



Agilent 8563E Option K35

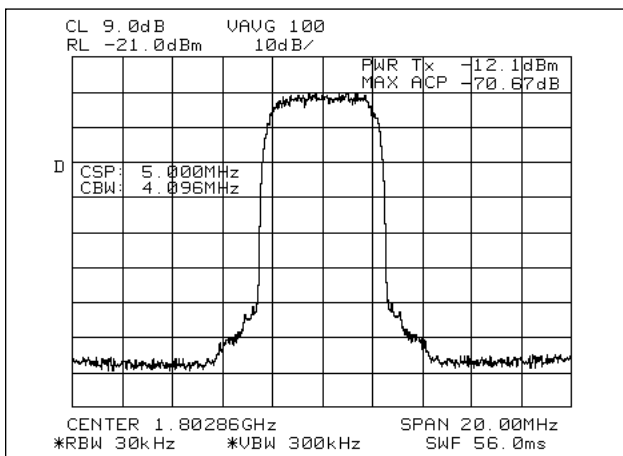
Adjacent Channel Power Ratio Test Set Optimized for W-CDMA

Product Overview

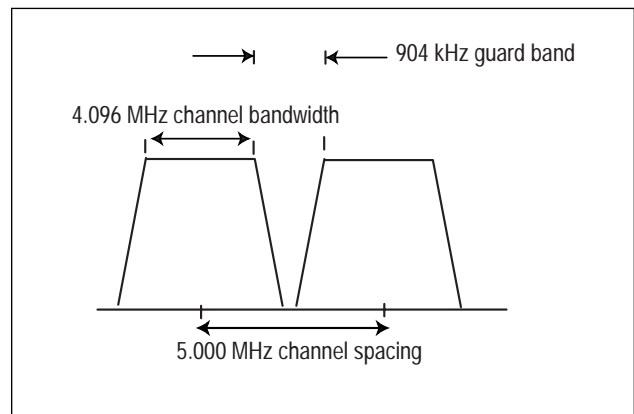
- Measure W-CDMA Adjacent Channel Power Ratio (ACPR) with a dynamic range of at least 70 dB.
- Frequency conversion and filtering optimized for maximum dynamic range measurement of ACPR of systems with 900 kHz or greater guard band.
- Device under test can range from 1.2 GHz to 3.0 GHz.
- Easy to use. Control menus are integrated into Agilent 8560 E-Series soft keys.

Use Agilent Technologies 8563E Option K35 with the Agilent 8560 E-Series of spectrum analyzers to increase the dynamic range of Adjacent Channel Power Measurements. Option K35 uses an alternate first converter mixer with custom filtering to increase the spectrum analyzer's ACPR measurement dynamic range to at least 70 dB for systems with a guard band between channels of 900 kHz or greater. This meets the needs of emerging W-CDMA specifications.

For use with Agilent 8561E, 8562E, 8563E, 8564E, and 8565E Spectrum Analyzers



Dynamic range measurement (limited by source noise)



Guard band definition



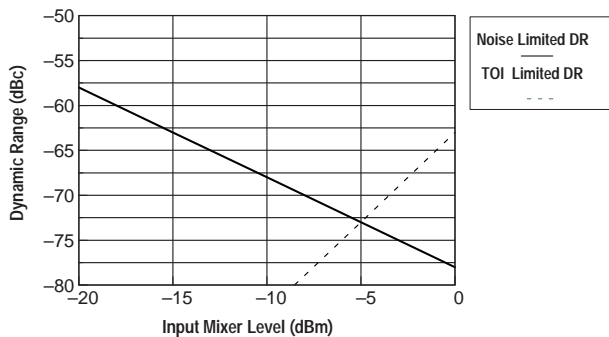
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Supplemental Specifications

Refer to the Agilent 8560 E-Series Spectrum Analyzers data sheet for base instrument specifications. The following table provides performance characteristics of the 8563E Option K35 test set.

Frequency range	1.2 GHz to 3.0 GHz
Maximum input power	+5 dBm
Damage input power	+30 dBm
Input attenuator	0 to 11 dB in 1 dB steps
Conversion loss	15 dB nominal (not relevant to ACP ratio measurement)
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LO input frequency	3.0 GHz to 6.8 GHz
LO input power range	+9 dBm to +20 dBm

Note: In order for the 8563E Option K35 softkey menus to be incorporated into an existing 8560 E-Series spectrum analyzer, the analyzer's firmware must be upgraded. This firmware upgrade is included with the Option K37 package.



Agilent 8563E K35: Typical W-CDMA ACPR Dynamic Range (measured in a 4.096 MHz integration BW)

Ordering Information

8563E K37	K35 test set with firmware ROM chips to upgrade existing 8560 E-Series spectrum analyzers
8561E E35	8561E spectrum analyzer (with firmware upgrade installed) and K35 test set
8562E E35	8562E spectrum analyzer (with firmware upgrade installed) and K35 test set
8563E E35	8563E spectrum analyzer (with firmware upgrade installed) and K35 test set
8564E E35	8564E spectrum analyzer (with firmware upgrade installed) and K35 test set
8565E E35	8565E spectrum analyzer (with firmware upgrade installed) and K35 test set

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