RF bandwidth	1.05E+10										
RF low frequency limit	5.00E+08										
RF high frequency limit	1.10E+10	Hz									
Polarizations	2										
Full bandwidth thermal noise								+10dBi sidelo	obe		
Tsys	5.000E+01					(Larry D'Adda	rio 2001aug02	)			
Boltzman k=	1.38E-23	Bjoule/degK				` <b>*</b>	Ĭ				
noise power	7.248E-12					Power	3.162E-11	Watts (noise + dBm	· Iridium)		
noise power	-81.398	dBm				Power	-74.1	dBm	, , , , , , , , , , , , , , , , , , ,		
		<u> </u>									
			Stage Out	nut			Stage Out	nut		Difference	in
		-									
From Doug Thornton 2005may27			Power (no	lridium)			Power w/			Power leve	
RCVR LNA gain	35.000	dB	-46.398 3.602	dBm			-39.104	dBm		7.29 7.29	dB
PAM gain	50.000	dB	3.602	dBm			10.896	dBm		7.29	dB
FO link gain	-35.000	dB	-31.398	dBm			-24.104	dBm		7.29	dB
Amp post FORX	30.000	dB	-1.398	dBm			5.896	dBm		7.29	
			-101.610	dBm/Hz			-94.316	dBm/Hz			dBm/Hz
			7.248E-04				3.887E-03	Watts		3.162E-03	Watt
RFCB output 1dB BW	5 000E+05	Hz (assuming flat freq	uency respons	e)					Noise power		
RFCB gain due to BW change	-13.222		-14.620		l	In band interfe	5.047	dBm	Is decreased	19.67	dB
55 gain due to by change	-10.222	1	3.452E-05			bana miene	3.197E-03	Watts	ucoreaseu	3.162E-03	
Out of band power lost		+	-1.610E+00	dRm			-1.610	dRm		0.00	dB.
Out of barid power lost										0.00	UD Mo#
		+	6.903E-04	walls	l	-	6.903E-04	vvalls		0.000E+00	vvall
DEOD 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40.00/	15	1.000				45.045	ID.		10.07	I.D.
RFCB final output amplifier	10.000	lan	-4.620	asm			15.047	asm		19.67	aR
RFCB 1dB output power	3.452E-04	Watt	An inband CV	V signal would I	be		31.97E-03	Watt		3.16E-02	Watt
RFCB 1dB output power	-4.620	dBm	13.22	dB larger.			15.047			19.67	dB
RFCB 1dB output power		dBm/Hz					-71.943	dBm/Hz		19.67	dBm/Hz
Note: this assumes constant pow											
Bandwidth rather than 0dB down	for say 450 Mhz then				RFCB output	power	3.162E-02	Watt			
A drop of 1dB for the outer most 2	5 Mhz on both sides.				From Iridium		15.000	dBm			
This assumption is used in the F3	dB and F6dB calculati	ons									
Shown below.					RFCB output	nower	3.452E-04	Watt			
Cilowii Bolowi					From gaussia		-4.620	dBm			
		+			r rom gadooid	1		dBm/Hz			
		+		-			31.010	UDITI/TIZ			
Non-flat frequency response	OdP Contart 00%	1dB down Edge 10%									
Power in F1dB passband	-1.016E+02		dDm/Uz								
rower iii r iub passbaliu	-1.508E+01		dDm								
	3.106E-05	-2.512E+01	UDIII								
	3.106E-05	3.076E-06	vvatts								
Total Power in F1dB passband		3.414E-05	watts								
		-14.6674	dBm	<del> </del>							
Difference versus the flag F1dB n	iodel above	-0.05	dB	Not a big deal							
Approximate 3dB output power: a	ssuming flat F1dB pas	sband									
RFCB 3dB output bandwidth	6.000E+08	Hz									
RFCB 3dB incremental power	-92.610	dBm/Hz	1								
RFCB 3dB incremental power											
	-12.610										
RFCB 3dB incremental power	5.483E-05	Watt									
RFCB 3dB incremental power	5.483E-05	Watt					32.023E-03	Watt		3.16E-02	Watt
RFCB 3dB incremental power RFCB 3dB output power		Watt Watt					32.023E-03 15.0546	Watt		3.16E-02 19.03	
