

Payload Plan

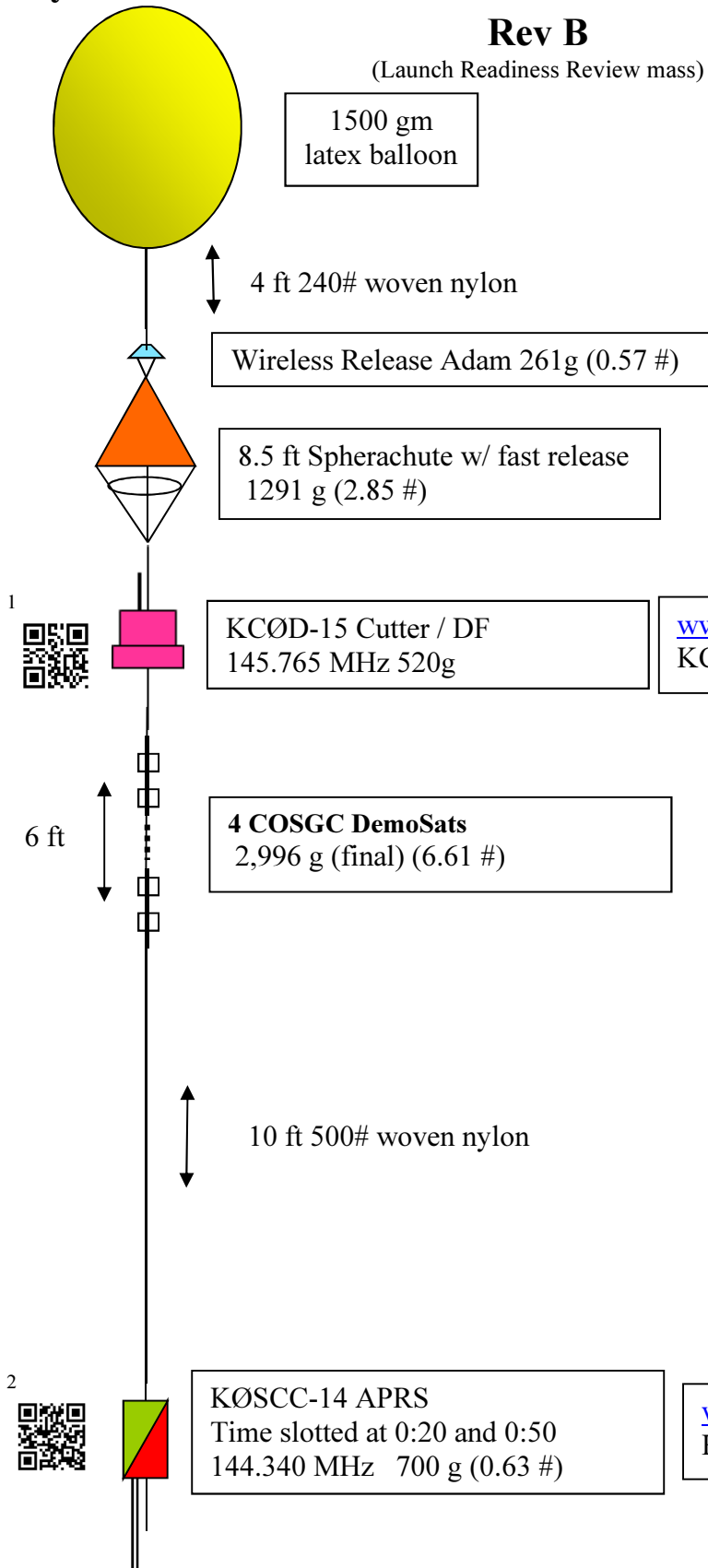
EOSS-297 Lite

0745 MDT, 09 Nov 2019

Rev B

Eaton, CO

(Launch Readiness Review mass)



1500 gm
latex balloon

4 ft 240# woven nylon

Wireless Release Adam 261g (0.57 #)

8.5 ft Spherachute w/ fast release
1291 g (2.85 #)

KCØD-15 Cutter / DF
145.765 MHz 520g

www.wxqa.com/sss/balon1.cgi
KCØD-15 / EOSS-297

4 COSGC DemoSats
2,996 g (final) (6.61 #)

10 ft 500# woven nylon

KØSCC-14 APRS
Time slotted at 0:20 and 0:50
144.340 MHz 700 g (0.63 #)

www.wxqa.com/sss/balon1.cgi
KØSCC-14 / EOSS-297

Item	Weight pounds	Weight kg
Student Payloads	6.61	2.996
EOSS Payloads	2.60	1.18
Parachute	2.85	1.291
Neck load	12.05	5.467
Balloon	3.31	1.500
Gross Weight	15.36	6.967
Gross Lift Factor	1.25	1.25
Neck Lift	15.89	7.208
H2 fill; scf (approx)	259	
Burst Altitude; kft km	95.1	29.0

¹ www.aprs.fi/kc0d-15 (that is a zero)

² www.aprs.fi/k0scc-14 (that too is zero)