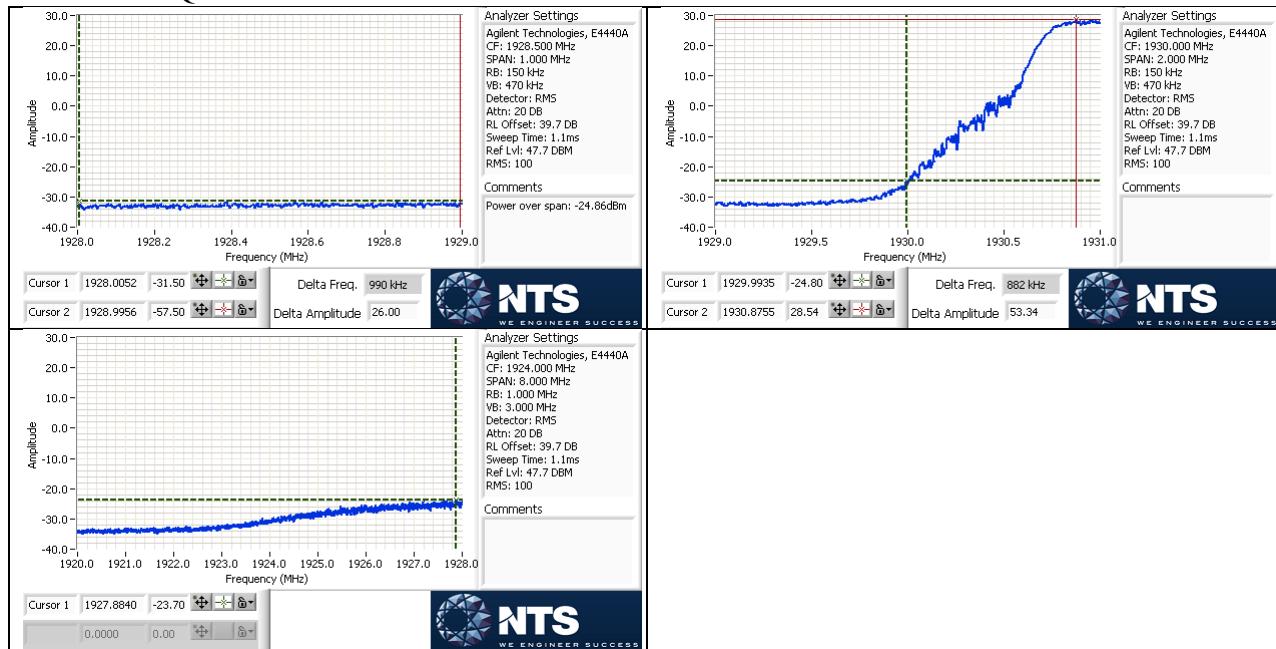
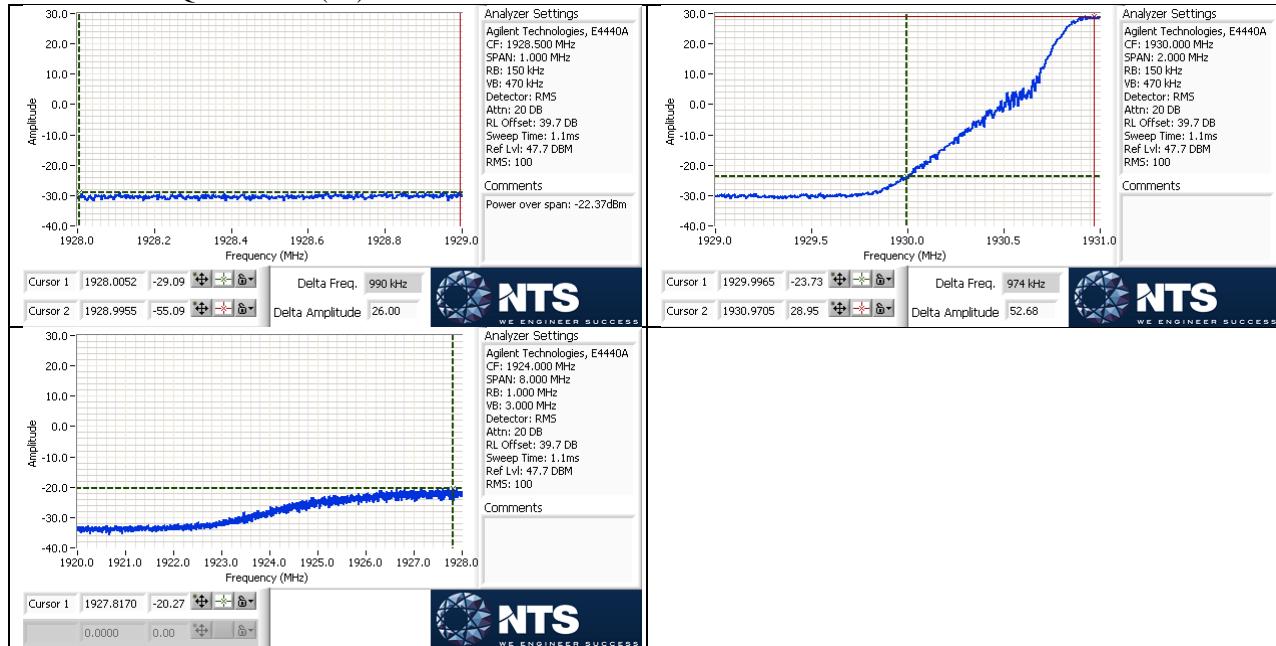


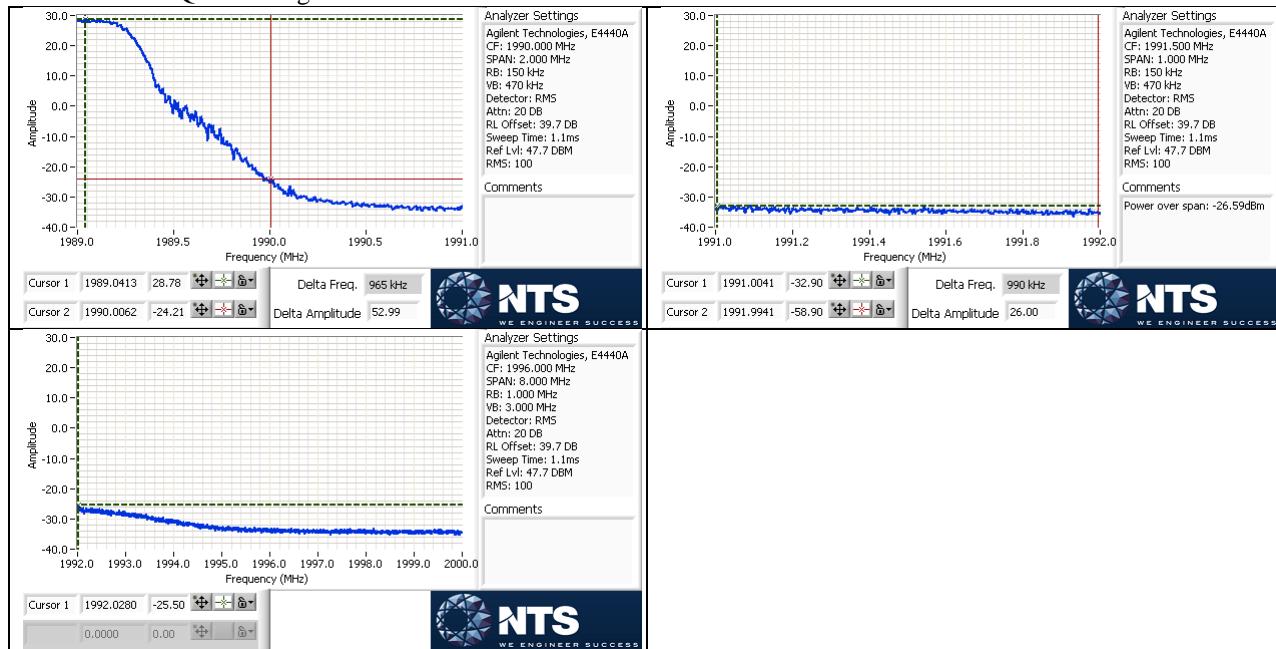
LTE – 15M – QPSK – Low



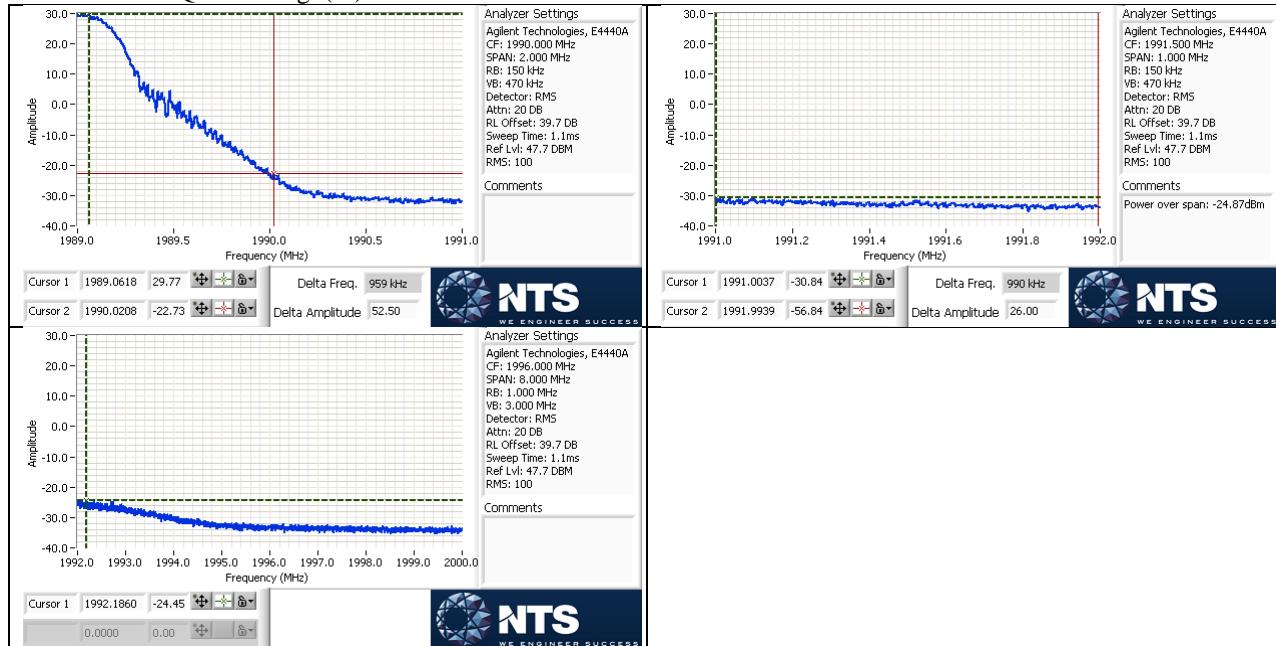
LTE – 15M – QPSK – Low(+1)



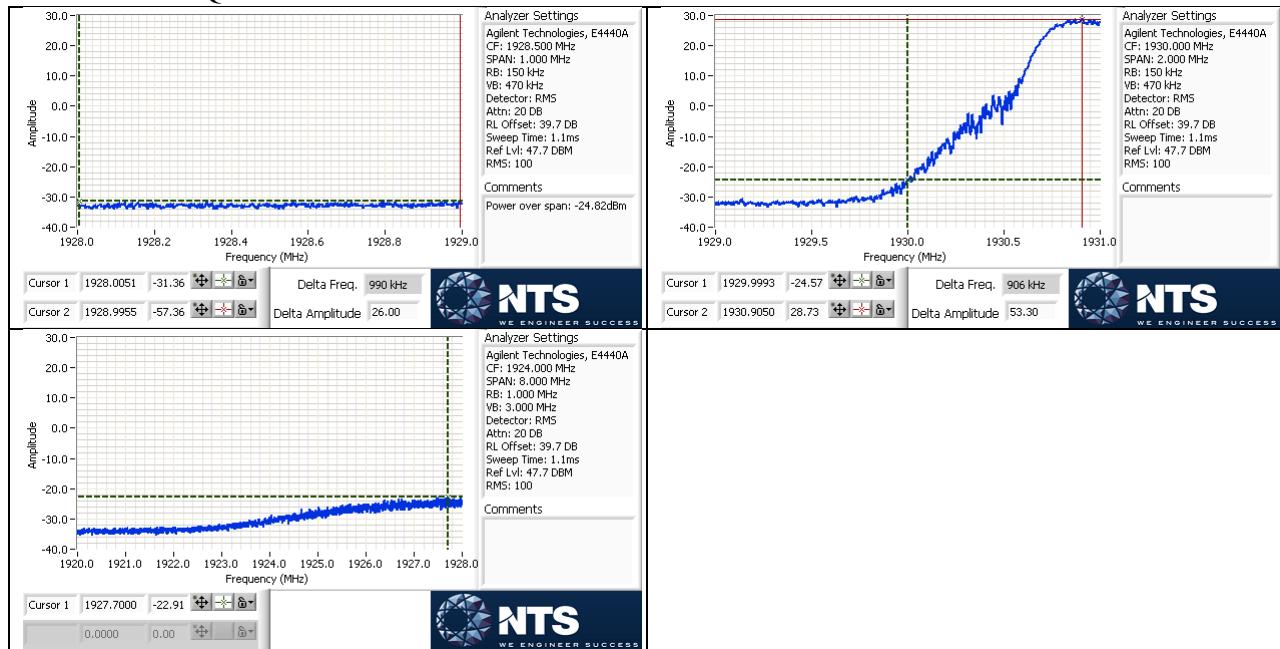
LTE – 15M – QPSK – High



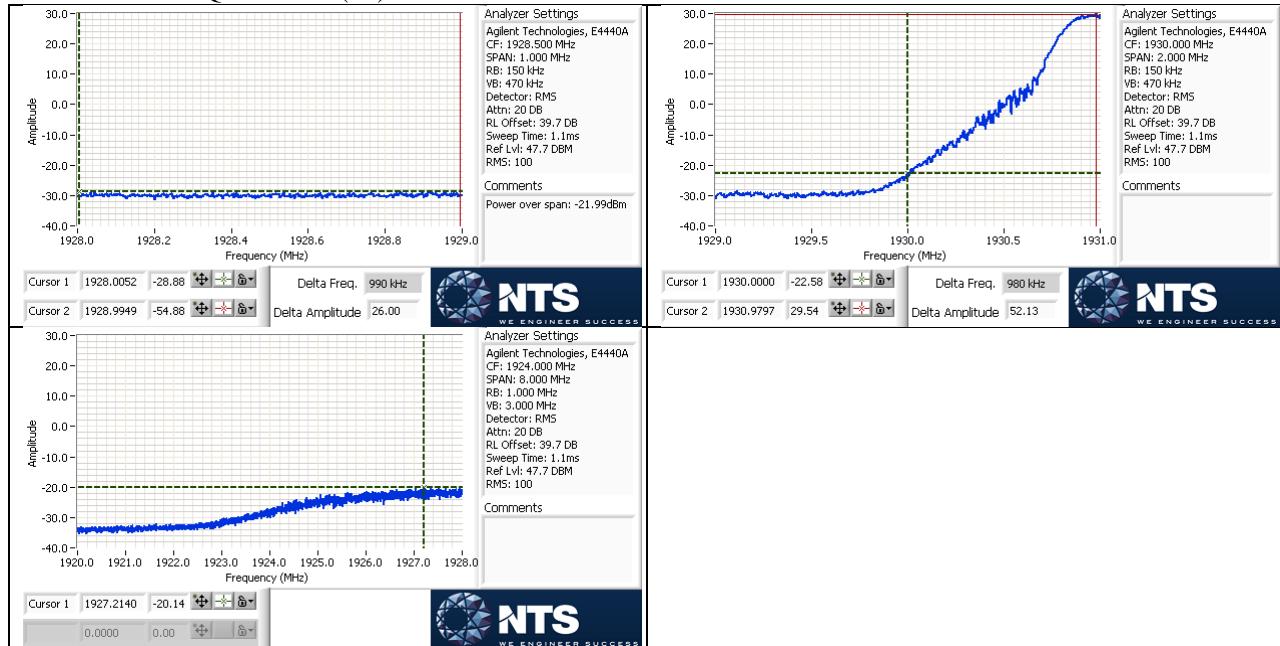
LTE – 15M – QPSK – High(-1)



