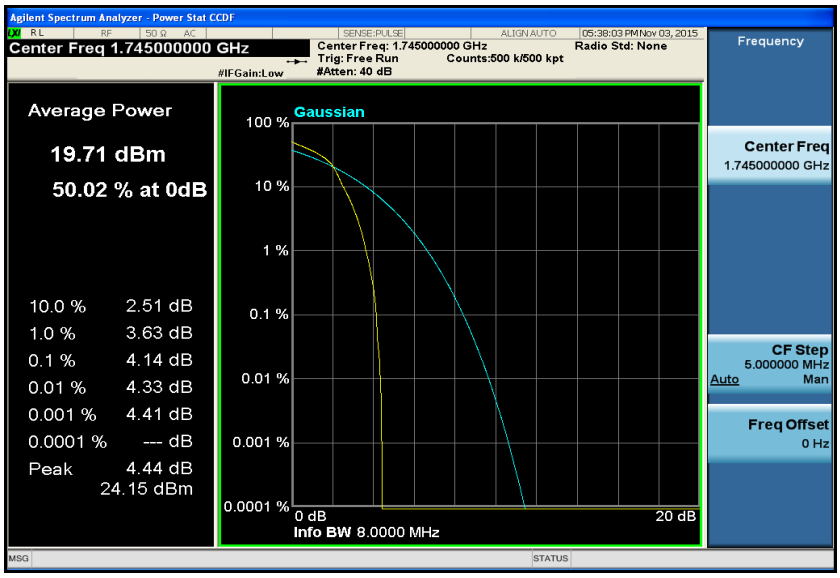
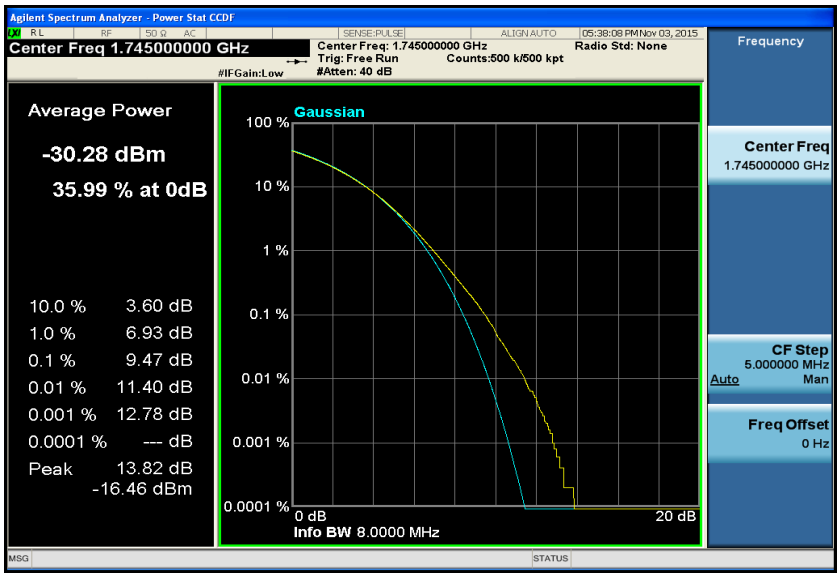
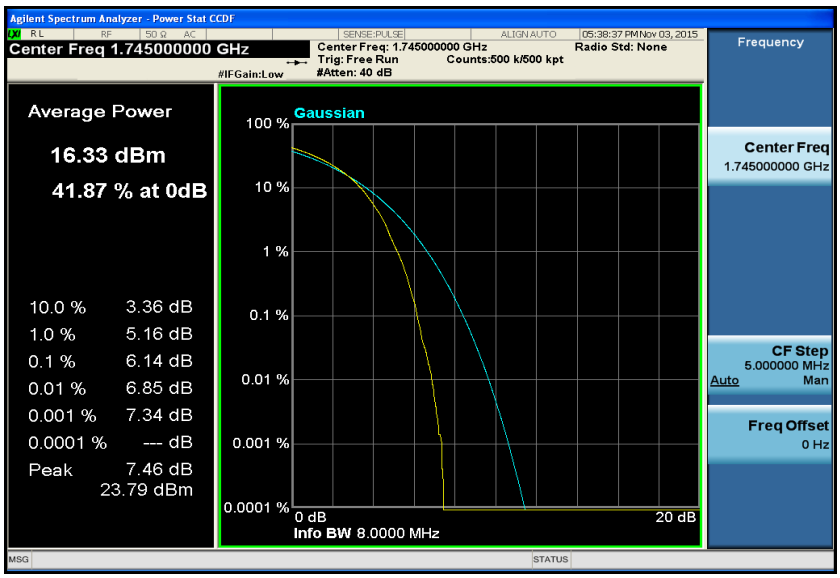
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



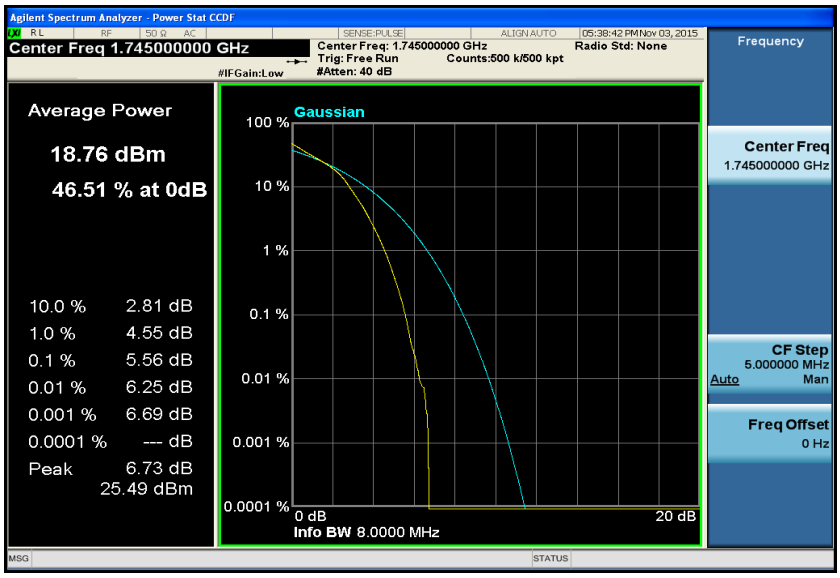
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



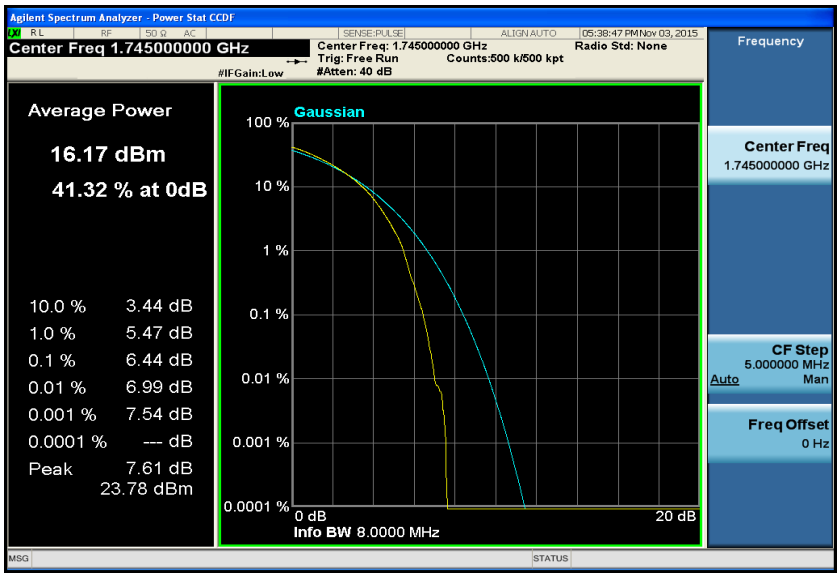
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0



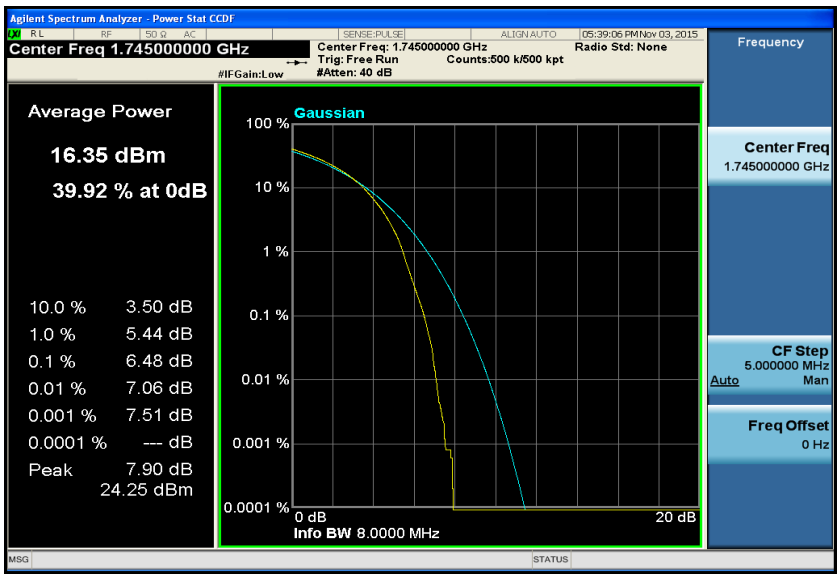
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0



Appendix III: OCCUPIED BANDWIDTH

Part I: Test result

Mode	Channel	Frequency (MHz)	Occupied Bandwidth (99%) (kHz)	Emission Bandwidth (-26dBc) (kHz)
GSM 850	128	824.2	246.12	318.00
	190	836.6	246.35	319.90
	251	848.8	244.78	308.00
GSM 850 EGPRS	128	824.2	244.46	311.50
	190	836.6	248.18	320.10
	251	848.8	247.79	313.80
PCS 1900	512	1850.2	247.73	318.98
	661	1880.0	249.13	317.80
	810	1909.8	250.55	317.40
PCS 1900 EGPRS	512	1850.2	245.62	310.90
	661	1880.0	248.08	319.60
	810	1909.8	240.16	310.40
Mode	**Channel**	**Frequency (MHz)**	**Occupied Bandwidth (99%) (MHz)**	**Emission Bandwidth (-26dBc) (MHz)**
UMTS 850 12.2K RMC	4132	826.40	4.1973	4.863
	4180	836.00	4.2101	4.868
	4233	846.60	4.2085	4.872
UMTS 850 HSDPA	4132	826.40	4.2008	4.862
	4180	836.00	4.2284	4.871
	4233	846.60	4.2140	4.855
UMTS 850 HSUPA	4132	826.40	4.1955	4.862
	4180	836.00	4.2064	4.853
	4233	846.60	4.2049	4.878
UMTS 1900 12.2K RMC	9262	1852.4	4.2106	4.846
	9400	1880.0	4.2258	4.853
	9538	1907.6	4.2107	4.859
UMTS 1900 HSDPA	9262	1852.4	4.2063	4.857
	9400	1880.0	4.2094	4.839
	9538	1907.6	4.2126	4.874
UMTS 1900 HSUPA	9262	1852.4	4.2247	4.846
	9400	1880.0	4.2196	4.862
	9538	1907.6	4.2137	4.847

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd..

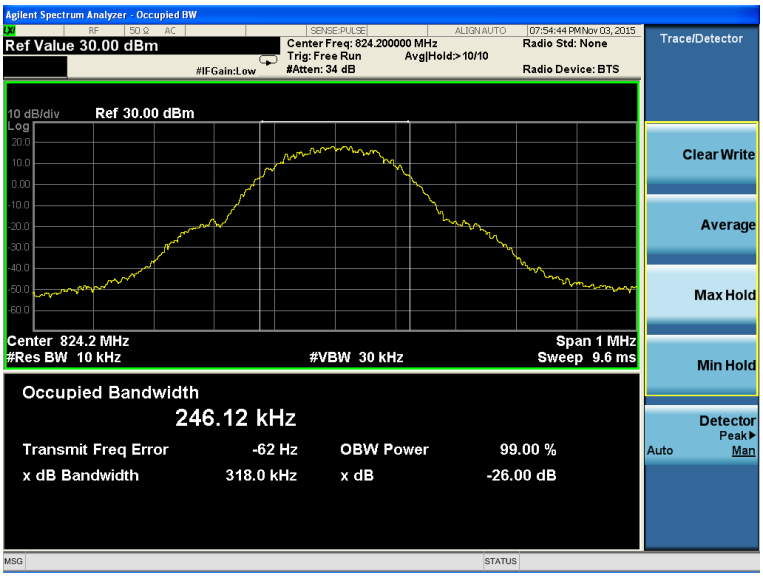
Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth (99%) (MHz)	Emission Bandwidth (-26dBc) (MHz)
LTE BAND II (QPSK)	1.4	LCH	RB6#0	1.0759	1.220
		MCH	RB6#0	1.0756	1.201
		HCH	RB6#0	1.0777	1.219
	3.0	LCH	RB15#0	2.6815	2.872
		MCH	RB15#0	2.6838	2.875
		HCH	RB15#0	2.6850	2.891
	5.0	LCH	RB25#0	4.4857	4.837
		MCH	RB25#0	4.4798	4.849
		HCH	RB25#0	4.4810	4.826
	10.0	LCH	RB50#0	8.9500	9.480
		MCH	RB50#0	8.9385	9.473
		HCH	RB50#0	8.9437	9.509
	15.0	LCH	RB75#0	13.397	14.08
		MCH	RB75#0	13.402	14.11
		HCH	RB75#0	13.421	14.11
	20.0	LCH	RB100#0	17.869	18.62
		MCH	RB100#0	17.871	18.59
		HCH	RB100#0	17.875	18.64
LTE BAND II (16QAM)	1.4	LCH	RB6#0	1.0792	1.237
		MCH	RB6#0	1.0783	1.210
		HCH	RB6#0	1.0782	1.234
	3.0	LCH	RB15#0	2.6828	2.884
		MCH	RB15#0	2.6870	2.857
		HCH	RB15#0	2.6866	2.887
	5.0	LCH	RB25#0	4.4822	4.834
		MCH	RB25#0	4.4845	4.827
		HCH	RB25#0	4.4876	4.863
	10.0	LCH	RB50#0	8.9313	9.509
		MCH	RB50#0	8.9312	9.443
		HCH	RB50#0	8.9396	9.451
	15.0	LCH	RB75#0	13.397	14.02
		MCH	RB75#0	13.413	14.04
		HCH	RB75#0	13.407	14.06
	20.0	LCH	RB100#0	17.884	18.54
		MCH	RB100#0	17.889	18.65
		HCH	RB100#0	17.885	18.64

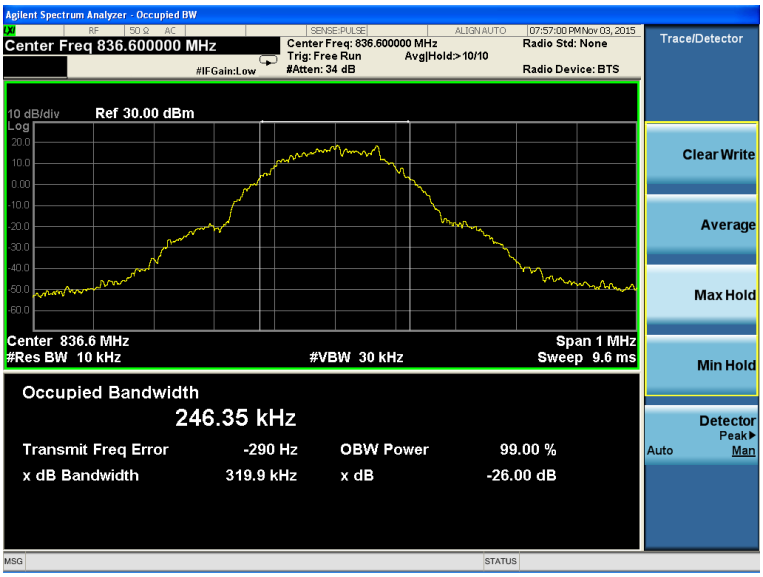
This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd..

