

**Dallas Headquarters:**

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Nemko Dallas, Inc.**Data Plot Intermodulation Characteristics**

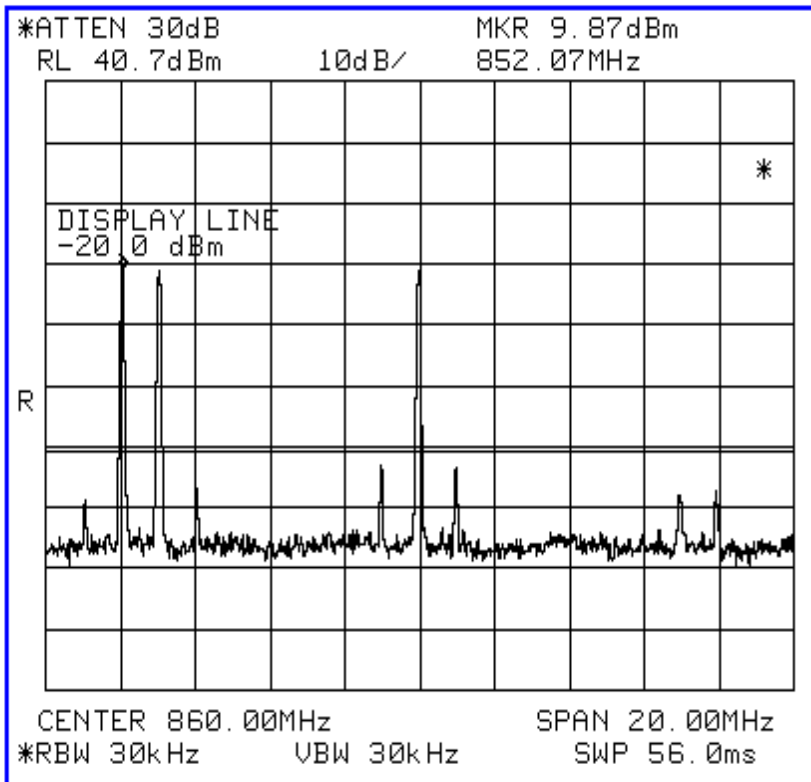
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Complete X
Preliminary _____

Job No.: 1L0025R Date: 3/12/01
Specification: Part 90 Temperature(°C): 23
Tested By: Chinda Poy Relative Humidity(%) 31
E.U.T.: InCell SMR Repeater
Configuration: TX 3 Signals Full Power
Sample Number: SO2
Location: Lab 1 RBW: 30 kHz
Detector Type: Peak VBW: 30 kHz

Test Equipment Used

Antenna: _____ Directional Coupler: _____
Pre-Amp: _____ Cable #1: 1046
Filter: _____ Cable #2: _____
Receiver: 1464 Cable #3: _____
Attenuator #1: 1475 Cable #4: _____
Attenuator #2: _____ Mixer: _____
Additional equipment used: _____
Measurement Uncertainty: +/-1.06 dB

**Notes:** Composite power = 14.6 dBm

Power input = 3.4 dBm

Voice Modulation



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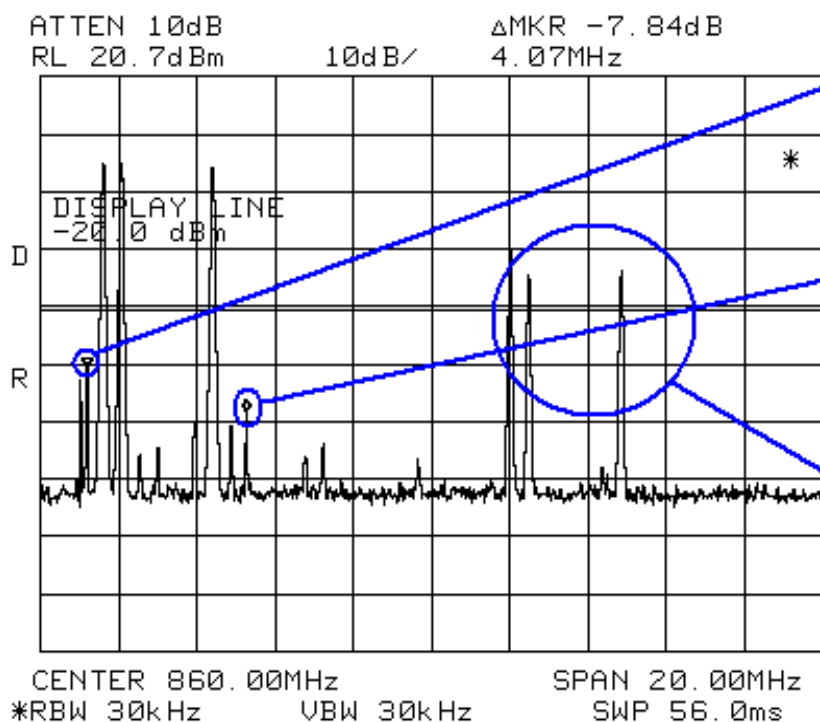
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E.U.T.:	InCell SMR Repeater		
Configuration:	TX 3 Signals Full Power		



