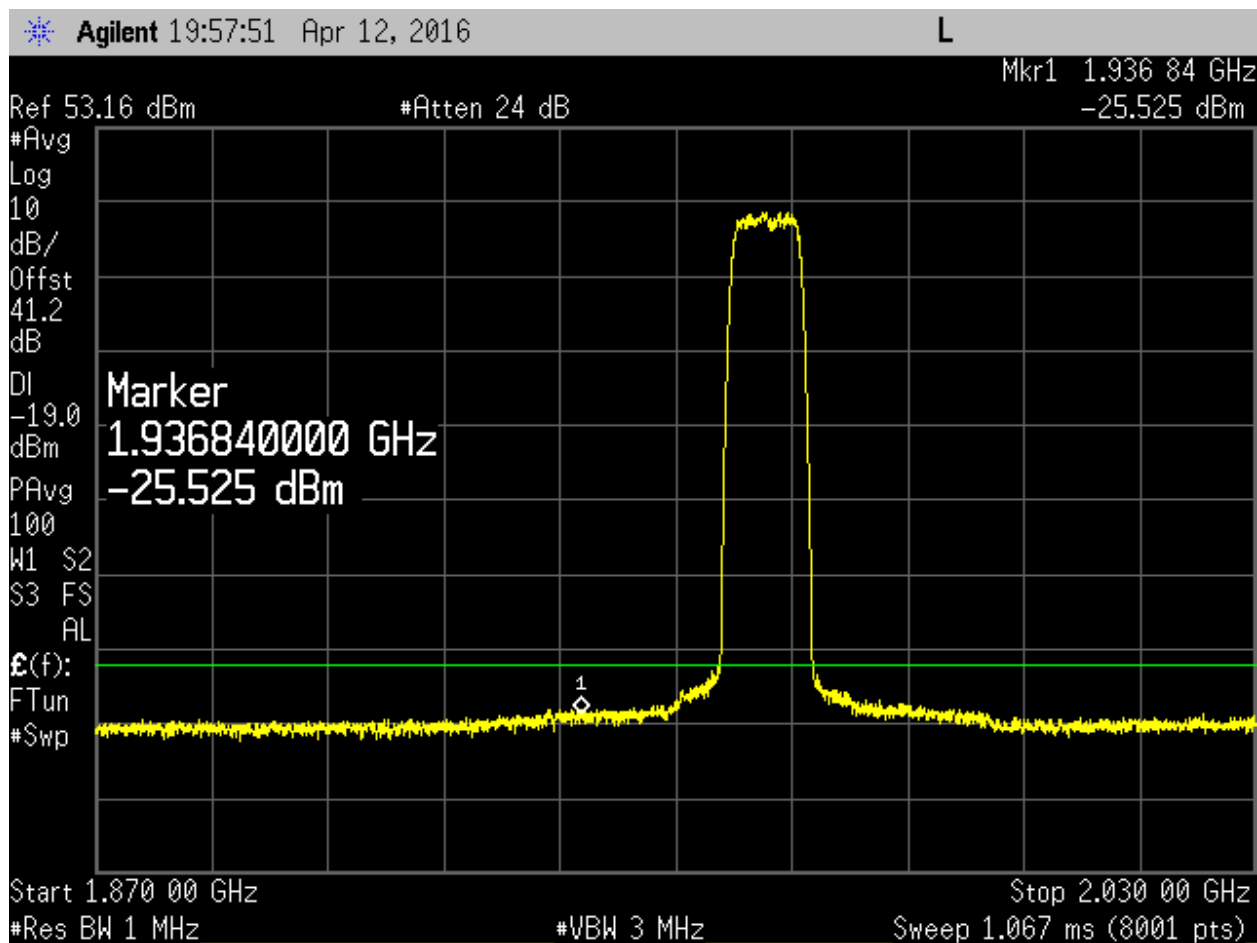
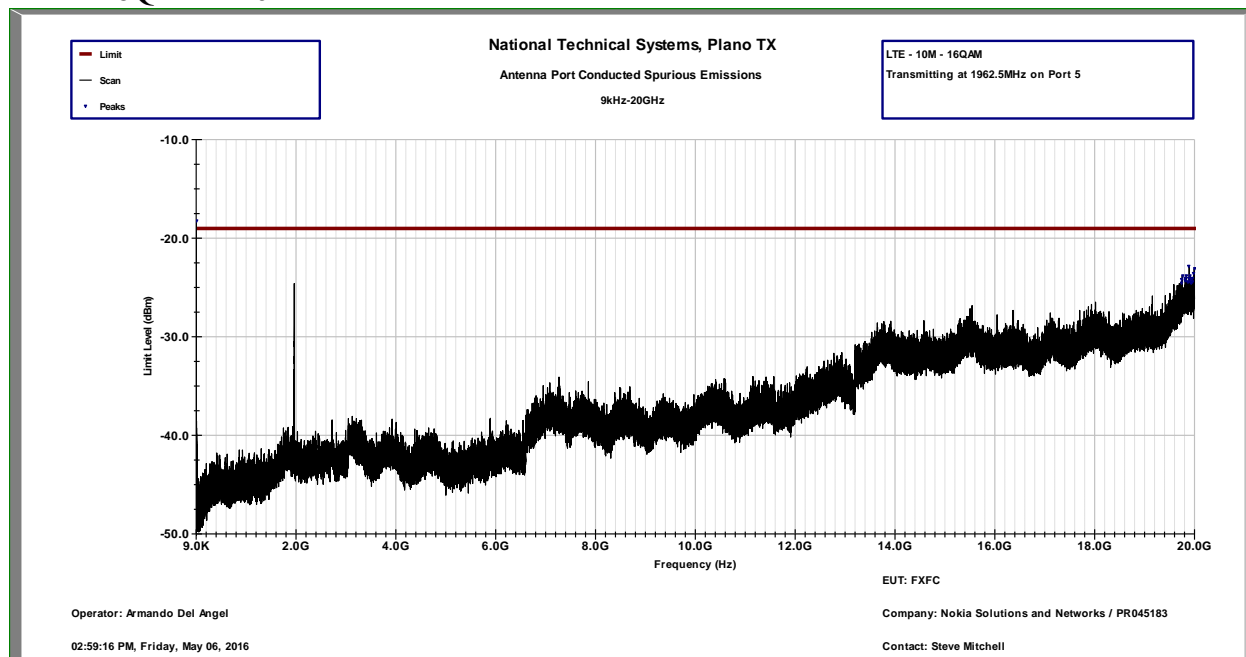
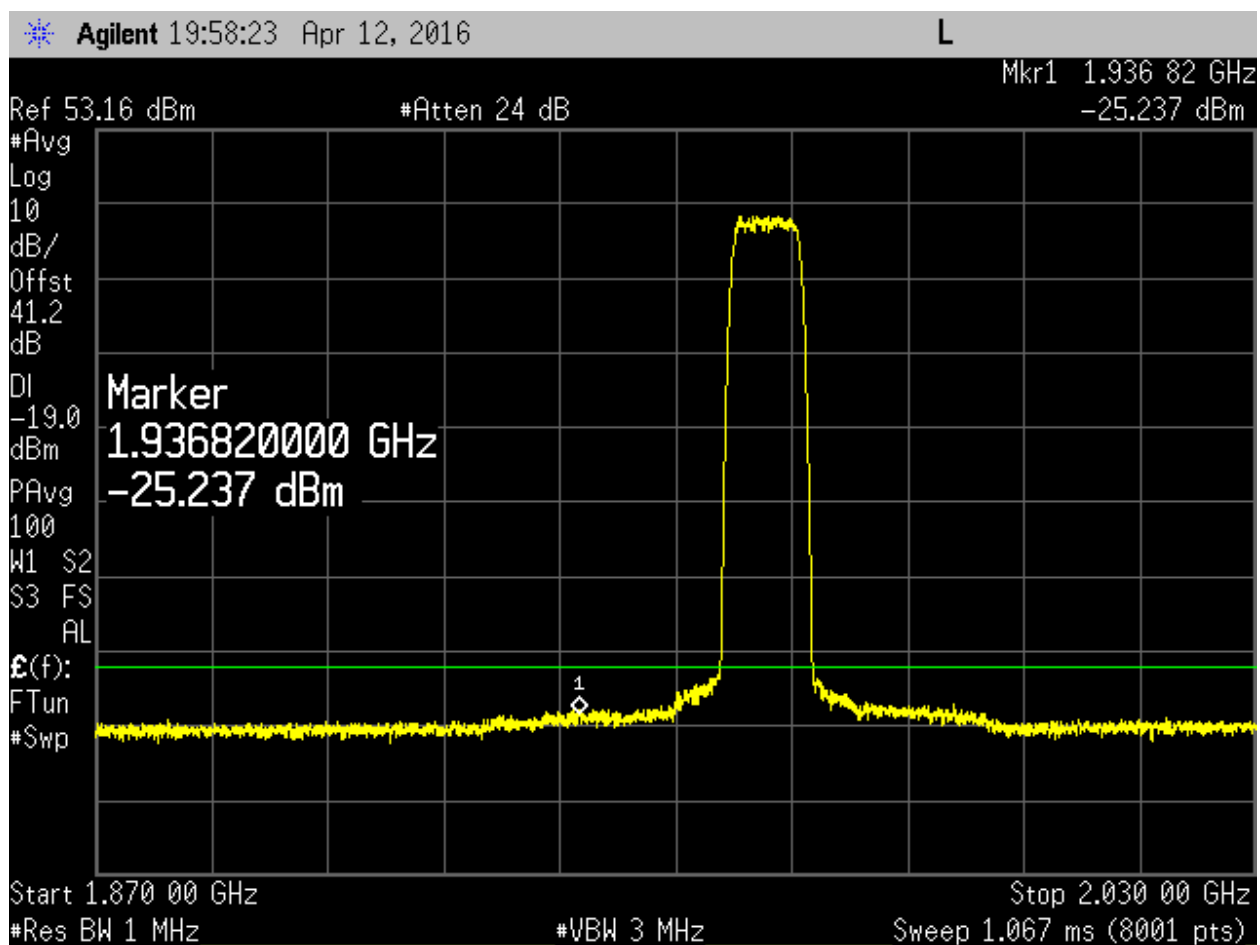
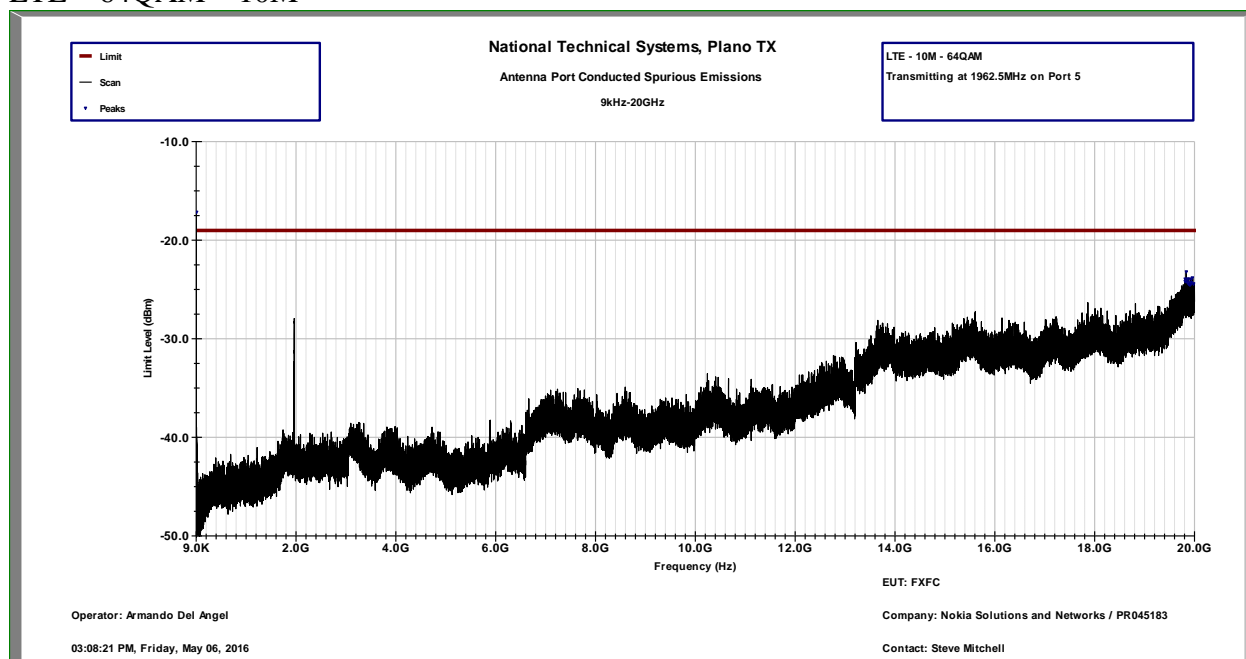


