

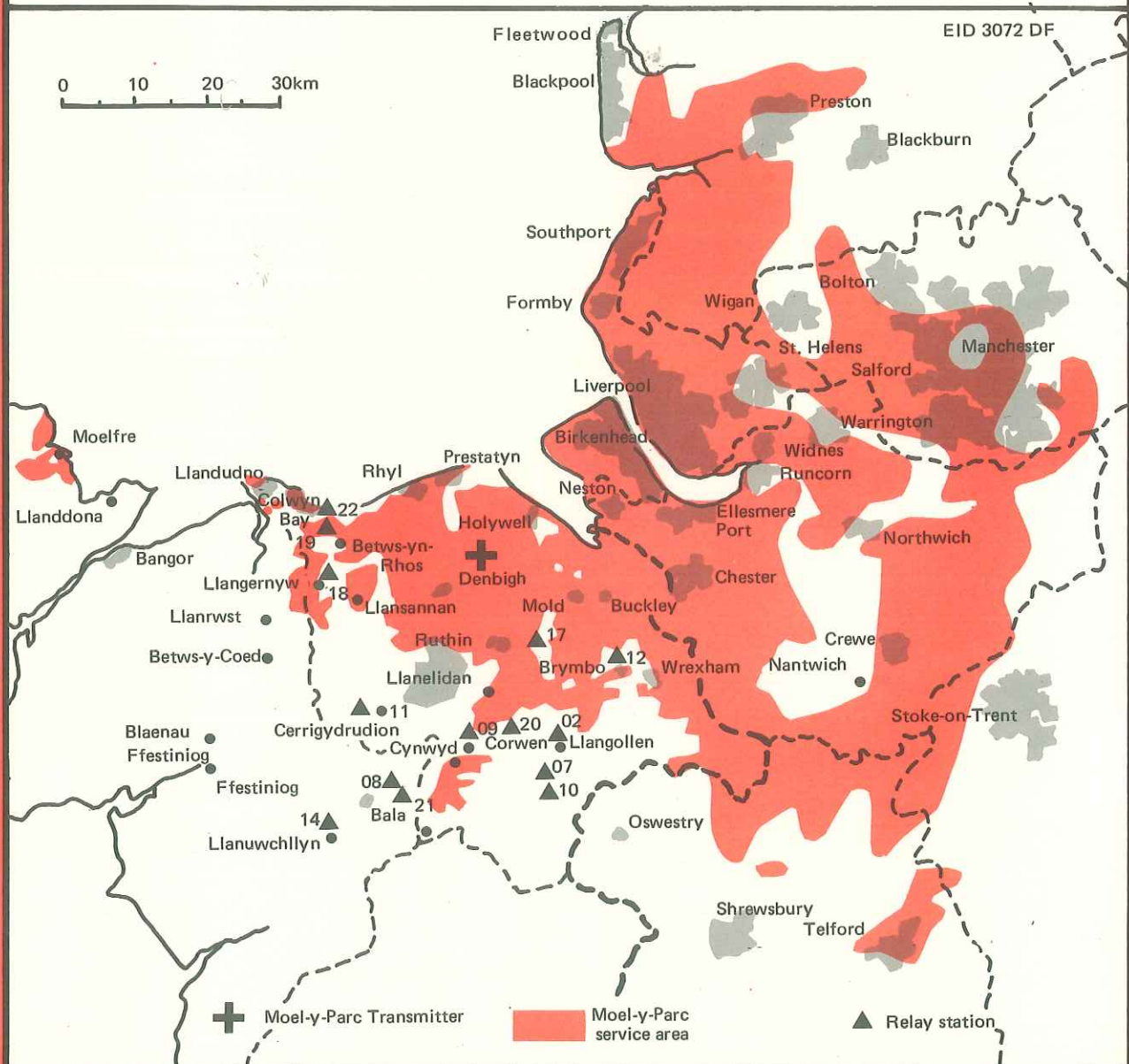


# Engineering Information



## Moel-y-Parc UHF Television

BBC Wales	ch 52
BBC 2	ch 45
ITV	ch 49
Sianel 4 Cymru	ch 42
Maximum ERP (vision)	100 kW
Polarisation	horizontal
Receiving aerial group	B
Mean height of transmitting aerial	235m agl, 575m aod
Transmitter site	Bryn-yr-Eithin, Clwyd
National Grid Reference	SJ 123702



The service area is indicated by the coloured part of the map, but the boundary should not be interpreted as a rigid limit. As the quality of reception on uhf can be very different at places only short distances apart, there are, inevitably, small pockets of poor reception which cannot be shown. Details of relay stations are shown overleaf in numerical order.

Moel-y-Parc relays

		BBC Wales	BBC 2	ITV	S4C	Maximum erp (vision) kW	Pol'n	Receiving aerial group	Mean ht of Tx aerial		NGR
									m agl	m aod	
02	Llangollen	57	63	60	53	0.015	V	C/D	26	334	SJ 205421
07	Glyn Ceiriog	58	64	61	54	0.007	V	C/D	15	335	SJ 203386
08	Bala	33	26	23	29	0.2	V	A	48	358	SH 969375
09	Corwen	22	28	25	32	0.3	V	A	28	279	SJ 081431
10	Pontfadog	22	28	25	32	0.0064	V	A	17	421	SJ 219356
11	Cerrigydrudion	33	26	23	29	0.032	V	A	31	406	SH 933482
12	Wrexham-Rhos	39	—	—	67	0.2, 0.4	V	E	49	262	SJ 301537
14	Llanuwchllyn	40	46	43	50	0.035	V	B	31	322	SH 873326
17	Llanarmon-yn-Ial	21	27	24	31	0.0065	V	A	17	380	SJ 194582
18	Llangernyw	22	28	32	25	0.035	V	A	18	235	SH 881660
19	Betws-yn-Rhos	21	27	24	31	0.015	V	A	15	144	SH 899756
20	Glyndyfrdwy	55	62	59	65	0.0056	V	C/D	18	187	SJ 158429
21	Llandderfel	55	62	65	59	0.0065	V	C/D	18	321	SH 990359
22	Llanddulas	33	26	23	29	0.015	H	A	16	38	SH 910784

The Wrexham-Rhos relay provides BBC Wales and Sianel 4 Cymru in areas otherwise served by The Wrekin and Winter Hill main stations. There are insufficient channels available for this station to provide the services of BBC 2 and ITV. The higher erp (0.4kW) is employed for channel 67 (S4C) to compensate for the greater loss in the viewer's download at this channel when compared with channel 39 (BBC Wales).