

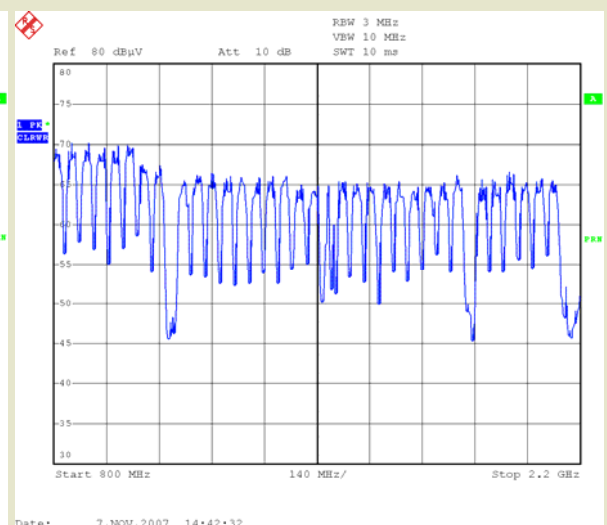
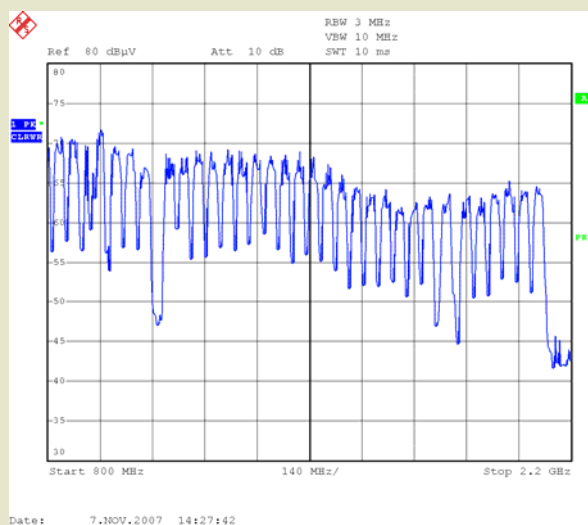
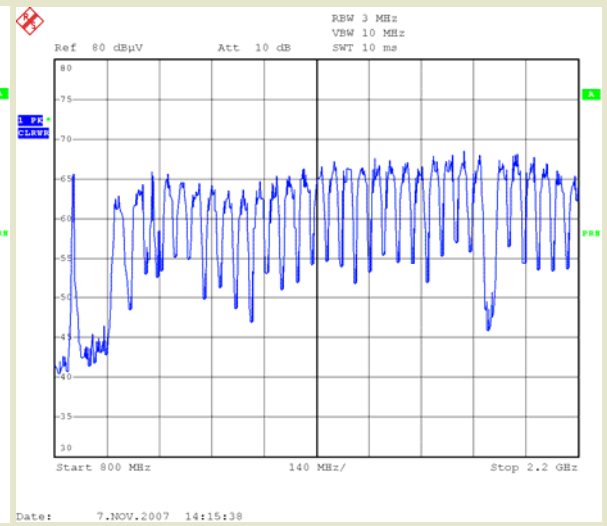
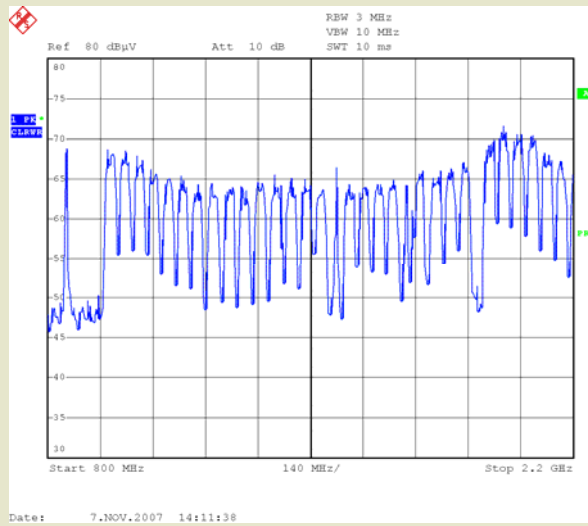
## Quattro LNB

performance is compliant with SMATV products and certified.

