

NASA: Goddard Space Flight Center

NASA turns to SureCall's cell signal boosters and DAS Worldwide's cellular solutions experts to improve their weak cellular signals.

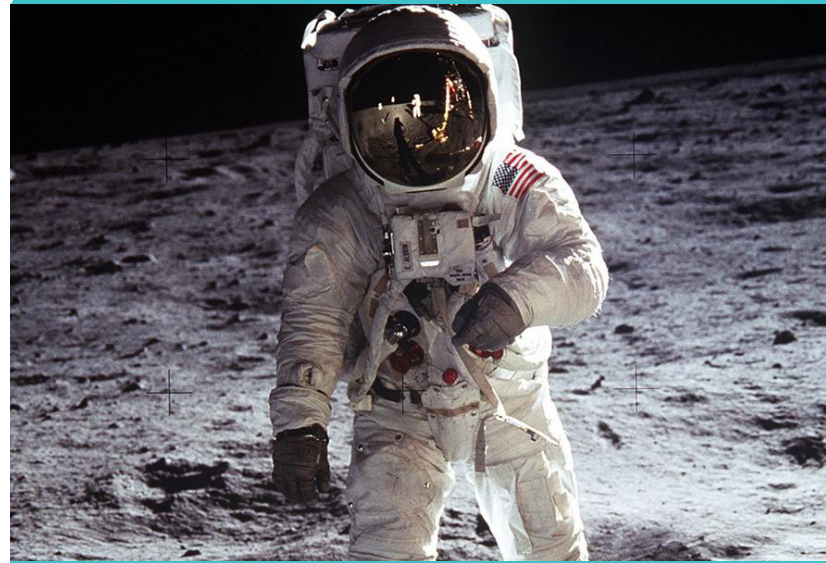
THE CHALLENGE

NASA needed a permanent solution that would reconnect these cell signal black-holes with the rest of the organization. Although NASA could have assigned a team to design and deploy a solution, they trusted DAS Worldwide to choose and install the best cellular solution available.

NASA needed a cellular signal boosting solution that fit within their budget, required no downtime, could be installed quickly, and would be reliable and low-maintenance. Both buildings had strong cell signals outside of the building but the signal simply could not penetrate into the buildings.



"When we were briefed on their problems and asked to bid on solutions, we knew immediately that cell phone signal boosters would be the best solution for both sites," explains Joe Comizio of DAS Worldwide.



THE CLIENT

NASA, an organization comprised of some of the world's brightest minds, performs extraordinary space missions but, like us all, their operations depend on meeting foundational needs here on Earth.

Inter-team communication is vital on such massive projects with mission-critical deadlines. The weak cell signals they had within their Satellite Services Capabilities Office (SSCO) and James Webb Space Telescope Facility had been creating frustration and bogging efficiency.

THE SOLUTION

After a comprehensive on-site survey, DAS Worldwide gained a deeper understanding of the problems at hand, the causes, and pinpointed the best solution to resolve them.

SureCall cell phone signal boosters and antennas were used for their robust cell signal improving power and industry-leading reliability. Each 15,000 square-foot building could be fully served by one SureCall Force5™, one omni-directional donor antenna, and an arrangement of indoor dome antennas.

When asked why he chose the SureCall Force5, Comizio said "quite simply, it's a bullet-proof performer."

After three-days and no disruptions to workflow, the NASA facilities had traded their dropped calls for full bars. Now, with great call quality throughout each of these buildings, NASA's teams spend less time searching for a cell phone signal and more time orbiting the moon, exploring new galaxies, and furthering our understanding of space.

ABOUT DAS WORLDWIDE

DAS Worldwide delivers in-building and outdoor wireless infrastructure solutions using the latest technologies that meet their clients' specific needs. Its clients' sites range from airports, to concert halls and sports stadiums, to industrial sites, to corporate and educational campuses, to residential buildings and shopping centers.

ABOUT SURECALL

SureCall is the multi-patented industry leader in cell phone signal boosters, combining high quality technology with innovative designs to create award-winning boosters that dramatically improve cell phone reception, including voice or 4G data, for homes, cars and businesses.

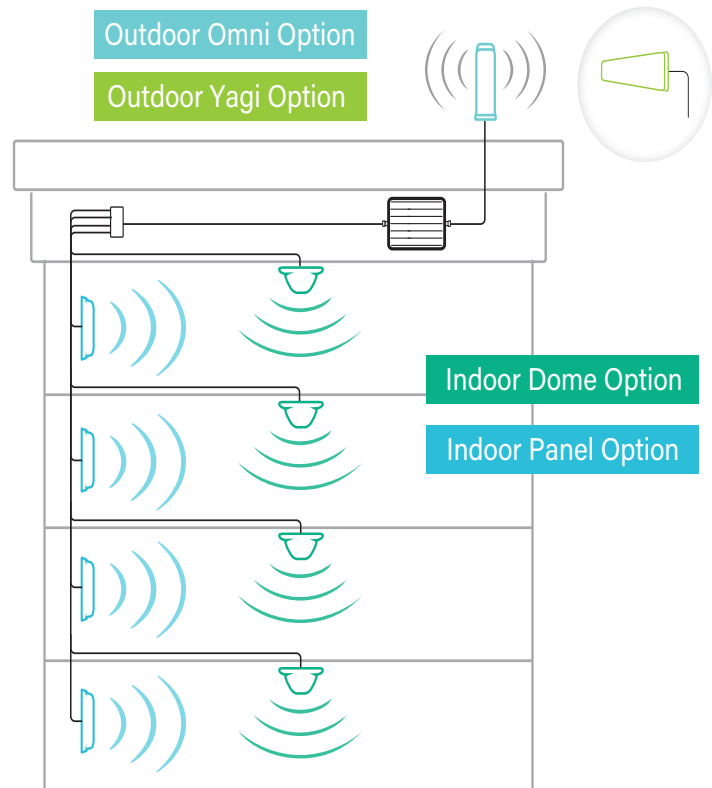
Force5

- Boosts voice, text and 4G LTE data signals up to 25,000 sq. ft. and supports 100+ simultaneous users
- Reduces dropped and missed calls and provides faster, more reliable 4G LTE data performance
- All carrier frequencies are independently controlled for optimal performance



PRODUCT SPECIFICATIONS

| Product Name | Force5 |
|---------------------------|--|
| Uplink Frequency Range: | Cellular: 824-849 MHz (G-Blocked Included) PCS: 1850-1915 MHz LTE-V: 776-787 MHz LTE-A: 698-716 MHz AWS: 1710-1755 MHz |
| Downlink Frequency Range: | Cellular: 869-894 MHz (G-Blocked Included) PCS: 1930-1995 MHz LTE-V: 746-757 MHz LTE-A: 728-746 MHz AWS: 2110-2155 MHz |
| Maximum Gain: | 72 dB |
| Supported Standards: | All 2G, 3G and 4G standards |
| AC Input: | 110 V, 60 Hz |
| Cable: | SC-400 |
| RF Connectors: | N Female (both ends) |
| Dimensions: | 15-1/2" X 11 X 3-1/2" |
| Weight: | 19.5 lbs. |
| FCC (USA): | RSNCM5000 |



Specifications are subject to change. Specifications contained within apply only to products meeting the latest FCC Certification Guidelines of 2/20/2013.