

GALAXY-28

ANALOG FORMERLY IA-8

89° West

Transponder	Uplink	Downlink	Bndwidth
K13 ABSAT	14260.0 H	11960.0 V	36 MHz
K14 ABSAT	14280.0 V	11980.0 H	36 MHz

Transponder	Uplink	Downlink	Bndwidth
K24 Hearst	14480.0 V	12180.0 H	36 MHz

GALAXY-28

DIGITAL FORMERLY IA-8

89° West

Channel	Uplink	Downlink	ABC	
			Data Rate	Bndwidth
K13S8	14270.000 H	11970.000 V	4.32 Mbps	4.00
K13S9	14275.000 H	11975.000 V	4.32 Mbps	4.00
K13D06	14270.000 H	11970.000 V	5.5 Mbps	5.00
K13D07	14275.000 H	11975.000 V	5.5 Mbps	5.00
K14S1	14264.00 V	11964.000 H	4.32 Mbps	4.00
K14S2	14268.00 V	11968.000 H	4.32 Mbps	4.00
K14S3	14272.00 V	11972.000 H	4.32 Mbps	4.00
K14S4	14276.00 V	11976.000 H	4.32 Mbps	4.00
K14S5	14280.00 V	11980.000 H	4.32 Mbps	4.00
K14S6	14284.00 V	11984.000 H	4.32 Mbps	4.00
K14S7	14288.00 V	11988.000 H	4.32 Mbps	4.00
K14S8	14292.00 V	11992.000 H	4.32 Mbps	4.00
K14S9	14296.00 V	12164.500 H	4.32 Mbps	4.00
K14D01	14265.000 V	11965.000 H	5.5 Mbps	5.00
K14D02	14270.000 V	11970.000 H	5.5 Mbps	5.00
K14D03	14275.000 V	11975.000 H	5.5 Mbps	5.00
K14D04	14280.000 V	11980.000 H	5.5 Mbps	5.00
K14D05	14285.000 V	11985.000 H	5.5 Mbps	5.00
K14D06	14290.000 V	11990.000 H	5.5 Mbps	5.00
K14D07	14295.000 V	11995.000 H	5.5 Mbps	5.00

Channel	Uplink	Downlink	ABC	
			Data Rate	Bndwidth
K14M1	14266.500 V	11966.500 H	9.720 Mbps	9.00
K14M2	14275.500 V	11975.500 H	9.720 Mbps	9.00
K14M3	14284.500 V	11984.500 H	9.720 Mbps	9.00
K14M4	14293.500 V	11993.500 H	9.720 Mbps	9.00
K14L1	14281.000 V	11981.000 H	19.886 Mbps	18.00
K14L2	14289.000 V	11989.000 H	19.886 Mbps	18.00
K24H01 Hearst	14463.750 V	12163.750 H	3.85 Mbps	3.50
K24H02 Hearst	14467.250 V	12167.250 H	3.85 Mbps	3.50
K24H03 Hearst	14470.750 V	12170.750 H	3.85 Mbps	3.50
K24H04 Hearst	14474.250 V	12174.250 H	3.85 Mbps	3.50
K24H05 Hearst	14477.750 V	12177.750 H	3.85 Mbps	3.50
K24H06 Hearst	14481.250 V	12181.250 H	3.85 Mbps	3.50
K24H07 Hearst	14484.750 V	12184.750 H	3.85 Mbps	3.50
K24H08 Hearst	14488.250 V	12188.250 H	3.85 Mbps	3.50
K24H09 Hearst	14491.750 V	12191.750 H	3.85 Mbps	3.50
K24H10 Hearst	14495.250 V	12195.250 H	3.85 Mbps	3.50

Galaxy 28 Access for ABC

(FORMERLY IA-8)

800.975.9638 or

Intelsat

Ellenwood GA - 24 hours a day

866.727.7641



ABC SD DSNG Specifications (4 mHz)

4.32 Mbps | Data Rate
 3/4 FEC | Forward Error Correction
 3.125 Msps | Symbol Rate
 QPSK | Modulation
 4:2:0 | MPEG-2 Profile

ABC SD DSNG Specifications (5 mHz)

5.5 Mbps | Data Rate
 3/4 FEC | Forward Error Correction
 3.9787 Msps | Symbol Rate
 QPSK | Modulation
 4:2:0 | MPEG-2 Profile

ABC SD DSNG Specifications (9 mHz)

