


**RAD - RADAR X-SECTION TABLE EXTRACT**

PLATFORM DESIG	PLATFORM NAME	RF Band	RCS [dBsm]	RCS [m2]	RCS [ft2]		COMMENTS
1L117M	Radar	Centimetric		1.000000			Target range RCS 1 sq/m at 500 m 70 km
1L117M	Radar	Centimetric		1.000000			Target range RCS 1 sq/m at 3,000 m 140 km
1L117M	Radar	Centimetric		1.000000			Target range RCS 1 sq/m at 5,000 – 15,000 m 180 km
1L117M	Radar	Centimetric		10.000000			Coordinates measurement accuracy target RCS 10 sq/m Range 150 m
1L117M	Radar	Centimetric		10.000000			Coordinates measurement accuracy target RCS 10 sq/m Azimuth 7 angle/min
1L117M	Radar	Centimetric		10.000000			Coordinates measurement accuracy target RCS 10 sq/m Altitude 400 m
39N6E Kasta-2E2	Radar	Decimetric		2.000000			Target detection range km, antenna height 14/50 m RCS 2 sq/m target at 100 m 41/55
39N6E Kasta-2E2	Radar	Decimetric		1.000000			Target detection range km, antenna height 14/50 m RCS 2 sq/m target at 1,000 m 95/95
55Zh6UE Nebo-UE	Radar	Metric		0.900000			Hypersonic cruise missile RCS 0.9 sq/m at 10,000 m 250 km
55Zh6UE Nebo-UE	Radar	Metric		0.900000			Hypersonic cruise missile RCS 0.9 sq/m at 20,000 m 300 km
55Zh6UE Nebo-UE	Radar	Metric		2.500000			Fighter type target at 500 m 65 km
55Zh6UE Nebo-UE	Radar	Metric		2.500000			Fighter type target at 10,000 m 310 km
55Zh6UE Nebo-UE	Radar	Metric		2.500000			Fighter type target at 20,000 m 480 km
5V27	S-T25M1			0.200000			Offered for sale May/June 2005 at Minsk Defence Exhibition
64N6E (83M6E)	Radar			0.100000			Ballistic missiles RCS 0.1 sq/m V max 950 m/sec 110 km
64N6E (83M6E)	Radar			0.200000			Aerodynamic targets max target designation range strategic cruise RCS 0.2 sq/m 160.4 km
64N6E (83M6E)	Radar			0.240000			Aerodynamic targets max target designation range multi-role aircraft RCS 0.24 sq/m 263 km
64N6E (83M6E)	Radar			0.400000			Ballistic missiles RCS 0.4 sq/m V max 1,800 m/sec 127 km
64N6E (83M6E)	Radar			0.400000			Ballistic missiles RCS 0.4 sq/m V max 2,800 m/sec 113 km
64N6E (83M6E)	Radar			4.000000			Aerodynamic targets max target designation range strategic aircraft RCS >4 sq/m 280 km
67N6E Gamma-DE	Radar	Decimetric		0.100000			Target acquisition range, km RCS 0.1 sq/m up to 240 km
67N6E Gamma-DE	Radar	Decimetric		0.130000			Target detection range ERA = 0.13 m/sq ISR 220 km
67N6E Gamma-DE	Radar	Decimetric		0.130000			Target detection range ERA = 0.13 m/sq ISA 250 km
67N6E Gamma-DE	Radar	Decimetric		1.000000			Target detection range ERA = 1.0 m/sq ISR 330 km
67N6E Gamma-DE	Radar	Decimetric		1.000000			Target detection range ERA = 1.0 m/sq ISA 360 km
67N6E Gamma-DE	Radar	Decimetric		1.000000			Target acquisition range, km RCS 1 sq/m up to 400 km
76N6	Radar			0.020000			90 km (target at 500 m altitude - up to 0.02 m/sq RCS, up to 740 m/s velocity)
76N6	Radar			0.020000			120 km (target at 1,000 m altitude - up to 0.02 m/sq RCS, up to 740 m/s velocity)
EXTRACTED FROM MAIN RAD RADAR X-SECTION DATA TABLES							