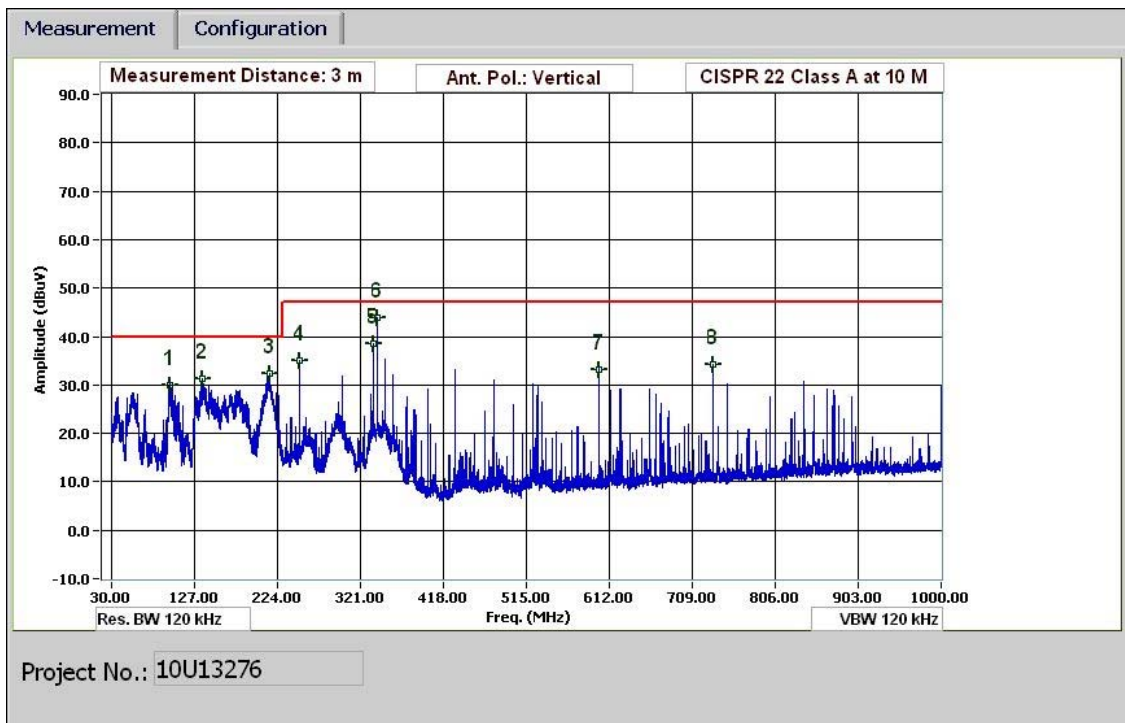
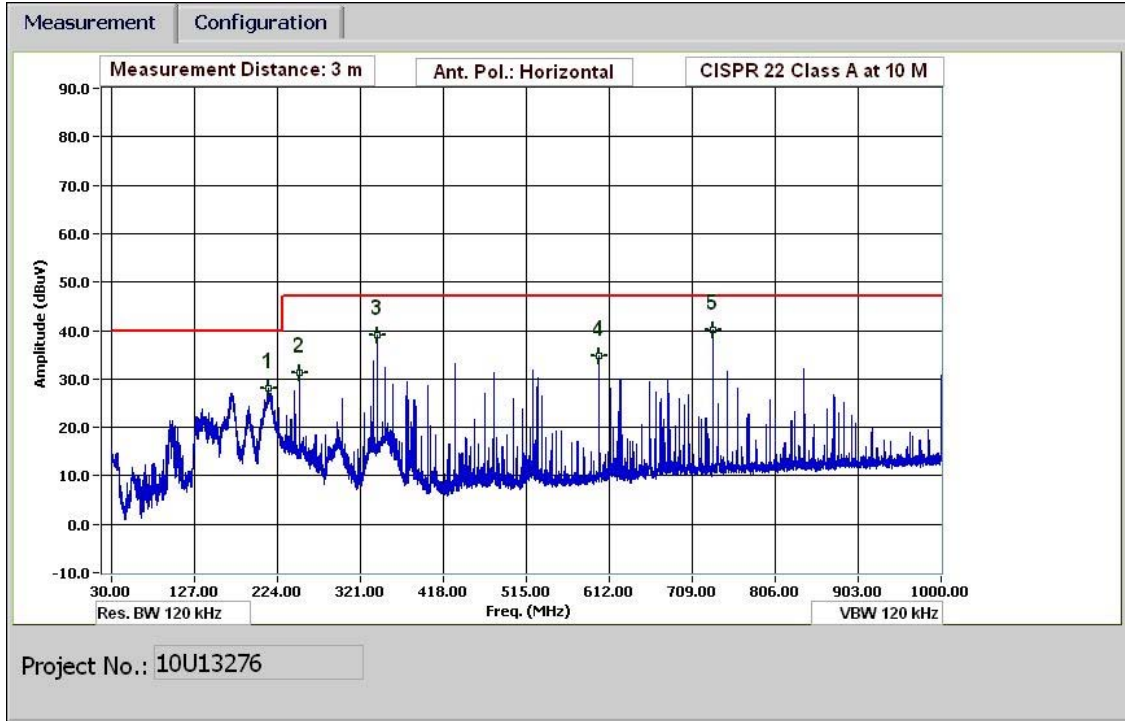


