

Features

- GSM ADPX 950A composed of Duplexer.
- Suitable for GSM ADPX 950A Tower Mounted System Repeaters.
- Ultra low PIMD (Passive Intermodulation) Characteristics.
- Very compact size and low weight.

Technical Characteristics

Duplexer (TX) Path

Frequency band	940 MHz ~ 960 MHz
Bandwidth	20 MHz
Insertion Loss	0.7 dB _{typ.}
Return Loss, all ports	20 dB _{min.}
Out of Band Rejections	37 dB _{Cmin.} (@ 965 MHz)
Isolation	105 dB _{Cmin.} (@ 895 MHz ~ 915 MHz)
Continuous Average Power	100 W _{max.}
Intermodulation ¹⁾	-107 dB _{mmax.}

Duplexer (Rx1) Path

Frequency band	895 MHz ~ 915 MHz
Bandwidth	20 MHz
Insertion Loss	0.8 dB _{typ.}
Return Loss, all ports	20 dB _{min.}
Out of Band Rejections	67 dB _{Cmin.} (@ 885 MHz)
Isolation	105 dB _{Cmin.} (@ 940 MHz ~ 960 MHz)

Environmental

Operating temperature range	-30 to +65 °C
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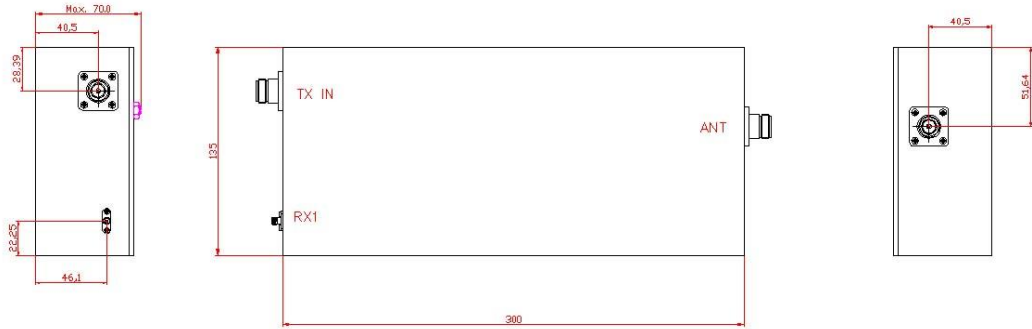
Mechanical

Dimensions ²⁾	300 x 135 x 70 mm
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1) 2 x 47 dBm(50 W CW, 940 MHz & 960 MHz) is applied at Duplexer Tx. port and measure 3rd (920 MHz) and 5th (900 MHz) IM signals at Rx. port.

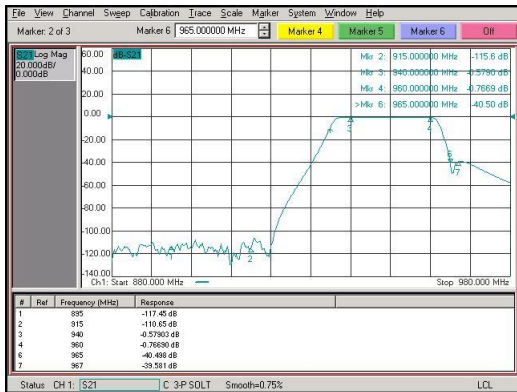
2) Excluding connectors, and mounting bracket extension

Outline Drawing



Units : mm, Tolerance : +/- 0.2 mm

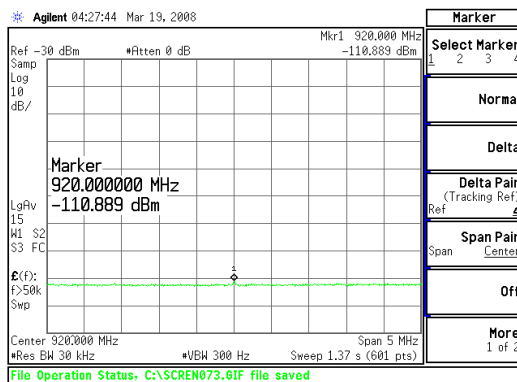
Typical Response



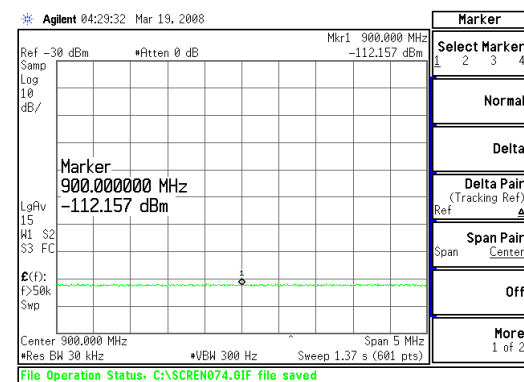
Tx path Transmission



Rx path Transmission



3rd PIMD Characteristics



5th PIMD Characteristics