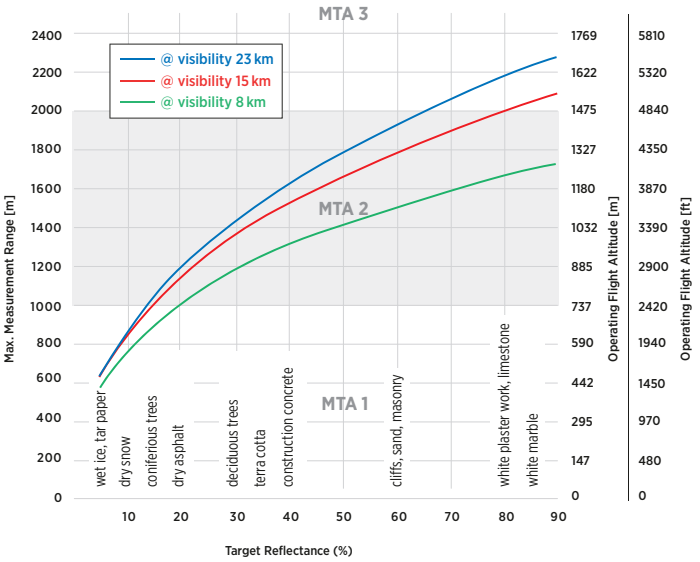
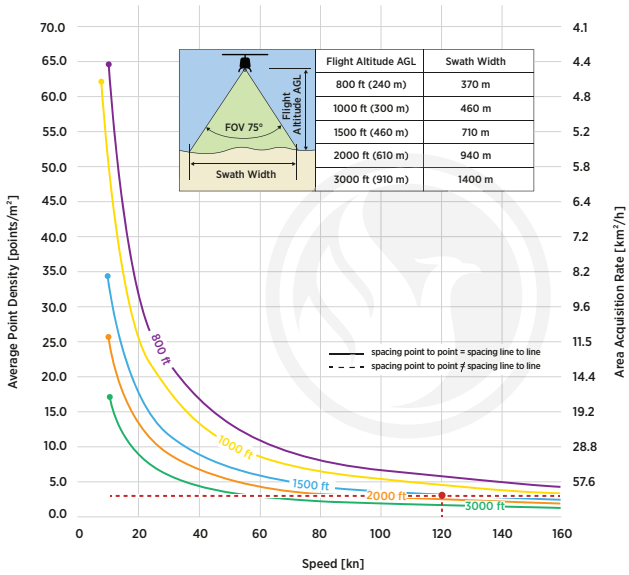
MAX MEASUREMENT RANGE & POINT DENSITY RIEGL VUX®-240