RFCB 3dB incremental power RFCB 3dB output power	5.483E-05 4.000E-04	Watt Watt					32.023E-03 15.0546	Watt dBm			
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power	5.483E-05 4.000E-04 -3.9796	Watt Watt odBm					32.023E-03 15.0546	Watt dBm			
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas	Watt Watt dBm esband	mail of 2005se	:0)			32.023E-03 15.0546	Watt dBm			
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08	Watt Watt dBm ssband BHz (from D. DeBoer e	mail of 2005se	ib)			32.023E-03 15.0546	Watt dBm			
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.110	Watt Watt IdBm ssband BHz (from D. DeBoer e	mail of 2005se	;p)			32.023E-03 15.0546	Watt dBm			
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.110 -11.557	SWatt  Watt  BdBm 	mail of 2005se	2p)			32.023E-03 15.0546	Watt dBm			
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.110 -11.557 6.987E-05	Watt  Watt  Watt  dBm	mail of 2005se	;p)			15.0546	dBm		19.03	dB
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.110 -11.557 6.987E-05 4.150E-04	Watt Watt GdBm Ssband BHz (from D. DeBoer e dBm/Hz GdBm SWatt	mail of 2005se	;p)			15.0546 32.038E-03	dBm		19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.110 -11.557 6.987E-05	Watt Watt GdBm Ssband BHz (from D. DeBoer e dBm/Hz GdBm SWatt	mail of 2005se	;p)			15.0546	dBm		19.03	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.110 -11.557 6.987E-05 4.150E-04	Watt Watt GdBm Ssband BHz (from D. DeBoer e dBm/Hz GdBm SWatt	mail of 2005se	3p)			15.0546 32.038E-03	dBm		19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power RFCB 6dB output power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 -3.9796 6.800E+08 6.800E+08 -94.110 -11.557 6.987E-05 4.150E-04 -3.8193	iWatt JWatt JdBm ssband SHz (from D. DeBoer e) JdBm/Hz JdBm/Hz JdBm/ JWatt JWatt JdBm					32.038E-03	dBm		19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power RFCB 6dB output power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 -3.9796 6.800E+08 6.800E+08 -94.110 -11.557 6.987E-05 4.150E-04 -3.8193	iWatt JWatt JdBm ssband SHz (from D. DeBoer e) JdBm/Hz JdBm/Hz JdBm/ JWatt JWatt JdBm				-10	15.0546 32.038E-03	dBm		19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power. Approximate 6dB output power. Approximate 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power RFCB 6dB output power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.11C -11.557 6.987E-05 4.150E-04 -3.8193	Watt  Watt  dBm  ssband  BHz (from D. DeBoer e)  dBm/Hz  ddBm  swatt  Watt  ddBm					32.038E-03 15.0566	Watt dBm	Moths	19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power RFCB 6dB output power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.11C -11.557 6.987E-05 4.150E-04 -3.8193	Watt  Watt  dBm  ssband  BHz (from D. DeBoer e)  dBm/Hz  ddBm  swatt  Watt  ddBm					32.038E-03	dBm	Watts	19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power. APPROX 3dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power	5.483E-05 4.000E-04 -3.9796 -3.9796 6.800E-06 -94.110 -11.557 6.987E-05 4.150E-04 -3.8193  ATION IS TO B andle a signal 2	Watt Watt JWatt JW					32.038E-03 15.0566	Watt dBm	Watts	19.03 3.16E-02	dB Watt
