

## AIR DEFENSE VEHICLE THREAT GUIDE - OPFOR - AN/ALR-69(V), AN/ALR-56M

SAM	RWR		HARM		ALIC		SA/ EWR	Tracking	Min Rng/ Alt	Typical Engagement	Max Range/ Alt	ECM	CM
	S A	F C	S A	F C	S A	F C							
SA-2	---	2	2A	2T	402	202	Spoon Rest	Fan Song E/ F	4nm/ 300ft	15nm/ 230,000ft	38nm/ 230,000ft	E12-F9nm	Med
SA-3	F	3	F	3T	403	203	Flat Face	Low Blow	2.7nm/ 150ft	9nm/ 120,000ft	11nm/ 12,000ft	6nm	Med
SA-4	L	4	4A	4T	404	204	Long Track	Pat Hand	4nm/ 500ft	18nm/ 80,000ft	22nm/ 80,000ft	14nm	Med
SA-5	B B	5 ---	5A 5A	5T ---	405 ---	205 ---	Bar Lock Odd Group	Square Pair ---	7nm/ 1,000ft	53nm/ 327,000ft	190nm/ 327,000ft	26nm	Med
SA-6	F	6	F	6T	403	206	Flat Face	Straight Flush	2nm/ 550ft	10nm/ 101,500ft	20nm/ 101,500ft	4nm HOJ	Med
HN-5A								Rear Aspect IR	0nm/ 60ft	1.6nm/ 8,000ft	2nm/ 10,500ft	N/A	Very High
SA-7								Rear Aspect IR	0.2nm/ 50ft	1.5nm/ 5,000ft	2nm/ 12,000ft	N/A	Very High
SA-8	---	8	---	8T	---	608	---	OB Land Roll	0.8nm/ 80ft	4nm/ 16,000ft	8.5nm/ 50,000ft	14nm	Med
SA-9	O	---	D	---	609	---	Dog Ear	Rear Aspect IR	0.3nm/ 50ft	2nm/ 14,500ft	3.2nm/ 14,500ft	N/A	Very High
SA-10	10	10	10A	10T	410	210	Big Bird	Flap Lid	3nm/ 60ft	48nm/ 276,000ft	54nm/ 276,000ft	36nm HOJ	No Effect
SA-11	D	11	11A	11T	411	211	Snow Drift	OB Fire Dome	1.6nm/ 180ft	12nm/ 90,000ft	20nm/ 90,000ft	19nm HOJ	Very Low
SA-13 ∞	O	---	D	---	609	---	Dog Ear	OB Snap Shot/ IR	0.1nm/ 30ft	2nm/ 9,000ft	5nm/ 26,800ft	4nm	Very Low
SA-14								All Aspect IR	0nm/ 50ft	1.6nm/ 10,000ft	3nm/ 12,100ft	N/A	High
SA-15	---	15/M	---	15T	---	615	---	OB Scrum Half	0.5nm/ 35ft	6.5nm/ 20,000ft	7nm/ 42,500ft	13nm	Med
SA-16								All Aspect IR	0.2nm/ 60ft	3nm/ 10,000ft	3.5nm/ 19,400ft	N/A	Very Low
SA-17	D	17	17A	17T	417	217	Snow Drift	OB Chair Back	1.6nm/ 140ft	17nm/ 79,000ft	19nm/ 79,000ft	30nm HOJ	No Effect
SA-19/ 2S6 ∞	---	A	---	19T	---	619	---	OB Hot Shot/ IR	0nm/ 0ft	6.5nm/ 10,200ft	5.7nm/ 33,000ft	7nm HOJ	Med

AAA	RWR		HARM		ALIC		SA/ EWR	Tracking	Min Rng/ Alt	Typical Engagement	Max Range/ Alt	Caliber	CM
	S A	F C	S A	F C	S A	F C							
KS-12		A/S	---	AAA	---	692		Fire Can/ Optical	0nm/ 2,000ft	5nm/ 28,000ft	5nm/ 28,000ft	85mm Flak	Med
KS-19		A/S	---	AAA	---	692		Fire Can/ Optical	0nm/ 2,000ft	5nm/ 33,500ft	5nm/ 33,500ft	100mm Flak	Med
S-60		A/S	---	AAA	---	692		Fire Can/ Optical	0nm/ 2,000ft	3nm/ 20,900ft	3nm/ 20,900ft	57mm Flak	Med
M-1939								Optical	0nm/ 2,000ft	1.3nm/ 8,600ft	1.3nm/ 8,600ft	37mm Flak	No Effect
M-1992		A	---	---	---	---		OB Gun Dish	0nm/ 0ft	2.5nm/ 10,000ft	2.5nm/ 14,000ft	30mm	Med
ZU-23								Optical	0nm/ 0ft	2.0nm/ 9,900ft	2.0nm/ 9,900ft	23mm	No Effect
ZPU-2								Optical	0nm/ 0ft	1.8nm/ 9,800ft	1.5nm/ 9,800ft	14.5mm	No Effect
ZSU-23-4	O	A	---	---	---	---	Dog Ear	OB Gun Dish	0nm/ 0ft	2nm/ 10,000ft	3nm/ 16,000ft	23mm	Med
ZSU-57-2								Optical	0nm/ 2,000ft	3nm/ 20,800ft	3nm/ 20,800ft	57mm Flak	No Effect

A/S Alternating A and S flashing on RWR

HOJ Home on jam

OB On board radar

15/M Alternating 15 and M Flashing on RWR

∞ Impossible to evade/ drag missile