

Antenna Port Conducted Bandedge

Limit is -13dBm and is further reduced by $10 \cdot \log(4)$ per FCC KDB 662911D01 v02r01 due to 4x4 MIMO operation, which brings it down to -19.03dBm.

Tests performed at Port 5 on lowest and highest channels for all modulations and channel bandwidth modes.

	LTE - QPSK		LTE - 16QAM		LTE - 64QAM	
	Low	High	Low	High	Low	High
1.4M	-22.73dBm	-22.33dBm	-20.19dBm	-22.82dBm	-23.13dBm	-24.08dBm
3M	-25.30dBm*	-24.43dBm*	-24.06dBm*	-24.38dBm*	-24.13dBm*	-23.95dBm
3M±1	-28.06dBm	-28.67dBm	-28.72dBm	-28.93dBm	-28.29dBm	-28.91dBm
5M	-24.81dBm*	-24.66dBm*	-24.76dBm*	-24.54dBm*	-23.90dBm*	-23.53dBm*
5M±1	-26.82dBm	-25.97dBm	-27.60dBm	-26.93dBm	-27.62dBm	-25.36dBm
10M	-24.65dBm*	-23.64dBm*	-24.00dBm*	-24.11dBm*	-24.15dBm*	-24.34dBm*
10M±1	-26.23dBm	-24.11dBm	-26.84dBm	-25.90dBm	-26.59dBm	-26.26dBm
15M	-24.80dBm*	-24.21dBm*	-24.57dBm*	-25.43dBm*	-24.57dBm*	-23.49dBm*
15M±1	-23.73dBm	-22.73dBm	-22.58dBm	-23.48dBm	-23.92dBm	-23.18dBm
20M	-24.16dBm*	-24.86dBm*	-24.59dBm*	-24.27dBm*	-24.23dBm*	-24.07dBm*
20M±1	-23.96dBm	-24.31dBm	-23.68dBm	-24.12dBm	-23.01dBm	-23.75dBm
1.4M Dual	-19.44dBm	-23.89dBm*	-24.84dBm	-23.34dBm*	-23.62dBm	-22.54dBm*
1.4M Dual±1	N/A	-28.72dBm	N/A	-28.58dBm	N/A	-28.41dBm

Note * = Power Reduced to 60Watts

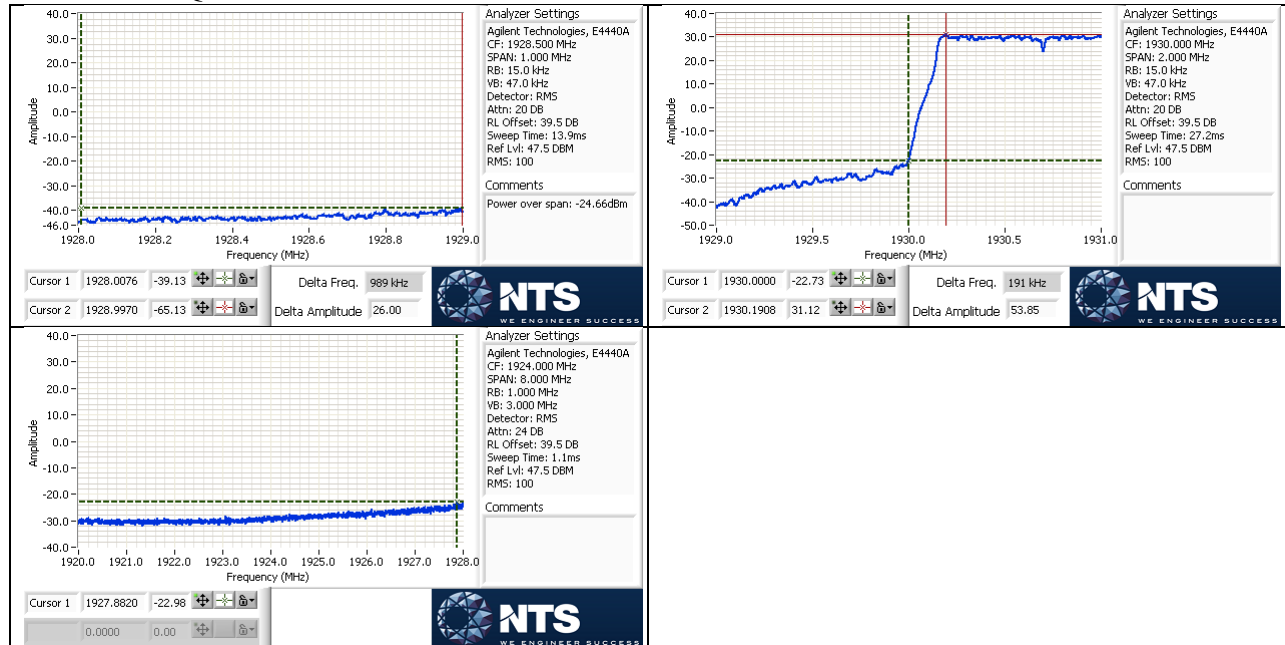
Measurements were performed in RMS average mode with 1MHz RBW and 3MHz VBW over 100 traces. In 1MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 1% of the emission bandwidth has been used.

In some bandwidths the power had to be reduced to 60 watts at the bandedge channel in order to meet the requirement. In such cases the channel was moved in a 100kHz steps towards the center channel at full power until the requirement was met.

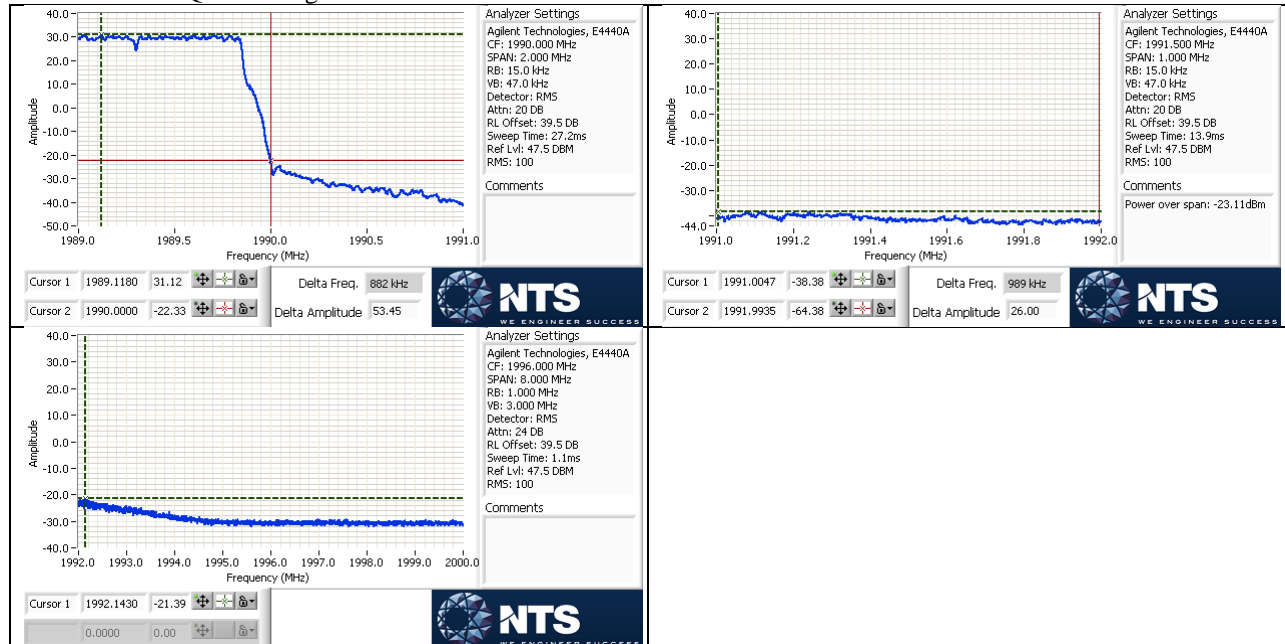
Total path loss of 39.7dB accounted in via reference level offset to the spectrum analyzer.

All corresponding plots are included on the following pages.

