

TECHNICAL BULLETIN CS-06-03

Regulatory Domain Setting Structures

Notification Date: 3/8/06

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Effective Date: 4/3/06

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Systems Affected: SW Versions = All

HW Revisions = All NetLink WT Types

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Status: Approved

Access Level: General

Revision: B

Description:

1. The 802.11d standard was created to promote worldwide usage of 802.11 Wireless LAN's (WLAN), and details within its guidelines the acceptable power levels and channel usage for various countries. There are six Regulatory Domain settings within the SpectraLink handset that provides the end user with specific channel and output power settings for a particular country. Below is a comprehensive chart that details the Regulatory Domain settings for the United States, Europe, Spain, France, and Korea. In addition, page two of this bulletin contains instructions on setting the Regulatory Domain within the handset.

| Regulatory Domain | Country | Channels | Max. Output Power |
|-------------------|-----------------|------------|-------------------|
| None / 01 | United States | 1 thru 11 | 100 mW |
| 2 | Europe | 1 thru 13 | 100 mW |
| 3 | NOT USED | | |
| 4 | Spain | 10 & 11 | 30 mW |
| 5 | France | 10 thru 13 | 30 mW |
| 6 | Korea | 1 thru 13 | 30 mW |

The Regulatory Domain settings will take effect on the following software releases:

- Nortel UniStim version 97.066
- Avaya CCMS version 96.045
- Mitel Minet version 101.020
- Alcatel NOE latest beta version



Additional Information:

Ensure that the facilities Wireless Local Area Network (WLAN) is designed to accommodate the specific Regulatory Domain option being used. Furthermore, it is important that all Access Points and handsets transmit powers match. A mismatch of the transmit power may affect the operability of the handsets and violate the specific countries power regulations.

European regulatory domain rules have changed and now allow power transmissions up to 100mW. In addition, customers in Korea must set the Regulatory Domain in the handset to option 6, which has a maximum output power transmission of 30mW, to comply with Korean regulations.

Setting the Regulatory Domain:

To Regulatory Domain is configured via the Administration Menu on the handset.

Opening the Administration menu

- With the handset powered OFF press and hold the red Power Off key, and then power up the phone using the green Power On key.
- Release the green Power On key, wait for a single beep, and then release the red Power Off key.
- Using the Down key found on the left hand side of the handset, highlight the second menu option Network Config and press the Select button.
 - Press the Down key until the Reg Domain option is highlighted.
 - Press the Line button once.
 - Enter in the Regulatory Domain setting (refer to chart above for settings).
 - Once the option has been entered press the SAVE Softkey button below the display of the handset.
 - The inputted option will be cleared; however, the selection can be verified by pressing the Up Softkey button below the display of the handset.
 - To exit from the Administration Menu simply press the red Power Off key.

