

Now Ayrshire Radio — Audio Output Report

10 Jul 2026 – 24 Jul 2026 · MP3 128k · processor: stereotool · generated Fri 24 Jul 02:18

90/100
Health Score

1%
Spec compliance

100%
Data coverage

1343
Samples

Summary

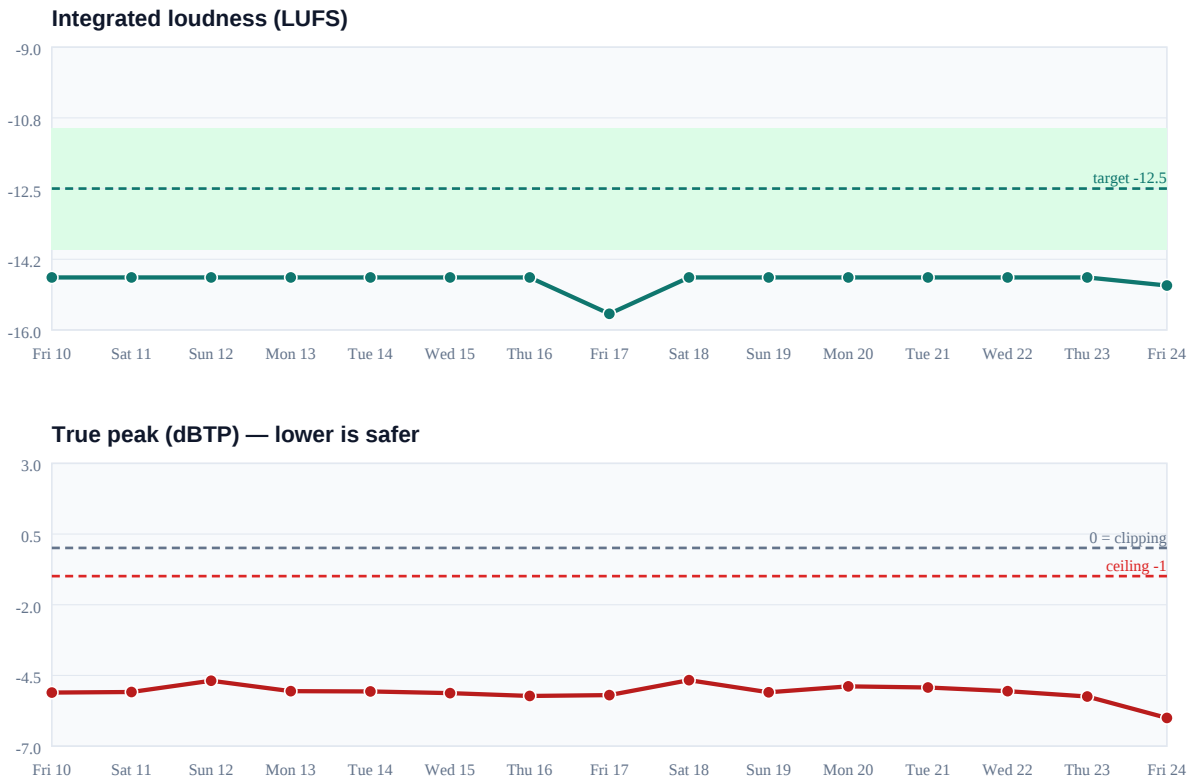
- Integrated loudness averages -14.8 LUFS — off target (target -12.5, band -14...-11).
- Competitive position: ranked 12 of 22 stations by health score (peer median score 89.8, loudness -14.1 LUFS, true peak -3.5 dBTP).
- Critical incidents in period: 52× Dead air / dropout, 2× Sustained clipping, 1× Stream offline.

