

# Global Wireless & RF Type Approval Certification for

In today's world of rapidly advancing technology, more and more radio frequency (RF) devices are brought into our everyday lives, making testing and certification for wireless equipment more important. To safeguard human health, maintain communication efficiency, and minimise conflict or interference between operating equipment, various standards and regulations on electromagnetic compatibility are enforced in different parts of the world. Electronic and electrical equipment, whether its RF emission intentional, must meet the relevant regulatory requirements before it can be put on the market.

Hong Kong Standards and Testing Centre (STC) can help you meet the relevant regulatory requirements, improve product performance and reduce the risk of costly non-compliance.

## Radio Devices & Products with Integrated Wireless Technology



### ACCREDITED TESTING & CERTIFICATION SERVICE

STC Germany GmbH is a Notified Body with BNetzA and DAkkS accredited facility in Germany for RED (Radio Equipment Directive), EMC (ElectroMagnetic Compatibility), EMF (Electromagnetic Field) and product safety testing. STC is also an accredited laboratory by DAkkS (Germany), HKAS (Hong Kong) and CNAS (China). Depending on your sources of supply in China or the EU, STC can provide the most comprehensive RF products testing and certification service to fulfil the global RF requirements.

### PREVAILING RF STANDARDS IN THE EU FOR SPECIFIC PRODUCTS:

PRODUCTS	STANDARDS
Land mobile service	EN 300 086, EN 300 113, EN 300 296, EN 300 390, EN 301 166
Short range devices	EN 300 220, EN 300 330, EN 300 440
Data transmission equipment (2.4 GHz band)	EN 300 328
Wireless microphones	EN 300 422
Portable VHF radiotelephone equipment for the maritime mobile service (non-GMDSS applications)	EN 301 178
Cordless audio devices	EN 301 357
Low power active medical implants (LP-AMI)	EN 301 559
5 GHz RLAN	EN 301 893
Transmitting equipment for the FM sound broadcasting service	EN 302 018
Ultra low power active medical implants (ULP-AMI)	EN 302 195
Radio frequency identification (RFID) equipment	EN 302 208

PRODUCTS	STANDARDS
5.8 GHz fixed broadband data transmitting systems	EN 302 502
Ultra low power animal implantable devices (ULP-AID)	EN 302 536
Radio equipment for Eurobalise railway systems	EN 302 608
Radio equipment for Euroloop railway systems	EN 302 609
Medical body area network systems (MBANSs)	EN 303 203
Network based short range devices (SRD)	EN 303 204
Amplifiers and active antennas for TV broadcast reception in domestic premises	EN 303 354
Social alarms equipment	EN 303 406
Ultra wide band (UWB) devices	EN 302 065

## PRODUCTS

## STANDARDS

Wi-Fi 6 GHz Band Devices	EN 303 687
New Radio (NR) User Equipment	EN 301 908-1, EN 301 908-25
New Radio (NR) Base Station	EN 301 908-1, EN 301 908-24
Radiocommunications Apparatus Operating in 60 GHz Band	EN 302 567, EN 305 550-2
E-UTRA Devices	EN 301 908-1, EN 301 908-13
Digital Fixed Link Equipment	EN 302 217-2-2
Short-range Radar Equipment in 79 GHz Band	EN 302 264-2
Radiation Safety of Wireless Devices	EN IEC/IEEE 62209-1528

## GLOBAL MARKET ACCESS

Below table shows the specific RF requirements in global market access, but not limited to:

ASIA			CENTRAL / SOUTH AMERICA		
 CHINA (SRRC)	*exempted for lower power & short range device	 SINGAPORE (IDA)	 THAILAND (NTC)	 COSTA RICA (SUTEL)	 EL SALVADOR (SUTEL)
 HONG KONG (OFCA)	HKCA 1035 / HKCA 1039	 KOREA (MIC)	 VIETNAM (MIC)	 HONDURAS (CONATEL)	 NICARAGUA (TELCOR)
 JAPAN (MIC)	Specified Radio Equipment, Article 2 paragraph 1 item 19	 INDIA (TEC)		 PANAMA (ASEP)	 GUATEMALA (SIT)
EUROPE		NORTH AMERICA		OTHERS	
 EUROPE (RED, SAFETY)		 US (FCC)	Part 15 subpart C 15.247	 CANADA (IC – RSS 247)	 AUSTRALIA & NEW ZEALAND (RCM AS / NZS 4268, CISPR 32)
					 SOUTH AFRICA (ICASA)

## ONE-STOP SERVICE

Our proven expertise allows us to provide fast turnaround time and unrivalled technical support for your product development to final launch.

### Our world-renowned testing and certification services include:

- ▶ One-stop product testing and certification including CB, CE, CCC, SRRC, OFCA, RCM, KC, VCCI, etc.
- ▶ EMC testing – RED, EMC & FCC/IC testing and certification
- ▶ Type approval by EU Notified Body, STC Germany GmbH (NB 2522) in Germany
- ▶ Technical support services at various design stages
- ▶ Issue HOKLAS endorsed test reports\*
- ▶ Other services such as training, seminar and technical consultancy

\*For the accredited activities under HOKLAS (Reg. no. 003), please refer to the scope of accreditation on HKAS website.