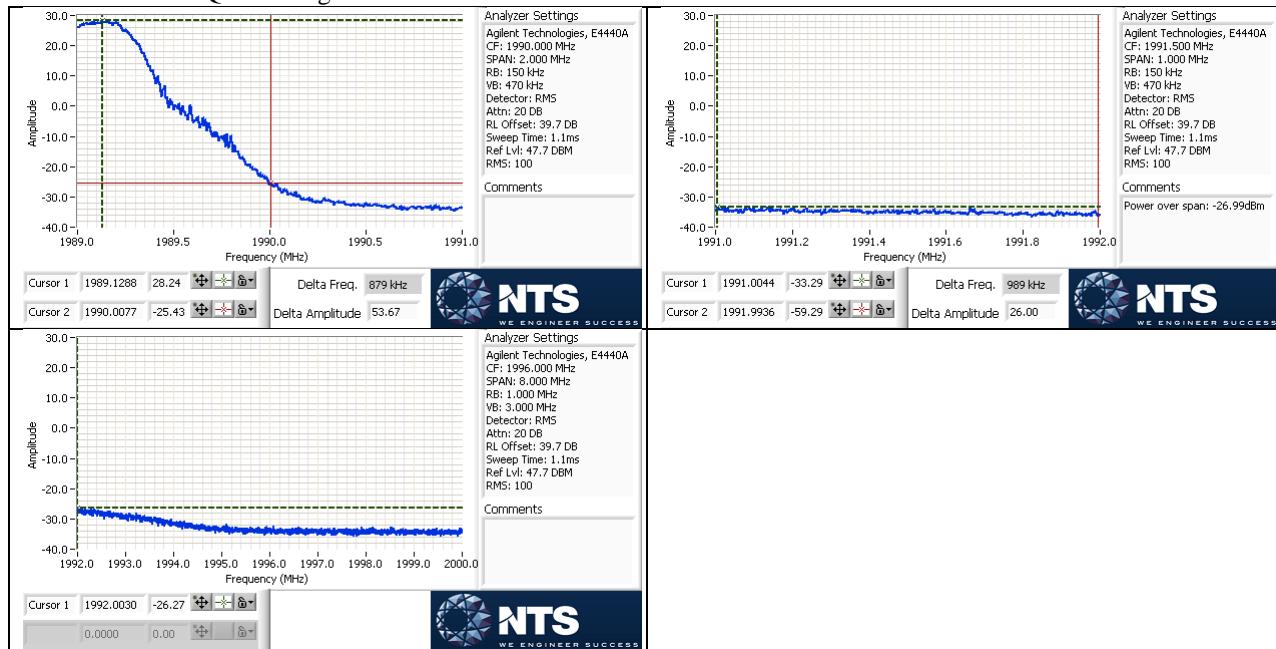
LTE – 15M – 16QAM – Low



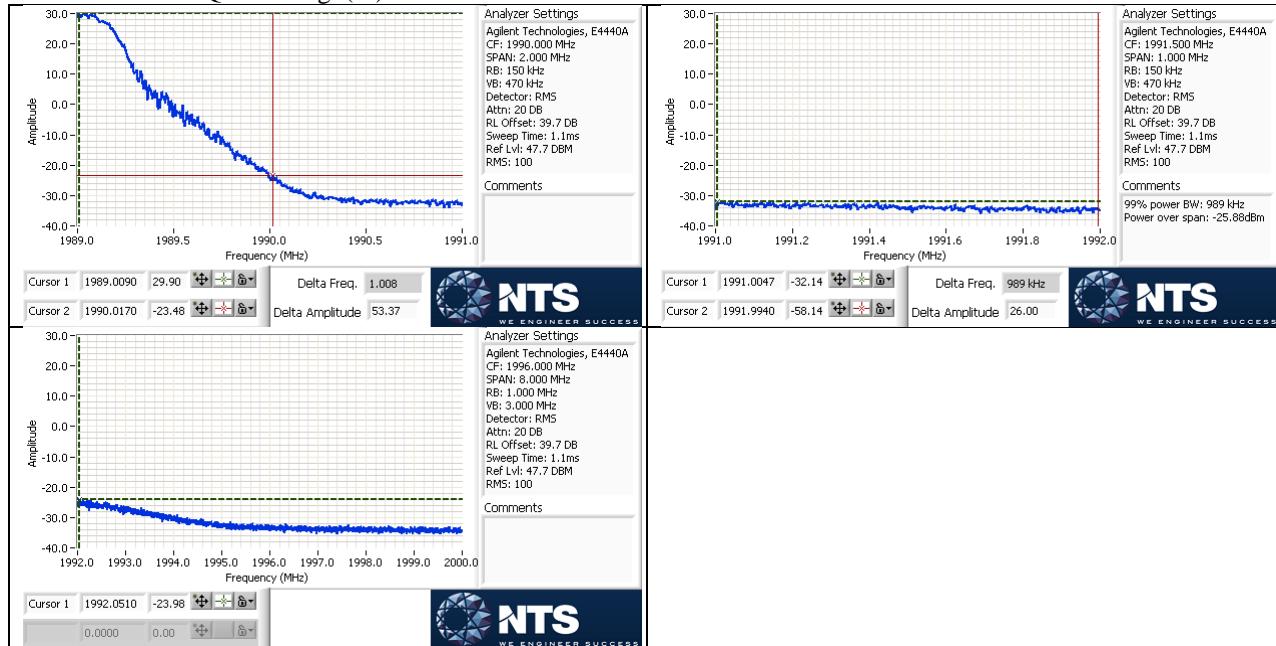
LTE – 15M – 16QAM – Low(+1)



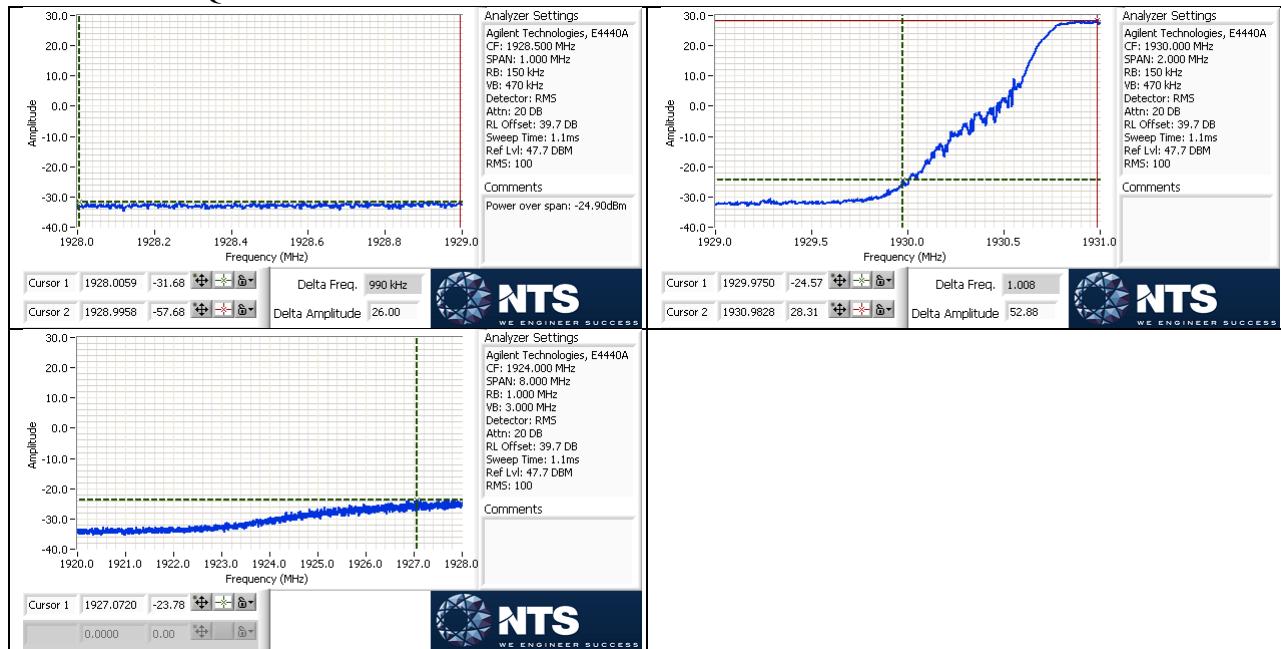
LTE – 15M – 16QAM – High



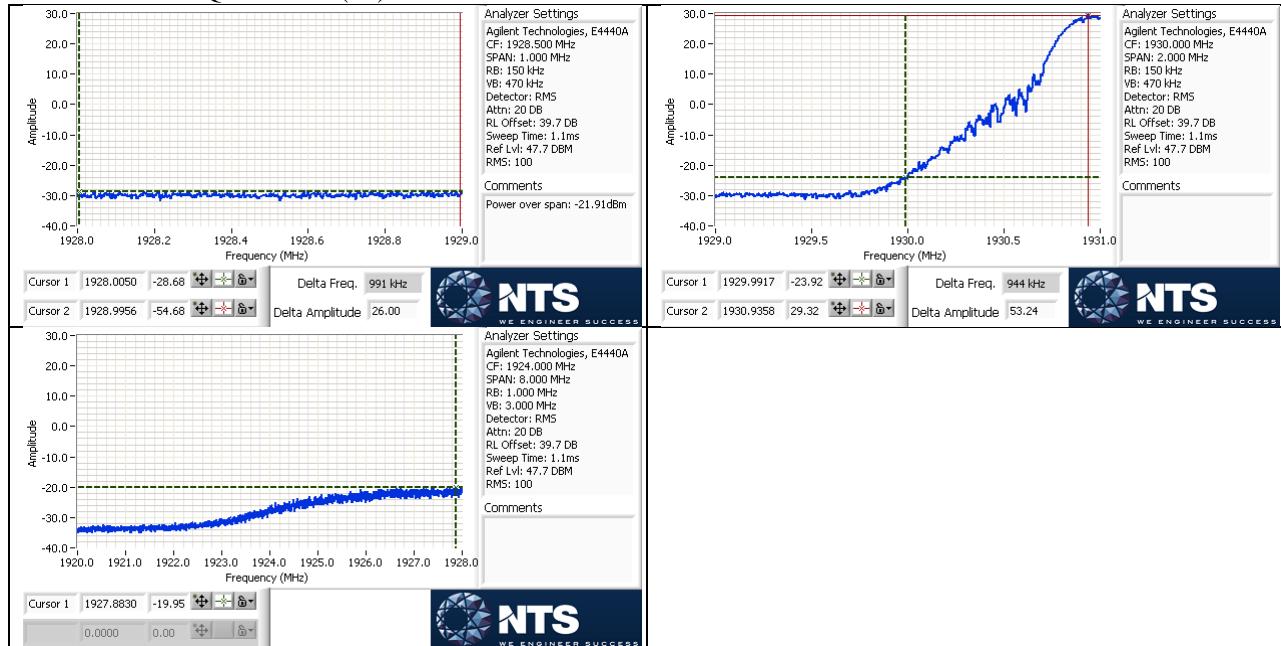
LTE – 15M – 16QAM – High(-1)



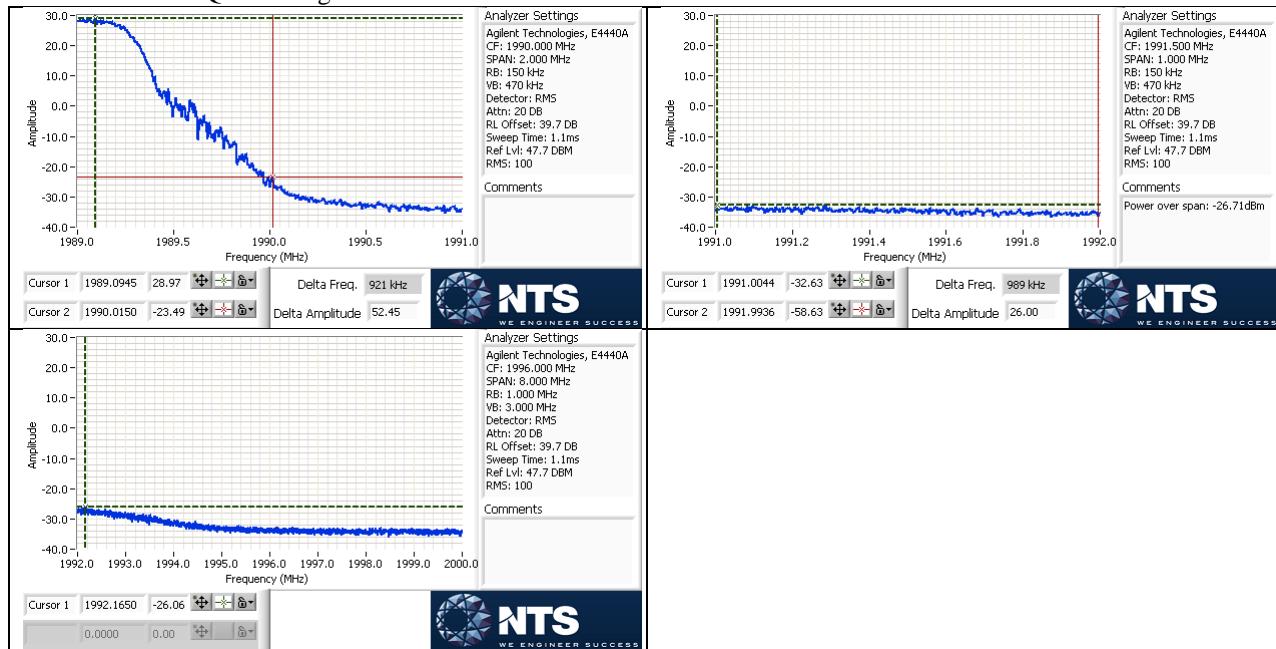
LTE – 15M – 64QAM – Low



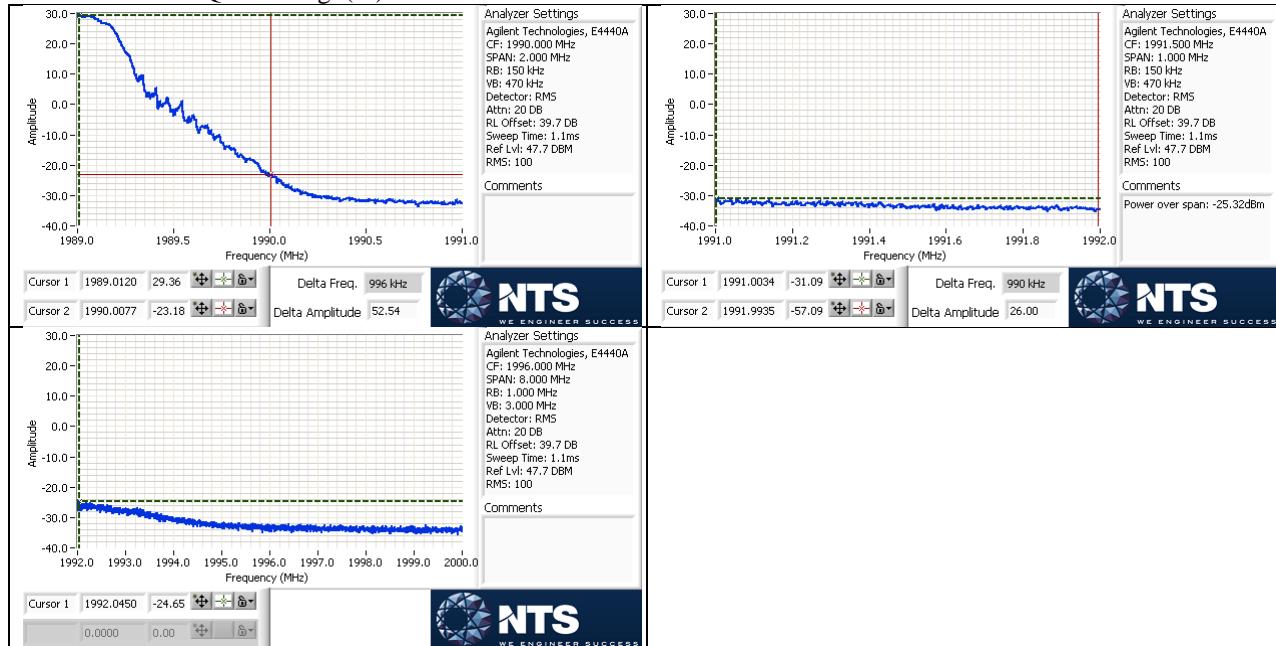
LTE – 15M – 64QAM – Low(+1)



