

S412E LMR Master

Land Mobile Radio Modulation Analyzer

kHz to 1.6 GHz (can be extended to 6 GHz ZWK RSWLRQV)

5XJHG 3RUWDEOBRZUIXO

7KI 6(/05 0D WWHUVD FRPSDFW D OQKIOGP XOWXQFWLR D QDOJHUW D V EHHQVSHFLILFDOO\ GHHORSHGRUWHFQLFLD D OGHQLOH HUV LQVWD D OGPDLQWDL S XEOLFVDIHWLQGXVWULDO WUDQVSRUWDWVWCOL D OGSUL D WHPRELOHFRP PXQLFDWLRQ V WHPV 7KI 6(FRPELOHVRXU LQGXVWUYVDQGDIEOH DQWHQDDQDOVWK WKI XOPDWFKIG SHUIRUPDQFHRI RXUVSHFWUXP DODOJHUWVKI Q DGGVLSRZUIXO VLDDODODOVLDQGHQHJHUWDLREDSDELOLWLHWQFOXGLOJ FRHUJHPDSSLQJ WRRORUERVK RXWGRR D OGLQGRRSHUIRUPDQFH DQDOVLV WRFUHDWVKI XOWLPDWHEDWWHUSRZUIXO ILHOGHUYFHLOVWUXPHQVUVVWHP FRPLVLRQLQJ SUH HQWDWLH PDLQWHQDQFH WURXEOHVRRV D OGRFPSOLDQFHWHVW D OFRP PXQLFDWLRQ V WHPV

Land Mobile Radio Analyzer Highlights

- Optional analyzers for P25 FDMA (TIA-102.CAAA-C) and P25 Phase 2 TDMA (TIA-102.CCAA), TETRA, '05 ORWR75% G305 1,1,7&5 37& FirstNet LTE, WiMAX 802.16d (fixed) and WiMAX 802.16e (mobile)
- 33'05DQG1,1 PRGHVRIIHUWLD O HQHJHUWDLRQRIVWDQGDUGVHSW WWHUQV LQFOXGLOJ D OQ29
- DQDOVLRVRIWUDQVPLWVSHUIRUPDQFHRIU3 33 7(75\$ '05 1,1 G305 ,7&5 37& DQG1) UDGLR V HSHDWHUVD OGHMWDWLRQV
- 1)ORGHDDQDQHV&DUULHU)UHTXHQF&DUULHU 3RZUI'HYDWLRQ &7&66'&6'70) 2FFXSLHG DQOZGWK 6,1 DQO 4XLHWLQJ
- NBFM Auto Scan locates and locks on to transmitter carriers
- TIA-603-D compliant SINAD and 20 dB Quieting analysis modes
- Coverage Mapping (Outdoor and Indoor) for LMR standards
- Signal Generator: 500 kHz to 1.6 GHz, 0 dBm to -130 dBm

Spectrum Analyzer Highlights

- Dynamic Range: > 95 dB in 10 Hz RBW
- DANL: -152 dBm in 10 Hz RBW
- Phase Noise: -100 dBc/Hz max @ 10 kHz offset at 1 GHz
- Frequency Accuracy: 120 ppb, < 50 ppb with GPS locked
- Options: Interference Analyzer, Spectrogram, AM/FM/SSB Audio Demod

Vector Network Analyzer Highlights

- 1-path, 2-port VNA w/ quad trace display
- 9HFWRU9ROWPHWHURSWLRQIRUPDWHKOLRO DQGSVLRQDUQHVV FRQVWUXFWLRQ
- Distance Domain option for Distance-to-Fault analysis
- 2QO D OQKIOG LQVWUXPHQWRRIIHU(75\$ EDVH VWDWLRQ OVLWLWRHDXUHPHQWV
- SMXVWDEOH GDSV DQWXS WR
- IF Eandwidth selections of 10 Hz to 100 kHz
- 100 dB transmission dynamic range to 4 GHz
- 850 μs/data point sweep speed