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power. AFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power AFCB 6dB output power INTERFACE SPECIFIC And must be able to he Approximate input power in band	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.11C -11.557 6.987E-05 4.150E-04 -3.8193  ATION IS TO B andle a signal 2	Watt  Watt  dBm  ssband  BHz (from D. DeBoer e)  dBm/Hz  dBm  swatt  dBm  swatt  dBm  swatt  dBm  swatt  dBm					32.038E-03 15.0566 dBm dBm	Watt dBm		19.03 3.16E-02 18.88	dB Watt dB
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: a RFCB 6dB output bandwidth RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power INTERFACE SPECIFIC And must be able to h Approximate input power in band	5.483E-05 4.000E-04 -3.9796 -3.8796 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193	Watt Watt JWatt JW					32.038E-03 15.0566 dBm dBm	Watt dBm		19.03 3.16E-02	dB Watt dB
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power: Approximate 6dB output power: Approximate 6dB output power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power INTERFACE SPECIFIC And must be able to h. Approximate input power in band- Post QDC LPF bandwidth RFCB gain due to BW change	5.483E-05 4.000E-04 -3.9796 ssuming flat F1dB pas 6.800E+08 -94.11C -11.557 6.987E-05 4.150E-04 -3.8193  ATION IS TO B andle a signal 2	Watt Watt JWatt JW	R BOARD	FOR			32.038E-03 15.0566 dBm dBm	Watt dBm  0.0316		3.16E-02 18.88	Watt dB
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power RFCB 6dB output power AFCB 6dB output power Approximate input power in bandle post QDC LPF bandwidth RFCB gain due to BW change RFCB 1dB Pout in sampled BW	5.483E-05 4.000E-04 -3.9796 -3.8796 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193	Watt Watt JWatt JW		FOR			32.038E-03 15.0566 dBm dBm This calculatio	Watt dBm  0.0316  n ignores the f		3.16E-02 18.88	dB Watt dB
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power. AFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power AFCB 6dB output power INTERFACE SPECIFIC And must be able to he Approximate input power in band	5.483E-05 4.000E-04 -3.9796 -3.8796 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193	Watt Watt JWatt JW	-14.620	FOR			32.038E-03 15.0566 dBm dBm This calculatio	Watt dBm  0.0316  n ignores the f		3.16E-02 18.88	dB Watt dB 2) outputs.
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power. Approximate 6dB output power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power in band Approximate input power in band Post QDC LPF bandwidth RFCB gain due to BW change RFCB 1dB Pout in sampled BW RFCB 1dB Pout in sampled BW RFCB 1dB Pout in sampled BW	5.483E-05 4.000E-04 -3.9796 -3.8796 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193	Watt Watt JWatt JW	-14.620 3.452E-05	FOR July Matt			32.038E-03 15.0566 dBm dBm This calculatio	Watt dBm  0.0316  n ignores the f		3.16E-02 18.88 OC has TWO (2 29.625 3.162E-02	dB  Watt dB  2) outputs.
