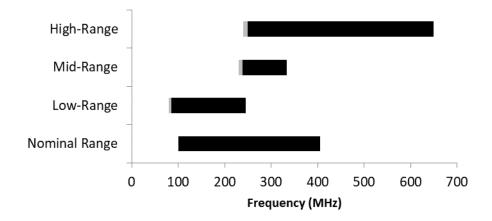
H177324-0001 PH MASDVT1000S6 BL3.2 X/H





The overall tuning range of the X-channel is split into three intervals, covering Larmor frequencies from ¹⁵N to ³¹P. Dending on the overserved nucleus the correct interval can be set by a combination of the two switches labelled as "1" and "2". The frequency ranges and the corresponding switch setting is illustrated below:



	SW 1	SW 2	Frequency Range	Typical Nuclei
Low-Range	pushed	pulled	86 – 245 MHz	¹⁵ N, ² H
	(closed)	(open)		
Mid-Range	pulled	pulled	239 – 333 MHz	⁷⁹ Br, ¹³ C, ²⁷ Al,
	(open)	(open)		
High-Range	pulled	pushed	250 – 650 MHz	³¹ P,
	(open)	(closed)		
Not – recom.	push	pushed	n/a	n/a
	(closed)	(closed)		

Fig. 1 – *Low-, Mid-,* and *High-Range* with corresponding resonance frequencies. Note, that the *Mid-Range* should be used preferably since this setting provides a higher NMR sensitivity as compared to the *High-Range*.