Anschütz SST
Solid-State Transceivers.

ANSCHÜTZ

Solid-State Transceivers for Navigation Radars

The Anschütz SST Network Radar Transceivers offer superior target detection in all environmental conditions. The new radars represent a radical departure from technical convention, using solid-state transmitters with a low-power RF architecture.

Key Benefits

- Fully coherent compact design of the transceiver, gearbox and antenna ensures high reliability
- Digital signal generation and processing enables distribution of a high-fidelity raw radar video to bridge workstations
- Using LAN instead of coaxial cables and interswitches significantly reduce cabling and provide cost benefits
- Drastically reduced maintenance (solid-state transmitters, no magnetron) results in reduced life cycle costs

Technical Data

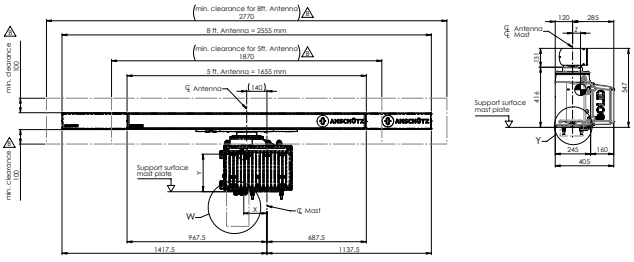
Performance data of transceivers and scanners:

	X-Band Scanner 5 foot	8 foot	S-Band Scanner 14 foot
Antenna Type	Slotted antenna	Slotted antenna	Slotted antenna
Horizontal beam-width	1.5°	0.95°	1.9°
Vertical beam-width	23°	21°	20° ... 25°
Side-lobe attenuation within ±10°	>29 dB	>29 dB	>25 dB
Side-lobe attenuation outside ±10°	>35 dB	>35 dB	>33 dB
Polarization	Horizontal	Horizontal	Horizontal
Antenna gain	28 dBi	30 dB	26.5 dBi
Frequency band	9300...9500 MHz	9300...9500 MHz	2,9...3,1 GHz
Max. permissible peak transmission power	80 kW	80 kW	80 kW

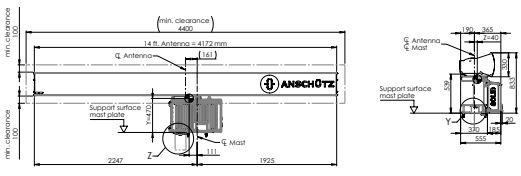
	X-Band Transceiver	S-Band Transceiver
Peak power	100 W	200 W
Frequency	Up to 8 channels with 20 MHz spacing in the rage of 9300...9500 MHz	8 channels with 20 MH spacing in the rage of 2900...3100 MHz

	X-Band Motor	S-Band Motor
Supply Voltage	230V AC	230V AC
Frequency	50Hz or 60Hz	50 Hz
Phase	1	1
Power Consumption	70W (0.8A)	900W (5.5A)
RPM	24	23

Anschütz SST X-Band
5ft swing circle = 1690 | 8ft swing circle = 2590



Anschütz SST S-Band
14ft swing circle = 4300



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