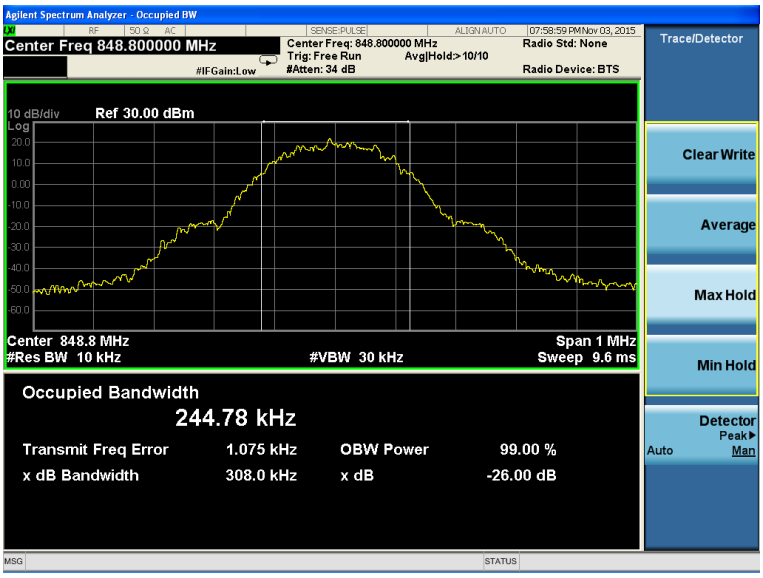
Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth (99%) (MHz)	Emission Bandwidth (-26dBc) (MHz)
LTE BAND IV (QPSK)	1.4	LCH	RB6#0	1.0775	1.222
		MCH	RB6#0	1.0761	1.229
		HCH	RB6#0	1.0767	1.215
	3.0	LCH	RB15#0	2.6809	2.870
		MCH	RB15#0	2.6880	2.894
		HCH	RB15#0	2.6808	2.878
	5.0	LCH	RB25#0	4.4838	4.852
		MCH	RB25#0	4.4942	4.907
		HCH	RB25#0	4.4783	4.859
	10.0	LCH	RB50#0	8.9338	9.491
		MCH	RB50#0	8.9589	9.584
		HCH	RB50#0	8.9335	9.413
	15.0	LCH	RB75#0	13.405	14.04
		MCH	RB75#0	13.415	14.12
		HCH	RB75#0	13.406	14.11
	20.0	LCH	RB100#0	17.877	18.68
		MCH	RB100#0	17.873	18.64
		HCH	RB100#0	17.882	18.66
LTE BAND IV (16QAM)	1.4	LCH	RB6#0	1.0801	1.230
		MCH	RB6#0	1.0808	1.230
		HCH	RB6#0	1.0781	1.219
	3.0	LCH	RB15#0	2.6831	2.874
		MCH	RB15#0	2.6859	2.909
		HCH	RB15#0	2.6887	2.896
	5.0	LCH	RB25#0	4.4745	4.817
		MCH	RB25#0	4.4872	4.842
		HCH	RB25#0	4.4811	4.812
	10.0	LCH	RB50#0	8.9350	9.513
		MCH	RB50#0	8.9435	9.809
		HCH	RB50#0	8.9454	9.428
	15.0	LCH	RB75#0	13.409	14.06
		MCH	RB75#0	13.411	14.07
		HCH	RB75#0	13.395	14.07
	20.0	LCH	RB100#0	17.882	18.63
		MCH	RB100#0	17.885	18.66
		HCH	RB100#0	17.853	18.68

