

KVH Technical Bulletin

Date: March 21, 2016

Subject: DISH Network Satellites Upgraded to 8PSK Modulation

Products Affected TracVision® L3,C3, S3, R1DX, R4, R5, R4SL, R5SL, and R6DX

Problem Description DISH Network® has converted their satellite transmission signals from QPSK modulation to a more efficient 8PSK format. This newer format improves the customer experience by providing more high-definition programming and additional content. The new format is not compatible with many older DISH Network receivers, and impacts the ability of some older KVH antenna systems to identify and track DISH Network satellites.

IMPORTANT! KVH's latest generation of TracVision products (RV1 and A9) are fully compatible with 8PSK format. There is a work around to force the antenna to track the 119 satellite only but is cumbersome and not suggested.

Suggested replacement antennas

<b>Stationary Antennas</b>	C3, S3, R4, R4SL	Winegard G2+ or KVH RV1
<b>In Motion</b>	L3, R5, R5SL	Winegard T4 or KVH RV1
	R1	KVH RV1