



Appendix A

Modulation Characteristic Measurement According to FCC part 2.1047 and part 27 subpart C & M

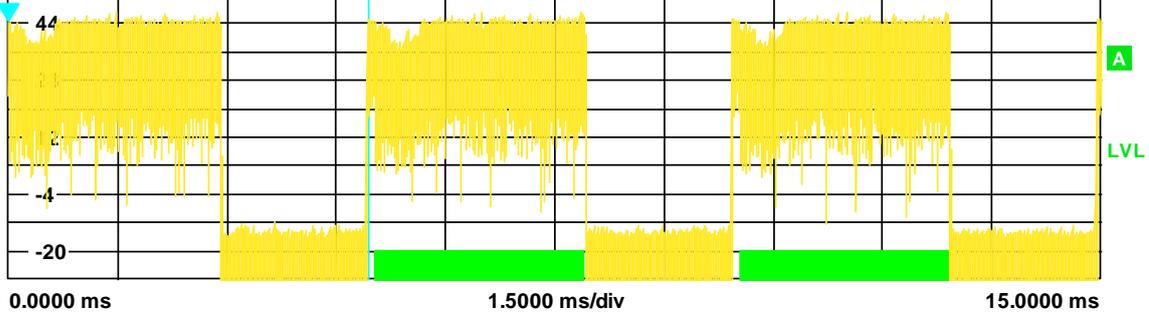


TM2:

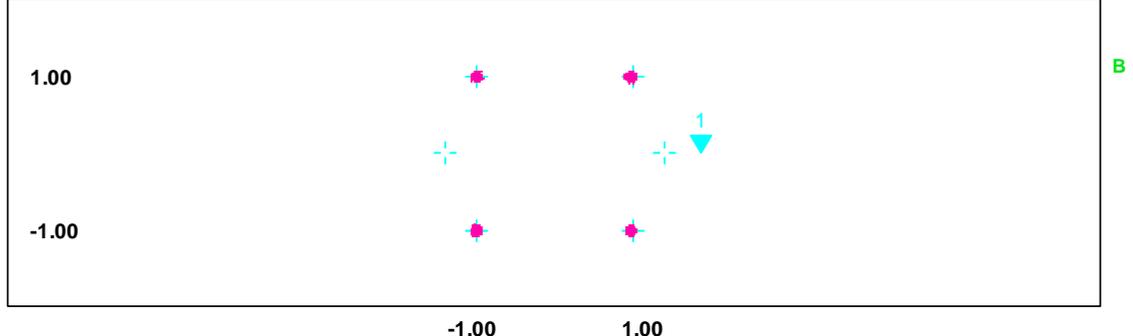
Ch.M

IEEE 802.16e-2005 OFDMA		
Frequency: 2.593 GHz	Signal Level Setting: 7.2 dBm	Ref. Level / Ext. Att: 17.2 dBm / 31 dB
N_{FFT} : 1024	Sweep Mode: Continuous	Trigger Mode / Offset: Free Run
Zone/Seg: DL-PUSC, ID=A, Seg=0	Modulation: ALL	Zone Offset / Len: 1 / 28 Symbols

Capture Memory: No of Samples 168001, Capture Time 15 ms, Gate Off, Time to Capture Buffer Start 4.94125 ms
 Ref 17.2 dBm, Att/EI 25.00 / 0.00 dB Zone/Seg 2 (2), Marker 1 44.68 dBm, 0 s