9.72 Mbps | Data Rate
 3/4 FEC | Forward Error Correction
 7.0312 Msps | Symbol Rate
 QPSK | Modulation
 4:2:0 | MPEG-2 Profile

ABC HD DSNG Specifications (18 mHz)

19.886 | Data Rate
 3/4 FEC | Forward Error Correction
 14.3856 Msps | Symbol Rate
 QPSK | Modulation
 4:2:0 | MPEG-2 Profile

ABC HD DSNG Specifications (36 mHz)

38.878 | Data Rate
 3/4 FEC | Forward Error Correction
 28.125 Msps | Symbol Rate
 QPSK | Modulation
 4:2:0 | MPEG-2 Profile

GALAXY 17

ANALOG

91° West

K01	14020.0 V	11720.0 H	36 MHz
K02	14040.0 H	11740.0 V	36 MHz
K03	14060.0 V	11760.0 H	36 MHz
K04	14080.0 H	11780.0 V	36 MHz
K05	14100.0 V	11800.0 H	36 MHz
K06	14120.0 H	11820.0 V	36 MHz
K07	14140.0 V	11840.0 H	36 MHz
K08	14160.0 H	11860.0 V	36 MHz
K09	14180.0 V	11880.0 H	36 MHz
K10	14200.0 H	11900.0 V	36 MHz
K11	14220.0 V	11920.0 H	36 MHz
K12 ABSAT	14240.0 H	11940.0 V	36 MHz

K13	14260.0 V	11960.0 H	36 MHz
K14 ABSAT	14280.0 H	11980.0 V	36 MHz
K15	14303.0 V	12003.0 H	36 MHz
K16 ABSAT	14318.0 H	12018.0 V	36 MHz
K17	14338.0 V	12038.0 H	36 MHz
K18	14358.0 H	12058.0 V	36 MHz
K19	14378.0 V	12078.0 H	36 MHz
K20	14400.0 H	12100.0 V	36 MHz
K21	14420.0 V	12120.0 H	36 MHz
K22	14440.0 H	12140.0 V	36 MHz
K23	14460.0 V	12160.0 H	36 MHz
K24	14480.0 H	12180.0 V	36 MHz

GALAXY 17

DIGITAL

91° West

Channel	Uplink	Downlink	ABC Data Rate	Bndwidth
K12S1	14224.000 H	11924.000 V	4.32 Mbps	4.00
K12S2	14228.000 H	11928.000 V	4.32 Mbps	4.00
K12S3	14232.000 H	11932.000 V	4.32 Mbps	4.00
K12S4	14236.000 H	11936.000 V	4.32 Mbps	4.00
K12S5	14240.000 H	11940.000 V	4.32 Mbps	4.00
K12S6	14244.000 H	11944.000 V	4.32 Mbps	4.00
K12S7	14248.000 H	11948.000 V	4.32 Mbps	4.00
K12S8	14252.000 H	11952.000 V	4.32 Mbps	4.00
K12S9	14256.000 H	11956.000 V	4.32 Mbps	4.00
K12A	14225.000 H	11925.000 V	5.5 Mbps	5.00
K12B	14230.000 H	11930.000 V	5.5 Mbps	5.00
K12C	14235.000 H	11935.000 V	5.5 Mbps	5.00
K12D	14240.000 H	11940.000 V	5.5 Mbps	5.00
K12E	14245.000 H	11945.000 V	5.5 Mbps	5.00
K12F	14250.000 H	11950.000 V	5.5 Mbps	5.00
K12G	14255.000 H	11955.000 V	5.5 Mbps	5.00
K12M1	14226.500 H	11926.500 V	9.720 Mbps	9.00
K12M2	14235.500 H	11935.500 V	9.720 Mbps	9.00
K12M3	14244.500 H	11944.500 V	9.720 Mbps	9.00
K12M4	14253.500 H	11953.500 V	9.720 Mbps	9.00
K12L1	14231.000 H	11931.000 V	19.886 Mbps	18.00
K12L2	14249.000 H	11949.000 V	19.886 Mbps	18.00
K14S1	14264.000 H	11964.000 V	4.32 Mbps	4.00
K14S2	14268.000 H	11968.000 V	4.32 Mbps	4.00
K14S3	14272.000 H	11972.000 V	4.32 Mbps	4.00
K14S4	14276.000 H	11976.000 V	4.32 Mbps	4.00
K14S5	14280.000 H	11980.000 V	4.32 Mbps	4.00
K14S6	14284.000 H	11984.000 V	4.32 Mbps	4.00
K14S7	14288.000 H	11988.000 V	4.32 Mbps	4.00
K14S8	14292.000 H	11992.000 V	4.32 Mbps	4.00
K14S9	14296.000 H	11996.000 V	4.32 Mbps	4.00