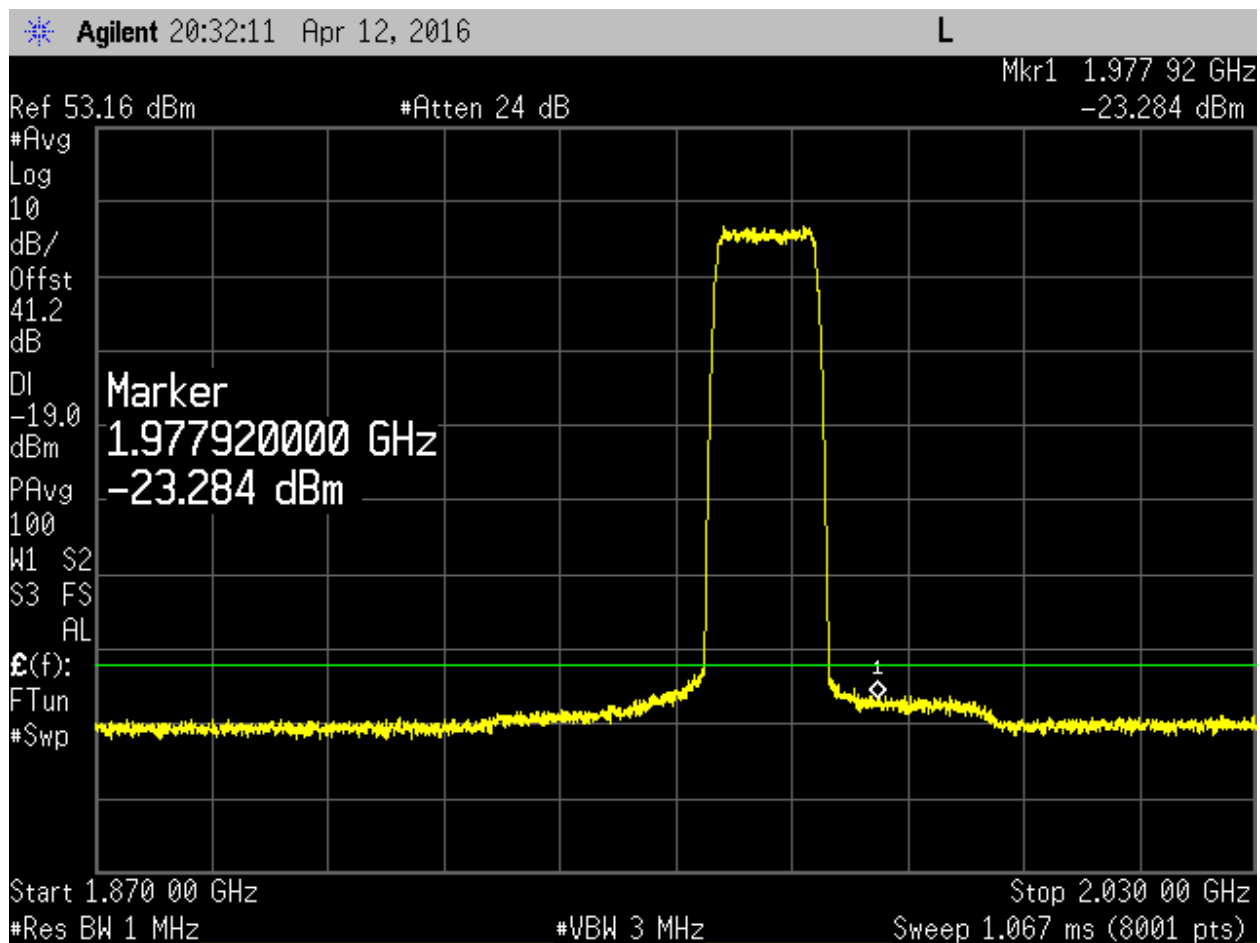
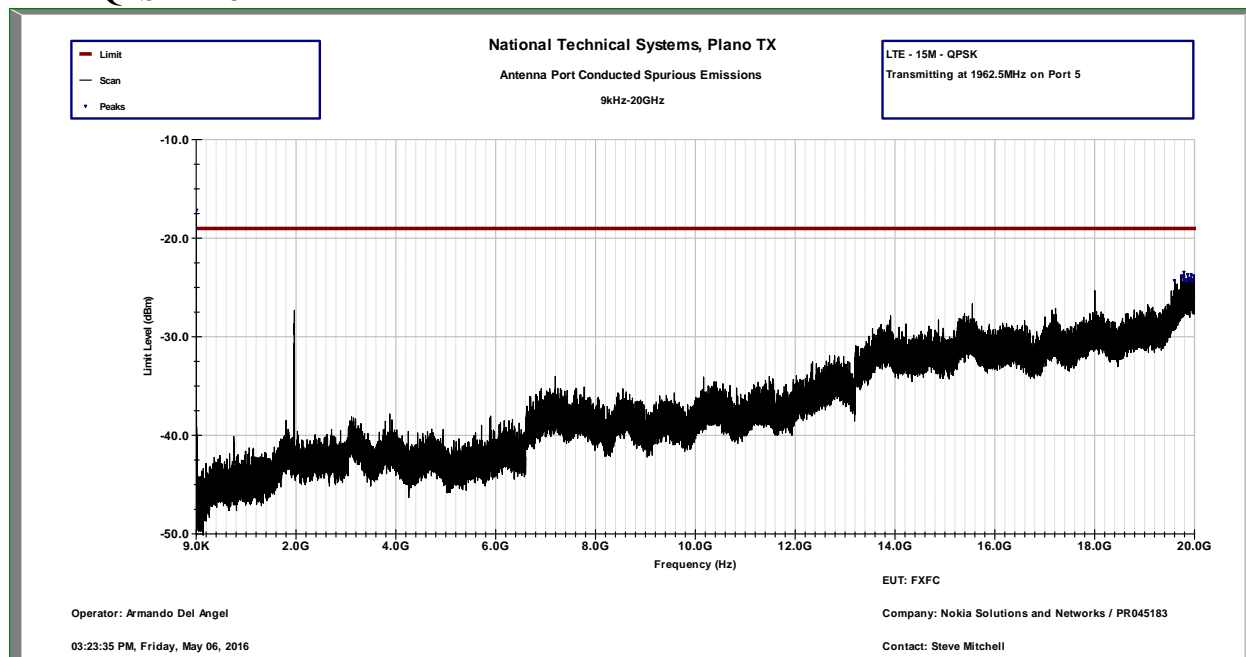
LTE – 16QAM – 10M