- Good linearity and TP BER
- Good impedance matching to 75 OHM
- High cross polarization isolation
- Low phase noise



## SMATV Certified Quattro LNB



GU-404 Quattro LNB is the fully certified by SMATV and a perfect platform in the region to reach your target.

<b>HOT BIRD</b>									
<b>Bouquet</b>	<b>Pol</b>	<b>1 IF</b>	<b>Freq.</b>	<b>PR S22</b>	<b>Programmi</b>	<b>BER1</b>	<b>PostVit1</b>	<b>Level1</b>	<b>MER</b>
ABSAT	HH	2092	12692	0	Onyx	2,2*10-6	0	77	12.6
Cyfra+	VL	969	10719	1	4 fun TV	1*10-6	0	63	14.4
SKY	HH	2131	12731	2	NatGeograf	2*10-6	0	75	11.3
RAI	VH	1166	11766	3	RAI1-2-3	1,2*10-7	0	74	15.1
RAI	VH	1204	11804	4	rai vari	1,0*10-6	0	75	14.5
SKY	VH	2113	12713	5	tg24sky	1,2*10-6	0	75	14.7
TELESPAZIO	HL	1429	11179	6	Sisal TV	4*10-7	0	75	15
POLSAT	HL	1663	11413	7	Polsat-6200SR	2*10-6	0	70	14.4
Globecast	VL	1873	11623	8	102.5HitCh	5*10-6	0	70	13.8
SKY	VH	1243	11843	9	Planet Jimmy	2,5*10-7	0	74	14.8
SKY	HH	1262	11862	10	Discovery	1,2*10-7	0	71	14.9
SKY	VH	1281	11881	11	Alice	1,7*10-6	0	74	13.9
SKY	HH	1300	11900	12	HappyCh	4*10-7	0	73	15
SKY	VH	1358	11958	13	SkySport	1,9*10-7	0	74	15.4
SKY	HH	1377	11977	14	Cartoon Net	1*10-6	0	72	13.9
SKY	VH	1396	11996	15	On Air	8PSK HD	0	75	n.d.
SKY	VH	1434	12034	16	Cinema	1*10-7	0	75	15.5
SKY	HH	1454	12054	17	MilanCh	3*10-7	0	72	14.2
SKY	VH	1473	12073	18	PrimaFila	1,5*10-5	0	75	14.2
SKY	VH	1741	12341	19	PrimaFila	9*10-6	0	72	13
SKY	VH	1818	12418	20	RAI Sat	1*10-6	0	72	14.1
SKY	HH	2016	12616	21	PrimaFila	2,3*10-5	0	74	12.2
SKY	VH	2035	12635	22	PrimaFila	5,5*10-6	0	75	14
British Telecom	HL	1387	11137	23	RomaUno	2,5*10-6	0	70	13.9
Mediaset	VH	1319	11919	24	C5 R4 I1	2*10-7	0	74	14.6
TELESPAZIO	VH	1511	12111	25	MadelItaly	2,1*10-6	0	74	14.1
TELESPAZIO	VH	2073	12673	26	TV Moda	1,5*10-6	0	75	13.7
NTI	VL	1450	11200	27	OdeonTV	2,3*10-5	0	71	13.2
TPS	VL	1912	11662	28	Multivision	3,8*10-7	0	71	15.4
ABSAT	HL	1931	11681	29	xxl chate	5*10-7	0	75	15
RR SAT	HL	1221	10971	30	TRT	5,1*10-5	0	70	12.4
RAI	VL	1242	10992	31	RAI INTERNATIONAL	1,2*10-7	0	70	15.6
TPS	VL	1284	11034	32	AAL JAZEERA	1,2*10-7	0	72	14.9
T-SYSTEM	HL	1304	11054	33	RTL WEST	1*10-6	0	70	14.3
VIACOM	VL	1325	11075	34	VIACOM	2,5*10-6	0	71	14
AFN	HL	1346	11096	35	PENTAGON CHANNEL	1,6*10-5	0	70	12.9
GLOBECAST	VL	1367	11117	36	BBC	1,2*10-7	0	71	14.8
TELESPAZIO	HL	1546	11296	37	ALL TV	1,7*10-6	0	70	14.2
MEDIASET	HL	1584	11334	38	BBC	4*10-6	0	71	13.4
GLOBECAST	VL	1835	11585	39	ARIANNA TV	1,1*10-5	0	70	13.3
SKYPLEX	VH	1958	12558	40	MONOSCOPIO TV	5*10-7	0	72	14.8
GLOBECAST	HH	1977	12557	41	EURONEWS	4*10-5	0	71	12.2
SKYTr1	HL	1469	11219	42	Jim Jam+primafila	3,5*10-6	0	75	14.3
SkyTr8	VL	1605	11355	43	Hdinfo+Primafila	1*10-6	0	72	14

