

12. APPENDIX A GEO-LOCATION VALIDATION DATA

The following data is provided for information and is outside the scope of UL's accreditation. The testing was performed by LG to show that the geo-location mechanism correctly enabled or disabled channels 12 and 13 based on the country code sent by the base station simulator

Wi-Fi Channel setting operation description

Network mode	LG Description	Test Result
No country code received	The device only operates with the default country code(12/13 channels disable)	Please refer to page 2,3
Invalid country code received	The device can't get invalid country code. If the network is connected, the country code is set in US(12/13 channels disable). Otherwise, if the network is not connected, the device operates with the default country code (12/13 channels disable)	
US country code	If the network is connected, the country code is set in US(12/13 channels disable). Otherwise, if the network is not connected, the device operates with the default country code (12/13 channels disable)	
US territories country code (Guam, Puerto Rico)	If the network is connected, the country code is set in US(12/13 channels disable). Otherwise, if the network is not connected, the device operates with the default country code (12/13 channels disable)	
Non-US country code	If the network is connected, the country code is set according to the network service. Otherwise, if the network is not connected, the device operates with the default country code (12/13 channels disable)	
Airplane mode	The device only operates with the default country code(12/13 channels disable)	
On loss of non-US country code (drop the link and verify device returns to default state)	The device only operates with the default country code(12/13 channels disable)	

* Default country code : the default setting of this device does not support WiFi 2.4GHz Channel 12&13.

Wi-Fi Channel setting operation description

◆ How to test?

1. AP Set to 12 or 13 channel
2. Settings -> Wi-Fi -> Wi-Fi On
3. A device could not search the AP

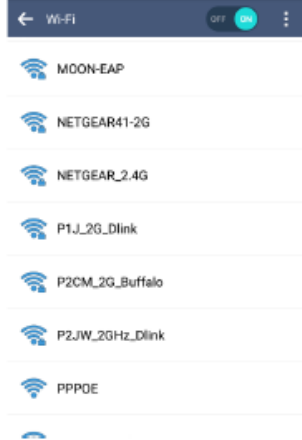
Ex)



Ex)

SSID : "P2KS_2G_DLINK"
Channel : 13

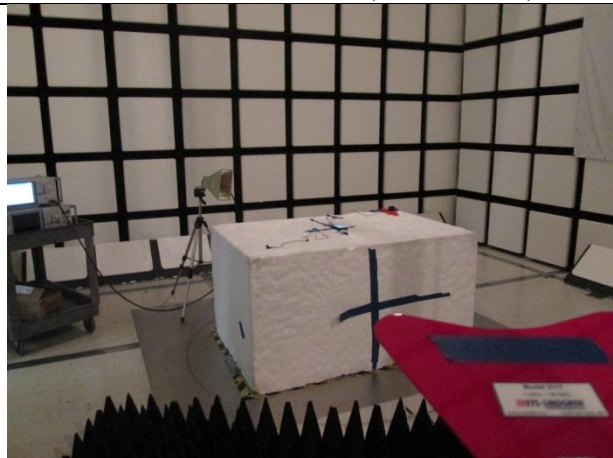
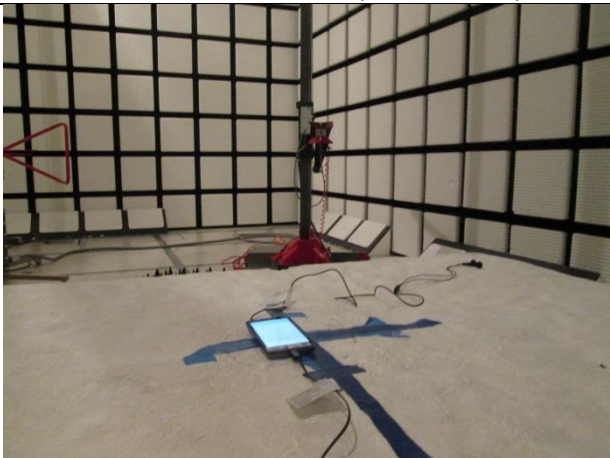
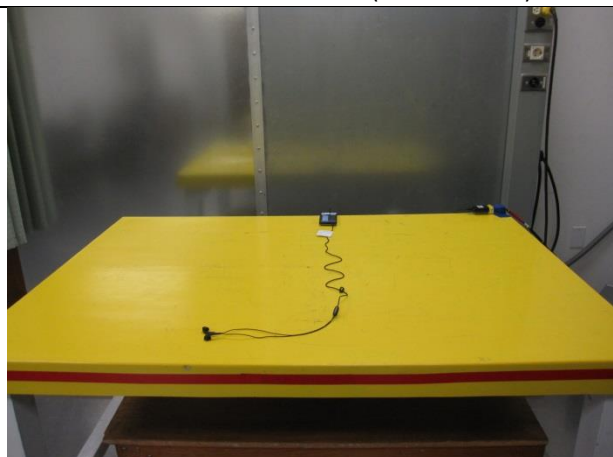
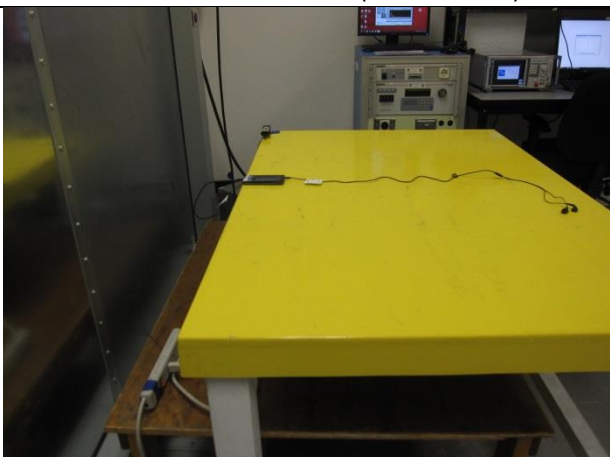
- If a device disabled to 12/13 channel , could not search it.