### 3.8.3. TRANSMITTER RADIATED EMISSIONS BELOW 1 GHZ SPURIOUS AND DIGITAL SECTION EMISSIONS

#### 64 QAM5 MHz Channels (Worst case emissions)



**30-1000MHz Frequency Measurement**  
**Compliance Certification Services, Fremont 5m Chamber**

**Test Engr:** Thanh Nguyen  
**Date:** 06/22/10  
**Project #:** 10U13276  
**Company:** PureWave Networks Inc.  
**EUT Description:** 6X6 3.65GHz WIMAX Base Station  
**EUT M/N:** Quantum 6600  
**Test Target:** EN55022 Class A  
**Mode Oper:** Tx 64QAM 5MHz BW, Low Ch 3652.5MHz

f	Measurement Frequency	Amp	Preamp Gain	Margin	Margin vs. Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters		
Read	Analyzer Reading	Filter	Filter Insert Loss		
AF	Antenna Factor	Corr.	Calculated Field Strength		
CL	Cable Loss	Limit	Field Strength Limit		

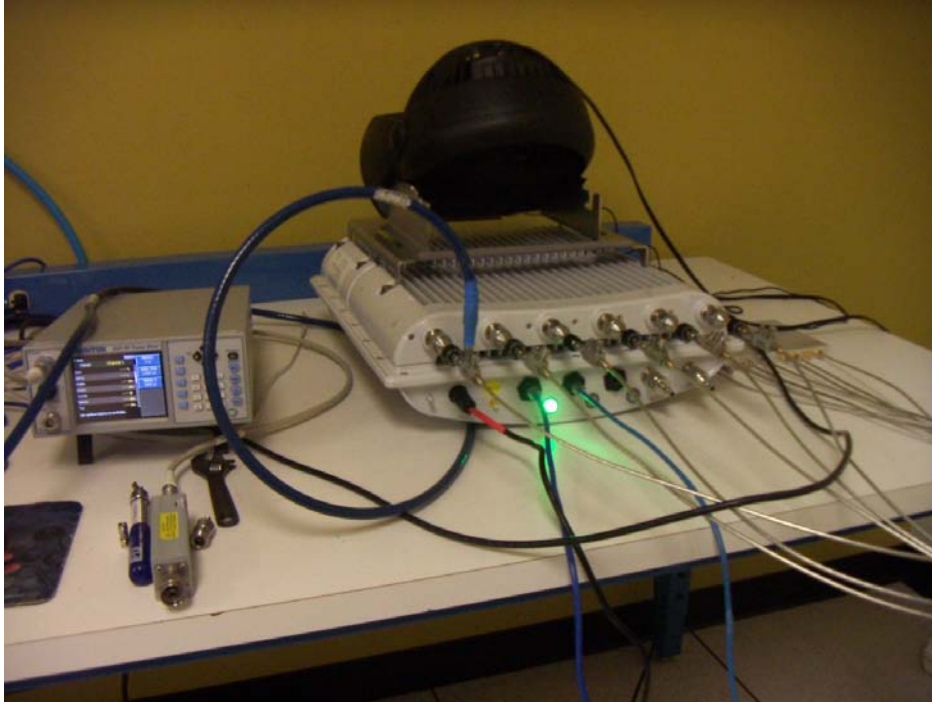
f MHz	Dist (m)	Read dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Filter dB	Corr. dBuV/m	Limit dBuV/m	Margin dB	Ant. Pol. V/H	Det. P/A/QP
98.163	3.0	58.3	9.5	0.9	28.3	-10.5	0.0	29.9	40.0	-10.1	V	P
136.684	3.0	55.5	13.3	1.1	28.3	-10.5	0.0	31.2	40.0	-8.8	V	P
215.528	3.0	57.8	11.9	1.3	28.2	-10.5	0.0	32.4	40.0	-7.6	V	P
249.969	3.0	60.5	11.8	1.4	28.2	-10.5	0.0	35.0	47.0	-12.0	V	P
336.013	3.0	61.5	14.0	1.6	28.1	-10.5	0.0	38.6	47.0	-8.4	V	P
340.933	3.0	66.8	14.0	1.6	28.1	-10.5	0.0	43.9	47.0	-3.1	V	P
599.904	3.0	50.5	18.4	2.2	27.5	-10.5	0.0	33.1	47.0	-13.9	V	P
733.349	3.0	49.4	20.0	2.5	27.3	-10.5	0.0	34.3	47.0	-12.7	V	P
212.768	3.0	53.4	11.9	1.3	28.2	-10.5	0.0	28.0	40.0	-12.0	H	P
250.089	3.0	56.7	11.8	1.4	28.2	-10.5	0.0	31.2	47.0	-15.8	H	P
340.933	3.0	61.9	14.0	1.6	28.1	-10.5	0.0	39.0	47.0	-8.0	H	P
600.024	3.0	52.0	18.4	2.2	27.5	-10.5	0.0	34.7	47.0	-12.3	H	P
733.349	3.0	55.4	20.0	2.5	27.3	-10.5	0.0	40.2	47.0	-6.8	H	P