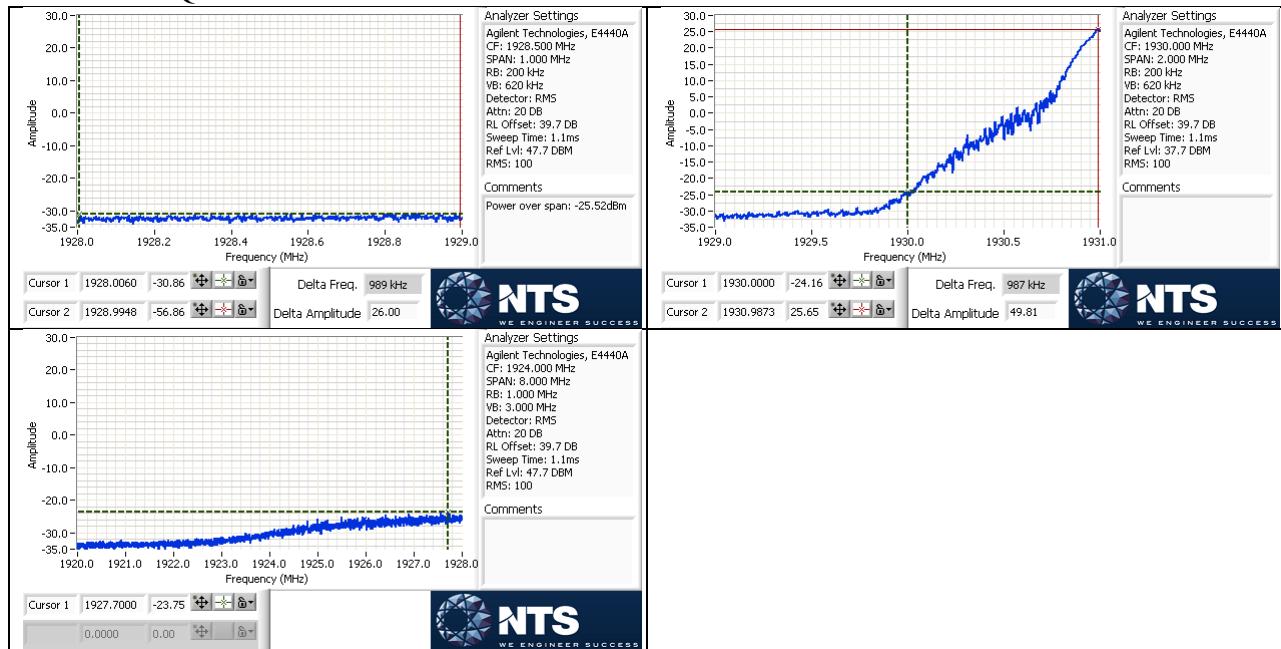
LTE – 15M – 64QAM – High



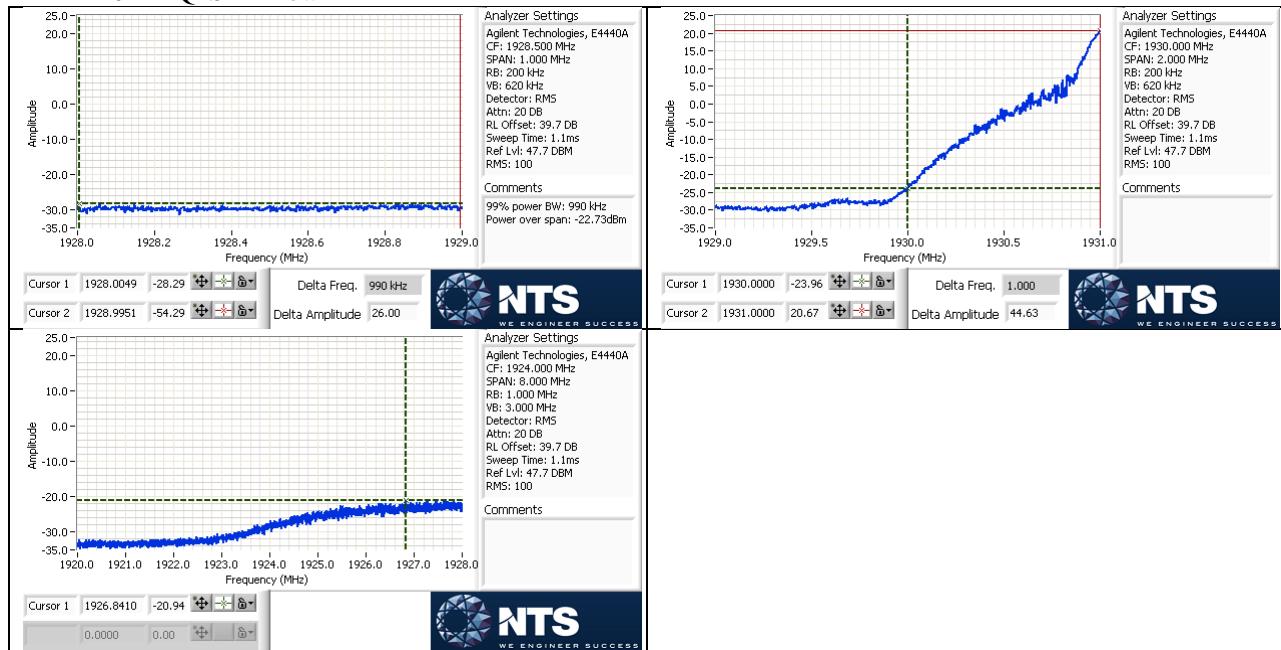
LTE – 15M – 64QAM – High(-1)