Part II: Test plot

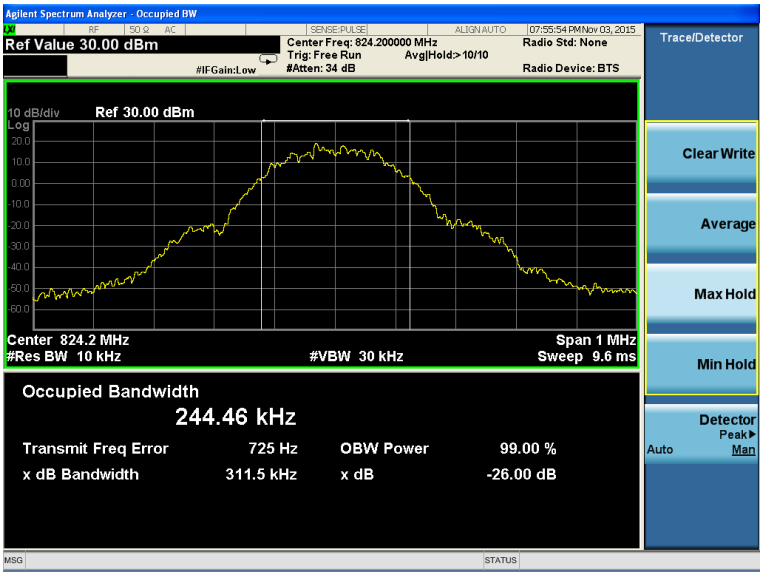
Test Plots For GSM 850

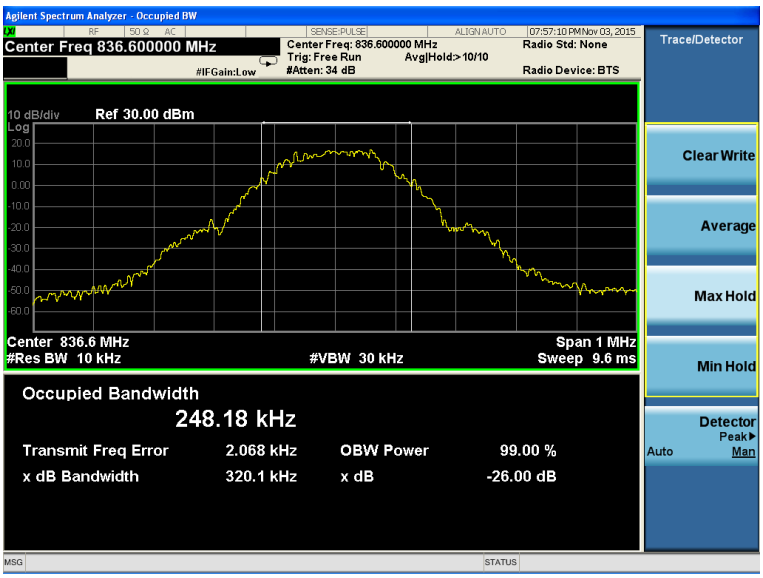


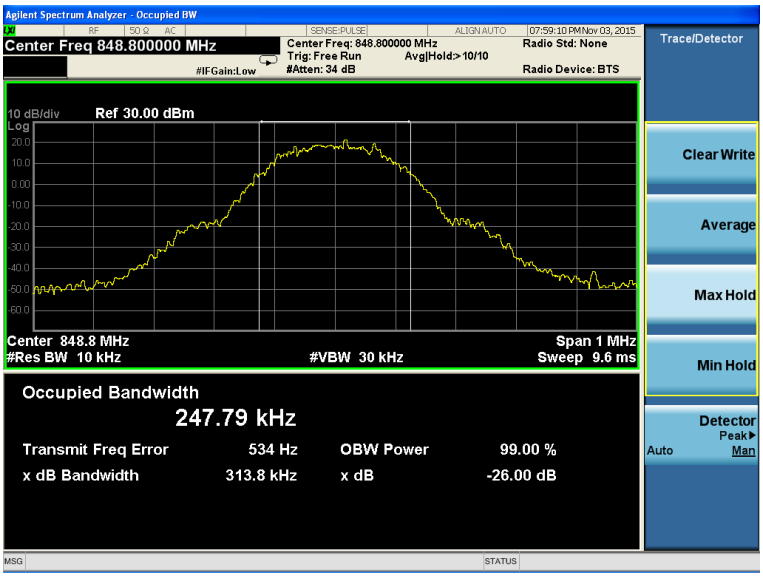




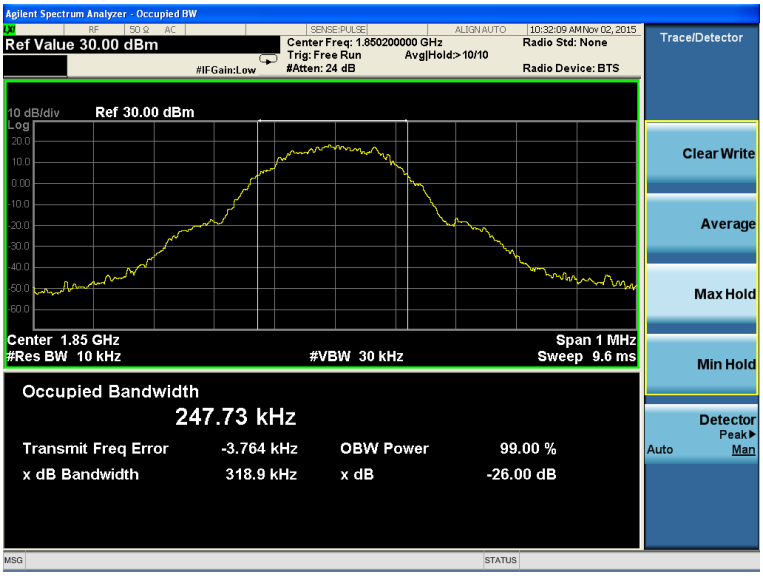
Test Plots For EGPRS 850

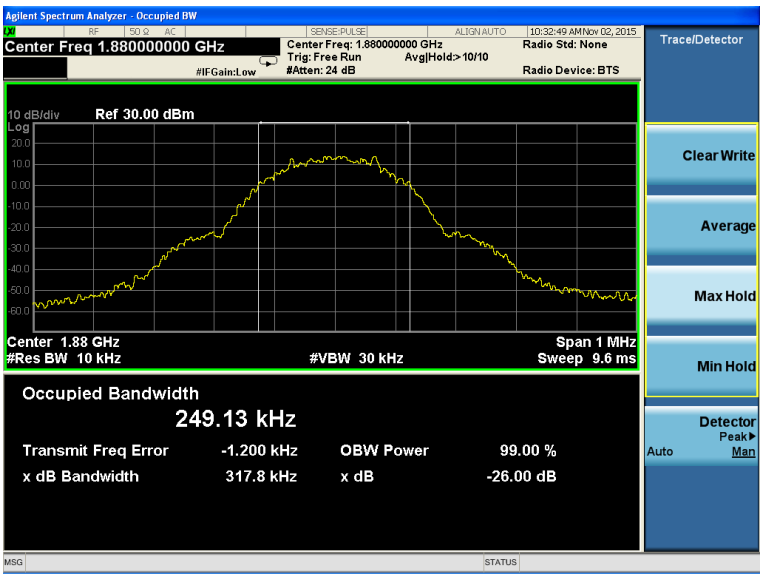


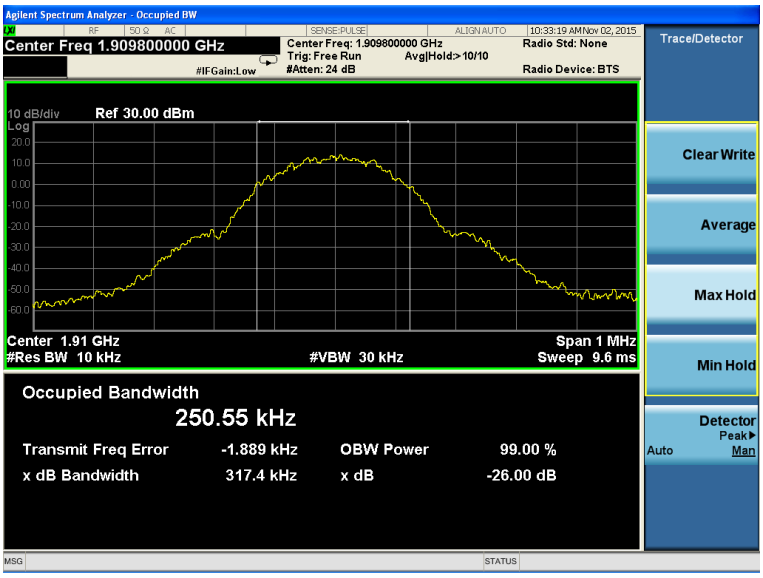




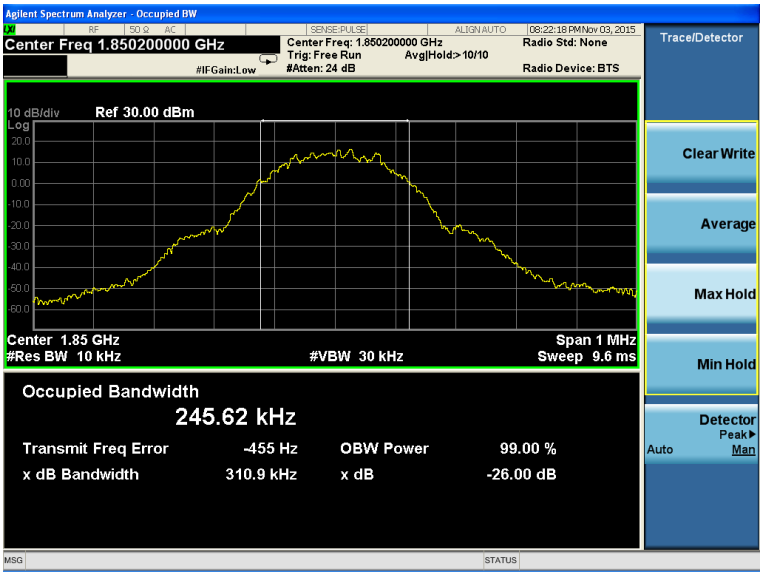
Test Plots For PCS 1900

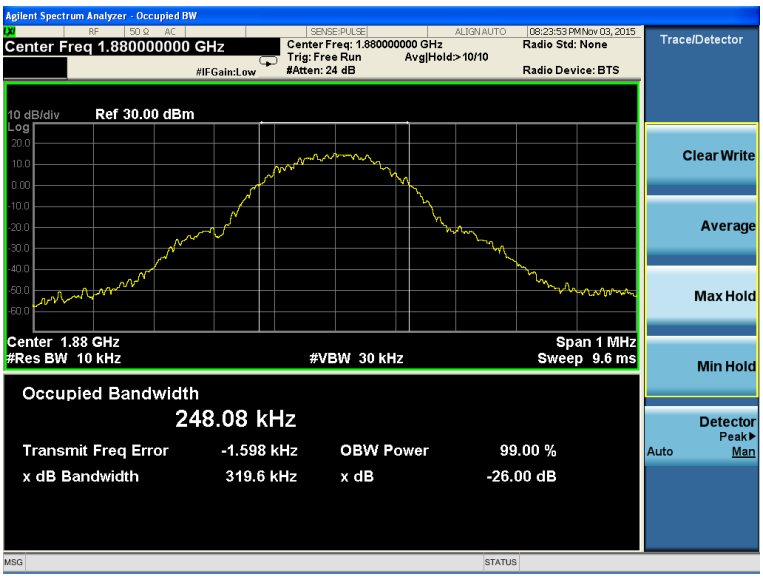


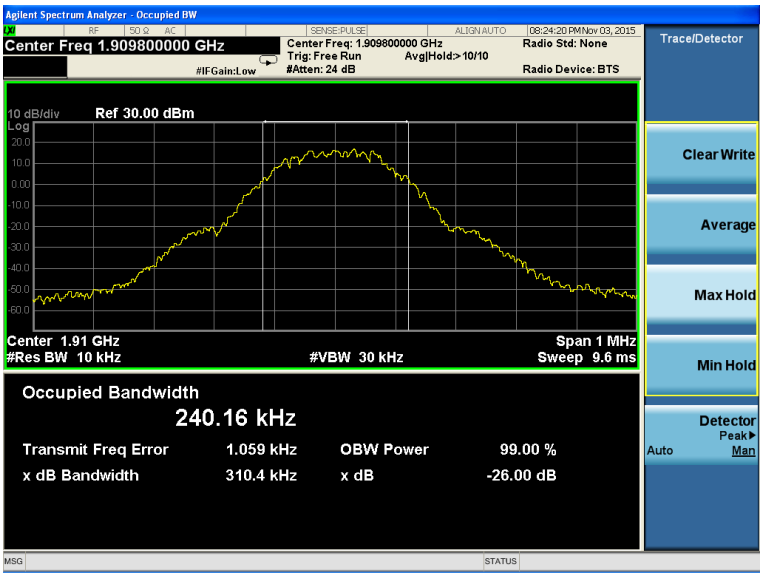




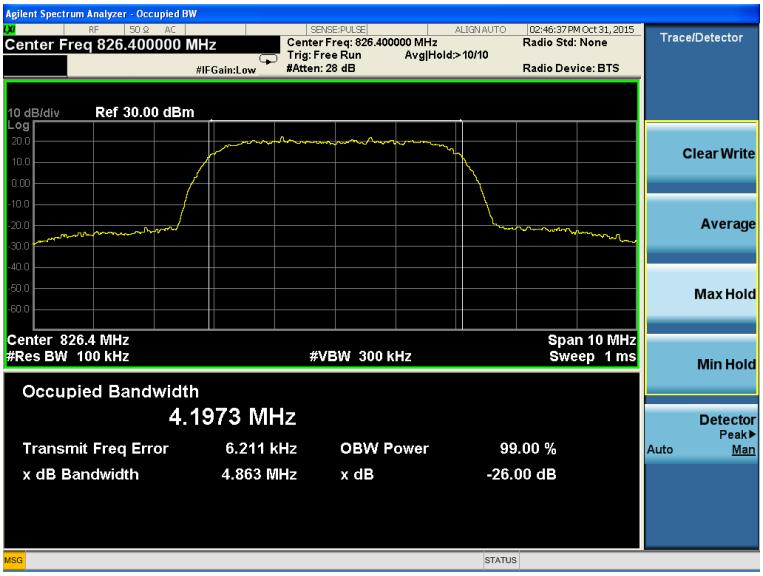
Test Plots For PCS 1900 EGPRS

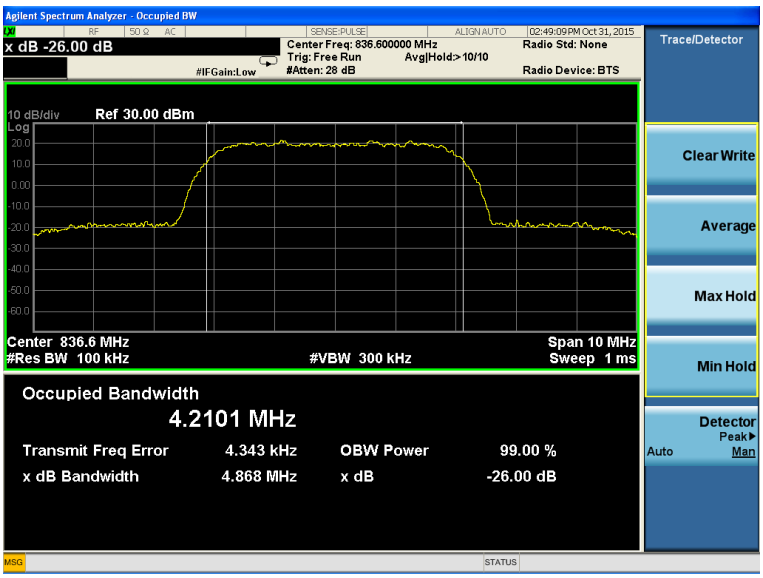


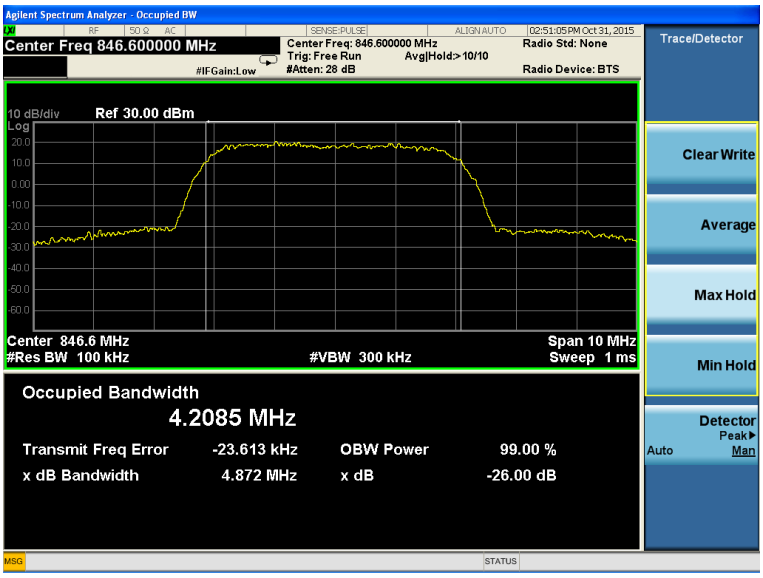




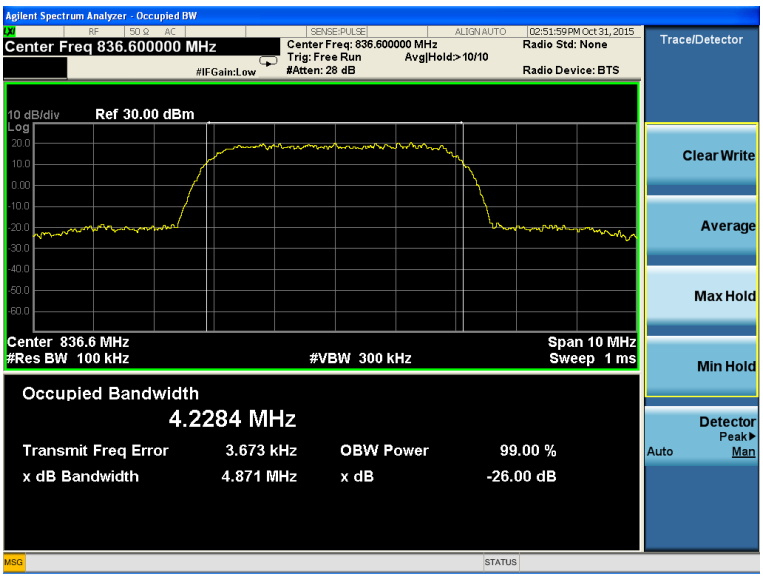
Test Plots For UMTS 850 12.2K RMC

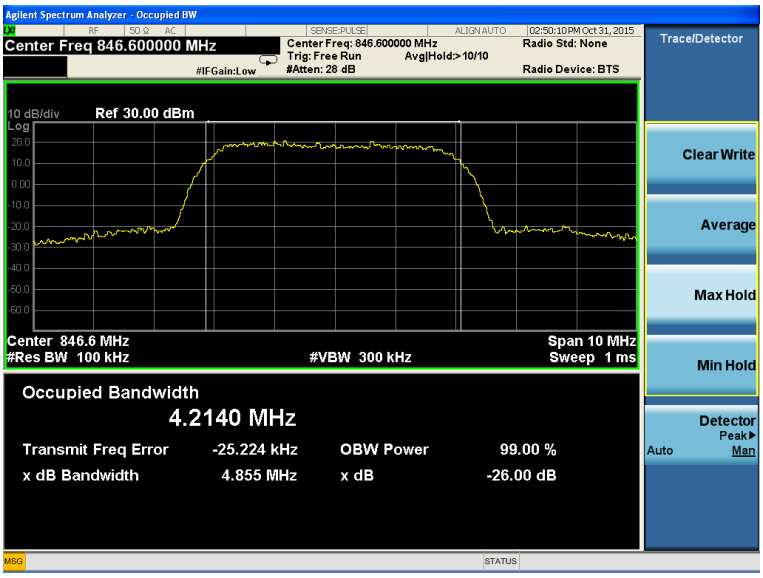




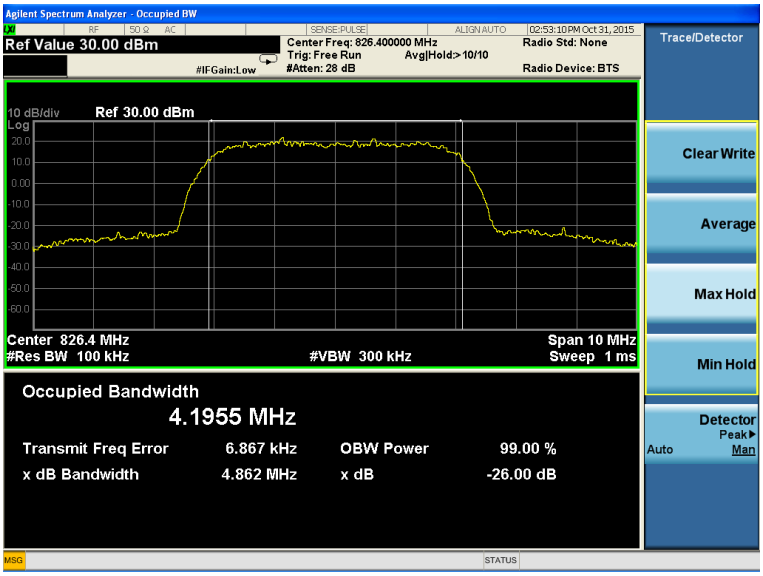


