Case study:

Solution



Comparison between two solutions

Solving network powering problem with Power Booster

The problem occurs due to extremely long runs of the coaxial cables feeding six RF amplifiers Output voltage of the local power supply is 87V (*complying North American standard maximum AC voltage level of 87V RMS*). AC voltages at the locations of three remote amplifiers (MB1,MB2 and MB3) drop below minimum required for proper operation of their respective SMPS. This leads to unacceptable network instability.

		<u>Comparison between two solutions</u>	
Traditional	Safecom	Traditional	Safecom
The traditional solution	Safecom offers elegant	Materials: 380m of	Materials: 1 Power Booster
implies splitting network	solution based on its	coaxial cable, 1 splitter,1	with connection kit, 1 housing-
branch into two sections,	Power Booster	LPI, 4 cable connectors, 1	to-housing connector
each of them is fed by	technology. The device	housing-to-housing	
separate cable. In our	installed at the input of	connector	
example the additional	T2 raises the voltage by	Labor : 20 working hours	Labor : 0.5 working hours
span of cable, of the	14V eliminating the		
length 380m, was	problem.		
connected via PI to the			
remote amplifiers.			

Prior Map : Unstable Network due to "Low Voltage" Problem



Safecom Solution: Use of Power Booster



Alternative Solution: Power Split + Addition of Cable Span

