TTA Verified

2006   6

(Digital Broadcasting Testing Team)

(TTA)

.

1.

1	Host Power Supply Test	POD 3.3V±0.3VDC 5V±5%
2	Host-POD Interface Visual Test	POD PC Card
3	Host-POD Temperature/Average Power Test	POD
4	Host Hot Insertion Test	POD
5	Host POD Signaling	PC Card Standard Volume 2
6	Host PCMCIA Characteristics Test	Host PCMCIA Card
7	Host Standby Mode Test	Standby Mode Host
8	Host/POD PCS/OOB Test	Personality Change Sequence MPEG
9	Host Data Channel Multi-Layer Test	data channel link/transport/session/ application layer protocol
10	Host Extended Channel Link Layer Test	extended data channel link layer protocol . DSG flow IP flow, MPEG sections flow open.
11	Extended Channel – DSG Mode Operation	POD DSG Mode
12	SCTE 65 Service Information Delivered OOB Profiles 1-6	SCTE 65 Program Specific Information (PSI) 6 SI
13	Host Conditional Access Resource Test	Conditional Access Resource
14	OOB Host Control Test	In-band OOB

15	Host System Time Test	System Time resource
16	Host Application Information and MMI Test	Man Machine Interface resource
17	Host Low Speed Communication Test	Host Low Speed Communication resource
18	Host Generic Diagnostic Support Test	Generic Diagnostic resource
19	Host Specific Application Support	Specific Application Support resource
20	Host Generic Feature Test	Generic Feature Control Resource
21	In band Host Control and Host POD firmware Upgrade Test(Homing)	POD firmware upgrade
22	Initialization Error Detection and Handling	POD
23	Host Copy Protection and CCI Test	Copy Protection . Copy Protection
24	Host Digital Audio Functional Test	
25	Host Analog Closed Caption Test	
26	Host Macrovision Test	Copy Protection
27	IEEE 1394 and 5C content Protection Compliance Test	IEEE 1394 , Copy Protection
28	Digital Video Interface(DVI) Host Test	/ , Copy Protection
29	Host Maximum Individual Carrier Test	, Host FAT FDC
30	Host VBI Pass Through Test	VBI
31	Host RF Input Return Loss Test	RF Input Return Loss

TTA Verified

32	Host FAT Channel Functional Test	
33	FAT Channel Micro-reflection Test	band pass ripple, group delay, ghost
34	FAT Channel Phase Noise Tolerance	Phase noise Host
35	FAT Channel AM Hum Modulation Immunity	Hum Host
36	Host Spurious Emission Test	spurious
37	Host FAT LO Leakage Test	local oscillator power
38	Host FDC Channel Parametric Test	FDC(forward data channel)
39	FDC Adjacent Channel BER Test	FDC , FDC
40	FDC Tuning range and Bit rate Test	FDC
41	Host RDC Parametric Test (DVS167 and DVS178)	RDC(reverse data channel)
42	Host RDC Output Return Loss Test	RDC Return Loss
43	Adjacent Channel Characteristic Test	
44	Combined Distortions Test	0.5uS -18dB ghost 16uS (-12dBmV) (36dB C/N) MPEG-2
45	In-Band PSIP Test	PSIP
46	Host Transport Stream Data Rate Test	26.97035Mbps(64QAM) 38.8107Mbps(256QAM)

TTA Verified

47	Host Visual Inspection Test	connector
48	Host Output Parametric Test	3/4
49	Host Channel Change Functional Test	
50	PSIP Test	PSIP
51	Host Diagnostic Test	diagnostic
52	Baseband Video performance Test	baseband ch 3, 4
53	Audio Parametric Performance Test	Host Baseband
54	Digital Video Compression Test	64 QAM 256 QAM Compression
55	CM Input power and frequency ranges	
56	CM ITU- T J.83 Annex B Interleaving Subset	CMTS ITU- T J.83 Annex B interleaving ,
57	Downstream (Forward Path) BER	Tuner Demodulator
58	Upstream Frequency Range	5MHz 42MHz
59	Upstream Channel Transmit Power Test	
60	Carrier Phase Noise	
61	Carrier Power Flatness	Burst Flatness
62	CM Upstream randomizer	Symbol
63	Upstream spectrum and out- of band noise and spurs at high power	

64	Upstream spectrum and out-ot-band noise and spurs at low power	
65	Upstream and out-of-band noise and spurs	
66	Pre-equalizer Test	Pre-equalization process
67	Cable Modem Receive Power Test	DocsIfDownChannelPower MIB
68	Symbol Rate Change Test	Symbol Rate
69	Upstream Transmit Power	ranging CM MIB CM
70	Standard Initialization	CMTS
71	UCD Messages	UCD
72	Software Upgrade	RFI OSS
73		
74	DSG eCM Compliance with eDOCSIS	eCM eDOCSIS
75	DSG eCM Initialization	eCM
76	DSG eCM One & Two Way Modes of Operation	eCM Two-way One-way