Rev. 1.27.09

Note: No other emissions were detected above the system noise floor.

## 5. SETUP PHOTOS

### ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP

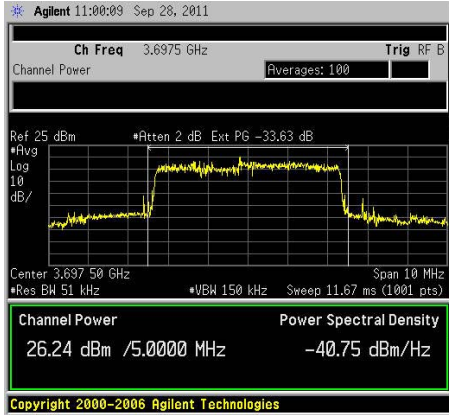


**END OF REPORT**

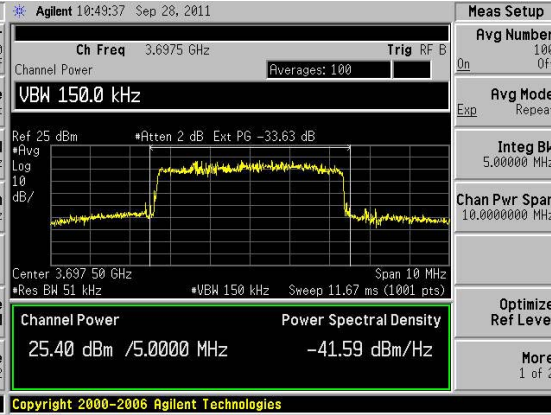
APPENDIX A: POWER OUTPUT SPECTRUM ANALYZER PLOTS

POWER OUTPUT SPECTRUM ANALYZER PLOTS: QPSK 5 MHZ  