Constellation vs Symbol: Marker 1 Quadrature -0.0021, Inphase 1.8833

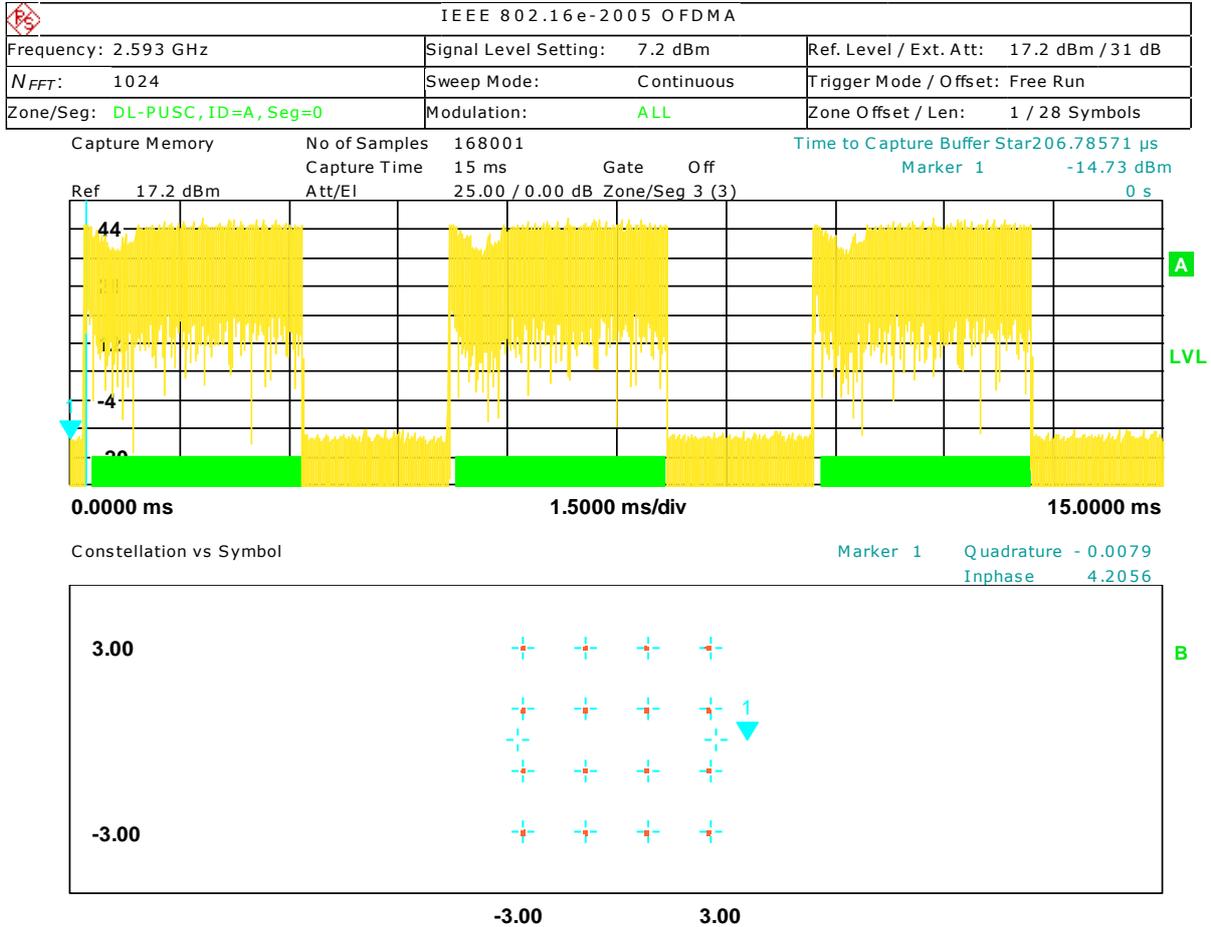


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TM3:

Ch.M



Running ...

Date: 6.JAN.2009 18:04:02

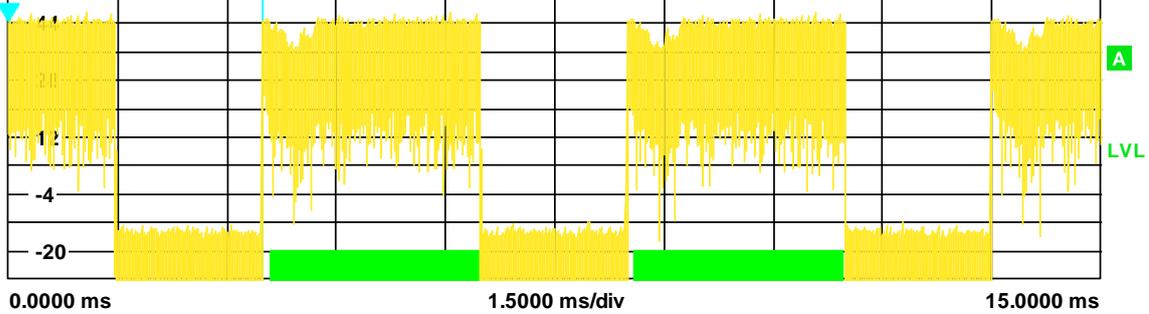


TM4:

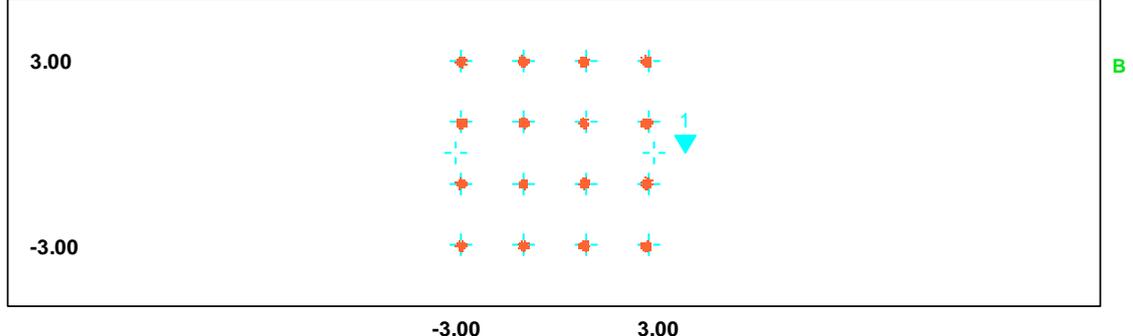
Ch.M

IEEE 802.16e-2005 OFDMA		
Frequency: 2.593 GHz	Signal Level Setting: 7.2 dBm	Ref. Level / Ext. Att: 17.2 dBm / 31 dB
N_{FFT} : 1024	Sweep Mode: Continuous	Trigger Mode / Offset: Free Run
Zone/Seg: DL-PUSC, ID=A, Seg=0	Modulation: ALL	Zone Offset / Len: 1 / 28 Symbols

Capture Memory No of Samples 168001 Time to Capture Buffer Start 3.49750 ms
 Capture Time 15 ms Gate Off Marker 1 44.76 dBm
 Ref 17.2 dBm Att/EI 25.00 / 0.00 dB Zone/Seg 2 (2) 0 s