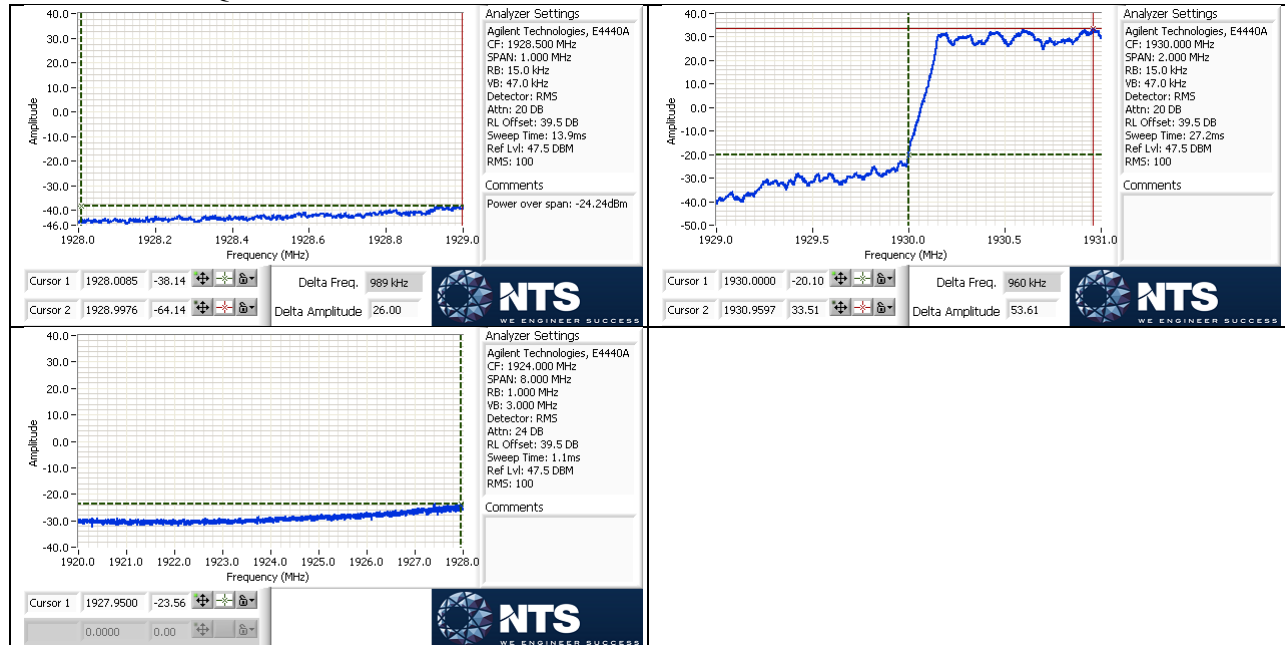
LTE – 1.4M – QPSK – Low



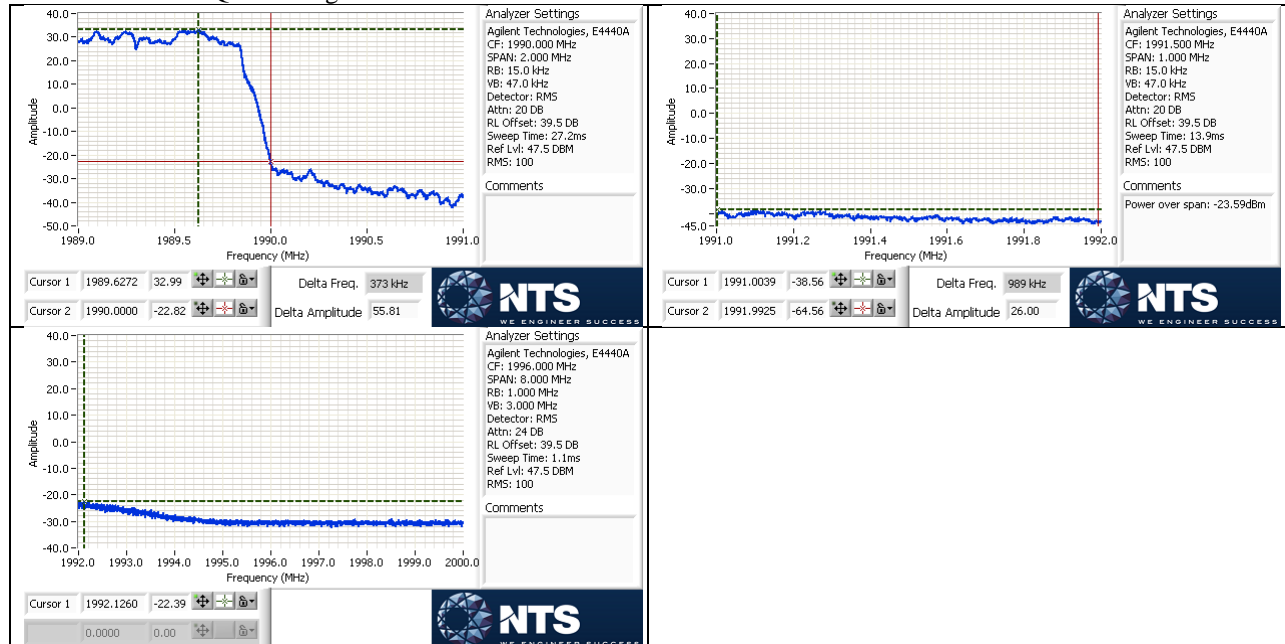
LTE – 1.4M – QPSK – High



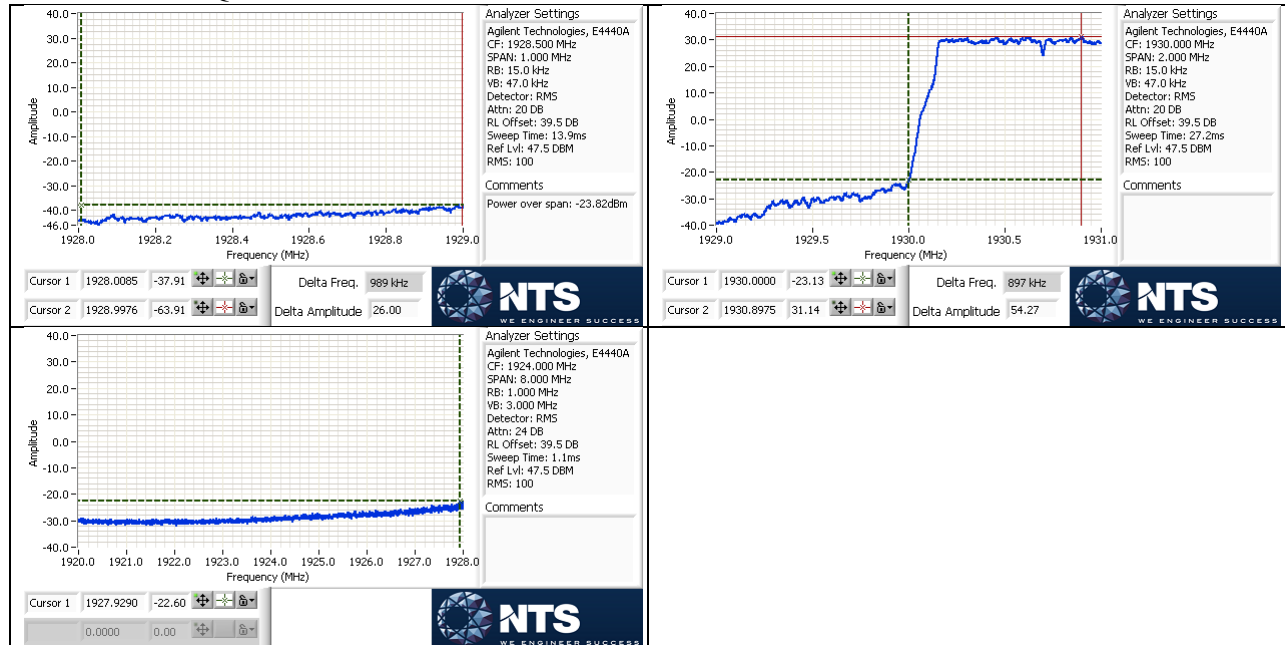
LTE – 1.4M – 16QAM – Low



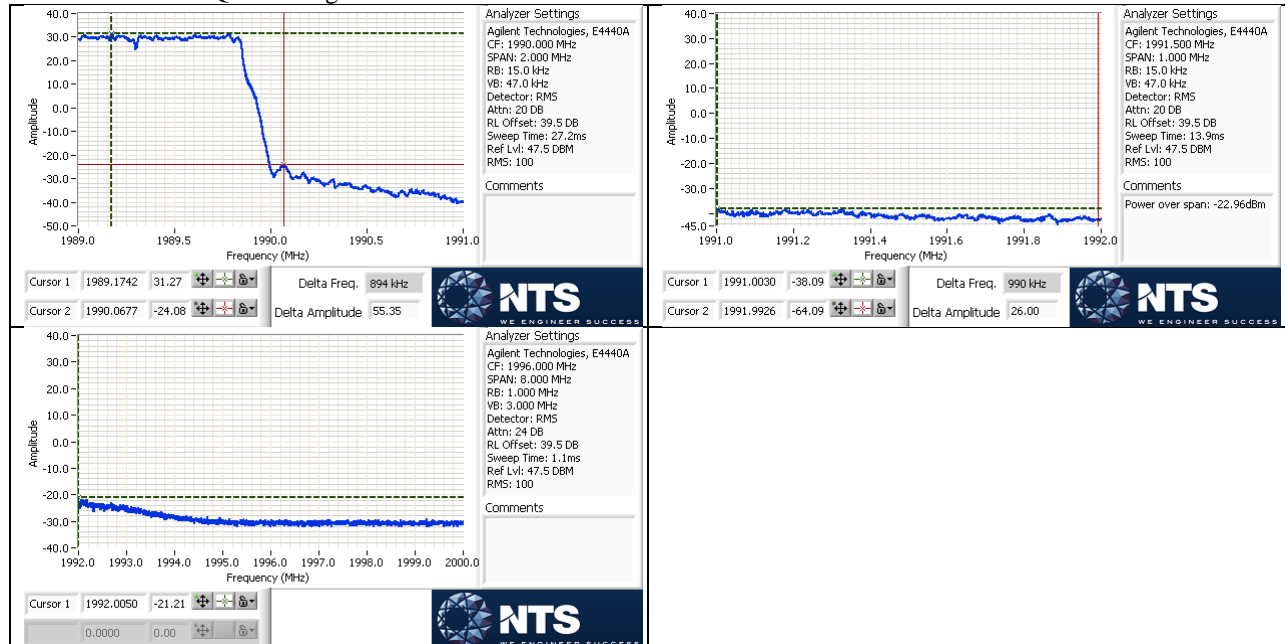
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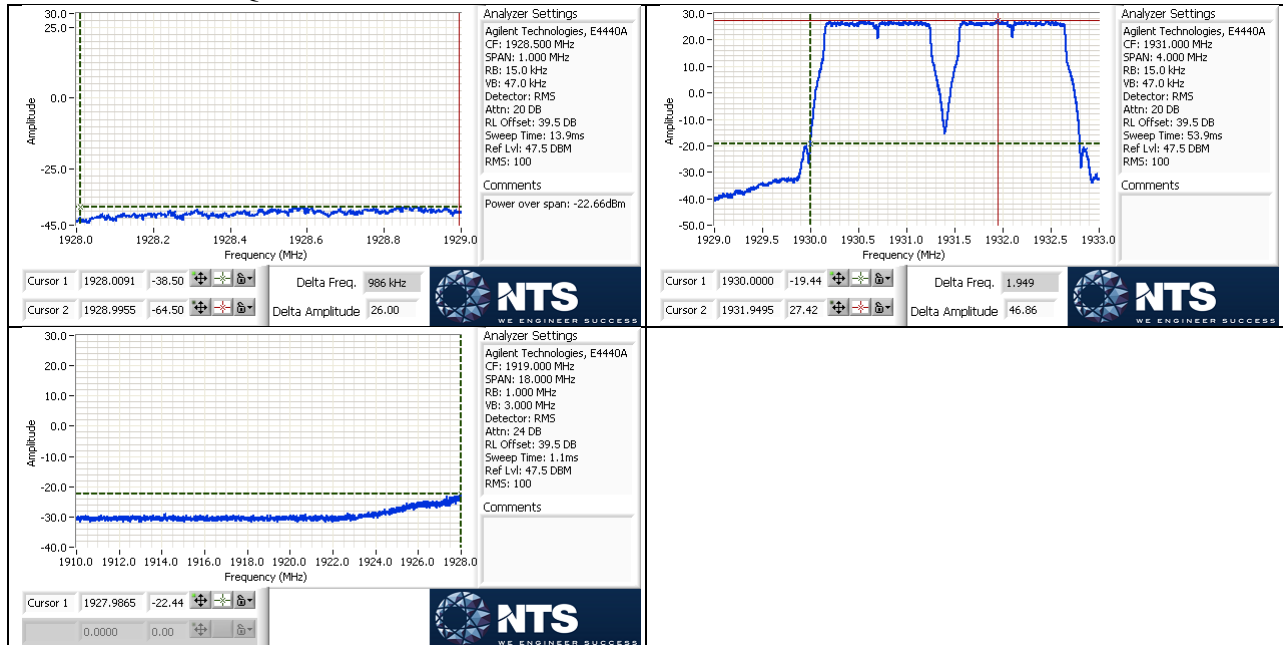
LTE – 1.4M – 64QAM – Low



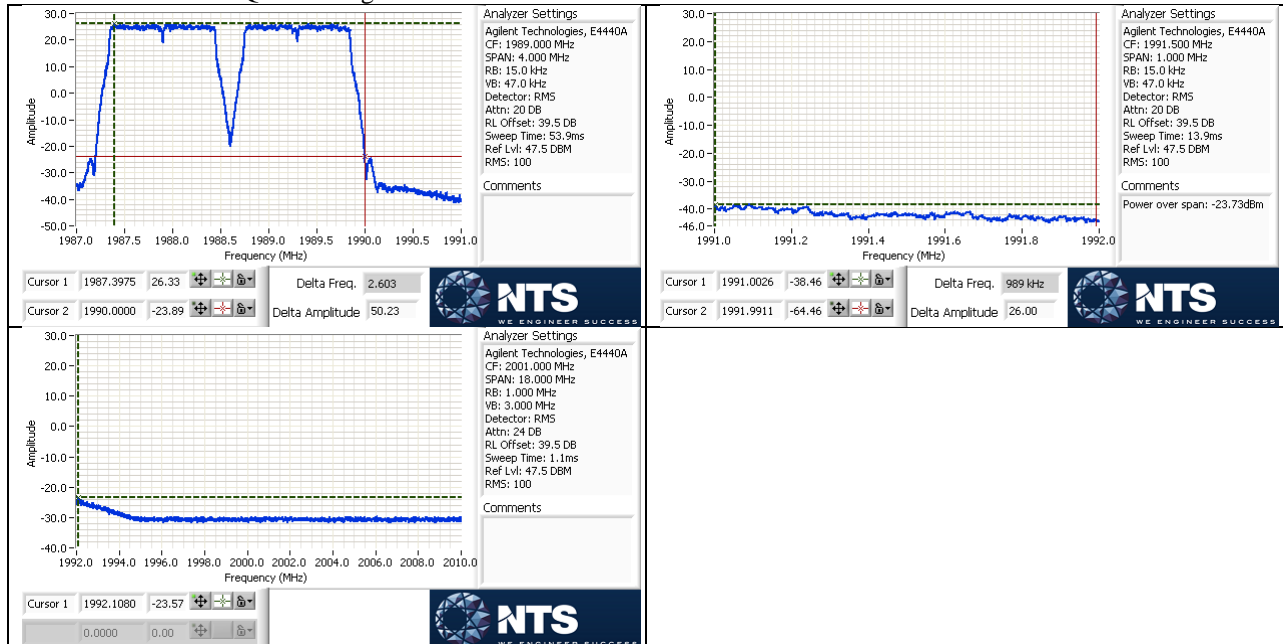
LTE – 1.4M – 64QAM – High



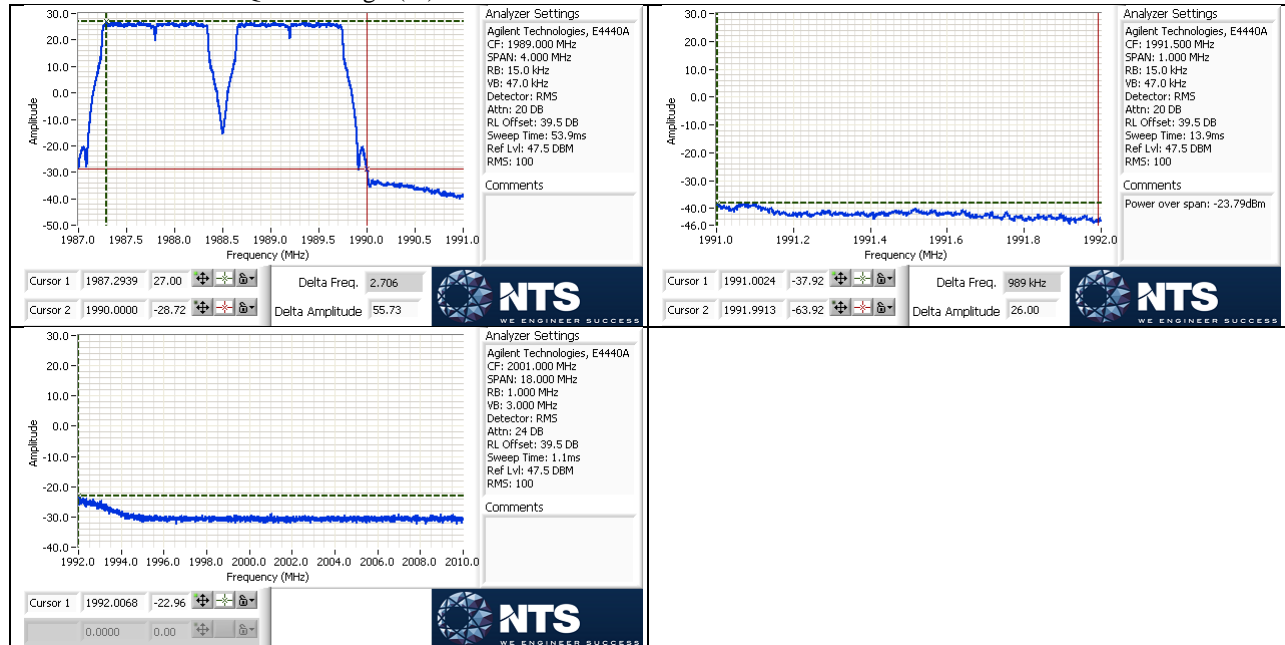
LTE – 1.4M Dual – QPSK – Low



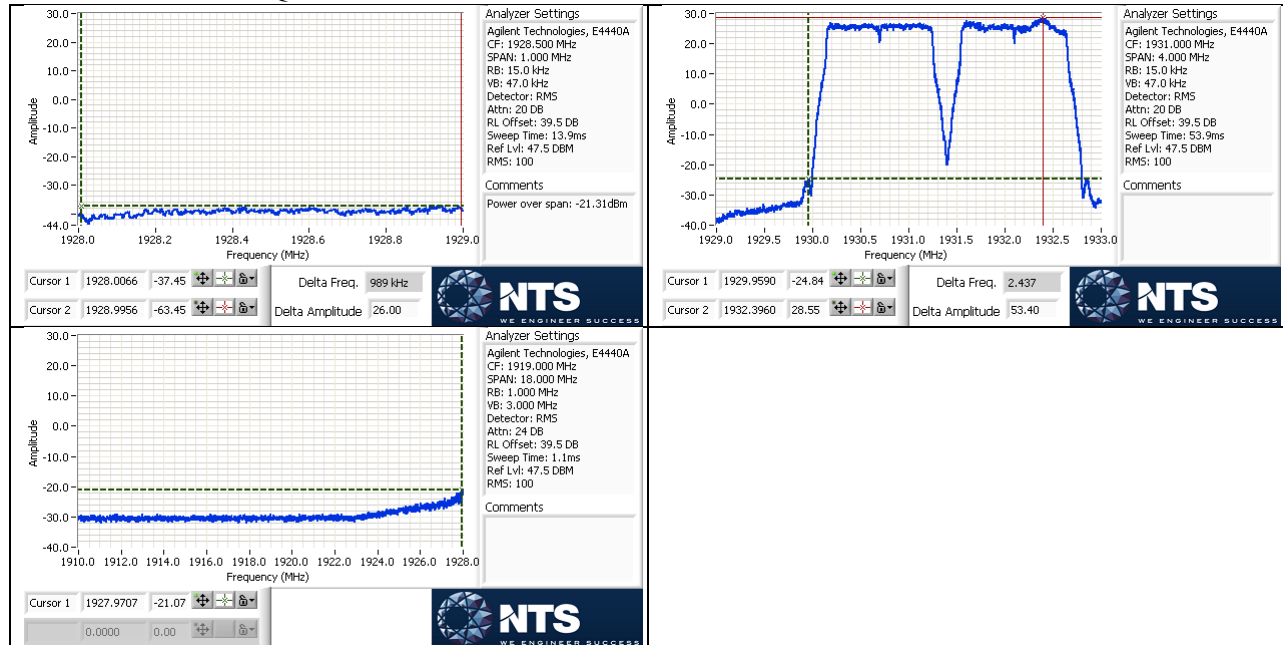
LTE – 1.4M Dual – QPSK – High



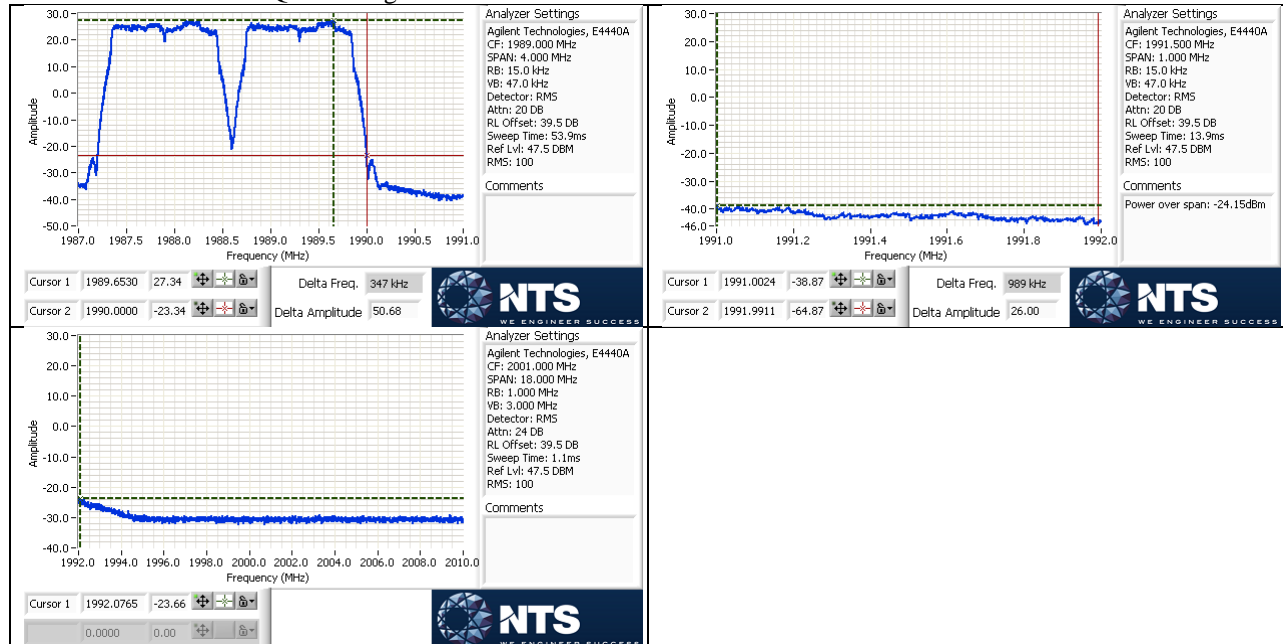
LTE – 1.4M Dual – QPSK – High (-1)