 30 dBm setting

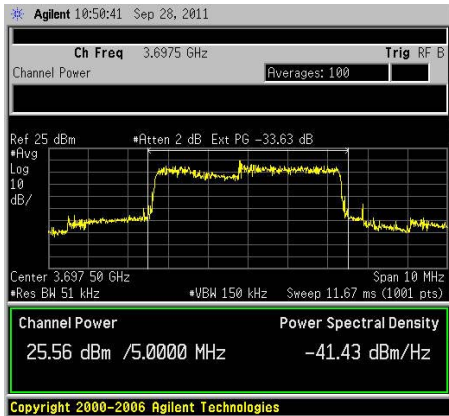
Chain 1



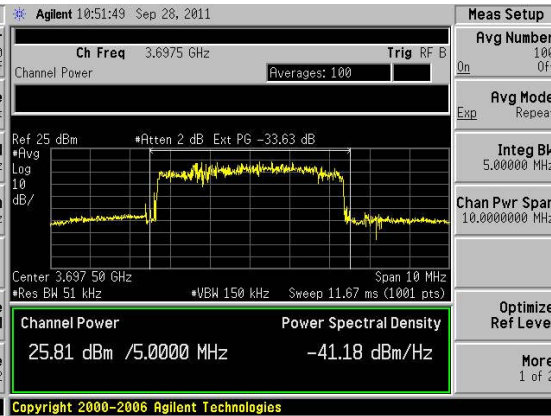
Chain 2



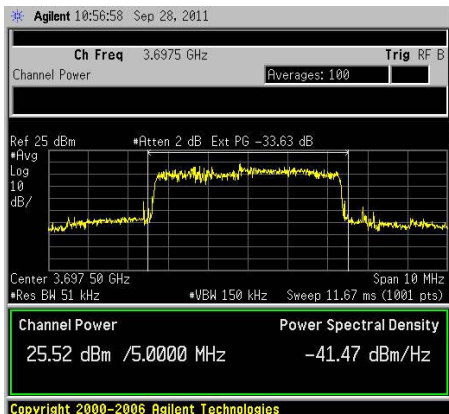
Chain 3



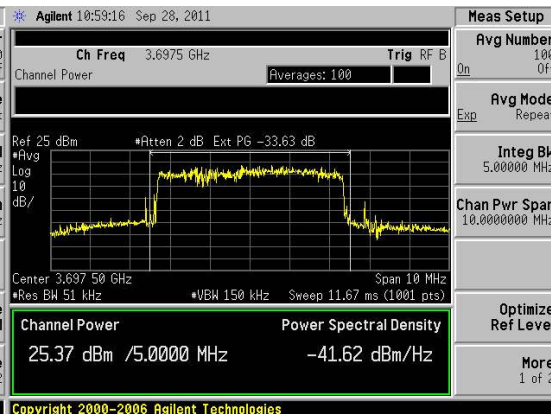
Chain 4



Chain 5

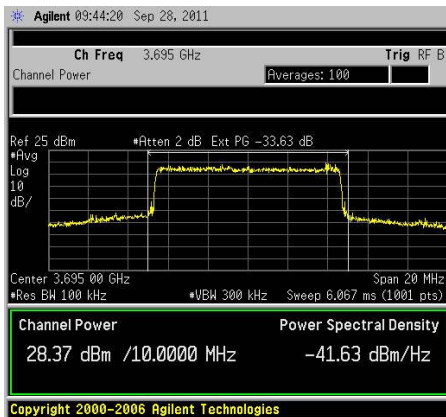


Chain 6

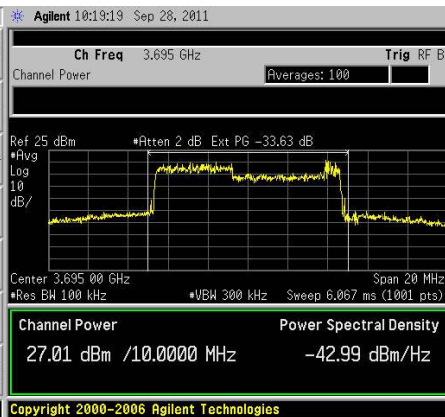


POWER OUTPUT SPECTRUM ANALYZER PLOTS: QPSK 10 MHz EBW  
