

S-2 - SERIAL N.: 4176 - HW Ver: 1.00 - FW Ver: 1.29

CUSTOMER:

NOTES:

DATAFILE: Logger1 SOURCE: ASTR19 TEMPERATURE: 22 °C DATE: NOT AVAILABLE

!Prg!	Mode	! Freq.	!Prg.Name	!Local!	S.Rate	Stand.	!Lnb!	Di	Level	!MER - EVM	aBER	bBER	N.MA.	FEC	QLTY
! !	!	!	!	! Osc !	!	!	! !	!Seq!	or	!	!	!	!	!	!
! !	!	[MHz]	!	[MHz]	!	!	!Pol!	!	Power	!	!	!	!	!	!
! 1!	AN.SAT	!10714.2	!TR 49	! 9750!	!	!	!V L!	NONE!	61.0dBuV	!	!	!	!	!	!
! 2!	AN.SAT	!10729.0	!TR 50	! 9750!	!	!	!V L!	NONE!	77.0dBuV	!	!	!	!	!	!
! 3!	AN.SAT	!10743.7	!TR 51	! 9750!	!	!	!H L!	NONE!	77.2dBuV	!	!	!	!	!	!
! 4!	AN.SAT	!10758.5	!TR 52	! 9750!	!	!	!V L!	NONE!	77.4dBuV	!	!	!	!	!	!
! 5!	QPSK	!10788.0	!TR 54	! 9750!	22.000 MS/s	!DVB	!V L!	NONE!	77.8dBuV	!9.4dB 35%	! <10-8	!3x10-3	! 2 dB	!5/6	!PASS !
! 6!	AN.SAT	!10802.7	!TR 55	! 9750!	!	!	!H L!	NONE!	77.5dBuV	!	!	!	!	!	!
! 7!	QPSK	!10817.5	!TR 56	! 9750!	22.000 MS/s	!DVB	!V L!	NONE!	77.6dBuV	!11.0dB 28%	! <10-8	!1x10-3	! 4 dB	!5/6	!PASS !
! 8!	QPSK	!10832.2	!TR 57	! 9750!	22.000 MS/s	!DVB	!H L!	NONE!	79.0dBuV	!8.5dB 39%	!2x10-5	!4x10-3	! 1 dB	!5/6	!MARG !
! 9!	QPSK	!10847.0	!TR 58	! 9750!	22.000 MS/s	!DVB	!V L!	NONE!	78.0dBuV	!8.8dB 39%	! <10-8	!3x10-3	! 1 dB	!5/6	!PASS !
! 10!	QPSK	!10861.7	!TR 59	! 9750!	22.000 MS/s	!DVB	!H L!	NONE!	78.6dBuV	!8.7dB 39%	!3x10-6	!4x10-3	! 1 dB	!5/6	!PASS !
! 11!	QPSK	!10876.5	!TR 60	! 9750!	22.000 MS/s	!DVB	!V L!	NONE!	78.2dBuV	!10.6dB 31%	! <10-8	!1x10-3	! 3 dB	!5/6	!PASS !
! 12!	AN.SAT	!10891.2	!TR 61	! 9750!	!	!	!H L!	NONE!	77.9dBuV	!	!	!	!	!	!
! 13!	AN.SAT	!10906.0	!TR 62	! 9750!	!	!	!V L!	NONE!	77.7dBuV	!	!	!	!	!	!
! 14!	QPSK	!10920.7	!TR 63	! 9750!	22.000 MS/s	!DVB	!H L!	NONE!	78.2dBuV	!11.8dB 28%	! <10-8	!1x10-4	! 4 dB	!5/6	!PASS !
! 15!	AN.SAT	!10935.5	!TR 64	! 9750!	!	!	!V L!	NONE!	76.8dBuV	!	!	!	!	!	!
! 16!	AN.SAT	!10964.2	!TR 33	! 9750!	!	!	!H L!	NONE!	76.9dBuV	!	!	!	!	!	!
! 17!	QPSK	!10979.0	!TR 34	! 9750!	22.000 MS/s	!DVB	!V L!	NONE!	77.6dBuV	!10.8dB 31%	! <10-8	!1x10-3	! 3 dB	!5/6	!PASS !
! 18!	AN.SAT	!10993.7	!TR 35	! 9750!	!	!	!H L!	NONE!	77.9dBuV	!	!	!	!	!	!
! 19!	AN.SAT	!11008.5	!TR 36	! 9750!	!	!	!V L!	NONE!	75.4dBuV	!	!	!	!	!	!
! 20!	AN.SAT	!11023.2	!TR 37	! 9750!	!	!	!H L!	NONE!	77.2dBuV	!	!	!	!	!	!

