Comparisons of AM Reception - August 24, 2024

Frequency	Station	HD	Location	DX-286	AR-1780	PL-320	PL-380	PL-310ET	C Crane	Grundig G8
560	KLZ	HD	Denver	5	5	5	5	5	5	- 5
590	KCSJ		Pueblo	2	3	2	2	1	1	1
600	KCOL		Wellington	3	3	3	3	3	3	3
630	KHOW		Denver	5	5	5	5	5	5	5
650	KGAB		Cheyenne, WY	4	4	4	4	4	4	4
670	KLTT		Commerce City	5	5	5	5	5	5	5
710	KNUS	-	Denver	5	5	5	5	5	5	5
730	KLOE		Goodland, KS	1	2	2	0.5	0.5	1	C
740	KVOR		Colorado Springs	3	4	4	3	3		3
760	KDFD		Thornton (Denver)	5	5	5		5	5	5
780	KJME		Fountain (C.S.)	1	1	1	0.5	0.5	1	0.5
790	KXXX		Colby, KS	0.5	0.5	1	0.5			0.5
810	KLVZ		Brighton (Denver)	5	5	5		5		
830	spurious									
850	КОА		Denver (old I-A)	5	5	5	5	5	5	5
870	KJMP		Pierce (Greeley)	2	2		2	2		1
910	KPOF		Denver	5	5		5			
930	KRKY		Granby (Grand Co.)	0	0		0	0		
	KKSE		Parker-Denver	5	5			-		
990	KRKS		Denver	5	5	5	5			
1010	KSIR		Brush (Ft. Morgan)	2	3			1	2	
1010	KPPF		Monument (C.S.)	2	2			1		
1040	KRCN		Longmont	4	5			4		
1000	КМХА		Aurora	5	5		5	5		
1120	KCRN		Limon	4	4	4	4	4		
1120	KNRV		Englewood (Denver)	5	5			5		-
1130	KJJD		Windsor (Longmont)	3	3		3			
1190	KVCU		Boulder	3	3		3			
1190	KUCO		Denver	5	5					5
1220	KEDC KRDO/KFBC			0.5	1		0.5	0		
1240	KBNO		Colorado Springs+Cheyenne,WY Denver	0.5	5	-	0.5	5		
1280	KCSF		Colorado Springs	0.5	1	0.5	0.5	0.5	-	
	KFKA		·	-						
	KDCO		Greeley	3	3		3			
			Denver	5	5	5		5		
1360	KHNC	_	Johnstown (Loveland)							
1390	KGNU		Denver	5	5 5					
1430	KAMP		Aurora	5			-			
1450	KGRE		Greeley	0.5	0.5					
1460	KZNT		Colorado Springs	0						
1490	KCFC		Boulder	3	3			2		
1510	KPLS		Littleton (Denver)	5	5					-
1530	KQSC		Colorado Springs	1	1					
1550	KKCL		Golden (on STA)	0				-	-	
1570	KXJJ		Loveland	0.5						
1580	KFCS	_	Colorado Springs	0.5						
1600	KEPN	_	Lakewood (Denver)	4	4		4			
1630	KVAM		Fox Farm (Cheyenne), WY	0	0					
1650	KBJD		Denver	5	5		5			
1690	KDMT	_	Arvada (Denver)	4	4	4	4	4	4	4
			Total (est. error ± 3)	150	157	158	145.5	144	150	144.5

Comparisons of AM Reception - August 24, 2024

			Average	3.1	3.3	3.3	3.0	3.0	3.1	3.0	
	Quality is ranked on a scale of 15. "0.5" means there was a trace of a signal but nothing										
	that would be	cons	sidered truly audible.								
Quality Scale											
1	Very noisy but	lable		A lower average may be better, indicating that the unit is picking							
2	A little less noi		up more faint signals. On the other hand, a lower average								
3	Readable with some noise				may also indicate that the unit is not picking up some stations						
4	A small amount of noise, otherwise strong				as well as other units are doing. Ultimately, the "average" may						
5	Quiet, strong local signal				either have	e contradio	ctory mea	anings, or no	t mean ve	ry much at	
					all. I'm leav	ving the av	verage fig	ure in but th	e "Total" n	nay mean	
Additional	Notes:				the most.						
Audio banc	lwidth of 3 kHz ι	used	, except for the Tecsun PL-3	20, wher	re a 3.5 kH	z bandw	idth was	s used.			
Internal an	tennas ("barefo	ot" (operation) was used for all r	adios.							
Readings w	ere taken from	1 to	3 pm on August 24, 2024. Th	nere were	e no thund	lerstorm	s in the	area at the	time.		
The Digitec	h AR-1780 was t	the r	eceiver with the least noise	on empt	y channels	s. The Qo	dosen [DX-286 had			
more noise	on empty chan	nels	, but this could be due to ma	ore aggre	essive AGC	or other	factors				
The DX-286	makes a ticking	g noi	se with signals of quality <=	3. This g	goes away	if you tu	rn the d	isplay off			
by pressing	1 and 3 at the s	ame	e time. (Repeat to turn displa	ay back o	on.)						
The PL-310	ET's headphone	e jac	k wasn't entirely compatible	e with a 1	FRRS plug.	I could §	get it to	work but th	ne plug w	as then	
not seated	firmly.										
Observed v	variability in sig	nal	evaluation may have severa	al causes	s:						
1. Changes	in atmospheric	con	ditions from minute to minu	ıte,							
especially f	or fringe signals	5.									
2. Changes	in antenna orie	ntat	ion. I could be more consiste	ent							
about this.											
3. Perception	on: ultimately I'	m at	taching a number to an opir	nion,							
which tries	to convert a qu	alita	tive approach into a quantit	tative							
one. Such a	in approach is n	ot p	erfect. Lacking more sophis	ticated							
equipment	for measureme	nt, i	t's the best I can do and still								
may have s	ome value.										