



**Moog Manned Data Link Validation  
FCC Information Brief**  
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**09 February 2018**



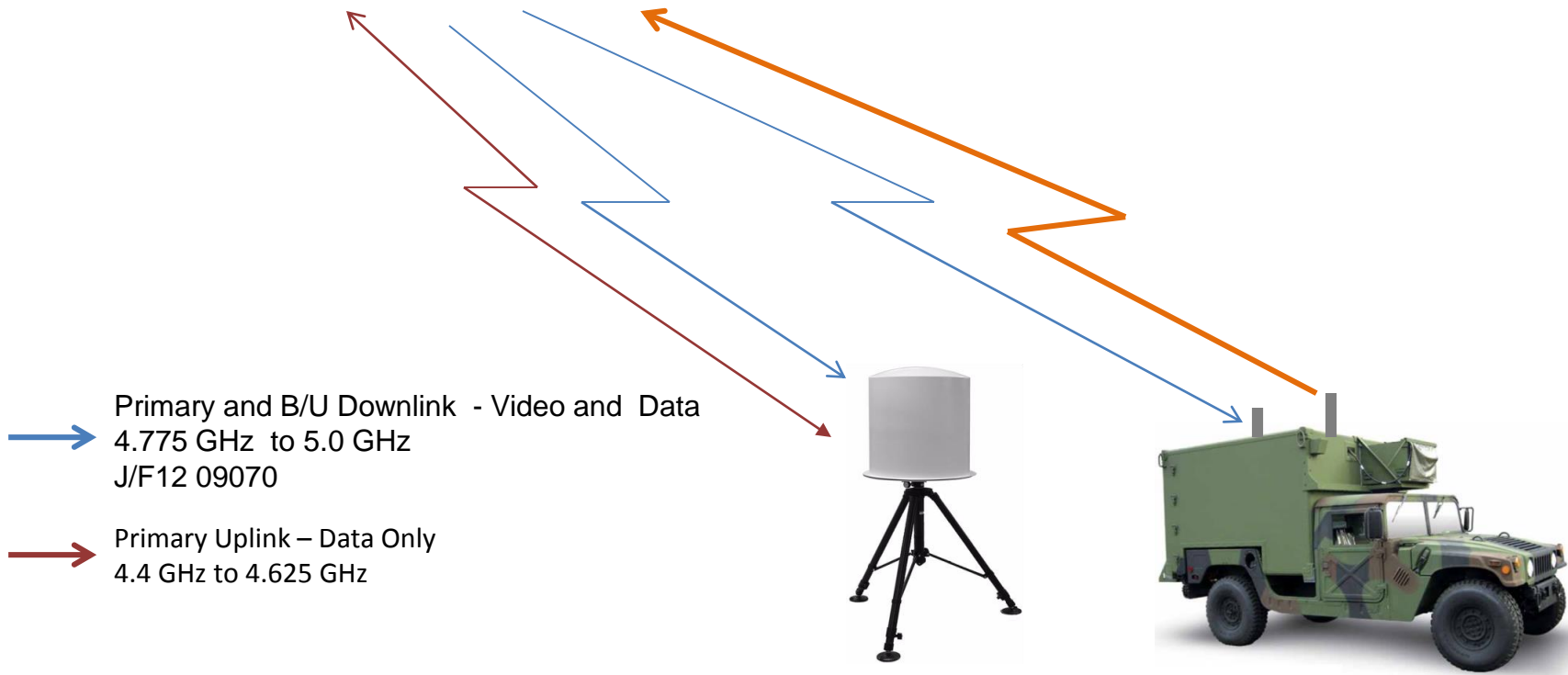
<b>MOOG UAS DATALINK</b>	<b>UNCLASSIFIED</b>	Date 09 Feb 2018	PAGE 1
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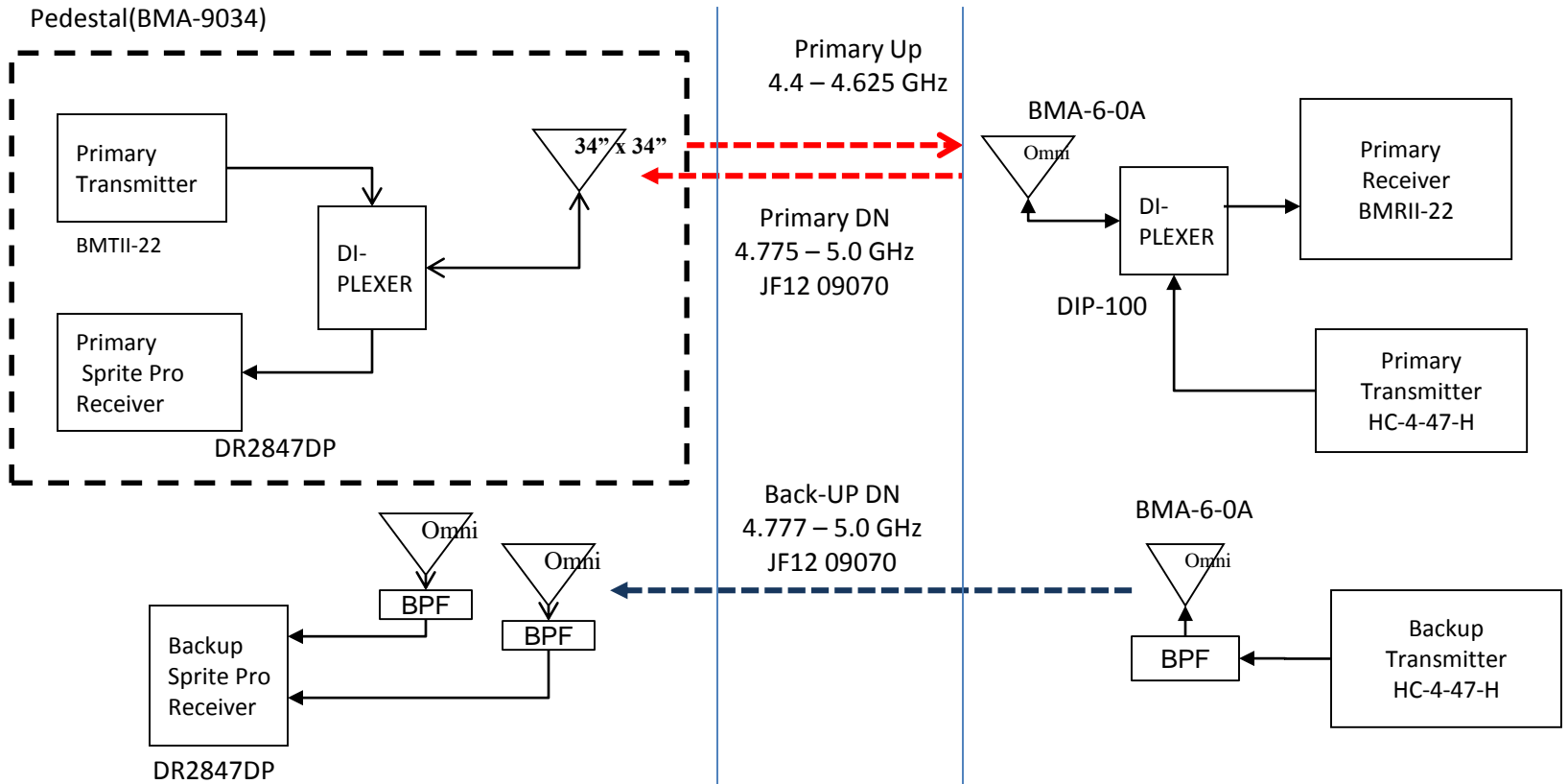
## Transmitter Summary