Channel	Uplink	Downlink	ABC Data Rate	Bndwidth
K14A	14265.000 H	11965.000 V	5.5 Mbps	5.00
K14B	14270.000 H	11970.000 V	5.5 Mbps	5.00
K14C	14275.000 H	11975.000 V	5.5 Mbps	5.00
K14D	14280.000 H	11980.000 V	5.5 Mbps	5.00
K14E	14285.000 H	11985.000 V	5.5 Mbps	5.00
K14F	14290.000 H	11990.000 V	5.5 Mbps	5.00
K14G	14295.000 H	11995.000 V	5.5 Mbps	5.00
K14M1	14266.500 H	11966.500 V	9.720 Mbps	9.00
K14M2	14275.500 H	11975.500 V	9.720 Mbps	9.00
K14M3	14284.500 H	11984.500 V	9.720 Mbps	9.00
K14M4	14293.500 H	11993.500 V	9.720 Mbps	9.00
K14L1	14281.000 H	11981.000 V	19.886 Mbps	18.00
K14L2	14289.000 H	11989.000 V	19.886 Mbps	18.00
K16S1	14304.000 H	12004.000 V	4.32 Mbps	4.00
K16S2	14308.000 H	12008.000 V	4.32 Mbps	4.00
K16S3	14312.000 H	12012.000 V	4.32 Mbps	4.00
K16S4	14316.000 H	12016.000 V	4.32 Mbps	4.00
K16S5	14320.000 H	12020.000 V	4.32 Mbps	4.00
K16S6	14324.000 H	12024.000 V	4.32 Mbps	4.00
K16S7	14328.000 H	12028.000 V	4.32 Mbps	4.00
K16S8	14332.000 H	12032.000 V	4.32 Mbps	4.00
K16S9	14336.000 H	12036.000 V	4.32 Mbps	4.00
K16A	14305.000 H	12005.000 V	5.5 Mbps	5.00
K16B	14310.000 H	12010.000 V	5.5 Mbps	5.00
K16C	14315.000 H	12015.000 V	5.5 Mbps	5.00
K16D	14320.000 H	12020.000 V	5.5 Mbps	5.00
K16E	14325.000 H	12025.000 V	5.5 Mbps	5.00
K16F	14330.000 H	12030.000 V	5.5 Mbps	5.00
K16G	14335.000 H	12035.000 V	5.5 Mbps	5.00
K16M1	14306.500 H	12006.500 V	9.720 Mbps	9.00
K16M2	14315.500 H	12015.500 V	9.720 Mbps	9.00
K16M3	14324.500 H	12024.500 V	9.720 Mbps	9.00
K16M4	14333.500 H	12033.500 V	9.720 Mbps	9.00
K16L1	14311.000 H	12011.000 V	19.886 Mbps	18.00
K16L2	14329.000 H	12029.000 V	19.886 Mbps	18.00