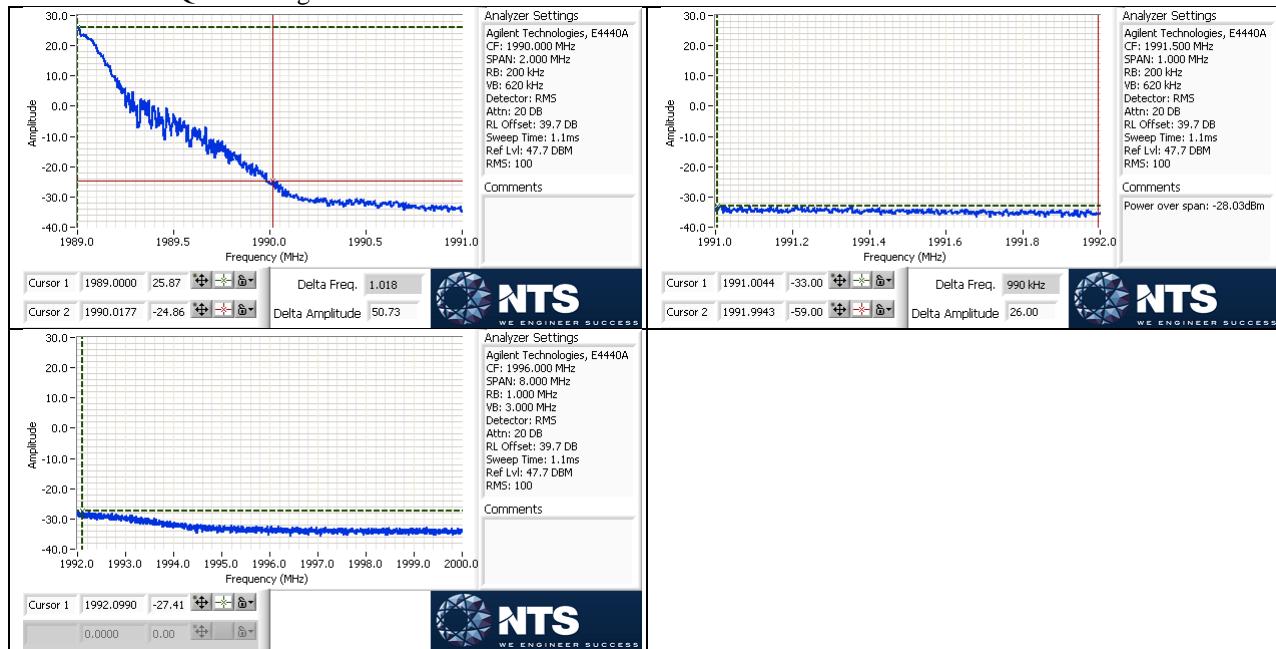
LTE – 20M – QPSK – Low



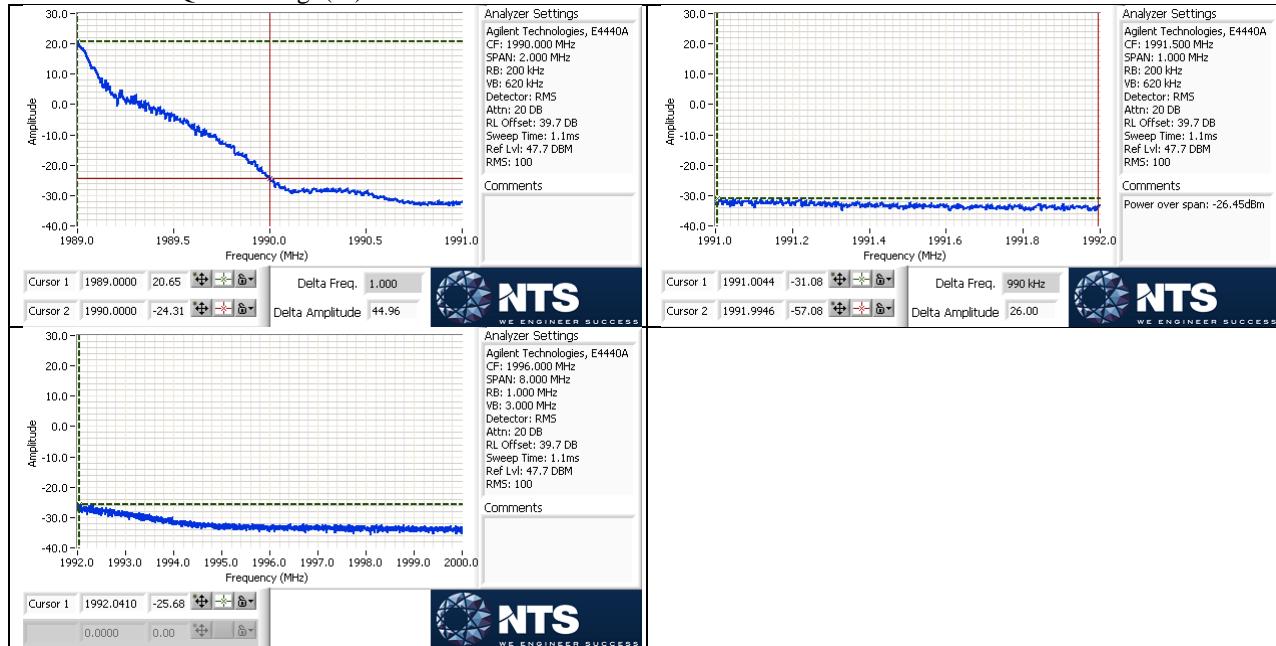
LTE – 20M – QPSK – Low+1



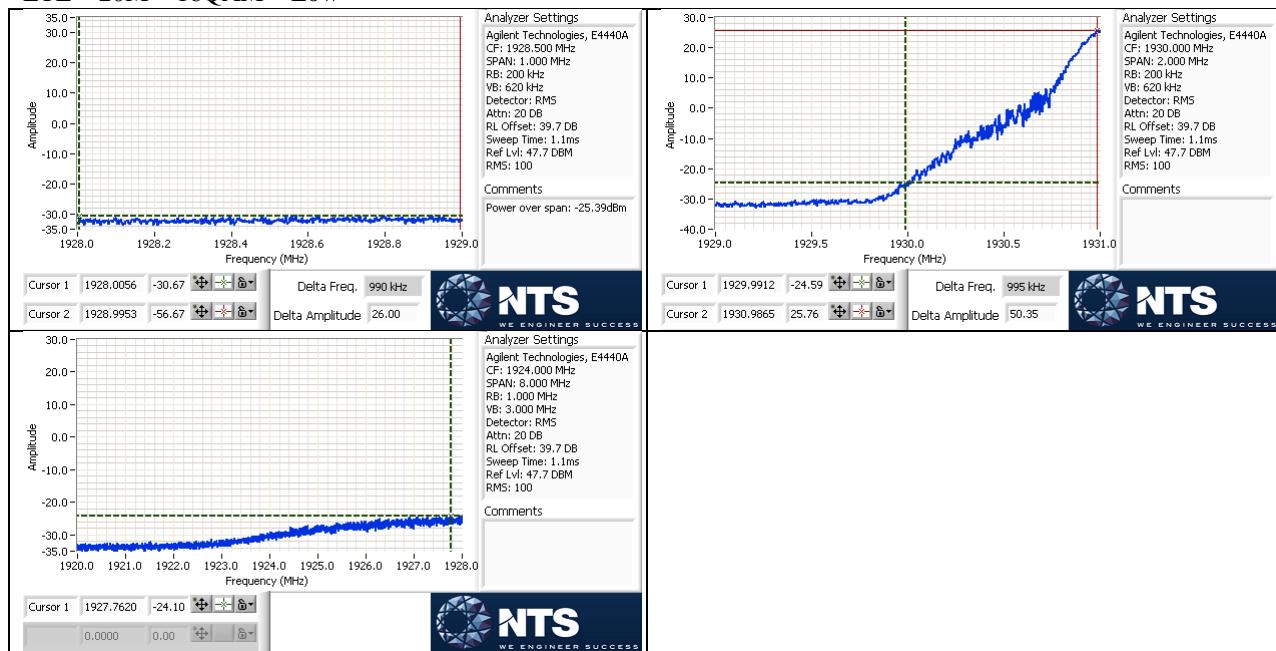
LTE – 20M – QPSK – High



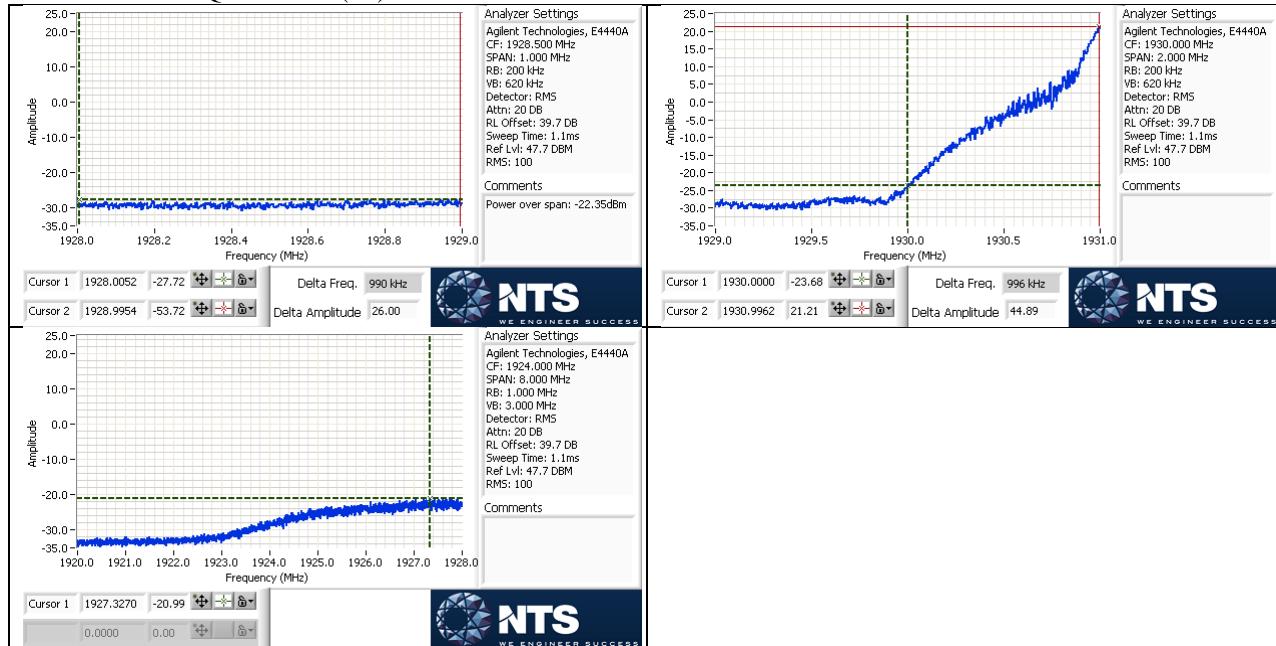
LTE – 20M – QPSK – High(-1)



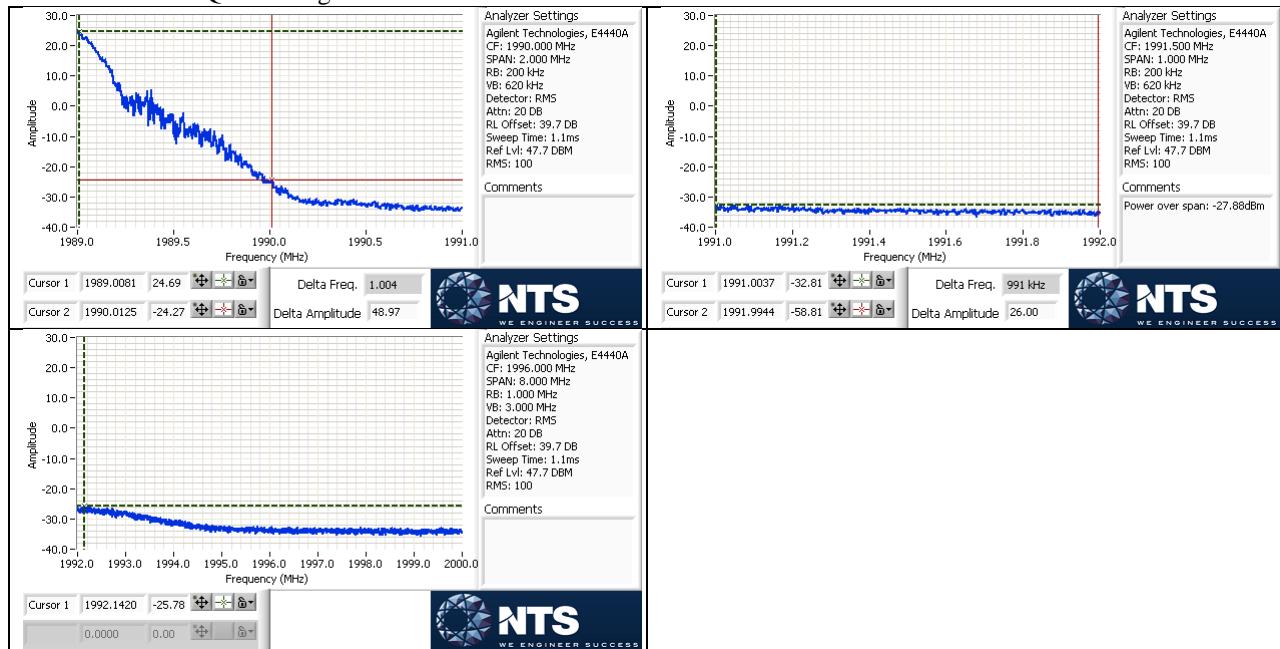
LTE – 20M – 16QAM – Low



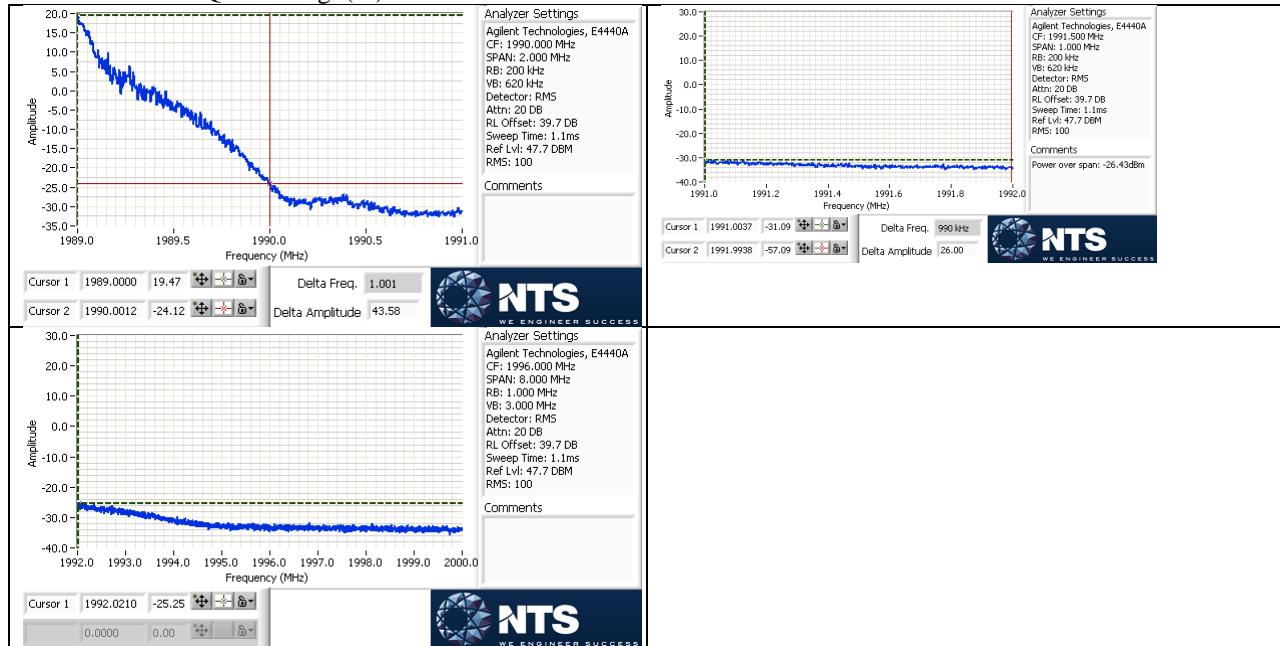
LTE – 20M – 16QAM – Low(+1)



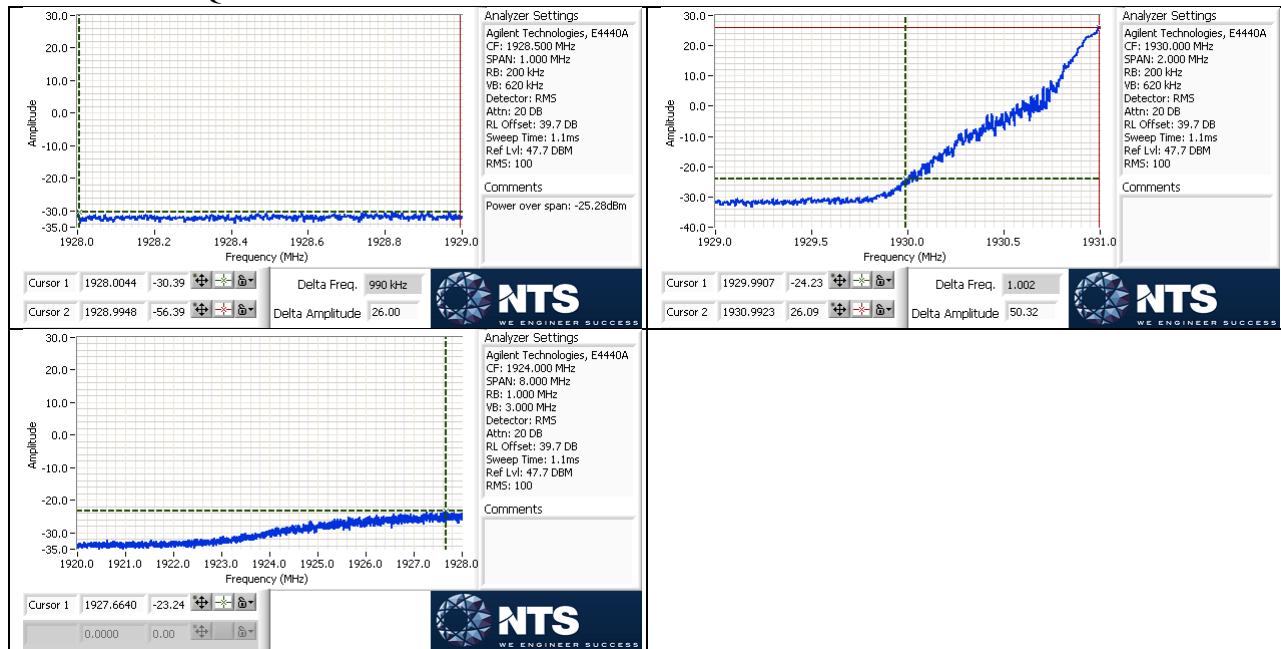
LTE – 20M – 16QAM – High



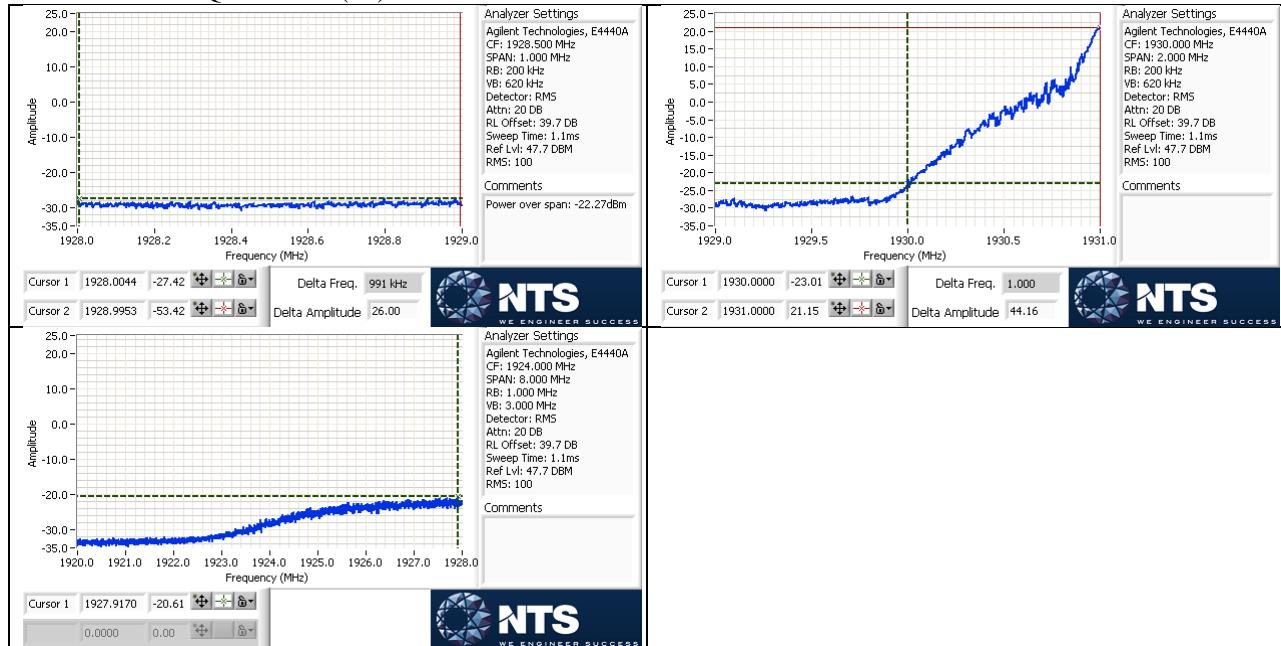
LTE – 20M – 16QAM – High(-1)