PRR = 150kHz

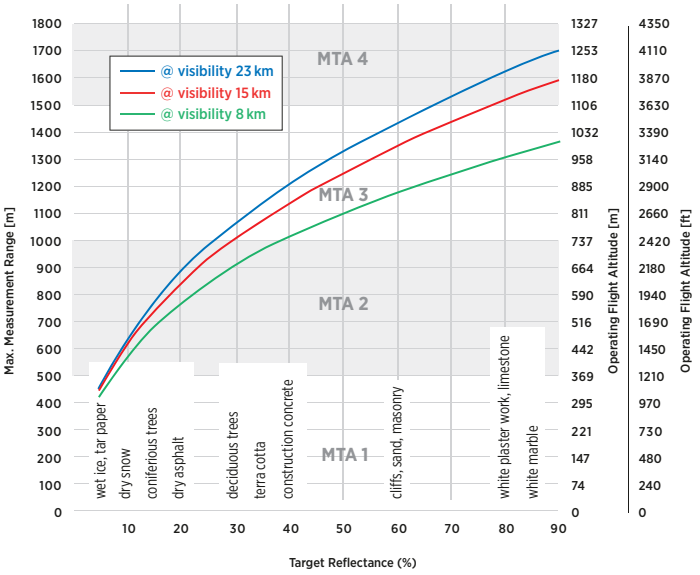


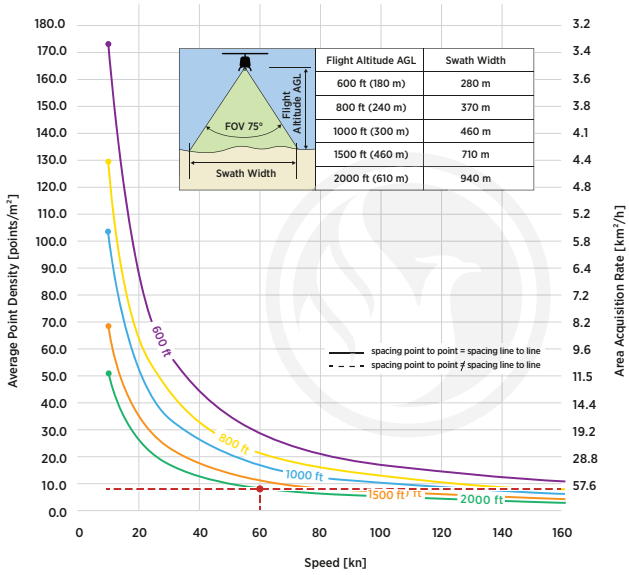


Flight Altitude AGL	Swath Width
800 ft (240 m)	370 m
1000 ft (300 m)	460 m
1500 ft (460 m)	710 m
2000 ft (610 m)	940 m
3000 ft (910 m)	1400 m

EXAMPLE	VUX-240 at 150,000 pulses/sec, laser power level 100% Altitude = 1,500 ft. AGL, Speed 120kn	RESULTS	Point Density — 3 pts/m²

PRR = 300kHz





Flight Altitude AGL	Swath Width
600 ft (180 m)	280 m
800 ft (240 m)	370 m
1000 ft (300 m)	460 m
1500 ft (460 m)	710 m
2000 ft (610 m)	940 m

EXAMPLE	VUX-240 at 300,000 pulses/sec, laser power level 100% Altitude = 2,000 ft. AGL, Speed 60kn	RESULTS	Point Density — 9 pts/m²

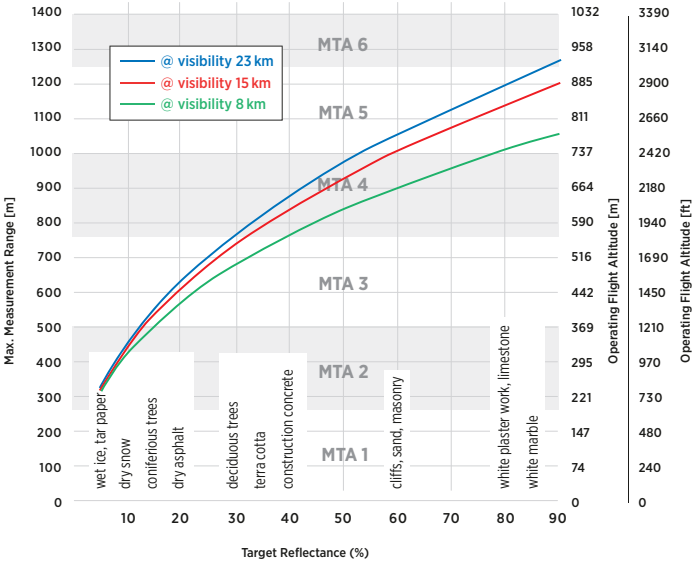
The following conditions are assumed for the Operating Flight Altitude AGL:

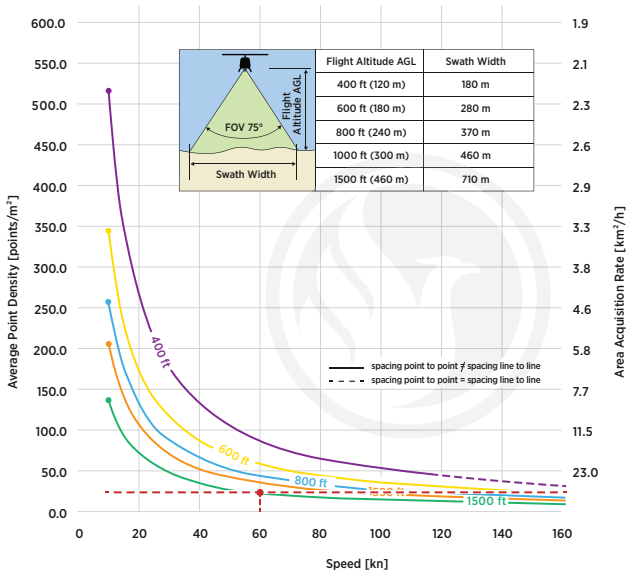
- ambiguity resolved by multiple-time-around (MTA) processing & flight planning
- target size ≥ laser footprint
- average ambient brightness
- operating flight altitued given at a FOV of +/-45°

Source: RIEGL Laser Measurement Systems. All specifications are subject to change without notice

MAX MEASUREMENT RANGE & POINT DENSITY RIEGL VUX®-240

PRR = 600kHz

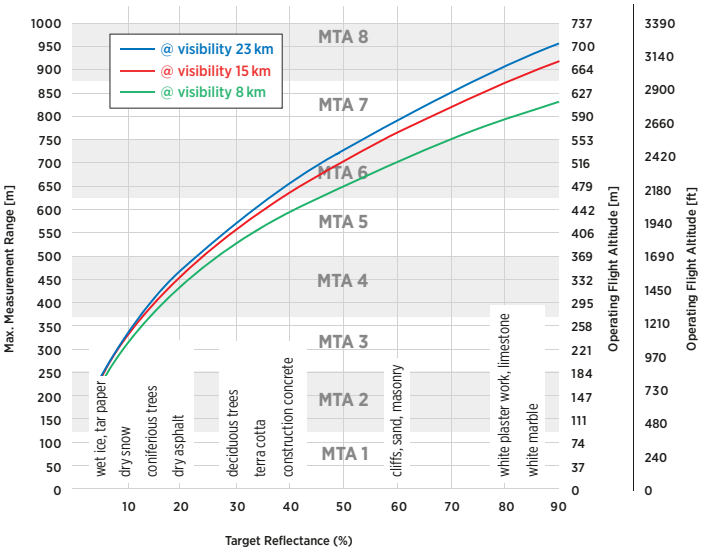


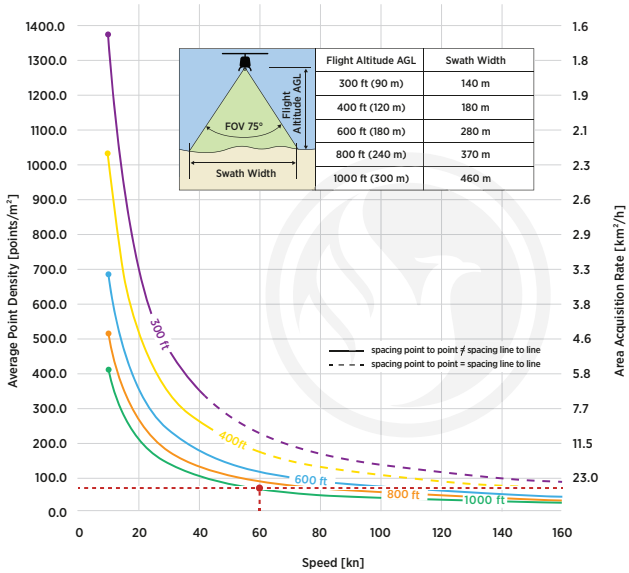


Flight Altitude AGL	Swath Width
400 ft (120 m)	180 m
600 ft (180 m)	280 m
800 ft (240 m)	370 m
1000 ft (300 m)	460 m
1500 ft (460 m)	710 m

EXAMPLE	VUX-240 at 600,000 pulses/sec, laser power level 100% Altitude = 1,500 ft. AGL, Speed 60kn	RESULTS	Point Density — 22 pts/m²

PRR = 1200kHz





Flight Altitude AGL	Swath Width
300 ft (90 m)	140 m
400 ft (120 m)	180 m
600 ft (180 m)	280 m
800 ft (240 m)	370 m
1000 ft (300 m)	460 m

