

Telescope	L-band	C-band	M-band		X-band	K-band	Q-band
Arecibo							
Badary							
Cambridge							
Effelsberg <sup>f</sup>	140, IF: 80-220  optional: 264 MHz (direct RF 1536-1800 MHz)	500,  IF: 500-1000	500,  IF: 500-1000	2500,  IF: 0-2500  4000,  IF: 0-4000	920,  IF: 0-1000	500,  IF: 500-1000  4000,  IF: 0-4000	500,  IF: 500-1000  4000,  IF: 0-4000
	1.29-1.43, 1.59-1.73	4.6-5.1	5.75-6.75	4.0-9.3	7.9-9.0	18.0-26.0	35.0-50.0
	tuneable in steps 25 kHz						
Hartebeesthoek <sup>c</sup>	160  option: 270 (unfiltered)	500	150		800	1500	
	1.59-1.75  optional: +- 1.48-1.75	4.6-5.1	5.9-6.9		8.18-8.98	21.4-24.1	
	not-tuneable (except optionally at L-band and at M-band and K-band where it is tuneable in steps smaller than 1kHz)						
Irbene	200, IF: 200-400  120, IF: 250-370	1000, IF: 400-1400  1000, IF: 400-1400	1200, IF: 300-1500		1200, IF: 300-1500	N/A	N/A

<sup>a</sup> currently LCP only (new receiver is under construction).

Old Frequency range table

<sup>b</sup> also S-band: 0.14 (2.21-2.35) GHz, LO: 4100 MHz	1.4-1.6 GHz, LO: 4100 MHz	4.5-5.5 GHz, LO: 4100 MHz	11.61-12.41 GHz, LO: 6100 MHz	7.6-8.8 GHz, LO: 7300 MHz	N/A	N/A	N/A
<sup>c</sup> also S-band: 0.24 (2.20-2.25) GHz, LO: 1350 MHz	1.6-1.7 GHz, LO: 1350 MHz	5.4-6.4 GHz, LO: 5000 MHz	6.4-7.6 GHz, LO: 6100 MHz				
<sup>d</sup> For more details see freq_RDBE.dat in sched catalog directory							
<sup>e</sup> also P-band: 85, 0.305 Hz	0.390, 300 MHz						
<sup>f</sup> New receivers: 12-18 GHz (IF 0-2500 MHz) expected in 2019	LO tuneable with steps <1 KHz	LO tuneable with steps 1 MHz					
Jb-1							
Jb-2	IF: 512 - 1024 MHz	IF: 512 - 1024 MHz	IF: 512 - 1024 MHz	N/A	IF: 512 - 1024 MHz	N/A	
	Sky Freq: 1.250- 1.750 GHz	Sky Freq: 4 - 7.5 GHz	Sky Freq: 4 - 7.5 GHz		Sky Freq: 20 - 25.02 GHz		
	LO: Tunable to 0.01 Hz.	LO: Tunable to 0.01Hz.	LO: Tunable to 0.01Hz.		LO: Tunable to 0.01Hz.		
Kunming				8.2-9.0	4.0-8.0		
Medicina	1.350-1.450 - LO 1036MHz 1.585-1.715 - LO 1295MHz	400 (IF 100-500) 4.3-5.8	800 (IF 100-900) 5.9-7.1	800 (IF 100-900) 8.180-8.980	2000 (IF 100-2100) 18-26		
Merlin							
Metsähovi <sup>b</sup>				480 (IF 500-980)	500 (IF 500-1000)	500 (IF 500-1000)	5
				8.15-8.65	21.98-22.48	40-45	8
				fix: 7650	fix: 21480	fix: 42400	8
Noto	Actually not available	500	500	500	500	500	

Old Frequency range table

		4.1-5.0	5.6-7.2	8.1-8.6	21.7-22.2	38-47	a n a
Onsala	300 (IF 10 - 500)	500 (IF 500-1000)	500 (IF 10-500)	500 (IF 10-1000)	500 (IF 10-1000)	500 (IF 10-500)	5 ( 1
	1.4-1.7	4.6-5.1	6.5-7.0	8.1-9.1	18-26	36-50	8
	The input frequency range is set by the RF filter at 18/21 and 5/6cm, and by the fixed LO at 3.						
Robledo	only one pol - RCP-: 500 1.4 - 1.9 GHz (IF 20 - 520)			500 (IF 50 - 550)	70 (tunable 18-26.5)	70 (tunable 39-49)	
Sardinia <sup>e</sup>	500 1.3 - 1.8 2324		2000 0.1 - 2.1 5.6 - 7.6		2000 0.1 - 2.1 17.9 - 25.9		
Shanghai-25m	1.38 - 1.7 fix:2300	4.65-5.1 fix:4200 5.975-6.825 fix:5900	N/A	8.2-9.0 fix:8100	N/A	N/A	
Svetloe							
Tamna					500-1000 21.25 - 23.25 fixed	500-1000 42.11-44.11 fixed	5 8 t
Tianma 65	1.33-1.73 fix:2270	4-8 tunable	N/A	8.2-9.0 fix:8100	18.0-26.5 tunable	35-50 tunable	

Old Frequency range table

					LO1=15	LO1=31/ 35/38	
Torun	500	500	500		500		
	1.4 - 1.72	4.35 - 4.95 or 4.75 - 5.35	5.9 - 6.4 or 6.4 - 6.9		20.0 - 25.0		
	tunable in range of 1 - 20 GHz with a minimum step of 1 kHz						
Ulsan					500-1000 18.0 - 26.0 tunable	500-1000 42.11-44.11 fixed	5 8 t
Urumqi							
Westerbork	160 (tunable 1150-1750) 1301-1460 (RFI clear) 1645-1793 (RFI clear)	not possible	not possible	not possible	-	-	-
Yebeş		IF: 500-1000 4.56-5.06 tunable in 0.002 Hz steps	IF: 500-1000 5.9-6.9 tunable	IF: 500-1000 8.15-8.65 fized	IF: 0-1000 21.0-24.0 tunable	IF: 0.1-2000.1 32.0-50.0 tunable	IF 5 8 t
Yonsei					500-1000 18.0 - 26.0	500-1000 42.11-44.11	5 8

Old Frequency range table

					tunable [mHz step]	fixed	t
Zelenchuiskaya							
VLBA <sup>d</sup> (not EVN)	500	500		500	500	500	5
	1.18 - 1.85	4.44 - 5.24		7.7 - 9.05	20.5 - 25.3	37.6 - 46.2	8
	tunable in steps of 100 MHz		d	d	d	d	d