Constellation vs Symbol Marker 1 Quadrature 0.0177
 Inphase 4.2095

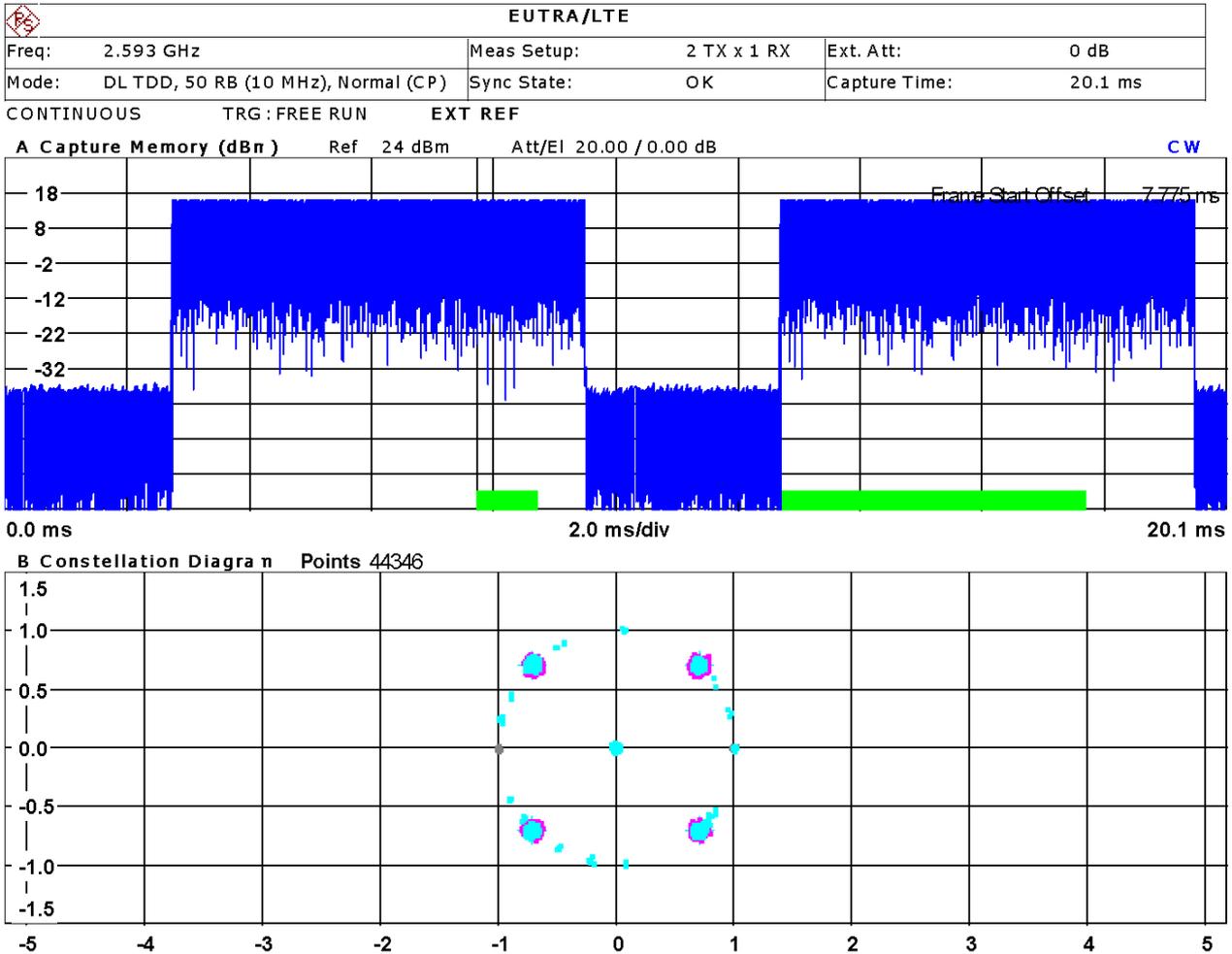


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LTE:



