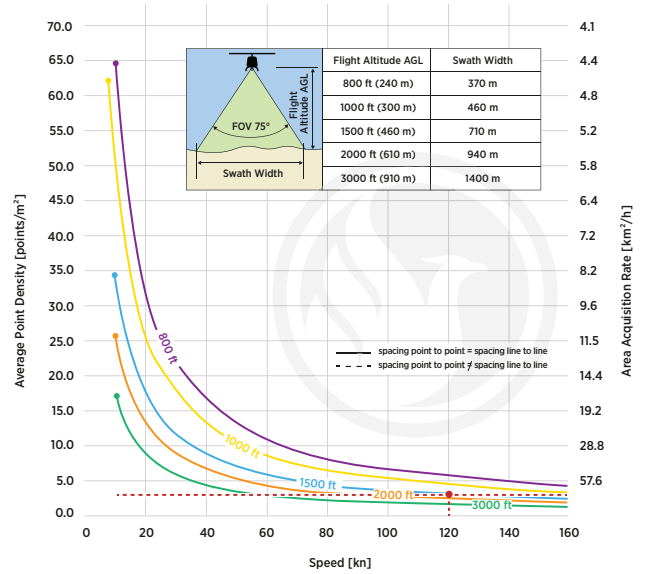
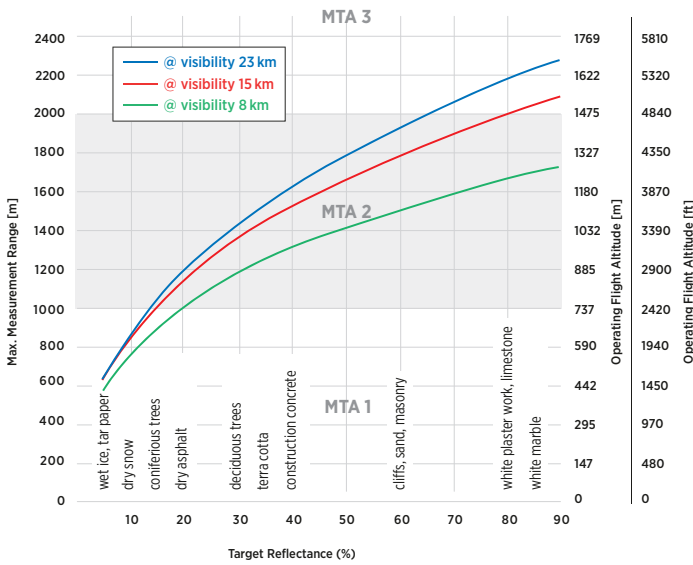


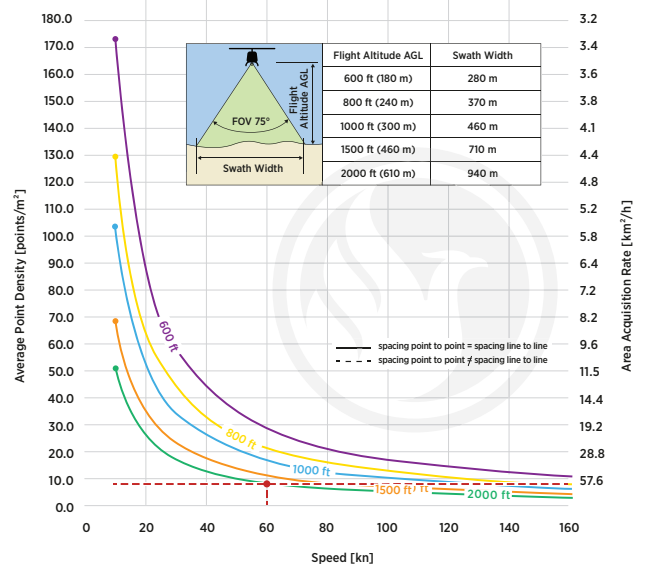
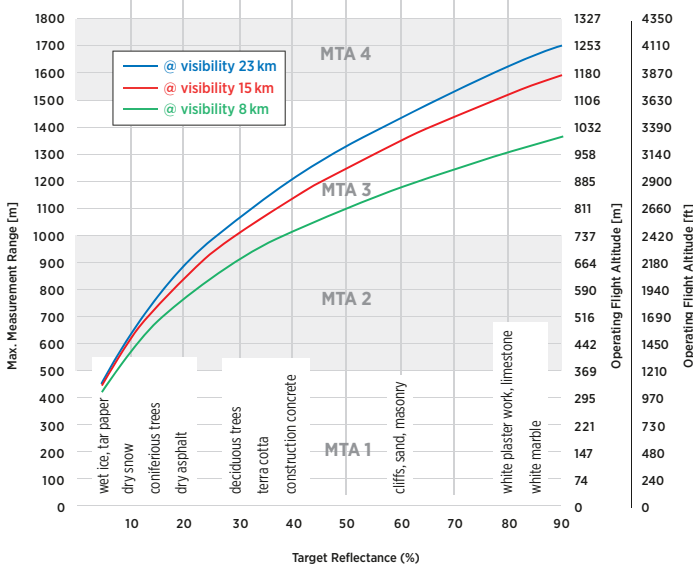
MAX MEASUREMENT RANGE & POINT DENSITY RIEGL VUX®-240