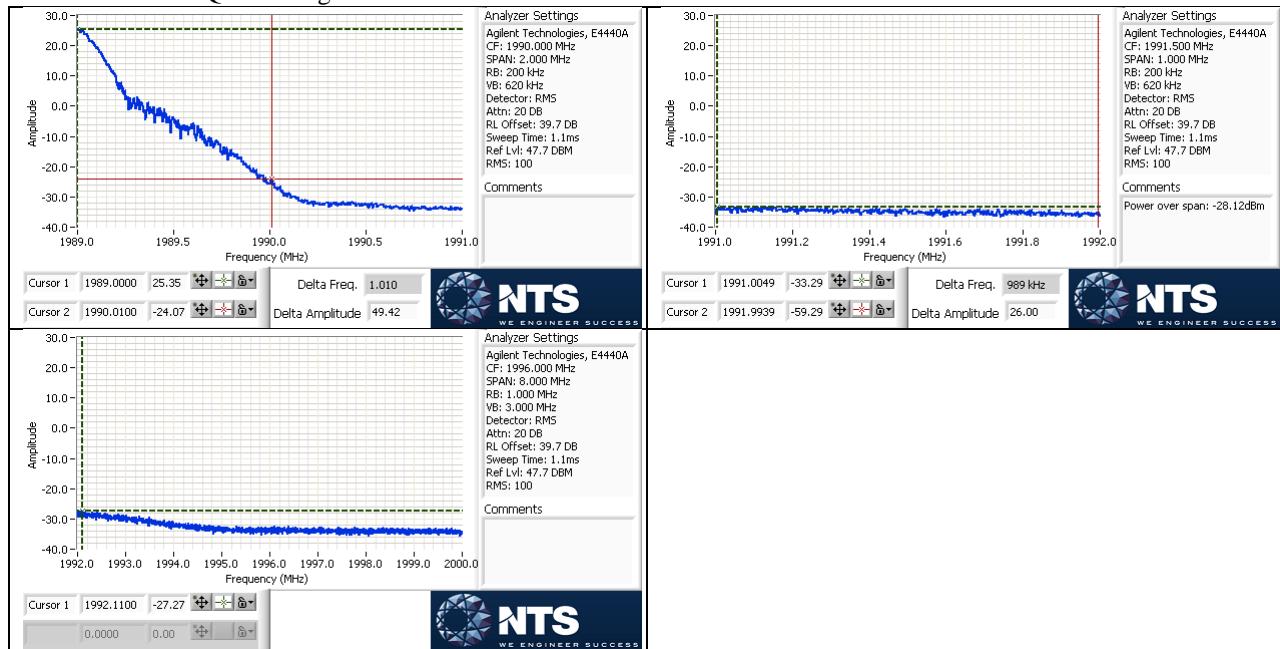
LTE – 20M – 64QAM – Low



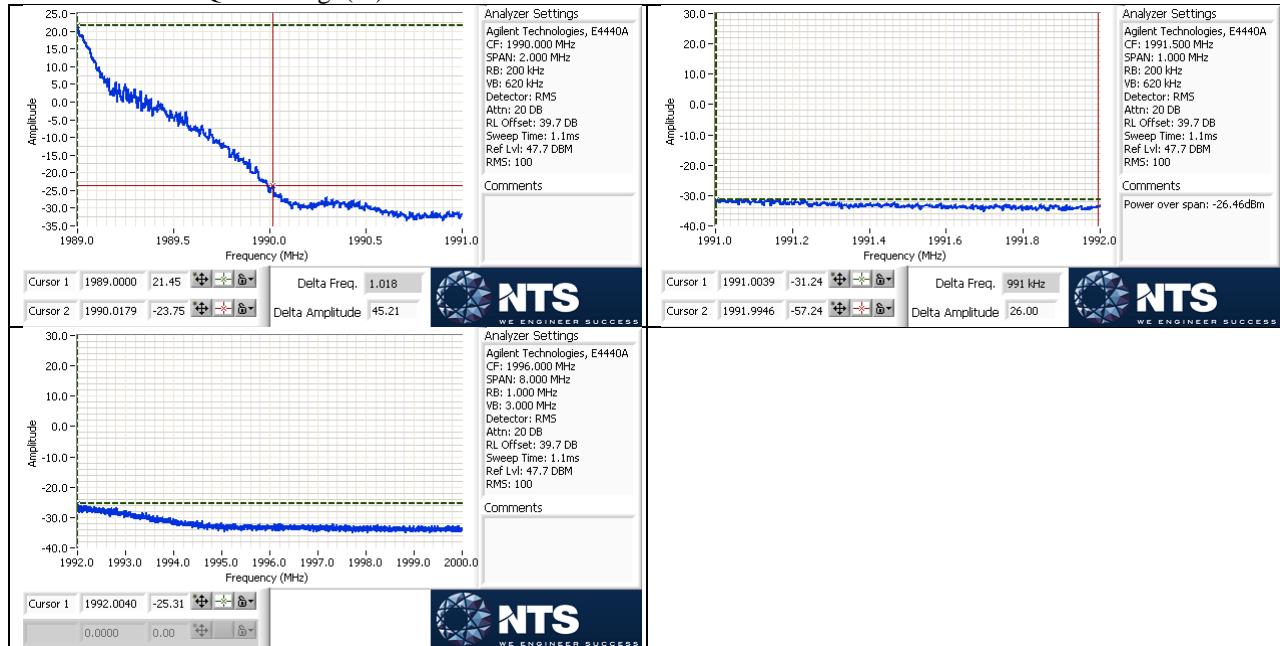
LTE – 20M – 64QAM – Low(+1)



LTE – 20M – 64QAM – High



LTE – 20M – 64QAM – High(-1)



Transmitter Antenna Port Conducted Spurious Emissions

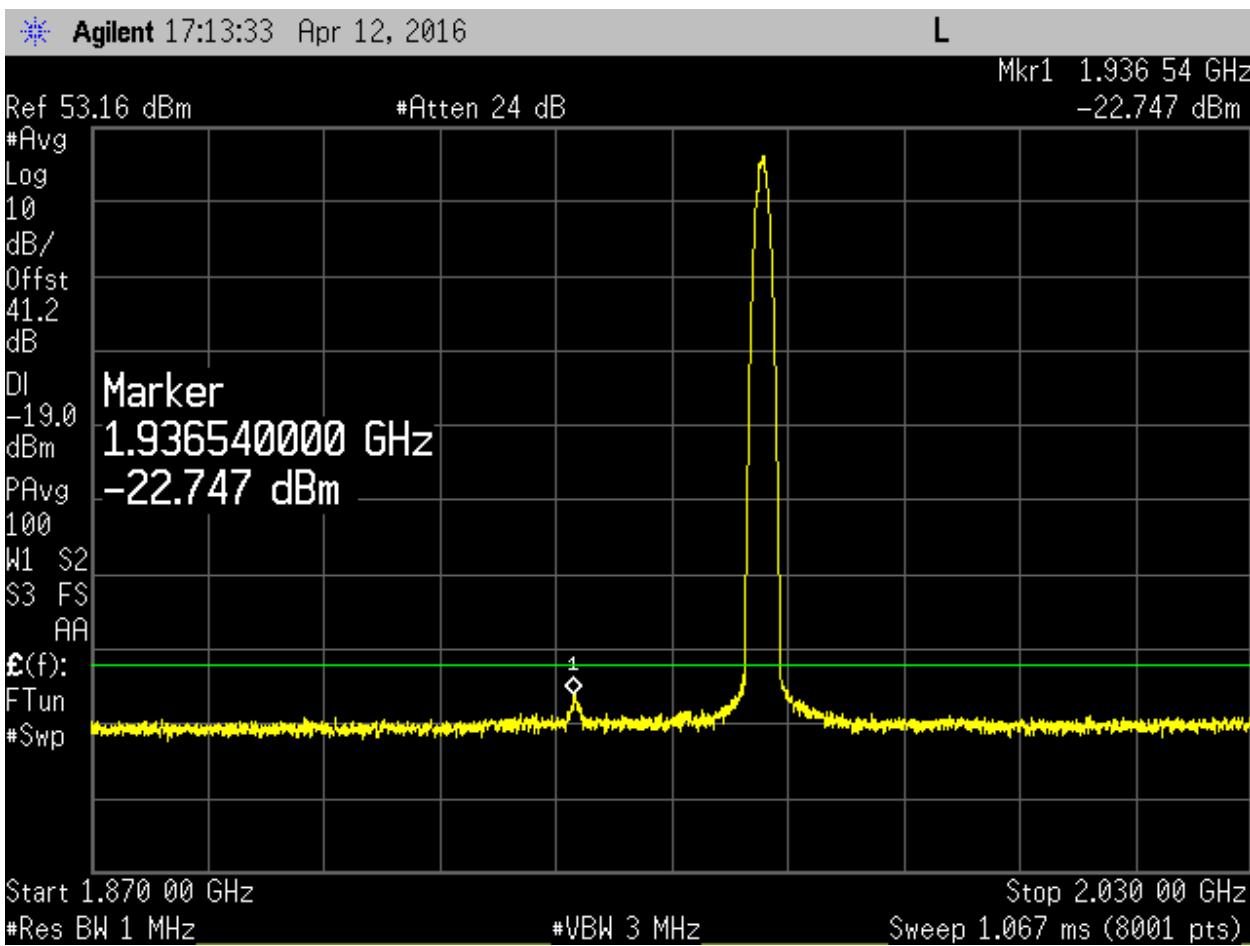
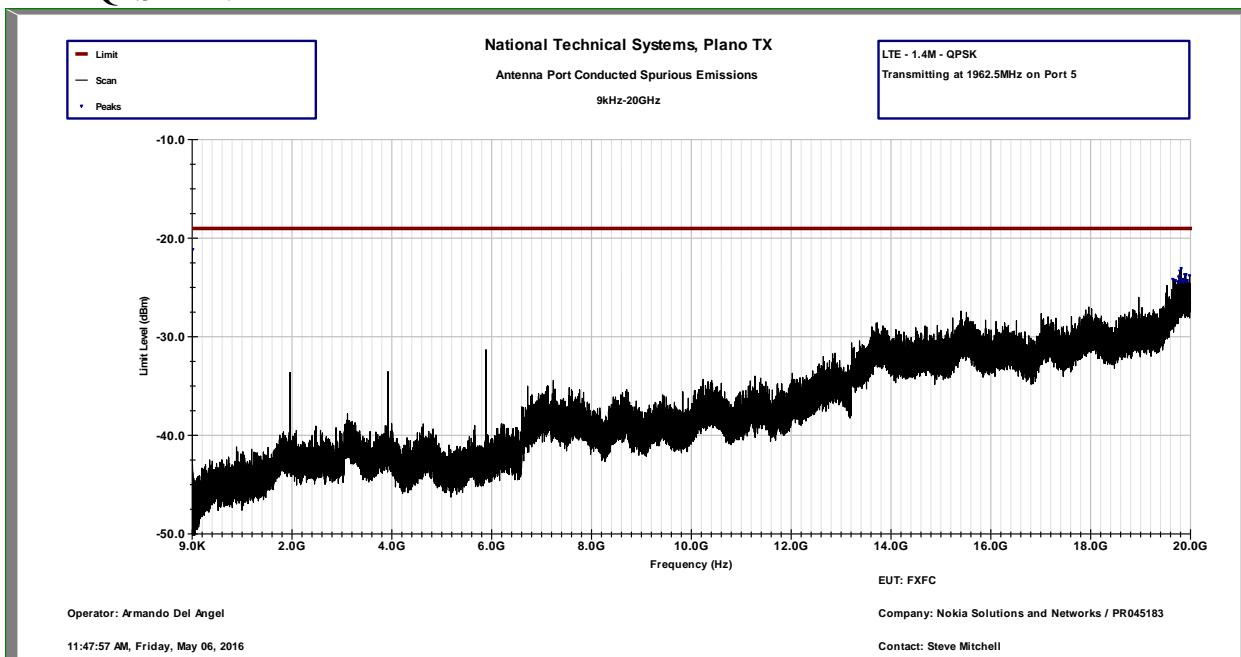
Tests performed at Port 5 on center channel for all modulations and bandwidth modes. Due to 4x4 MIMO operation, limit is -19.03dBm (-13dBm – 10*log(4)) per FCC KDB 662911D01 v02r01.

TILE6 measurement software was used during testing with the following settings:

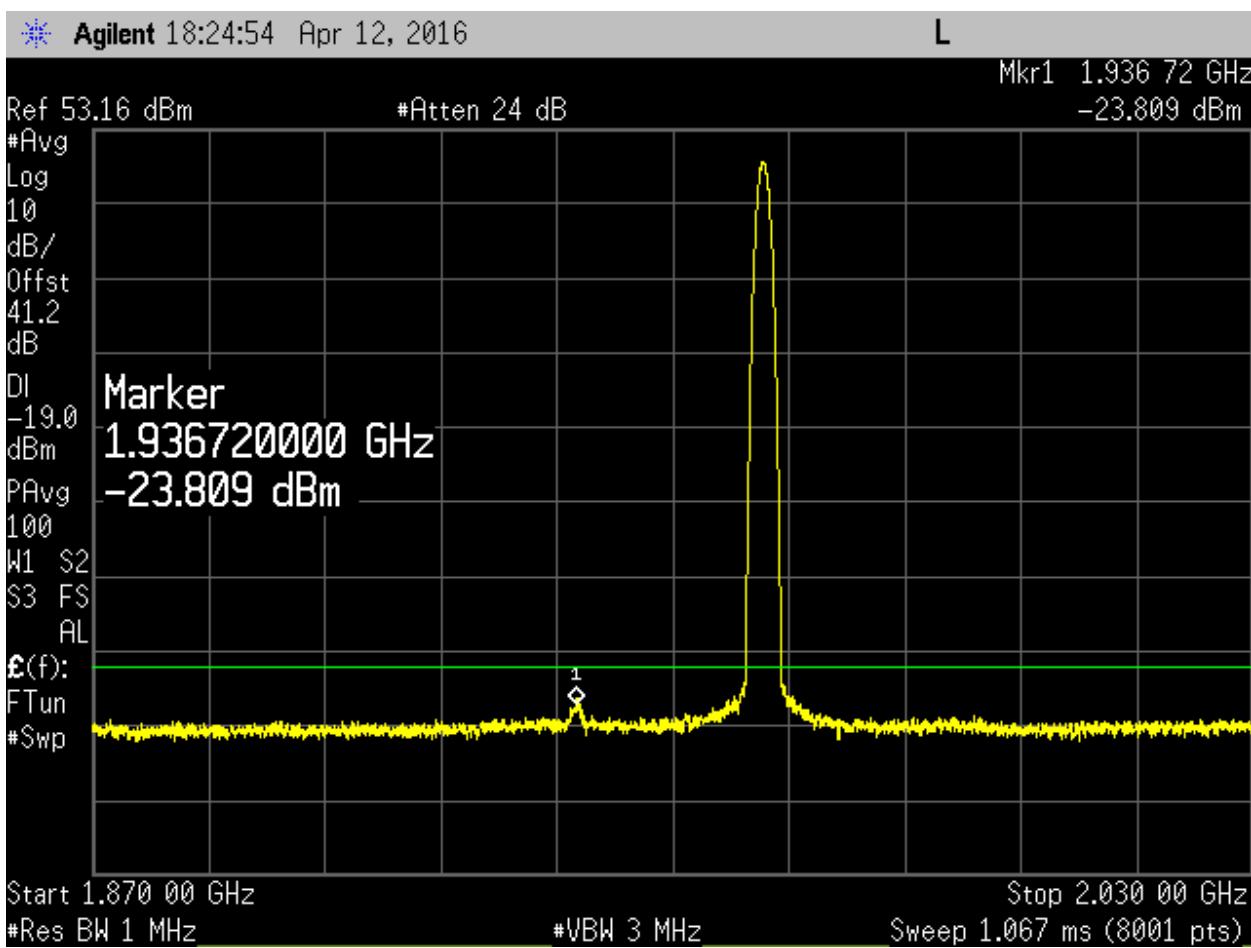
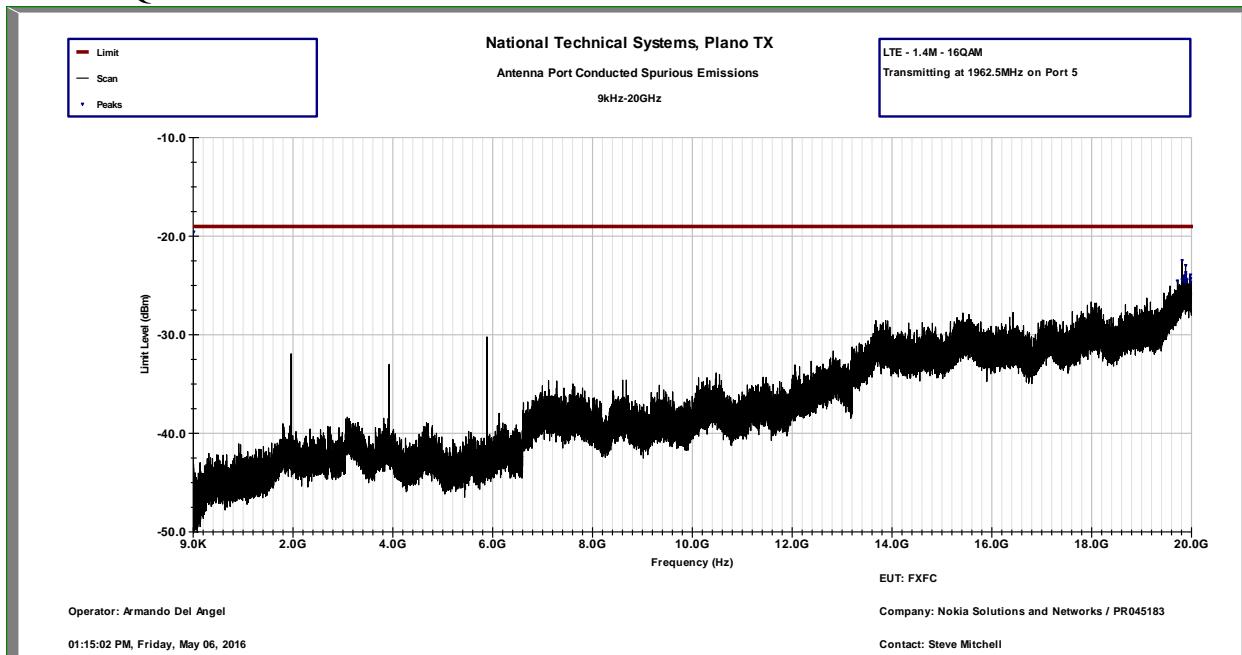
Frequency Range	RBW	VBW	Number of data points	Divided into	Detector	Sweep Time	Max hold over
9kHz-150kHz	1kHz	3kHz	8000	1 segment	Peak	Auto	50 sweeps
150kHz-1.5MHz	100kHz	300kHz	8000	1 segment	Peak	Auto	50 sweeps
1.5MHz-20GHz	1MHz	3MHz	8000	10 segments	Peak	Auto	50 sweeps

Corresponding plots are included on the following pages. 1st Plot was taken with a notch filter and a High-Pass Filter. The notch filter was used from 9kHz-4GHz with a stop-band of 1870-2030MHz. The High pass filter was used from 4GHz-20GHz with a pass-band of 2800-20000MHz. The 2nd plot was taken with no filter in order to measure the stop-band of the first filter 1870-2030MHz. This was accomplished with internal and external attenuation. The external attenuation was corrected through the PSA's reference offset, attenuator + cables = 41.2dB.

