

BUC Test Report

Test Date:	27/07/2024
------------	------------


Model No	ALB190AGC-150J-M
Serial No.	950000685
Description	Agilis C-Band BUC 150Watt
BUC Available	Yes

Local Oscillator (LO)	4900MHz
Linearizer	Not Available
Reference type(10MHz)	External
Attenuation	30dB
Signal Gain	70dB Min

RF Freq.: 5.85Ghz/ L Band 950Mhz				RF Freq.: 6.00GHz/ L Band 1100Mhz				RF Freq.: 6.725GHz/ L Band 1825Mhz		
L-Band Input Level	Attenuation	RF Output in dBm (Sample Port)		L-Band Input Level	Attenuation	RF Output in dBm (Sample Port)		L-Band Input Level	Attenuation	RF Output in dBm (Sample Port)
-39	0	35.7		-39	0	39.5		-39	0	36.1
-35	0	40.5		-35	0	43.8		-35	0	39.8
-30	0	45.8		-30	0	49.2		-30	0	45.2
-26	0	49.6		-26	0	51.9		-26	0	49.3

RF Freq 5.85Ghz / RF INPUT -39/ Output 35.7 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)




TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	35.7	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-45	Online Path	N/A
Temperature [°C]	30		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 5.85Ghz / RF INPUT -35/ Output 40.5 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)




TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	40.5	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-41	Online Path	N/A
Temperature [°C]	36		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 5.85Ghz / RF INPUT -30/ Output 45.8 dBm/ Attn 0 db


[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)

TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	45.8	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-42	Online Path	N/A
Temperature [°C]	37		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 5.85Ghz / RF INPUT -26/ Output 49.7 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)


TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	49.7	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-28	Online Path	N/A
Temperature [°C]	38		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6Ghz/ RF INPUT -39/ Output 39.4 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)




TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	39.4	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-43	Online Path	N/A
Temperature [°C]	40		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6Ghz/ RF INPUT -35/ Output 43.8 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)




TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	43.8	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-37	Online Path	N/A
Temperature [°C]	40		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6Ghz/ RF INPUT -30/ Output 49.2 dBm/ Attn 0 db


[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)

TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	49.1	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-35	Online Path	N/A
Temperature [°C]	41		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6Ghz/ RF INPUT -26/ Output 51.8 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)


TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	51.8	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-28	Online Path	N/A
Temperature [°C]	41		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6.275Ghz/ RF INPUT -39/ Output 35.9 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)




TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	35.9	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-38	Online Path	N/A
Temperature [°C]	42		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6.275Ghz/ RF INPUT -35/ Output 39.8 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)




TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	39.8	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-34	Online Path	N/A
Temperature [°C]	42		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6.275Ghz/ RF INPUT -30/ Output 45.5 dBm/ Attn 0 db


[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)

TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	45.5	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-31	Online Path	N/A
Temperature [°C]	42		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

RF Freq 6.275Ghz/ RF INPUT -26/ Output 49.3 dBm/ Attn 0 db

[Device Information](#)[Device Status](#)[Device Alarm](#)[Device Configuration](#)[SNMP Configuration](#)

TX STATUS		REDUNDANCY STATUS	
Output Power Level [dBm]	49.3	Redundancy	Disabled
Reflected Power Level [dBm]	<25.0	Switch Mode	N/A
Input Power Level [dBm]	-32	Online Path	N/A
Temperature [°C]	42		
RF Output	ON		
RF Output (Startup)	ON		
Attenuation [dB]	0.0		

[Refresh Status](#)

Best viewed in Google Chrome and IE8+

Device Information:

DEVICE INFORMATION


Device ID	Unit A
Part Number	ALB190ACG-150JM
Serial Number	950000685
SSPA Firmware Version	117
BUC Firmware Version	108

INTERFACE INFORMATION

Serial Comm Mode	RS232
DHCP	Disabled
Device IP	192.168.1.1
Device Subnet Mask	255.255.255.0
Device Gateway	192.168.1.1

[Refresh Status](#)

Device Alarms:



Device InformationDevice StatusDevice AlarmDevice ConfigurationSNMP Configuration

ALARMS

BUC & SSPA ALARMS	REDUNDANCY ALARMS
RF LO Status ●	Path A Status ●
RF Output Low Status ●	Path B Status ●
RF Output Status ●	
Temperature Status ●	
Reflected Power Status ●	
RF Module Status ●	

Legend: ● - OK ● - Major Alarm ● - Minor Alarm ● - N / A

[Refresh Status](#)

Device Configuration:

NETWORK CONFIGURATION				Change Password
Device ID	Unit A		<input type="button" value="Set"/>	
Serial Communication Mode[PC]	RS232		<input type="button" value="Set"/>	
WiFi Enable	Disable		<input type="button" value="Set"/>	
DHCP Enable	<input type="checkbox"/>		<input type="button" value="Set"/>	
Device IP (Static)	192.168.1.1		<input type="button" value="Set"/>	
Device Subnet Mask	255.255.255.0		<input type="button" value="Set"/>	
Device Gateway	192.168.1.1		<input type="button" value="Set"/>	
<i>Caution: Setting a wrong IP here may cause the Device to be not accessible.</i>				
OPERATIONS				
BUC		RCU		
Parameter	Operation	Parameter	Operation	
RF Output	ON <input type="button" value="Set"/>	Redundancy	Disable <input type="button" value="Set"/>	
RF Output (Startup)	ON <input type="button" value="Set"/>	Switch Mode	Auto <input type="button" value="Set"/>	
Attenuation(0-30,0.5dB Step)	0.0 <input type="button" value="Set"/>	Online Path	Path A <input type="button" value="Set"/>	
Refresh Status				

Technical Specification:

Technical Specifications

RF Specifications

Transmit Frequency	Intelsat / Full C/ Insat/ Palapa C/Extended
IF Frequency Range	Refer to Table 1
Output Power @ Psat	50dBm (100W) / 51.8dBm (150W) / 53dBm (200W)
Small Signal Gain	70dB Min
Gain Flatness	±2dB over the O/P frequency band
Gain Variation	±1.5dB over the operating temperature range
Gain Control	30dB in step of 0.1dB
Inter Modulation	-25dBc @ Relative to combine power of two carriers at 3dB total power backoff from Rated Output power
O/P spurious	According to EN301443
Phase Noise @ Offset	
1KHz	-80dBc/Hz
10KHz	-90dBc/Hz
100KHz	-100dBc/Hz
I/P VSWR	1.5:1
O/P VSWR	1.5:1
Noise Power Density Tx BD	70dBm/ 4KHz
Rx BD	142dBm/ 4KHz

Monitor & Control

Monitor	BUC Temperature Status Alarm RF Output Power/RF Input Power RF Reflected Output Power LED Status Indication
Control	Attenuation RF output mute
Interface	RS232/485, Ethernet (SNMP & HTTP) & Wifi (Optional)
Tx Redundancy	Built-in

Environmental

Operating Temperature	-40°C to +60°C
Humidity	Up to 100% Weather protection sealed to IP65

Mechanical

Size	284L x 209W x 164H
------	--------------------