PRR = 150kHz



EXAMPLE	VUX-240 at 150,000 pulses/sec, laser power level 100% Altitude = 1,500 ft. AGL, Speed 120kn	RESULTS	Point Density – 3 pts/m ²
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PRR = 300kHz



EXAMPLE	VUX-240 at 300,000 pulses/sec, laser power level 100% Altitude = 2,000 ft. AGL, Speed 60kn	RESULTS	Point Density – 9 pts/m ²
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The following conditions are assumed for the Operating Flight Altitude AGL:

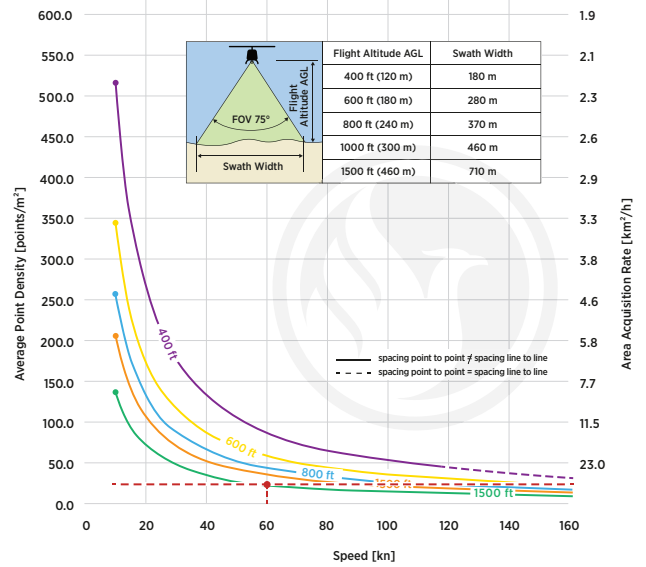
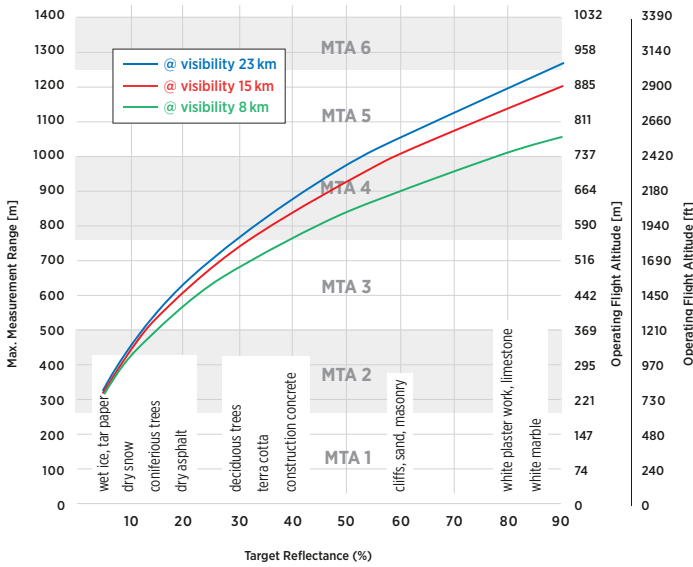
- ambiguity resolved by multiple-time-around (MTA) processing & flight planning
- target size ≥ laser footprint
- average ambient brightness
- operating flight altituded given at a FOV of +/-45°