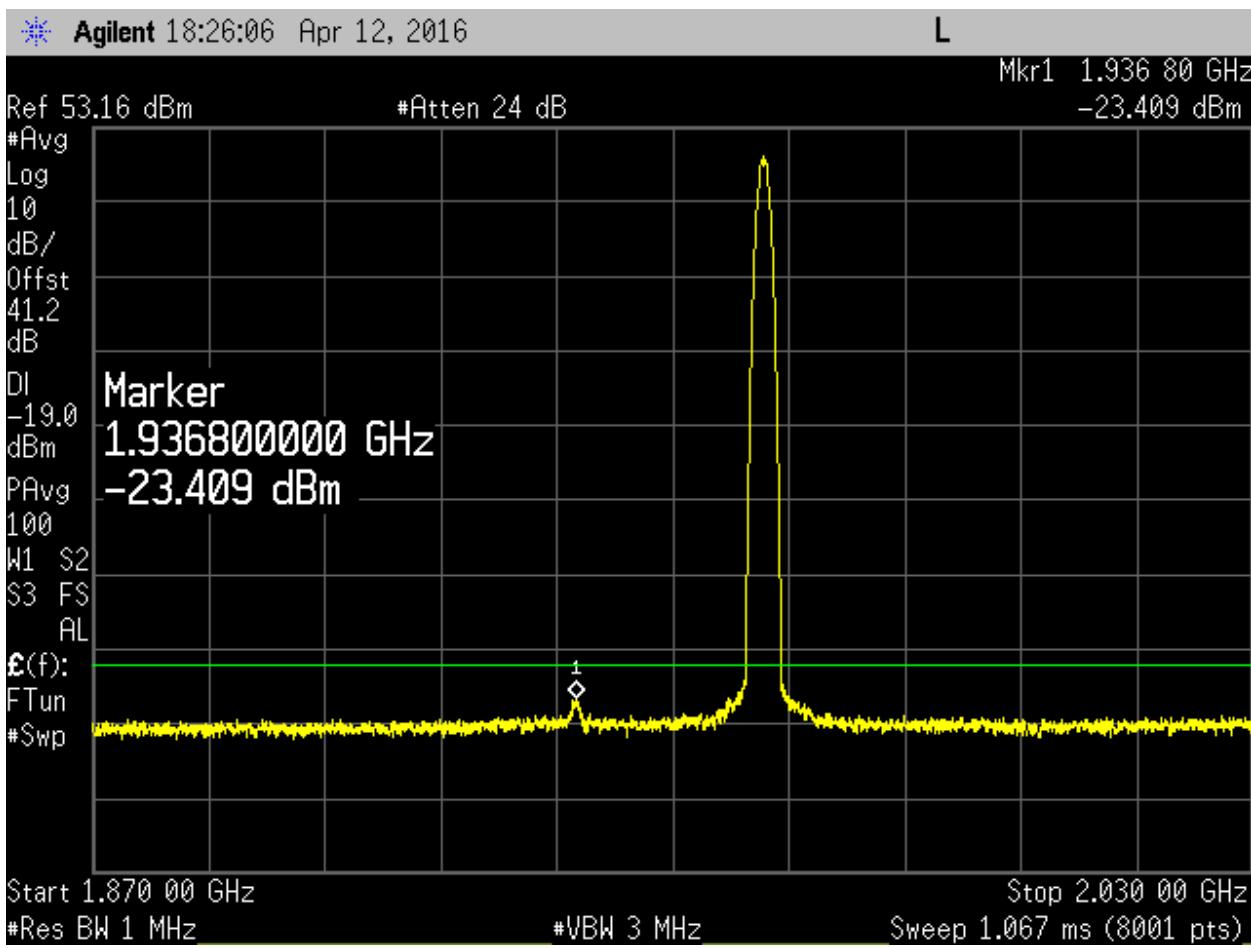
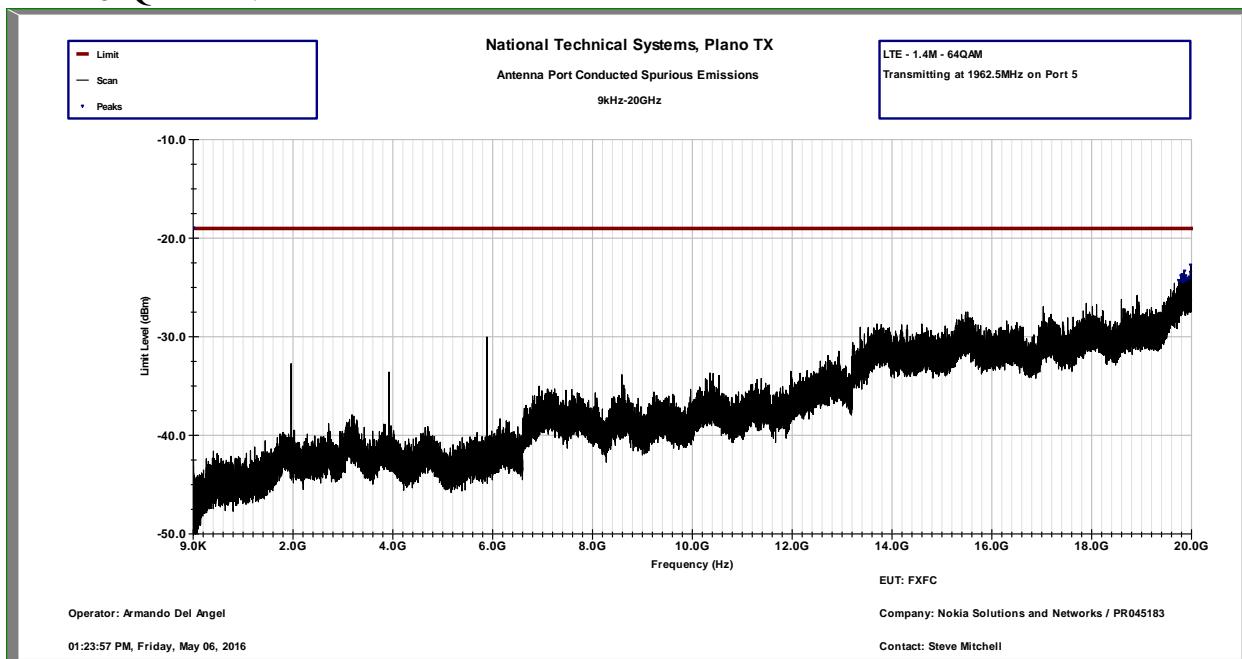
LTE – QPSK – 1.4M



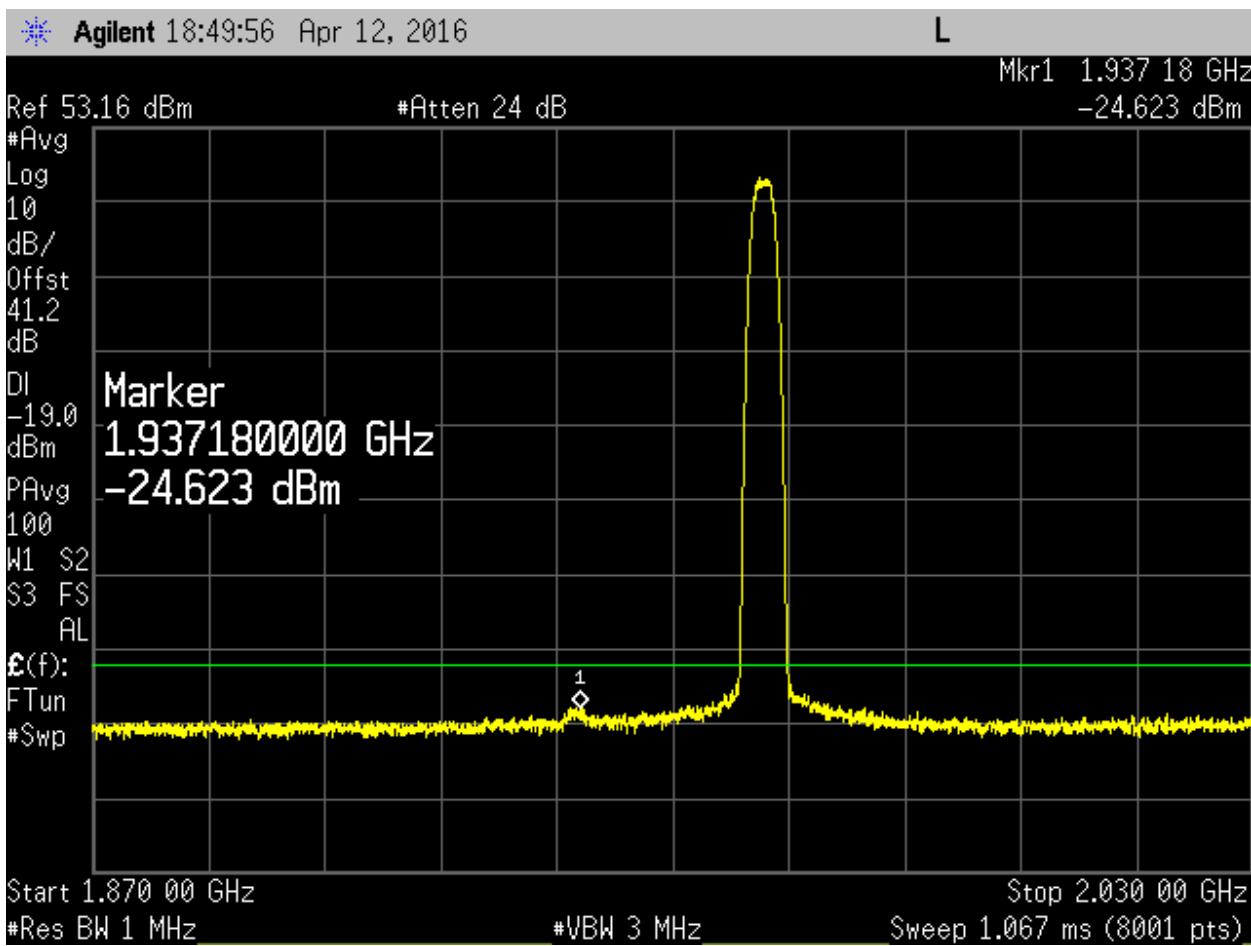
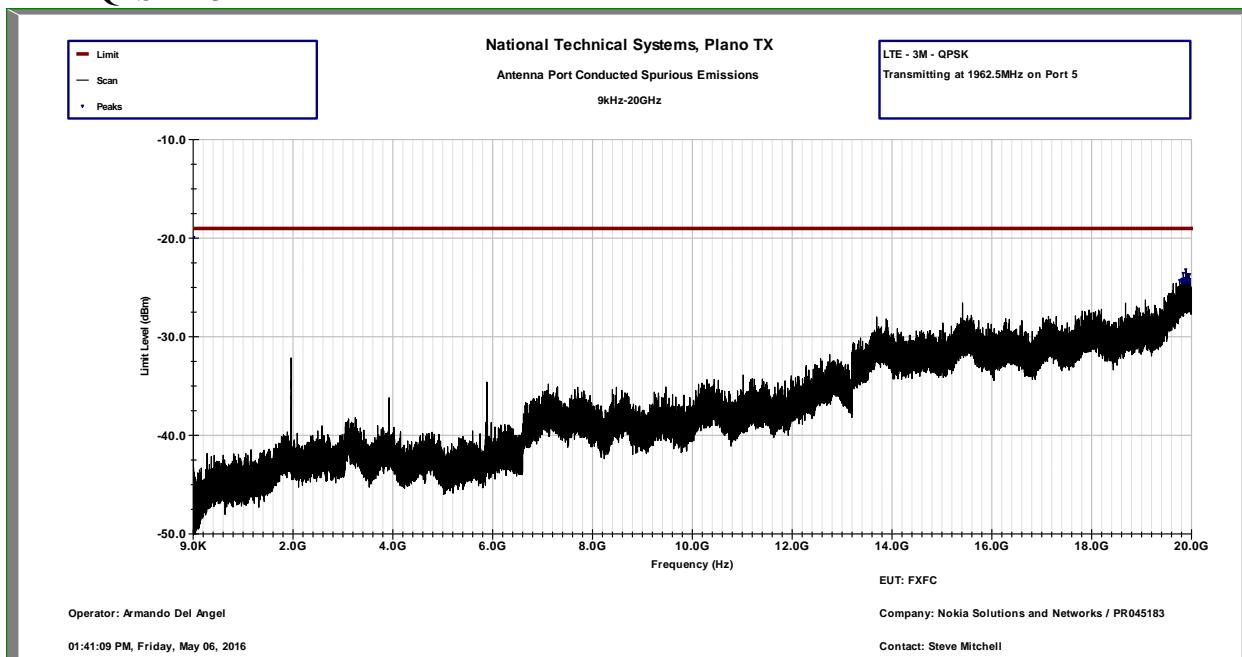
LTE – 16QAM – 1.4M



