

Agilent 8563E-K35

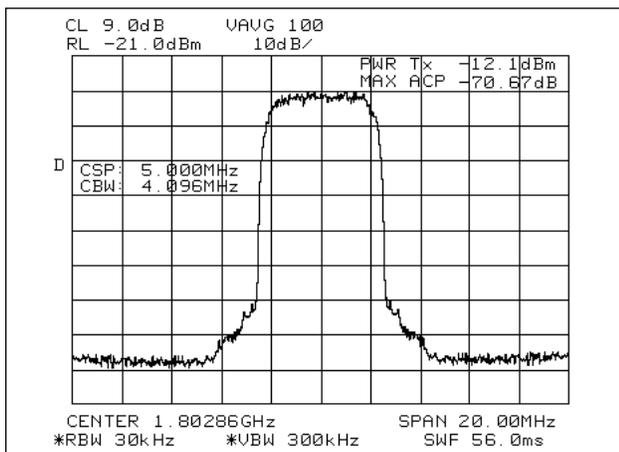
Adjacent Channel Power Ratio Test Set Optimized for W-CDMA

Technical Overview

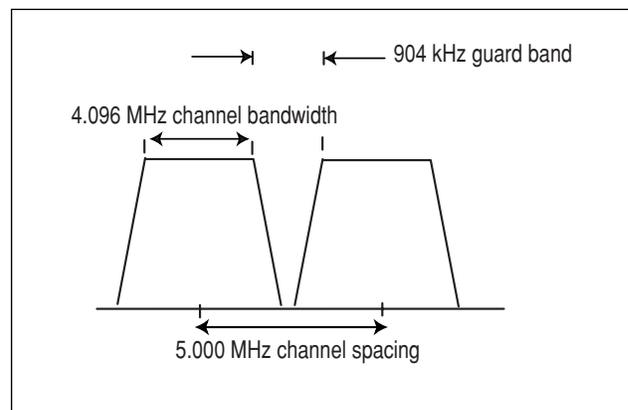
- Measure W-CDMA adjacent channel power ratio (ACPR) with a dynamic range of at least 70 dB.
- Frequency conversion and filtering optimized for maximum dynamic range measurement of ACPR of systems with 900 kHz or greater guard band.
- Device under test can range from 1.2 GHz to 3.0 GHz.
- Easy to use.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

Use Agilent Technologies 8563E-K35 with the Agilent 8560 E/EC-Series of spectrum analyzers to increase the dynamic range of adjacent channel power measurements. The 8563E-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 8560E/EC, 8561E/EC, 8562E/EC, 8563E/EC, 8564E/EC, and 8565E/EC spectrum analyzers



Dynamic range measurement (limited by source noise)



Guard band definition

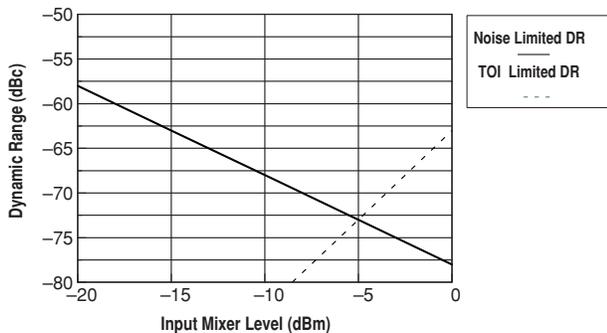


Supplemental Specifications

Refer to the Agilent 8560 E/EC-Series spectrum analyzers data sheet for base instrument specifications. The following table provides performance characteristics of the 8563E-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-K35 softkey menus to be incorporated into an existing 8560 EC-Series spectrum analyzer, the analyzer's firmware must be upgraded. For a new 856xEC, order 856xEC-H35; for a retrofit upgrade to 856xEC, order 856xU-H35 (where x = 0, 1, 2, 3, 4, 5).



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

Ordering Information

8563E-K35	W-CDMA ACPR test set
856xEC-H35 (x = 0, 1, 2, 3, 4, 5)	Firmware upgrade in order for a new 856xEC to work with the 8563E-K35 test set
856xU-H35¹ (x = 0, 1, 2, 3, 4, 5)	Service Center installable retrofit firmware upgrade in order for an existing 856xEC to work with the 8563E-K35 test set

1. The retrofit firmware upgrade is not available for the 856xE Series.

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