

CMU200 FM-Hub und AM Modulationsgrad

Voraussetzungen: CMU-K29 und B41

Menü: AMPS-MS/Non-Signalling/TX-Tests Modulation

Unter Analyzer Settings Frequenz (in Hz) z.B. 10000000 für 10 MHz eingeben.

Eingangssignal z.B. unter RF4 einspeisen, Pegel-Minimum: 40dBm

FM Hub im Feld Total Peak Deviation, AM untern Residual AM

AMPS TX Tests

Carrier Freq. Error: 10 Hz

Total Peak Deviation: 2037 Hz

SAT Freq. Error: ---

SAT Peak Deviation: ---

ST Frequency Error: ---

ST Peak Deviation: ---

Audio Peak Deviation: 57 Hz

Audio RMS*SQRT(2) Dev.: 57 Hz

Mod. Dist & Noise: 0.09 %

Carrier Power: -37.0 dBm

Residual AM: 0.6 %

Setup:

- Control
 - Repetition: Continuous
 - Stop Condition: None
 - FM TX Test: Off
- Analyzer Level
 - RF Max. Level: -1.0 dBm
 - RF Mode: Manual
 - RF Attenuator: Normal
- RF Analyz. Settings
 - Frequency: 10000000 Hz
- RF Generator
 - Power Level: -60.0 dBm
 - Frequency/Chan: 21.18 MHz / ---
 - Frequency Offset: +0 Hz
- AF Generator
 - Control: Off
 - Level: 200.0 mV
 - Frequency: 1004 Hz
- Filter
 - Bandpass: 6 ... 4000 Hz
 - De-Emphasis: ON
 - Expander: ON(2,9kHz)
 - Weighting: C-Message

Repetition Stop Condition FM TX Test Menus

AMPS TX Tests

Carrier Freq. Error: 0 Hz

Total Peak Deviation: 219 Hz

SAT Freq. Error: ---

SAT Peak Deviation: ---

ST Frequency Error: ---

ST Peak Deviation: ---

Audio Peak Deviation: 0 Hz

Audio RMS*SQRT(2) Dev.: 0 Hz

Mod. Dist & Noise: 13.10 %

Carrier Power: -36.6 dBm

Residual AM: 49.9 %

Setup:

- Control
 - Repetition: Continuous
 - Stop Condition: None
 - FM TX Test: Off
- Analyzer Level
 - RF Max. Level: -1.0 dBm
 - RF Mode: Manual
 - RF Attenuator: Normal
- RF Analyz. Settings
 - Frequency: 10000000 Hz
- RF Generator
 - Power Level: -60.0 dBm
 - Frequency/Chan: 21.18 MHz / ---
 - Frequency Offset: +0 Hz
- AF Generator
 - Control: Off
 - Level: 200.0 mV
 - Frequency: 1004 Hz
- Filter
 - Bandpass: 6 ... 4000 Hz
 - De-Emphasis: ON
 - Expander: ON(2,9kHz)
 - Weighting: C-Message

Repetition Stop Condition FM TX Test Menus