

1. BLOCK DIAGRAM WITH IGAU AMPLIFIER

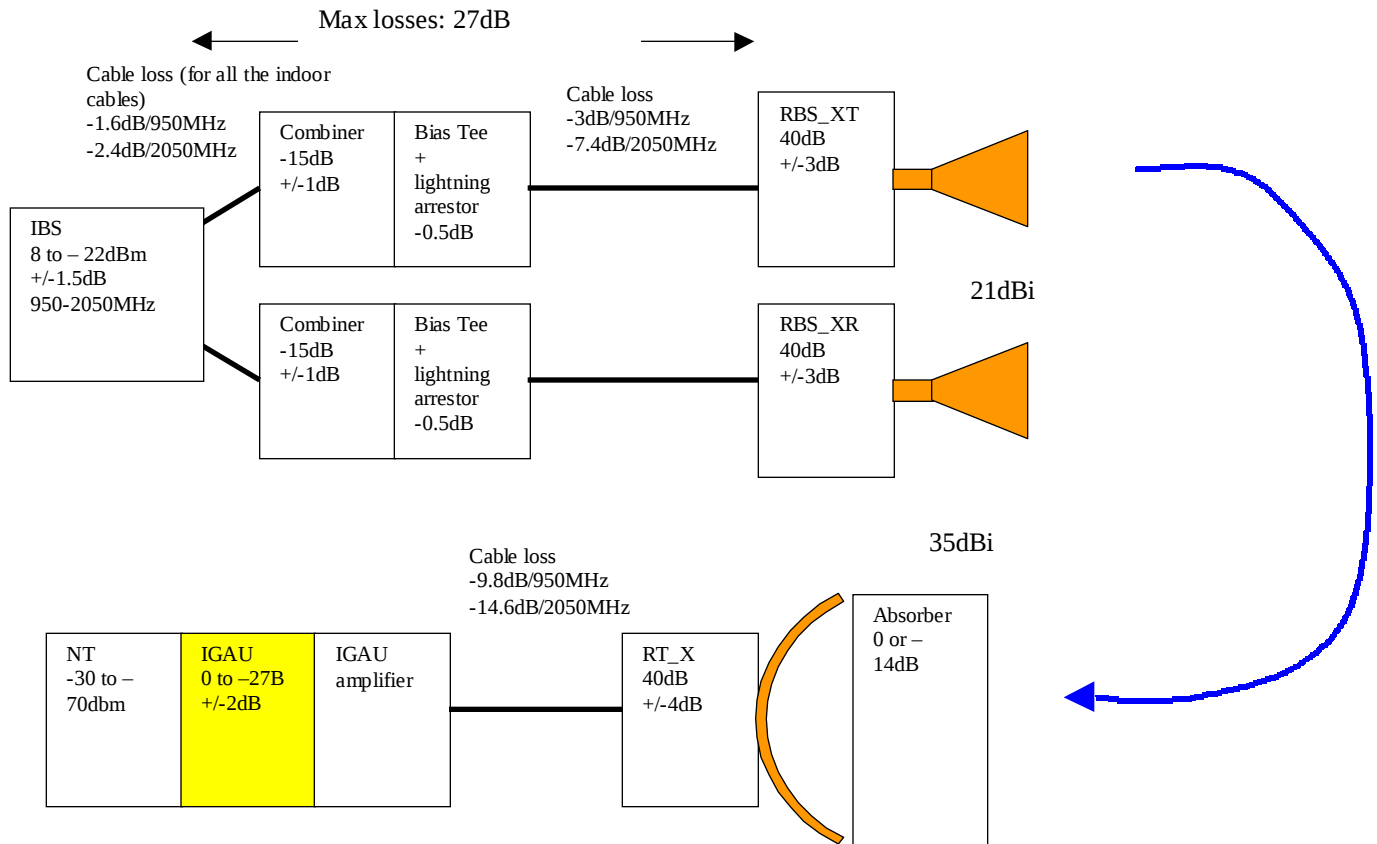
IGA 0 to – 27dB +/-2dB	IGA amplifier IF Rx : as repeter –18dB -3.5dB/950MHz 1dB/1500MHz 5dB/2050MHz	IF Rx Cable loss -9.8dB/950MHz -12.4dB/1500MHz -14.6dB/2050MHz	RT_X Tx::35dB Rx:40dB
	IF Tx : as repeter 8.8dB/400MHz 10.5dB/550MHz 12dB/700MHz	IF Tx Cable loss -6dB/400MHz -8dB/550MHz -8dB/700MHz	

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IGA 0 to – 27dB +/-2dB	IGA amplifier + cable + RT_X		
	Rx : 26.7dB/950MHz 28.6dB/1500MHz 30.4dB/2050MHz	Rx : 28.6dB +/-1.9dB	
	Tx : 37.8dB/400MHz 38.5dB/550MHz 39dB/700MHz	Tx : 38.4dB +/-0.6dB	