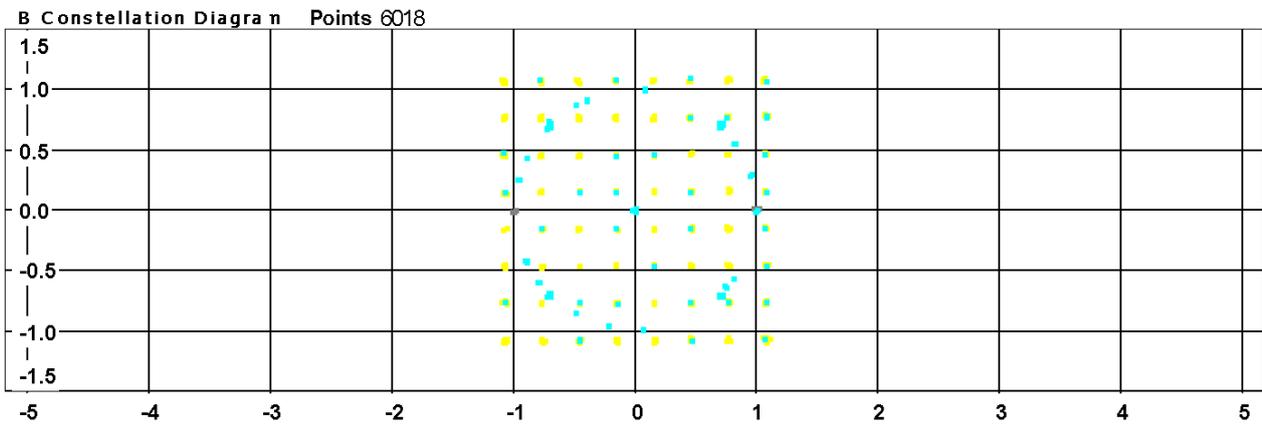
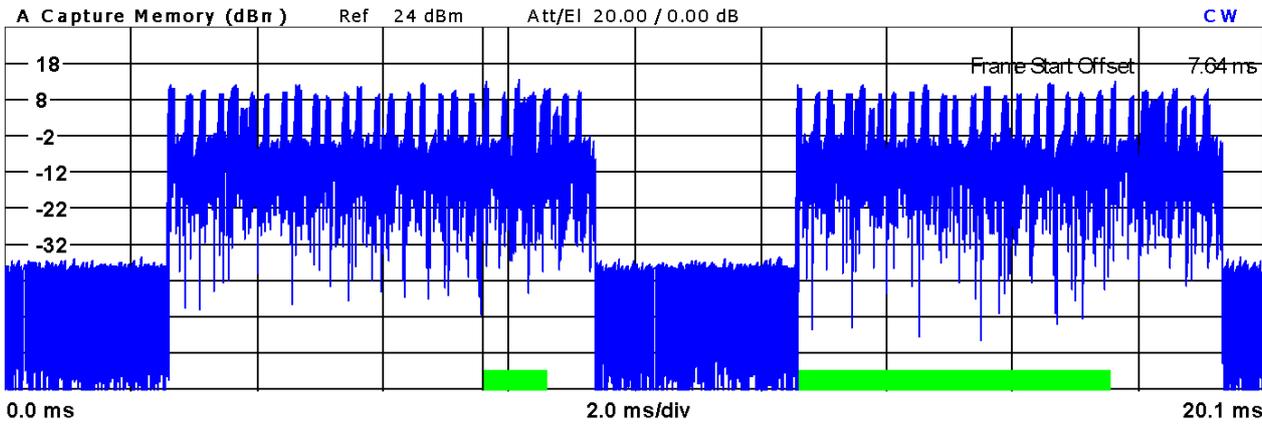
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Date: 11.NOV.2011 04:04:33



EUTRA/LTE					
Freq:	2.593 GHz	Meas Setup:	2 TX x 1 RX	Ext. Att:	0 dB
Mode:	DL TDD, 50 RB (10 MHz), Normal (CP)	Sync State:	OK	Capture Time:	20.1 ms

CONTINUOUS TRG: FREE RUN EXT REF



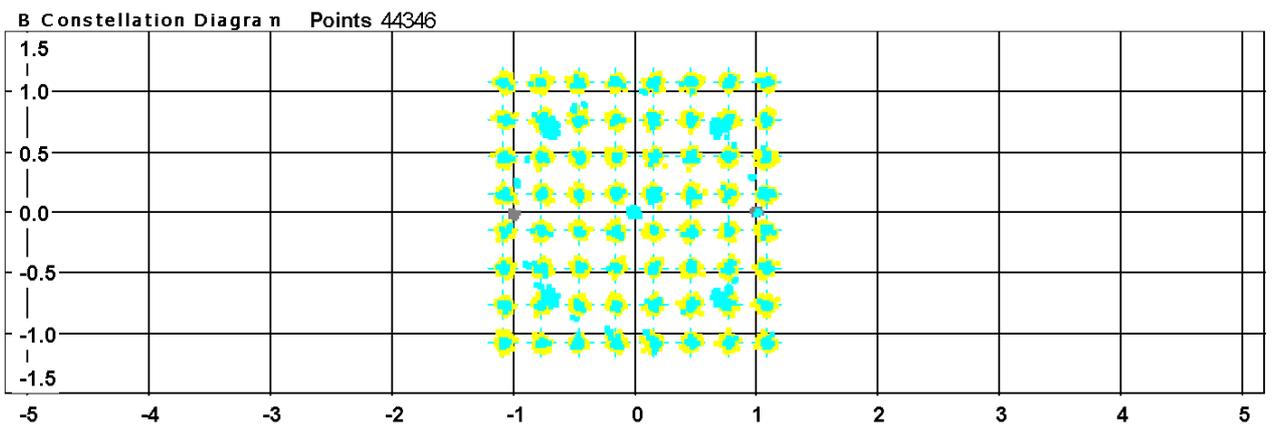
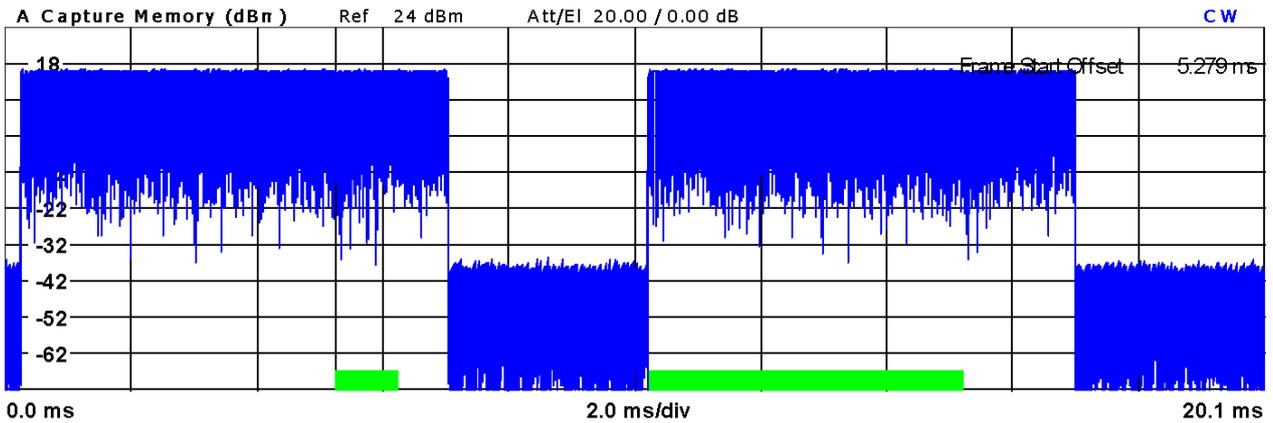
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Date: 11.NOV.2011 04:06:02