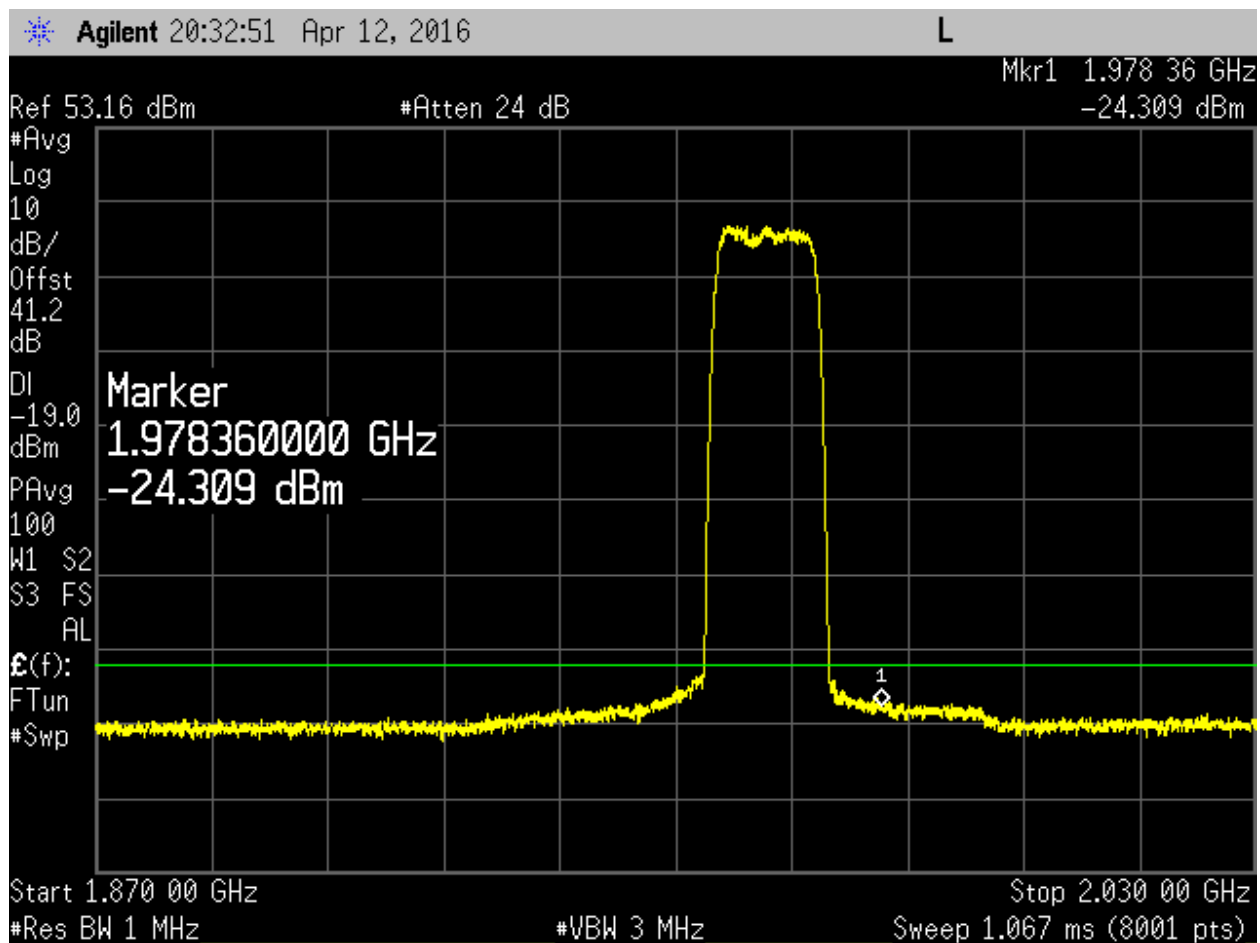
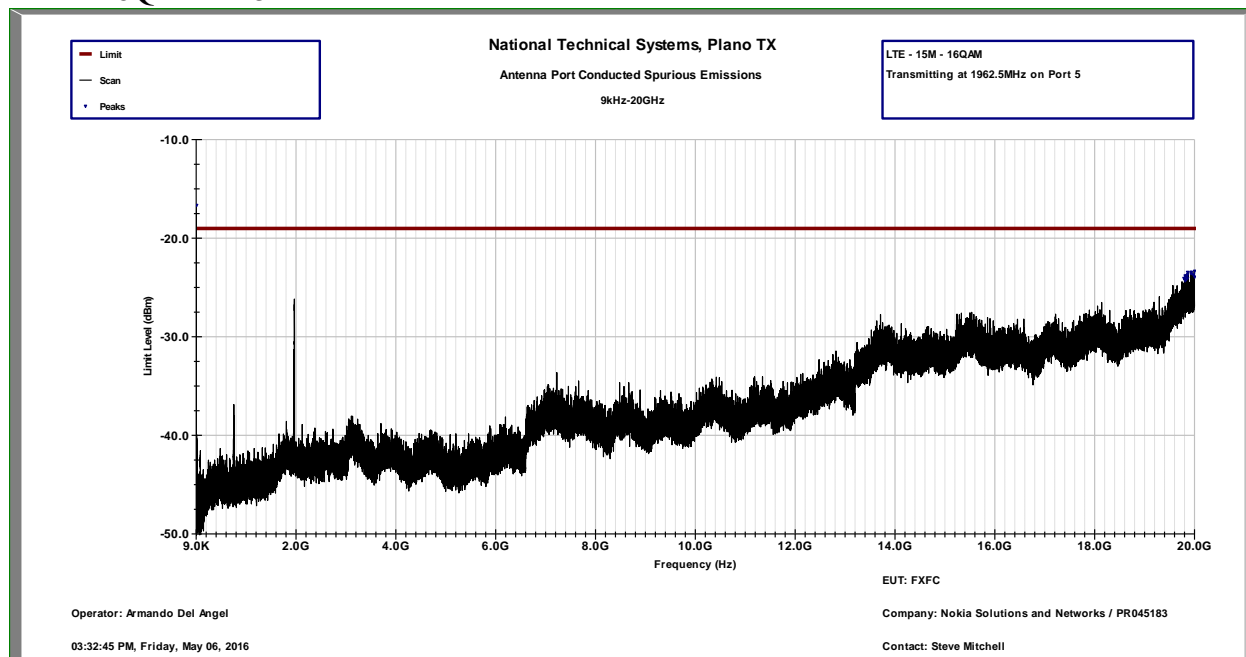
LTE – 64QAM – 10M



