Miranda : Thank you 73 !!!

22:45:32 開始 Cristian Bruna : Are hamradio here?

22:45:47 開始 Masanobu Tsuji : JA1DAO

22:46:13 開始 Cristian Bruna : LW2DTZ

22:46:34 開始 Steven Knudsen (he/him) : Will there be a published API for commands/comms to the MCU?

22:47:49 開始 Mitch VE60H UofA Consultant : What about remote control of ground station via internet, is this OK?

22:47:57 開始 Jorge Casir : yes there will be published on the ICD

22:48:15 開始 Hariharan Krishnan : Would advisors to the project count towards the team composition? Say we have some professors as advisors but the work is being done by the students themselves

22:50:32 開始 Rodrigo : Is it recommended to use a transceiver shield due to possible internal RF interference?

22:50:48 開始 Steven Knudsen (he/him) : If a team wants to do science on their board, what is the mechanism to communicate results back to them?

22:51:02 開始 Cristian Bruna : If hams of japan would work together with argentinian in aprs payload write to me lw2dtz@gmail.com. We have some ideas.

22:54:45 開始 Rodrigo : Cool, merci!

22:55:21 開始 Steven Knudsen (he/him) : Will the payload boards recieve standby power, or are they turned off when it's not their turn to function?

22:56:52 開始 Saurov Podder : what if I want to have two different mission ideas. So can I apply with two different teams. Can both teams have one common member?

22:57:35 開始 Saurov Podder : thank you

22:57:48 開始 Steven Knudsen (he/him) : Will payload boards be allowed to have a battery?

22:58:14 開始 Masanobu Tsuji : Do we have ARDC's review for communication design?

22:58:31 開始 Steven Knudsen (he/him) : Okay, so unless activated, the payload is unpowered and there is no opportunity to do science at that time.

22:58:53 開始 Steven Knudsen (he/him) : Thanks

23:00:00 開始 Steven Knudsen (he/him) : Will there be support for

in-space firmware

update?

23:00:13 開始 Steven Knudsen (he/him) : for payloads.

23:00:32 開始 Cristian Bruna : up and downlink is 145825 MHz?

23:00:48 開始 Hariharan Krishnan : Is there a contact email,? or just

social

media

23:00:52 開始 Steven Knudsen (he/him) : Will there be published
marterials for things like conformal coating requirements, materials
requirements,
etc. ?

23:01:26 開始 Merisa KOSIYAKUL : birds-x-project@kyutech-laseine.net

23:02:07 開始 Mitch VE60H UofA Consultant : Is the VHF frequency
fixed as there are different frequencies in different
regions

23:06:54 開始 MENGU CHO : <https://birds-project.com/open-source/>