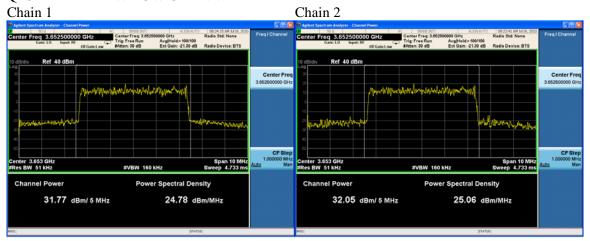
Report No: 10PRO0179 3.65 GHz Fixed Wireless Transceiver

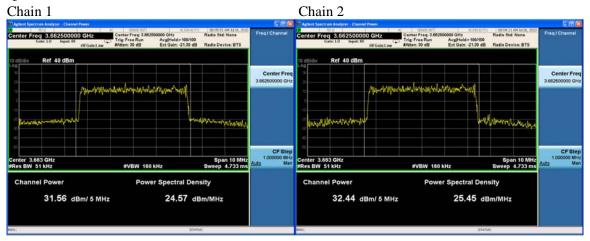
Date: 4 September 2010 Model No.: Quantum2236 FCC ID: XN3-QUANTUM6636 IC: 8974A-QUANTUM6636

APPENDIX A: POWER OUTPUT SPECTRUM ANALYZER PLOTS

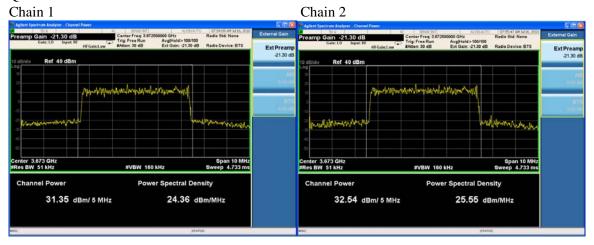
QPSK 5 MHZ EBW LOW CHANNEL



QPSK 5 MHZ EBW MID CHANNEL



QPSK 5 MHZ EBW HIGH CHANNEL



Date: 4 September 2010 Model No.: Quantum2236 FCC ID: XN3-QUANTUM6636 IC: 8974A-QUANTUM6636

POWER OUTPUT SPECTRUM ANALYZER PLOTS:

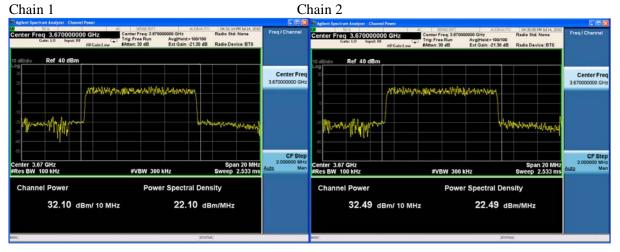
QPSK 10 MHZ EBW LOW CHANNEL

Chain 1 Chain 2 Gain -21.30 dB Ext Pream -21.30 di Ref 40 dBm Ref 40 dBm Channel Power Power Spectral Density Channel Power Power Spectral Density 32.40 dBm/ 10 MHz 22.40 dBm/MHz 32.72 dBm/ 10 MHz 22.72 dBm/MHz

QPSK 10 MHZ EBW MID CHANNEL

Chain 1 Chain 2 eamp Gain -21.30 dB amp Gain -21.30 dB Ext Preamp Ref 40 dBm #VBW 300 kHz **Channel Power** Power Spectral Density Power Spectral Density 32.25 dBm/ 10 MHz 22.25 dBm/MHz 32.84 dBm/ 10 MHz 22.84 dBm/MHz

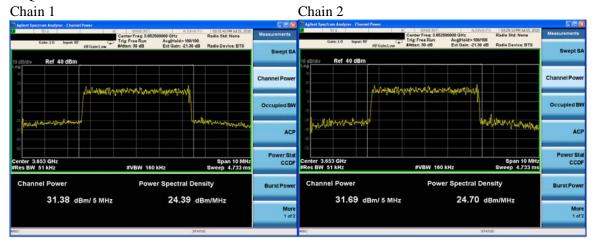
QPSK 10 MHZ EBW HIGH CHANNEL



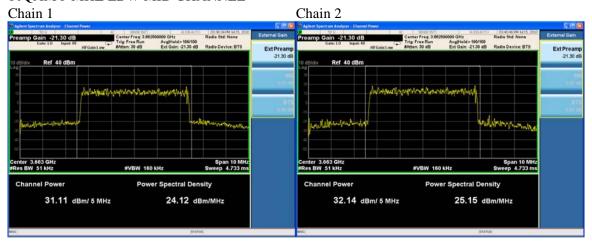
Date: 4 September 2010 Model No.: Quantum2236 FCC ID: XN3-QUANTUM6636 IC: 8974A-QUANTUM6636

POWER OUTPUT SPECTRUM ANALYZER PLOTS:

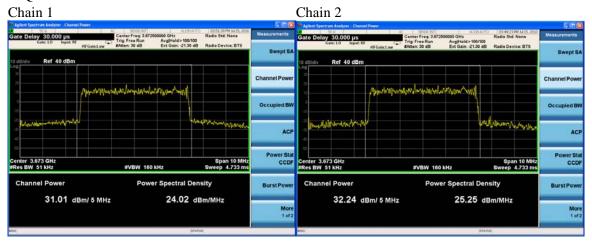
16QAM 5 MHZ EBW LOW CHANNEL



16QAM 5 MHZ EBW MID CHANNEL



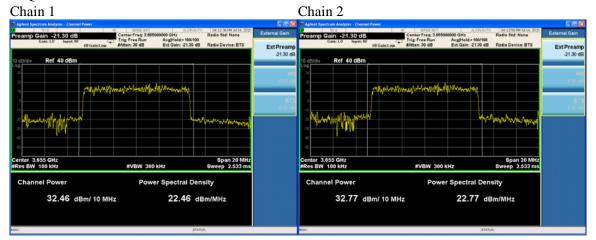
16QAM 5 MHZ EBW HIGH CHANNEL



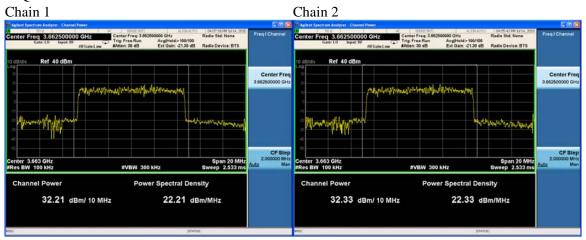
Date: 4 September 2010 Model No.: Quantum2236 FCC ID: XN3-QUANTUM6636 IC: 8974A-QUANTUM6636

POWER OUTPUT SPECTRUM ANALYZER PLOTS:

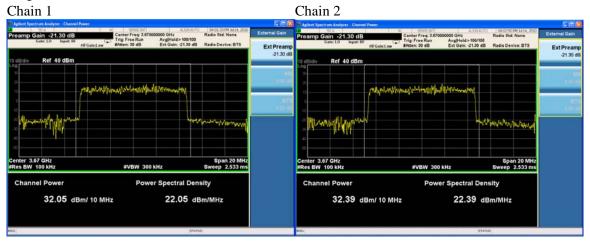
16QAM 10 MHZ EBW LOW CHANNEL



16QAM 10 MHZ EBW MID CHANNEL



16QAM 10 MHZ EBW HIGH CHANNEL



Report No: 10PRO0179 3.65 GHz Fixed Wireless Transceiver

Date: 4 September 2010 Model No.: Quantum2236 FCC ID: XN3-QUANTUM6636 IC: 8974A-QUANTUM6636

POWER OUTPUT SPECTRUM ANALYZER PLOTS:

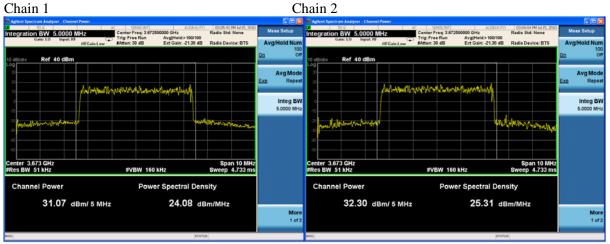
64QAM 5 MHZ EBW LOW CHANNEL

Chain 1 Chain 2 nter Freq 3.652500000 GHz Ref 40 dBm Ref 40 dBm Center Freq Center Fre Malphalant CF Ste #VBW 160 kHz Channel Power **Power Spectral Density** Channel Power Power Spectral Density 31.43 dBm/ 5 MHz 24.44 dBm/MHz 31.94 dBm/ 5 MHz 24.95 dBm/MHz

64QAM 5 MHZ EBW MID CHANNEL

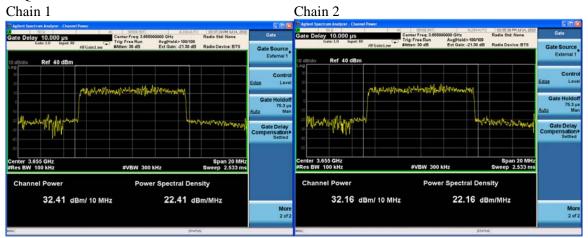
Chain 1 Chain 2 amp Gain -21.30 dB eamp Gain -21.30 dB Ext Preamp -21.30 dB **Channel Power** Channel Power Power Spectral Density 31.17 dBm/ 5 MHz 24.18 dBm/MHz 32.06 dBm/ 5 MHz 25.07 dBm/MHz

