

11 MHz EOM output							
Source: Marconi							
Resolution BW = 100 kHz							
Scan 10MHz							
Center Freq= peak center							
Var. Attenuator=10dB							
Amplitude (dBm)							
Filter use	None	SBP-21.4			SHP-25		
		measured	insertion loss	Corrected	measured	insertion loss	Corrected
Pk Freq (MHz)							
11.1	14	-22	28	6	-48	67	19
22.2	-49	-57	0.85	-56.15	-69	10	-59
21.63		-72	0.84	-71.16	-85	12	-73
33.2					-76	0.35	-75.65

11 MHz EOM output							
Source:Wenzel oscillator							
Resolution BW = 100 kHz							
Scan 10MHz							
Center Freq= peak center							
Var. Attenuator=10dB							
Amplitude (dBm)							
Filter used -->		SBP-21.4			SHP-25		
		measured	insertion loss	Corrected	measured	insertion loss	Corrected
Pk Freq (MHz)							
11.1		-27	28	1	-47	67	20
22.2		-57	0.85	-56.15	-67	10	-57
21.63			0.84			12	
29.5			32		-68	0.35	-67.65
33.2			31		-76		
44							

55MHz EOM output							
Source:Wenzel oscillator							
Resolution BW = 100 kHz							
Scan 10MHz							
Center Freq= peak center							
Var. Attenuator=10dB							
Amplitude (dBm)							
Filter used -->		SLP-30			SHP-100		
		As measured	insertion loss	Corrected	As measured	insertion loss	Corrected
Pk Frequency							
	11.08	-76	0.2	-75.8			
	22.2	-64	0.2	-63.8			
	29.5	-75	0.86	-74.14			
	55.4	-32	38	6	-25	35	10
	110				-85	0.5	-84.5
	165				-85	0.2	-84.8

29.5MHz EOM output							
Source:Wenzel oscillator							
Resolution BW = 100 kHz							
Scan 10MHz							
Center Freq= peak center							
Amplitude (dBm)							
Filter used -->		SLP-50			SHP-100		
		measured	insertion loss	Corrected	measured	insertion loss	Corrected
Pk Frequency							
29.6		2 dBm	0.1	1.9	-70	72	2
59.1					-66	28	-38
88.6					-48	0.7	-47.3
92					-49	0.6	-48.4
95					-49	0.5	-48.5
104					-50	0.5	-49.5
103					-52	0.5	-51.5
106					-52	0.5	-51.5
105					-53	0.5	-52.5
101					-53	0.5	-52.5
91					-55	0.5	-54.5
107					-55	0.4	-54.6
118					-63	0.4	-62.6

29.5MHz EOM output							
Source:Wenzel oscillator but measured after the LSC AM Stabiliser							
Resolution BW = 100 kHz							
Scan 10MHz							
Center Freq= peak center							
Amplitude (dBm)							
Filter used -->		SLP-50			SHP-100		
		measured	insertion loss	Corrected	measured	insertion loss	Corrected
Pk Frequency							
29.53					-56	72	16
59.02					-41	28	-13
88.5					-22	0.7	-21.3
118.05					-45	0.4	-44.6

Measurements made with an attenuator in-line to avoid saturation of preamp

55 MHz EOM	(Attenuation=20dB)		
	Freq (MHz)	Amplitude (dBm)	after correction
	53	-77	-57
	55	-11	11
	110	-72	-52
	165	-87	-67

11MHz EOM	(Attenuation=20dB)		
	Freq (MHz)	Amplitude (dBm)	after correction
	11	-6	14
	22	-60	-40
	29.5	-88	-68
	33	-67	-47

55 MHz Demod	(Attenuation=6dB)		
	Freq (MHz)	Amplitude (dBm)	after correction dBm
	12.55	-86	-80
	22.18	-83	-77
	33.23	-79	-73
	52.85	-73	-67
	55.3	-4	2
	110.7	-50	-44
	165	-68	-62
	220	-90	-84

11 MHz Demod	(Attenuation=6dB)		
	Freq (MHz)	Amplitude (dBm)	after correction dBm
	11	-1	5
	22	-51	-45
	33	-53	-47
	29.5	-89	-82
	44	-83	-77

29.5 MHz	(Attenuation=6dB)		
	Freq (MHz)	Amplitude (dBm)	after correction
	29.53	-4.4	1.6
	59	-34	-28
	88.53	-52	-46
	89.35	-64	-58
	90.75	-55	-49
	91.55	-55	-49
	92.35	-49	-43
	93.13	-58	-52
	93.95	-66	-60
	95.55	-59	-53
	-96	-75	-69

Measured after the RF AM stabiliser, just before the heliax cable

29.5 MHz	(Attenuation=20dB)		
	Freq (MHz)	Amplitude (dBm)	after correction
	29.5	-4	16
	59	-34	-14
	88.5	-41	-21
	118	-62	-42

