SPARK TECH
MECHANICAL • ELECTRICAL • PLUMBING

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# IRS COMMISSIONING & SIGNAL TEST CERTIFICATE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Site** | Bracknell Beeches | **Block** | Gilbert House | **Postcode** | RG12 7TA | **Flat** | 22 |
| **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** | 16/09/26 | **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 22 OUTLET

| TP | Frequency MHz | System | Symbol Rate | Level dBµV | C/N | MER dB | BER pre | BER post |
|---|---|---|---|---|---|---|---|---|
| TP45 | 10773 | DVB-S2 8PSK | 22 | 28.8 | 16.7 dB | 9.3 | <1x10-7 | 4x10-4 |
| TP56 | 10935 | DVB-S2 8PSK | 22 | 69.8 | 16.3 dB | 8.9 | <1x10-7 | 9x10-4 |
| TP110 | 11307 | DVB-S2 8PSK | 27.5 | 74.7 | 14.8 dB | 8.4 | <1x10-7 | 4x10-3 |
| TP115 | 11426 | DVB-S QPSK | 29.5 | 75.9 | 14.6 dB | 11 | <10-8 | <10-6 |
| TP3 | 11758 | DVB-S2 8PSK | 27.5 | 56 | 14.5 dB | 8.1 | <1x10-7 | 5x10-3 |
| TP16 | 12012 | DVB-S2 8PSK | 27.5 | 69.2 | 14.9 dB | 8.5 | <1x10-7 | 4x10-3 |
| TP24 | 12168 | DVB-S2 8PSK | 27.5 | 73.3 | 14.6 dB | 8.2 | <1x10-7 | 4x10-3 |
| TP32 | 12324 | DVB-S2 8PSK | 27.5 | 75.4 | 13.8 dB | 7.4 | <1x10-7 | 7x10-3 |

## TEST SUMMARY

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|---|---|
| **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** | |