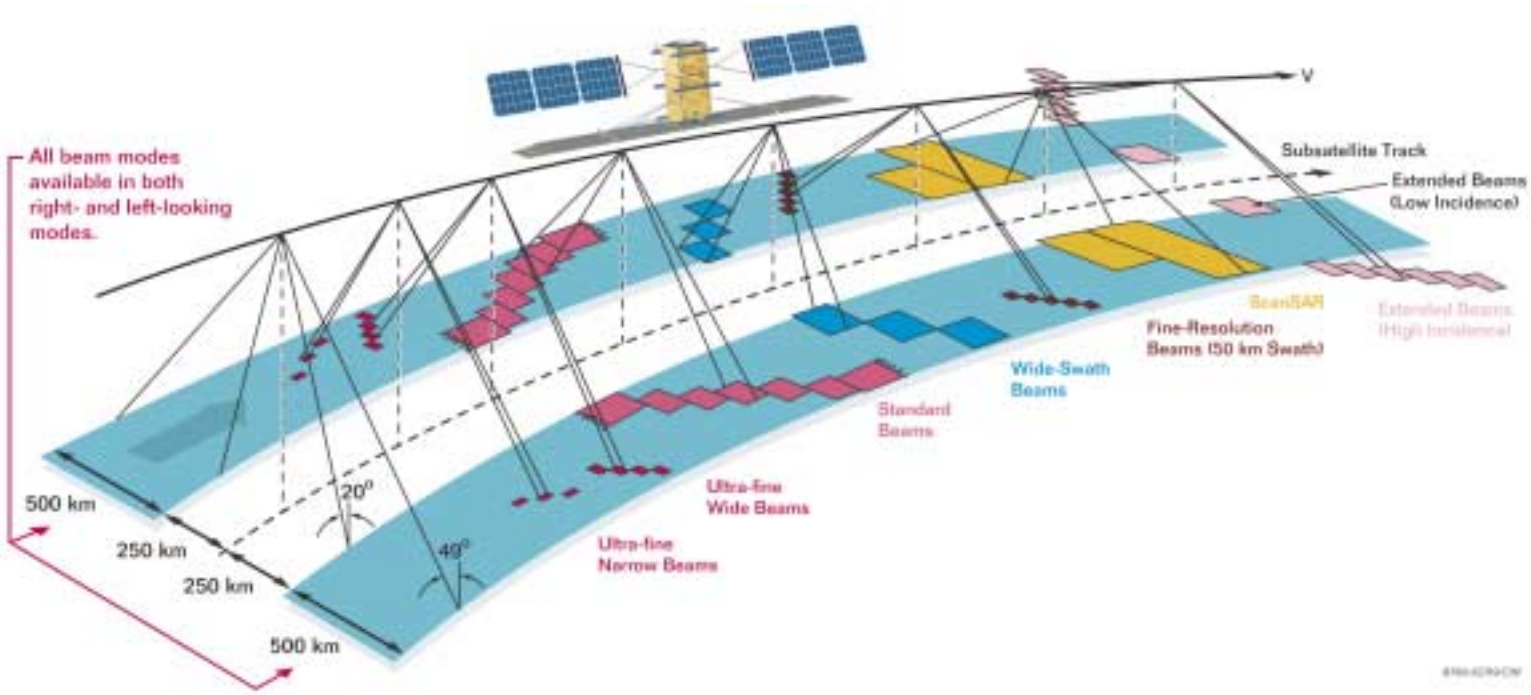

Operating in C-band (5.4 GHz), RADARSAT-2 ensures continuity of all existing RADARSAT-1 beam modes, while offering powerful new capabilities ranging from major improvements in resolution to full flexibility in the selection of polarization options. (© MDA)

Beam Mode		Approximate Incidence Angle	Nominal Swath Width	Swath Coverage to left or right of ground track	Approximate Resolution GND Rg x Az
SELECTIVE POLARIZATION transmit H or V receive H and/or V	Fine	36˚ - 48˚	50 km	525 - 750 km	10 x 9 m
	Standard	20˚ - 49˚	100 km	250 - 750 km	25 x 28 m
	Low Incidence	16.5˚	170 km	125 - 300 km	40 x 28 m
	High Incidence	49˚ - 60˚	80 km	750 - 1000 km	20 x 28 m
	Wide	20˚ - 45˚	150 km	250 - 650 km	25 x 28 m
	ScanSAR Narrow	20˚ - 47˚	300 km	250 - 720 km	50 x 50 m
	ScanSAR Wide	20˚ - 47˚	500 km	250 - 750 km	100 x 100 m
POLARIMETRIC transmit H and V on alternate pulses receive H and V on any pulse	Fine Quad-pol	30˚ - 41˚	25 - 50 km	400 - 600 km	11 x 9 m
	Standard Quad-pol	20˚ - 41˚	25 - 50 km	250 - 600 km	25 x 28 m
SELECTIVE SINGLE POLARIZATION transmit H or V receive H or V	Ultra-Fine Narrow	30˚ - 40˚	10 km	400 - 550 km	3 x 3m
	Utra-Fine Wide	30˚ - 40˚	25 km	400 - 550 km	3 x 3m
	Triple Fine	30˚ - 49˚	50 km	400 - 750 km	11 x 9 m