

VERIFICATION TESTS – LOOKUP TABLE

The following table summarizes the different testing that is required from antennas accessing the SES fleet, depending on their size and the band they operate in. For detailed information please write to antenna.registration@ses.com.

Diameter		Required measurements					
		G/T	PTLU*	Xpol isolation	RX gain	RX patterns	TX patterns**
C-band	$D \leq 3.8\text{m}$		✓				
	$3.8\text{m} < D \leq 7.1\text{m}$	✓	✓	✓			
	$D > 7.1\text{m}$	✓	✓	✓	✓	✓	✓
Ku- and Ka-band	$D \leq 3.8\text{m}$		✓				✓***
	$3.8\text{m} < D < 4.5\text{m}$	✓	✓	✓			✓***
	$D \geq 4.5\text{m}$	✓	✓	✓	✓	✓	✓

* Pre-Transmission Line-up (PTLU) tests are only required from stations accessing full transponders on saturation. They shall be performed at the earth station without access to the satellite and at maximum specified EIRP.

** Transmit antenna patterns will be coordinated and processed by SES on a best-effort basis.

*** Transmit antenna patterns for Ku-band stations larger than 3.6m but smaller than 4.5m are required only if they operate in the BSS band.