

Payload Plan

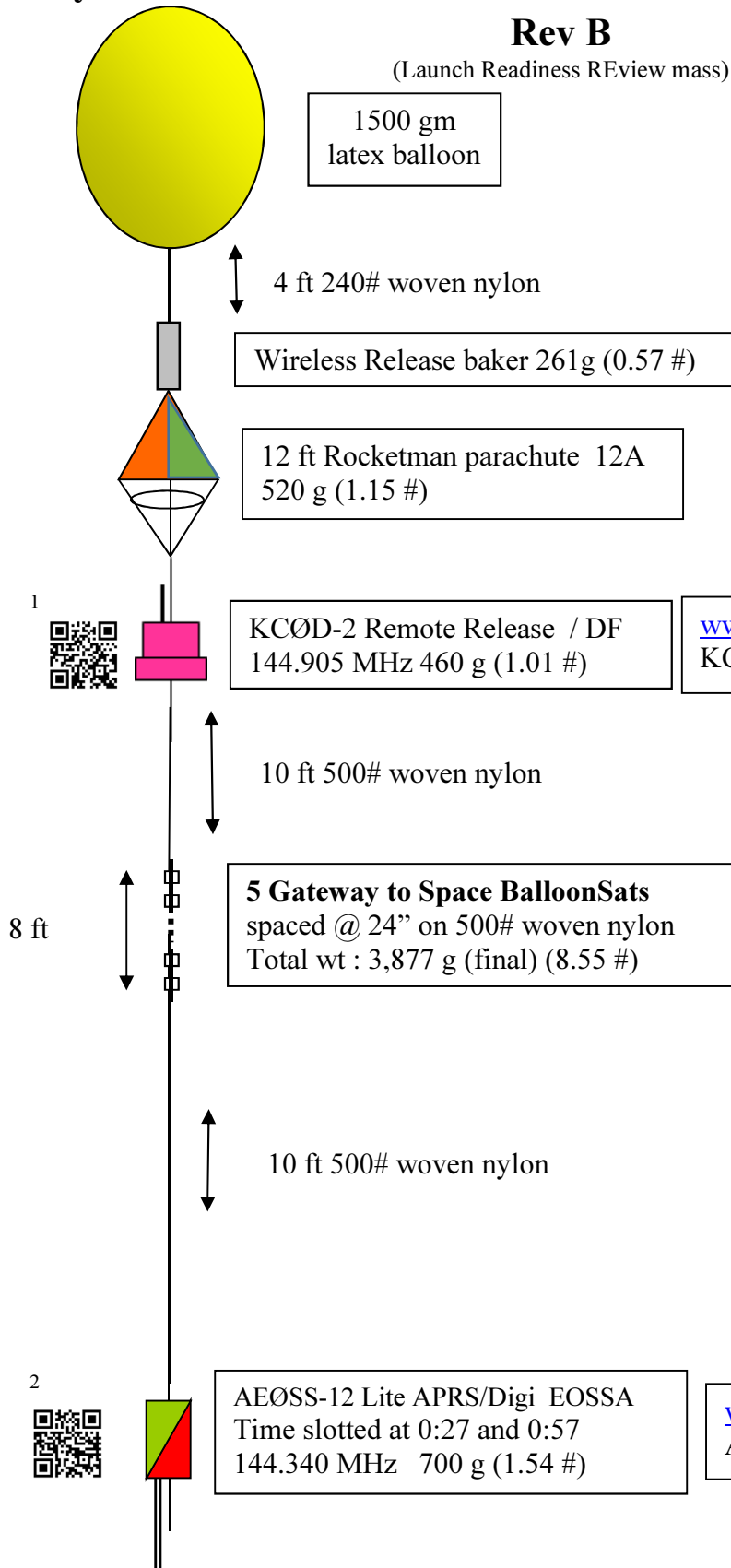
EOSS-295 Lite

0710 MST, 09 Nov 2019

Rev B

Eaton, CO

(Launch Readiness REview mass)



1500 gm latex balloon

4 ft 240# woven nylon

Wireless Release baker 261g (0.57 #)

12 ft Rocketman parachute 12A 520 g (1.15 #)

KCØD-2 Remote Release / DF 144.905 MHz 460 g (1.01 #)

www.wxqa.com/sss/balon1.cgi
KCØD-2 / EOSS-295

8 ft
5 Gateway to Space BalloonSats spaced @ 24" on 500# woven nylon Total wt : 3,877 g (final) (8.55 #)

10 ft 500# woven nylon

AEØSS-12 Lite APRS/Digi EOSSA Time slotted at 0:27 and 0:57 144.340 MHz 700 g (1.54 #)

www.wxqa.com/sss/balon1.cgi
AEØSS-12 / EOSS-295

Item	Weight pounds	Weight kg
Student Payloads	8.55	3.877
EOSS Payloads	2.56	1.16
Parachute	1.72	0.781
Neck load	12.83	5.818
Balloon	3.31	1.500
Gross Weight	16.13	7.318
Gross Lift Factor	1.25	1.25
Neck Lift	16.86	7.646
H2 fill; scf (approx)	272	
Burst Altitude; kft km	94.0	28.7

¹ www.aprs.fi/kc0d-2 (that is a zero)

² <http://www.aprs.fi/ae0ss-12> (that is a zero)