EUTRA/LTE			
Freq:	2.593 GHz	Meas Setup:	2 TX x 1 RX
Mode:	DL TDD, 50 RB (10 MHz), Normal (CP)	Ext. Att:	0 dB
		Sync State:	OK
		Capture Time:	20.1 ms

CONTINUOUS TRG: FREE RUN EXT REF



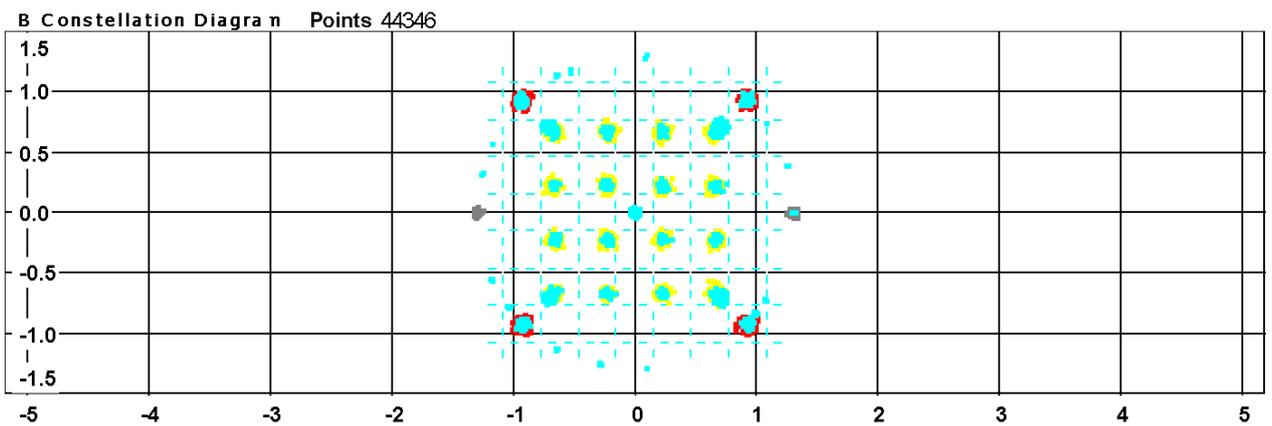
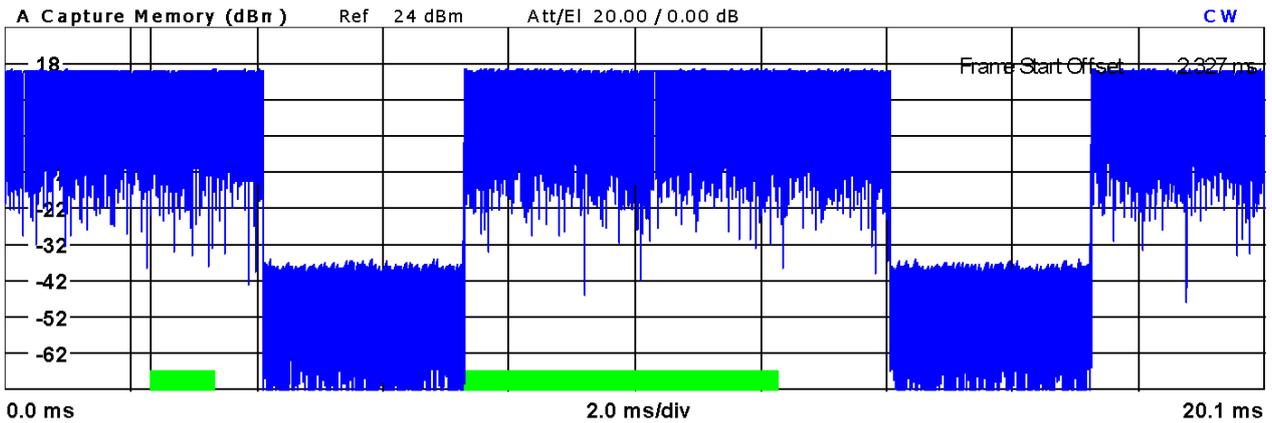
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Date: 11.NOV.2011 04:06:42



EUTRA/LTE			
Freq:	2.593 GHz	Meas Setup:	2 TX x 1 RX
Mode:	DL TDD, 50 RB (10 MHz), Normal (CP)	Ext. Att:	0 dB
		Sync State:	OK
		Capture Time:	20.1 ms