RFCB 3dB incremental power RFCB 3dB output power RFCB 3dB output power RFCB 3dB output power Approximate 6dB output power. Approximate 6dB output power RFCB 6dB incremental power RFCB 6dB incremental power RFCB 6dB output power RFCB 6dB output power AFCB 6dB output power Approximate input power in bandle post QDC LPF bandwidth RFCB gain due to BW change RFCB 1dB Pout in sampled BW	5.483E-05 4.000E-04 -3.9796 -3.8796 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193 -3.8193	Watt Watt JWatt JW	-14.620 3.452E-05	FOR  Jobson Swatt  Jobson Swat			32.038E-03 15.0566 dBm dBm This calculatio	Watt dBm  0.0316  n ignores the f dBm Watt dBm/Hz		3.16E-02 18.88 OC has TWO (2 29.625 3.162E-02	Watt dB  2) outputs. dBm Watt dBm/Hz

			Low edge		High edge					
	_		In GHz		In GHz					
LO 1 A into RFCB	+		16.1		26.7					
LO 1 B into RFCB	_		16.1		26.7					
LO 1 C into RFCB	+		16.1		26.7					
LO 1 D into RCB	+		16.1		26.7					
EG T B IIIRO T GB	+		10.1		20.7					
FCB Bandpass filter specification	ne		Low edge		High edge	Bandwidth	Center	fred	Range of freq o	on either
CD Danapass litter specification	T		In GHz		In GHz	In MHz	In Ghz		Side of center	on enner
F50dB from lab measurement	+		14.9662		16.0633	1097.	1 1	5.5148	548.55	
F40dB from lab measurement	+		15.0258		15.9966	970.		5.5112	485.40	
	$\vdash$									
F30dB from lab measurement	_		15.0801		15.9435	863.4		5.5118	431.70	
F20dB from lab measurement	_		15.1205		15.9027	782.:		5.5116	391.10	
F10dB from lab measurement			15.1493		15.8646	715.		5.5070	357.65	
F6dB			15.1680		15.8470	679.		5.5075	339.50	
F3dB	П		15.2100		15.8160	606.	) 1	5.5130	303.00	
F1dB			15.2480		15.7450	497.0	1	5.4965	248.50	
	T									
		Official LO2								
Official LO 2 into RFCB	+		Hz. This is Fixed.							
Omoral Ed E mile i ii dE	-	11100002110	TIE. THIS IS TIMOU.							
RFCB output bands (bandpass f	iltor	chane after official I	O2 downconversion)							
FCB Bandpass filter specification		I ape alter official t			I liah adaa	Bandwidth	Center	from	lance of free	an aithea
Danupass liller specification	T		Low edge		High edge				Range of freq o	on cluid
ESO-ID francische manner	1		In GHz	ļ	In GHz	In MHz	In Ghz	0.0140	Side of center	
F50dB from lab measurement	-		0.0662		1.1633	1097.		0.6148	548.55	
F40dB from lab measurement	1		0.1258		1.0966	970.		0.6112	485.40	
F30dB from lab measurement			0.1801		1.0435	863.4		0.6118	431.70	
F20dB from lab measurement	上		0.2205		1.0027	782.:		0.6116	391.10	
F10dB from lab measurement			0.2493		0.9646	715.:	3	0.6070	357.65	
F6dB	1		0.2680		0.9470	679.		0.6075	339.50	
F3dB	Т		0.3100		0.9160	606.		0.6130	303.00	
F1dB	1		0.3480		0.8450	497.		0.5965	248.50	
142	+		0.0100		0.0100	107.		0.0000	2.0.00	
	-	UNOFFICIAL LO2								
Test LO 2 into RFCB	+		Hz. This is for testing	only						
Test LO 2 IIIto RFCB	+	1.42300E+10	nz. This is for testing	Ully						
DEOD autout baseds (baseds as a	714									
RFCB output bands (bandpass f	iiter	snape aπer downco	inversion by test LO2)		I Cala a day	Daniel della	0			100
FCB Bandpass filter specification	ns		Low edge		High edge	Bandwidth	Center		Range of freq of	on eitner
	_		In GHz		In GHz	In MHz	In Ghz		Side of center	
F50dB from lab measurement			0.6682		1.7653	1097.		1.2168	548.55	
F40dB from lab measurement	_		0.7278		1.6986	970.	3	1.2132	485.40	
F30dB from lab measurement			0.7821		1.6455	863.4		1.2138	431.70	
			0.8225			702		1.2136	201 10	
F20dB from lab measurement					1.6047	782.:	4 1	1.2 130	391.10	
F20dB from lab measurement F10dB from lab measurement	-		0.8513		1.5666	715.:		1.2090		
							В		357.65 339.50	
F10dB from lab measurement F6dB			0.8513 0.8700		1.5666 1.5490 1.5180	715.: 679.	)	1.2090 1.2095	357.65 339.50	