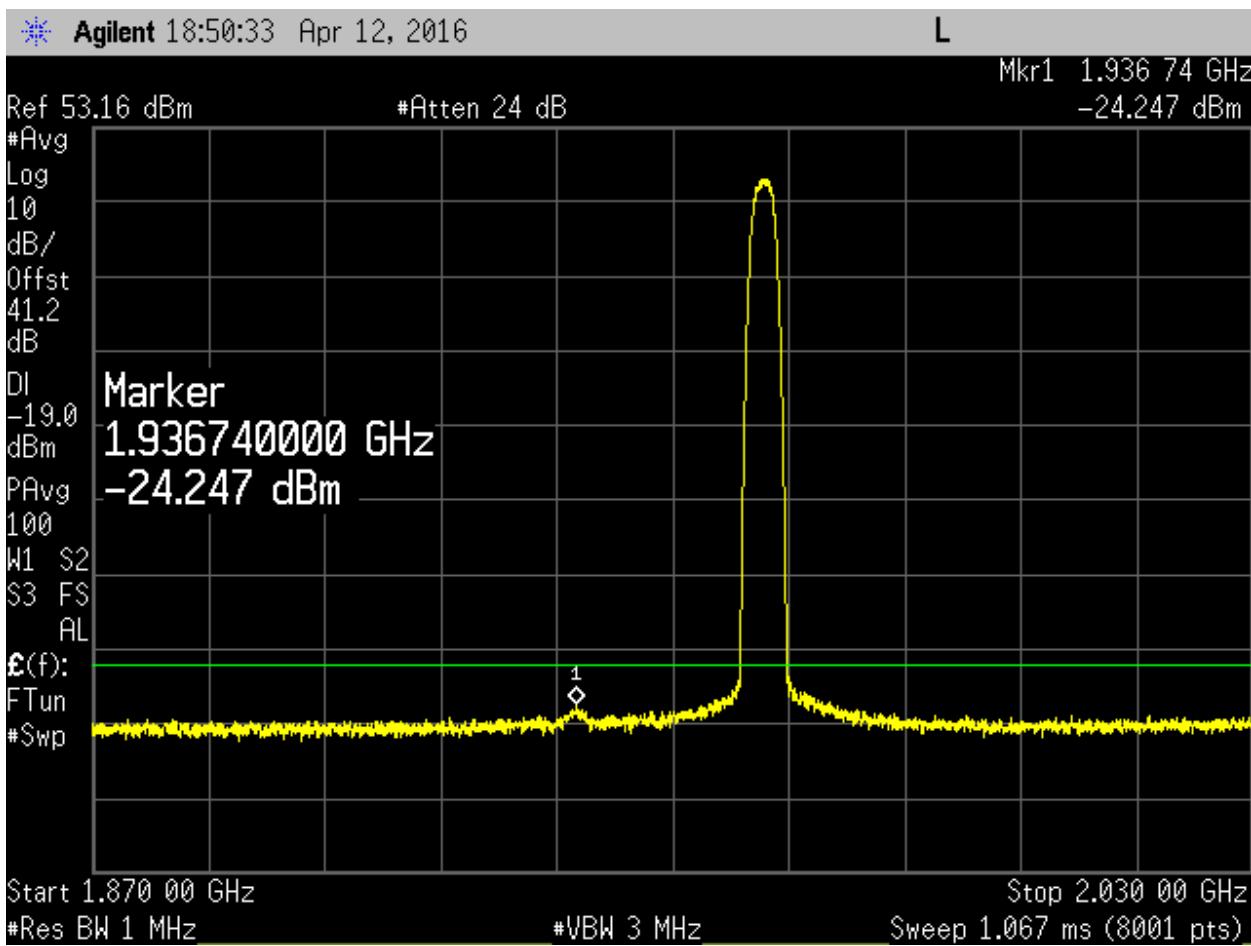
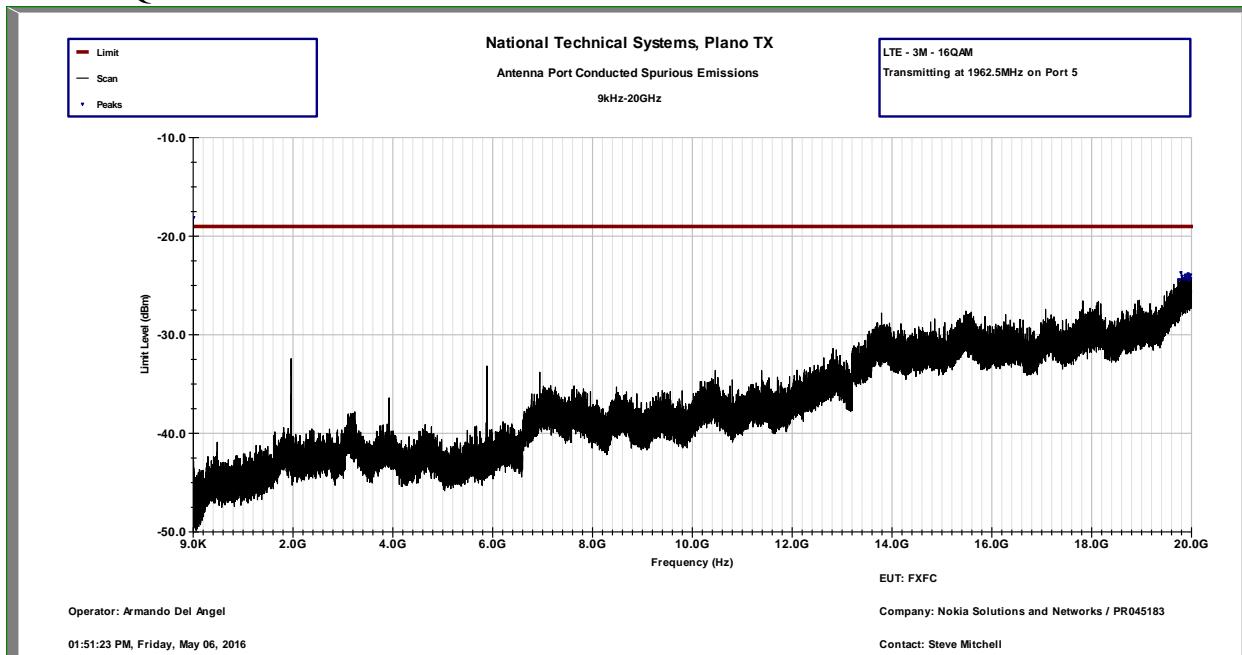
LTE – 64QAM – 1.4M



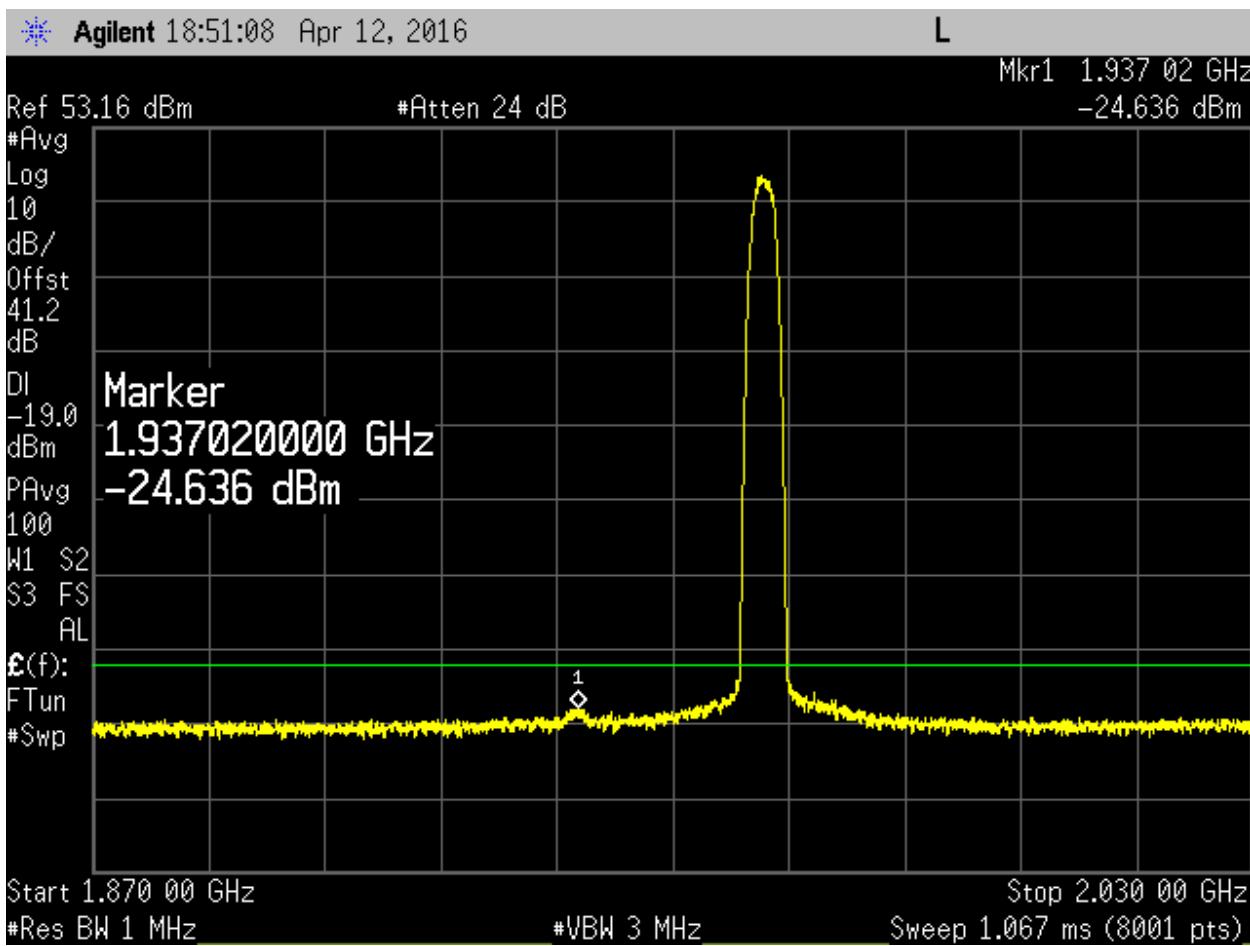
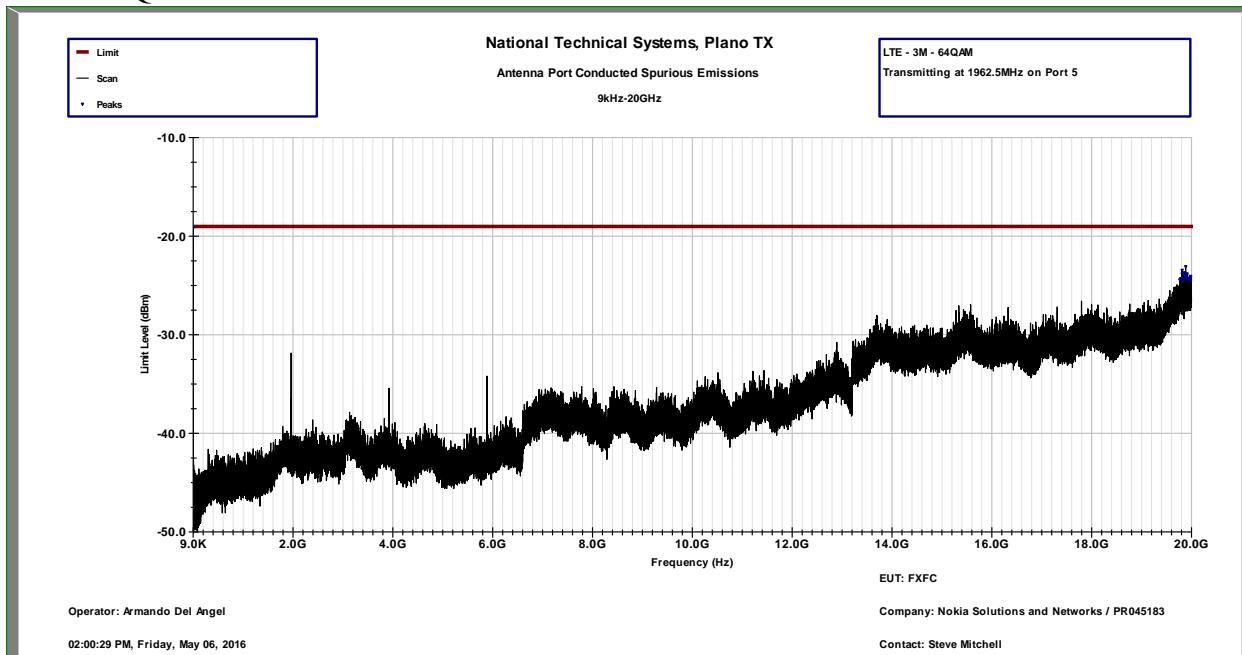
LTE – QPSK – 3M



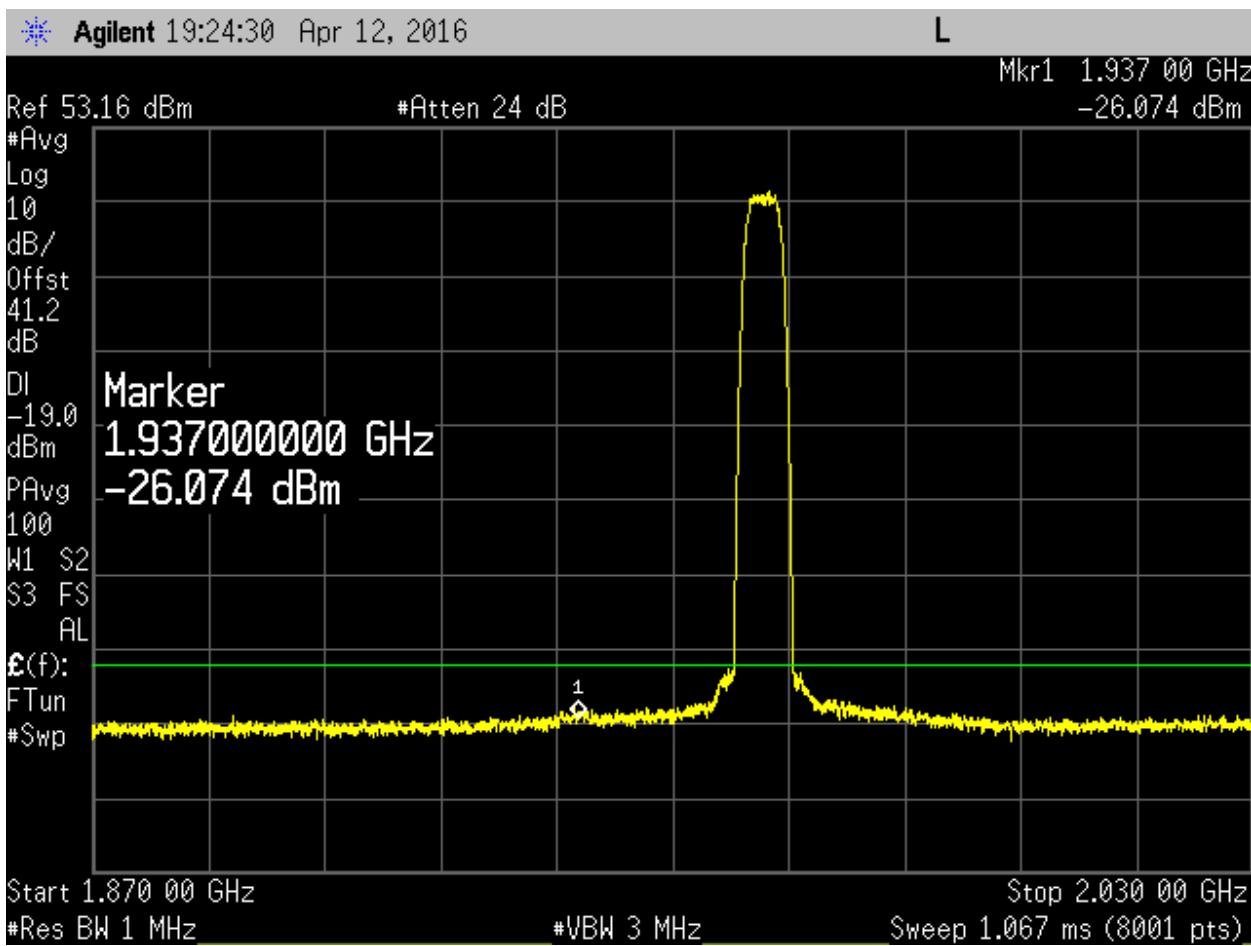
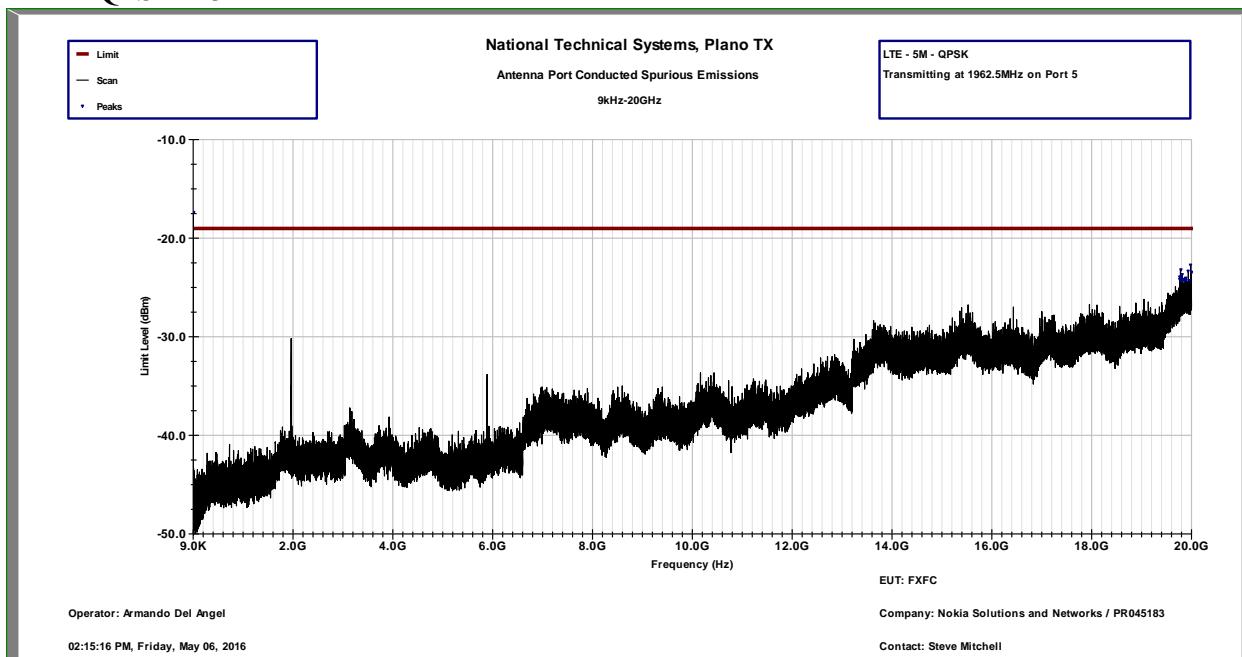
LTE – 16QAM – 3M



