



**Figure R69** RCS pattern of B-26 bomber in the horizontal plane: (a) at wavelength 10 cm; (b) at 3 to 5m (from Leonov, 1988, Fig. 1.2, p. 10).

**Table R9**  
**Median Aircraft RCS**

(for various classes and aspect regions, values in m<sup>2</sup>)

Class	Aspect	VHF 0.03-0.3	UHF 0.3-1.0	L 1-2	S 2-4	C 4-8	X 8-12
Large, heavy bomber or 707, DC-8, size jet	Nose			32	40	10-40	28
	Tail			15/63	250		25/500
	Broad Av		11	550/500	500		300/300
Medium attack bomber, 727, DC-9, size jet	Nose	60/100	1.2/20/30	6/10/20			4
	Tail	100	6	20	20		
	Broad Av	300	200	300	280	12	800
Small fighter or four-passenger jet	Nose	10	6	0.3-7.5	0.2-9.5	0.7-2	1.2
	Tail	10	3	2	0.6-15		
	Broad Av			5-90	35-300		20/30/65
				0.7/1.3	1.3/2		1.3/5

(from Nathanson, 1969, Table 5-3, p. 159)

**Table R10**  
**Nose-on RCS of Aircraft**

Designation	Name	RCS (m <sup>2</sup> )
Aero 500	Aero Commander	6.5
B-1A	prototype	10
B-1B		1
B-26		100
B-29	Super Fortress	100
B-47	Stratojet	16
B-47		60
B-52	Strato Fortress	125
B-57B	Canberra	10
707	Boeing 707	32
707	at UHF	10
707	at L-band	25
707	at S-band	40
707	at C-band	50
707	at X-band	60
727	Boeing 727	10
727	(broadside)	125
720, 727	Boeing 720, 727	25
737	Boeing 737	3
737	Boeing 737	600
Britannia	Bristol Britannia	25
C-54		60
C-121	Constellation	100
C-130	Hercules	80
	Caravelle	16
	Comet	40
	Cessna 180	1.5
	Cessna 310B	4
240, 340, 440	Convair Metropolitan	40
DC-3	Dakota	20
DC-8		32
DC-9		25
F-1/FJ	Sabre	5
F-4	Phantom	10
F-9F	Cougar	12.5
F-27	Fokker Friendship	25
F-86	Sabre	5
F-104	Starfighter	5
IL-28	Beagle	8
	Javelin	8
	Lamps	25
L-1011	(broadside)	49
Mig-21	Fishbed	4
P-3A	Orion	80
P-3B	Orion	95
T-38		1
TU-16	Badger	25
TU-20	Bison	40
TU-95	Bear	125
	Viscount	16

(from Morchin, 1993, Table 4.1, p. 111).