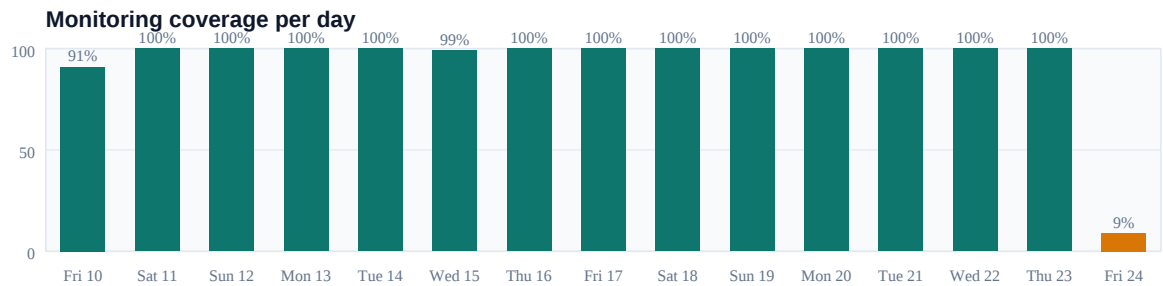
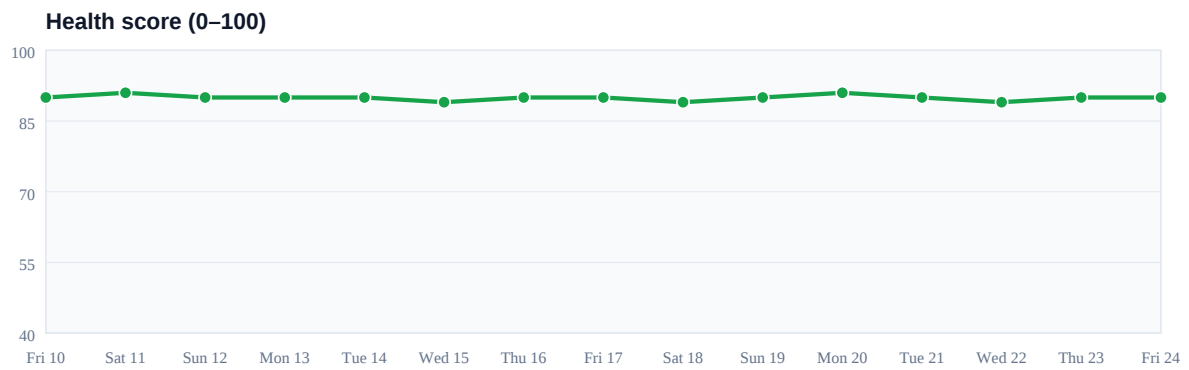
Output at a glance

Metric	Period avg	Target band	Status
Integrated loudness	-14.8 LUFS	-14 to -11	FAIL
True peak	-5.10 dBTP	≤ -1	PASS
Loudness range	1.4 LU	1.5 to 6	WATCH
Crest (dynamics)	13.1 dB	6 to 16	PASS
Stereo correlation	0.54	0.2 to 0.98	PASS
Mono compatibility	1.85 dB	≥ -2	PASS
HF extension	16345 Hz	≥ 15000	PASS
50 Hz hum	0.2 dB	≤ 18	PASS

Status is vs the station's streaming-radio targets. WATCH = marginal, FAIL = outside band.

Output over time (daily averages)





By daypart

Daypart	Score	LUFS	LRA	TruePk	Loud OK	TP OK	Top track
Breakfast (06–10)	90	-14.7	1.5	-4.95	2%	99%	Evolution by Nothing But Thieves
Mid-morning (10–13)	89	-14.7	1.3	-5.16	1%	99%	What A Girl Wants by Christina Aguilera
Afternoon (13–16)	89	-15.2	1.4	-5.16	2%	99%	End Of Beginning by DJO
Drivetime (16–19)	91	-14.7	1.5	-4.97	1%	99%	Danceteria by Madonna
Evening (19–22)	91	-14.7	1.3	-5.33	2%	100%	New Religion by Bebe Rexha & Faith Evans
Overnight (22–06)	90	-14.7	1.5	-4.97	1%	99%	I Can't Help Myself by Lucid