F10dB from lab measurement F6dB F3dB			0.8513 0.8700 0.9120		1.5666 1.5490 1.5180	715. 679. 606.	3	1.2090 1.2095 1.2150	357.65 339.50 303.00	
F10dB from lab measurement F6dB			0.8513 0.8700		1.5666 1.5490	715.: 679.	3	1.2090 1.2095	357.65 339.50	
F10dB from lab measurement F6dB F3dB F1dB	ered	at ~ 630 Mhz	0.8513 0.8700 0.9120 0.9500		1.5666 1.5490 1.5180	715. 679. 606.	3	1.2090 1.2095 1.2150	357.65 339.50 303.00	
F10dB from lab measurement F6dB F3dB	ered		0.8513 0.8700 0.9120 0.9500 2007fall		1.5666 1.5490 1.5180	715. 679. 606.	3	1.2090 1.2095 1.2150	357.65 339.50 303.00	
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center	ered	OPERATIONAL L	0.8513 0.8700 0.9120 0.9500 2007fall		1.5666 1.5490 1.5180	715. 679. 606.	3	1.2090 1.2095 1.2150	357.65 339.50 303.00	
F10dB from lab measurement F6dB F3dB F1dB	ered		0.8513 0.8700 0.9120 0.9500 2007fall		1.5666 1.5490 1.5180	715. 679. 606.	3	1.2090 1.2095 1.2150	357.65 339.50 303.00	
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter cents Test LO 2 into RFCB		OPERATIONAL L 1.49000E+10	0.8513 0.8700 0.9120 0.9500 2007fall <b>02</b> Hz		1.5666 1.5490 1.5180 1.4470	715. 679. 606.	3	1.2090 1.2095 1.2150	357.65 339.50 303.00	
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f	ilter	0PERATIONAL L 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz	operational L0	1.5666 1.5490 1.5180 1.4470	715. 679. 606. 497.		1.2090 1.2095 1.2055 1.2150 1.1985	357.65 339.50 303.00 248.50	
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter cents Test LO 2 into RFCB	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz	operational L	1.5666 1.5490 1.5180 1.4470	715. 679.1 606. 497.	Center	1.2090 1.2095 1.2150 1.1985	357.65 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter cente Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz with the HCRO Low edge In GHz	operational L	1.5666 1.5490 1.5180 1.4470 D2) High edge In GHz	715. 679. 606. 497. Bandwidth	Center	1.2090 1.2095 1.2150 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB Bandpass filter specification F6dB	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 702 Hz Inversion by the HCRO Low edge In GHz 0.2680	operational Lo	1.5666 1.5490 1.5180 1.4470 002) High edge In GHz 0.9470	715. 679. 606. 497. Bandwidth In MHz	Center In Ghz	1.2090 1.2095 1.2150 1.1985 freq F	357.65 339.50 303.00 248.50 Range of freq c Gide of center 339.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz Inversion by the HCRO Low edge In GHz 0.2680 0.3100	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160	715. 679.1 606. 497.1 Bandwidth In MHz 679.1	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 5.06075 0.6075	357.65 339.50 303.00 248.50 Range of freq of center 339.50 303.00	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB Bandpass filter specification F6dB	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 702 Hz Inversion by the HCRO Low edge In GHz 0.2680	operational Lo	1.5666 1.5490 1.5180 1.4470 002) High edge In GHz 0.9470	715. 679. 606. 497. Bandwidth In MHz	Center In Ghz	1.2090 1.2095 1.2150 1.1985 freq F	357.65 339.50 303.00 248.50 Range of freq c Gide of center 339.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz Inversion by the HCRO Low edge In GHz 0.2680 0.3100	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160	715. 679.1 606. 497.1 Bandwidth In MHz 679.1	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 5.06075 0.6075	357.65 339.50 303.00 248.50 Range of freq of center 339.50 303.00	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB	ilter	1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz Inversion by the HCRO Low edge In GHz 0.2680 0.3100	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160	715. 