Emission Clarification for GSM emission: Gaussian Minimum Shift Keying, modulation

Common Problem Designators

➤ **For consistency the following commonly used emission designators have been defined:**

- 40K0F8W - Cellular Voice & Signaling tone.
- 40K0F1D - Cellular wide-band data.
- 14K2G2B - Digital Selective Calling(DSC).
- F9W - CDMA
- DXW - pi/4DQPSK - TDMA - NADC
- GXW - GSM - iDen
- FXW - Cellular Digital Packet Data (CDPD)
- D7W - QAM
- W7D - OFDM or COFDM

October, 2005   ➤TCB Workshop   57

Form 731 Emissions–CMRS

- Uniform emission designator listing requirements for most CMRS devices (e.g., PCE parts 22/24/27) have not been established
- Emission symbol guidance includes:
  - F9W–CDMA; GXW–GSM; G7W–EDGE (8PSK); D7W–QAM; W7D–OFDM
- Typical 3GPP LTE symbols: D7W, G7D, G7W, W7D
- Listing only widest measured bandwidth per emission designator and per band allowed for 3GPP LTE modes where:
  - Power, bandwidth, and emission test data and compliance demonstration for all modes and channels is in a filing *
  - For each band, if mode with widest measured emission bandwidth has highest measured power, then single line entry per mode allowed
  - For each band, if mode with widest measured emission bandwidth does not have highest measured power, line entries needed for:
    - Widest measured emission bandwidth mode, with associated measured power
    - Highest measured power mode, with associated measured bandwidth

* See also *Miscellaneous Compliance Measurement Issues* presentation in this conference.

April 2016   TCB Workshop   5