

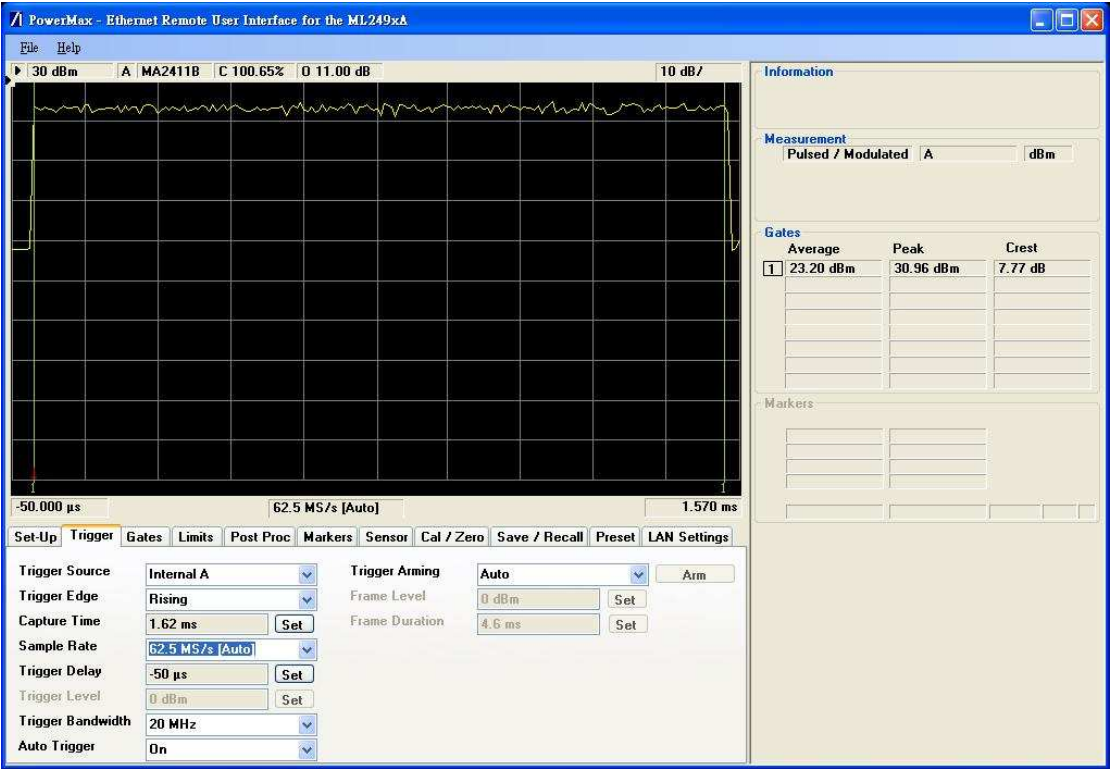
## APPENDIX-E UL BURST PEAK-TO-AVERAGE POWER RATIO PLOTS

### Peak to Average ration

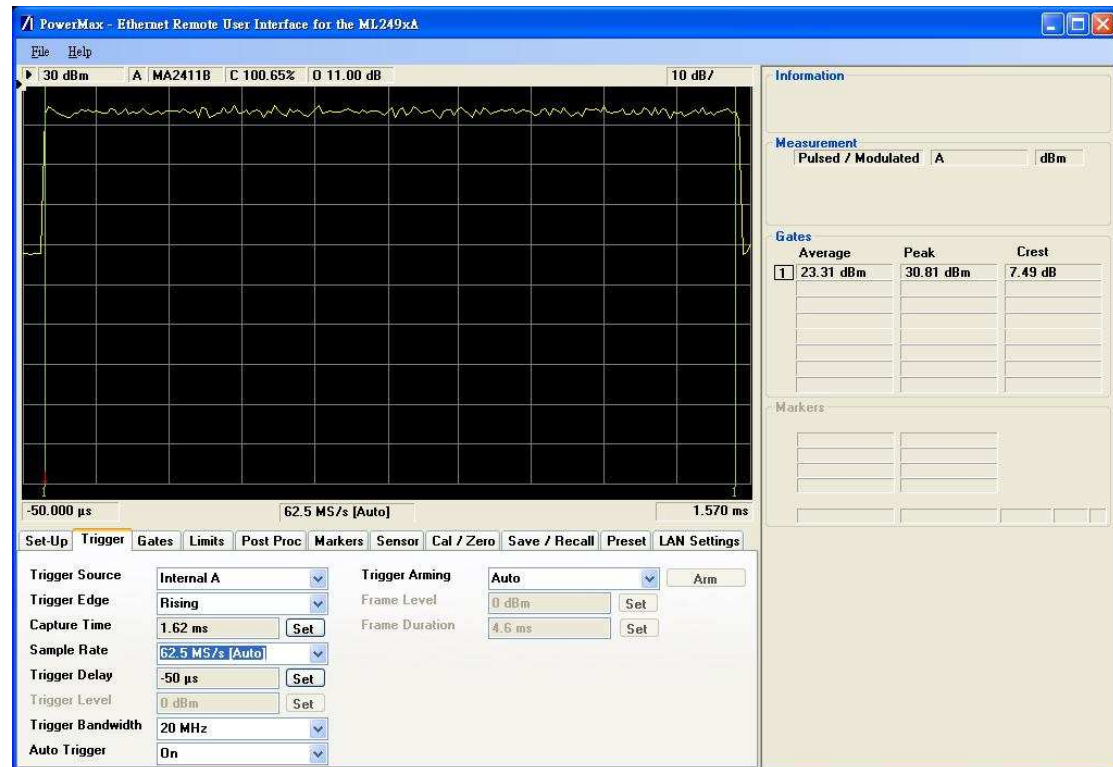
Bandwidth	Frequency(MHz)	Modulation	Average	Peak	Peak to Average
5MHz	2505	QPSK 1/2	23.21	31.43	8.22
		16QAM 1/2	23.15	30.95	7.79
	2600	QPSK 1/2	23.2	30.96	7.77
		16QAM 1/2	23.31	30.81	7.49
	2685	QPSK 1/2	23.22	30.47	7.25
		16QAM 1/2	23.19	30.39	7.2