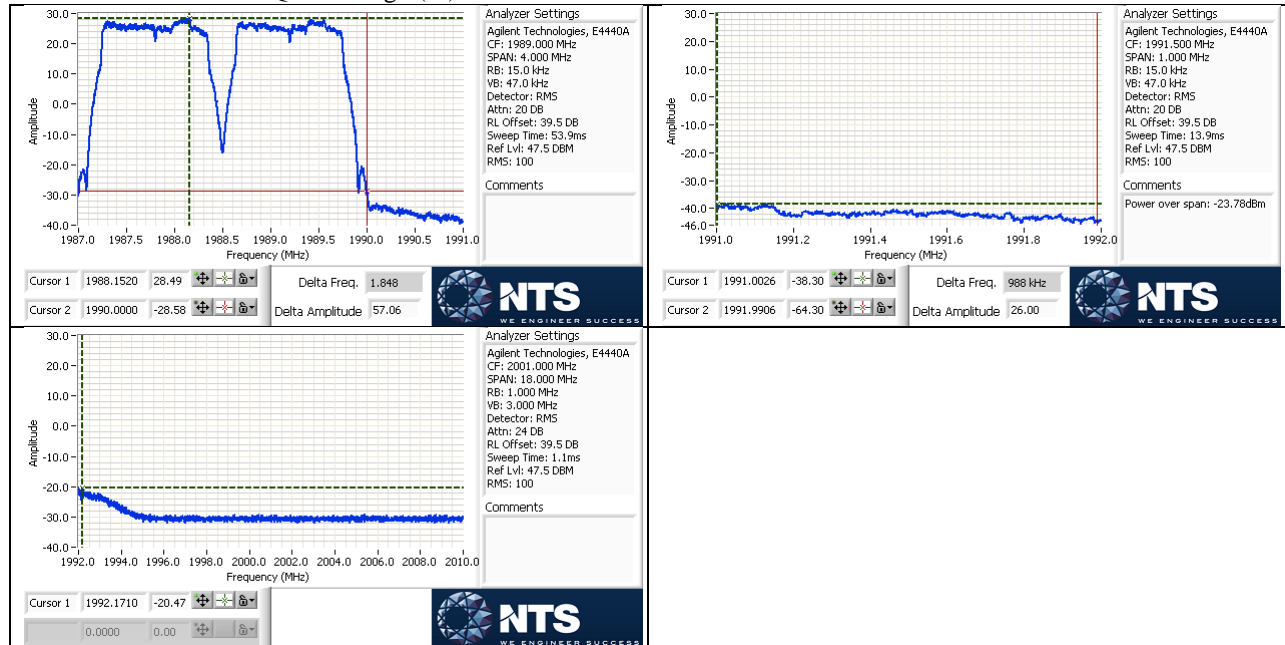
LTE – 1.4M Dual – 16QAM – Low



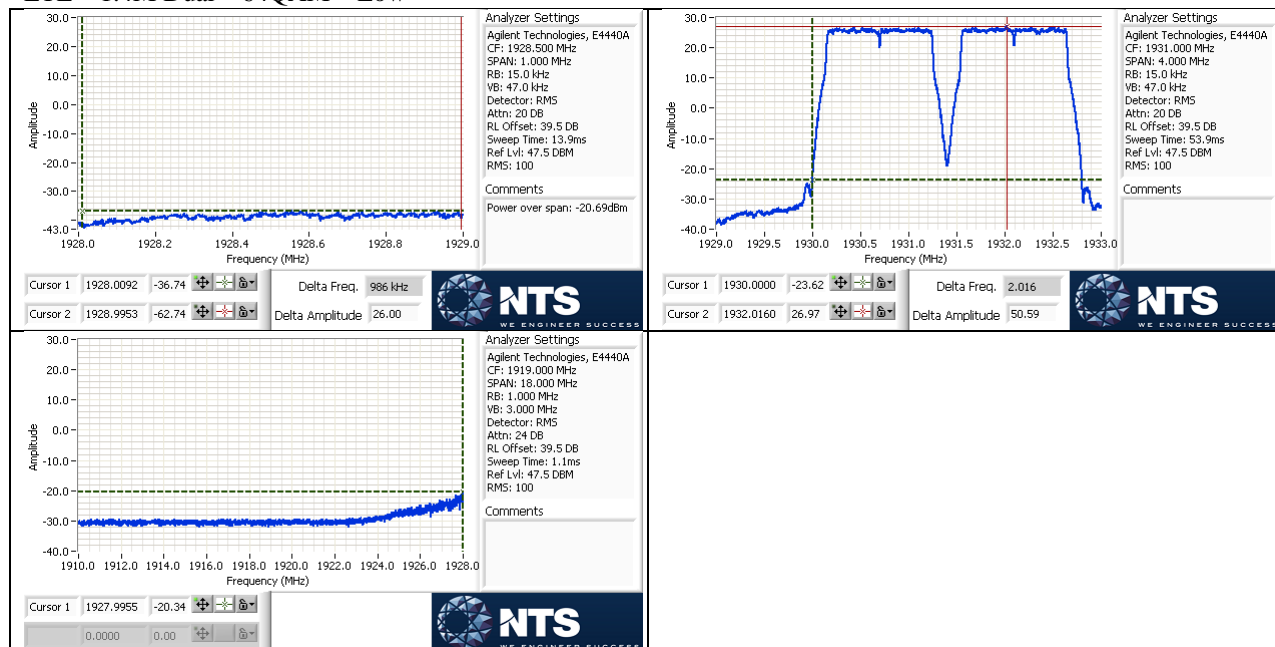
LTE – 1.4M Dual – 16QAM – High



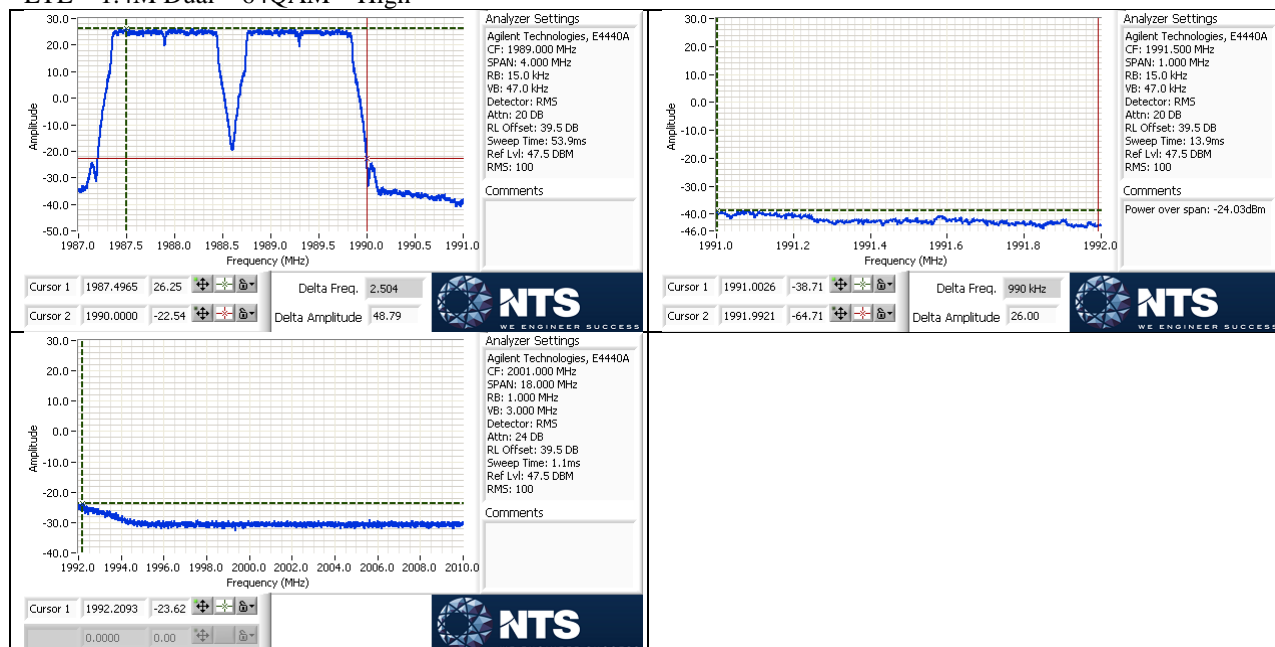
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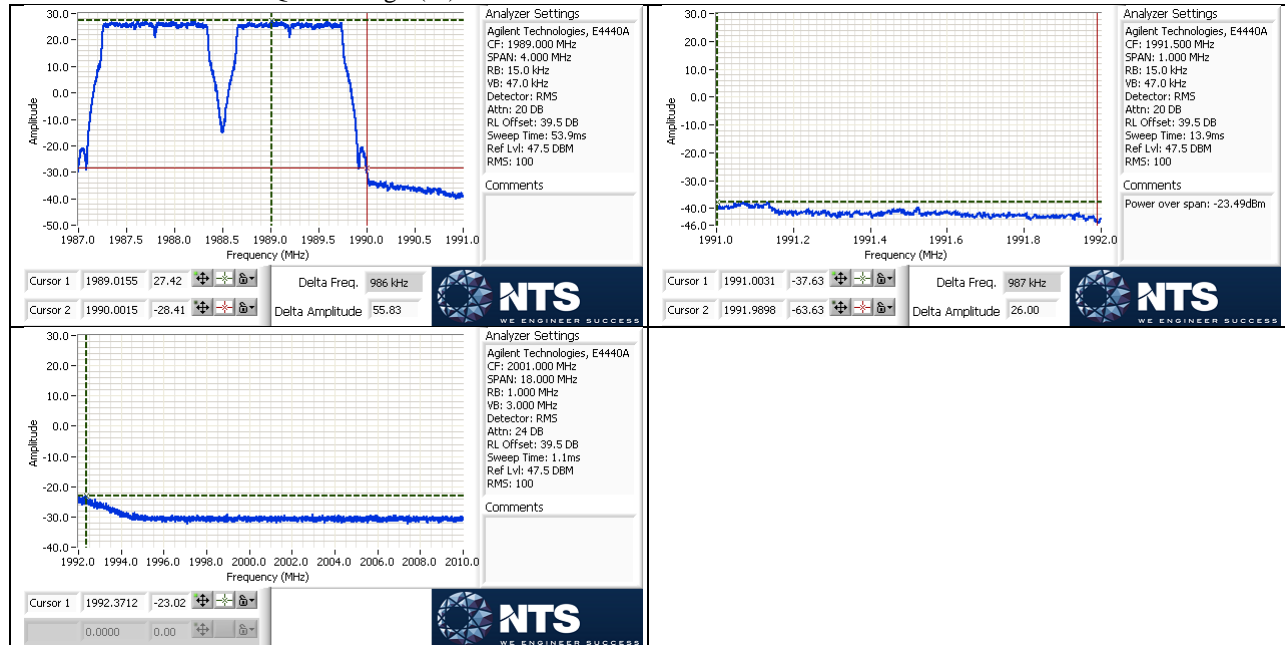
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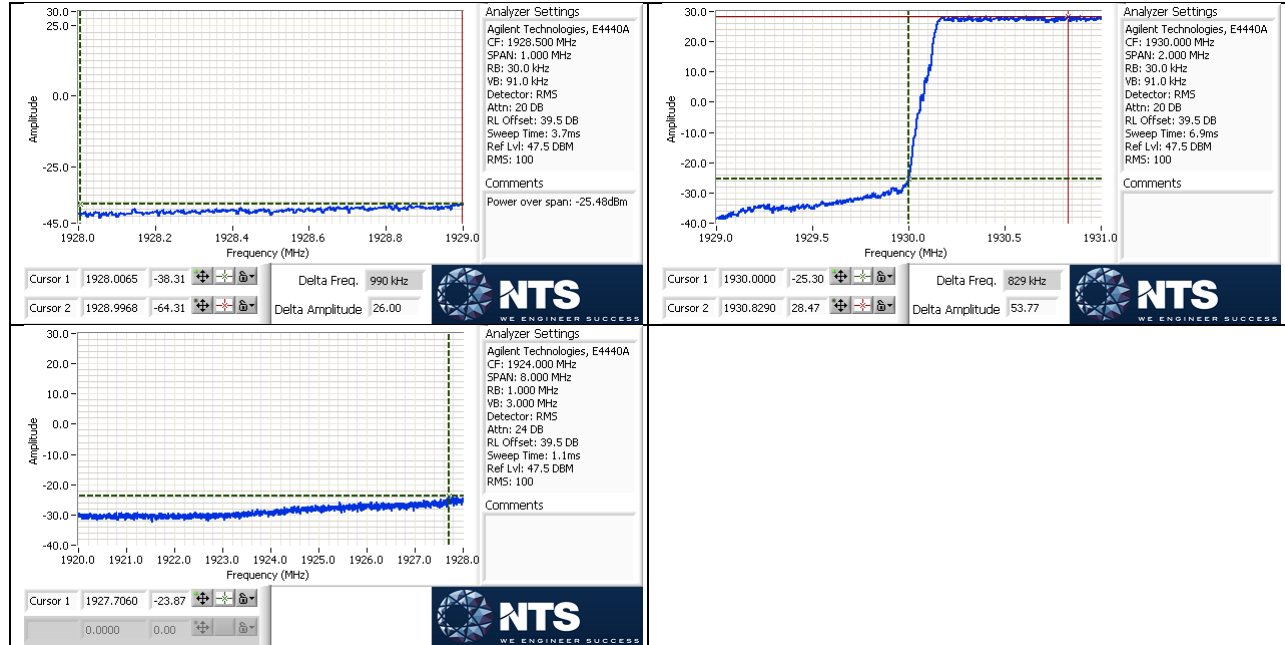
LTE – 1.4M Dual – 64QAM – High



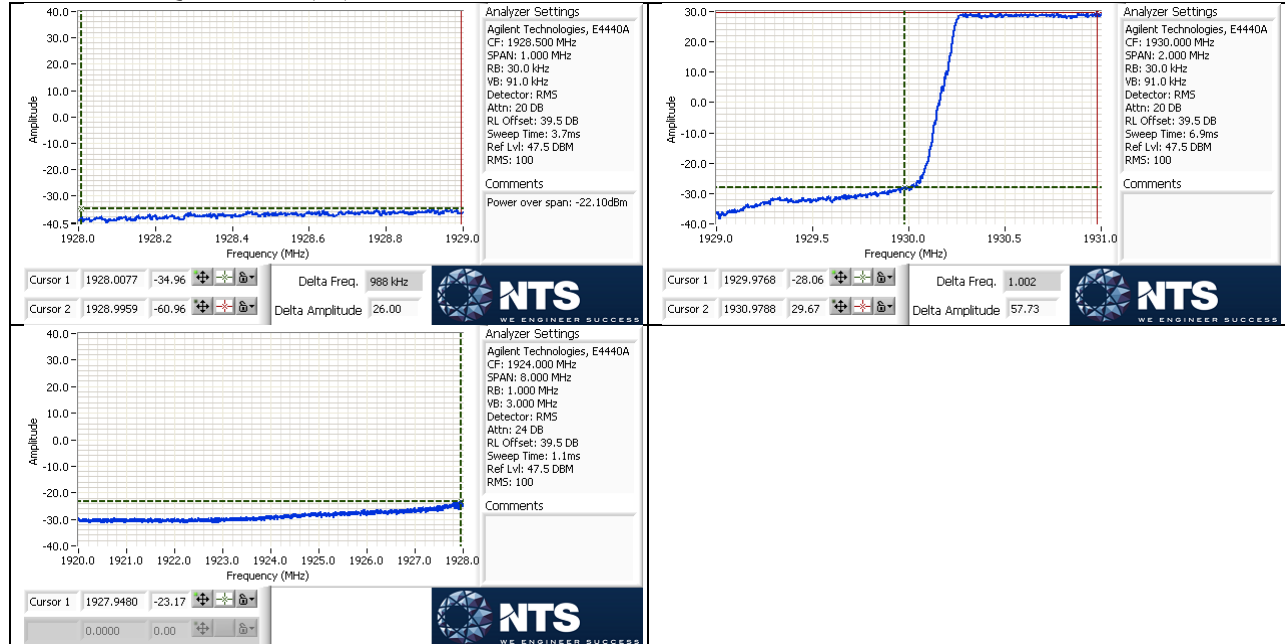
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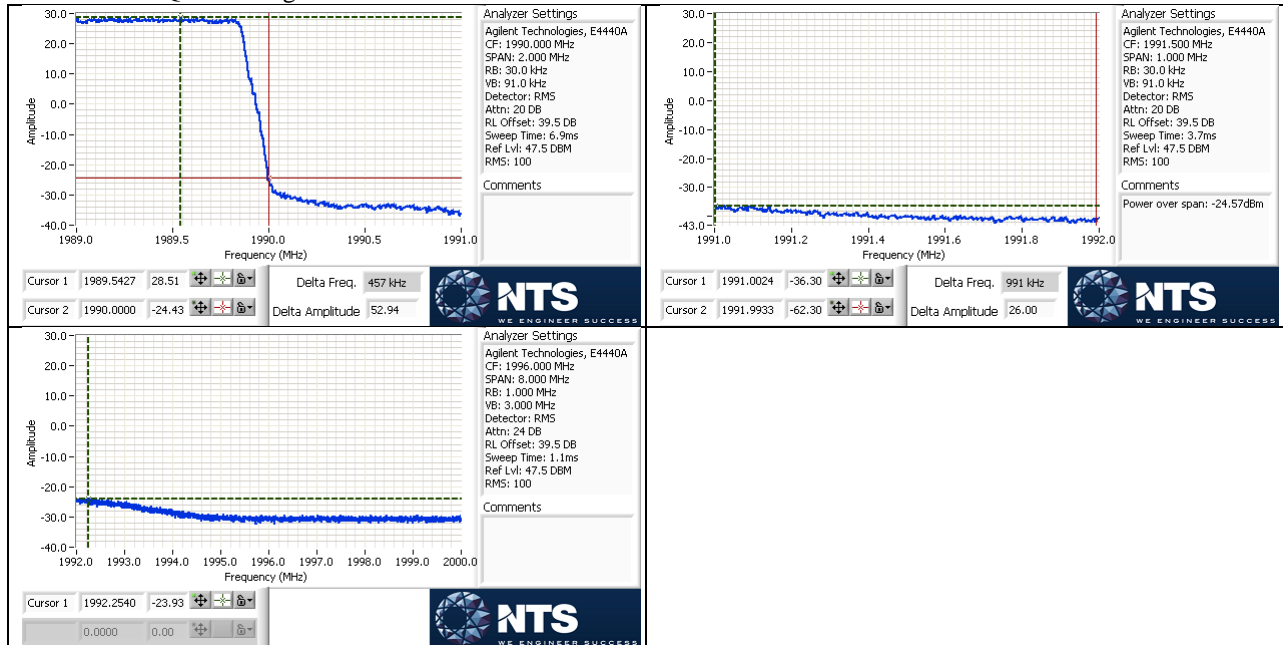
LTE – 3M – QPSK – Low