EXAMPLE	VUX-240 at 1,200,000 pulses/sec, laser power level 100% Altitude = 1,000 ft. AGL, Speed 60kn	RESULTS	Point Density — 60 pts/m²

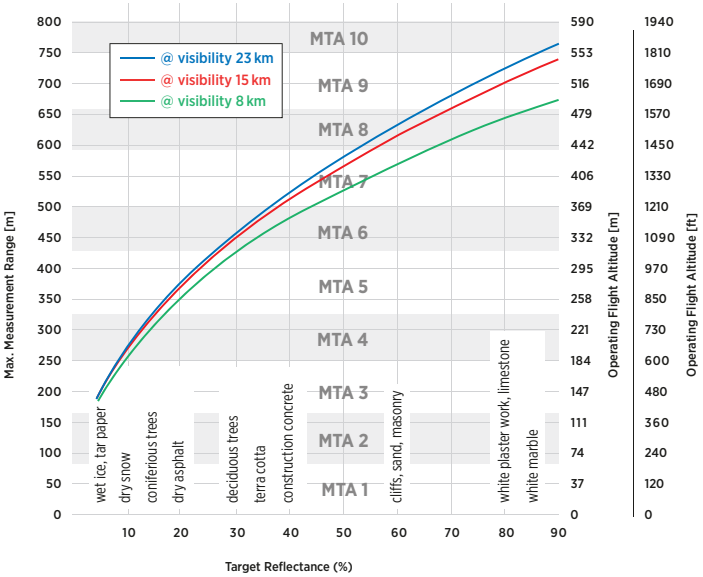
The following conditions are assumed for the Operating Flight Altitude AGL:

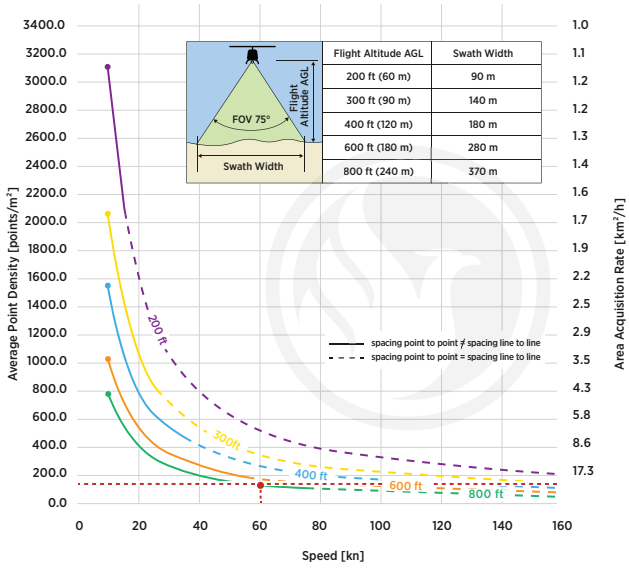
- ambiguity resolved by multiple-time-around (MTA) processing & flight planning
- target size ≥ laser footprint
- average ambient brightness
- operating flight altitued given at a FOV of +/-45°

Source: RIEGL Laser Measurement Systems. All specifications are subject to change without notice

MAX MEASUREMENT RANGE & POINT DENSITY RIEGL VUX®-240

PRR = 1800kHz





Flight Altitude AGL	Swath Width
200 ft (60 m)	90 m
300 ft (90 m)	140 m
400 ft (120 m)	180 m
600 ft (180 m)	280 m
800 ft (240 m)	370 m

EXAMPLE	VUX-240 at 600,000 pulses/sec, laser power level 100% Altitude = 1,800,000 ft. AGL, Speed 60kn	RESULTS	Point Density — 120 pts/m²

The following conditions are assumed for the Operating Flight Altitude AGL:

- ambiguity resolved by multiple-time-around (MTA) processing & flight planning
- target size ≥ laser footprint
- average ambient brightness
- operating flight altitued given at a FOV of +/-45°

Source: RIEGL Laser Measurement Systems. All specifications are subject to change without notice