DATAFILE: Logger1

SOURCE: ASTR19

TEMPERATURE: 22 °C

DATE: NOT AVAILABLE

!Prg!	Mode	! Freq.	!Prg.Name	!Local!	S.Rate	! Stand.	!Ln!	Di	Level	!MER - EVM	! aBER	! bBER	! N.MA.	! FEC	!QTY
! !	!	! [MHz]	! !	! Osc !	!	! !	!SEqc!	or	!	!	!	!	!	!	!
! !	!	!	! [MHz]	!	!	! Pol!	!	Power	!	!	!	!	!	!	!
! 21!	QPSK	!11038.0	!TR 38	! 9750!	22.000 MS/s	!DVB	!V	L!NONE!	78.0dBuV	!11.1dB 28%	! <10-8	!1x10-3	! 4 dB	!5/6	!PASS !
! 22!	AN.SAT	!11052.7	!TR 39	! 9750!	!	!	H	L!NONE!	76.1dBuV	!	!	!	!	!	!
! 23!	AN.SAT	!11067.5	!TR 40	! 9750!	!	!	V	L!NONE!	78.3dBuV	!	!	!	!	!	!
! 24!	AN.SAT	!11082.2	!TR 41	! 9750!	!	!	H	L!NONE!	76.8dBuV	!	!	!	!	!	!
! 25!	QPSK	!11097.0	!TR 42	! 9750!	22.000 MS/s	!DVB	!V	L!NONE!	78.6dBuV	!9.9dB 35%	! <10-8	!2x10-3	! 2 dB	!5/6	!PASS !
! 26!	AN.SAT	!11111.7	!TR 43	! 9750!	!	!	H	L!NONE!	77.6dBuV	!	!	!	!	!	!
! 27!	AN.SAT	!11126.5	!TR 44	! 9750!	!	!	V	L!NONE!	76.3dBuV	!	!	!	!	!	!
! 28!	AN.SAT	!11141.2	!TR 45	! 9750!	!	!	H	L!NONE!	78.1dBuV	!	!	!	!	!	!
! 29!	QPSK	!11156.0	!TR 46	! 9750!	22.000 MS/s	!DVB	!V	L!NONE!	78.1dBuV	!10.8dB 31%	! <10-8	!1x10-3	! 3 dB	!5/6	!PASS !
! 30!	AN.SAT	!11170.7	!TR 47	! 9750!	!	!	H	L!NONE!	77.4dBuV	!	!	!	!	!	!
! 31!	AN.SAT	!11185.5	!TR 48	! 9750!	!	!	V	L!NONE!	77.0dBuV	!	!	!	!	!	!
! 32!	AN.SAT	!11214.2	!TR 1	! 9750!	!	!	H	L!NONE!	76.5dBuV	!	!	!	!	!	!
! 33!	AN.SAT	!11229.0	!TR 2	! 9750!	!	!	V	L!NONE!	75.6dBuV	!	!	!	!	!	!
! 34!	AN.SAT	!11243.7	!TR 3	! 9750!	!	!	H	L!NONE!	77.2dBuV	!	!	!	!	!	!
! 35!	AN.SAT	!11258.5	!TR 4	! 9750!	!	!	V	L!NONE!	75.7dBuV	!	!	!	!	!	!
! 36!	AN.SAT	!11273.2	!TR 5	! 9750!	!	!	H	L!NONE!	76.2dBuV	!	!	!	!	!	!
! 37!	AN.SAT	!11288.0	!TR 6	! 9750!	!	!	V	L!NONE!	75.7dBuV	!	!	!	!	!	!
! 38!	AN.SAT	!11302.7	!TR 7	! 9750!	!	!	H	L!NONE!	77.9dBuV	!	!	!	!	!	!
! 39!	QPSK	!11317.5	!TR 8	! 9750!	22.000 MS/s	!DVB	!V	L!NONE!	78.2dBuV	!9.0dB 35%	!5x10-6	!3x10-3	! 2 dB	!5/6	!PASS !
! 40!	AN.SAT	!11332.2	!TR 9	! 9750!	!	!	H	L!NONE!	76.7dBuV	!	!	!	!	!	!
! 41!	AN.SAT	!11347.0	!TR 10	! 9750!	!	!	V	L!NONE!	76.5dBuV	!	!	!	!	!	!
! 42!	AN.SAT	!11361.7	!TR 11	! 9750!	!	!	H	L!NONE!	77.4dBuV	!	!	!	!	!	!
! 43!	AN.SAT	!11376.5	!TR 12	! 9750!	!	!	V	L!NONE!	77.6dBuV	!	!	!	!	!	!
! 44!	AN.SAT	!11391.2	!TR 13	! 9750!	!	!	H	L!NONE!	76.3dBuV	!	!	!	!	!	!