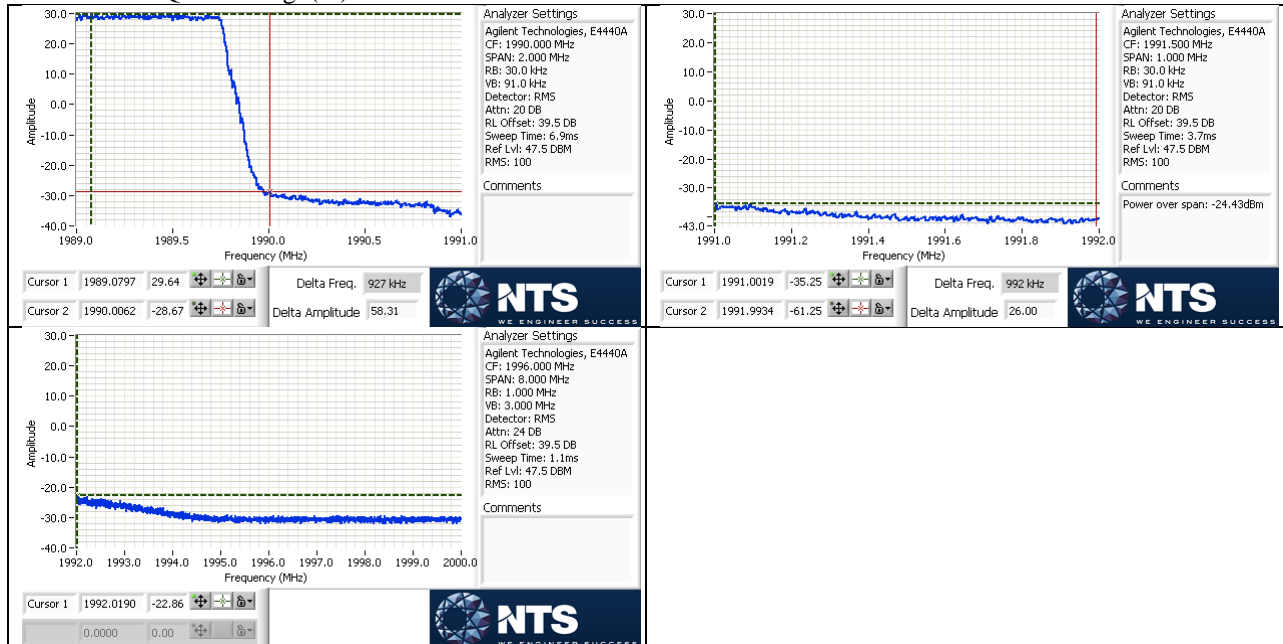
LTE – 3M – QPSK – Low(+1)



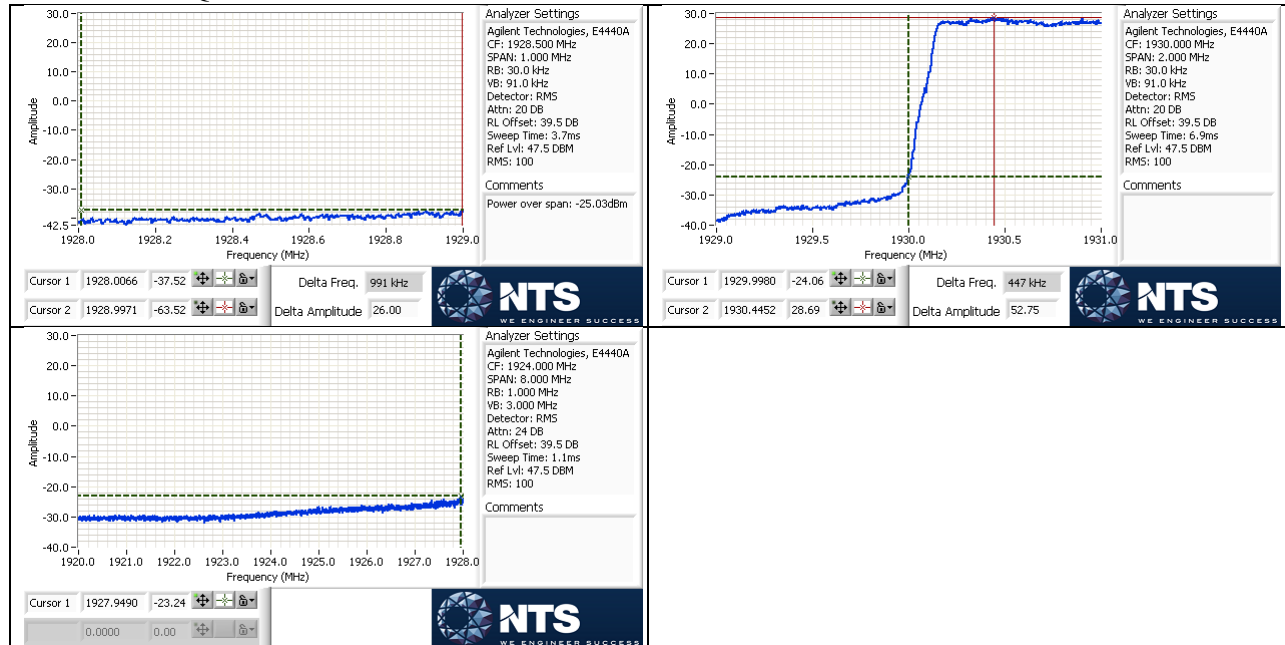
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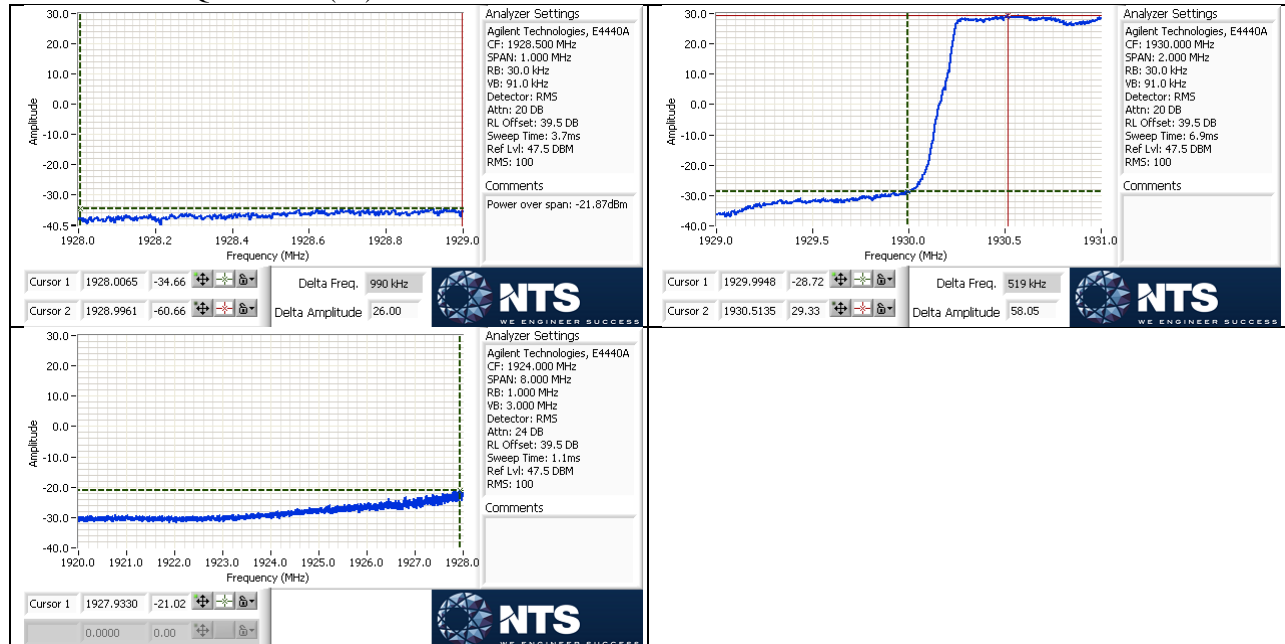
LTE – 3M – QPSK – High(-1)



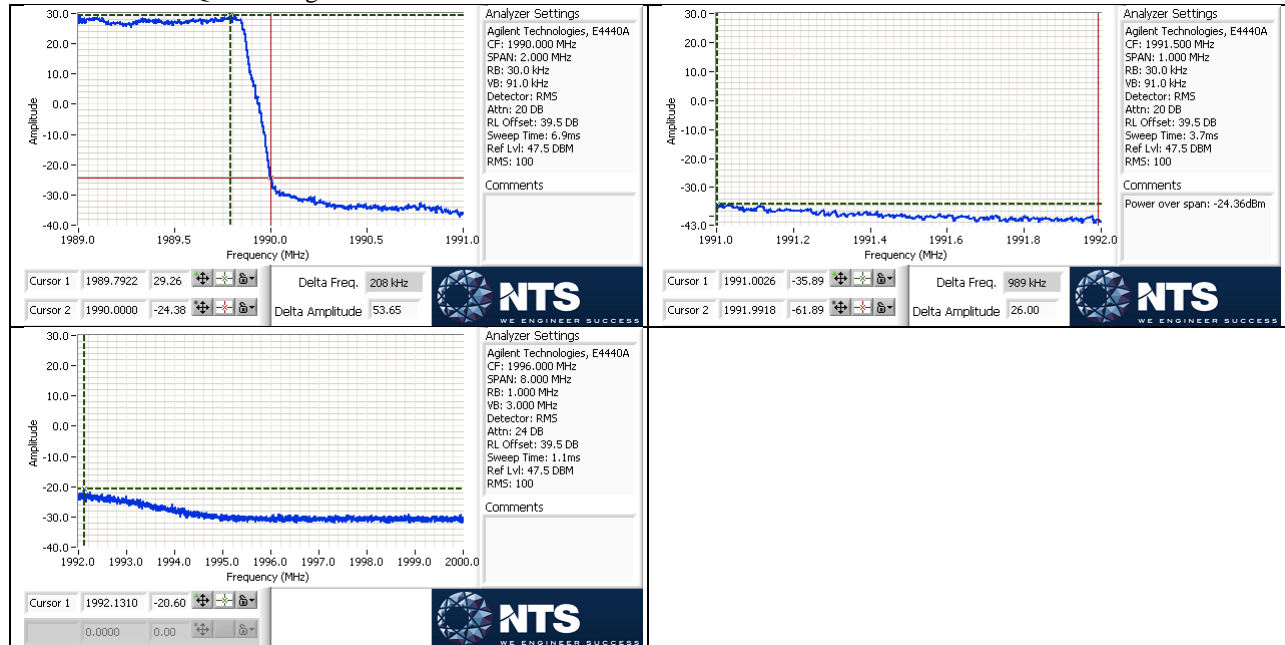
LTE – 3M – 16QAM – Low



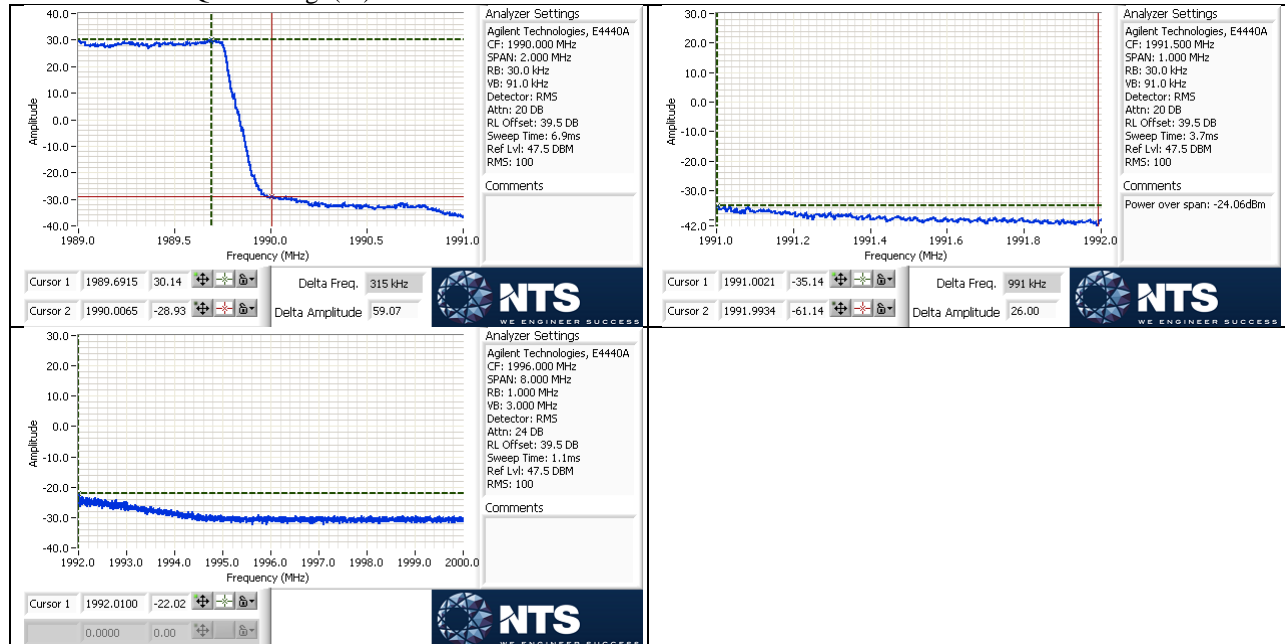
LTE – 3M – 16QAM – Low(+1)



