

Date: February 29, 2024

Diving into RF and Microwave Noise Solutions: Noisecom's Collaborative Insights with ACE Solution



Caption: James Lim, WTG Application Engineer (left), Tony Hsu, ACE Solution Marketing Vice President (middle), Roger Fayad, WTG International Sales Director (Right)

Taipei, Taiwan / United States - February 29, 2024 – In the dynamic realm of electronic noise generation, Noisecom, a key player under Wireless Telecom Group (WTG), offers a diverse range of cutting-edge products. From noise diodes and Built-In Test Equipment (BITE) modules to calibrated noise sources, jitter sources, cryogenic noise standards, and programmable instruments, Noisecom has firmly established itself as the go-to source for advanced noise solutions. ACE Solution has been collaborating with Noisecom for over a decade. Initially focused on serving the needs of chipset manufacturers, it has evolved significantly since then.

Specially invited to share their insights, two key figures from Noisecom bring invaluable expertise. Roger Fayad, Noisecom's International Sales Director, boasts over 15 years of experience in this dynamic market. James Lim, Noisecom's seasoned Application Engineer, plays a pivotal role in ensuring technical clarifications and specification confirmations meet the highest standards, drawing on his strong background of over 30 years in RF and Digital communications.

In the Radar and Satellite industries, both civilian and military, Noisecom takes center stage, emphasizing on receiver sensitivity verification and testing markets. The other primary market revolves around high-speed data communication applications, especially for chipset manufacturers. As chip designs become smaller and faster, stress testing becomes paramount. Taiwan emerges as a potential growth market, driven by the

exponential growth in mobile broadband and the fusion of the physical world with computer-generated elements. Noisecom is crucial in providing noise generators for testing receivers as data rates continue to climb. *"Some companies don't know our solutions are available for them to stress their designs or prototypes. Apart from that, they do not have the know-how to build noise generators for stress testing.*

So, it's to our advantage and we need to increase our visibility.", says Roger. James also mentions, *"We can couple noise onto single-channel data speed of up to 120 Gigabits per second which has enough margin for our present market requirements."*

Noisecom's unique adaptability to offer customized noise testing solutions provides exceptional value to our customers. The capability to offer unique solutions based on customer needs, be in switchable frequency band and/or higher output power level, sets Noisecom apart. Roger emphasizes, *"ACE team is highly competent and has solid understanding of the technologies and client base. Their knowledge and abilities open doors to endless interactions with customers. That's why our collaboration with ACE continues to be successful"*. He sees ACE Solution's ability to grasp global technology trends as a critical contributor to the partnership's success. On the other hand, James underscores, *"The market challenge lies in keeping pace with evolving technologies, particularly with the rapid advancements in 5G, 6G, and beyond 6G; which are the powerhouse for delivering hyperconnectivity. High bandwidth and faster data rates present challenges for customers, and that offers Noisecom the opportunity to provide customized solutions. We encourage ACE to continue keeping abreast of the technological waves in Taiwan"*. He envisions a sustained and successful collaboration.

Specific market opportunities for ACE Solution and Wireless Telecom Group, including BOONTON for radar applications and WiFi compliance testing is on the horizon. We foresee the potential for power meters in airports, given the similarity between commercial and military radar applications.

Together with Boonton's offering for the radar, wireless communication, and satellite testing; and the collaborative spirit between Wireless Telecom Group and ACE solution, we are poised to succeed in meeting the ever-evolving demands of the industry in Taiwan.

For media inquiries, please contact:

ADVANCED COMM.ENGINEERING SOLUTION CO., LTD.

Peter Lee, Jenny Lin

Address: 2F-1, No.28, Taiyuan street, Jhubei City, Hsinchu County, 302, Taiwan

Telephone: +886 3 5500909 #3801, +886 3 5500909 #3407

E-mail: service@acesolution.com.tw

Website: <https://www.acesolution.com.tw/en/>

Wireless Telecom Group

25 Eastmans Road

Parsippany, NJ 07054

United States

Phone: +1 (973) 386-9696

Fax: +1 (973) 386-9191

Email: info@wtcom.com

About ACE Solution

Established in 2000, ACE Solution (<https://www.acesolution.com.tw/en/>) is headquartered in Hsinchu City, Taiwan, with branch offices strategically located in Suzhou and Shenzhen, China. Our company is dedicated to delivering tailored test solutions that cater to the specific requirements of our customers in the field of electrical components, devices, and system manufacturing. Furthermore, we collaborate with our esteemed partners to provide comprehensive technology solutions. At ACE Solution, we specialize in RF, mmWave, and terahertz technologies, boasting an accomplished team of technical experts who offer unparalleled support. Our commitment to professionalism, innovation, and versatility enables us to offer cutting-edge integrated techniques and solutions. By leveraging our expertise, we empower our clients to overcome technological challenges and achieve their desired outcomes efficiently and effectively.

About Wireless Telecom Group

Wireless Telecom Group, Inc., comprised of Boonton, Holzworth, and Noisecom, is a global designer and manufacturer of advanced RF and microwave components, modules, systems, and instruments. Serving the wireless, telecommunication, satellite, military, aerospace, and semiconductor industries, Wireless Telecom Group products enable innovation across a wide range of traditional and emerging wireless technologies. With a unique set of high-performance products including peak power meters, signal generators, phase noise analyzers, signal processing modules, noise sources, and programmable noise generators, Wireless Telecom Group enables the development, testing, and deployment of wireless technologies around the globe. Wireless Telecom Group is headquartered in Parsippany, New Jersey, in the New York City metropolitan area, and maintains a global network of Sales and Service offices for excellent product service and support.