 33 dBm setting

Chain 1



Chain 2



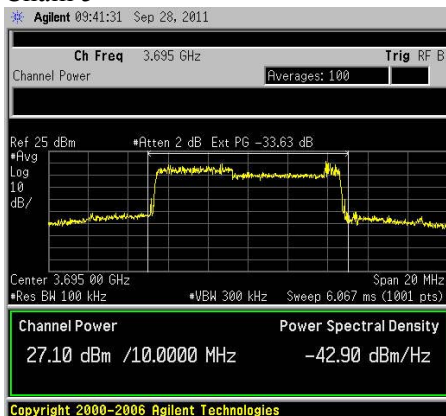
Chain 3



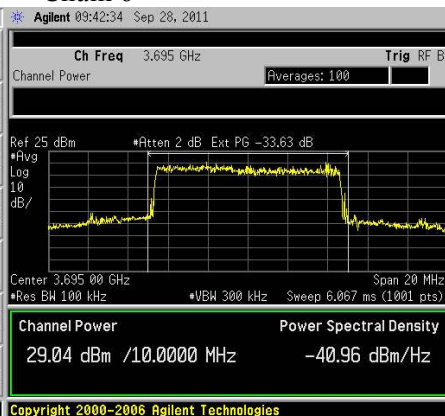
Chain 4



Chain 5

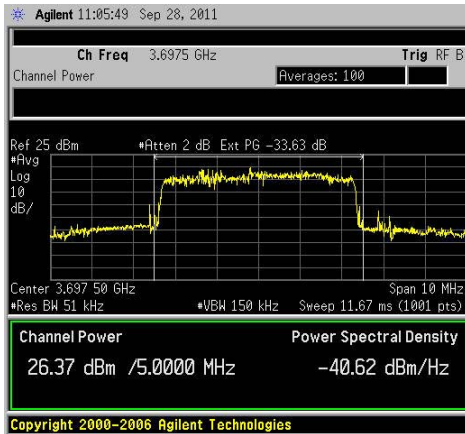


Chain 6

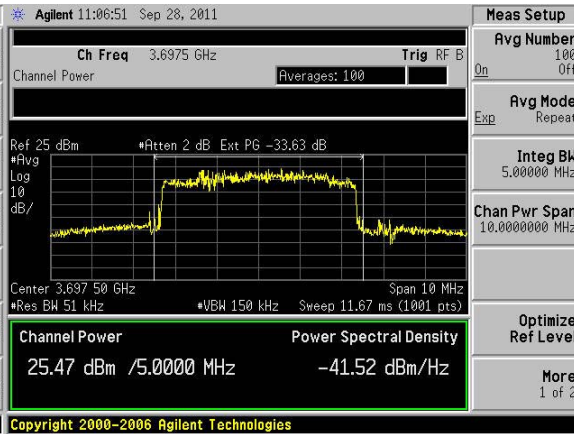


POWER OUTPUT SPECTRUM ANALYZER PLOTS: 16QAM 5 MHz EBW  
 30 dBm setting

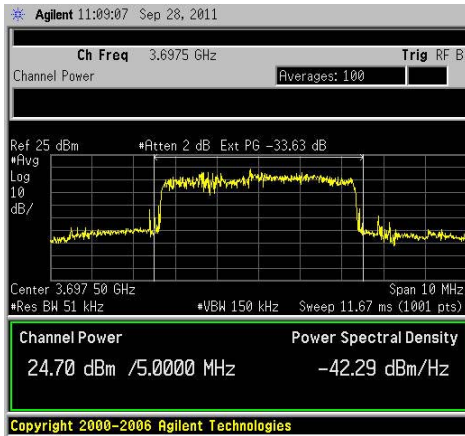