Item #	Mfg	Model No	Description	Frequency (MHz)		Tuning Resolution / Accuracy	Power (W)	Antenna Gain (dBi)	Beamwidth (Deg)	ERP (dBm)	Mean / Peak	Modulating Signal	Bandwidth
				Lower	Upper								
<b>Airborne Transmitters</b>													
1	BMS (see Note 1)	Helicoder 4, HC4--47-H	Video and Data Transmitter Primary Down link	4,400	5,000	1 MHz +/- 2.5 PPM	10.0	5.5	Omni	45.5	Mean	COFDM	8MHz
2	BMS (see Note 1)	Helicoder 4, HC4--47-H	Video and Data Transmitter Back-up Down link (Same as Primary)	4,400	5,000	1 MHz +/- 2.5 PPM	10.0	5.5	Omni	45.5	Mean	COFDM	8MHz

<b>Ground Transmitters</b>													
1	BMS	BMTII	Command / data Transmitter Primary	4,400	5,000	1 MHz +/- 2.5 PPM	8.0	28.0	6.4 deg (AZ & EL)	65.0	Mean	FSK	140KHz (-3dB)

Notes:	<ol style="list-style-type: none"> <li>1. BMS - Broadcast Microwave Services, Poway, CA</li> <li>2. Frequencies can be changed remotely during a mission</li> <li>3. The C-band emitters are tunable in 1 MHz increments within the upper and lower frequencies</li> <li>4. ERP includes allowance for cable losses</li> </ol>
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Ground Data Terminal (GDT)

Air Data Terminal (ADT)