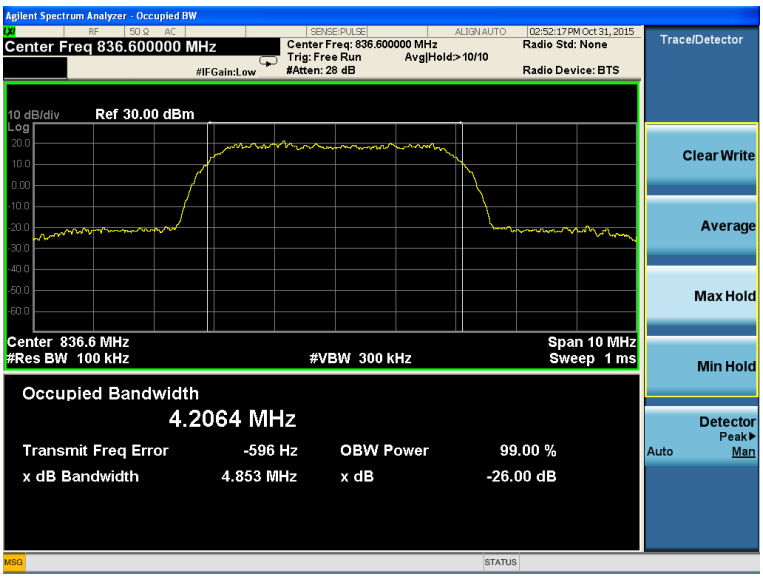
Test Plots For UMTS 850 HSDPA

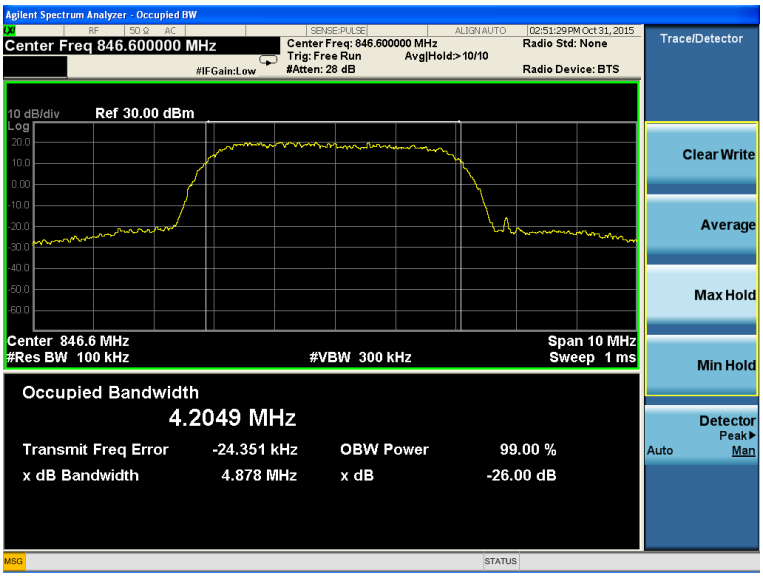




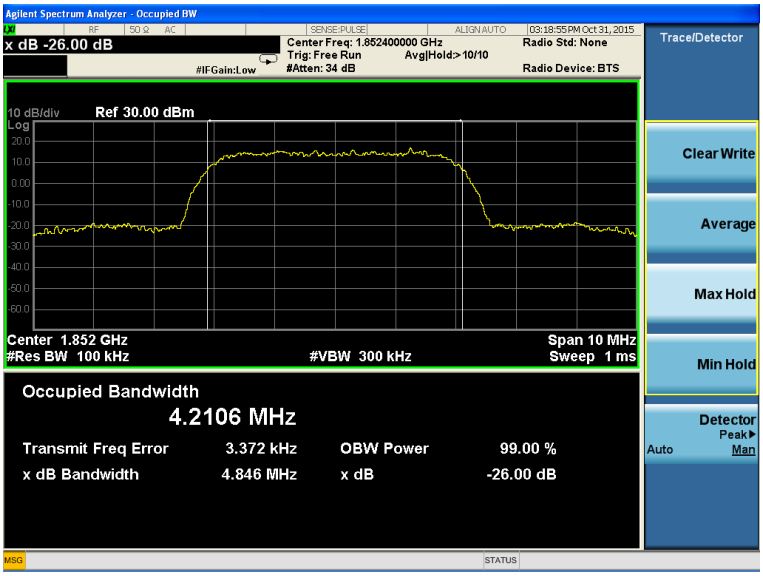
Test Plots For UMTS 850 HSUPA

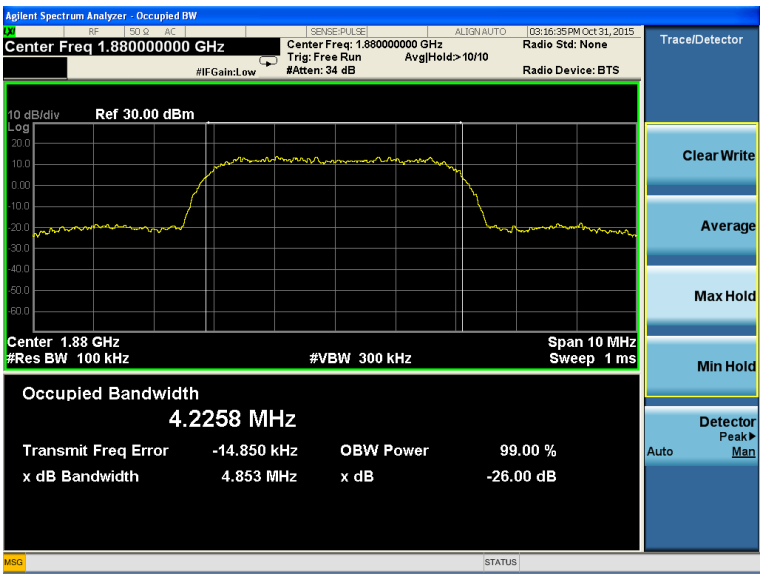


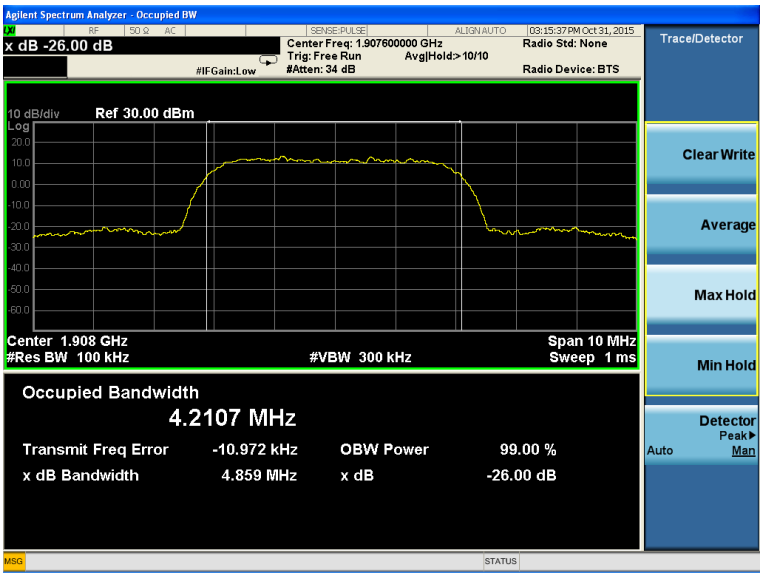




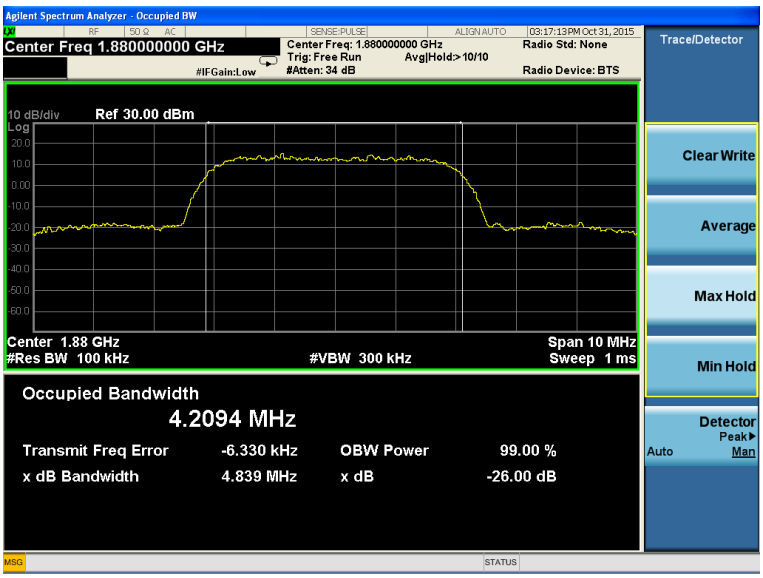
Test Plots For UMTS 1900 12.2K RMC

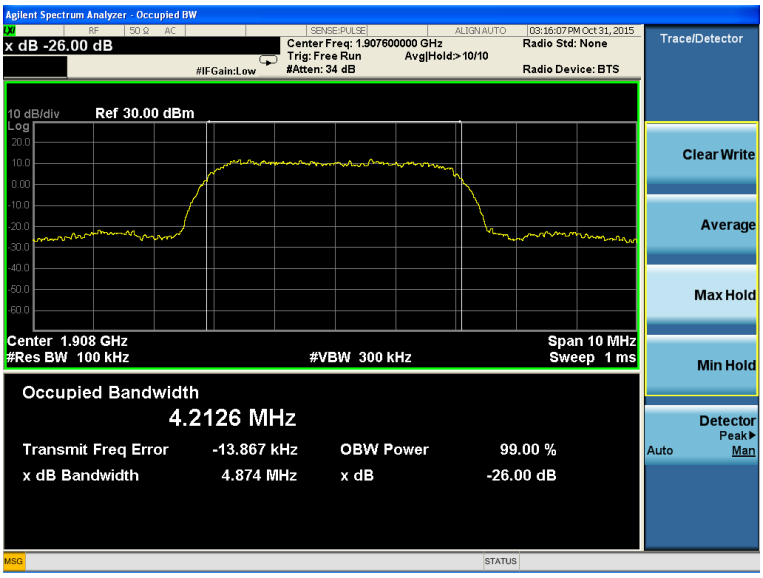




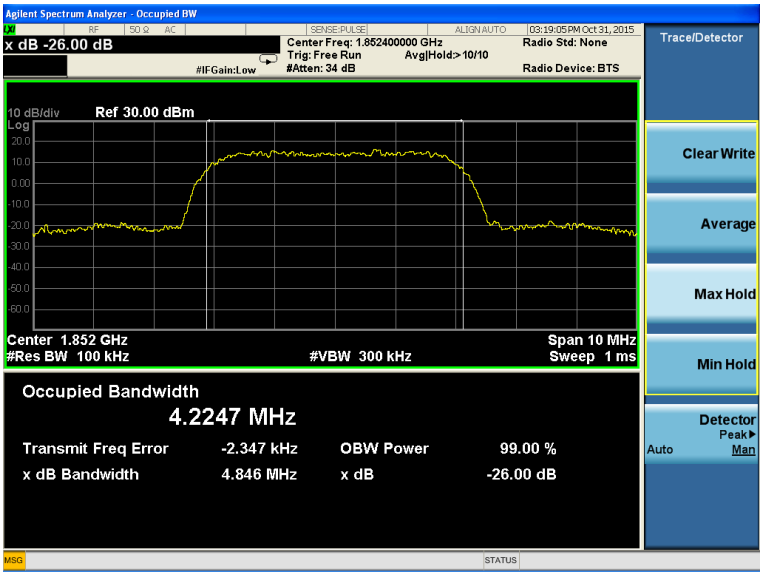


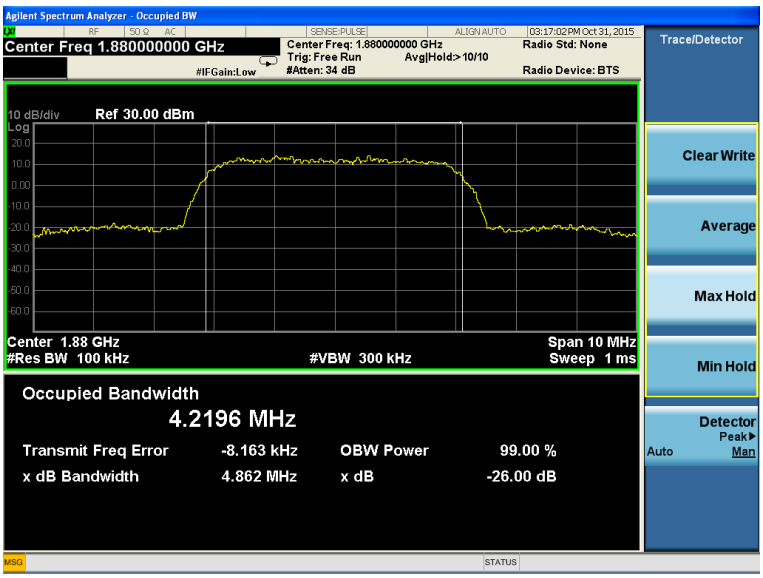
Test Plots For UMTS 1900 HSDPA

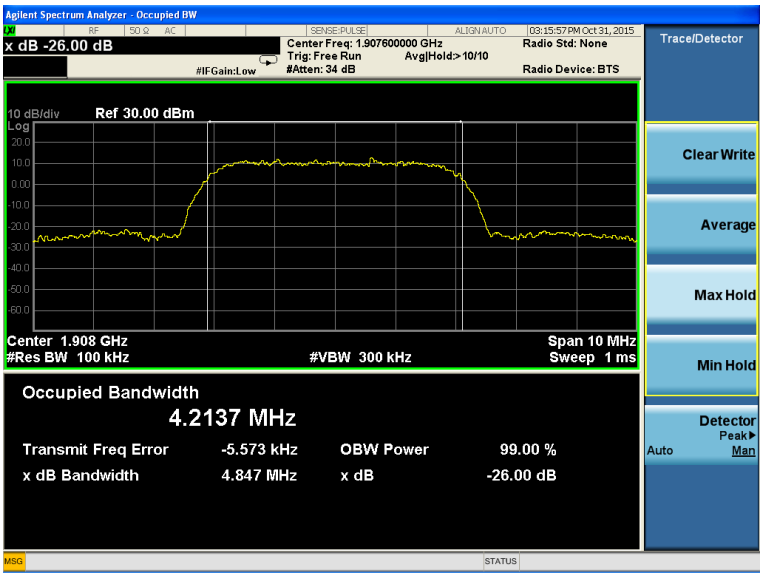




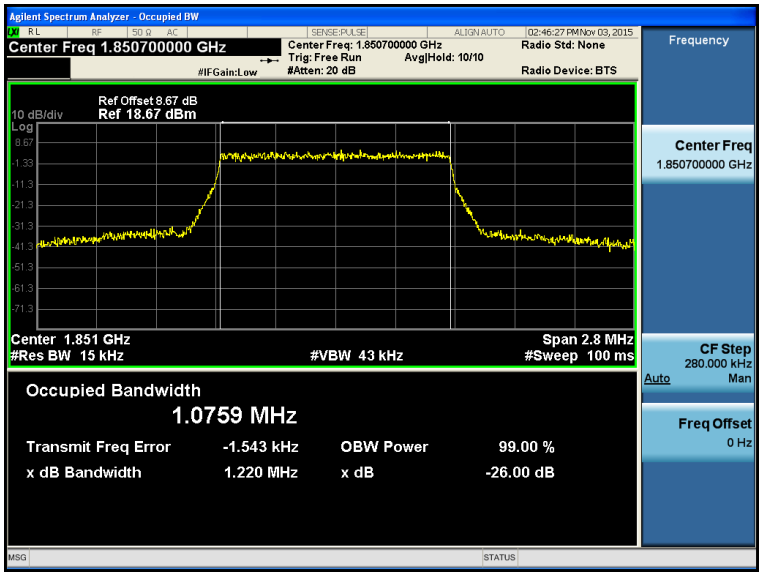
Test Plots For UMTS 1900 HSUPA

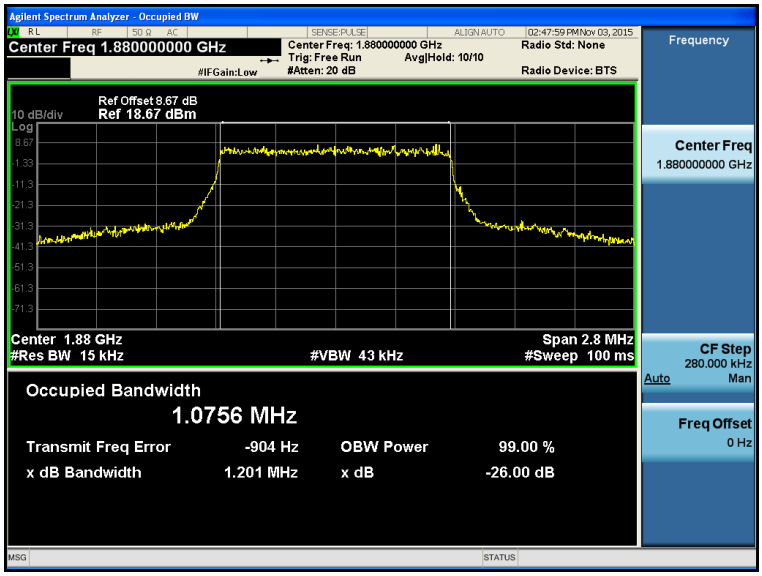


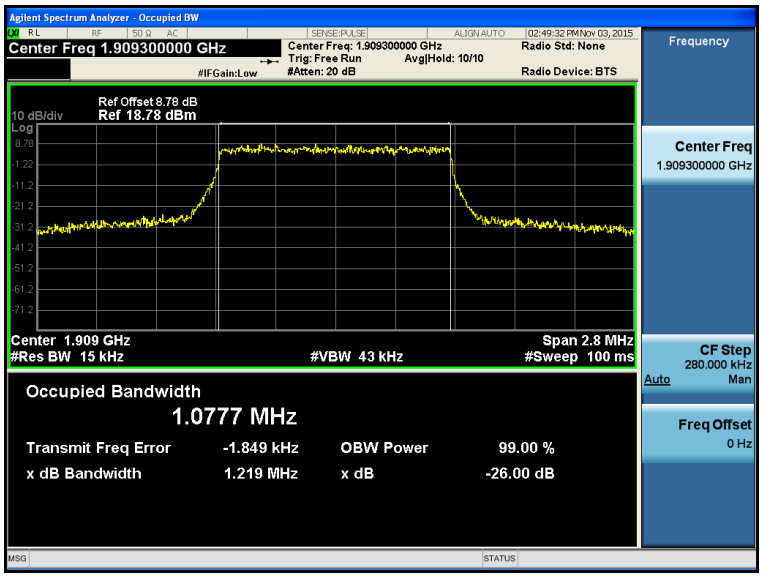




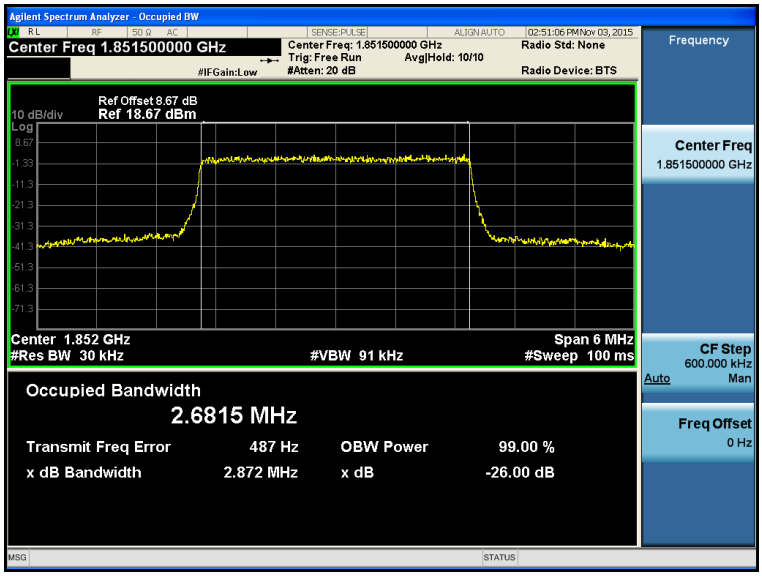
Test Plots For LTE Band II(QPSK, Bandwidth=1.4MHz, RB=RB6#0)