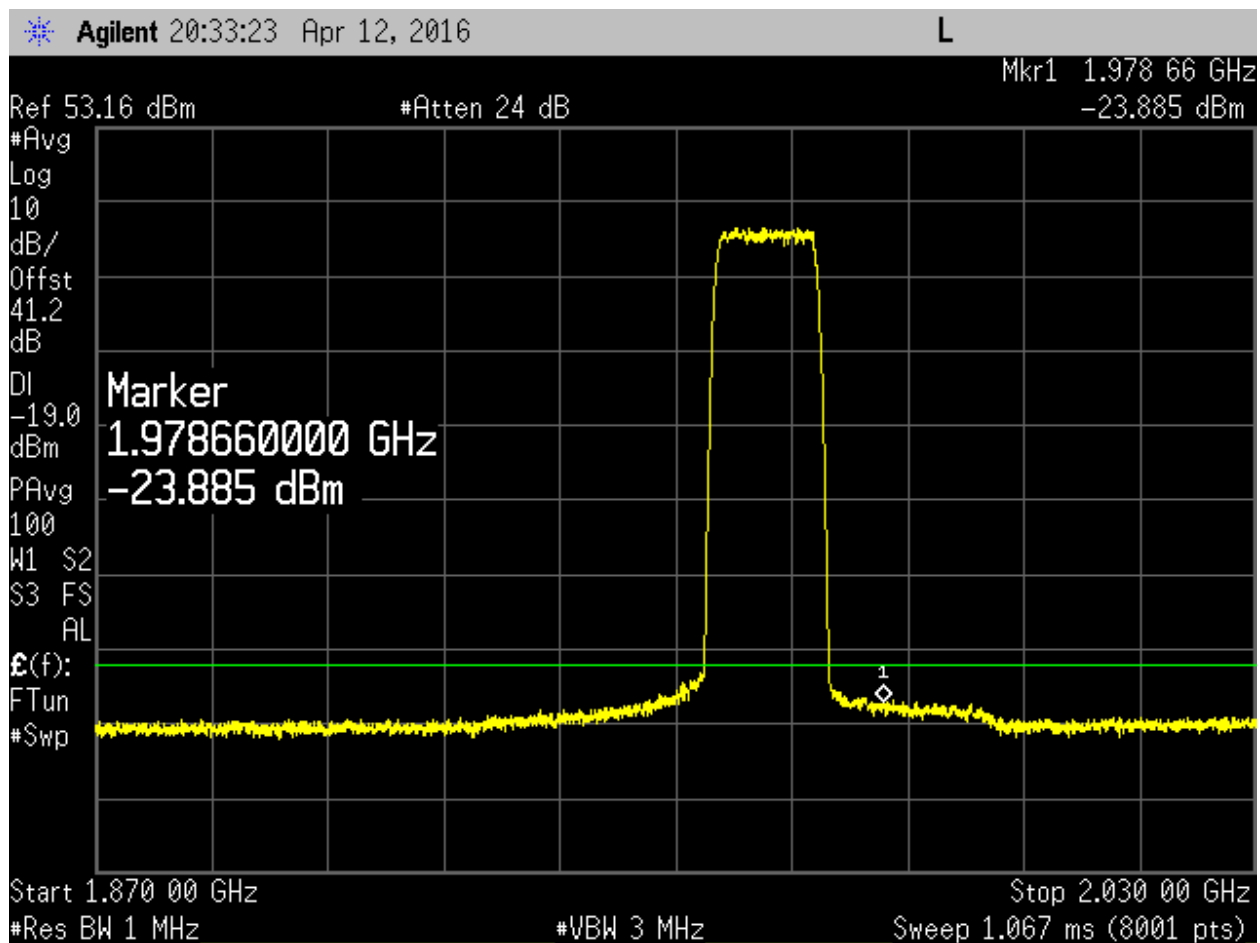
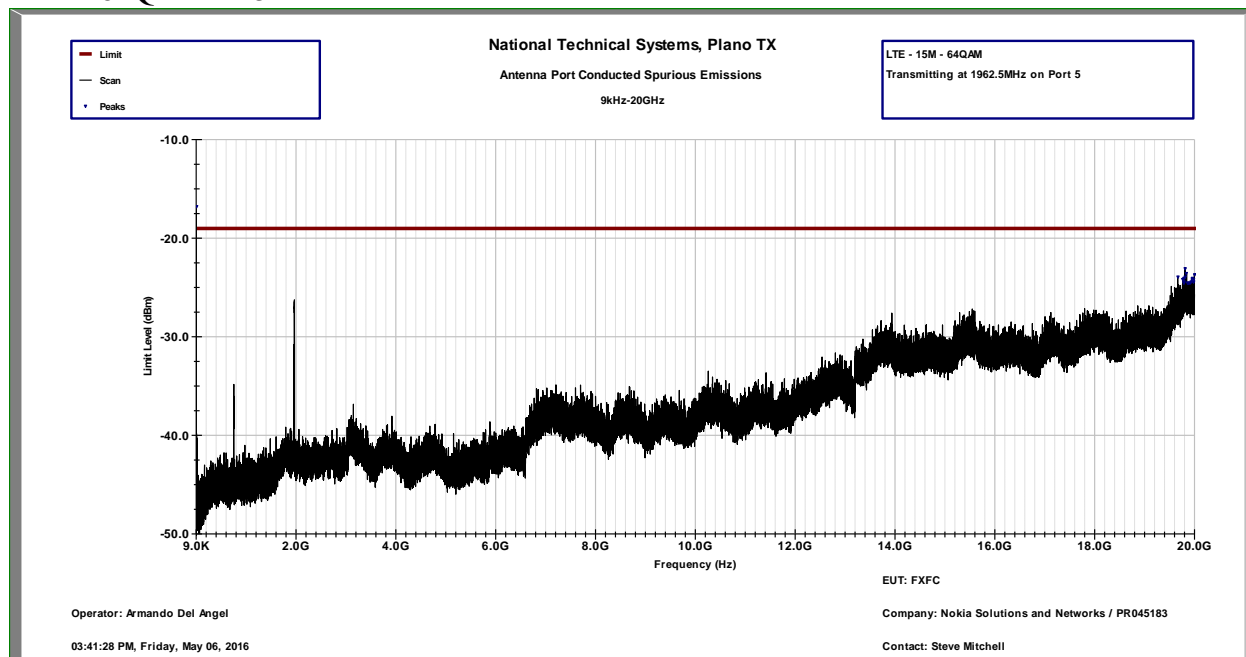
LTE – QPSK – 15M



