

Frontend								Backend				
Receiver	# of Beam	Polarizations / Beam	Type	RF Coverage	IF range	LO Frequency range	Typ. Tsys	Spectral Line Obs.		Continuum Obs.		
								SAM45		Continuum BE		
								Normal	Spectral window mode	# of IFs	w/ Beam SW	Typ. Sensitivity (mJy/sqrt(t[sec]))
H22	1	RHCP LHCP	HEMT	20 - 25 GHz	USB: 5-7 GHz	14 - 19 GHz	80 K	PoSW OTF	-	2	Cross	60
H40	1	LHCP	HEMT	42.5 - 44.5 GHz	USB: 5-7 GHz	36.5 - 38.5 GHz	150 K	PoSW OTF	-	-	-	-
Z45	1	H V	HEMT	42 - 46 GHz	USB: 4-8 GHz	36 - 40 GHz	100 K	PoSW OTF	-	2	Cross	60
H22 & H40 (Simultaneous)	1 (*1)	(Same as H22 single receiver mode)					80 K	PoSW	-	2	Cross	60
		(Same as H40 single receiver mode)					180 K	OTF		1		100
H22 & Z45 (Simultaneous)	1 (*2)	(Same as H22 single receiver mode)					80 K	PoSW	-	-	-	-
		(Same as Z45 single receiver mode)					120 K	OTF		-		-
FOREST	4	H V	SIS (2SB)	80 - 116 GHz (*3)	USB-L: 4 - 8 GHz LSB-L: 4 - 8 GHz USB-H: 7 - 11 GHz LSB-H: 7 - 11 GHz (*4)	86 - 110 GHz (*3)	150 - 300 K (*3)	PoSW OTF	PoSW OTF	-	-	-
	ON-ON (Beam 1+3)				ON-ON			-	-	-	-	
	1 (Beam 1)				PoSW OTF			-	2 (Beam 1)	Cross	100	