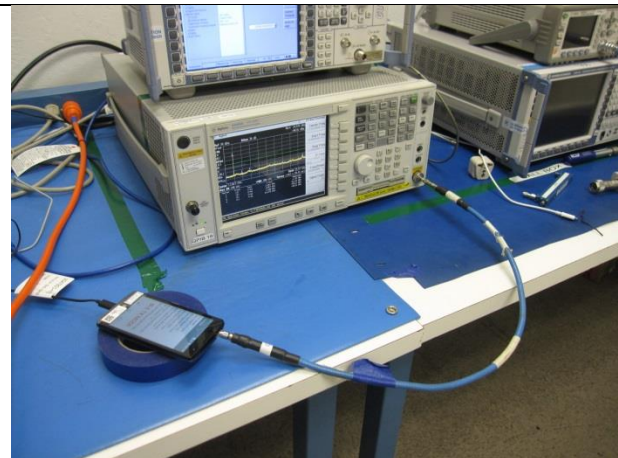
- If a device enable to 12/13 channel, could search it.



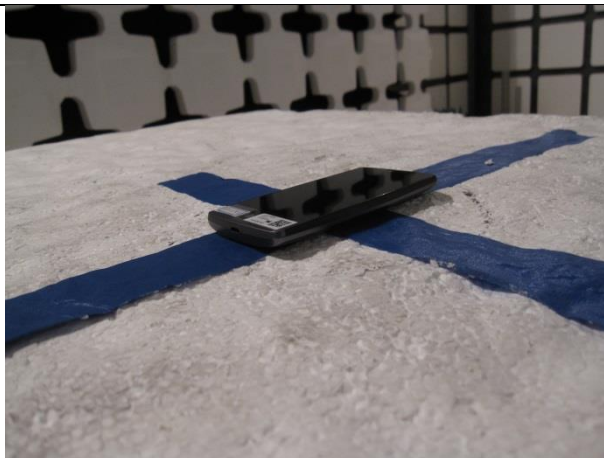
13. SETUP PHOTOS

RADIATED AND POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP	
	
RADIATED FRONT PHOTO (BELOW 1 GHz)	RADIATED BACK PHOTO (BELOW 1 GHz)
	
RADIATED FRONT PHOTO (ABOVE 1 GHz)	RADIATED BACK PHOTO (ABOVE 1 GHz)
	
LINE CONDUCTED FRONT PHOTO	LINE CONDUCTED SIDE VIEW PHOTO

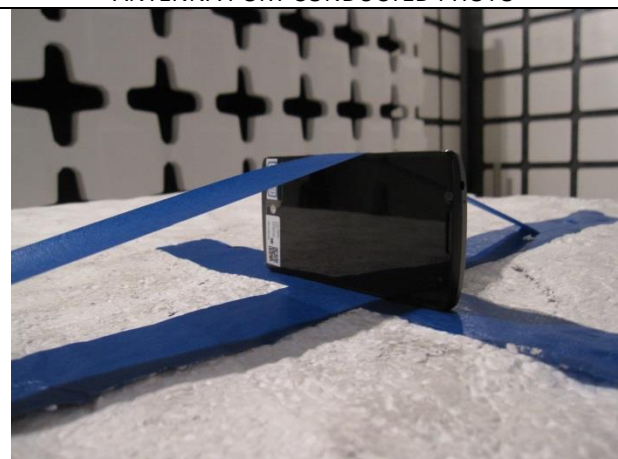
**ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP AND
RADIATED RF MEASUREMENT SETUP FOR PORTABLE CONFIGURATION**



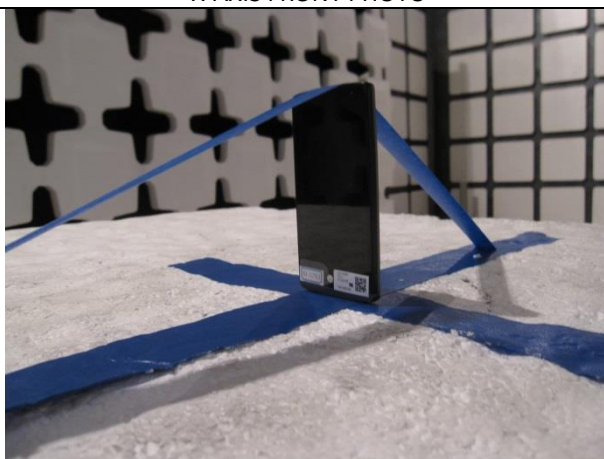
ANTENNA PORT CONDUCTED PHOTO



X-AXIS FRONT PHOTO



Y-AXIS FRONT PHOTO



Z-AXIS FRONT PHOTO

END OF REPORT