10MHz	2505	QPSK 1/2	23.07	30.94	7.88
		16QAM 1/2	23.21	30.97	7.76
	2600	QPSK 1/2	23.13	30.74	7.61
		16QAM 1/2	23.03	30.67	7.63
	2685	QPSK 1/2	23.19	30.31	7.12
		16QAM 1/2	23.2	30.32	7.12

Please note that only middle channel plots are included below. H/L channel plots are available upon request. Thanks.

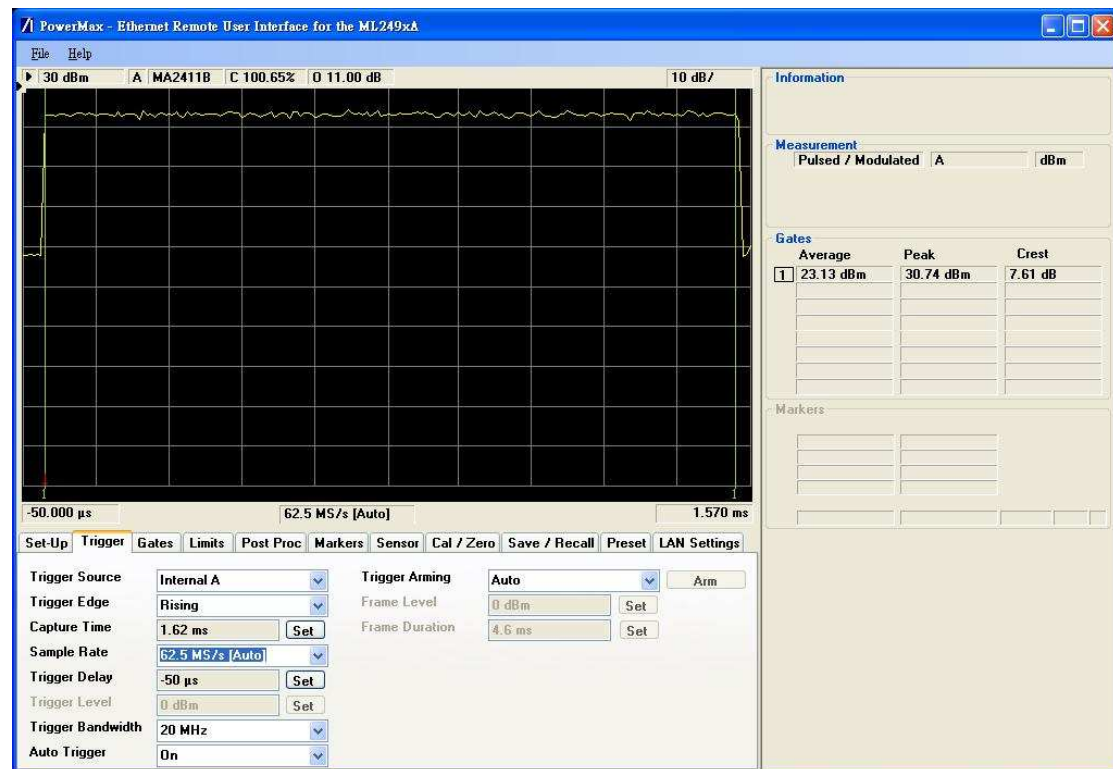
Bandwidth 5MHz / Modulation : QPSK 1/2  
2600MHz