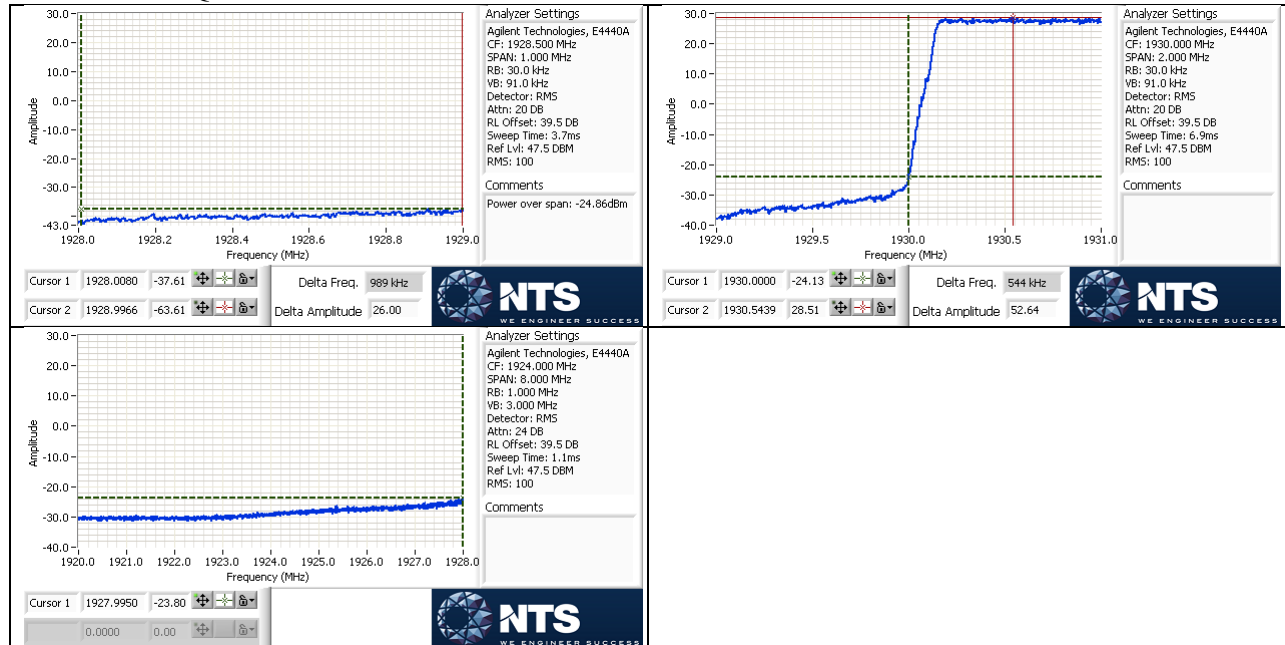
LTE – 3M – 16QAM – High



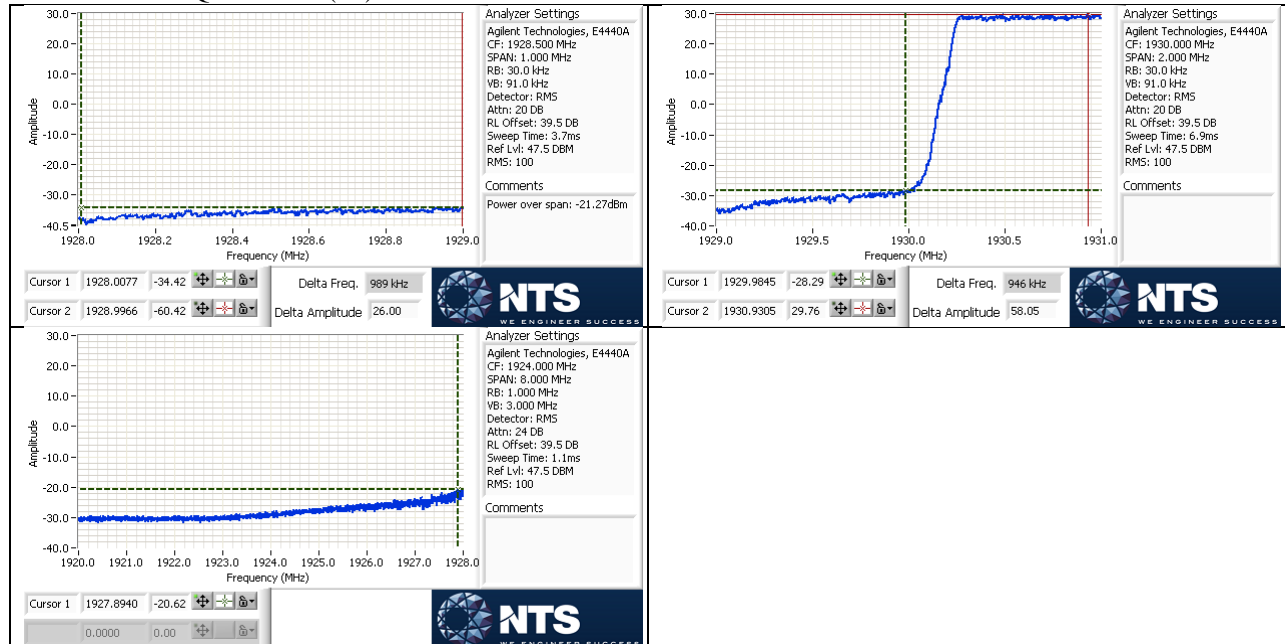
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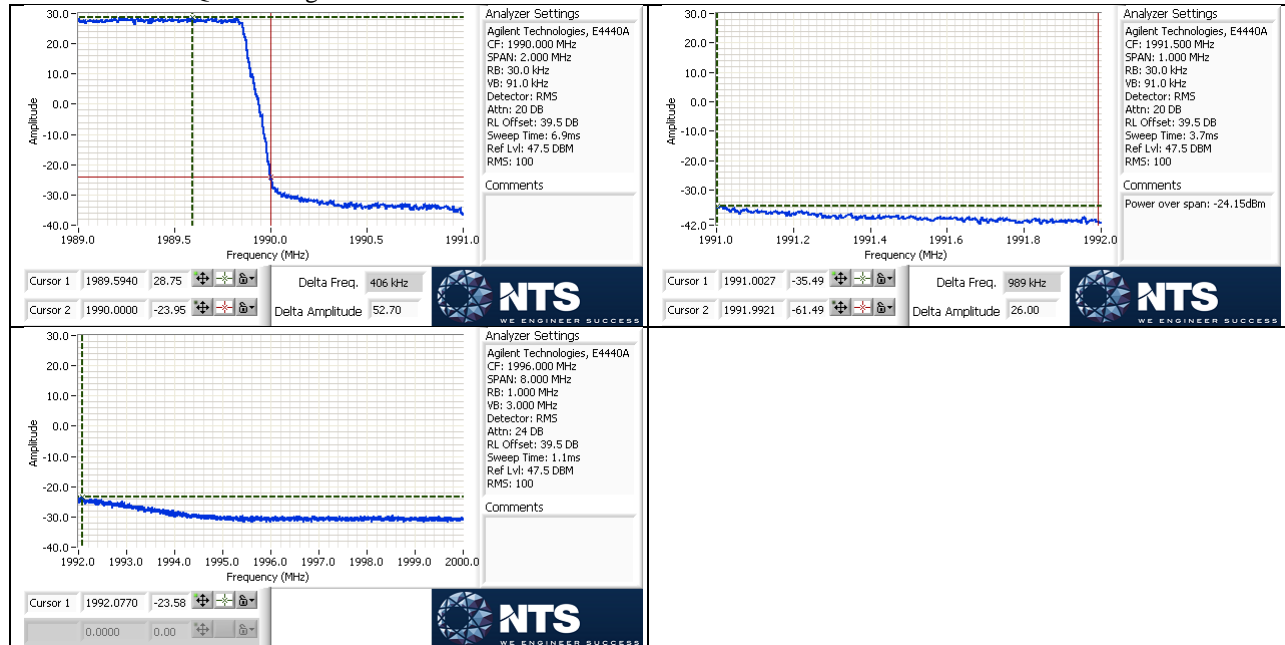
LTE – 3M – 64QAM – Low



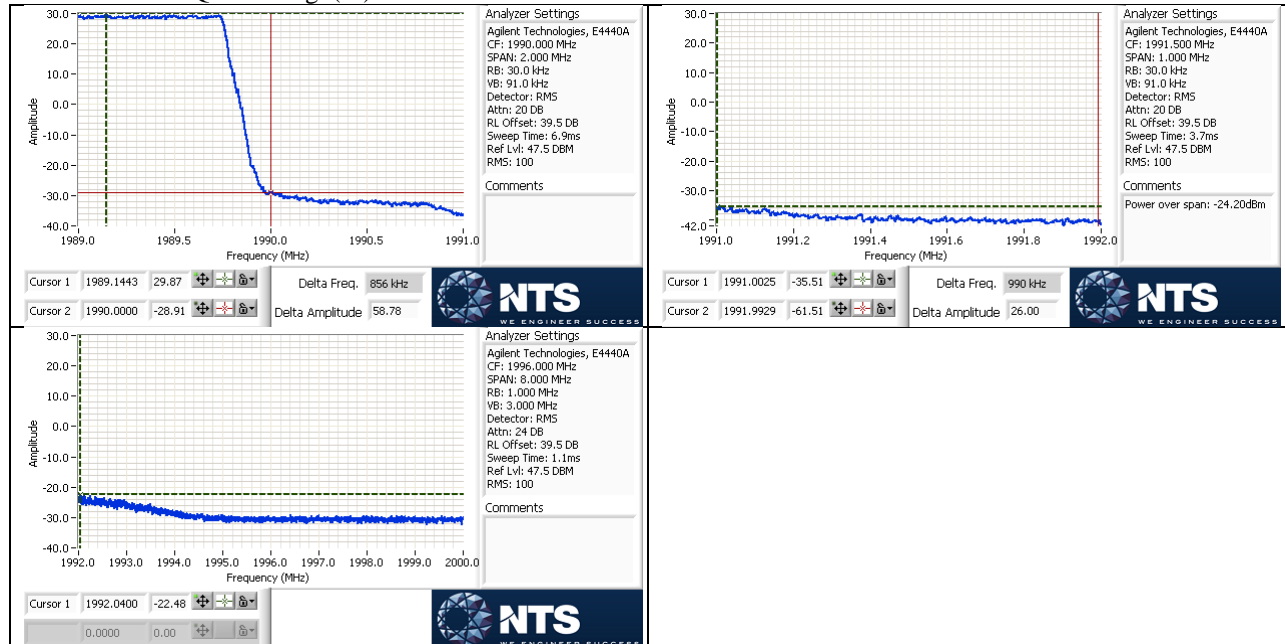
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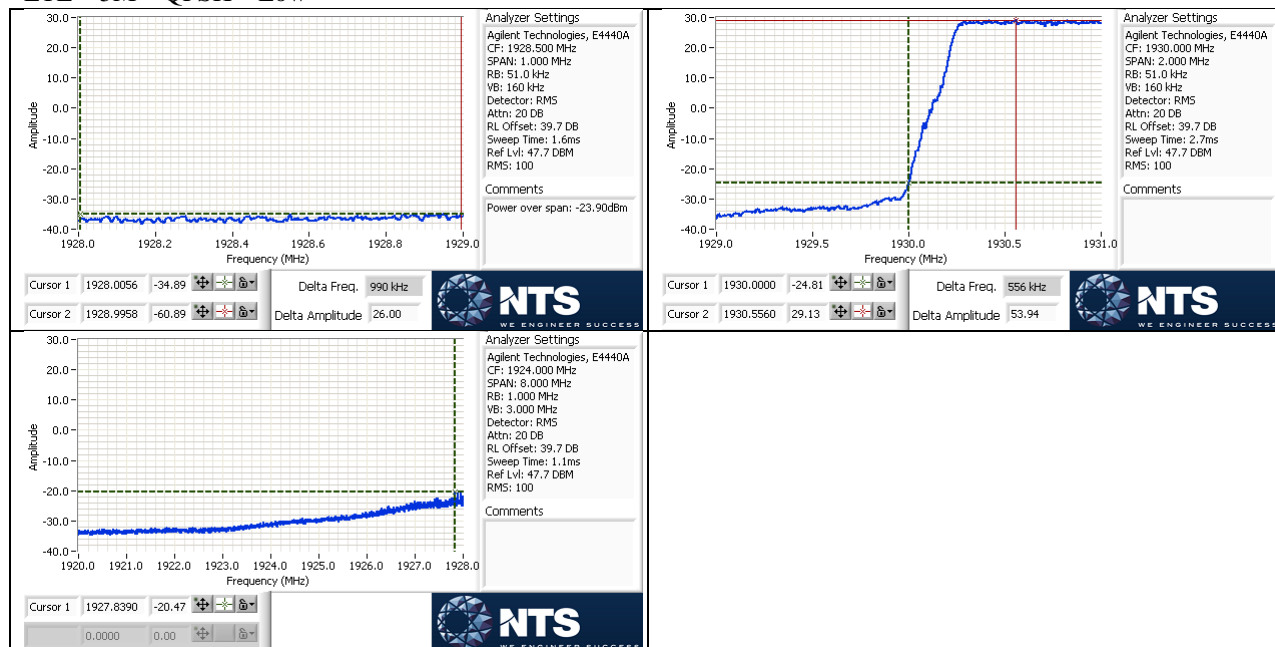
LTE – 3M – 64QAM – High



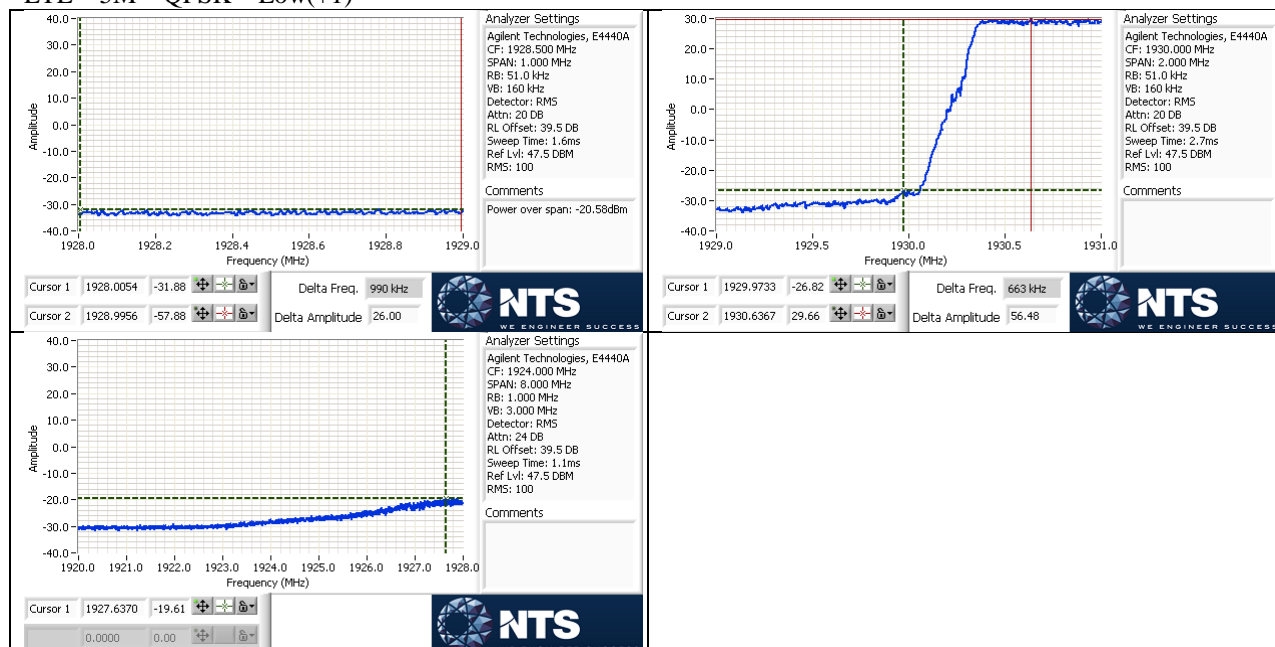
LTE – 3M – 64QAM – High(-1)



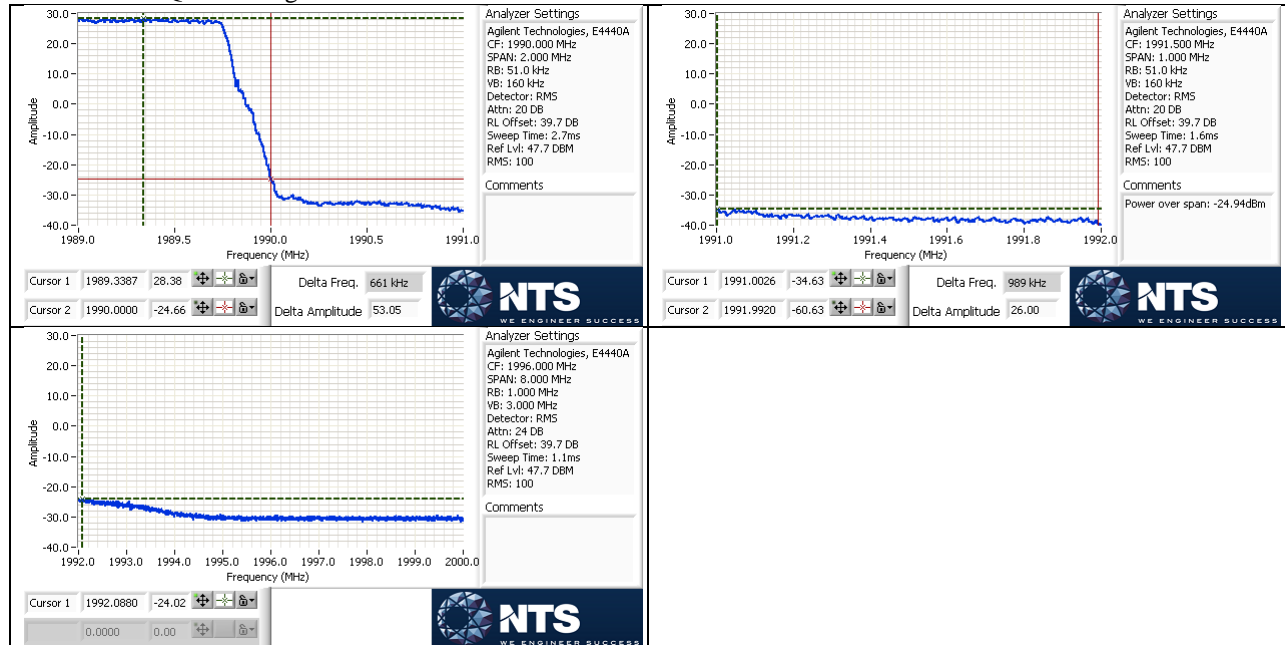
LTE – 5M – QPSK – Low



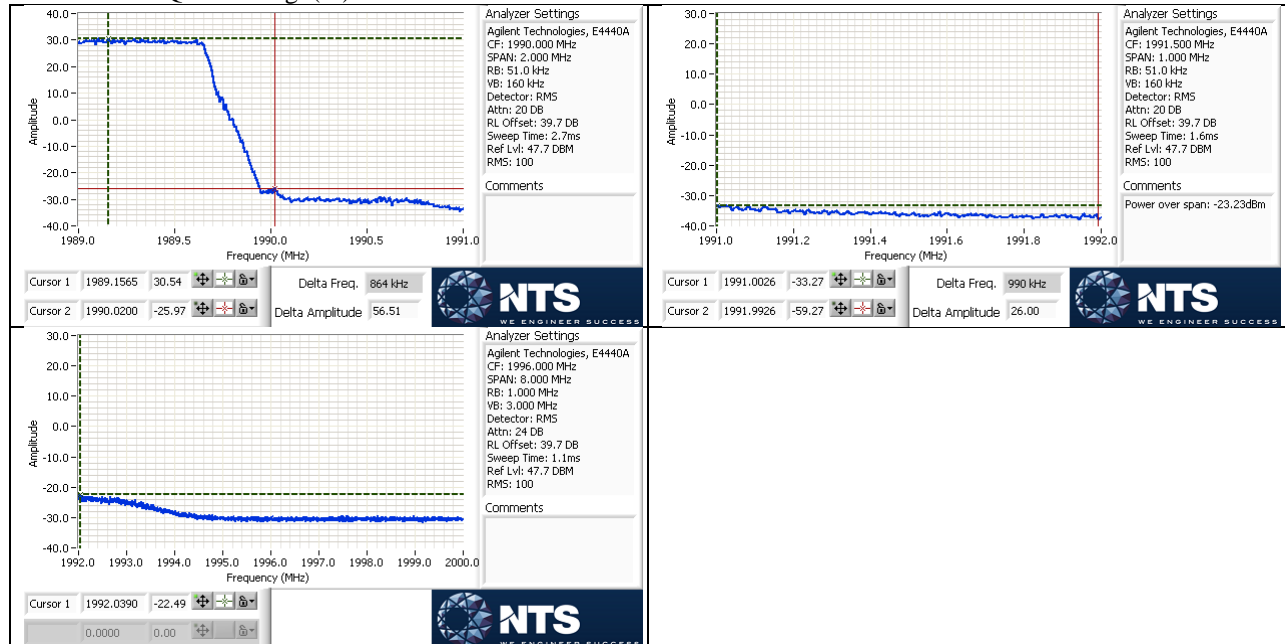
LTE – 5M – QPSK – Low(+1)