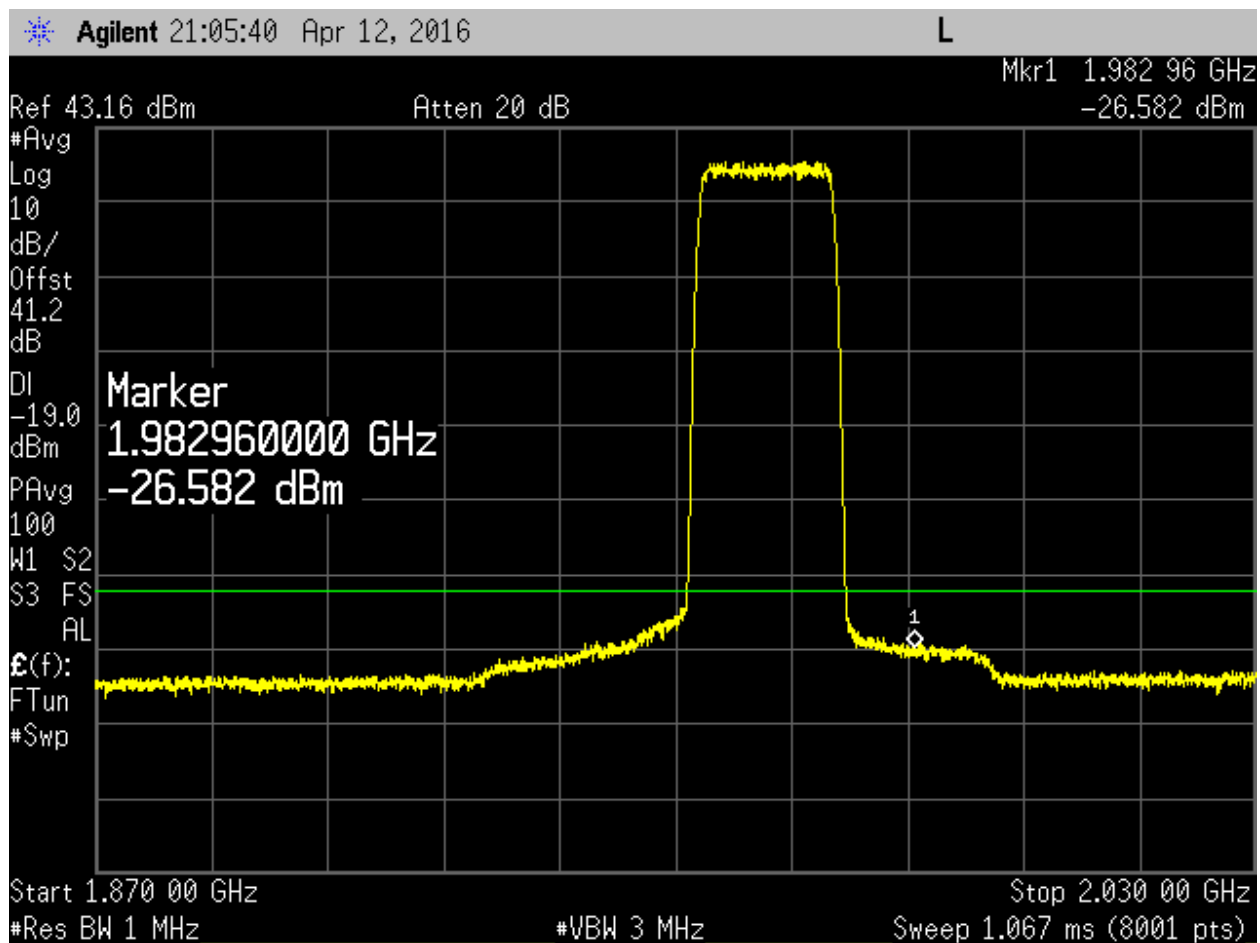
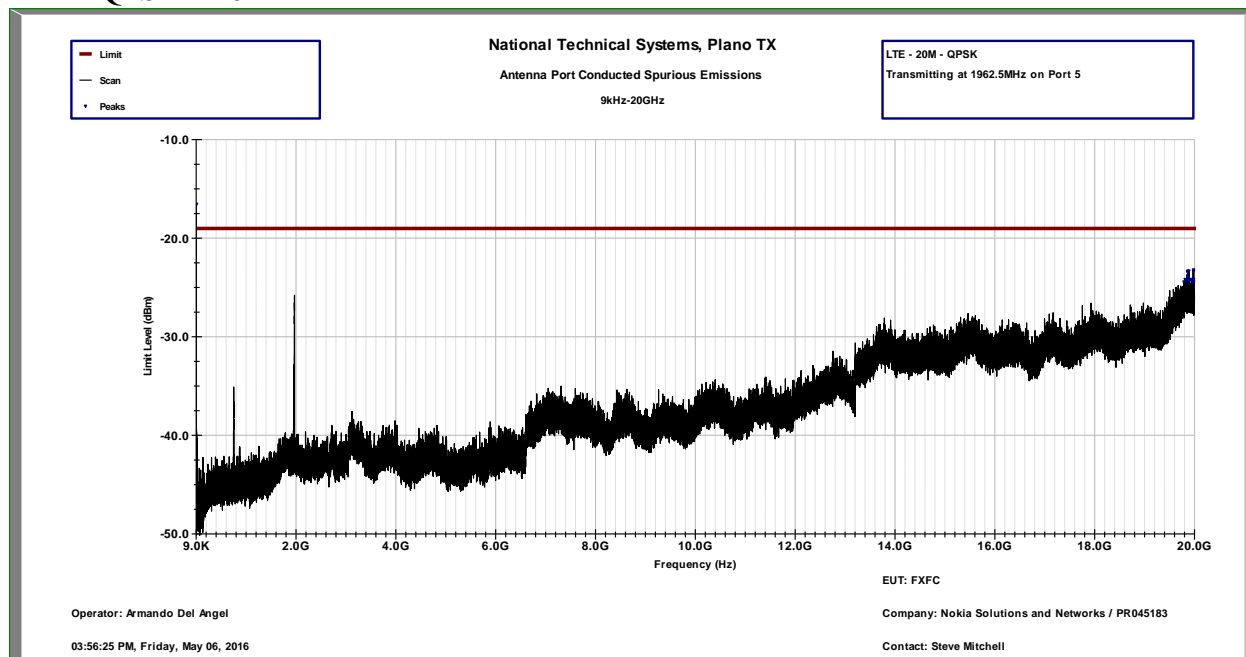
LTE – 16QAM – 15M



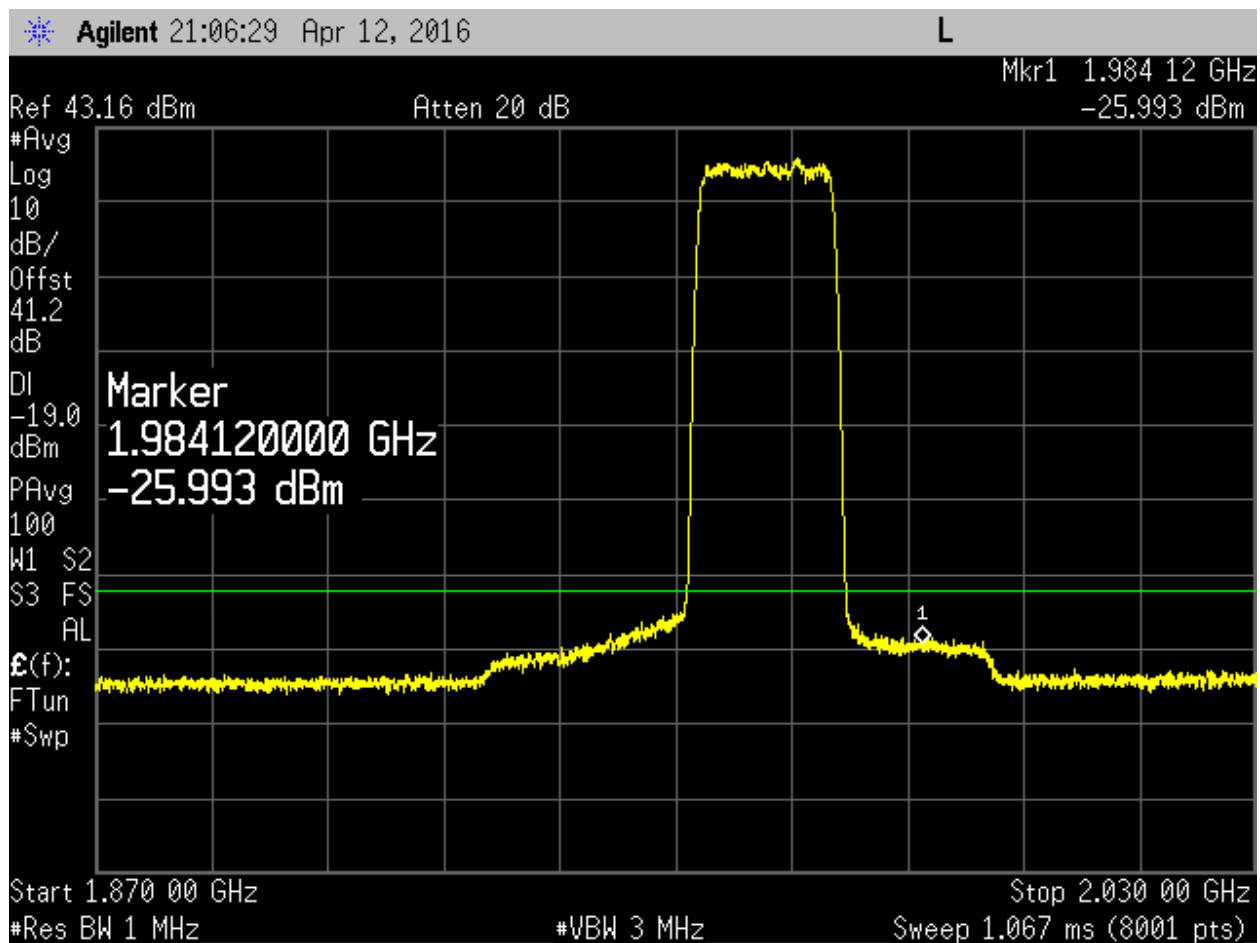
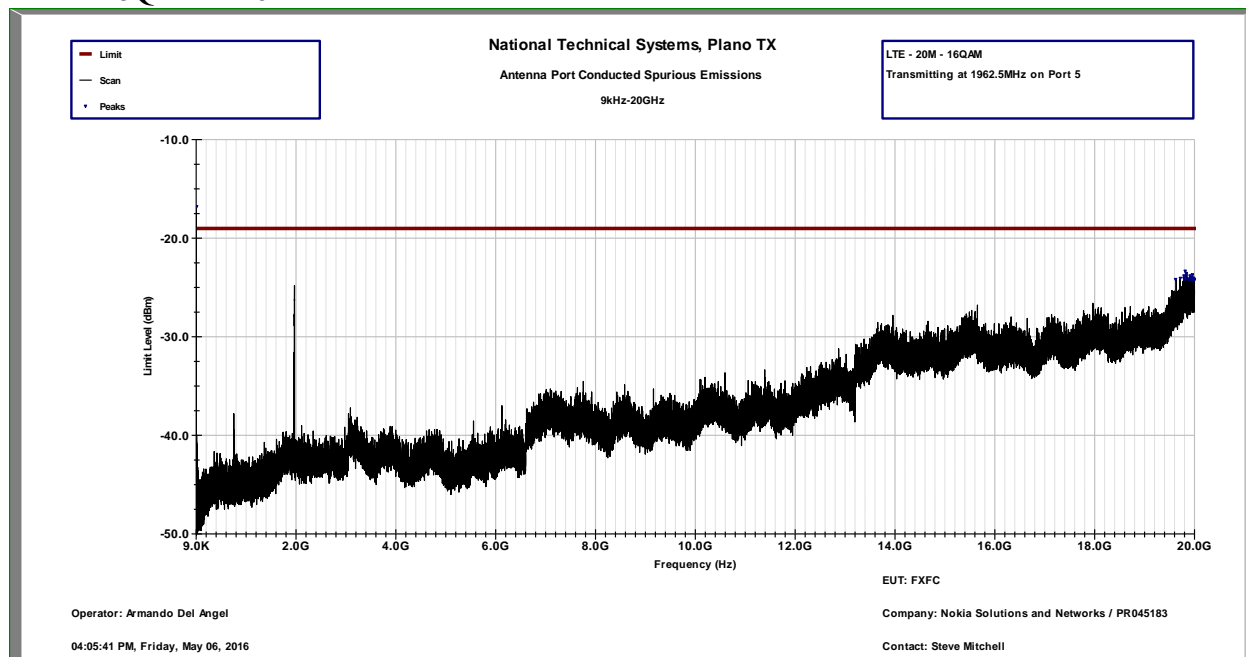
LTE – 64QAM – 15M