64QAM 5 MHZ EBW HIGH CHANNEL

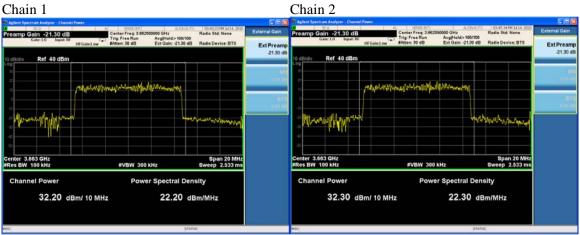


POWER OUTPUT SPECTRUM ANALYZER PLOTS:

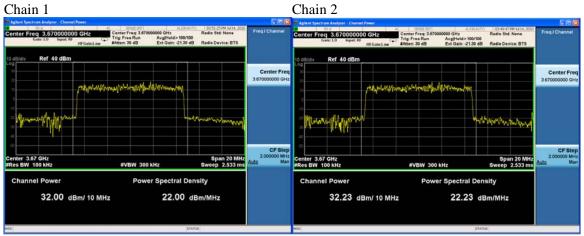
64QAM 10 MHZ EBW LOW CHANNEL



64QAM 10 MHZ EBW MID CHANNEL



64QAM 10 MHZ EBW HIGH CHANNEL



Date: 4 September 2010 Model No.: Quantum2236 IC: 8974A-QUANTUM6636 FCC ID: XN3-QUANTUM6636

APPENDIX B PSD SPECTRUM ANALYZER PLOTS:

5 MHZ EBW PSD QPSK LOW CHANNEL



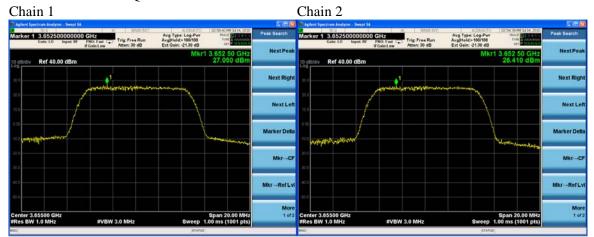
5 MHZ EBW PSD QPSK MID CHANNEL



5 MHZ EBW PSD QPSK HIGH CHANNEL



10 MHZ EBW PSD QPSK LOW CHANNEL



10 MHZ EBW PSD QPSK MID CHANNEL



10 MHZ EBW PSD QPSK HIGH CHANNEL



Report No: 10PRO0179

3.65 GHz Fixed Wireless Transceiver

Model No.: Quantum2236
FCC ID: XN3-QUANTUM6636

IC: 8974A-QUANTUM6636

5 MHZ EBW PSD 16QAM LOW CHANNEL



5 MHZ EBW PSD 16QAM MID CHANNEL

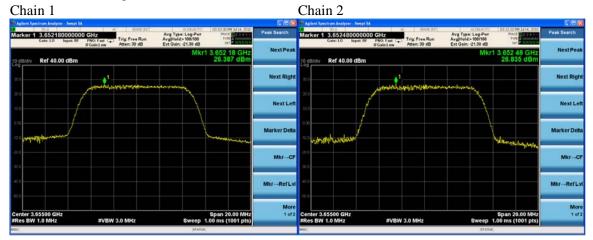


5 MHZ EBW PSD 16QAM HIGH CHANNEL



Date: 4 September 2010 3.65 GHz Fixed Wireless Transceiver Model No.: Quantum2236 IC: 8974A-QUANTUM6636 FCC ID: XN3-QUANTUM6636

10 MHZ EBW 16QAM LOW CHANNEL



10 MHZ EBW PSD 16QAM MID CHANNEL



10 MHZ EBW PSD 16QAM HIGH CHANNEL



Report No: 10PRO0179

3.65 GHz Fixed Wireless Transceiver

Model No.: Quantum2236
FCC ID: XN3-QUANTUM6636

IC: 8974A-QUANTUM6636

5 MHZ EBW PSD 64QAM LOW CHANNEL



5 MHZ EBW PSD 64QAM MID CHANNEL



5 MHZ EBW PSD 64QAM HIGH CHANNEL



Report No: 10PRO0179

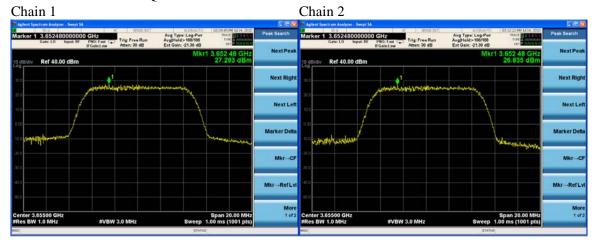
3.65 GHz Fixed Wireless Transceiver

FCC ID: XN3-QUANTUM6636

Date: 4 September 2010

Model No.: Quantum2236
IC: 8974A-QUANTUM6636

10 MHZ EBW PSD 64QAM LOW CHANNEL



10 MHZ EBW PSD 64QAM MID CHANNEL



10 MHZ EBW PSD 64QAM HIGH CHANNEL