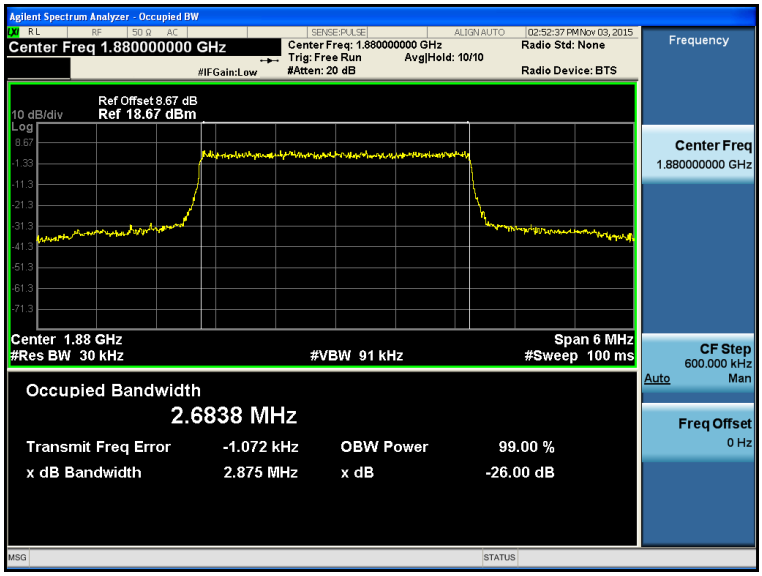


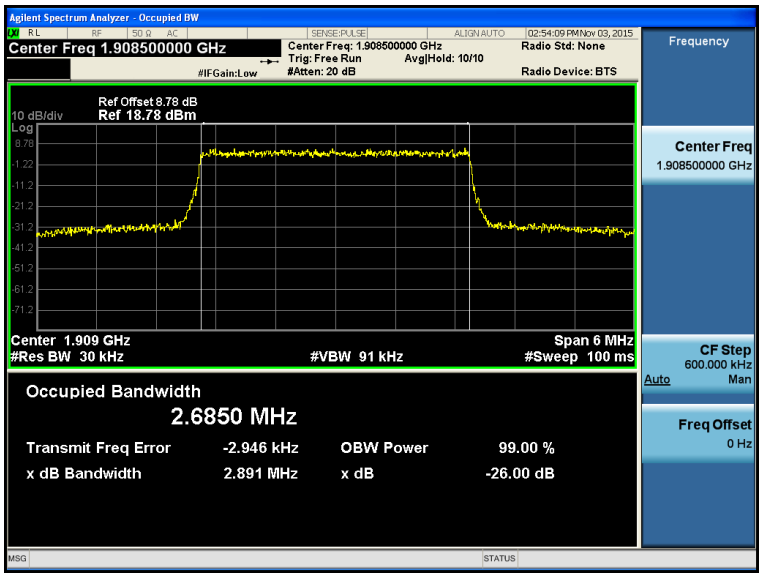




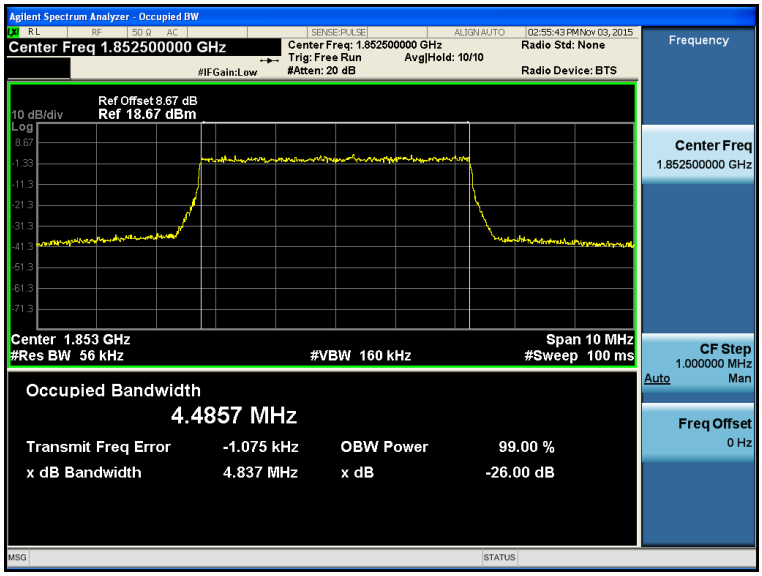
Test Plots For LTE Band II(QPSK, Bandwidth=3.0MHz, RB=RB15#0)

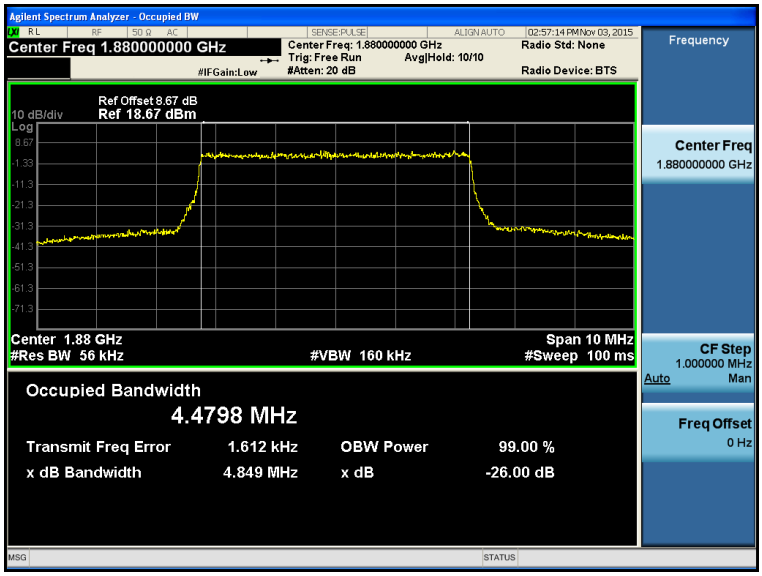


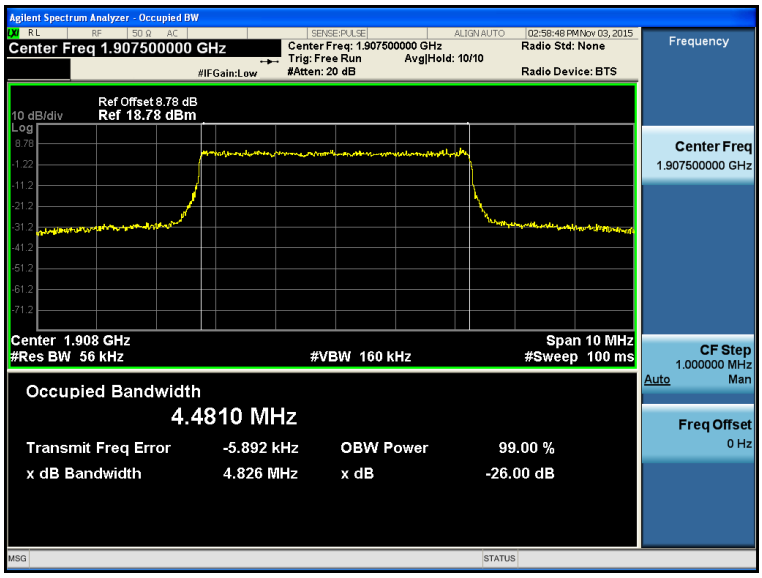




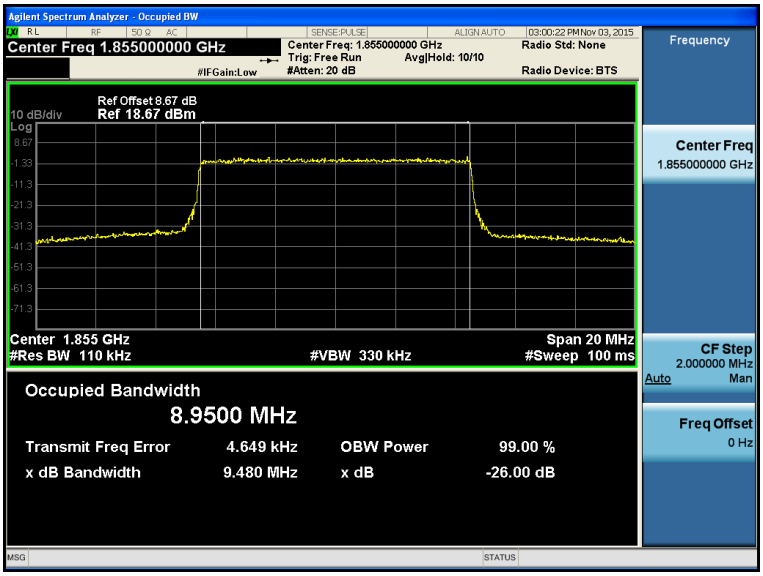
Test Plots For LTE Band II(QPSK, Bandwidth=5.0MHz, RB=RB25#0)

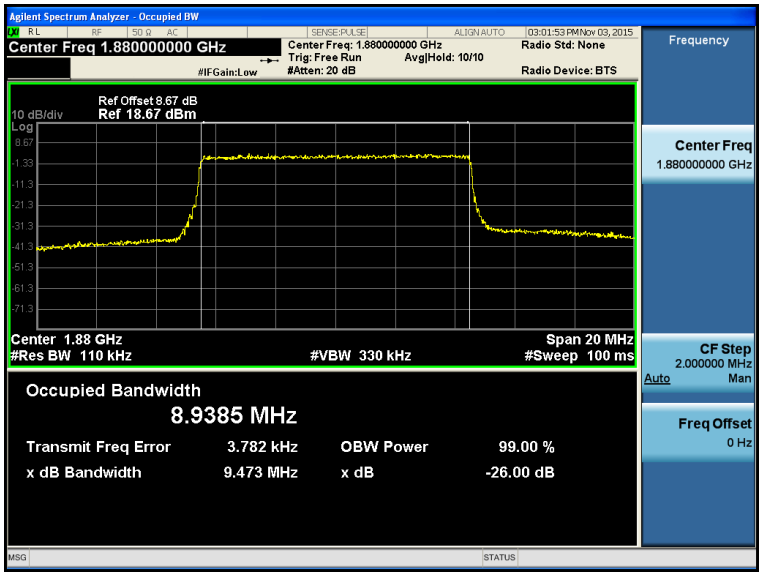


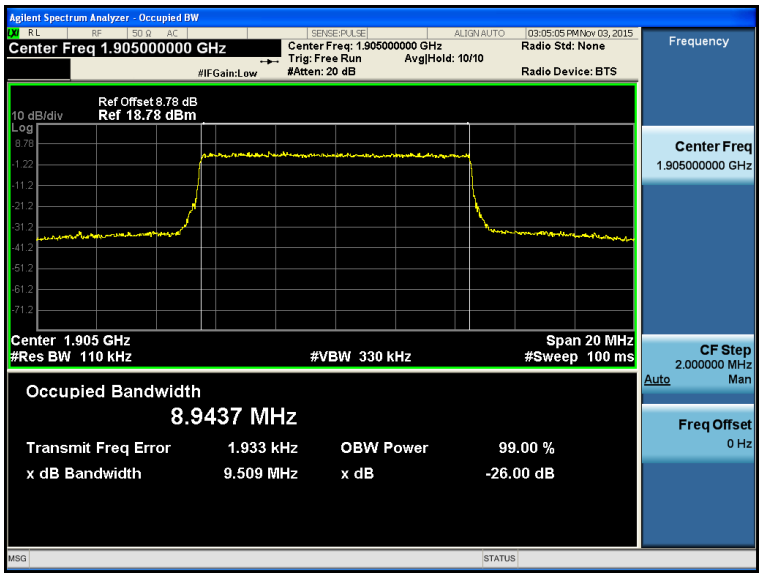




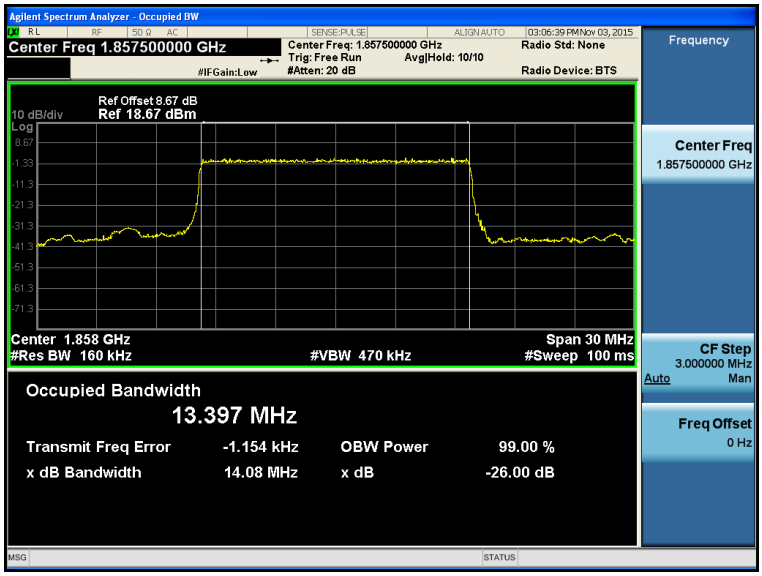
Test Plots For LTE Band II(QPSK, Bandwidth=10.0MHz, RB=RB50#0)