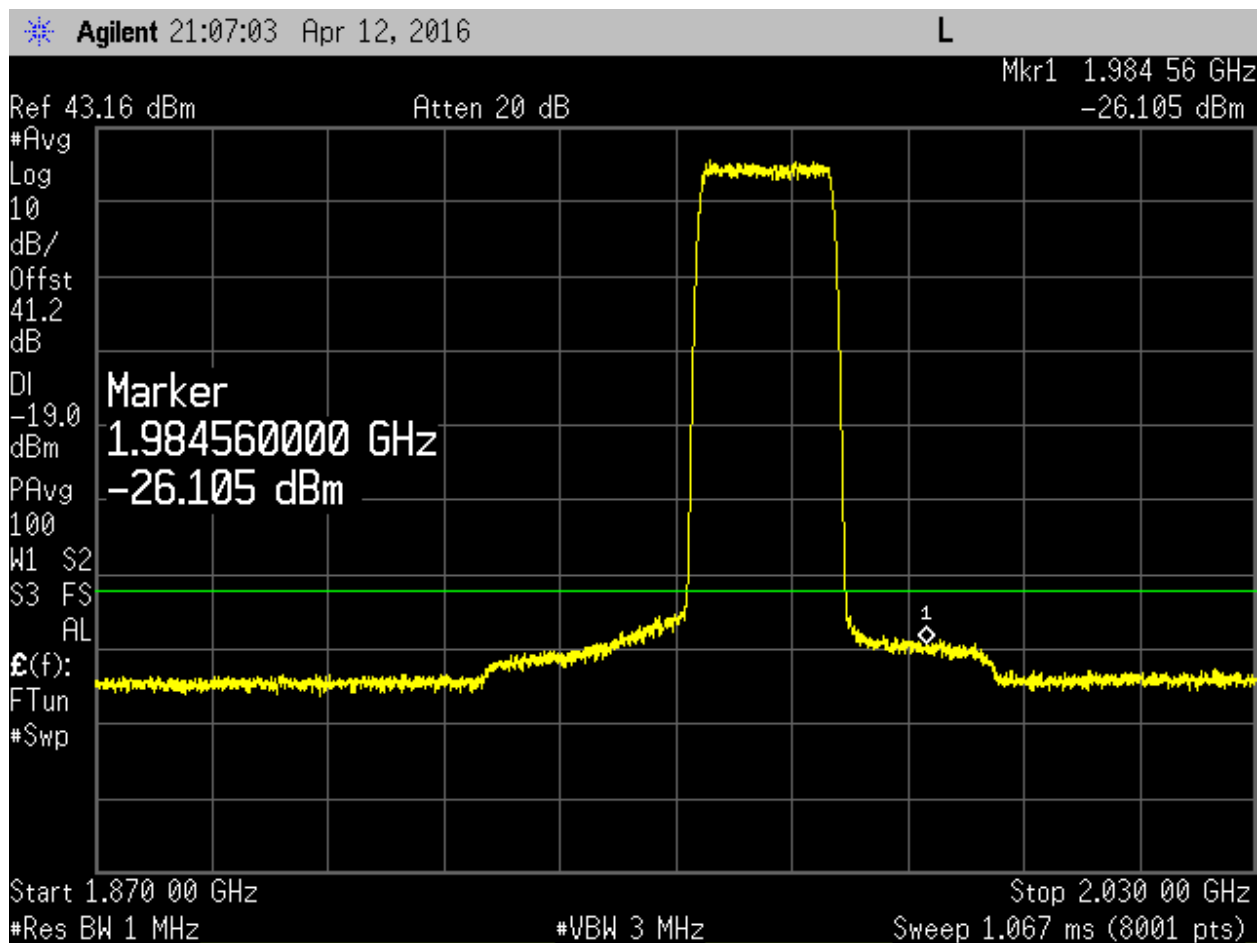
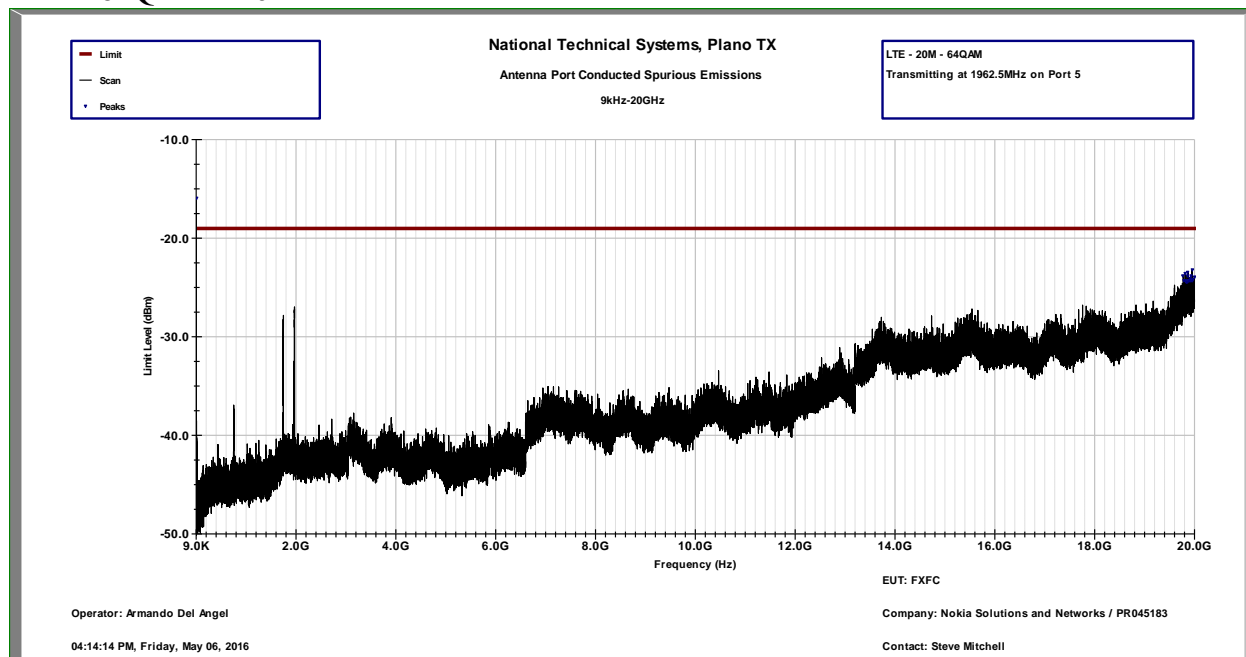
LTE – QPSK – 20M



LTE – 16QAM – 20M



LTE – 64QAM – 20M



Transmitter Radiated Spurious Emissions

Based on antenna port conducted spurious emissions tests results, preliminary scans for radiated spurious emissions were performed in 30MHz – 20GHz frequency range in the following configurations:

LTE: 1.4M - QPSK transmitting at Low (1930.7MHz), Mid (1962.5MHz), and High (1989.3MHz) channels on antennas 1, 3, and 5 respectively.

