SPARK TECH
MECHANICAL • ELECTRICAL • PLUMBING

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IRS COMMISSIONING & SIGNAL TEST CERTIFICATE

Site	Bracknell Beeches	**Block**	Feynman House	**Postcode**	RG12 7SN	**Flat**	19
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	73.6	20.2	76.9	20.8
D3&4 (PSB2)	C42	642	C28	530	72.7	23.6	74.9	23.2
BBC B HD (PSB3)	C39	618	C26	514	74.7	24.3	76.3	24.3
SDN (COM4)	C40	626	C25	506	72.2	23.7	75.8	23.6
Arqiva A (COM5)	C43	650	C23	490	76.1	25.3	79.2	25.9
Arqiva B (COM6)	C46	674	C22	482	74.4	28.4	77.8	28.8

SATELLITE - ASTRA 28.2°E | FLAT 19 OUTLET

TP	Frequency MHz	System	Symbol Rate	Level dBµV	C/N MER EVM	N.MA. dB	BER pre	BER post
TS61	11023	DVB-S2 8PSK	23	76.0	18.6dB 12%	11.2	1x10-5	<1x10-7
TP56	10935	DVB-S2 8PSK	22	73.5	17.3dB 14%	9.9	2x10-4	<1x10-7
TP110	11307	DVB-S2 8PSK	27.5	76.4	14.6dB 19%	8.2	4x10-3	<1x10-7
TS116	11426	DVB-S2 QPSK	29.5	79.3	14.8dB 19%	9.1	4x10-3	<1x10-7
TS3	11758	DVB-S2 8PSK	27.5	75.1	14.3dB 19%	7.9	5x10-3	<1x10-7
TS16	12012	DVB-S2 8PSK	27.5	73.1	15.0dB 17%	8.6	4x10-3	<1x10-7
TS24	12168	DVB-S2 8PSK	27.5	72.4	14.6dB 19%	8.2	4x10-3	<1x10-7
TS32	12324	DVB-S2 8PSK	27.5	77.0	14.0dB 19%	7.6	6x10-3	<1x10-7

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**	