

## Frequencies Used by Current and Future Fengyun Satellite Systems

This update of frequency data used by Fengyun Satellite System is based on CMA working report to the 41<sup>st</sup> plenary meeting of the Coordination Group for Meteorological Satellite in 2013

Satellite	Period of Utilization	Position/ LST	Service/ Application	Direct- ion	Freq. (MHz)	Emission	Band- width (kHz)	Polarizat- ion	Data Rate (kbps)
<b>Current and future geostationary CMA satellite systems</b>									
FY-2C		123.5E	DCP	E-S	401.1-401.4		300	RHCP	0.100
			DCP	E-S	402.0-402.1		100	RHCP	0.100
			Raw Data	S-E	1671.6- 1691.6	20M0G1D	20000	Linear	14000
			Ranging (station -2)	S-E	1684-1685	1M00G2W	1000	Linear	500
			Ranging (station-1)	S-E	1686-1687	1M00G2W	1000	Linear	500
			Ranging (primary-station)	S-E	1690-1691	1M00G2W	1000	Linear	500
			S-VISSR	S-E	1686.5- 1688.5	2MOOG1D	2000	Linear	660
			LRIT	S-E	1690-1691	1M00G2W	1000	Linear	150
			WEFAX (not in use)	S-E	1690.87- 1691.13	260KFXD	260		
			S-WEFAX (not in use)	S-E	1699.487- 1699.513	26K0FXD	26		
			Ranging (station 2)	E-S	2044-2045	1M00G2W-	1000	Linear	500
			Ranging (station1)	E-S	2046-2047	1M00G2W	1000	Linear	500
			Ranging (primary- station)	E-S	2050-2051	1M00G2W	1000	Linear	500
			TC	E-S	2056.5- 2057.5	70K0FXD	70		
			S-WEFAX (not in use)	E-S	2059.487- 2059.513	26K0FXD	26		
			LRIT	E-S	2050.87- 2051.13	260KFXD	260	Linear	150
		S-VISSR	E-S	2046.5- 2048.5	2M00G1D	2000	Linear	660	
FY-2D		86.5E	DCP	E-S	401.1-401.4		300	RHCP	0.100
			DCP	E-S	402.0-402.1		100	RHCP	0.100
			Raw Data	S-E	1671.6- 1691.6	20M0G1D	20000	Linear	14000
			Ranging (station 2)	S-E	1684-1685	1M00G2W	1000	Linear	500
			Ranging (station 1)	S-E	1686-1687	1M00G2W	1000	Linear	500
			Ranging (primary-station)	S-E	1690-1691	1M00G2W	1000	Linear	500
			S-VISSR	S-E	1686.5- 1688.5	2MOOG1D	2000	Linear	660
			LRIT (not in use)	S-E	1690-1691	1M00G2W	1000	Linear	150
			WEFAX (not in use)	S-E	1690.87- 1691.13	260KFXD	260		
			S-WEFAX (not in use)	S-E	1699.487- 1699.513	26K0FXD	26		
			Ranging (station 2)	E-S	2044-2045	1M00G2W-	1000	Linear	500
			Ranging (station 1)	E-S	2046-2047	1M00G2W	1000	Linear	500
			Ranging (primary station)	E-S	2050-2051	1M00G2W	1000	Linear	500
			TC	E-S	2056.5- 2057.5	70K0FXD	70		
			S-WEFAX (not in use)	E-S	2059.487- 2059.513	26K0FXD	26		