Final maximized peak radiated emissions were measured in these modes. During testing all antenna ports of the base station were terminated with 50ohm termination blocks and unit was transmitting on all of its ports at full power as described above.

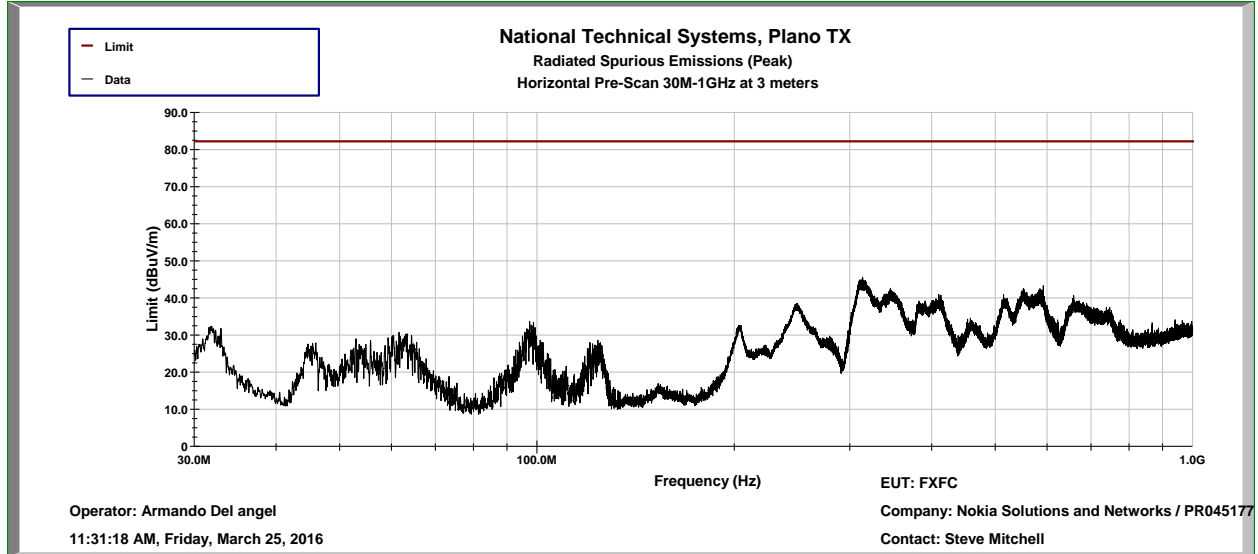
Frequency	Polarity	Antenna	Cable	PreAmp	Raw Peak	Corrected	Limit	Margin
MHz	H/V	dB	dB	dB	dBuV/m	dBuV/m	dBuV/m	dB
546.452	V	19.787	1.495	-36.391	61.719	46.61	82.2	-35.59
517.352	V	19.453	1.443	-36.481	61.325	45.74	82.2	-36.46
313.895	H	14.478	1.082	-37.127	66.949	45.382	82.2	-36.818
31.6247	V	17.323	0.265	-36.75	62.836	43.673	82.2	-38.527
592.042	H	20.977	1.582	-36.272	56.948	43.235	82.2	-38.965
61.816	V	7.391	0.431	-36.898	72.106	43.03	82.2	-39.17
346.123	H	15.822	1.139	-37.026	62.625	42.56	82.2	-39.64
310.572	V	14.411	1.077	-37.147	63.379	41.72	82.2	-40.48
410.119	H	16.898	1.26	-36.83	59.556	40.883	82.2	-41.317
514.879	H	19.495	1.44	-36.49	56.409	40.854	82.2	-41.346
9811.62	V	38.005	9.192	-39.642	44.575	52.13	82.2	-30.07
7849.12	H	36.683	7.054	-39.539	43.778	47.976	82.2	-34.224
5793.16	V	34.014	6.709	-39.948	39.458	40.232	82.2	-41.968
9946.71	V	38.164	9.547	-40.13	32.441	40.021	82.2	-42.179
3925.13	H	32.731	5.274	-41.664	43.482	39.823	82.2	-42.377
7956.77	V	36.787	7.117	-39.842	35.515	39.577	82.2	-42.623
9753.12	H	37.924	9.076	-39.621	32.003	39.383	82.2	-42.817
3977.17	H	32.639	5.269	-41.517	41.96	38.351	82.2	-43.849
5967.79	V	34.42	6.888	-40.198	36.195	37.305	82.2	-44.895
7771.85	H	36.565	7.029	-39.408	32.832	37.018	82.2	-45.182
5886.28	V	34.202	6.884	-40.211	32.574	33.449	82.2	-48.751
3861.5	V	32.799	5.193	-41.588	35.703	32.106	82.2	-50.094

Highest noise floor of the measurement instrumentation was more than 20dB below the 82.2dBuV/m at 3m limit (equivalent to -13dBm EIRP).

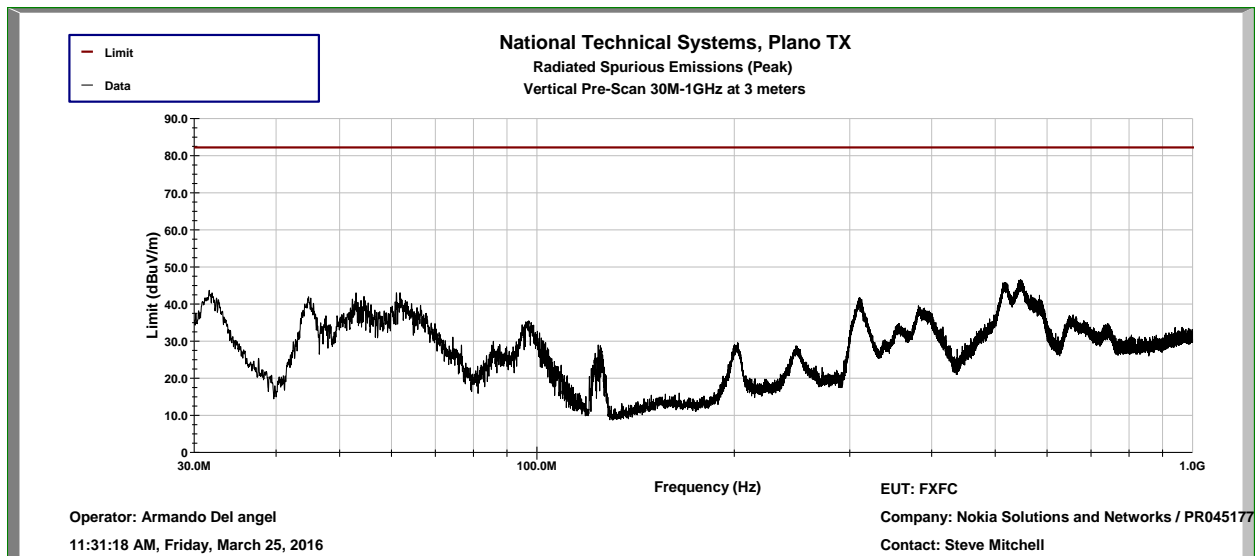
Since all maximized readings were more than 20dB below the 82.2dBuV/m at 3m limit (equivalent to -13dBm EIRP), substitution measurements were not performed.

TILE software was used for all prescans and plots included on the following pages.