Galaxy 17 Access for ABC

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GALAXY - 17

DIGITAL

91° West

Channel	Uplink	Downlink	Nominal Data Rate	Bndwidth
K13 Slot 1A	14244.250 V	11944.250 H	4.32 Mbps	4.00
K13 Slot 1B	14248.750 V	11948.750 H	4.32 Mbps	4.00
K13 Slot 2A	14253.250 V	11953.250 H	4.32 Mbps	4.00
K13 Slot 2B	14257.750 V	11957.750 H	4.32 Mbps	4.00
K13 Slot 3A	14262.250 V	11962.250 H	4.32 Mbps	4.00
K13 Slot 3B	14266.750 V	11966.750 H	4.32 Mbps	4.00
K13 Slot 4A	14271.250 V	11971.250 H	4.32 Mbps	4.00
K13 Slot 4B	14275.750 V	11975.750 H	4.32 Mbps	4.00
K13 5A	14245.000 V	11945.000 H	5.5 Mbps	5.00
K13 5B	14250.000 V	11950.000 H	5.5 Mbps	5.00
K13 5C	14255.000 V	11955.000 H	5.5 Mbps	5.00
K13 5D	14260.000 V	11960.000 H	5.5 Mbps	5.00
K13 5E	14265.000 V	11965.000 H	5.5 Mbps	5.00
K13 5F	14270.000 V	11970.000 H	5.5 Mbps	5.00
K13 5G	14275.000 V	11975.000 H	5.5 Mbps	5.00
K13 Slot A	14246.500 V	11946.500 H	9.720 Mbps	9.00
K13 Slot B	14255.500 V	11955.500 H	9.720 Mbps	9.00
K13 Slot C	14264.500 V	11964.500 H	9.720 Mbps	9.00
K13 Slot D	14273.500 V	11973.500 H	9.720 Mbps	9.00
K13 Lower	14251.000 V	11951.000 H	19.886 Mbps	18.00
K13 Upper	14269.000 V	11969.000 H	19.886 Mbps	18.00
K15 Slot A1	14284.250 V	11984.250 H	4.32 Mbps	4.00
K15 Slot A2	14288.750 V	11988.750 H	4.32 Mbps	4.00
K15 Slot B1	14293.250 V	11993.250 H	4.32 Mbps	4.00
K15 Slot B2	14297.750 V	11997.750 H	4.32 Mbps	4.00
K15 Slot C1	14302.250 V	12002.250 H	4.32 Mbps	4.00
K15 Slot C2	14306.750 V	12006.750 H	4.32 Mbps	4.00
K15 Slot D1	14311.250 V	12011.250 H	4.32 Mbps	4.00
K15 Slot D2	14315.750 V	12015.750 H	4.32 Mbps	4.00
K15 5A	14285.000 V	11985.000 H	5.5 Mbps	5.00
K15 5B	14290.000 V	11990.000 H	5.5 Mbps	5.00
K15 5C	14295.000 V	11995.000 H	5.5 Mbps	5.00
K15 5D	14300.000 V	12000.000 H	5.5 Mbps	5.00
K15 5E	14305.000 V	12005.000 H	5.5 Mbps	5.00
K15 5F	14310.000 V	12010.000 H	5.5 Mbps	5.00
K15 5G	14315.000 V	12015.000 H	5.5 Mbps	5.00
K15 Slot A	14286.500 V	11986.500 H	9.720 Mbps	9.00
K15 Slot B	14295.500 V	11995.500 H	9.720 Mbps	9.00
K15 Slot C	14304.500 V	12004.500 H	9.720 Mbps	9.00
K15 Slot D	14313.500 V	12013.500 H	9.720 Mbps	9.00
K15 Lower	14291.000 V	11991.000 H	19.886 Mbps	18.00
K15 Upper	14309.000 V	12009.000 H	19.886 Mbps	18.00
K19 Slot A1	14364.250 V	12064.250 H	4.32 Mbps	4.00
K19 Slot A2	14368.750 V	12068.750 H	4.32 Mbps	4.00
K19 Slot B1	14373.250 V	12073.250 H	4.32 Mbps	4.00
K19 Slot B2	14377.750 V	12077.750 H	4.32 Mbps	4.00
K19 Slot C1	14382.250 V	12082.250 H	4.32 Mbps	4.00
K19 Slot C2	14386.750 V	12086.750 H	4.32 Mbps	4.00
K19 Slot D1	14391.250 V	12091.250 H	4.32 Mbps	4.00
K19 Slot D2	14395.750 V	12095.750 H	4.32 Mbps	4.00