Chain 1



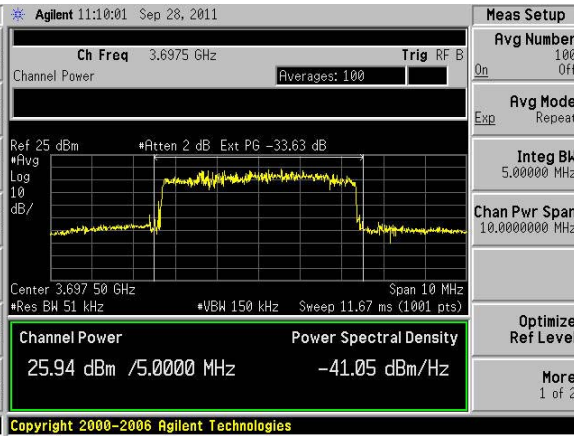
Chain 2



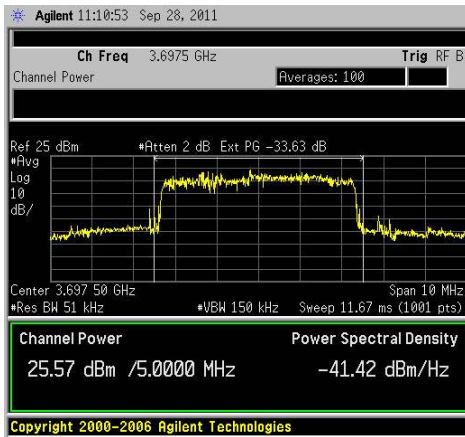
Chain 3



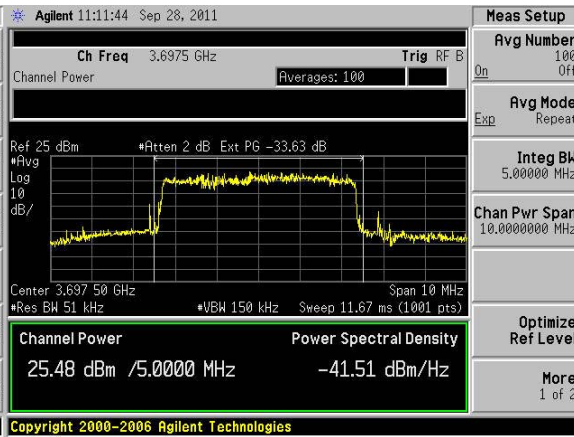
Chain 4



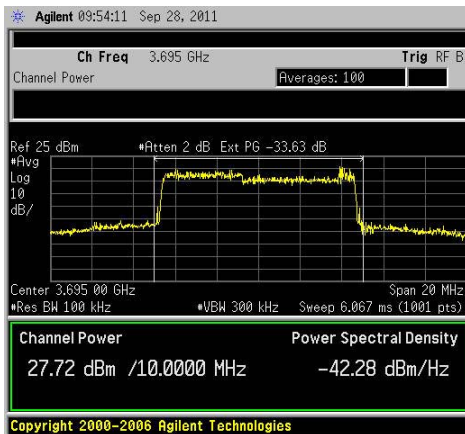
Chain 5



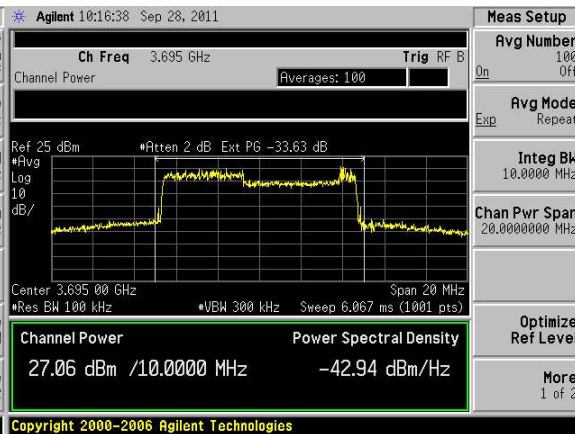
Chain 6



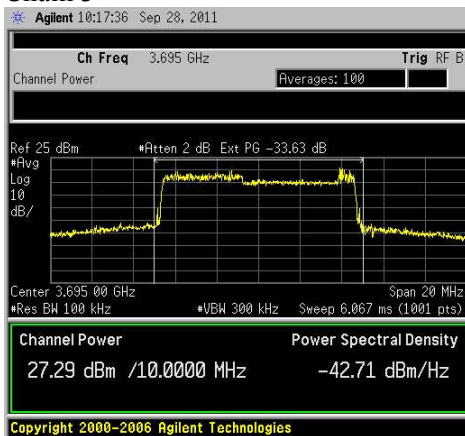
Chain 1



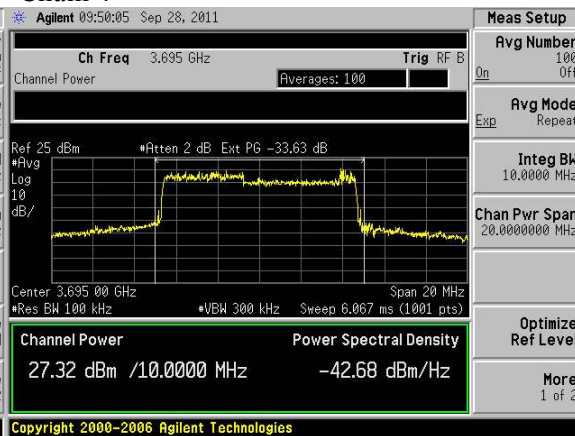
Chain 2