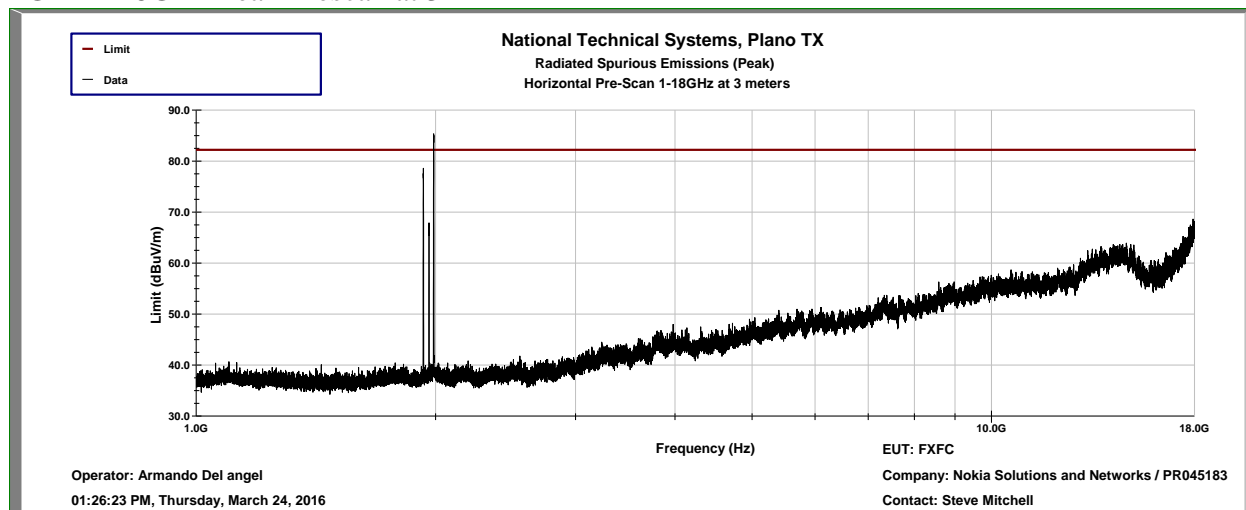
30MHz – 1GHz Peak Prescan at 3m – H



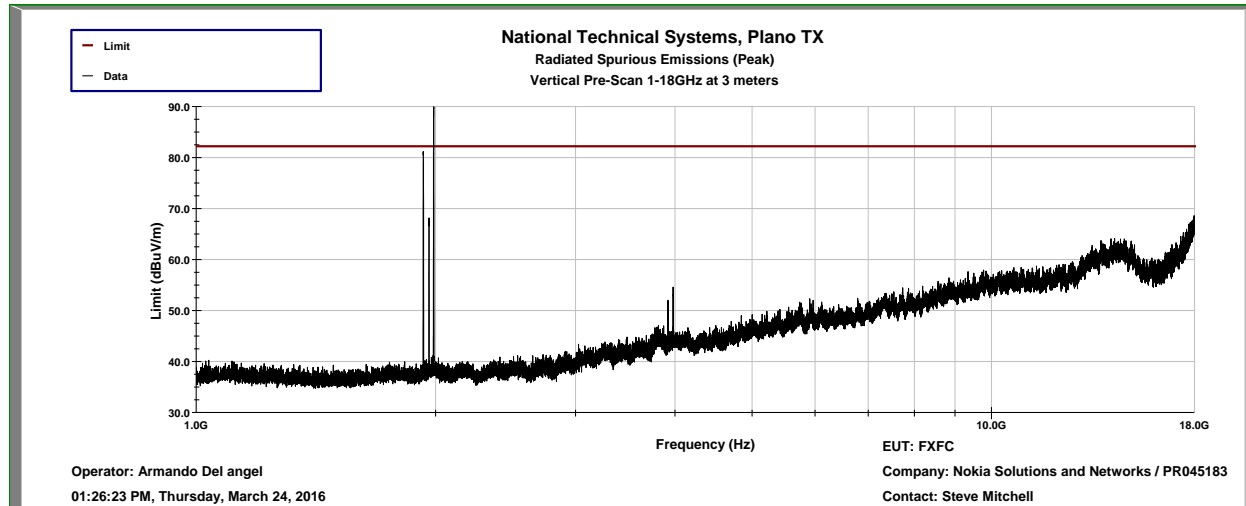
30MHz – 1GHz Peak Prescan at 3m – V



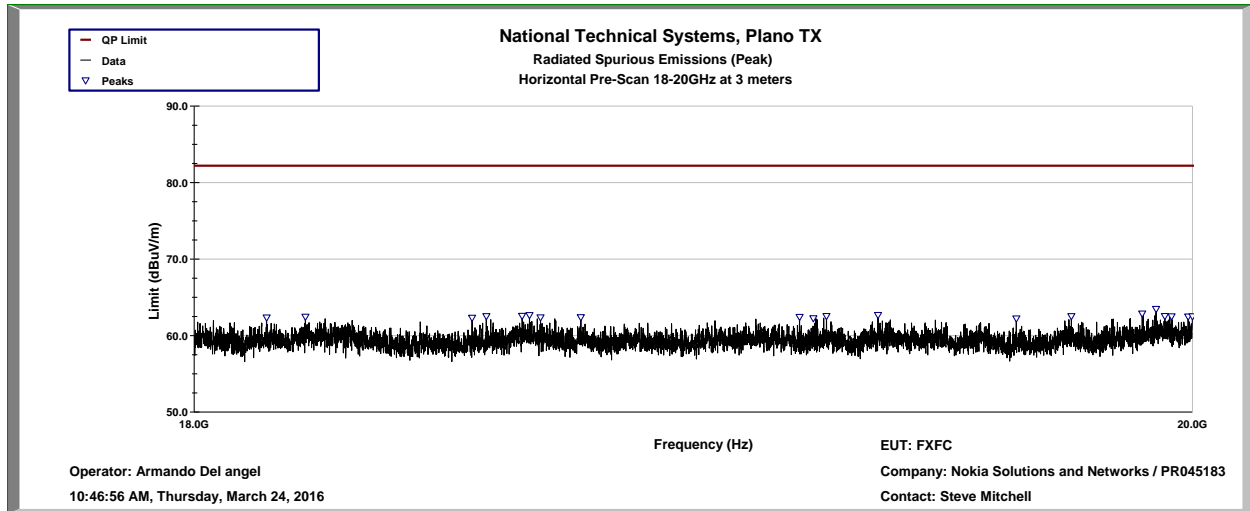
1GHz – 18GHz Peak Prescan at 3m – H



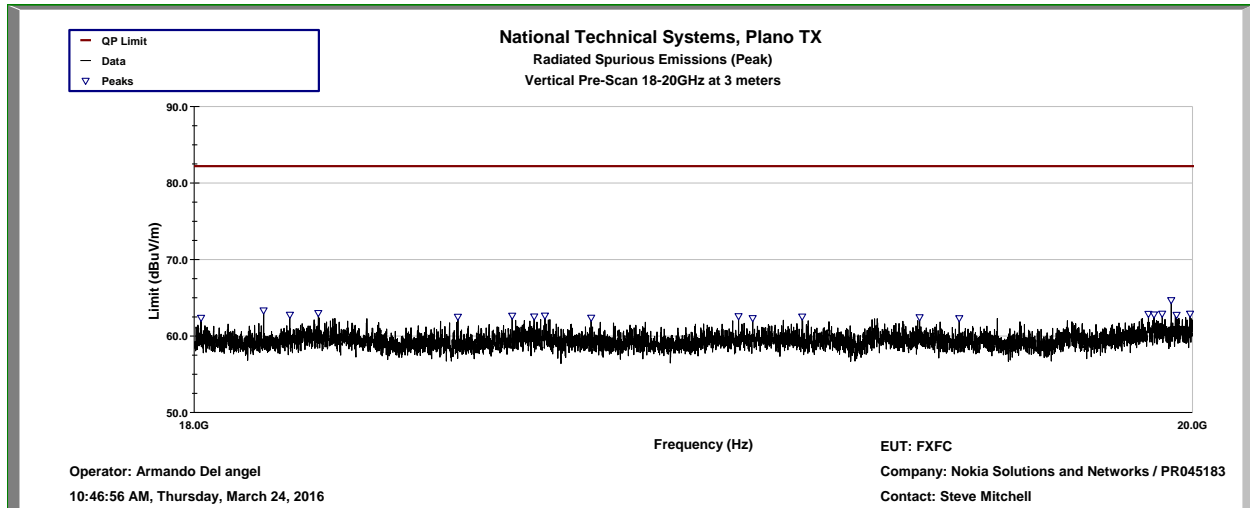
1GHz – 18GHz Peak Prescan at 3m – V



18GHz – 20GHz Peak Prescan at 3m – H



18GHz – 20GHz Peak Prescan at 3m – V



End of Report

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