

Zc	90 cm	UHF	21 cm	18 cm	6 cm	5 cm <sup>1</sup>	5 cm <sup>2</sup>	S/X	X	22 GHz	43 GHz
90 cm	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
UHF	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21 cm	n/a	n/a	-	0 min <sup>3</sup>	30 min <sup>5</sup>	n/a	n/a	30 min <sup>4,5</sup>	n/a	30 min <sup>5</sup>	n/a
18 cm	n/a	n/a	0 min <sup>3</sup>	-	30 min <sup>5</sup>	n/a	n/a	30 min <sup>4,5</sup>	n/a	30 min <sup>5</sup>	n/a
6 cm	n/a	n/a	30 min <sup>5</sup>	30 min <sup>5</sup>	-	n/a	n/a	30 min <sup>4,5</sup>	n/a	30 min <sup>5</sup>	n/a
5 cm <sup>1</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5 cm <sup>2</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
S/X	n/a	n/a	30 min <sup>4,5</sup>	30 min <sup>4,5</sup>	30 min <sup>4,5</sup>	n/a	n/a	-	n/a	30 min <sup>5</sup>	n/a
X	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22 GHz	n/a	n/a	30 min <sup>5</sup>	30 min <sup>5</sup>	30 min <sup>5</sup>	n/a	n/a	30 min <sup>5</sup>	n/a	-	n/a
43 GHz	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

<sup>1</sup>6030 MHz

<sup>2</sup>6668 MHz

<sup>3</sup>same receiver 18/21 cm

<sup>4</sup>there is no special X-band receiver, S/X only

<sup>5</sup>depending on band number required and other requirements (Pcal), band change may take from 10 min to 8 hours:

- 1) 10 min - automatic change between secondary focus receivers;
- 2) 30 min - same as above plus required antenna to be pointed to Zenith and manual operations in the receiver cabin (e.g. Pcal change);
- 3) 8 hours - only few receivers (cryogenic units) could be cooled simultaneously, time needed to cool down additional receiver.