2. BLOCK DIAGRAM DOWN LINK

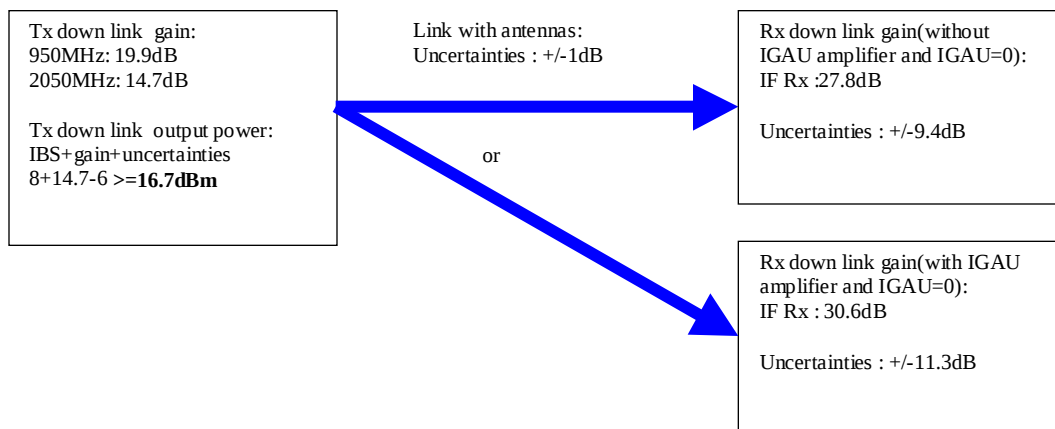
Hereafter the block diagram down link from the IBS to the NT.



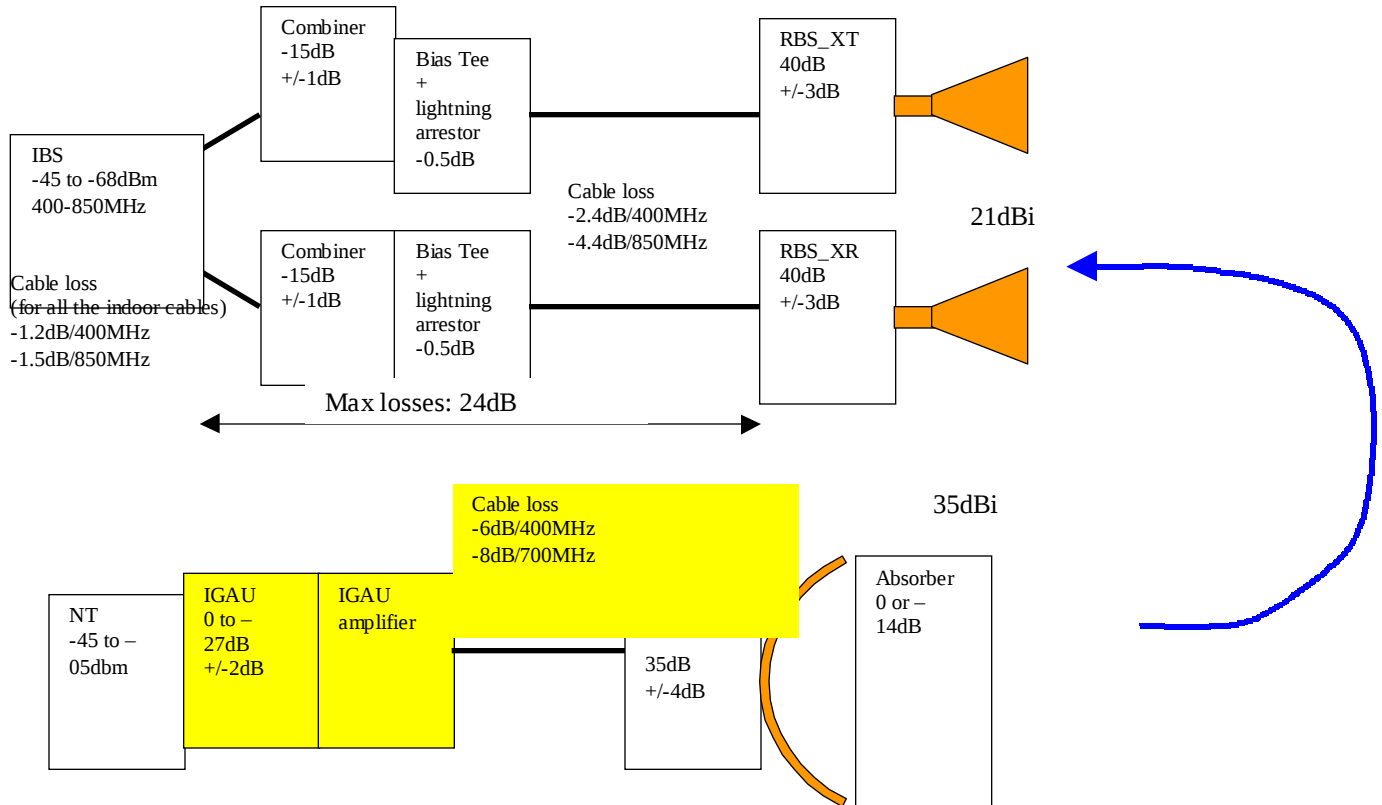
The block diagram can be simplified as follows :

We verify that the output power is always better than 17dBm (the result is 16.7dBm).

The uncertainties linear sum is +/-15.4dB when we are in IGAU configuration and +/-17.3dB in IGAU amplifier configuration.



3. BLOCK DIAGRAM UP LINK



The block diagram can be simplified as follows.

The uncertainties sum is +/-14dB when we are in IGAU configuration and +/-14.8dB in IGAU amplifier configuration.