DATAFILE: Logger1

SOURCE: ASTR19

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DATE: NOT AVAILABLE

Prg	Mode	Freq.	Prg.Name	Local	S.Rate	Stand.	Lnb	Di	Level	MER - EVM	aBER	bBER	N.MA.	FEC	QLTY
!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!
!	!	[MHz]	!	[MHz]	!	!	!	!	Power	!	!	!	!	!	!
45	AN.SAT	11406.0	TR 14	9750			V	L	NONE	76.9dBuV					
46	AN.SAT	11420.7	TR 15	9750			H	L	NONE	77.4dBuV					
47	AN.SAT	11435.5	TR 16	9750			V	L	NONE	74.5dBuV					
48	AN.SAT	11464.2	TR 17	9750			H	L	NONE	77.6dBuV					
49	AN.SAT	11493.7	TR 19	9750			H	L	NONE	77.2dBuV					
50	QPSK	11508.5	TR 20	9750	22.000 MS/s	DVB	V	L	NONE	80.2dBuV	8.4dB 39%	2x10-5	5x10-3	1 dB	5/6 MARG
51	AN.SAT	11523.2	TR 21	9750			H	L	NONE	77.2dBuV					
52	AN.SAT	11538.0	TR 22	9750			V	L	NONE	73.4dBuV					
53	AN.SAT	11552.7	TR 23	10600			H	H	NONE	73.3dBuV					
54	QPSK	11567.5	TR 24	10600	22.000 MS/s	DVB	V	H	NONE	78.5dBuV	8.4dB 39%	1x10-5	5x10-3	1 dB	5/6 MARG
55	AN.SAT	11582.2	TR 25	10600			H	H	NONE	74.6dBuV					
56	QPSK	11597.0	TR 26	10600	22.000 MS/s	DVB	V	H	NONE	78.9dBuV	7.4dB 44%	2x10-4	1x10-2	0 dB	5/6 MARG
57	AN.SAT	11611.7	TR 27	10600			H	H	NONE	73.7dBuV					
58	AN.SAT	11626.5	TR 28	10600			V	H	NONE	78.2dBuV					
59	AN.SAT	11641.2	TR 29	10600			H	H	NONE	74.3dBuV					
60	AN.SAT	11656.0	TR 30	10600			V	H	NONE	75.6dBuV					
61	QPSK	11670.7	TR 31	10600	22.000 MS/s	DVB	H	H	NONE	77.2dBuV	10.7dB 31%	<10-8	1x10-3	3 dB	5/6 PASS
62	QPSK	11685.5	TR 32	10600	22.000 MS/s	DVB	V	H	NONE	79.0dBuV	10.5dB 31%	<10-8	1x10-3	3 dB	5/6 PASS
63	QPSK	11719.5	TR 65	10600	27.500 MS/s	DVB	H	H	NONE	78.5dBuV	11.4dB 28%	<10-8	2x10-4	5 dB	3/4 PASS
64	QPSK	11739.0	TR 66	10600	27.500 MS/s	DVB	V	H	NONE	77.5dBuV	10.8dB 31%	<10-8	1x10-3	4 dB	3/4 PASS
65	QPSK	11758.5	TR 67	10600	27.500 MS/s	DVB	H	H	NONE	78.4dBuV	11.3dB 28%	<10-8	3x10-4	5 dB	3/4 PASS
66	QPSK	11778.0	TR 68	10600	27.500 MS/s	DVB	V	H	NONE	78.1dBuV	11.3dB 28%	<10-8	3x10-4	5 dB	3/4 PASS
67	QPSK	11797.5	TR 69	10600	27.500 MS/s	DVB	H	H	NONE	77.9dBuV	11.7dB 28%	<10-8	2x10-4	5 dB	3/4 PASS
68	QPSK	11817.0	TR 70	10600	27.500 MS/s	DVB	V	H	NONE	77.2dBuV	9.9dB 35%	<10-8	2x10-3	4 dB	3/4 PASS