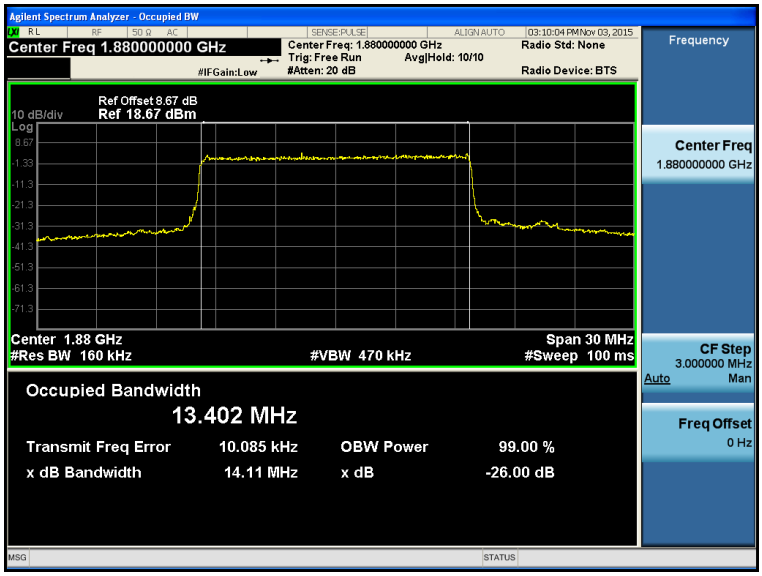


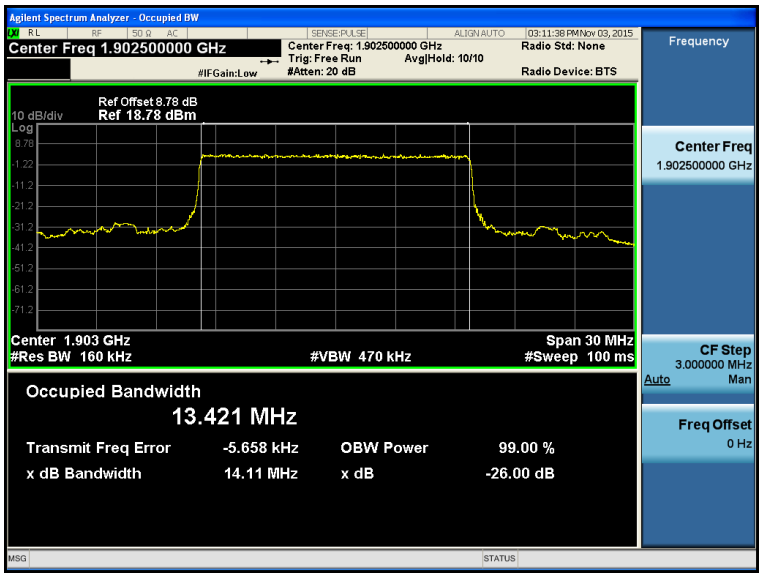




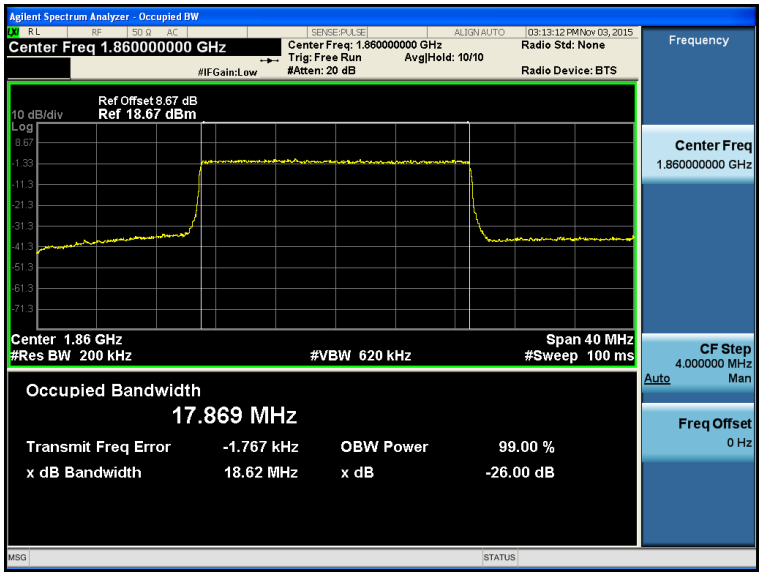
Test Plots For LTE Band II(QPSK, Bandwidth=15.0MHz, RB=RB75#0)

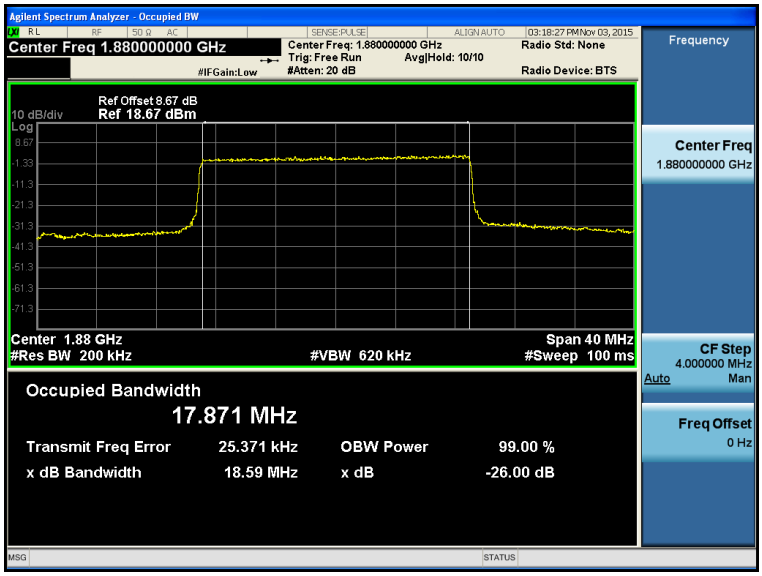


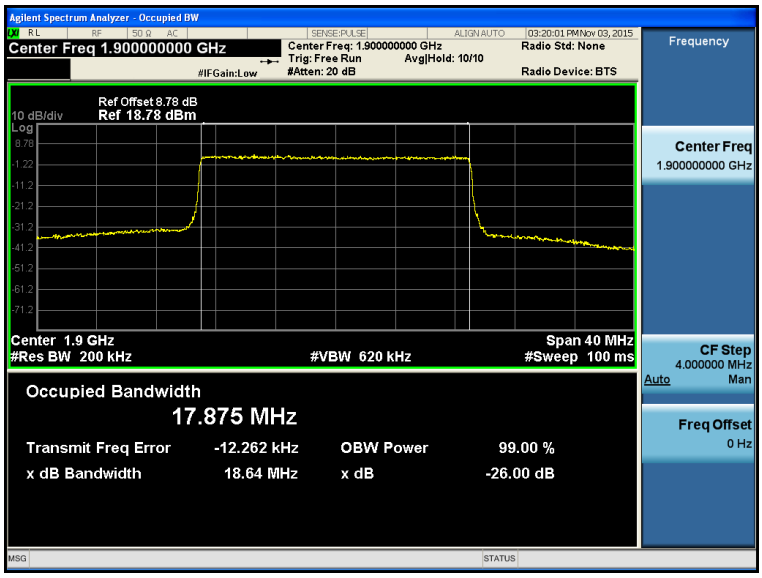




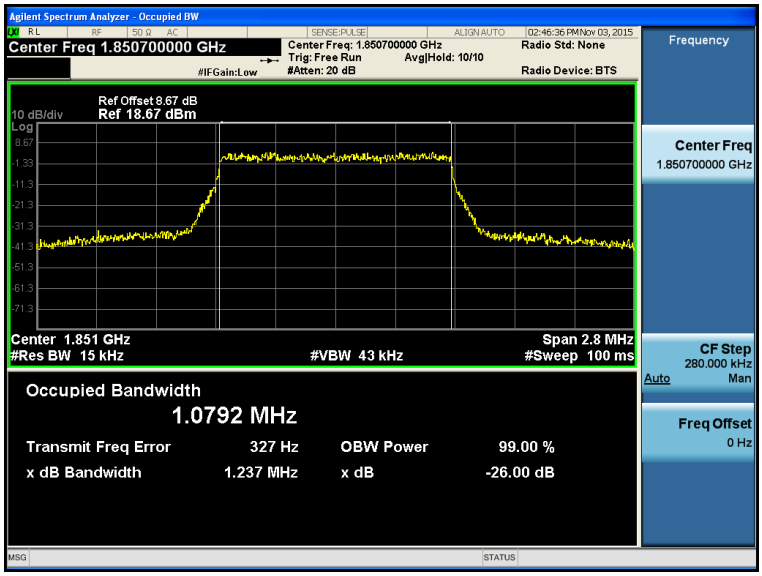
Test Plots For LTE Band II(QPSK, Bandwidth=20.0MHz, RB=RB100#0)

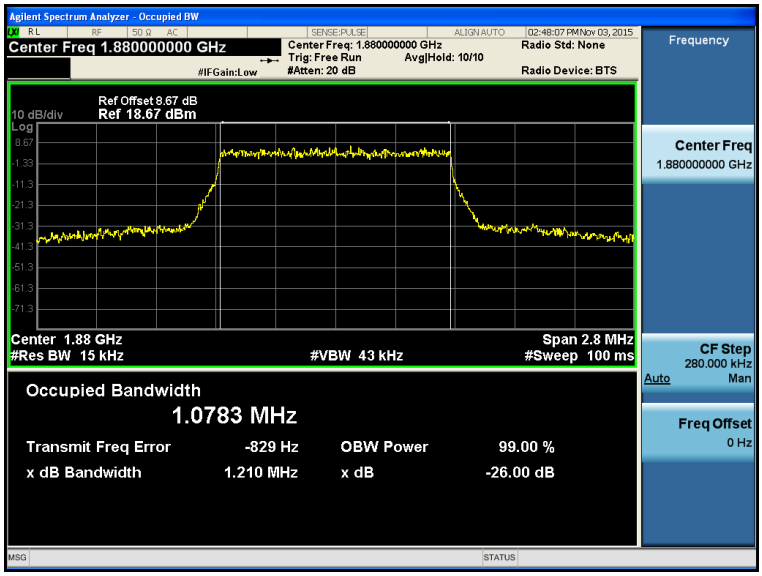


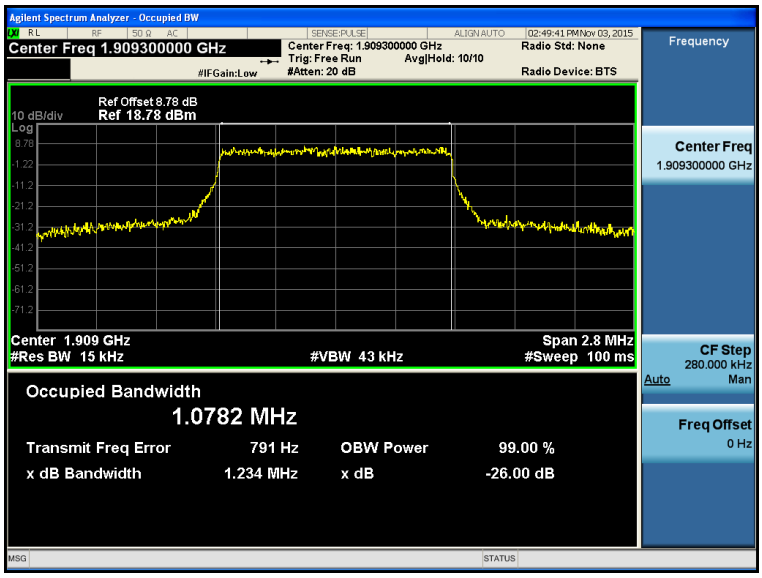




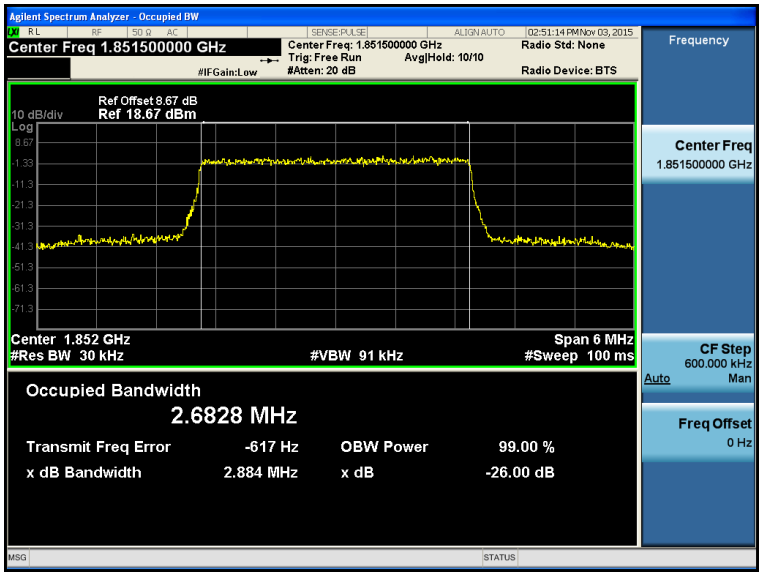
Test Plots For LTE Band II(16QAM, Bandwidth=1.4MHz, RB=RB6#0)

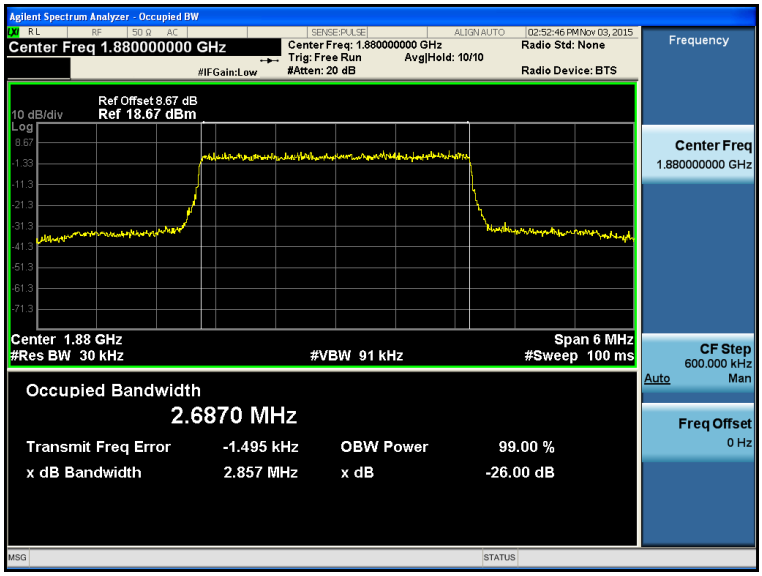


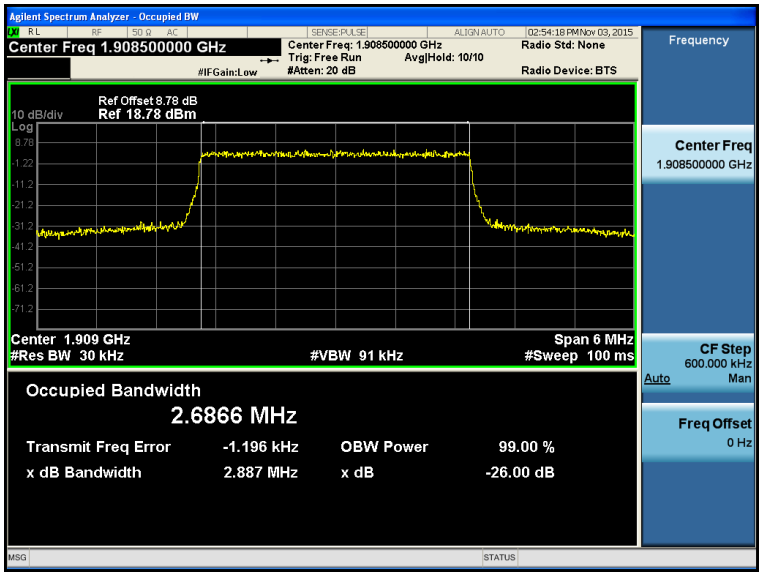




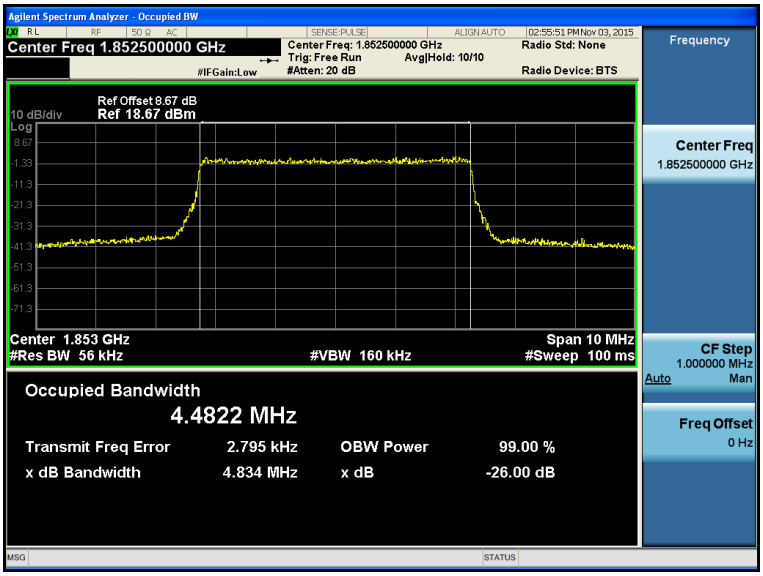
Test Plots For LTE Band II(16QAM, Bandwidth=3.0MHz, RB=RB15#0)