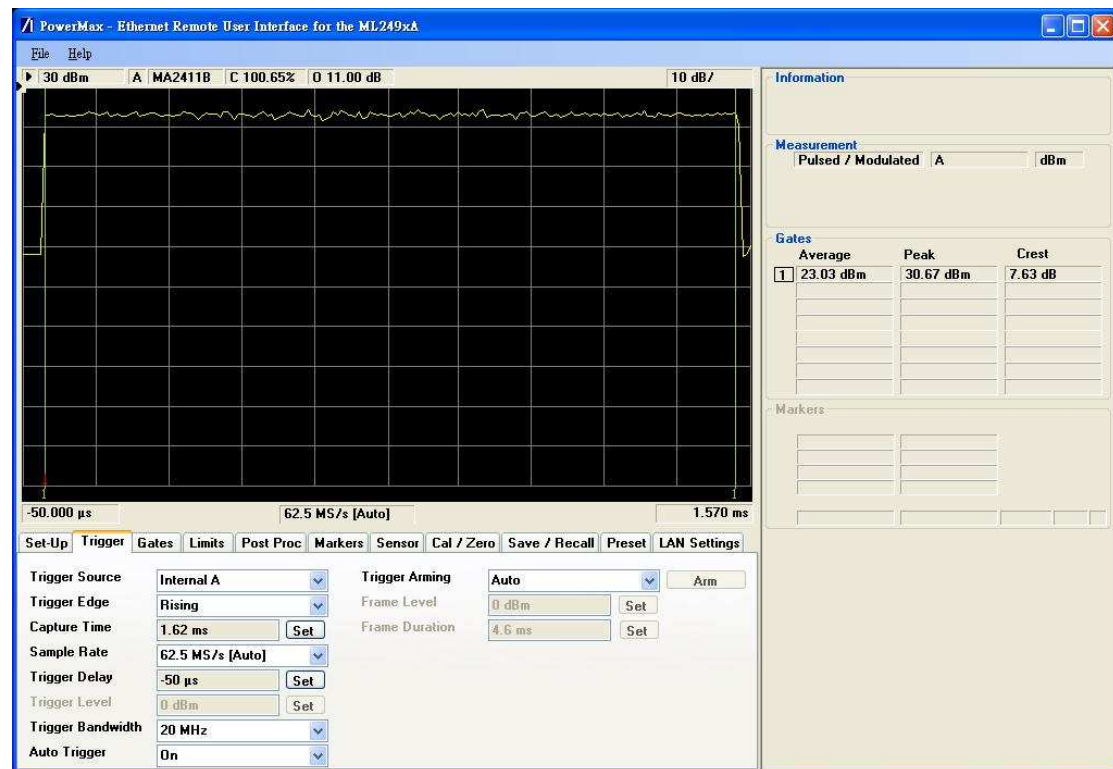
2600MHz



**Bandwidth 10MHz / Modulation : QPSK 1/2**  
**2600MHz**



**Bandwidth 10MHz / Modulation : 16QAM 1/2**  
**2600MHz**



## APPENDIX-F DUTY CYCLE OF TEST SIGNAL

Calculation method for Duty cycle

Burst length = Mark 4 – Mark1

First 3 symbols UL time = Mark 2 – Mark1

15 symbols UL time = Mark 3 – Mark2

Duty cycle = 15 symbols UL time / frame length \*100 %

EX Calculate the duty cycle of 5MHz QPSK 1/2