			LRIT (not in use)	E-S	2050.87- 2051.13	260KFXD	260	Linear	150
			S-VISSR	E-S	2046.5- 2048.5	2M00G1D	2000	Linear	660
FY-2E		105E	DCP	E-S	401.1-401.4		300	RHCP	0.100
			DCP	E-S	402.0-402.1		100	RHCP	0.100
			Raw Data	S-E	1671.6- 1691.6	20M0G1D	20000	Linear	14000
			Ranging (station-2)	S-E	1684-1685	1M00G2W	1000	Linear	500
			Ranging (station-1)	S-E	1686-1687	1M00G2W	1000	Linear	500
			Ranging (primary-station)	S-E	1690-1691	1M00G2W	1000	Linear	500
			S-VISSR	S-E	1686.5- 1688.5	2MOOG1D	2000	Linear	660
			LRIT (not in use)	S-E	1690-1691	1M00G2W	1000	Linear	150
			WEFAX (not in use)	S-E	1690.87- 1691.13	260KFXD	260		
			S-WEFAX (not in use)	S-E	1699.487- 1699.513	26K0FXD	26		
			Ranging(station 2)	E-S	2044-2045	1M00G2W-	1000	Linear	500
			Ranging(station1)	E-S	2046-2047	1M00G2W	1000	Linear	500
			Ranging (prim- station)	E-S	2050-2051	1M00G2W	1000	Linear	500
			TC	E-S	2056.5- 2057.5	70K0FXD	70		
			S-WEFAX (not in use)	E-S	2059.487- 2059.513	26K0FXD	26		
			LRIT (not in use)	E-S	2050.87- 2051.13	260KFXD	260	Linear	150
			S-VISSR	E-S	2046.5- 2048.5	2M00G1D	2000	Linear	660
FY-2F		112.5E	DCP	E-S	401.1-401.4		300	RHCP	0.100
			DCP	E-S	402.0-402.1		100	RHCP	0.100
			Raw Data	S-E	1671.6- 1691.6	20M0G1D	20000	Linear	14000
			Ranging (station -2)	S-E	1684-1685	1M00G2W	1000	Linear	500
			Ranging (station-1)	S-E	1686-1687	1M00G2W	1000	Linear	500
			Ranging (primary-station)	S-E	1690-1691	1M00G2W	1000	Linear	500
			S-VISSR	S-E	1686.5- 1688.5	2MOOG1D	2000	Linear	660
			LRIT	S-E	1690-1691	1M00G2W	1000	Linear	150
			WEFAX	S-E	1690.87- 1691.13	260KFXD	260		
			S-WEFAX (not in use)	S-E	1699.487- 1699.513	26K0FXD	26		
			Ranging (station 2)	E-S	2044-2045	1M00G2W-	1000	Linear	500
			Ranging (station 1)	E-S	2046-2047	1M00G2W	1000	Linear	500
			Ranging (primary- station)	E-S	2050-2051	1M00G2W	1000	Linear	500
			TC	E-S	2056.5- 2057.5	70K0FXD	70		
			S-WEFAX (not in use)	E-S	2059.487- 2059.513	26K0FXD	26		
			LRIT	E-S	2050.87- 2051.13	260KFXD	260	Linear	150
			S-VISSR	E-S	2046.5- 2048.5	2M00G1D	2000	Linear	660
FY-4	2015	TBD	DCPS	E-S	401.1-401.4			RHCP	
			DCPS	E-S	402.0-402.1			RHCP	
			DCPS	S-E	1686-1692			Lnear	
			Raw Data	S-E	7450-7550			RHCP LHCP	

			HRIT	E-S	8175-8183			RHCP	
			HRIT	E-S	8200-8210			RHCP	
			HRIT	S-E	1675-1687			Linear	
			LRIT and WAIB	E-S	2056-2060			RHCP	
			LRIT and WAIB	S-E	1696-1698			linear	
			TARS	E-S	2042-2052			RHCP	
			TARS	S-E	1689-1697			Linear	
			TARS	S-E	2222-2232			RHCP	
			T&C	E-S	2025-2110			RHCP	
			T&C	S-E	2200-2290			RHCP	
<b>Current and future polar-orbiting Fengyun satellite systems</b>									
FY-1D	2004-2011	6.00	Not in use	S-E	1708.46	3M00G1D-	3	CL	3000
			Not in use	S-E	1700.4	5M00G1D	5	CR	5000
FY-3A	2008-	10.30	HRPT	S-E	1704.5	6M80G1W	6.8	CR	4200
			MPT	S-E	7775	45M0G1W	45	CR	18700
			DPT	S-E	8145.95	149MG1W	149	CR	93000
FY-3B	2010-	13.30	HRPT	S-E	1704.5	6M80G1W-	6.8	CR	4200
			MPT	S-E	7775	45M0G1W	45	CR	18700
			DPT	S-E	8145.95	149MG1W	149	CR	93000
FY-3C	201/3-	10:30	HRPT	S-E	N/A	N/A	N/A	N/A	TBD
			MPT	S-E	7780	N/A	N/A	LHCP	37400
			DPT	S-E	N/A	N/A	N/A	N/A	TBD
FY-3D	2014-	TBD	HRPT	S-E	N/A	N/A	N/A	N/A	TBD
			AHRPT	S-E	7820	N/A	N/A	RHCP	60000
			DPT	S-E	N/A	N/A	N/A	N/A	TBD