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Working Group #2

Clean RF Power

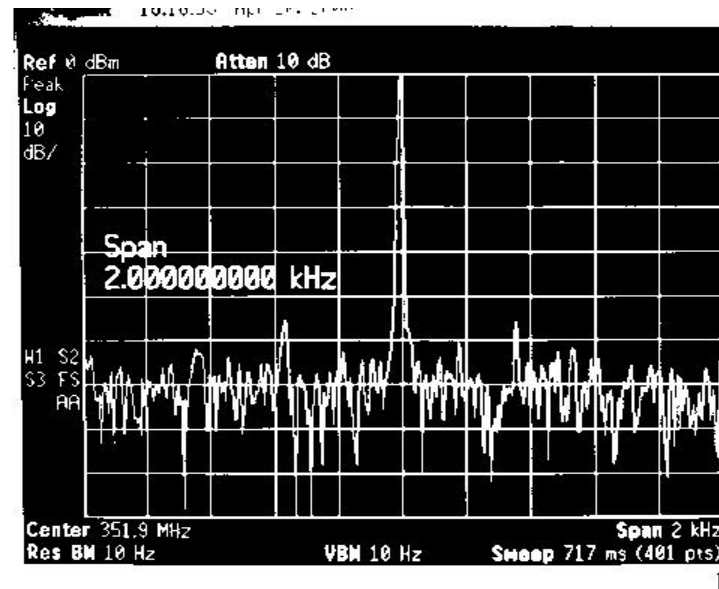
CWRF08 Workshop

March 25-28, 2008

Discussion Topics

1. Define “clean rf power” in terms of effect on beam motion and lifetime:

- *ac line modulation sidebands on rf carrier (both amplitude and phase modulation)*
- *spurious and harmonic signals present in output*



Discussion Topics

2. The use of switch-mode HV power supplies:

-- *fixed frequency?*

-- *variable frequency?*

3. Advantages of IOT vs Klystron vs Solid-State?