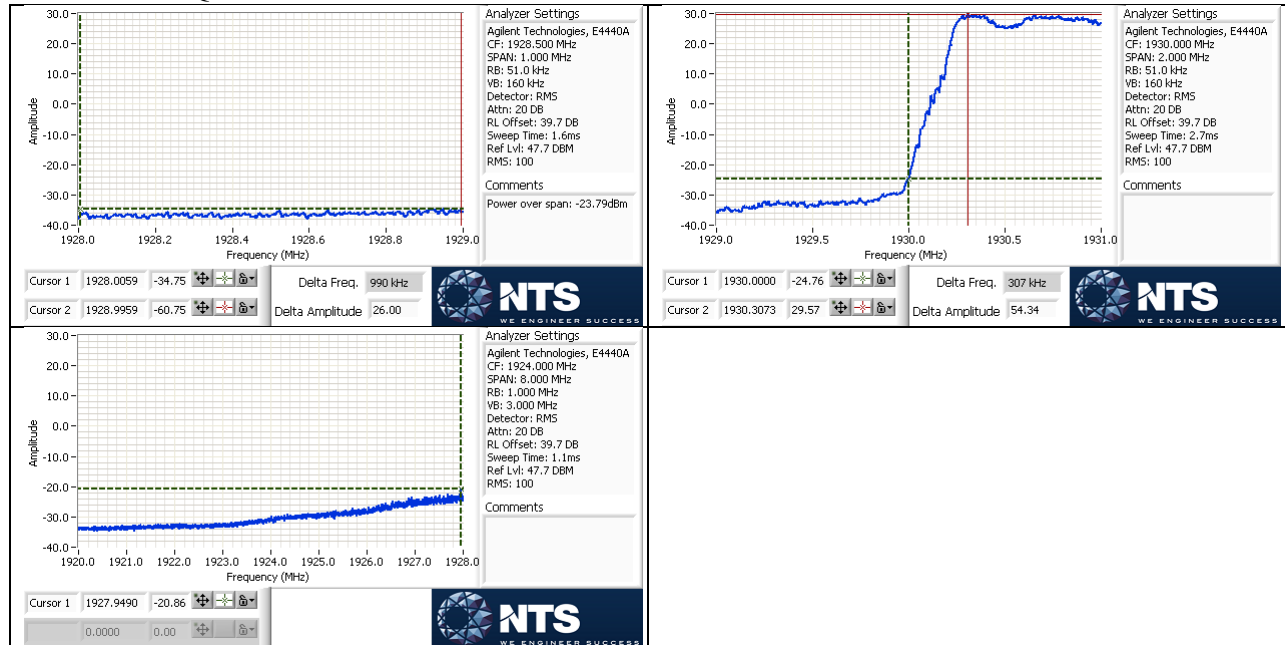
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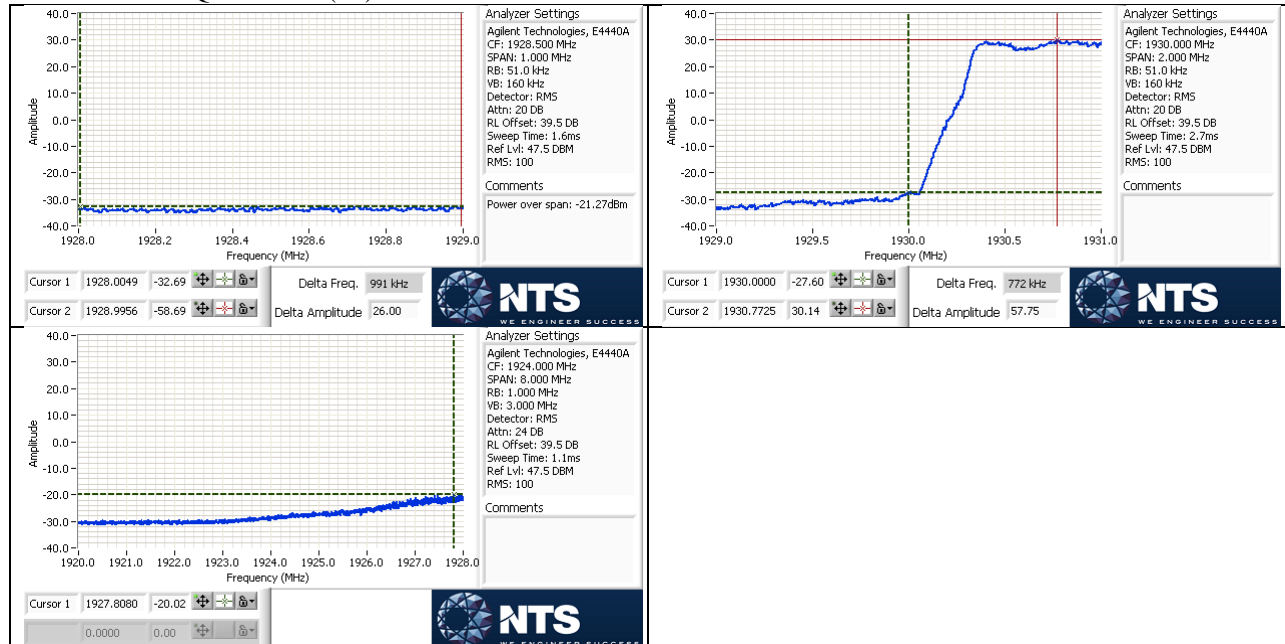
LTE – 5M – QPSK – High(-1)



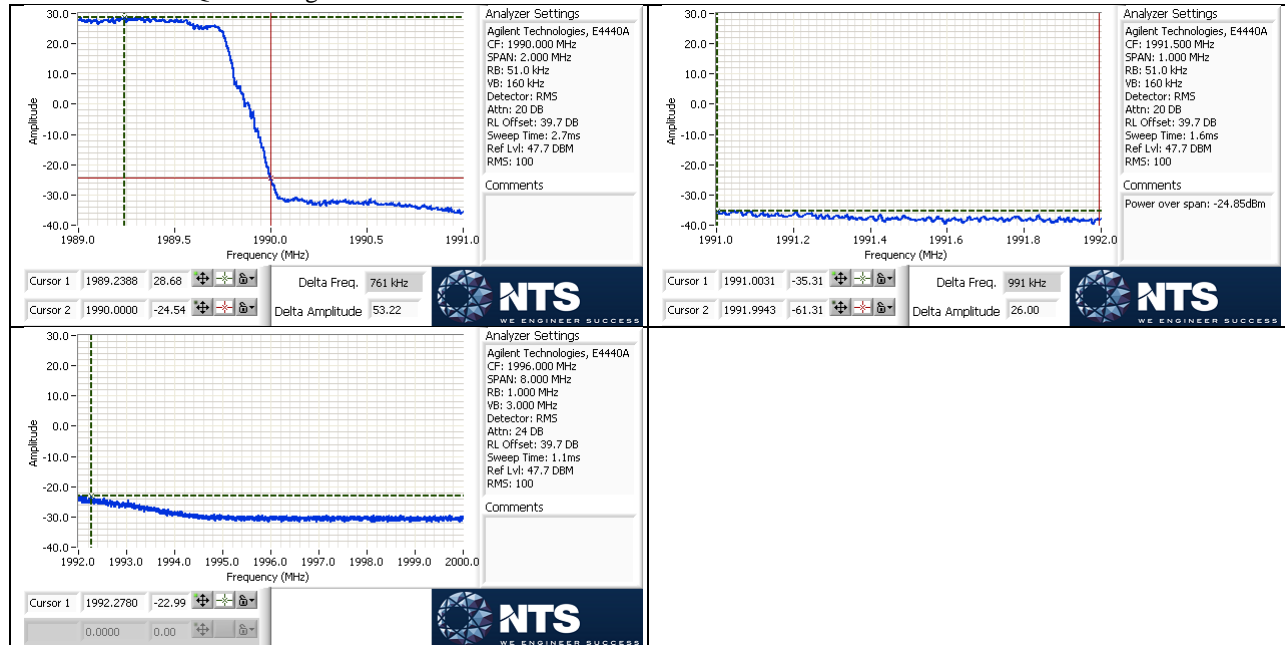
LTE – 5M – 16QAM – Low



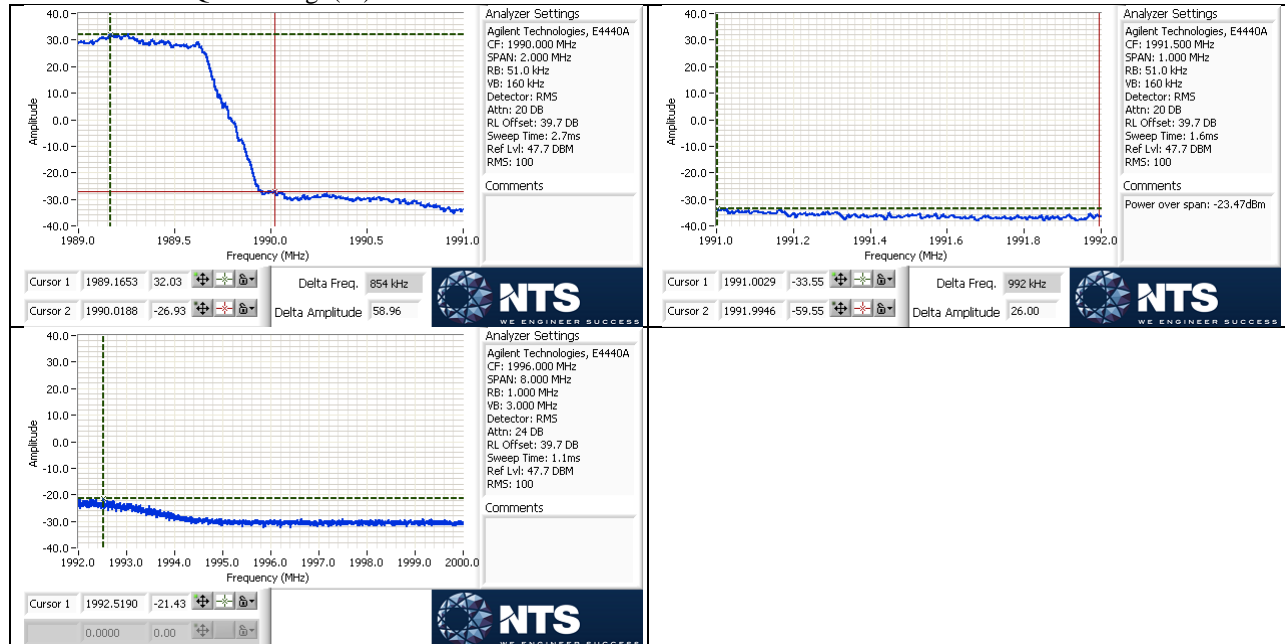
LTE – 5M – 16QAM – Low(+1)



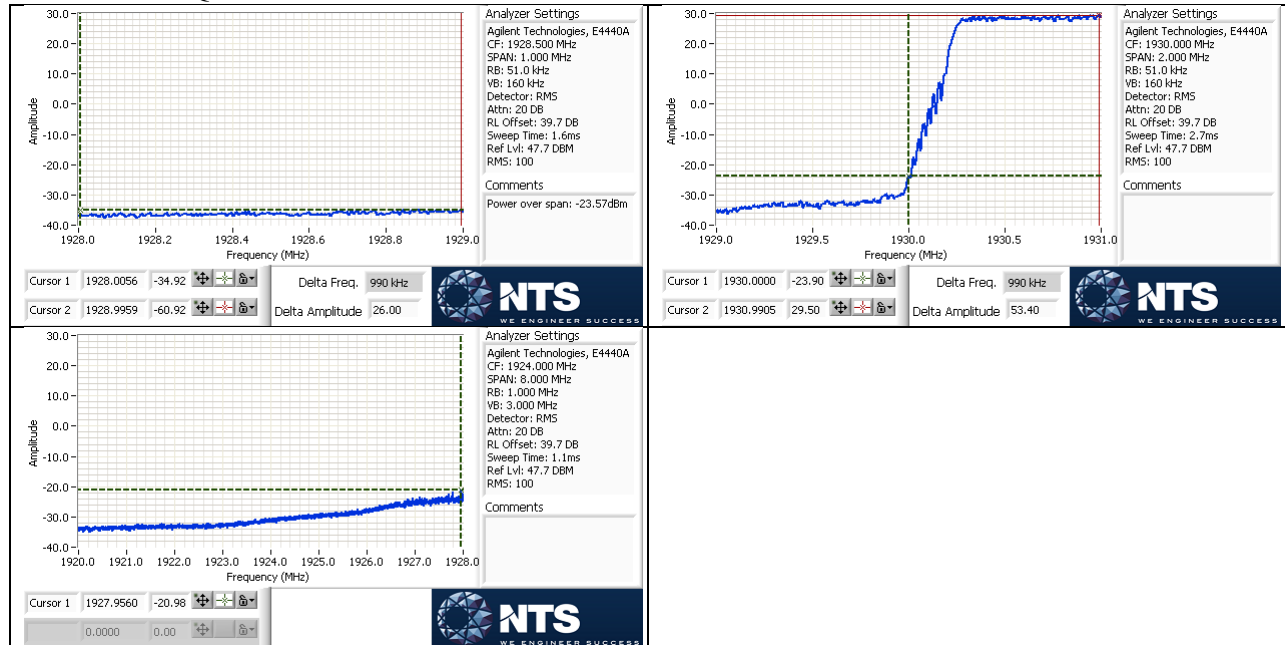
LTE – 5M – 16QAM – High



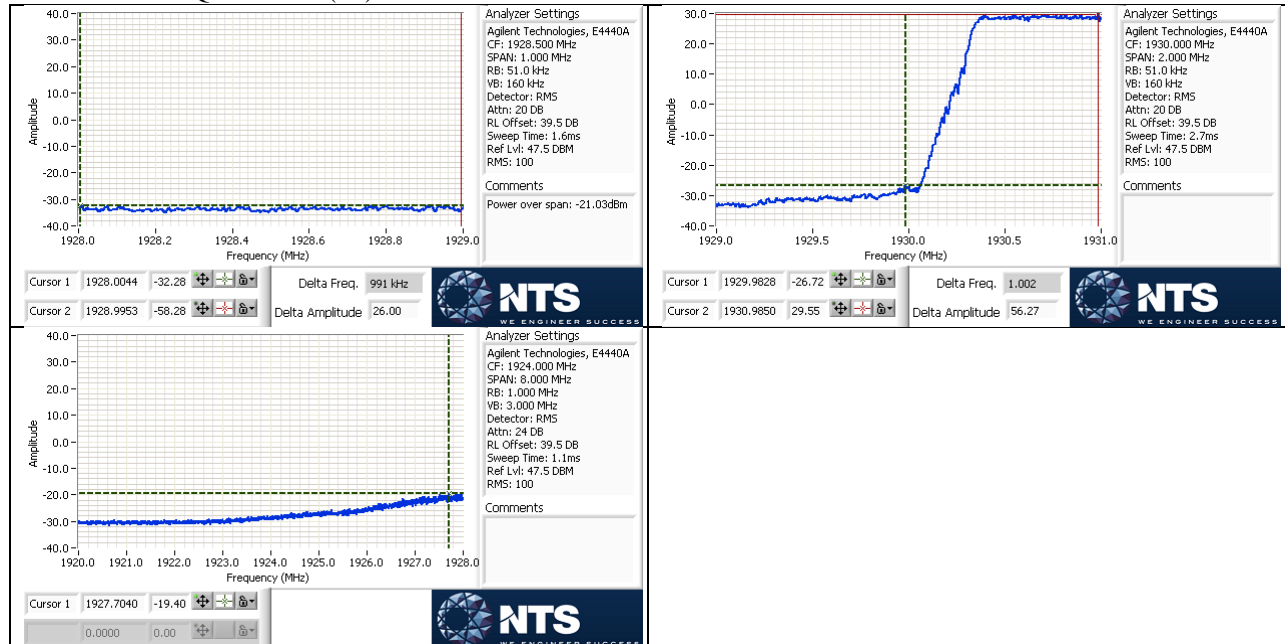
LTE – 5M – 16QAM – High(-1)