Incidents

197 incidents in period — 139× Running quiet 52× Dead air / dropout 2× Sustained clipping 1× Bass not mono 1× Low health score 1× Stream offline 1× Peaks over -0.5 dBTP

When	Feed	Type	Sev	Value	Duration
23 Jul 22:53	NAR · DAB 256k	Running quiet	warn	-14.4	—
23 Jul 21:53	NAR · DAB 256k	Running quiet	warn	-14.4	894s
23 Jul 19:53	NAR · DAB 256k	Running quiet	warn	-14.5	3601s
23 Jul 14:08	NAR · DAB 256k	Running quiet	warn	-14.7	12599s
23 Jul 11:38	NAR · DAB 256k	Running quiet	warn	-14.5	6299s
23 Jul 10:38	NAR · DAB 256k	Running quiet	warn	-14.7	900s
23 Jul 09:38	NAR · DAB 256k	Running quiet	warn	-14.4	899s
23 Jul 09:08	Now Ayrshire Radio	Running quiet	warn	-14.8	—
23 Jul 07:08	NAR · DAB 256k	Running quiet	warn	-14.1	2699s
23 Jul 02:53	Now Ayrshire Radio	Running quiet	warn	-15.1	19800s
23 Jul 02:23	NAR · DAB 256k	Running quiet	warn	-14.6	14400s
23 Jul 00:38	NAR · DAB 256k	Running quiet	warn	-14.4	2700s

When	Feed	Type	Sev	Value	Duration
22 Jul 21:38	NAR · DAB 256k	Running quiet	warn	-14.1	8100s
22 Jul 19:53	NAR · DAB 256k	Running quiet	warn	-14.4	3599s

...and 183 more.

Competitive snapshot

#	Station	Score	LUFS	TruePk	LRA	
1	LBC (talk)	96	-13.8	-3.20	1.9	
2	Capital	94	-12.3	-3.00	1.2	
3	Planet Rock	93	-12.0	-3.20	1.1	
9	NAR · DAB 256k	91	-14.4	-5.60	1.4	■ NAR
12	Now Ayrshire Radio	90	-14.8	-5.10	1.4	■ NAR
—	Peer median	90	-14.1	-3.50	1.4	

NAR ranks 12 of 22 by health score. Leaders cluster around -14 LUFS with -3 to -4 dBTP headroom.

Suggestions for improvement

[WARN] Loudness — Integrated loudness -14.8 LUFS is 2.3 dB under the -12 LUFS target, yet peaks sit 4.1 dB below the -1 dBTP ceiling — that headroom is free loudness.

Fix: Raise output/clipper gain so peaks ride at -1 dBTP; expect about +2.3 dB with no extra compression. In Stereo Tool, raise the final output gain / 'Web/HD/DAB clipper drive' until true peak rides at the -1.0 dBTP ceiling on the stream — that's loudness you're currently leaving on the table. Keep 'Oversampled limiting and clipping' at 4× so the extra drive stays clean.

[INFO] Dynamics — Loudness range is 1.4 LU — tight, but that's expected for processed radio while you're still below target loudness.

Fix: Leave it; claim the loudness first (see Loudness), then revisit dynamics if it sounds fatiguing.

[INFO] Peaks — True peak -5.1 dBFS leaves 4.1 dB unused below the -1 dBTP ceiling.

Fix: That's spare loudness — claim it via output gain (see Loudness).

[OK] Stereo — Stereo correlation 0.54 is healthy and mono-safe.

[OK] Stereo image — Mono fold +1.9 dB — sums cleanly, mono-safe.

[OK] Encode — High frequencies extend to ~16.3 kHz.

Generated by NAR Audio Monitor · audio.wispayr.online · metrics are EBU R128 / BS.1770 estimates over the streaming capture.