Duty cycle = (4.85ms -3.283ms) / (7.917ms - 2.917ms)\*100%

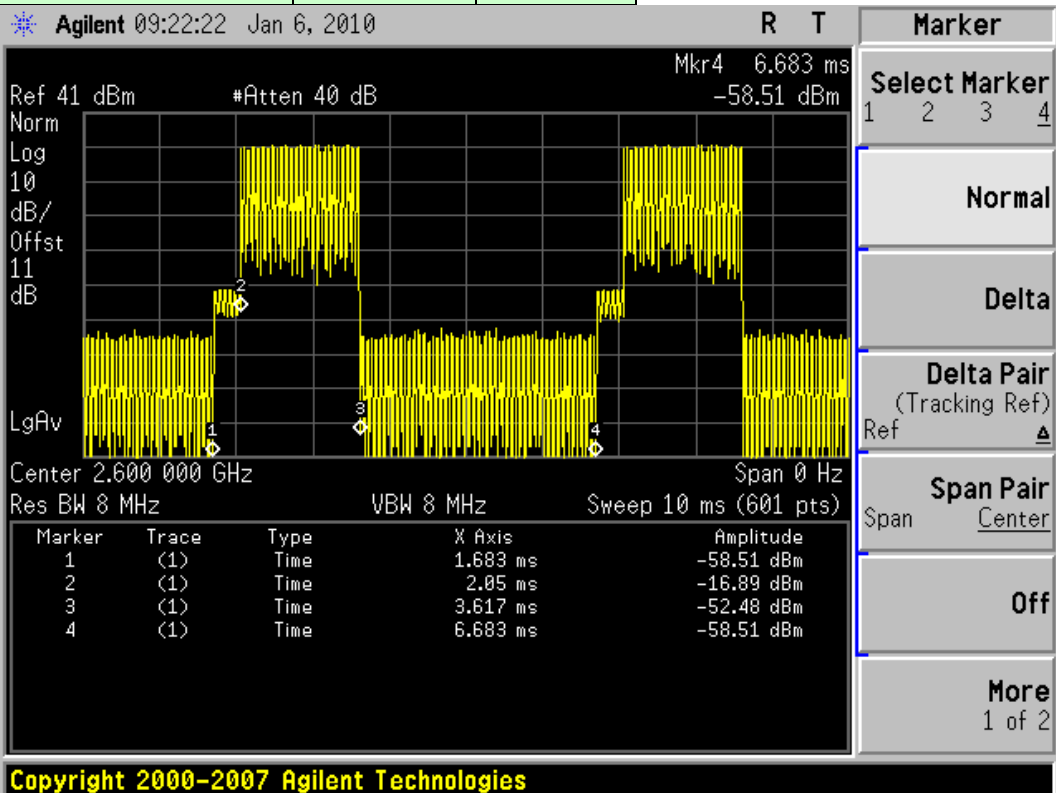
=1.567 / 5 \* 100%

=31.34 %

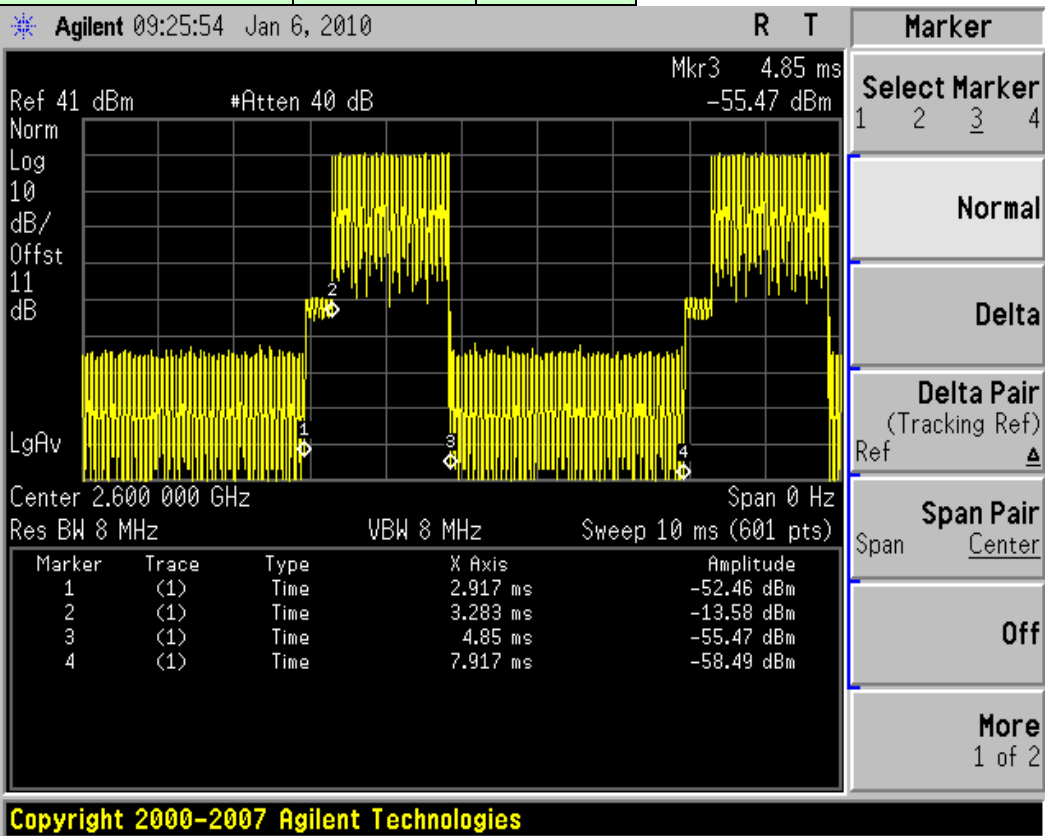
Channel : 2600MHz	BANDWIDTH : 5MHz						
	Mark information on plots				Duty cycle		
	Mark 1 (ms)	Mark 2 (ms)	Mark 3 (ms)	Mark 4 (ms)	15 symbols UL time (ms)	Burst length (ms)	Duty cycle
<b>16QAM 1/2</b>	1.683	2.05	3.617	6.683	1.567	5	31.34%
<b>QPSK 1/2</b>	2.917	3.283	4.85	7.917	1.567	5	31.34%