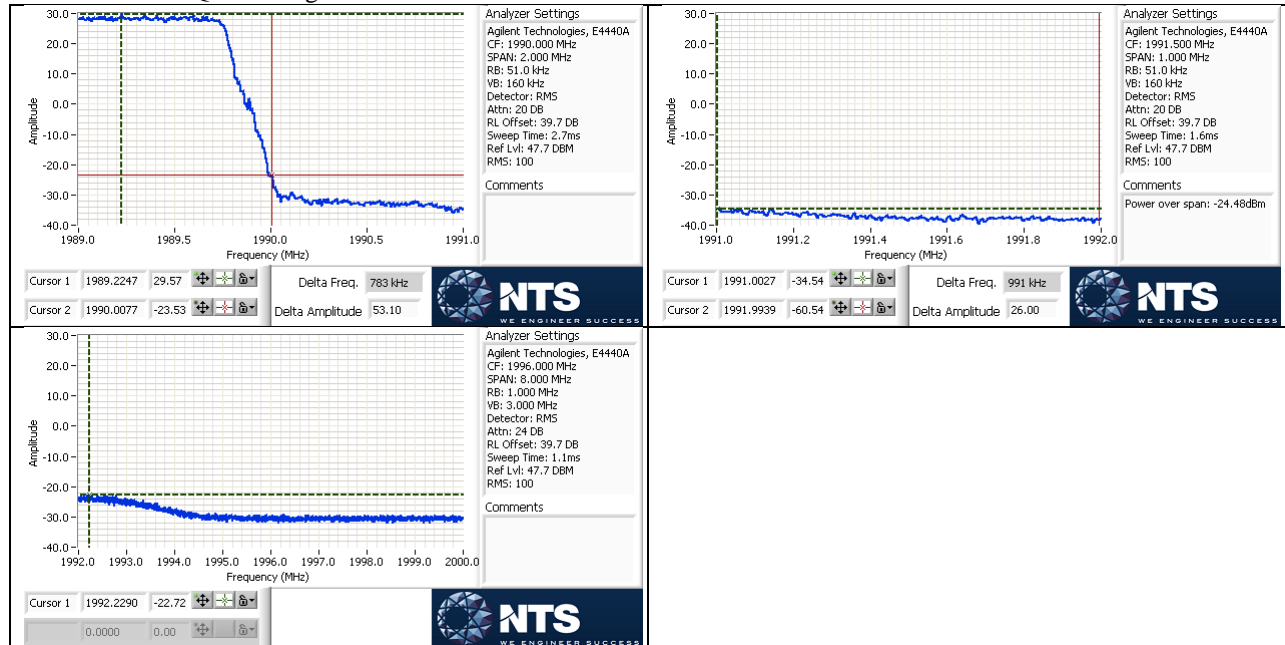
LTE – 5M – 64QAM – Low



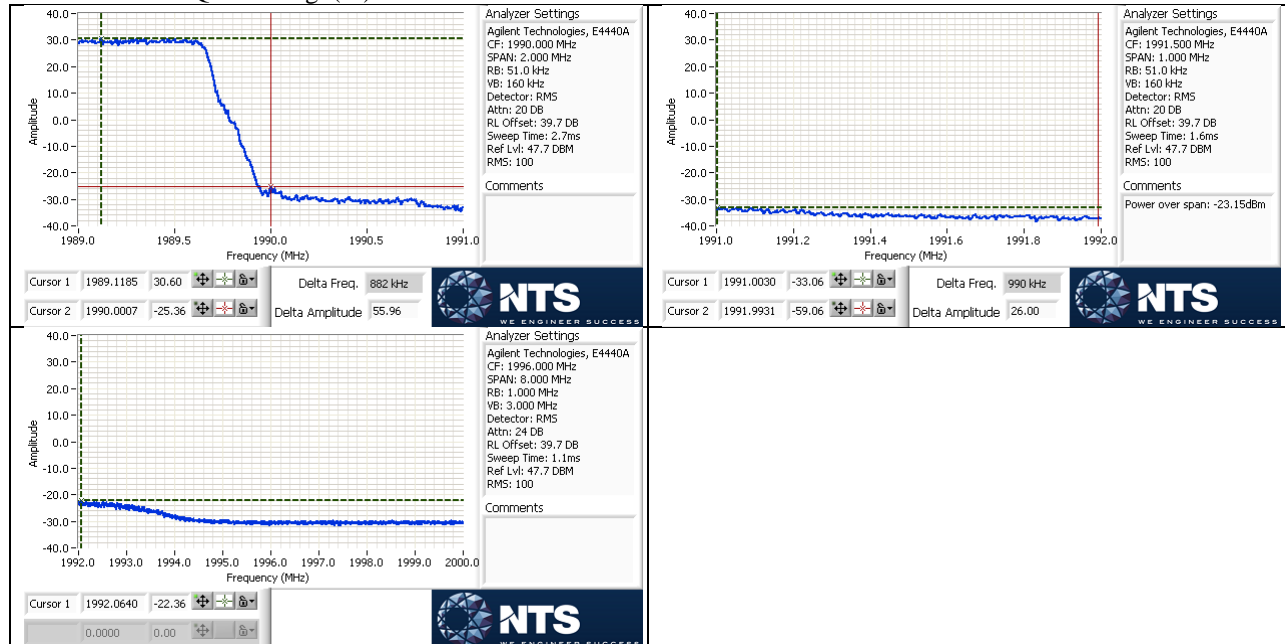
LTE – 5M – 64QAM – Low(+1)



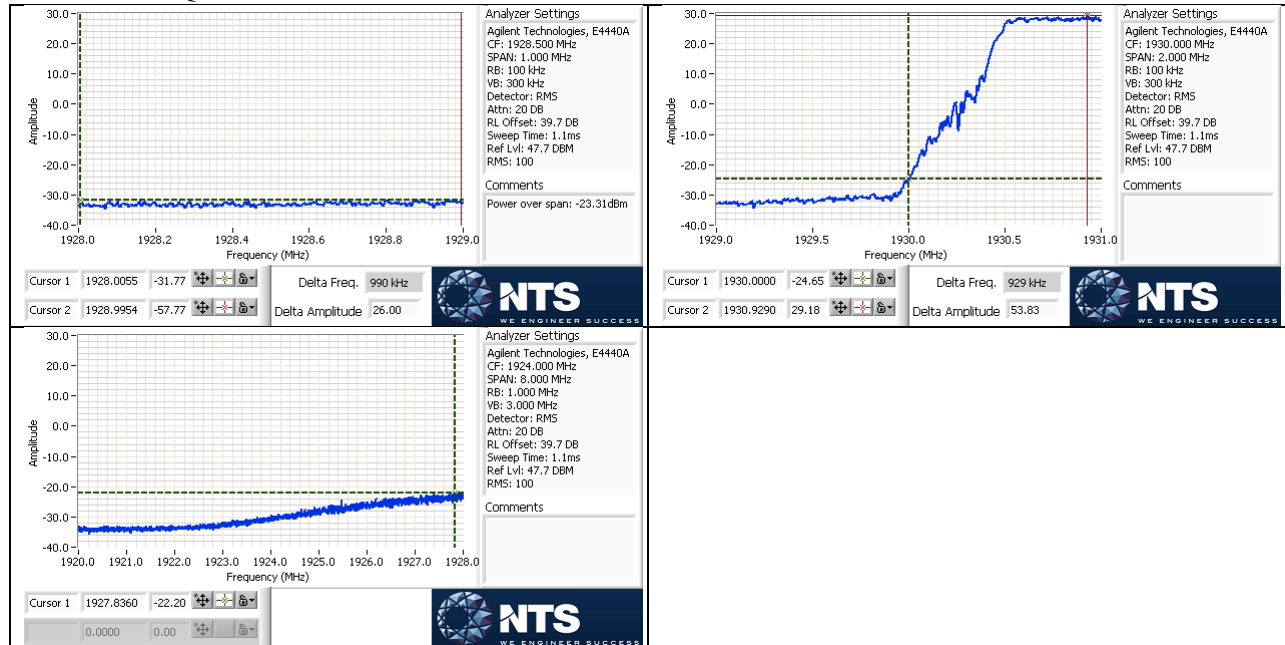
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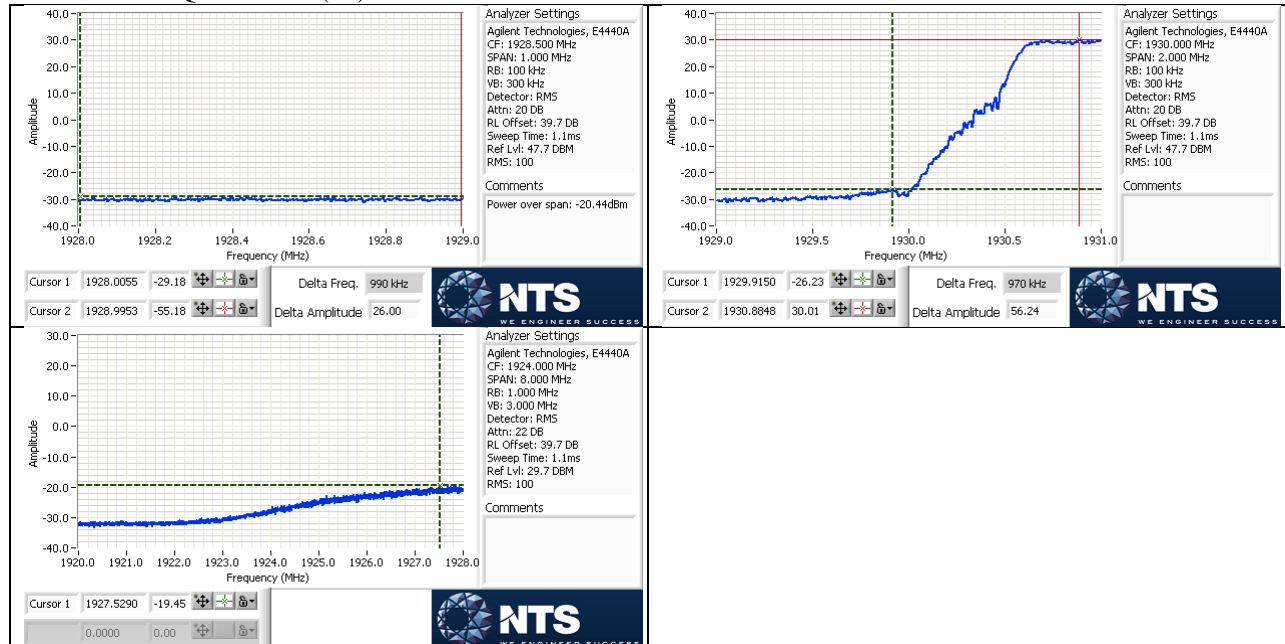
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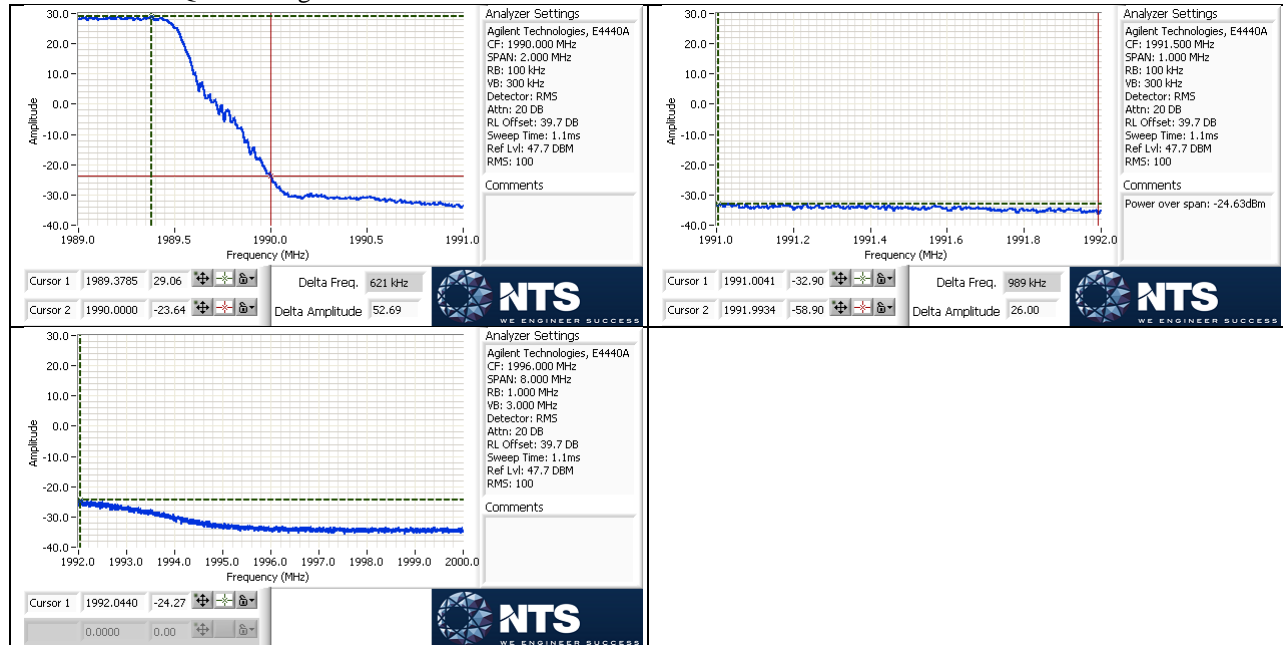
LTE – 10M – QPSK – Low



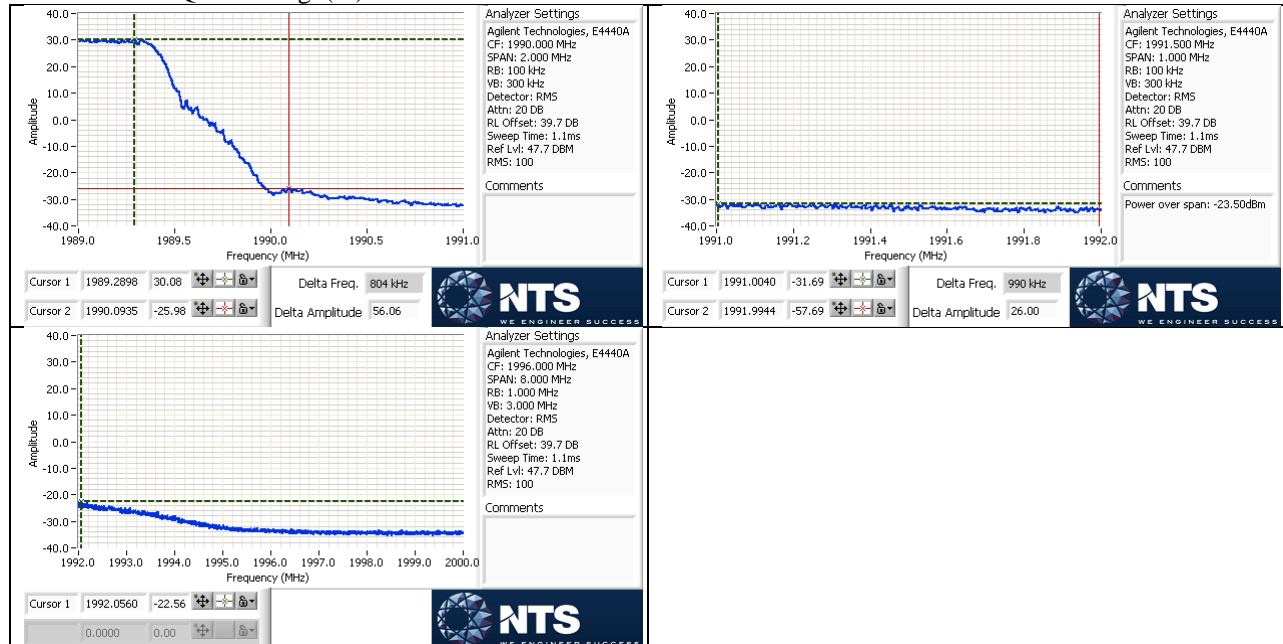
LTE – 10M – QPSK – Low(+1)