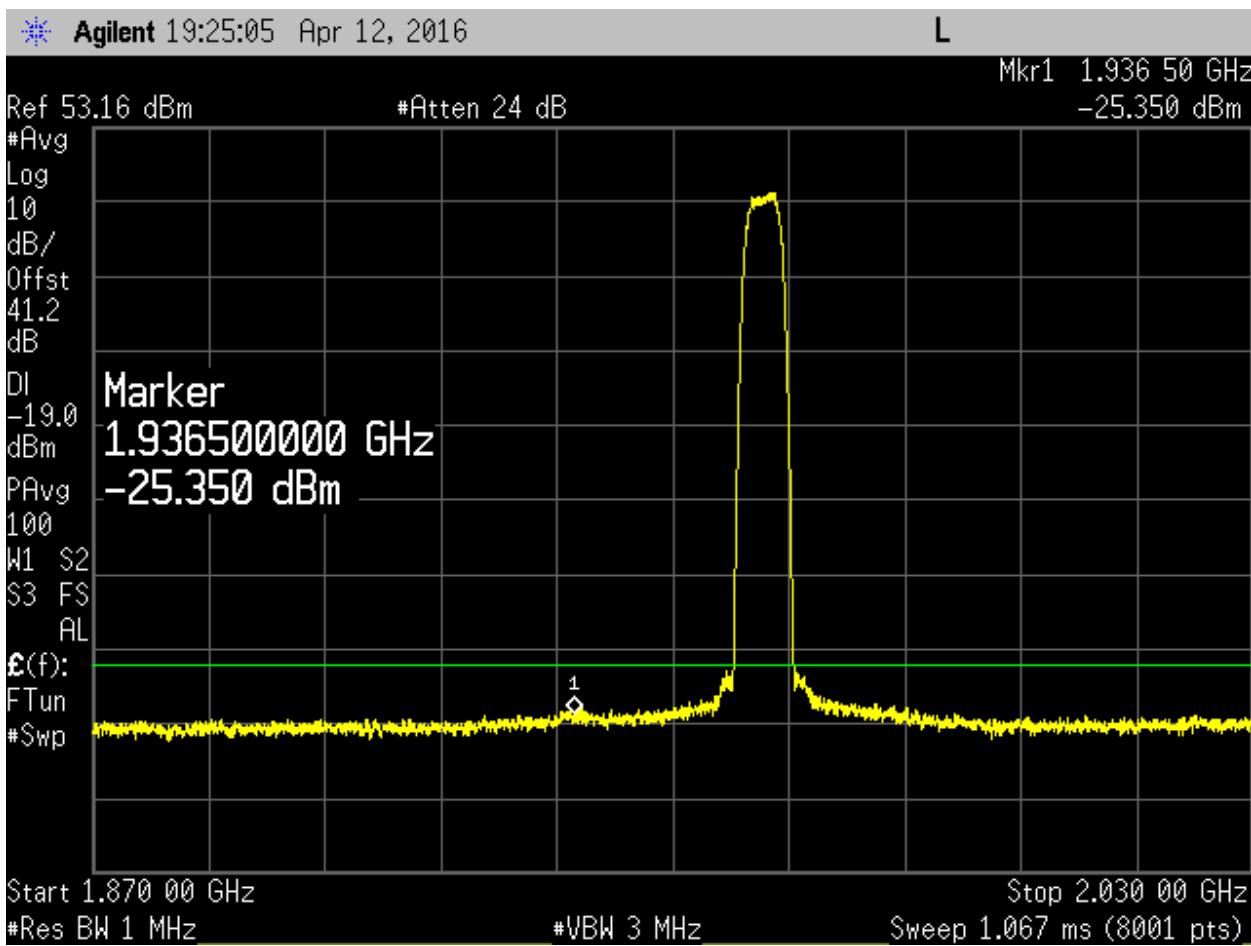
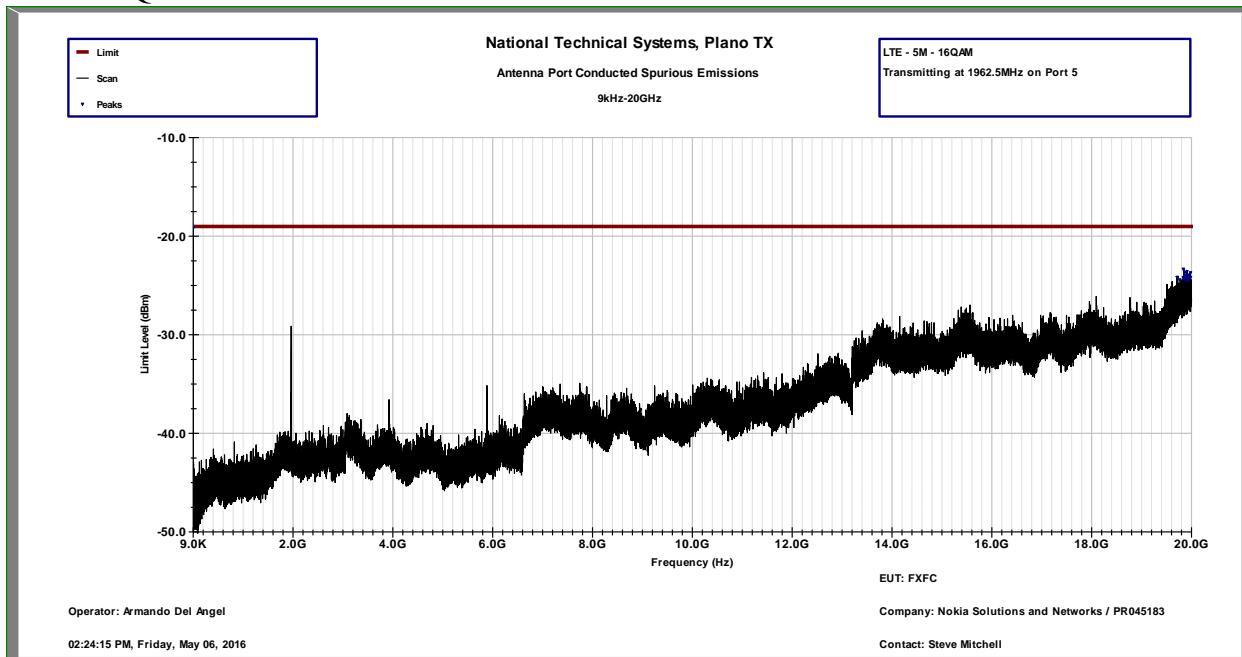
LTE – 64QAM – 3M



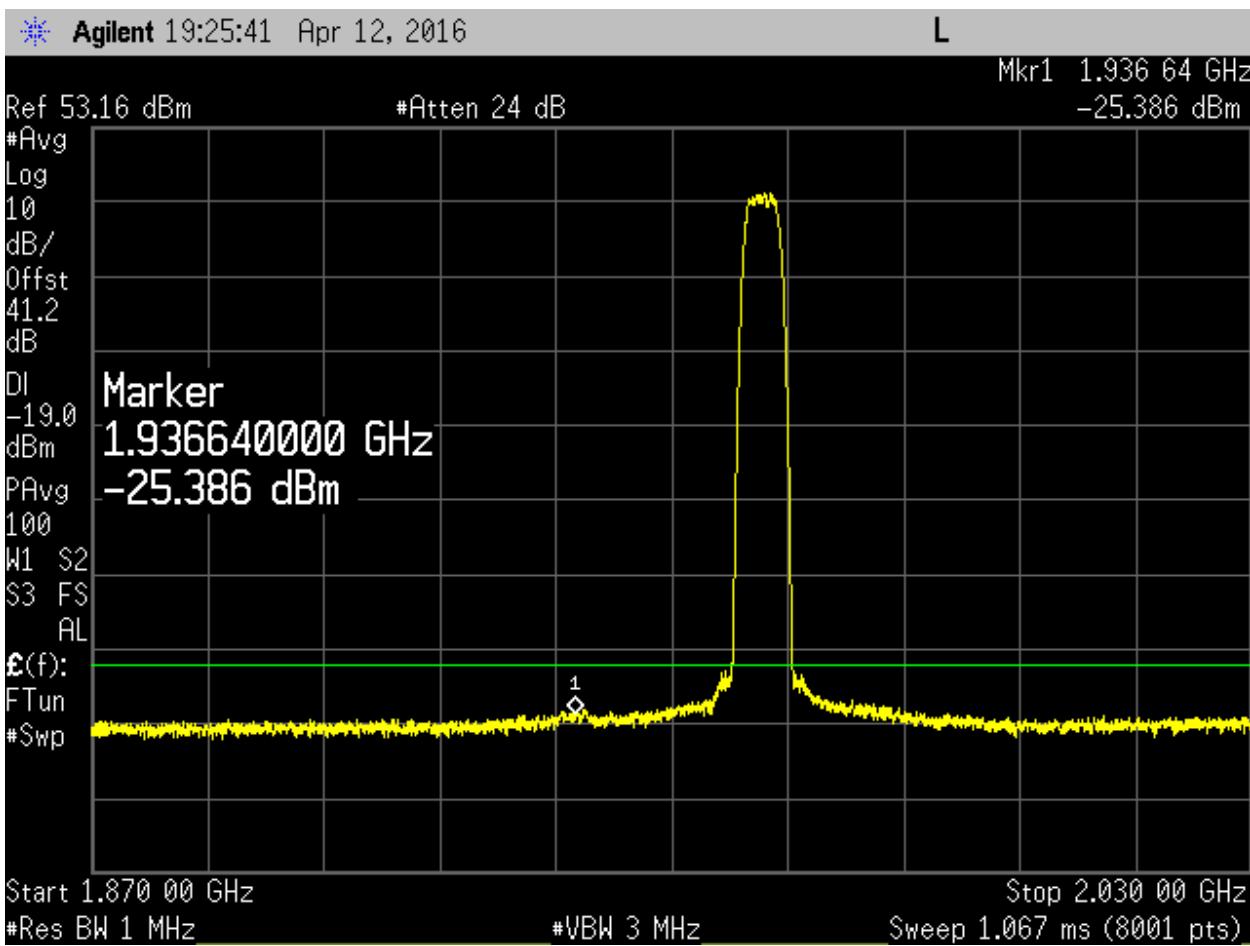
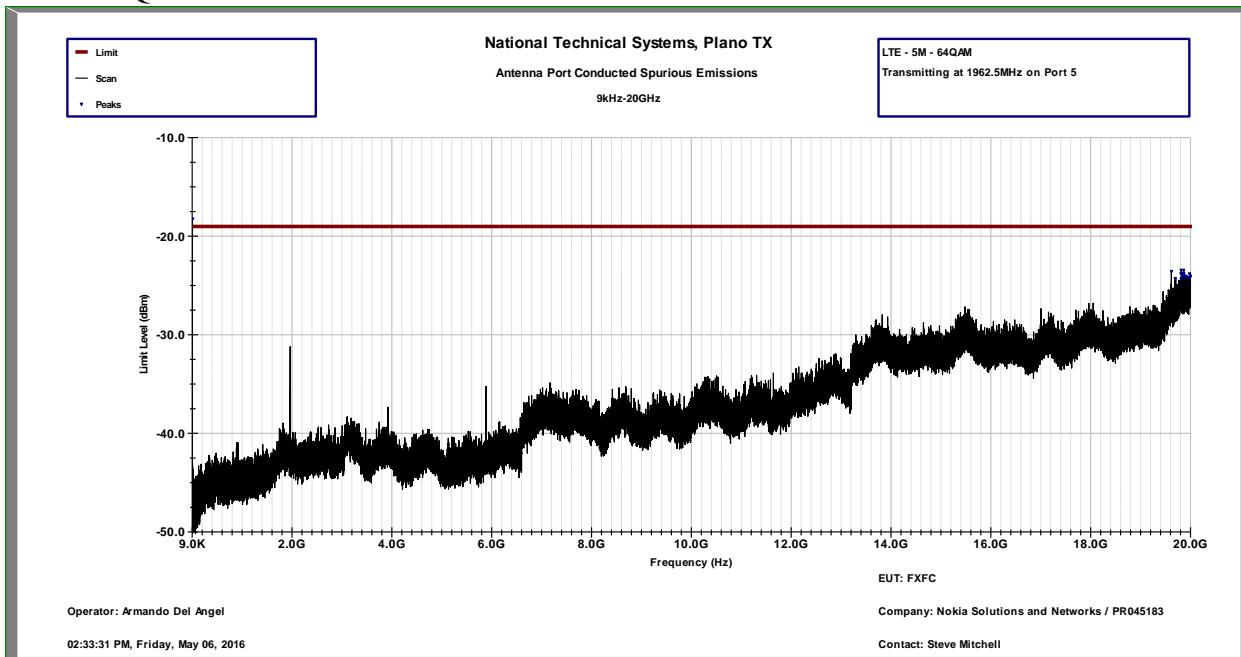
LTE – QPSK – 5M



LTE – 16QAM – 5M



LTE – 64QAM – 5M



LTE – QPSK – 10M