Channel : 26005MHz	BANDWIDTH : 10MHz						
	Mark information on plots				Duty cycle		
	Mark 1 (ms)	Mark 2 (ms)	Mark 3 (ms)	Mark 4 (ms)	15 symbols UL time (ms)	Burst length (ms)	Duty cycle
<b>16QAM 1/2</b>	2.85	3.183	4.75	7.85	1.567	5	31.34%
<b>QPSK 1/2</b>	1.55	1.917	3.483	6.55	1.566	5	31.32%

Channel : 2600MHz BW : 5MHz 16QAM1/2

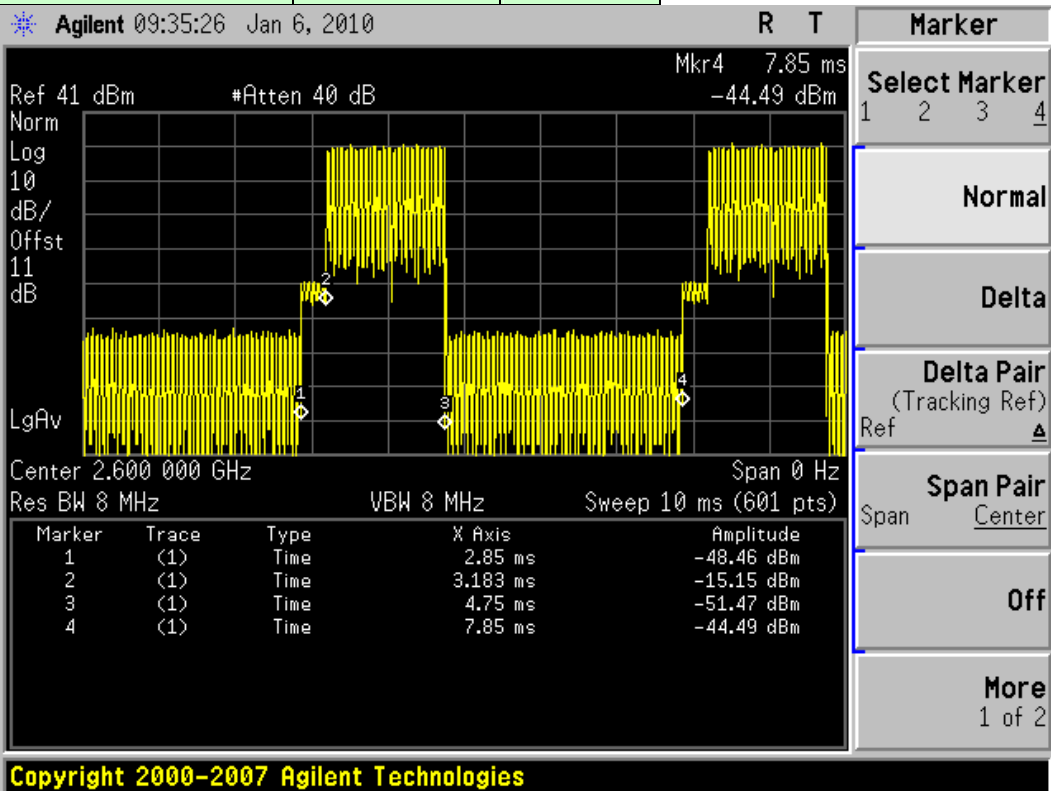


Channel : 2600MHz BW : 5MHz QPSK1/2





Channel : 2600MHz BW : 10MHz 16QAM1/2



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Channel : 2600MHz BW : 10MHz QPSK1/2