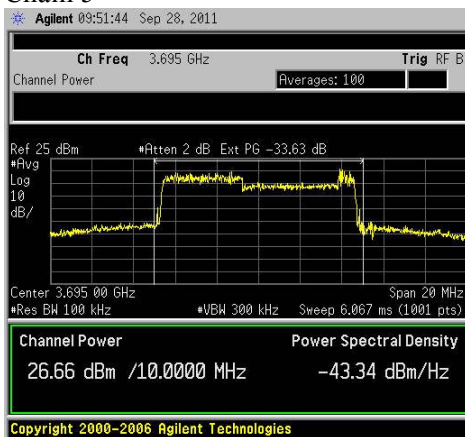
Chain 3



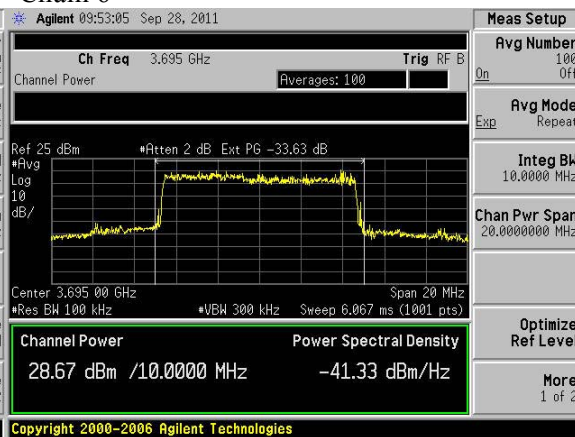
Chain 4



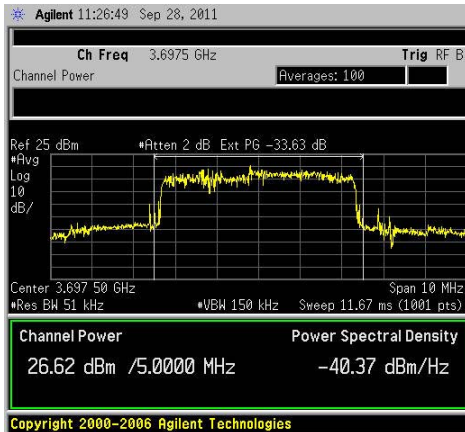
Chain 5



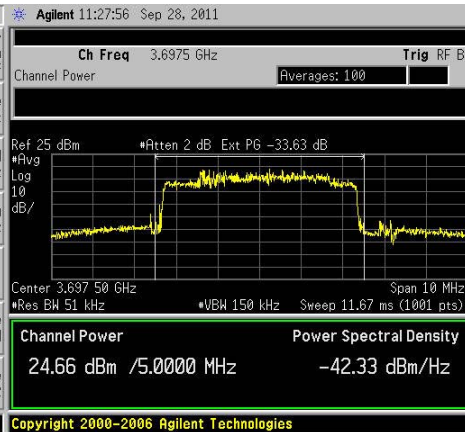
Chain 6



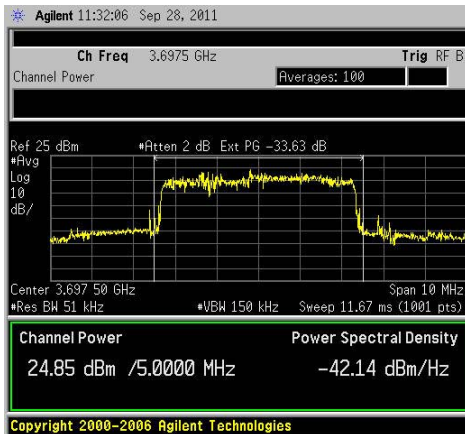
Chain 1



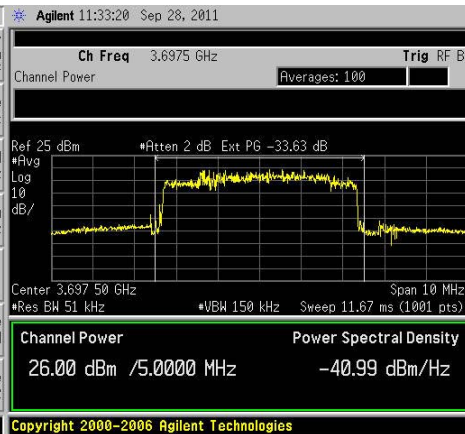
Chain 2



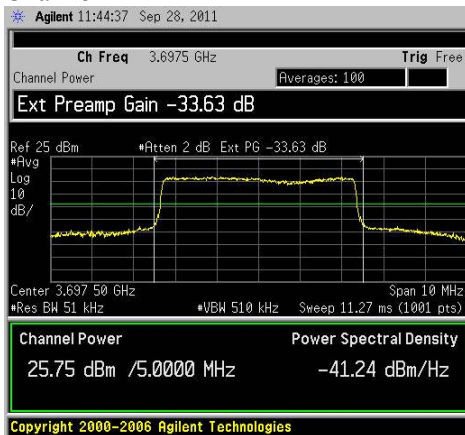
Chain 3