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



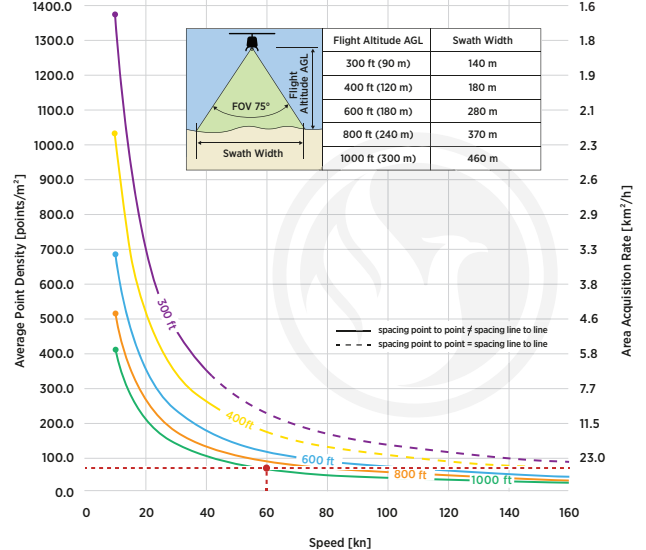
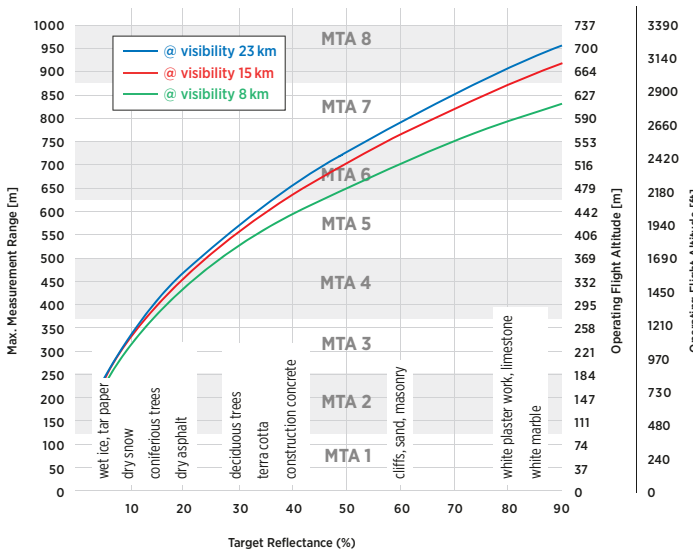
MAX MEASUREMENT RANGE & POINT DENSITY RIEGL VUX®-240

PRR = 600kHz



EXAMPLE	VUX-240 at 600,000 pulses/sec, laser power level 100% Altitude = 1,500 ft. AGL, Speed 60kn	RESULTS	Point Density — 22 pts/m ²
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PRR = 1200kHz



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/m ²
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The following conditions are assumed for the Operating Flight Altitude AGL:

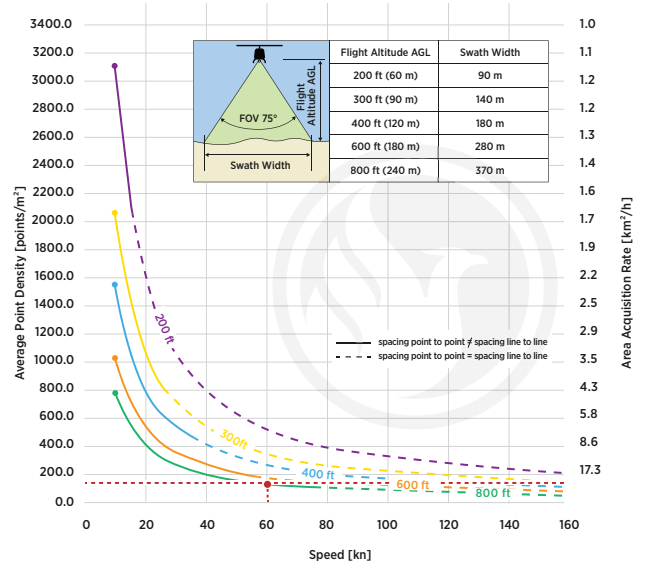
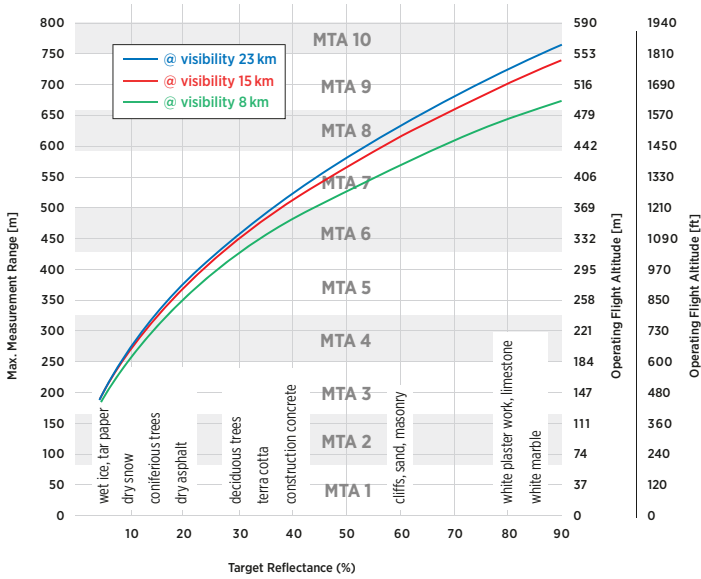
- ambiguity resolved by multiple-time-around (MTA) processing & flight planning
- target size ≥ laser footprint
- average ambient brightness
- operating flight altituded given at a FOV of +/-45°

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



MAX MEASUREMENT RANGE & POINT DENSITY RIEGL VUX®-240

PRR = 1800kHz



EXAMPLE	RESULTS
VUX-240 at 600,000 pulses/sec, laser power level 100% Altitude = 1,800,000 ft. AGL, Speed 60kn	Point Density – 120 pts/m ²

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 altituded given at a FOV of +/-45°

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