679.1 606. 497.1 Bandwidth In MHz 679.1	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 5.06075 0.6075	357.65 339.50 303.00 248.50 Range of freq of center 339.50 303.00	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB	ilter	OPERATIONAL L 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 702 Hz Low edge In GHz 0.2680 0.3100 0.3480	operational L	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679.1 606. 497.  Bandwidth In MHz 679. 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB	ilter	OPERATIONAL L 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500  2007fall 002  Hz  hversion by the HCRO Low edge In GHz 0.2680 0.3100 0.3480	operational L(	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB	ilter	OPERATIONAL L 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9120 0.9500  2007fall 02 Hz  Inversion by the HCRO Low edge in GHz 0.2680 0.3100 0.3480	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679.1 606. 497.  Bandwidth In MHz 679. 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB	ilter	OPERATIONAL L 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9120 0.9500  2007fall 02 Hz  Inversion by the HCRO Low edge in GHz 0.2680 0.3100 0.3480	operational L(	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB	ilter	OPERATIONAL L. 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz niversion by the HCRO Low edge In GHz 0.2680 0.3100 0.3480	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB	ilter	OPERATIONAL L. 1.49000E+10 shape after downco	0.8513 0.8700 0.9120 0.9120 0.9500  2007fall 02 Hz  Inversion by the HCRO Low edge in GHz 0.2680 0.3100 0.3480	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB	ilter	OPERATIONAL L	0.8513 0.8700 0.9120 0.9500  2007fall 002 Hz In Control by the HCRO Low edge In GHz 0.2680 0.3100 0.3480  'dBm  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth	ilter	OPERATIONAL L: 1.49000E+10 shape after downco -20 1.56240E+09 5.00E+007	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz  niversion by the HCRO Low edge in GHz 0.2680 0.3100 0.3480  'dBm	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB	ilter	OPERATIONAL L	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz In GHz 0.2680 0.3100 0.3480  'dBm  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth	ilter	-20 1.56240E+09 5.00E+001 7.70E+001	0.8513 0.8700 0.9120 0.9500  2007fall  702  Hz  In GHz  0.2680 0.3100 0.3480  1dBm  Hz. This is Fixed.  Hz	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth	ilter	-20 1.56240E+09 5.00E+001 7.70E+001	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz In GHz 0.2680 0.3100 0.3480  'dBm  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate	ilter	1.4900E+10 1.4900E+10 shape after downco -20 1.56240E+09 5.00E+007 7.70E+001 1.5624E+08	0.8513 0.8700 0.9120 0.9500  2007fall 002 Hz In Company of the HCRO Low edge In GHz 0.2680 0.3100 0.3480  IdBm  Hz. This is Fixed. Hz Bz Bsamples per second	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth	ilter	1.4900E+10 1.4900E+10 shape after downco -20 1.56240E+09 5.00E+007 7.70E+001 1.5624E+08	0.8513 0.8700 0.9120 0.9500  2007fall  702  Hz  In GHz  0.2680 0.3100 0.3480  1dBm  Hz. This is Fixed.  