Channel	Uplink	Downlink	Nominal Data Rate	Bndwidth
K19 5A	14365.000 V	12065.000 H	5.5 Mbps	5.00
K19 5B	14370.000 V	12070.000 H	5.5 Mbps	5.00
K19 5C	14375.000 V	12075.000 H	5.5 Mbps	5.00
K19 5D	14380.000 V	12080.000 H	5.5 Mbps	5.00
K19 5E	14385.000 V	12085.000 H	5.5 Mbps	5.00
K19 5F	14390.000 V	12090.000 H	5.5 Mbps	5.00
K19 5G	14395.000 V	12095.000 H	5.5 Mbps	5.00
K19 Slot A	14366.500 V	12066.500 H	6.1113 Mbps	9.00
K19 Slot B	14375.500 V	12075.500 H	6.1113 Mbps	9.00
K19 Slot C	14384.500 V	12084.500 H	6.1113 Mbps	9.00
K19 Slot D	14393.500 V	12093.500 H	6.1113 Mbps	9.00
K19 Lower	14371.000 V	12071.000 H	19.886 Mbps	18.00
K19 Upper	14389.000 V	12089.000 H	19.886 Mbps	18.00
K20 5A	14384.500 H	12084.500 V	5.5 Mbps	5.00
K20 5B	14389.500 H	12089.500 V	5.5 Mbps	5.00
K20 5C	14394.500 H	12094.500 V	5.5 Mbps	5.00
K20 5D	14399.500 H	12099.500 V	5.5 Mbps	5.00
K20 5E	14404.500 H	12104.500 V	5.5 Mbps	5.00
K20 5F	14409.500 H	12109.500 V	5.5 Mbps	5.00
K20 5G	14414.500 H	12114.500 V	5.5 Mbps	5.00
K20 Slot A	14386.500 H	12086.500 V	9.720 Mbps	9.00
K20 Slot B	14395.500 H	12095.500 V	9.720 Mbps	9.00
K20 Slot C	14404.500 H	12104.500 V	9.720 Mbps	9.00
K20 Slot D	14413.500 H	12113.500 V	9.720 Mbps	9.00
K20 Lower	14391.000 H	12091.000 V	19.886 Mbps	18.00
K20 Upper	14409.000 H	12109.000 V	19.886 Mbps	18.00
K22 Slot 5	14449.000 H	12149.000 V	5.5 Mbps	5.00
K22 Slot 6	14455.000 H	12155.000 V	5.5 Mbps	5.00
K22 Slot D	14453.500 H	12153.500 V	9.720 Mbps	9.00
K24 Slot A1	14464.250 H	12164.250 V	4.32 Mbps	4.00
K24 Slot A2	14468.750 H	12168.750 V	4.32 Mbps	4.00
K24 Slot B1	14472.250 H	12172.250 V	4.32 Mbps	4.00
K24 Slot B2	14477.750 H	12177.750 V	4.32 Mbps	4.00
K24 Slot C1	14480.250 H	12180.250 V	4.32 Mbps	4.00
K24 Slot C2	14484.750 H	12184.750 V	4.32 Mbps	4.00
K24 Slot D1	14488.250 H	12188.250 V	4.32 Mbps	4.00
K24 Slot D2	14492.750 H	12192.750 V	4.32 Mbps	4.00
K24 5A	14465.000 H	12165.000 V	5.5 Mbps	5.00
K24 5B	14470.000 H	12170.000 V	5.5 Mbps	5.00
K24 5C	14475.000 H	12175.000 V	5.5 Mbps	5.00
K24 5D	14480.000 H	12180.000 V	5.5 Mbps	5.00
K24 5E	14485.000 H	12185.000 V	5.5 Mbps	5.00
K24 5F	14490.000 H	12190.000 V	5.5 Mbps	5.00
K24 5G	14495.000 H	12195.000 V	5.5 Mbps	5.00
K24 Slot A	14466.500 H	12166.500 V	9.720 Mbps	9.00
K24 Slot B	14475.500 H	12175.500 V	9.720 Mbps	9.00
K24 Slot C	14484.500 H	12184.500 V	9.720 Mbps	9.00
K24 Slot D	14493.500 H	12193.500 V	9.720 Mbps	9.00
K24 Lower	14471.000 H	12171.000 V	19.886 Mbps	18.00
K24 Upper	14489.000 H	12189.000 V	19.886 Mbps	18.00

Galaxy 17 Access for ABC

Intelsat

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866.727.7641



ABC SD DSNG Specifications

5.5 Mbps | Data Rate
 3/4 FEC | Forward Error Correction
 3.9787 Msps | Symbol Rate
 QPSK | Modulation
 4:2:0 | MPEG-2 Profile

ABSAT Satellite Access Procedures

Uplinks accessing ABSAT satellite inventory should follow these guidelines...

PRE-ACCESS CHECKS

1. Double check the upconverter's center frequency.
2. Double check the transmit Polarity.
3. Double check the digital encoder for the proper data rate, FEC and transmit frequency.
4. For analog transmissions, double check the modulator's deviation (half, full, etc.)

ACCESS PROCEDURES

1. Call the appropriate access center listed below.
 - *Intelsat - Ellenwood for all Galaxy, SBS and former PanAmSat satellites*
 - *SES Americom for all AMC satellites*



