

2022 CSVHFS Conference Antenna Range Results

CALL	#El	Com	HB	NOTES	Measured	Corrected
					Gain	Gain
144 MHz						
						Gain in dBd
N1TH	7		*	Yaguao 3 loop/linear	2.0	9.2
KCOP/R	6		*	Cheap Yagi #2 (144.2)	1.2	8.4
KCOP/R	6		*	Cheap Yagi #1 (146.52)	0.9	8.1
KOXL	4	*		Cushcraft(Gamma match)	0.5	7.7
N0UK	4	*		Cushcraft 124WB (Factory setting)	0.1	7.3
Reference Antenna	4		*	Cheap Yagi	***	7.2
WA2VOI	4		*	222 MHz cheap yagi (off freq)	-20.0	-10.6
WA2VOI	6		*	432 MHz cheap yagi (off freq)	-30.0	-22.6
222 MHz						
						Gain in dBd
Referenca Antenna	13		*	K1FO design (40/0)	***	13.2
N4PZ	11		*	VK5DJ Dual Antenna (222/432)	-1.0	12.2
N0UK	6		*	Cheap Yagi	-2.5	10.7
KCOP	10		*	Cheap Yagi	-3.0	10.2
432 MHz						
						Gain in dBd
KOXL	6		*	Cheap Yagi #1 w/dielectric straws	-6.3	8.4
KOXL	6		*	Cheap Yagi #1 w/o dielectric straws	-6.0	8.7
VE3WY	7		*	OCF Yagi	-4.8	10.0
KOXL	6		*	Cheap Yagi #3 "center feed"	-4.5	10.3
N0UK	8		*	Cheap Yagi	-4.0	10.8
Reference Antenna	17		*	K1FO design (40/0)	***	14.2
N4PZ	18		*	VK5DJ Dual Antenna (222/432)	2.0	15.8
WA5VJB	11	*		11-el TVC log periodic(470-900 MHz) Broken feed -no test possible		
902 MHz						
						Gain in dBi
KB0Z		*		Log periodic	2.4	12.1
Reference Antenna						9.7
WA5VJB		*		TRW Omni-Conical Log Sprial	-5.1	4.6
WA5VJB		*		Special (Xenia) Log Periodic	-7.1	2.6
KCOP/R	2		*	902 Double Quad	-12.2	-2.5

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1296 MHz						Gain in dBi
Reference Antenna						12.1
KBOZ		*		Log Periodic	-3.2	8.9
KOKFC			*	"Coffee Can" Horn	-3.9	8.2
KOKFC	16		*	Yagi (Modified)	-4.7	7.4
WA5VJB		*		Military Sprial Log Periodic	-7.4	4.7
WA5VJB		*		TRW Omni-Conical Log Sprial	-9.5	2.1
KCOP/R			*	Double Quad	-12.6	-0.5
5.7 GHz						Gain in dBi
Reference Antenna						22.1
WA5VJB		*		TRW Omni-Conical Log Sprial	-18.0	11.1
KA9VDU			*	N9IYV design horn	-11.2	10.9
WA5VJB		*		"Ridged Horn"	-11.4	10.7
KA9VDU			*	Chapparl Horn (VE4MA)	-14.7	7.7
WA5VJB		*		Vivaldi no reflector	-15.1	7.0
WA5VJB		*		Vivaldi with reflector	-15.2	6.9
Alex-non ham		*		PCB (Black) Log Periodic	-17.0	5.1
Alex-non ham		*		PCB (Green) Log Periodic	-17.0	5.1
WA5VJB		*		"Compressed" Log Periodic	-18.0	4.6
WA5VJB		*		TRW Omni-Conical Log Sprial	-17.5	4.6
WA5VJB		*		"Big Wheel" Omni	-22.0	0.1
10.3 GHz						Gain in dBi
Reference Antenna						22.5
				35" Prime focus dish w/VE4MA feed		
KA9VDU				Feed moved 1" toward Disk)	-0.2	22.3
KA9VDU				35" Prime focus dish w/VE4MA feed	-4.6	17.9
WA5VJB		*		"Ridged Horn"	-9.5	13
KA9VDU		*		Solafan Horn	-101.0	12.4
KA9VDU			*	Homebrew Horn	-10.8	11.7
WA5VJB		*		Vivaldi no reflector	-15.2	7.3
WA5VJB		*		Vivaldi with reflector	-15.5	7.0
KA9VDU			*	N9IYV Horn	16.5	6.0
WA5VJB				"Compressed" Log Periodic	-17.2	5.3
WA5VJB		*		TRW Omni-Conical Log Sprial	-17.3	5.2
Alex-non ham		*		PCB (Black) Log Periodic	<0	0.0
Alex-non ham		*		PCB (Green) Log Periodic	<0	0.0