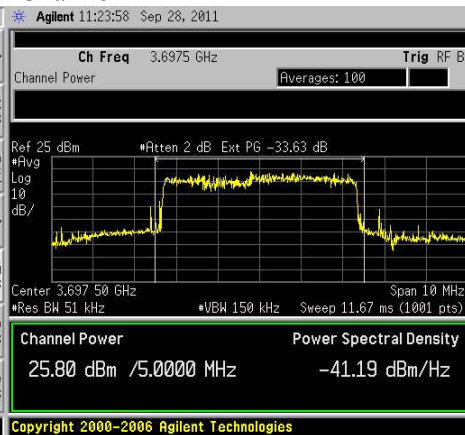
Chain 4



Chain 5



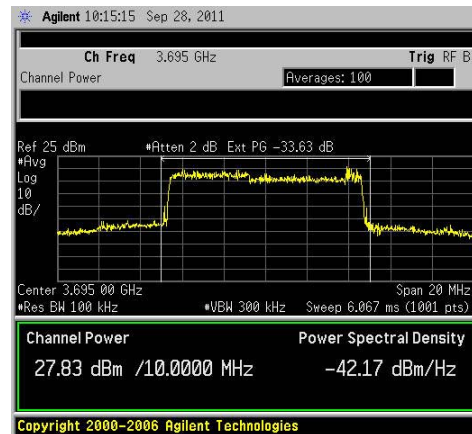
Chain 6



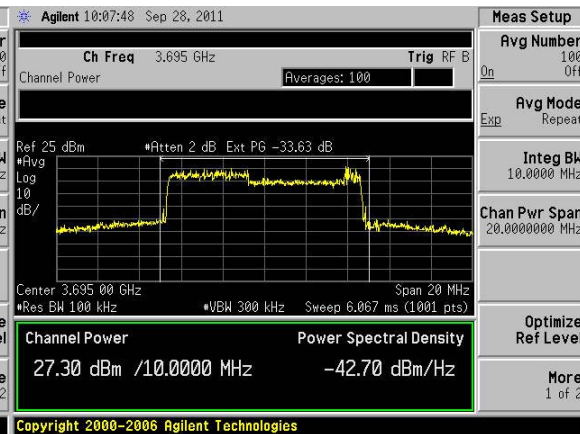


POWER OUTPUT SPECTRUM ANALYZER PLOTS: 64QAM 10 MHz EBW  
 33 dBm setting

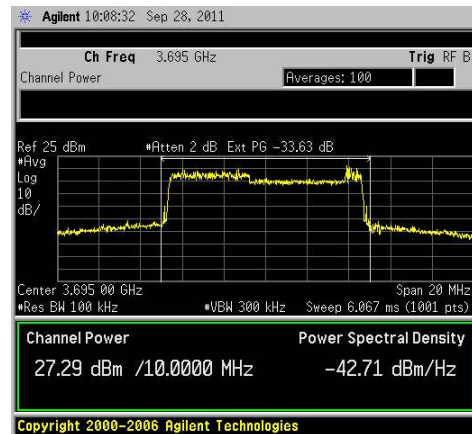
Chain 1



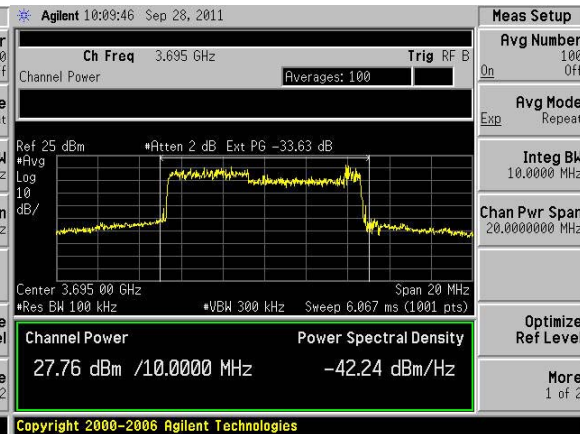
Chain 2



Chain 3



Chain 4



Chain 5



Chain 6