800.975.9638

866.727.7641



AMC 9 only

800.255.6122

AMC 5, AMC 2

800.772.2363

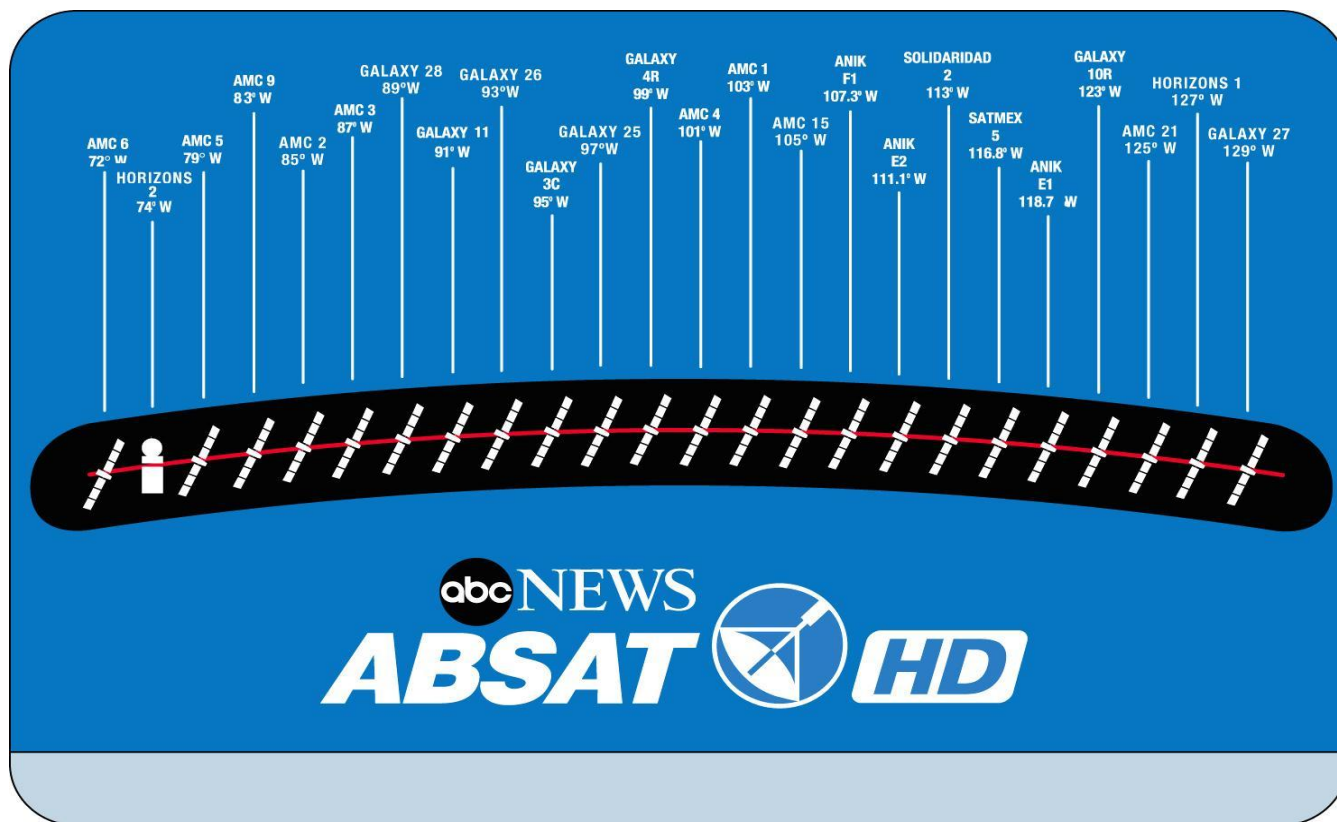


AMC 15

877.358.2263

2. Say your name and your company or call letters.
3. Identify which satellite and transponder/channel you would like to access.
4. Listen for the access operator to confirm frequency and transmit polarity.
Check once again that your settings are correct before you transmit.
5. For digital transmissions, you can come up with a **modulated carrier** if you wish.
You can also come up at your **nominal transmit power** for a digital feed.
6. For **analog** transmissions, you **MUST** come up with **clean carrier** at low power.
7. Once the access operator has checked your cross pole, for analog you will be asked to modulate. For digital signals, you will be told you are good to start your feed.
8. Double check that you can see your return signal at your uplink site.
9. Once your feed is completed, you DO NOT need to call the access center with a goodnight for ABSAT transmissions.

These procedures should be followed for every transmission. ABSAT strives to provide a quick, efficient and interference-free service for our stations. We must have your help and attention to detail to do this.



Satellite Arc Updated Feb 2008

TECH SUPPORT

Tiernan Radyne Comstream
San Diego CA

858.805.7000

tiernan-custservice@radn.com

Immeon Communications
Carlsbad CA

800.925.4662

888.272.7232

Bram Flynn Associates
Dallas TX

214.353.0770

Wegener Communications
Duluth GA

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