CONTINUOUS TRG: FREE RUN EXT REF



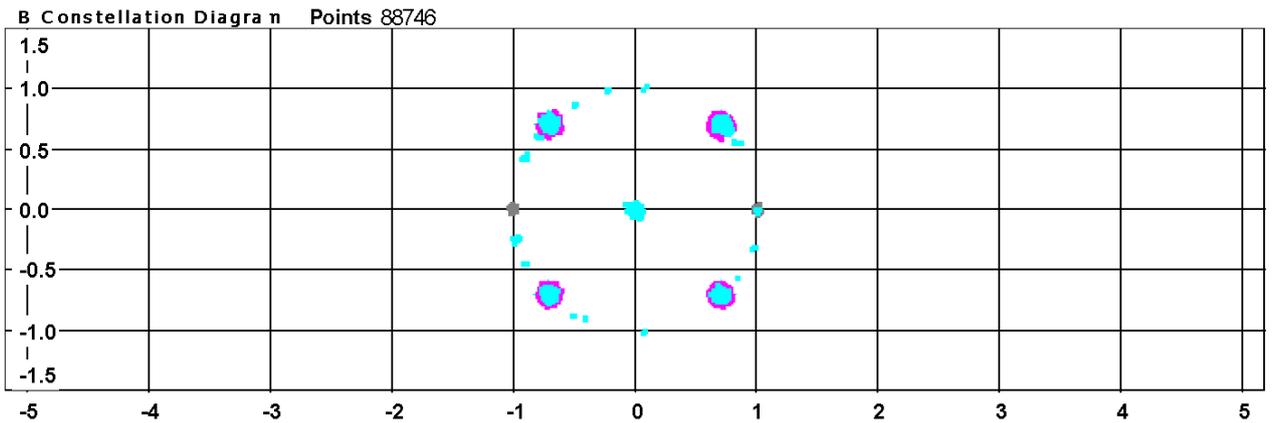
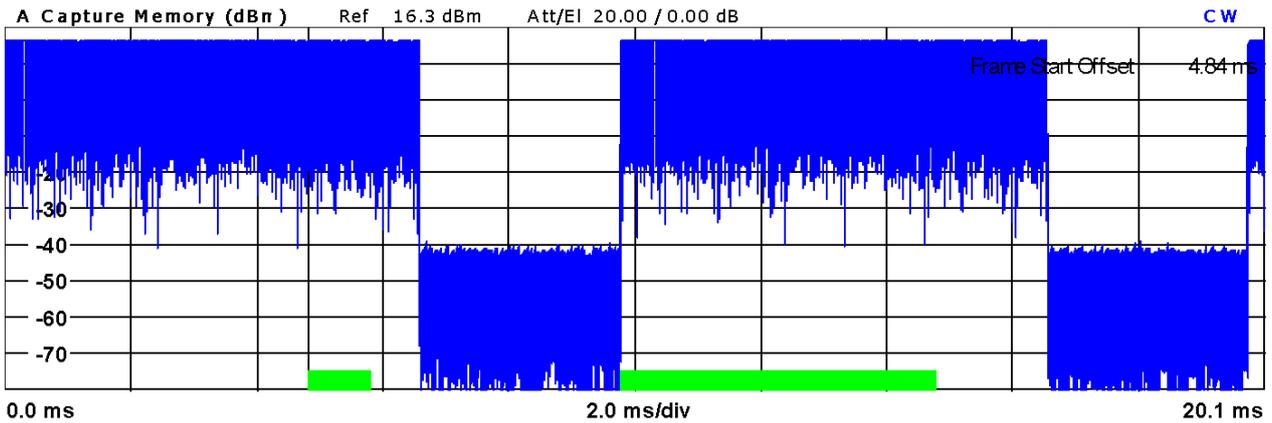
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Date: 11.NOV.2011 04:08:19



EUTRA/LTE			
Freq:	2.506 GHz	Meas Setup:	2 TX x 1 RX
Mode:	DL TDD, 100 RB (20 MHz), Normal (CP)	Ext. Att:	0 dB
		Sync State:	OK
		Capture Time:	20.1 ms