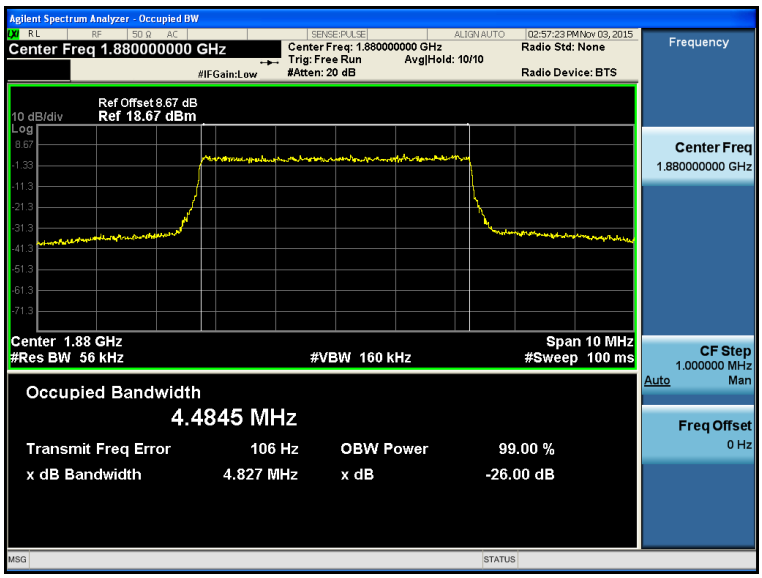


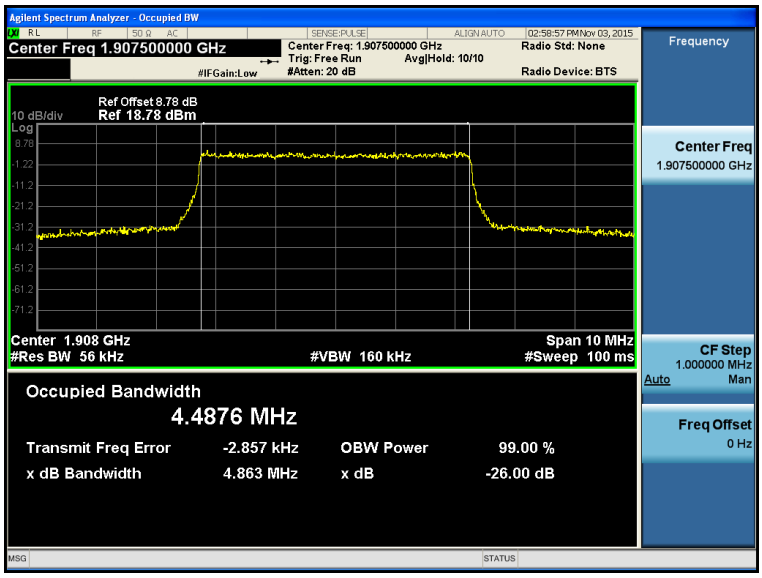




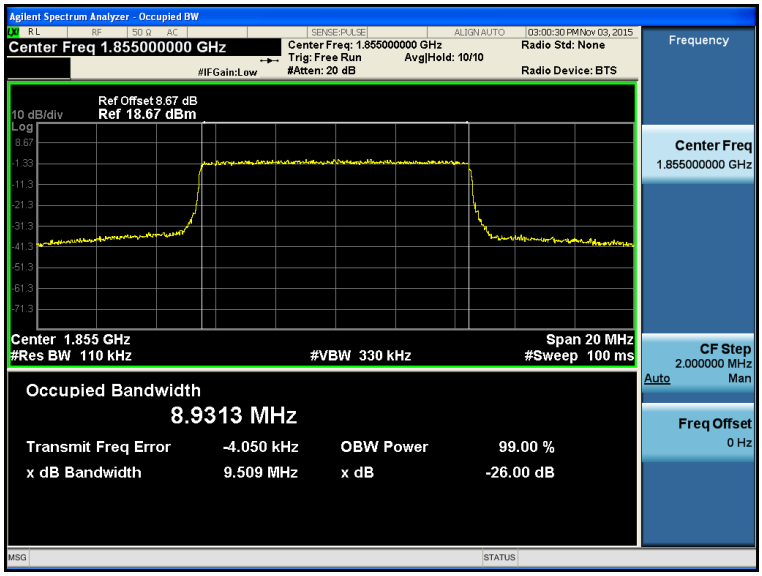
Test Plots For LTE Band II(16QAM, Bandwidth=5.0MHz, RB=RB25#0)

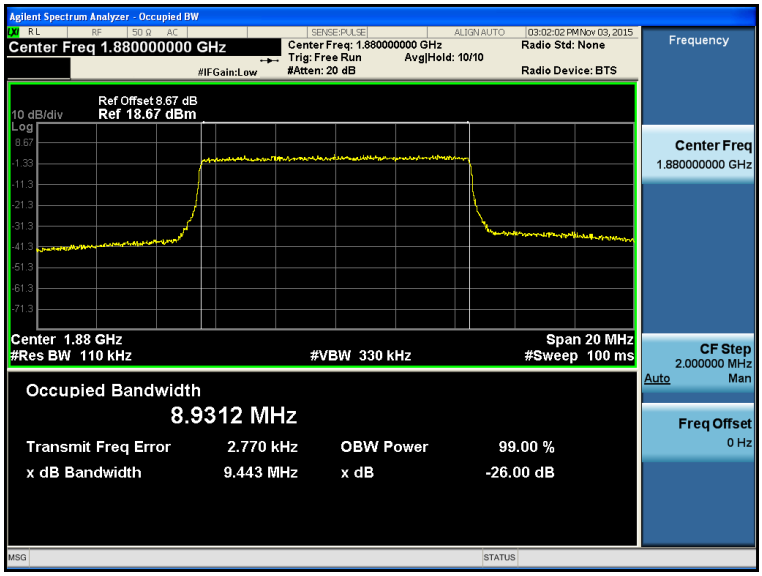


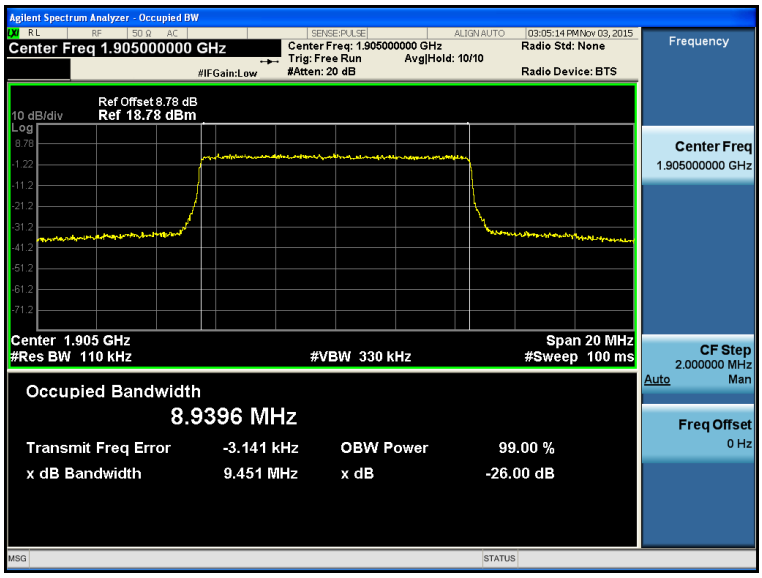




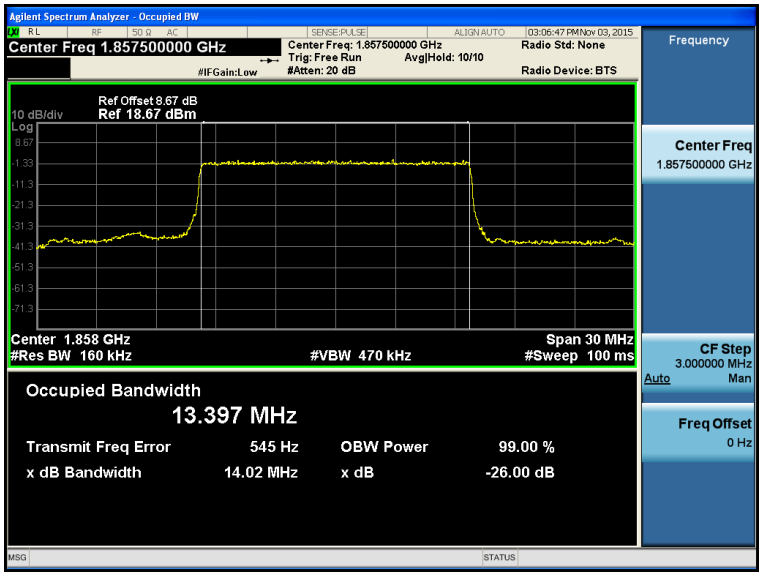
Test Plots For LTE Band II(16QAM, Bandwidth=10.0MHz, RB=RB50#0)

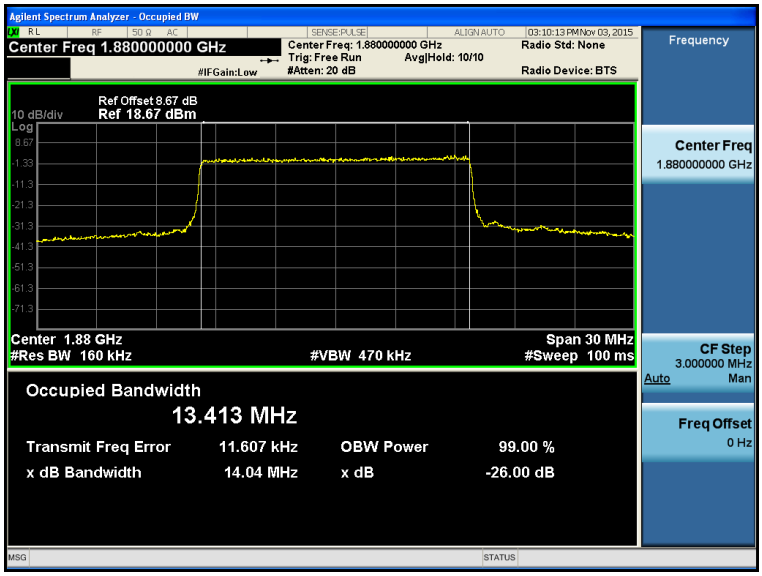


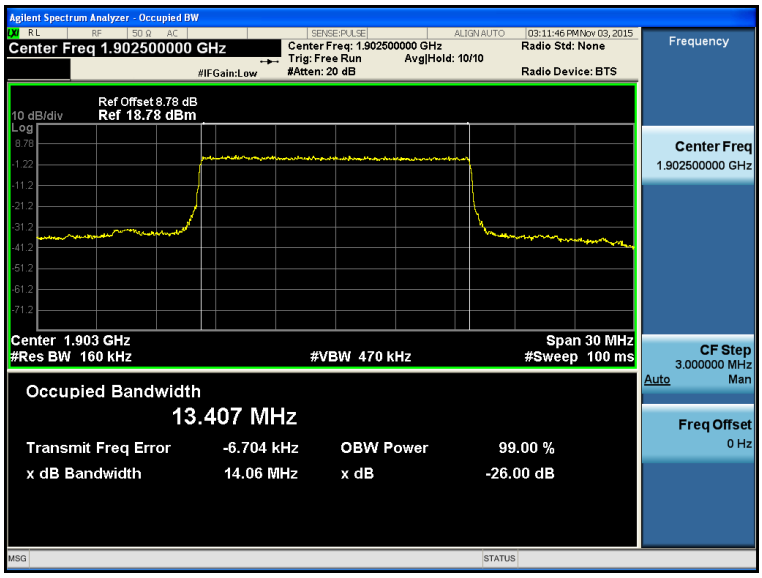




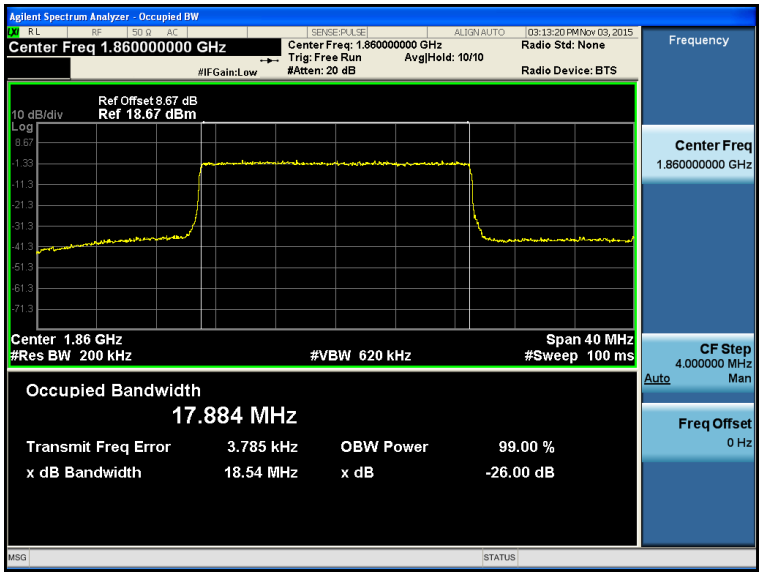
Test Plots For LTE Band II(16QAM, Bandwidth=15.0MHz, RB=RB75#0)