Hz	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate	ilter	1.4900E+10 1.4900E+10 shape after downco -20 1.56240E+09 5.00E+007 7.70E+001 1.5624E+08	0.8513 0.8700 0.9120 0.9500  2007fall 002 Hz In Company of the HCRO Low edge In GHz 0.2680 0.3100 0.3480  IdBm  Hz. This is Fixed. Hz Bz Bsamples per second	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate	ilter	1.4900E+10 1.4900E+10 shape after downco -20 1.56240E+09 5.00E+007 7.70E+001 1.5624E+08	0.8513 0.8700 0.9120 0.9500  2007fall 002 Hz In Company of the HCRO Low edge In GHz 0.2680 0.3100 0.3480  IdBm  Hz. This is Fixed. Hz Bz Bsamples per second	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate	ilter	1.4900E+10 1.4900E+10 shape after downco -20 1.56240E+09 5.00E+007 7.70E+001 1.5624E+08	0.8513 0.8700 0.9120 0.9500  2007fall 002 Hz In Company of the HCRO Low edge In GHz 0.2680 0.3100 0.3480  IdBm  Hz. This is Fixed. Hz Bz Bsamples per second	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB  LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate	ilter	-20 1.56240E+09 5.00E+001 1.5624E+08 1.0416E+08	0.8513 0.8700 0.9120 0.9120 0.9500  2007fall 02 Hz In GHz 0.2680 0.3100 0.3480  'dBm  Hz. This is Fixed. Hz dB  Samples per second Samples per second	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate Clock into iADC	ilter	-20 1.56240E+08 5.00E+007 7.70E+001 1.5624E+08 1.0416E+08	0.8513 0.8700 0.9120 0.9500  2007fall 002 Hz In GHz In GHz 0.2680 0.3100 0.3480  'dBm  Hz. This is Fixed.  Hz Samples per second  Samples per second  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate Clock into iADC Sampled Nyquist band	ilter	1.56240E+09 1.56240E+00 1.56240E+08 1.0416E+08	0.8513 0.8700 0.9120 0.9500 2007fall 02 Hz noversion by the HCRO Low edge In GHz 0.2680 0.3100 0.3480  'dBm  Hz. This is Fixed.  Hz dB Samples per second  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB Bandpass filter specification) F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate Clock into iADC Sampled Nyquist band Low edge of sampled band	ilter	1.56240E+09 1.5624E+08 1.0416E+08 838860800 419430400	0.8513 0.8700 0.9120 0.9500  2007fall 022 Hz In GHz In GHz 0.2680 0.3100 0.3480  Hz. This is Fixed.  Hz This is Fixed.  Hz This is Fixed.  Hz This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate Clock into iADC Sampled Nyquist band Low edge of sampled band Center of sampled band Center of sampled band	ilter	-20 1.56240E+09 5.00E+001 7.70E+001 1.5624E+08 1.0416E+08	0.8513 0.8700 0.9120 0.9500 2007fall 002 Hz In GHz 0.2680 0.3100 0.3480  I'dBm  Hz. This is Fixed.  Hz Samples per second  Samples per second  Hz. This is Fixed.  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass fFCB Bandpass filter specification) F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate Clock into iADC Sampled Nyquist band Low edge of sampled band	ilter	1.56240E+09 1.5624E+08 1.0416E+08 838860800 419430400	0.8513 0.8700 0.9120 0.9500 2007fall 002 Hz In GHz 0.2680 0.3100 0.3480  I'dBm  Hz. This is Fixed.  Hz Samples per second  Samples per second  Hz. This is Fixed.  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either
F10dB from lab measurement F6dB F3dB F1dB W/ new 200 Mhz wide filter center Test LO 2 into RFCB RFCB output bands (bandpass f FCB Bandpass filter specification F6dB F3dB F1dB LO 2 out of RFCB LO 3 into Digitizer Board Low pass filter bandwidth dB gain for LPF bandwidth ADC sample rate Net data rate Clock into iADC Sampled Nyquist band Low edge of sampled band Center of sampled band Center of sampled band	ilter	-20 1.56240E+09 5.00E+001 7.70E+001 1.5624E+08 1.0416E+08	0.8513 0.8700 0.9120 0.9500 2007fall 002 Hz In GHz 0.2680 0.3100 0.3480  I'dBm  Hz. This is Fixed.  Hz Samples per second  Samples per second  Hz. This is Fixed.  Hz. This is Fixed.	operational Lo	1.5666 1.5490 1.5180 1.4470 22) High edge In GHz 0.9470 0.9160 0.8450	715. 679. 606. 497.  Bandwidth In MHz 606. 497.	Center In Ghz	1.2090 1.2095 1.2150 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985 1.1985	357.65 339.50 303.00 248.50 Range of freq of Gide of center 339.50 303.00 248.50	on either