HIGHEST OUT OF BAND
EMISSION = -29.6 dBm

HIGHEST INBAND
EMISSION = -37.4 dBm

THESE SIGNALS
CREATED BY IQ
MODULATION
GENERATOR
(SEE ATTACHED INPUT
PLOT)

Notes: Composite power = 8.2 dBm
Power input = -4.1 dBm
iDEN Modulation



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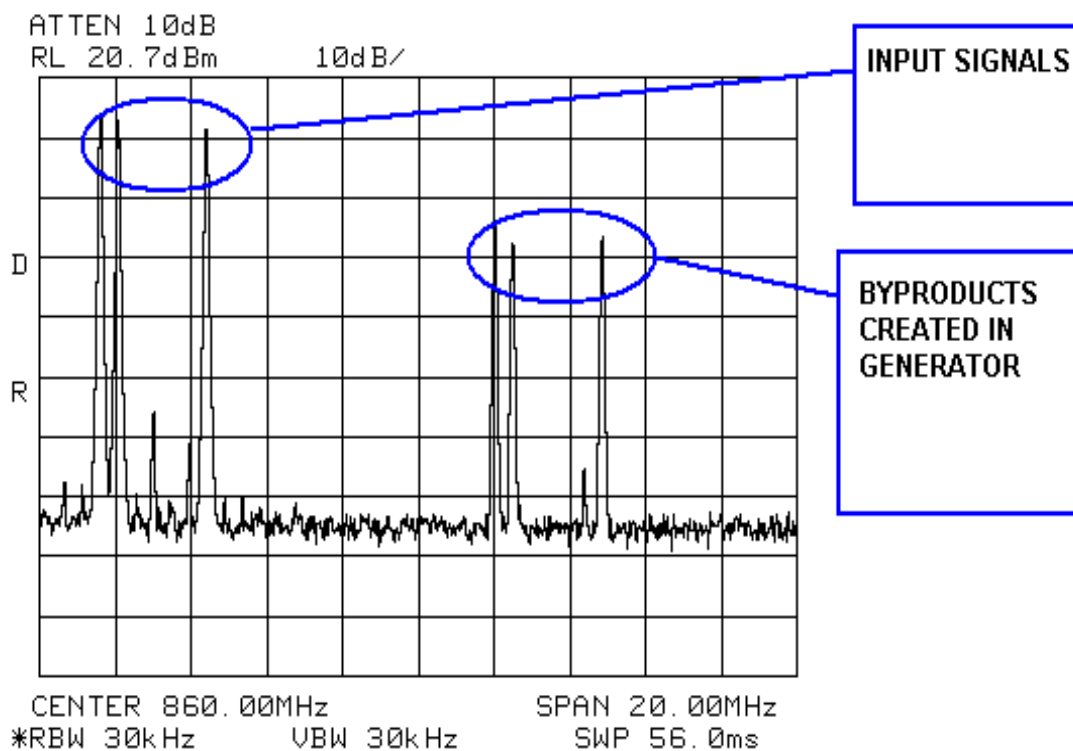
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Specification: Part 90 Temperature(°C): 23
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Configuration: TX 3 Signals Full Power



Notes: iDEN input signal from IQ modulation generator