



General Panel Discussion

TCB Workshop October 2011

Laboratory Staff



PBA – Part 90 Subpart R Transmitters

- Interoperability Waiver required for statewide and regional licensing of fixed/base LTE equipment
- 90.203(p) compliance:
 - An attestation required stating conformance to 90.203(p), in particular support of TS 23.401, V8.8.0 (2009-12, Group Services)
- Single-band (Band 14 only) or Multi-band equipment
 - 27.1307(d) commercial operations in the 763-768 MHz and 793-798 MHz bands are currently suspended
 - Backward compatibility modes (<4G) and narrowband equipment not allowed in Band 14 unless FCC/PSHSB waiver attached



PBA – Part 90 Subpart R Transmitters

- OOBE: ALL applicable rules should be followed
 - FCC R&O and NPRM11-6: $43+10\log(P)$ dB/100 kHz
 - Part 27.53 (758-763, 788-7983MHz) :
 - 769-775/799-805 MHz: $76/65 +10\log(P)$ dB/6.25 kHz
 - Others: $43+10\log(P)$ dB/100 kHz
 - Part 90.543, 90.1407 (763-768, 793-798 MHz) :
 - 768-775/798-805 MHz: $76/65 +10\log(P)$ dB/6.25 kHz
 - Others: $43+10\log(P)$ dB/100 kHz or 1MHz
 - 30 kHz RBW instead of 100 kHz within 100 kHz adjacent to frequency block
 - OOBE in 1559-1610 MHz satellite navigation (GNSS) band: 90.543(f), 27.53(f), -70 dBW/MHz



PBA – Part 90 Subpart R Transmitters

- Reason for PBA: emerging equipment types and evolving public safety interoperability requirements
- Objective: to ensure that a 700 MHz PSBN deployed is interoperable on a nationwide basis
- Applicable band: LTE Band 14 (700 MHz Public/Private Partnership)
- Main governing rule parts:
 - Part 27 Subpart N (D Block, 758-763, 788-793 MHz)
 - Part 90 Subpart R (763-769, 793-799 MHz)
 - Part 90 Subpart AA (763-769, 793-799 MHz)



Other Topics for Discussion

- Labeling Guidelines
- Electronic user manuals
- Computer and Peripheral determination for handheld devices
- Permissive change Discussions
- BPL Devices
- Ferrite Core on Power Cables
- Part 90 Programmable radios