

DirecwaySatellites.xls

G11 @ 91° West

Satellite Frequency	990	1330	1350	1410	1050	1070	1370
In MHz					H		
Receive Polorization	V	H	V	H	V Transmit	V	H
Symbol Rate Msps	30	30	30	30	30	30	30
Viterbi Mode	7/8	3/4	1/2	2/3	2/3	3/4	5/6
Isolation	33	33	33	33	33	33	33
ACP	0	66	0	66	0	0	66

G10R @ 123° West

Satellite Frequency	1272
In MHz	
Receive Polorization	H
	V Transmit
Symbol Rate Msps	10
Viterbi Mode	1/2
Isolation	
ACP	

G4R @ 99° West

Satellite Frequency	1110	1250	1350	1370	1230	970	1210
In MHz							H
Receive Polorization	V	H	V	H	V	H	V Transmit
Symbol Rate Msps	30	30	30	30	30	30	30
Viterbi Mode	3/4	5/6	5/6	7/8	5/6	7/8	5/6
Isolation	30	30	30	30	30	30	30
ACP	62	62	62	62	62	62	62

G3C @ 95° West

Satellite Frequency	1120	1307	1360	1420
In MHz				
Receive Polorization	H	V	H	H
Symbol Rate Msps	21.5	30	21.5	21.5
Viterbi Mode	3/4	3/4	5/6	7/8
Isolation	32	32	32	32
ACP	64	64	64	64

SatMex 5 @ 117° West

Satellite Frequency	1250	1070	990	1090	1130	1050	1230	970	1270	1170
In MHz										
Receive Polorization	H	V	V	H	H	H	V	H	V	H
Symbol Rate Msps	30	30	30	30	30	30	30	30	30	30
Viterbi Mode	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Isolation	34	34	34	34	34	34	34	34	34	34
ACP	81	81	81	81	81	81	81	81	81	81

AMC 3 @ 87° West

Satellite Frequency	1050	1070	1150	1250	1290
In MHz					
Receive Polorization	H	V	V	H	H
Symbol Rate Msps	30	10	30	30	30
Viterbi Mode	5/6	3/4	2/3	7/8	7/8
Isolation	30	30	30	30	30
ACP	66	66	66	66	66

Satellite Frequency	Horizons 1 @ 127° West			
In MHz	1270	1390	1410	1170
Receive Polarization	V	V	H	H
Symbol Rate Msps	30	30	30	30
Viterbi Mode	5/6	5/6	5/6	5/6
Isolation	30	30	30	30
ACP	60	60	60	60

Satellite Frequency	AMC 9 @ 83° West						
In MHz	1430	1390	1410	1310	1290	1330	1370
Receive Polarization	V	V	H	V	H	H	H
Symbol Rate Msps	30	30	30	30	30	30	30
Viterbi Mode	5/6	7/8	7/8	7/8	7/8	7/8	7/8
Isolation	30	30	30	30	30	30	30
ACP	60	60	60	60	60	60	60

Satellite Frequency	IA6 @ 93° West	
In MHz	1046	
Receive Polarization	H	
Symbol Rate Msps	45	
Viterbi Mode	3/4	
Isolation	30	
ACP	60	
Freq Band	KuBand-8PSK	
DVB Mode	DVB-S2-ACM	
DVB User	0	
DVB DNCC	0	

Satellite Frequency	IA8 @ 89° West				
In MHz	1390	1150	1170	1330	1410
Receive Polarization	H	H	V	V	H
Symbol Rate Msps	30	30	30	30	30
Viterbi Mode	7/8	7/8	7/8	7/8	7/8
Isolation	30	30	30	30	30
ACP	60	60	60	60	60

Transmit Polarity is nearly always Horizontal
 Minimum signal is always SQF 31
 KU Band Modulation Type is QPSK, DVB-S (DW6000 and prior)
 Frame Mode is HDLC

Viterbi Forward Error Correction (FEC) of 1/2 means for every 2 bytes transmitted 1 byte is error correction.
 Viterbi of 7/8 means that for every 8 bytes transmitted 1 byte is error correction.
 A transponder with Viterbi 7/8 is highly reliable.
 Starting with DW7000 it is no longer required to enter Viterbi settings.