

RANGE ( km )			FREQUENCY RANGE / WT	CHANNEL AVAIL SPACING		POWER OUTPUT (W)	POWER SUPPLY	BATTERY LIFE HRS ( 1 : 9 )	ANTENNA	NOTES	
334	Ground 8 km 20 km @ 100 ft 40 km @ 500 ft 80 km @ 5000 ft 160 km @ 20,000 ft		225-399.95 MHz 7.58 kg	3500	50 kHz	4	4 AHC 24V	11.5 Beacon 3	Battle Discone 8m mast	1. Ranges are subjective, be pessimistic to be safe. 2. Long range HF surface wave requires good TX sites.	
349		Whip 0.5m Rolling 2.0 Wooded 1.2 Urban 0.3	Whip 1.0m 2.8 2.8 0.5	37-46.975 MHz 1.4 kg	400	25 kHz	0.22	12V	24	0.5m Whip 1.0m Whip	3. Min mast spacing 10m (HF-HF-VHF-VHF)
350		Whip 1.2m Rolling 5-7 Wooded 3-5 Urban 1.5-5	Wire 1.2m 5-7 3-5 1.5-5	36-56.975 MHz 3 kg	840	24 kHz	2	15V	12	1.2m Whip 1.2m Wire GSA 1.2m Veh mount	4. NVIS: Near vertical incidence skywave. (V short range: >0) 5. VHF Freq Interference: Not <5% value of highest freq. Not 2 * freq. Not F +/- 19.375 MHz
351		Manpack Rolling 10-14 Rolling bad 3-7 Urban 4	Veh 17 17 5-17	30-75.975 MHz 6.24 kg	1840	25 kHz	4	4 AHC 24V	1.1 AHC-5 4 AHC-18	1.2m whip 1.2m Wire GSA 2m Veh GMM Mast ants	6. Propagation: Skywave Groundwave Surfacewave Spacewave Direct Wave → Ground reflected Wave
352		GSA Rolling 16-20 Rolling bad 8-12 Urban <6	Veh 30 <30 5-20	30-75.975 MHz 7.33 kg	1840	25 kHz	20 Only if ant with coax used	4 AHC 24V	1.1 AHC-2 4 AHC-9	1.2m Whip 1.2m Wire GSA 2m Veh GMM Mast ants	
353	2m EVHF	32 60		30-75.975 MHz	1840	25 kHz	50 max	2 * 12V 24/28V		2m Veh GMM Mast ants	
320	2.4m Vert Rad (USB) Veh whip Dipole	30 (SSB) 30-50 30 (SSB) NVIS - 250+		2.0-29.9999 MHz 11 kg		100 Hz	PEP HP LP SSB 30 3 CW 30 3 AM 30 3	4 AHC 24V 1.1 AHC + H/Gen	1.1 AHC+ H/Gen No limit 4 AHC-12	2.4m Whip 2-4m Veh Vert Rad End-fed Dipole	
321	Vert Rad Veh Whip Dipole	50 (SSB) 50 NVIS-1000+		1.5-29.9999 MHz		100 Hz	HP LP SSB 40 6 CW 30 5 AM 30 5	2 * 12V 24/28V		2-4 Veh Vert Rad End-fed Dipole	
322	4m Dipole	80+ NVIS-1000+		1.5-29.9999 MHz		100 Hz	HP LP SSB 300 40 CW 250 30 AM 250 30	2 * 12V 24/28V via 50A PSU		2-4 Veh Vert Rad End-fed Dipole	