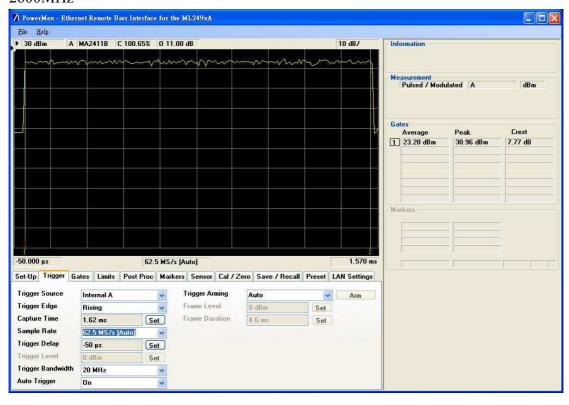
APPENDIX-E UL BURST PEAK-TO-AVERAGE POWER RATIO PLOTS

Peak to Average ration

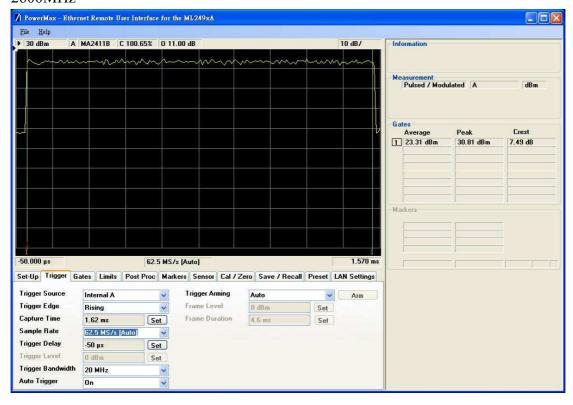
Bandwidth	Frequency(MHz)	Modulation	Average	Peak	Peak to Average
5MHz		QPSK 1/2	23.21	31.43	8.22
	2505				
		16QAM 1/2	23.15	30.95	7.79
	2600	QPSK 1/2	23.2	30.96	7.77
		16QAM 1/2	23.31	30.81	7.49
		10QAW 1/2	23.31	30.01	7.49
	2685	QPSK 1/2	23.22	30.47	7.25
		16QAM 1/2	23.19	30.39	7.2
10MHz	2505	QPSK 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
		<u> </u>		- 7.5 -	.,
		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.

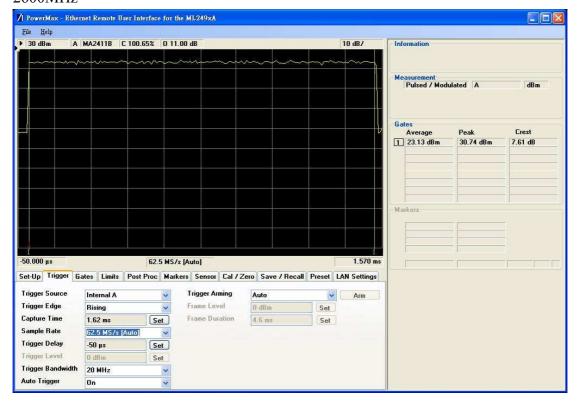
Bandwidth 5MHz/Modulation: QPSK 1/2



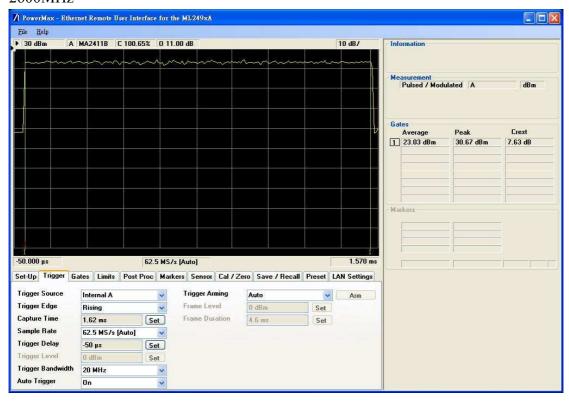
Bandwidth 5MHz/Modulation: 16QAM 1/2



Bandwidth 10MHz / Modulation: QPSK 1/2



Bandwidth 10MHz / Modulation: 16QAM 1/2



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 %

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

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

Channel: 2600MHz | BW: 5MHz | 16QAM1/2 Agilent 09:22:22 Jan 6, 2010 R Marker Mkr4 6.683 ms Select Marker Ref 41 dBm Norm -58.51 dBm #Atten 40 dB 2 3 Log 10 dB/ Normal Offst 11 dB Delta Delta Pair (Tracking Ref) LgAv Center 2.600 000 GHz Span 0 Hz Span Pair Res BW 8 MHz VBW 8 MHz Sweep 10 ms (601 pts) Span <u>Center</u> Trace (1) (1) (1) (1) (1) Amplitude -58.51 dBm -16.89 dBm -52.48 dBm -58.51 dBm Type Time Time Time X Axis 1.683 ms 2.05 ms 3.617 ms 6.683 ms Marker 1 2 3 4 Off Time More 1 of 2 Copyright 2000-2007 Agilent Technologies

Channel: 2600MHz BW: 5MHz QPSK1/2 Agilent 09:25:54 Jan 6, 2010 R Τ Marker Mkr3 4.85 ms Select Marker Ref 41 dBm Norm -55.47 dBm #Atten 40 dB 2 3 Log 10 Normal dB/ Offst 11 dB Delta Delta Pair (Tracking Ref) LgAv Ref Center 2.600 000 GHz Span 0 Hz Span Pair Res BW 8 MHz VBW 8 MHz Sweep 10 ms (601 pts) Span <u>Center</u> Amplitude -52.46 dBm -13.58 dBm -55.47 dBm -58.49 dBm X Axis 2.917 ms 3.283 ms 4.85 ms 7.917 ms Trace
(1)
(1)
(1)
(1)
(1) Type Time Marker 1 2 3 Time Off Time Time More 1 of 2 Copyright 2000-2007 Agilent Technologies

Channel: 2600MHz | BW: 10MHz | 16QAM1/2 Agilent 09:35:26 Jan 6, 2010 R Marker Mkr4 7.85 ms Select Marker Ref 41 dBm Norm -44.49 dBm #Atten 40 dB 2 3 4 Log 10 Normal dB/ Offst 11 dB Delta Delta Pair (Tracking Ref) LgAv Ref Center 2.600 000 GHz Span 0 Hz Span Pair Res BW 8 MHz Sweep 10 ms (601 pts) VBW 8 MHz Span <u>Center</u> Marker 1 2 3 4 Trace
(1)
(1)
(1)
(1) X Axis 2.85 ms 3.183 ms 4.75 ms 7.85 ms Amplitude -48.46 dBm -15.15 dBm -51.47 dBm -44.49 dBm Type Time Time Off Time Time More 1 of 2 Copyright 2000-2007 Agilent Technologies