CONTINUOUS TRG: FREE RUN EXT REF



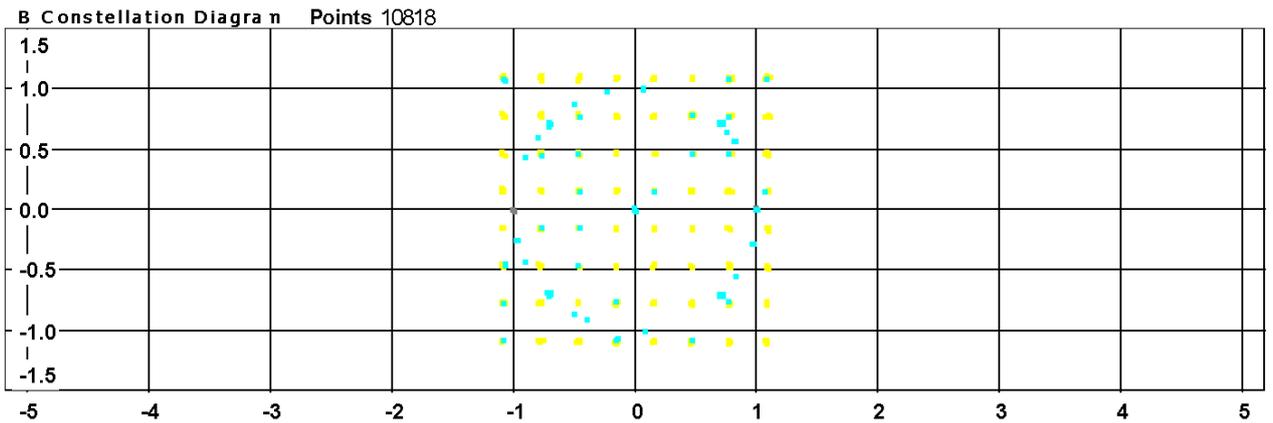
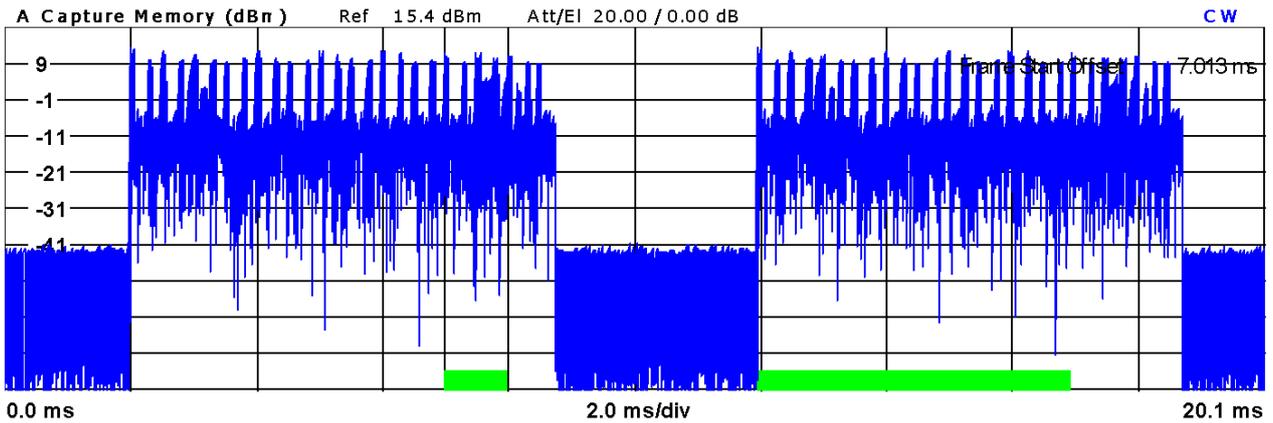
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Date: 11.NOV.2011 03:54:10



EUTRA/LTE			
Freq:	2.506 GHz	Meas Setup:	2 TX x 1 RX
Mode:	DL TDD, 100 RB (20 MHz), Normal (CP)	Ext. Att:	0 dB
		Sync State:	OK
		Capture Time:	20.1 ms

CONTINUOUS TRG: FREE RUN EXT REF

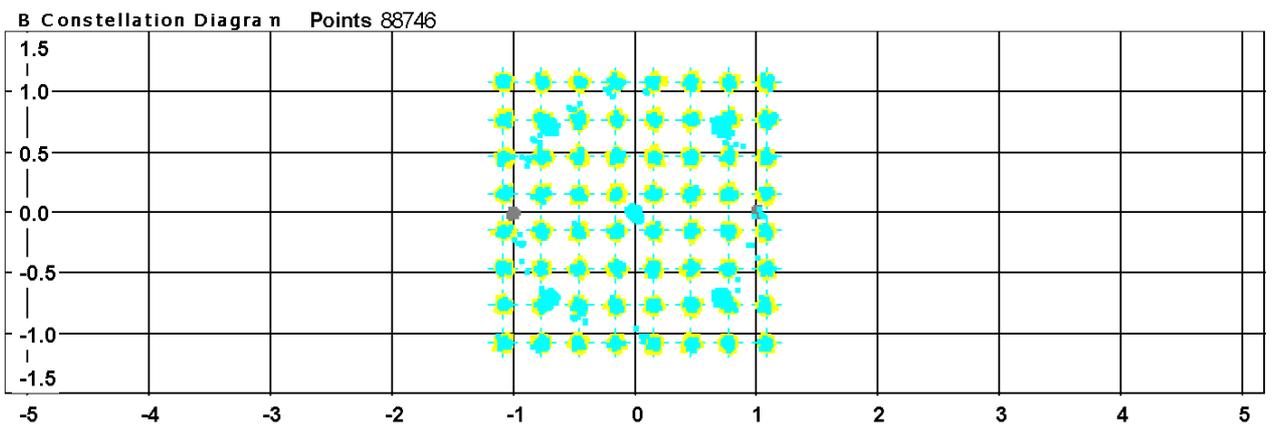
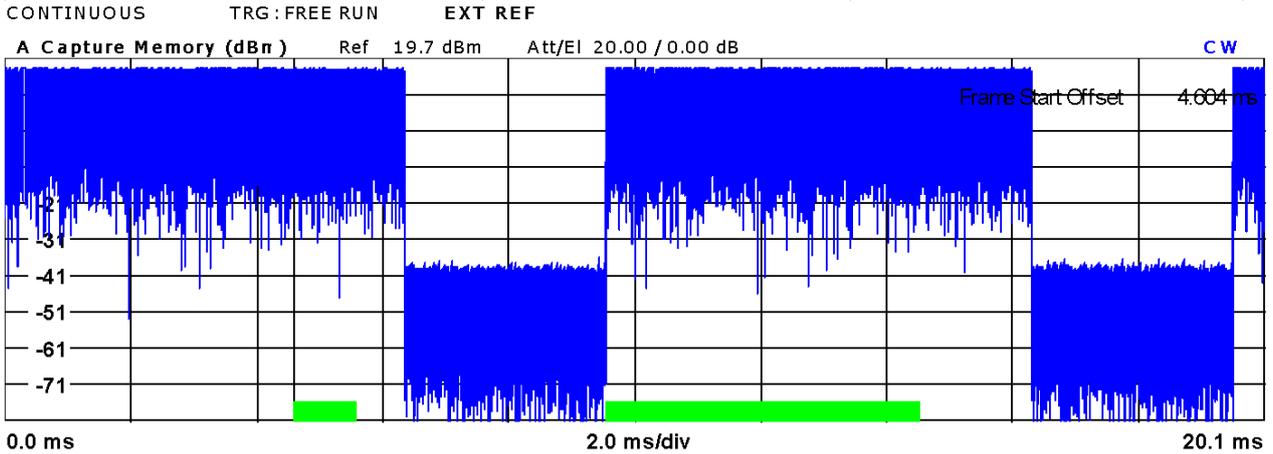


