

TECHNICAL INFORMATION BULLETIN

Subject: Transition to New Satellite at 118.7°W Orbital Location

Products Affected: All DISH Network receivers receiving programming from 118.7°W orbital location

A new satellite, ANIK F3, was recently launched into the 118.7°W orbital location. All programming at 118.7°W will be moved from the current satellite to ANIK F3. Compared to the current satellite, ANIK F3 has a greater number of transponders and different transponder frequencies. As a result, satellite testing and the programming transition between these satellites will cause some temporary programming outages and require some additional receiver measures to account for these satellite differences which are explained below.

Programming outages:

- During the week prior to the transition (planned for the week of April 22), transponder testing will cause some of the 118.7°W channels to be off-air for a few hours (12am-3am Mountain Time (MT)).
- On the night of the actual programming transition between satellites (expected to occur between April 29 and May 1), **all** 118.7°W channels will be off-air for a few hours (12:45am-3am MT).
- During these outages, 118.7°W channels will display Attention 030 "This is a special event which is not available for purchase" and will display "Off-Air" in the Program Guide.
- Following the transition, all 118.7° channels will be available for viewing and have Program Guide information restored.

Residential Installations:

- Current download software for all models that currently support 118.7°W except the DP721 seamlessly supports ANIK F3 at 118.7°W following the transition. Software updates for the DP721 are in progress; this bulletin will be updated when this software update is available.
- For receivers that do not have the current download software, current software must be downloaded and a check switch test must be successfully run displaying "118" in the Installation Summary screen before programming from 118.7°W can be received.
- Factory software for some models (software versions that begin with "0") may not include ANIK F3 support. If a check switch test is run on factory software that does not include ANIK F3 support, the Installation Summary screen will display an "X" rather than "118". If this occurs, download current software, and then run another check switch.

Commercial MDU (QAM) Installations:

- For MDUs with transmodulators tuned to the 118.7°W orbital location, reset the frequency on the transmodulators to reflect what is listed in Table 1. The modulation, symbol rate, and FEC are changing from 26 Msym QPSK 1/2 FEC to 20 Msym QPSK 2/3 FEC for all transports used by these transmodulators.
- In markets with HD locals provided by 118.7°W and where the HD locals are provided by the commercial system, only the transponder frequency of the transmodulator needs to be re-tuned to reflect what is in Table 1. The modulation type, symbol rate, and FEC for the HD local transponders are not changing with the transition to ANIK F3.
- All QAM receiver models (3750, DP811 in QAM mode, DP351, and Q-Box compatible receivers) will need to be manually rescanned after the changes to the transmodulators are complete.

Table 1. MDU Transmodulator Frequency for Permanent 118.7° Satellite (ANIK F3)

ANIK F3 Frequency Plan—Legacy			
Transponder	13/18V (Legacy) Polarization	Ku-Band	L-Band
1	R	11714.75	964.75
2	L	11727.75	977.75
3	R	11745.25	995.25
4	L	11758.25	1008.25
5	R	11775.75	1025.75
6	L	11788.75	1038.75
7	R	11806.25	1056.25
8	L	11819.25	1069.25
9	R	11836.75	1086.75
10	L	11849.75	1099.75
11	R	11867.25	1117.25
12	L	11880.25	1130.25
13	R	11897.75	1147.75
14	L	11910.75	1160.75
15	R	11928.25	1178.25
16	L	11941.25	1191.25
17	R	11958.75	1208.75
18	L	11971.75	1221.75
19	R	11989.25	1239.25
20	L	12002.25	1252.25
21	R	12019.75	1269.75
22	L	12032.75	1282.75
23	R	12050.25	1300.25
24	L	12063.25	1313.25
25	R	12080.75	1330.75
26	L	12093.75	1343.75
27	R	12111.25	1361.25
28	L	12124.25	1374.25
29	R	12141.75	1391.75
30	L	12154.75	1404.75
31	R	12172.25	1422.25
32	L	12185.25	1435.25

ANIK F3 Frequency Plan—DISH Pro/DISH Pro Plus (Bandstacked)			
Transponder	Bandstacked Polarization	Ku-Band	L-Band
1	H/R	11714.75	964.75
2	V/L	11727.75	2122.25
3	H/R	11745.25	995.25
4	V/L	11758.25	2091.75
5	H/R	11775.75	1025.75
6	V/L	11788.75	2061.25
7	H/R	11806.25	1056.25
8	V/L	11819.25	2030.75
9	H/R	11836.75	1086.75
10	V/L	11849.75	2000.25
11	H/R	11867.25	1117.25
12	V/L	11880.25	1969.75
13	H/R	11897.75	1147.75
14	V/L	11910.75	1939.25
15	H/R	11928.25	1178.25
16	V/L	11941.25	1908.75
17	H/R	11958.75	1208.75
18	V/L	11971.75	1878.25
19	H/R	11989.25	1239.25
20	V/L	12002.25	1847.75
21	H/R	12019.75	1269.75
22	V/L	12032.75	1817.25
23	H/R	12050.25	1300.25
24	V/L	12063.25	1786.75
25	H/R	12080.75	1330.75
26	V/L	12093.75	1756.25
27	H/R	12111.25	1361.25
28	V/L	12124.25	1725.75
29	H/R	12141.75	1391.75
30	V/L	12154.75	1695.25
31	H/R	12172.25	1422.25
32	V/L	12185.25	1664.75