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!Prg!	Mode	! Freq.	!Prg.Name	!Local!	S.Rate	! Stand.	!Lnb!	Di	Level	!MER - EVM	aBER	bBER	N.MA.	FEC	!QlTY
!	!	! [MHz]	!	! Osc	!	!	!SEqc!	or	!	!	!	!	!	!	!
!	!	!	!	! [MHz]	!	!	! Pol	!	Power	!	!	!	!	!	!
! 69!	QPSK	!11836.5	!TR 71	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	77.0dBuV	!9.2dB 35%	!2x10-6	!3x10-3	! 3 dB	!3/4	!PASS !
! 70!	QPSK	!11856.0	!TR 72	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	78.4dBuV	!11.4dB 28%	!<10-8	!3x10-4	! 5 dB	!3/4	!PASS !
! 71!	QPSK	!11895.0	!TR 74	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	77.2dBuV	!10.7dB 31%	!<10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 72!	QPSK	!11914.5	!TS 75	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	76.5dBuV	!----	!----	!----	!----	!----	!----
! 73!	QPSK	!11934.0	!TR 76	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	78.2dBuV	!11.2dB 28%	!<10-8	!4x10-4	! 5 dB	!3/4	!PASS !
! 74!	QPSK	!11953.5	!TR 77	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	77.3dBuV	!7.9dB 44%	!<10-8	!7x10-3	! 2 dB	!3/4	!PASS !
! 75!	QPSK	!11973.0	!TR 78	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	78.0dBuV	!10.2dB 31%	!<10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 76!	QPSK	!11992.5	!TR 79	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	78.7dBuV	!9.6dB 35%	!<10-8	!2x10-3	! 3 dB	!3/4	!PASS !
! 77!	QPSK	!12012.0	!TR 80	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	79.4dBuV	!10.9dB 31%	!<10-8	!5x10-4	! 5 dB	!3/4	!PASS !
! 78!	QPSK	!12031.5	!TR 81	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	79.0dBuV	!11.1dB 28%	!<10-8	!4x10-4	! 5 dB	!3/4	!PASS !
! 79!	QPSK	!12051.0	!TR 82	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	77.9dBuV	!10.0dB 31%	!<10-8	!2x10-3	! 4 dB	!3/4	!PASS !
! 80!	QPSK	!12070.5	!TR 83	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	78.5dBuV	!10.8dB 31%	!<10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 81!	QPSK	!12109.5	!TR 85	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	77.8dBuV	!10.1dB 31%	!<10-8	!2x10-3	! 4 dB	!3/4	!PASS !
! 82!	QPSK	!12129.0	!TR 86	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	77.6dBuV	!10.5dB 31%	!<10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 83!	QPSK	!12148.5	!TR 87	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	78.7dBuV	!10.8dB 31%	!<10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 84!	QPSK	!12168.0	!TR 88	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	79.0dBuV	!11.1dB 28%	!<10-8	!4x10-4	! 5 dB	!3/4	!PASS !
! 85!	QPSK	!12187.5	!TR 89	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	77.2dBuV	!9.5dB 35%	!<10-8	!3x10-3	! 3 dB	!3/4	!PASS !
! 86!	QPSK	!12207.0	!TR 90	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	78.7dBuV	!10.6dB 31%	!<10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 87!	QPSK	!12226.5	!TR 91	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	78.7dBuV	!11.3dB 28%	!<10-8	!3x10-4	! 5 dB	!3/4	!PASS !
! 88!	QPSK	!12246.0	!TR 92	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	79.3dBuV	!10.1dB 31%	!<10-8	!2x10-3	! 4 dB	!3/4	!PASS !
! 89!	QPSK	!12265.5	!TR 93	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	77.4dBuV	!9.5dB 35%	!<10-8	!3x10-3	! 3 dB	!3/4	!PASS !
! 90!	QPSK	!12285.0	!TR 94	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	80.1dBuV	!10.2dB 31%	!<10-8	!2x10-3	! 4 dB	!3/4	!PASS !
! 91!	QPSK	!12304.5	!TR 95	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	79.8dBuV	!11.3dB 28%	!<10-8	!4x10-4	! 5 dB	!3/4	!PASS !
! 92!	QPSK	!12324.0	!TR 96	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	80.3dBuV	!10.9dB 31%	!<10-8	!5x10-4	! 5 dB	!3/4	!PASS !