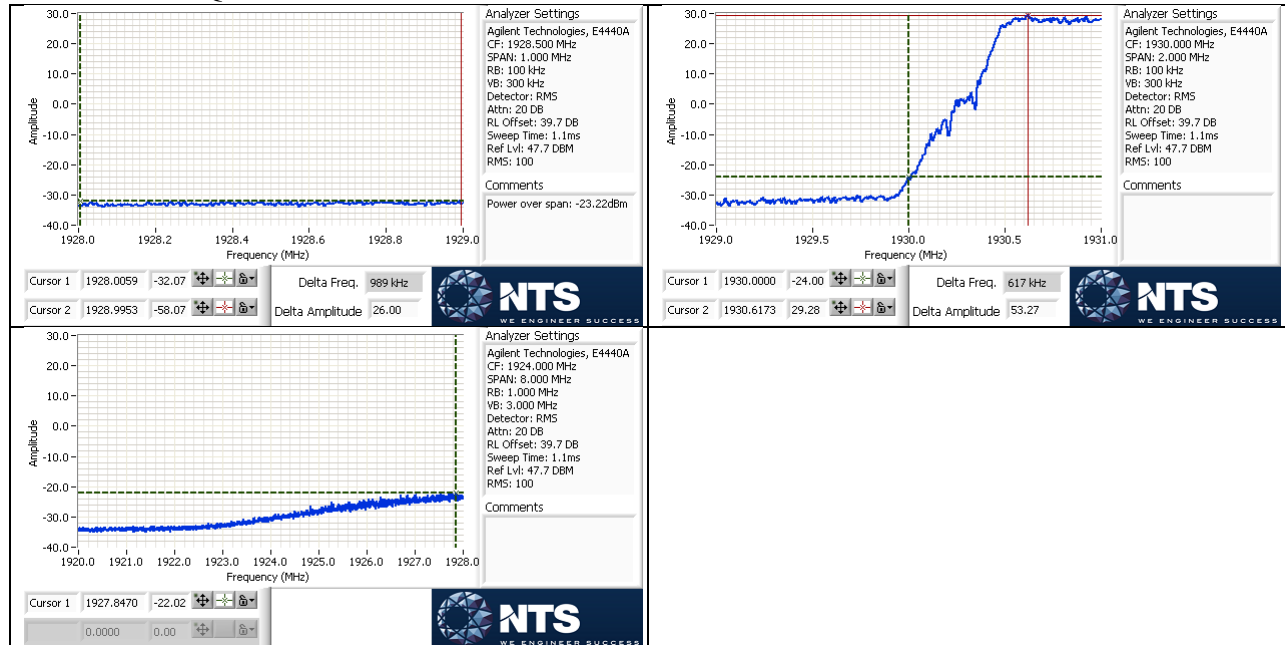
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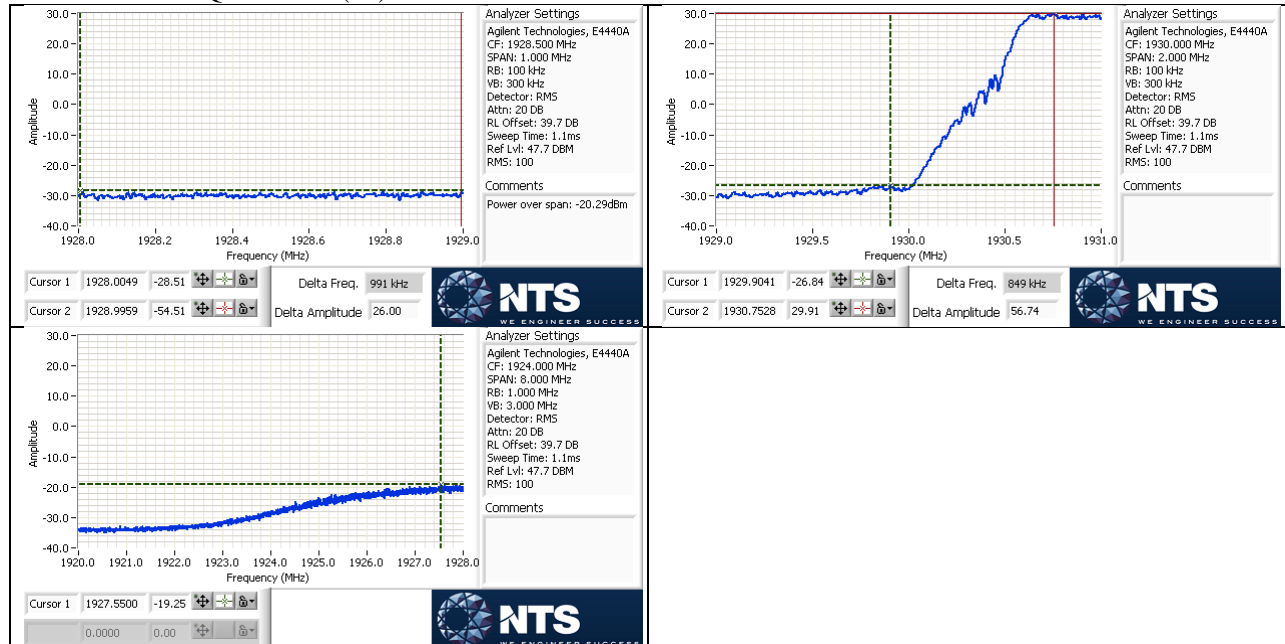
LTE – 10M – QPSK – High(-1)



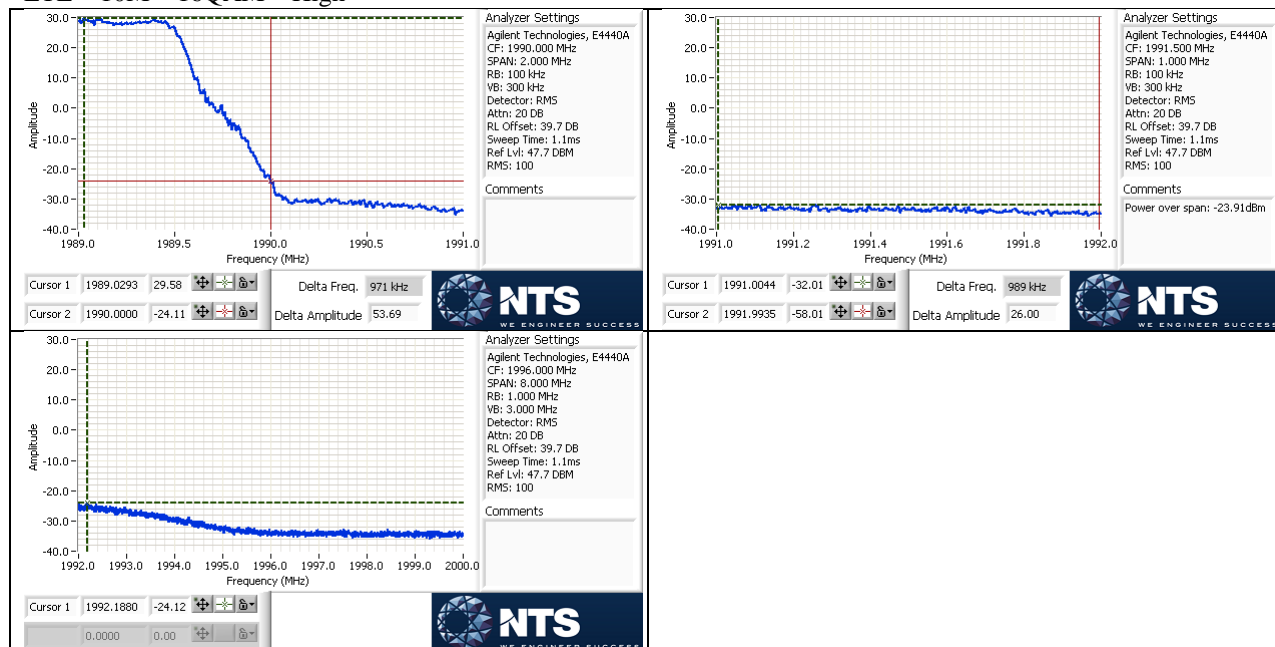
LTE – 10M – 16QAM – Low



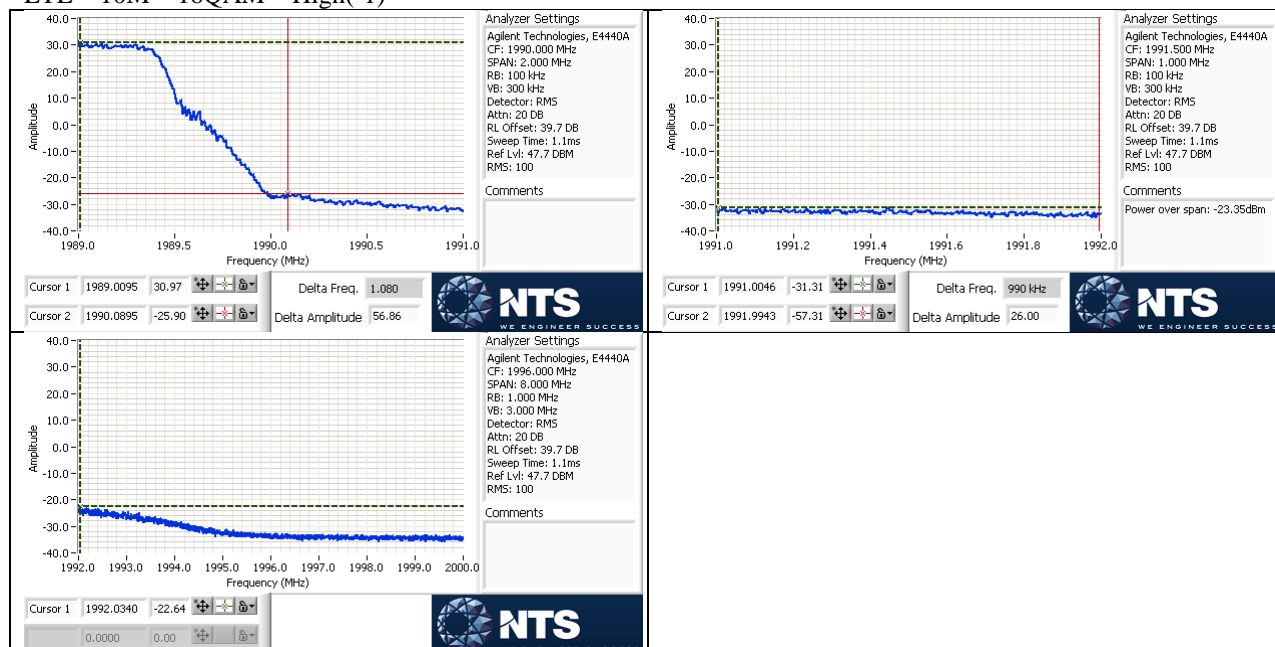
LTE – 10M – 16QAM – Low(+1)



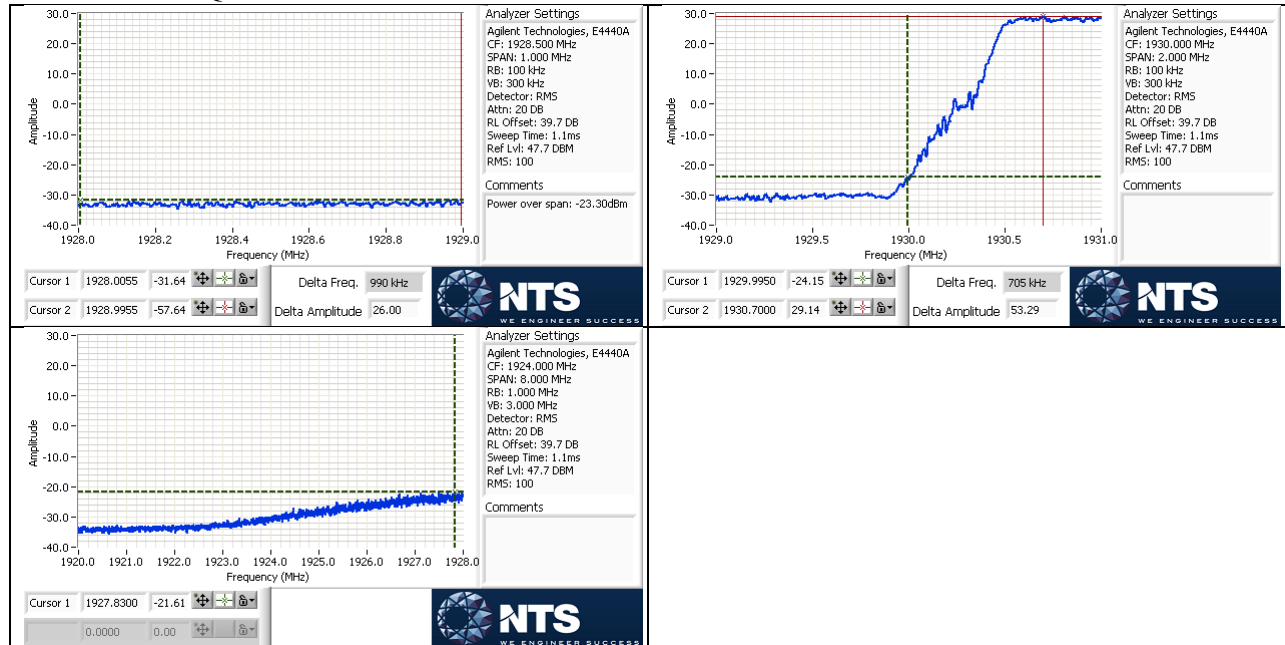
LTE – 10M – 16QAM – High



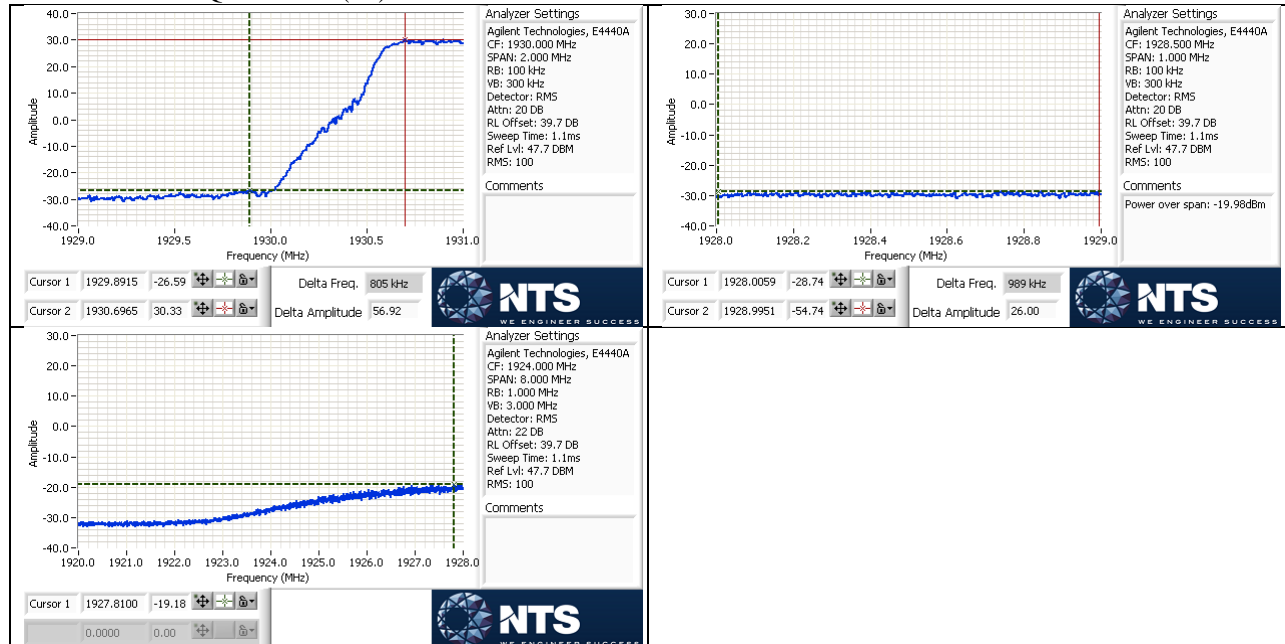
LTE – 10M – 16QAM – High(-1)



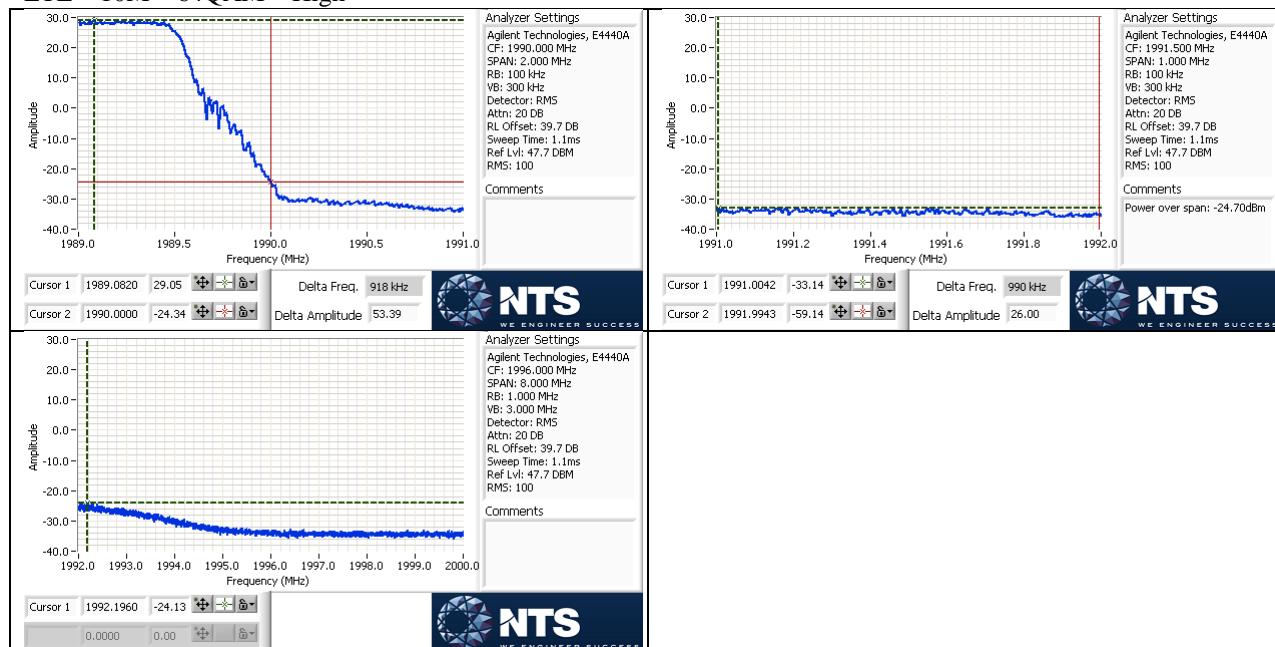
LTE – 10M – 64QAM – Low



LTE – 10M – 64QAM – Low(+1)



LTE – 10M – 64QAM – High



LTE – 10M – 64QAM – High(-1)