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Date: 11.NOV.2011 03:32:16



EUTRA/LTE			
Freq:	2.506 GHz	Meas Setup:	2 TX x 1 RX
Mode:	DL TDD, 100 RB (20 MHz), Normal (CP)	Ext. Att:	0 dB
		Sync State:	OK
		Capture Time:	20.1 ms



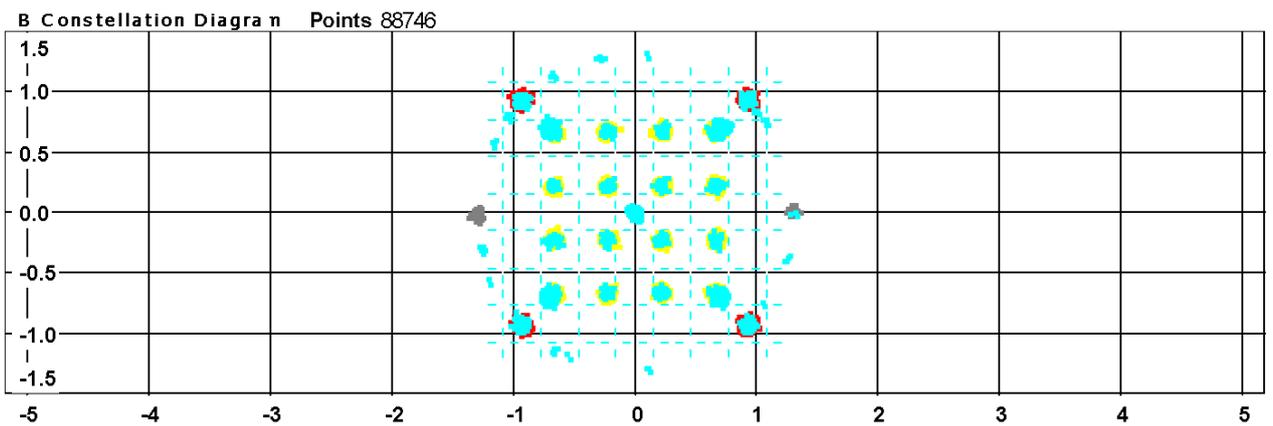
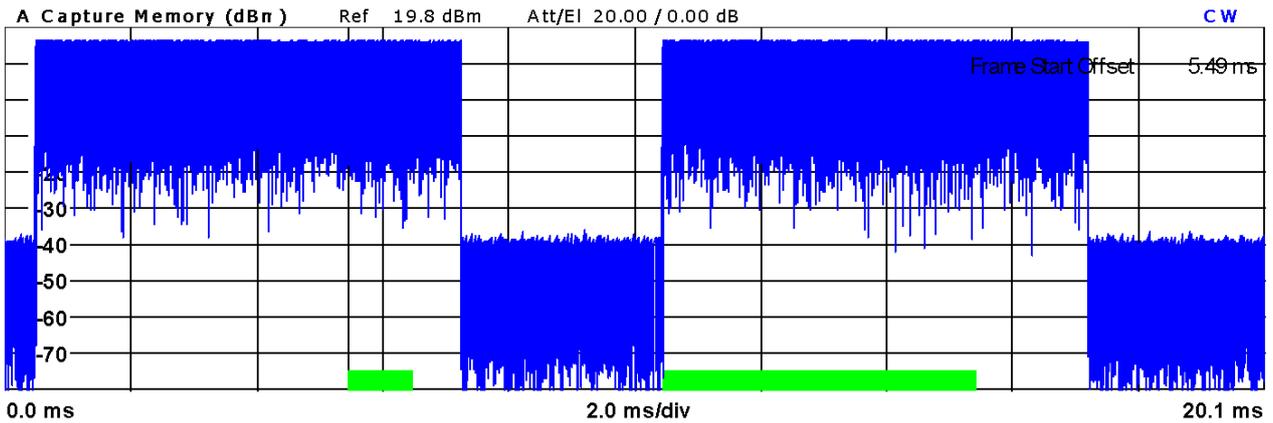
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Date: 11.NOV.2011 03:39:55



EUTRA/LTE			
Freq:	2.506 GHz	Meas Setup:	2 TX x 1 RX
Mode:	DL TDD, 100 RB (20 MHz), Normal (CP)	Ext. Att:	0 dB
		Sync State:	OK
		Capture Time:	20.1 ms

CONTINUOUS TRG: FREE RUN EXT REF



Running ...

Date: 11.NOV.2011 03:40:51