SPARK TECH
MECHANICAL • ELECTRICAL • PLUMBING

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IRS COMMISSIONING & SIGNAL TEST CERTIFICATE

Site	Bracknell Beeches	**Block**	Essen House	**Postcode**	RG12 7SH	**Flat**	21
System	IRS - Terrestrial TV / Satellite	**TV transmitter**	Hannington	**Satellite**	Astra 28.2°E	**Test instrument**	Rover HD TAB 700 Plus
Engineer	P Roots	**On Behalf Of.**	Western Homes	**Test date**	18/09/26	**Serial No.**	75305

TERRESTRIAL DIGITAL TV

Mux	Hannington UHF	Freq MHz	Legacy UHF	Legacy Freq MHz	Off-air dBµV	Off-air C/N dB	Launch dBµV	Launch C/N dB
BBC A (PSB1)	C45	666	C35	586	70.4	21.9	70.4	21.2
D3&4 (PSB2)	C42	642	C28	530	71.1	25.4	73	24.6
BBC B HD (PSB3)	C39	618	C26	514	72.7	24.3	74.5	25.6
SDN (COM4)	C40	626	C25	506	70.3	25.3	71.4	25.6
Arqiva A (COM5)	C43	650	C23	490	74.7	26.2	77	26.5
Arqiva B (COM6)	C46	674	C22	482	72	26	75.1	25.7

SATELLITE - ASTRA 28.2°E | FLAT 21 OUTLET

TP	Frequency MHz	System	Symbol Rate	Level dBµV	C/N	MER dB	BER pre	BER post
TP56	10935	DVB-S2 8PSK	22	72.2	19.3 dB	11.9	<1x10-7	5x10-6
TP110	11307	DVB-S2 8PSK	27.5	77.7	15.5 dB	9.1	<1x10-7	2x10-3
TP115	11426	DVB-S QPSK	29.5	75.9	14.6 dB	11	<10-8	<10-6
TP3	11758	DVB-S2 8PSK	27.5	75.4	15.7 dB	9.3	<1x10-7	2x10-3
TP16	12012	DVB-S2 8PSK	27.5	64	16.9 dB	10.5	<1x10-7	3x10-4
TP24	12168	DVB-S2 8PSK	27.5	64.4	17.5 dB	11.1	<1x10-7	1x10-4
TP46	10788	DVB-S2 8PSK	22	71.1	16.3 dB	8.9	<1x10-7	9x10-4
TP32	12324	DVB-S2 8PSK	27.5	85.6	13.2 dB	6.8	<1x10-7	8x10-3

TEST SUMMARY

Satellite Test	PASS - Astra 28.2°E services locked and measured
Terrestrial Test	PASS - Hannington services measured
Overall Outlet Result	PASS - IRS outlet tested and operating correctly

ENGINEER'S COMPLETION

I certify that the recorded details are correct and that the system/outlet has been tested using the measurements shown above.

Engineer	P Roots	**Signature**		**Date**	18/09/2026	**Company: Sparktech MEP**	