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**ASTRA 19° EST**

DIGITAL+	VL	1038	10788	50	Taquilla1
DIGITAL+	VL	1568	11318	51	Documania
DIGITAL+	VL	1936	11686	52	Andalucia tv
DIGITALE	HL	1082	10832	53	Bibel TV
MTV NETWORK	VH	1139	11739	54	MTV Germany
PRO SIEBEM	VH	1451	12051	55	ProSiebenAustria
APS	VH	1880	12480	56	Sommercable
PREMIERE	HH	1120	11720	57	Premier Sport
RTL	HH	1398	12148	58	TheGodChannel
ORF	HH	2092	12692	59	GO TV
DIGITALE	VL	1818	11568	60	Arte
PREMIERE	HH	1158	11758	61	Junior
CANAL SAT	VH	1217	11817	62	Seasons
ZDF VISION	HH	1354	11954	63	ZDF
CANAL SAT	VH	1685	12285	64	Fashion TV
WDR	HH	1822	12422	65	WDR Sat Koln
DIGITALE	VH	1952	12552	66	RTL Lussemburgo
DIGITALE	VH	2010	12610	67	TV5 Europe

Instruments: UNAOHM EVO EP3000

Sky condition: clear

Date: 7 Nov 2007

Dish: 100cm offset

Satellite 13° EST HOT BIRD

DUT: LNB (GU404)

Amplifer stages: BGA2712 + BGA2709

Results: PASS

Good linearity and TP BER

Good impedance matching to 75 OHM

**Performance makes a perfect picture everywhere**



# G-STAR COMMUNICATIONS LTD.

<http://www.gstarcom.com>



## GU-404-03

### UNIVERSAL QUATTRO LNBF

**Good linearity and TP BER**  
**Good impedance matching to 75 OHM**  
**High cross polarization isolation**  
**Low phase noise**

	Low Band	High Band
<b>Input Frequency Range</b>	10.70 ~ 11.70 GHz	11.70 ~ 12.75 GHz
<b>Reflector Type</b>	Offset	
<b>F/D Ratio</b>	0.5 ~ 0.7	
<b>Cross Polarization Isolation</b>	25 dB (Typ.) / 20 dB (Min.)	
<b>Noise Figure</b>	0.6 dB Typical	0.6 dB Typical
<b>Conversion Gain</b>	50 dB (Min.) / 55 dB (Max.)	
<b>Gain Flatness</b>	±0.5 dB / 27 MHz	
<b>Output Frequency Range</b>	Port 1: 950 ~ 1950 MHz Horizontal Port 2: 1100 ~ 2150 MHz Horizontal Port 3: 950 ~ 1950 MHz Vertical Port 4: 1100 ~ 2150 MHz Vertical	
<b>L.O. Frequency</b>	9.75 GHz	10.60 GHz
<b>In Band Spurious Level</b>	-60 dBm (Max.)	
<b>L.O Frequency Stability</b>	1. ±1 MHz (Room Temperature) 2. ±3 MHz (-40°C to +60°C)	
<b>L.O. Phase Noise</b>	-55 dBc / Hz (@ 1 KHz) -80 dBc / Hz (@ 10 KHz) -100 dBc / Hz (@ 100 KHz)	
<b>Output Power Level (At 1 dB Gain Compression)</b>	0 dBm (Min.)	
<b>Image Rejection</b>	45 dB (Min.)	
<b>Output Return Loss</b>	-10 ~ -15dB	
<b>Output Connector</b>	75 Ω F Type Female	
<b>DC Current Consumption</b>	210 mA Typical	
<b>Operating Voltage</b>	11.5 ~ 20.0 V	
<b>Operating Temperature</b>	-40°C to +60°C	