



. 1.

“EPLRS” AN/VSQ-2(V)1

“EPLRS” “EPLRS”

“FBCB-2”,

“EPLRS”

“EPLRS”,

“FBCB-2”,

“EPLRS”

“EPLRS”

(Enhanced Position Location Reporting –

)

()

“FBCB-2” (Force XXI Battle

Command Brigade or Below –




) [8].

“EPLRS”




“HARRIS”. . 1

1,2



58 / ,

	RF-7800S-TR, HARRIS ()	RF-7850S SPR (Secure Personal Radio), HARRIS ()	RF-7850M-VS501 (50W) HARRIS ()
			
	25,500 1,2 256 /	25 ; 1,2 , 5 (1 /) -	8,33 (AM), 12,5 () 25 , 75
	350 – 450	225 – 2,0	30 108
	6 VOX PTT ;		
	IP 256 / , USB,		
	FSK GMSK	FSK, PSK	FSK/TCM, GMSK/QPSK
	2	3,2	5, 20, 50
	: 2-3 : up to 1 , / : 800	: 3-5	: 5-70
	(ECCM)		
GPS	256- Citadel™, AES (Advanced Encryption Standard) 256-		
MANET/ AdHOC/MESH	-	Mobile Ad-Hoc networking	Mobile Ad-Hoc networking
	USB (, - / , RNDIS), RS-232; : SMA	GPS 6-pin , 11-pin ADF (), USB 2.0, RS-232, USB	GPS 6-pin 11-pin ADF (), USB 2.0, RS-232, USB




	“ - ” (AN/TSC-154)	AN/PSC-5“SPITFIRE”	RF-7800B BGAN
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	“ - ” (AN/TSC-154)	AN/PSC-5“SPITFIRE”	RF-7800B BGAN
			
	MILSTAR-1, MILSTAR-2, FEP; UFO,	MILSTAR-2,	MILSTAR-2, Inmarsat
	43,5-45,5 ; 20,2-21,2	- 30.000–87.995 MHz; - 108.000–129.995 MHz; - 130.000–148.995 MHz; - 156.000–173.995 MHz; - 225.000–399.995 MHz.	45,5-47,5 ; 38,2-39,2
	1,37	0,35	0,45
	(DAMA - Demand Assigned Multiple Access)	"SATCOM", "SINGGARS", "HAVEQUICK II", "DAMA"	"SATCOM", "SINGGARS", "HAVEQUICK II", "DAMA"
	256; 512; 1024; 4096 / ; 1,544 /	56 /	2 / .
	30	8	3



3



		AN/GRC-226(V) ()	AN/GRC-245(V) ()
			
		225-400; 1350-1850	225-400; 1350-1850
	/	256-2048	256-8192
		125	125
		0,5-10	1
		25-30	25-40

4




	KG-275 (Cisco,)	TP-LMSW-10 OPT01-08-	TSEC / KY-68 DSVT
			
	21 56	12-32	21 56
	30	UTP cable (10Base-T, 100Base-TX): 100 m MM optical cable, full duplex: 2 km, SM optical cable, full duplex: 10, 30, 50, 80 or 120 km	1,5
	100		16; 32 /
	IEEE 802.3 Ethernet, 10/100/1000 Base (RJ-45).	IEEE 802.3 10Base-T, 802.3u 100Base-TX a 100Base-FX H323 (SIP1, Call Manager1)	
	8,9x43,8x39,4	576 x 305 x 335 mm (W x D x H), 795 x 518 x 393 mm including transporting box	
	13,6	7,4	4,3

(. 2),

	-438 ()	-439- ()
		
	-1; - 1 ; ;	-1; - 1 ; ;
	RS-232C, C1- -	RS-232C, C1- -
	5,86; 3,635.	5,85-5,886; 5,760-5,770; 3,4725-3,5413; 3,4725-3,4825
	0,49	1,2
	25	130
	1200 – 2400 /	1,2; 2,4; 4,8; 9,6; 48 /
	5	16
	17	132,5

	-430 -1 ()	-419 1 ()
		
	390-645 ; 1500-2100	390-645 ; 1550-1850
	2 x 2048 /	150 /
	125	100; 1000
	2-8	5-16
	40 (400)	40 (400)

1. Бовда Е. М. Концептуальні основи синтезу автоматизованої системи управління зв'язком військового призначення [Текст] / Е.М. Бовда, Ю.А. Плугувий, В.А. Романюк // Зб. наук. пр. ВІТІ. – К., 2016. – № 1. – С. 6-18.

	NetXpert NXI-3030 ()	-205, ()	FlexGain Access VoiceCom 81 ()
			
	GMP, TRUNK, Port Mirroring, QoS, VLAN, ACL	1-	802.1Q (VLAN Tagging), 802.1P (Priority Tag)
:	IEEE 802.3 Ethernet 2x1000BaseSFP, 2 100BaseFX 8 100BaseTX (RJ-45).	IEEE 802.3 Ethernet(RJ- 45), 10/100	1x10/100BaseTX RJ-45
	24	12/24	12/220
		2,4; 4,8; 9,6; 16; 32 48 /	
	42,9x21,4x37,2	26,4x15,2x22,6	24,0 17,0 15,0
	16,2	7,4	1,3

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ANALYSIS OF THE STATE AND DIRECTIONS OF THE DEVELOPMENT OF THE COMMUNICATION SYSTEM OF THE TACTICAL LEVEL OF ARMY MANAGEMENT OF USA AND RF

O.M. Ischenko, A.V. Shyshatskyi

The article considers the current state and prospects of the development of communications systems of the armed forces of the Russian Federation and the USA. The basic means of radio, radio relay, satellite and wire communication are considered. The ways of further development of communication facilities of technically developed countries of the world are determined.

Keywords: means of communication, telecommunication systems, satellite communications, wire communication.