

FY3 C/~H Satellite Interface Parameter Planning Table

	Frequency (MHz)	Bandwidth (MHz)	Encoded mode	Polarization	EIRP(dBm)
FY3C MPT (AM) Direct Broadcast	7780	37.4	RS(255, 223)+ CONV(7, 1/2)	LHCP	46
FY3C DPT (AM) Global Delay Data	8175	124	RS(255, 223)+ CONV(7, 3/4)	LHCP	46
FY3D MPT (PM) Direct Broadcast	7820	60	RS(255, 223)+ CONV(7, 3/4)	RHCP	46
FY3D DPT (PM) Global Delay Data	8250	300	RS(255, 223)+ CONV(7, 3/4)	RHCP	46
FY3E MPT (MOR) Direct Broadcast	7860	77	RS(255, 223)+ CONV(7, 3/4)	LHCP	46
FY3E DPT (MOR) Global Delay Data	8212.5	375	LDPC(8176 , 7154)	LHCP	46
FY3F MPT (AM) Direct Broadcast	7790	77	RS(255, 223)+ CONV(7, 3/4)	RHCP	46
FY3F DPT (AM) Global Delay Data	8212.5	375	LDPC(8176 , 7154)	RHCP	46

FY3G MPT (TRM) Direct Broadcast	7790	20	RS(255, 223)+ CONV(7, 3/4)	RHCP	42
Fy3G DPT (TRM) Global Delay Data	8212.5	375	LDPC(8176 , 7154)	RHCP	42
Fy3H MPT (PM) Direct Broadcast	7860	77	RS(255, 223)+ CONV(7, 3/4)	LHCP	46
FY3H DPT (PM) Global Delay Data	8212.5	375	LDPC(8176 , 7154)	LHCP	46

FY3C/~H Modulation Mode: QPSK;(MPT AND DPT)

FY3C/~H Data Format: AOS of CCSDS standard;(MPT AND DPT)

NOTE:

- 1 FY3 series satellite with difference polarization In order to avoid mutual interference;
- 2 12Mbandwith of L-band can not meet the transmission requirements,With the increase of sounder,and the increase of data,FY3D/~H will transmit data using X-band only no L-band.
- 3 All ground segment antenna of FY3 adapt Polarization configurable(LRCP or HRCP),including L-band and X-band.
- 4 the G/T>26 for DB station,frequency:7750MHz~7900MHz for FY3 series.