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DATE: NOT AVAILABLE

!Prg!	Mode	! Freq.	!Prg.Name	!Local!	S.Rate	! Stand.	!Lnb!	Di	Level	!MER - EVM	! aBER	! bBER	! N.MA.	! FEC	!QlTY
! !	!	! [MHz]	! !	! Osc !	!	!	! !	!SEqc!	or	!	!	!	!	!	!
! !	!	!	! [MHz]	!	!	!	! Pol!	!	Power	!	!	!	!	!	!
! 93!	QPSK	!12343.5	!TR 97	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	79.8dBuV	!10.5dB 31%	! <10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 94!	QPSK	!12382.5	!TR 99	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	79.6dBuV	!11.2dB 28%	! <10-8	!4x10-4	! 5 dB	!3/4	!PASS !
! 95!	QPSK	!12402.0	!TR100	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	79.1dBuV	!11.0dB 28%	! <10-8	!5x10-4	! 5 dB	!3/4	!PASS !
! 96!	QPSK	!12421.5	!TR101	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	77.6dBuV	!10.6dB 31%	! <10-8	!1x10-3	! 4 dB	!3/4	!PASS !
! 97!	QPSK	!12441.0	!TS102	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	78.0dBuV	!9.6dB 35%	! <10-8	!2x10-3	! 3 dB	!3/4	!PASS !
! 98!	QPSK	!12460.5	!TR103	!10600!	27.500 MS/s	!DVB	!H H!	NONE!	79.3dBuV	!10.9dB 31%	! <10-8	!1x10-3	! 5 dB	!3/4	!PASS !
! 99!	QPSK	!12480.0	!TR104	!10600!	27.500 MS/s	!DVB	!V H!	NONE!	79.4dBuV	!10.6dB 31%	! <10-8	!1x10-3	! 4 dB	!3/4	!PASS !
!100!	QPSK	!12515.2	!TR105	!10600!	22.000 MS/s	!DVB	!H H!	NONE!	78.7dBuV	!8.7dB 39%	!4x10-6	!4x10-3	! 1 dB	!5/6	!PASS !
!101!	QPSK	!12551.5	!TR108	!10600!	22.000 MS/s	!DVB	!V H!	NONE!	81.2dBuV	!8.8dB 39%	!8x10-6	!4x10-3	! 1 dB	!5/6	!PASS !
!102!	QPSK	!12574.2	!TR109	!10600!	22.000 MS/s	!DVB	!H H!	NONE!	80.0dBuV	!7.2dB 44%	!6x10-4	!1x10-2	! 0 dB	!5/6	!FAIL !
!103!	QPSK	!12581.0	!TR110	!10600!	22.000 MS/s	!DVB	!V H!	NONE!	79.1dBuV	!----	!----	!----	!----	!----	!----
!104!	QPSK	!12610.5	!TR112	!10600!	22.000 MS/s	!DVB	!V H!	NONE!	79.7dBuV	!7.6dB 44%	!2x10-4	!1x10-2	! 0 dB	!5/6	!MARG !
!105!	QPSK	!12633.2	!TR113	!10600!	22.000 MS/s	!DVB	!H H!	NONE!	78.4dBuV	!7.5dB 44%	!5x10-4	!1x10-2	! 0 dB	!5/6	!FAIL !
!106!	QPSK	!12640.0	!TR114	!10600!	22.000 MS/s	!DVB	!V H!	NONE!	78.0dBuV	!6.8dB 50%	!4x10-3	!1x10-2	! 0 dB	!5/6	!FAIL !
!107!	QPSK	!12662.7	!TR115	!10600!	22.000 MS/s	!DVB	!H H!	NONE!	77.3dBuV	!10.2dB 31%	! <10-8	!2x10-3	! 3 dB	!5/6	!PASS !
!108!	QPSK	!12669.5	!TR116	!10600!	22.000 MS/s	!DVB	!V H!	NONE!	76.8dBuV	!9.5dB 35%	! <10-8	!3x10-3	! 2 dB	!5/6	!PASS !
!109!	QPSK	!12692.2	!TR117	!10600!	22.000 MS/s	!DVB	!H H!	NONE!	75.9dBuV	!7.0dB 44%	!6x10-4	!1x10-2	! 0 dB	!5/6	!FAIL !

