



Technician License Course

Chapter 8

Section 8.3 Interference



Interference



Interference

- QRN or “Static”



Interference

- QRN or “Static”
 - Natural interference (thunderstorms)



Interference

- QRN or “Static”
 - Natural interference (thunderstorms)
 - Man-made (appliances and power lines)



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 - Natural interference (thunderstorms)
 - Man-made (appliances and power lines)
- QRM



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 - Man-made (appliances and power lines)
- QRM
 - Interference caused by other signals



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 - Man-made (appliances and power lines)
- QRM
 - Interference caused by other signals
 - Can be from transmitted signals



Interference

- QRN or “Static”
 - Natural interference (thunderstorms)
 - Man-made (appliances and power lines)
- QRM
 - Interference caused by other signals
 - Can be from transmitted signals
 - Can be created internally by a receiver



Interference

- Harmful



Interference

- Harmful
 - Interference that is disruptive, not necessarily willful.



Interference

- Harmful
 - Interference that is disruptive, not necessarily willful.
 - Deal with it as best you can, try to avoid causing harmful interference.



Interference

- Willful



Interference

- Willful
 - Intentionally causing interference.



Interference

- Willful
 - Intentionally causing interference.
 - This becomes a legal and law enforcement issue.



Interference

- Willful
 - Intentionally causing interference.
 - This becomes a legal and law enforcement issue.
 - This is rare and there are procedures to deal with this (ARRL Volunteer Monitors can help).



Preventing Interference



Preventing Interference

- Use common sense and courtesy



Preventing Interference

- Use common sense and courtesy
- Know how to operate your equipment to reduce generated and received interference



Preventing Interference

- Use common sense and courtesy
- Know how to operate your equipment to reduce generated and received interference
- No one owns a frequency; be a good neighbor and share – have a “Plan B”



Preventing Interference

- Use common sense and courtesy
- Know how to operate your equipment to reduce generated and received interference
- No one owns a frequency; be a good neighbor and share – have a “Plan B”
- Recognize special operations and special circumstances



Are there any questions?

Online exam review and practice questions:

<http://www.arrl.org/examreview>