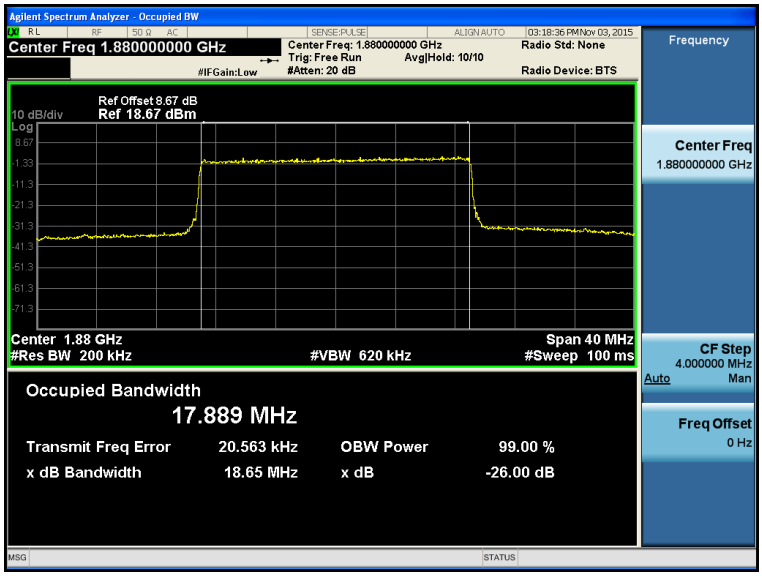


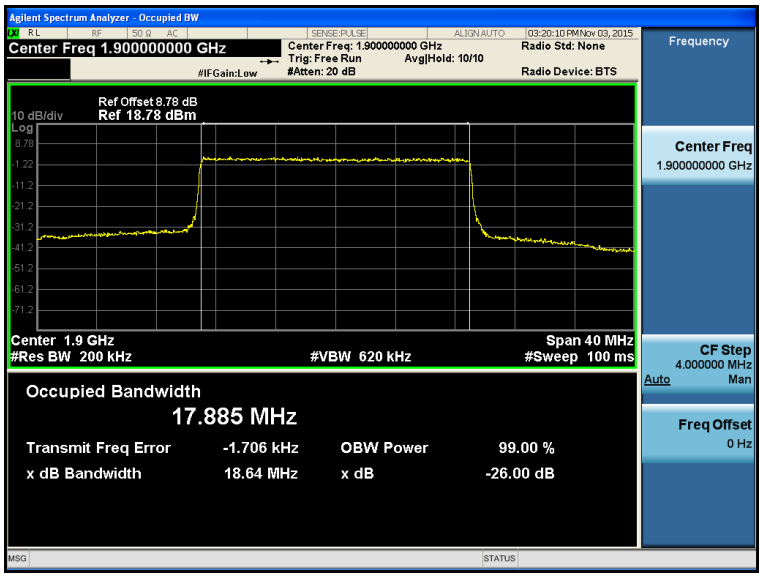




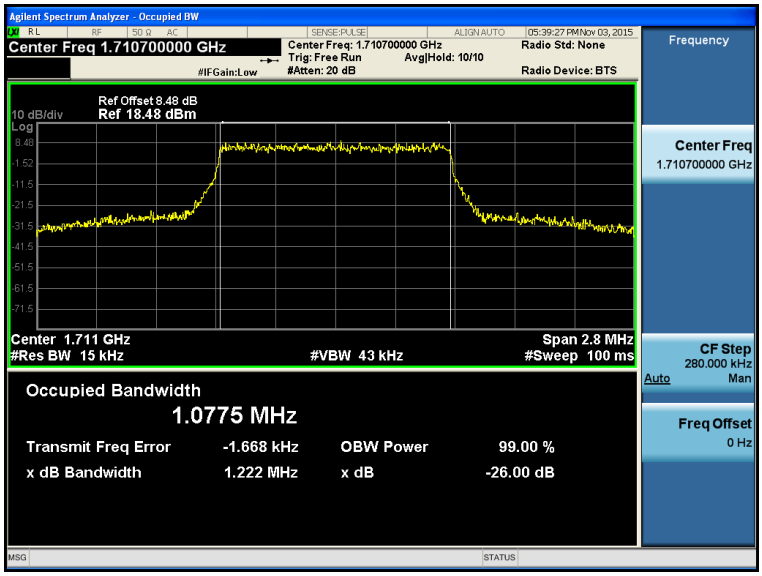
Test Plots For LTE Band II(16QAM, Bandwidth=20.0MHz, RB=RB100#0)

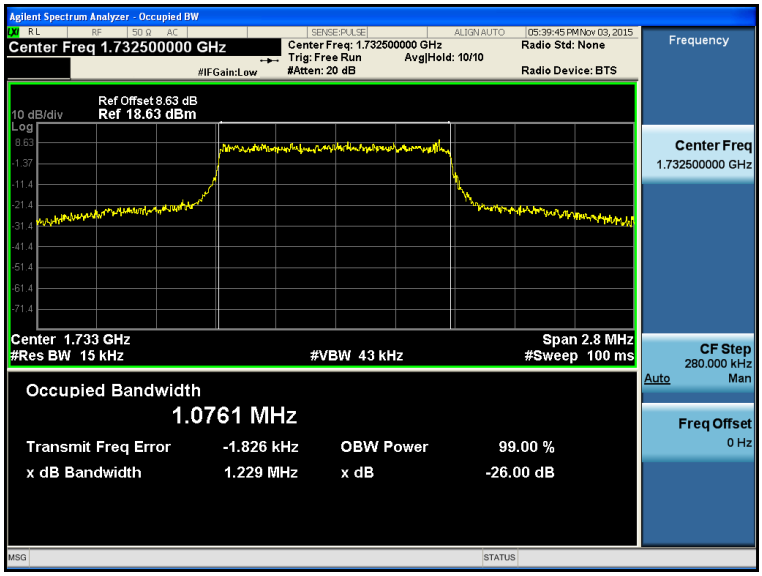


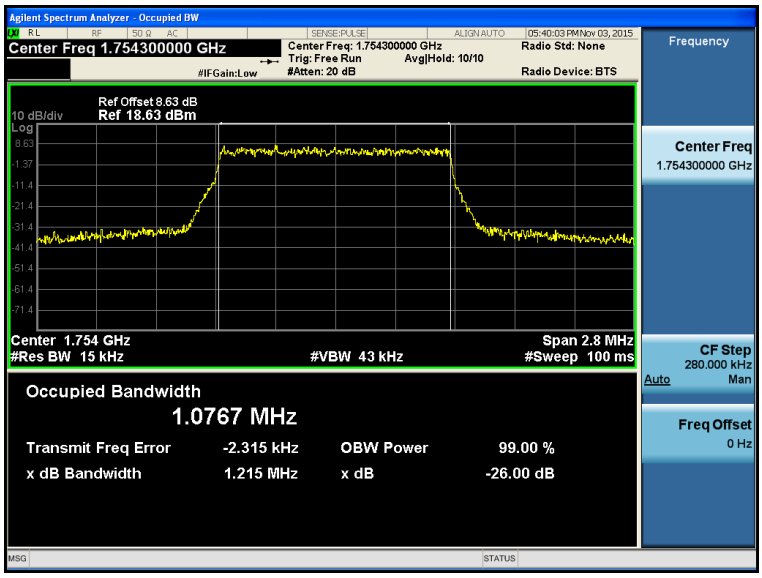




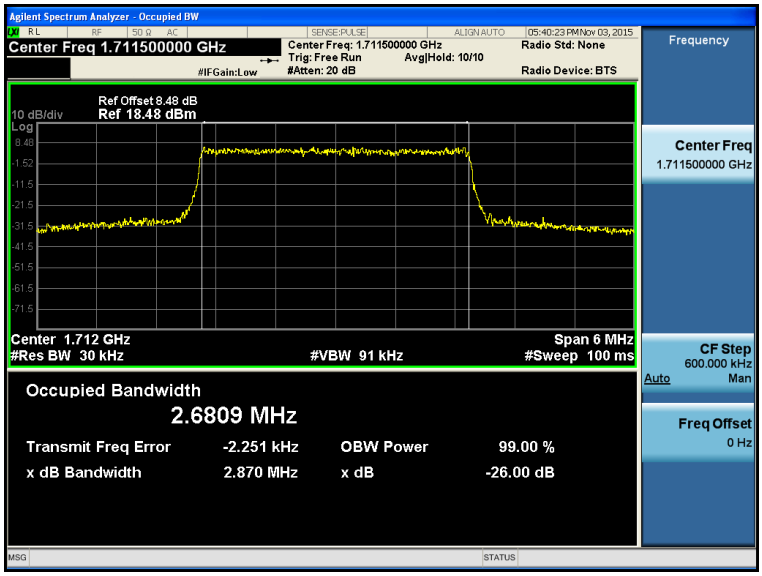
Test Plots For LTE Band IV(QPSK, Bandwidth=1.4MHz, RB=RB6#0)

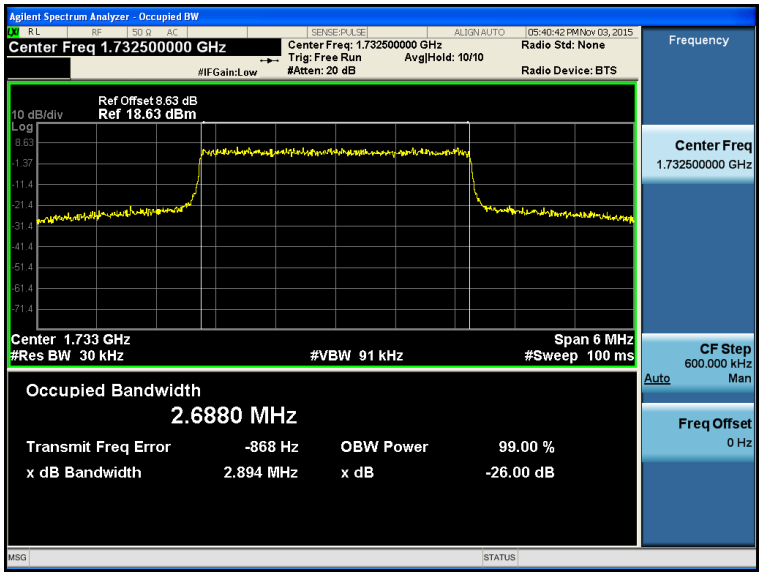


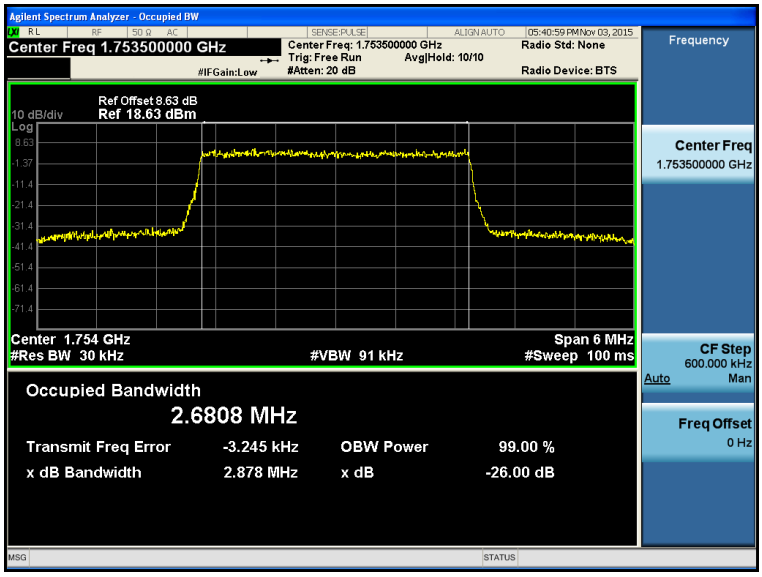




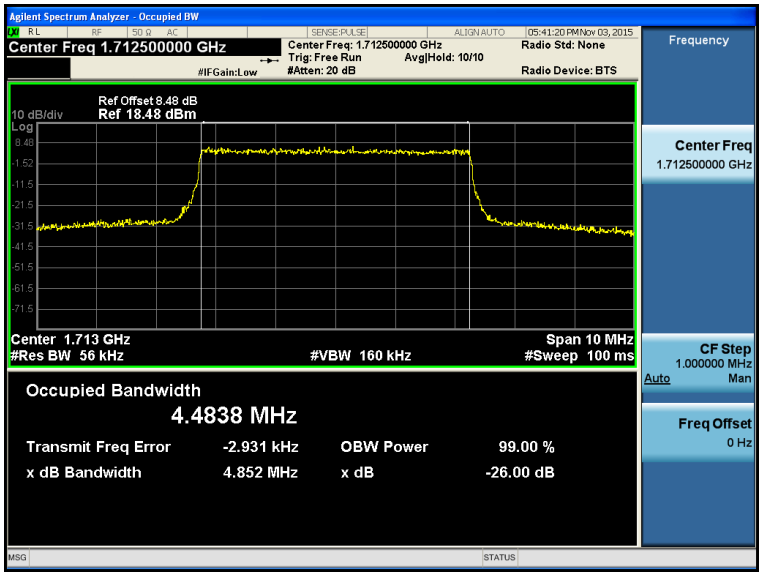
Test Plots For LTE Band IV(QPSK, Bandwidth=3.0MHz, RB=RB15#0)

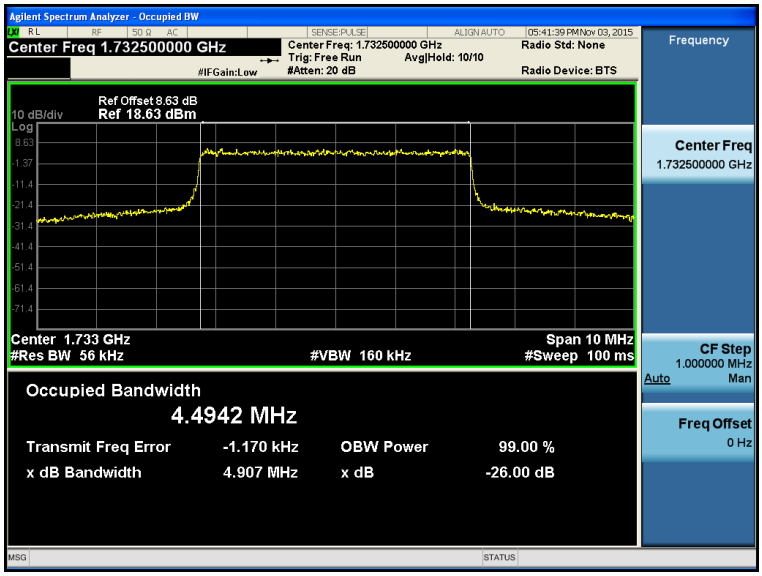


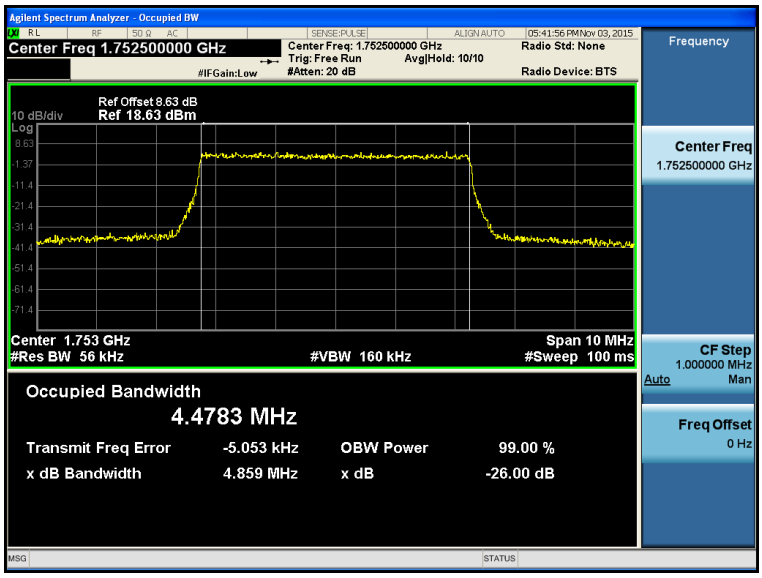




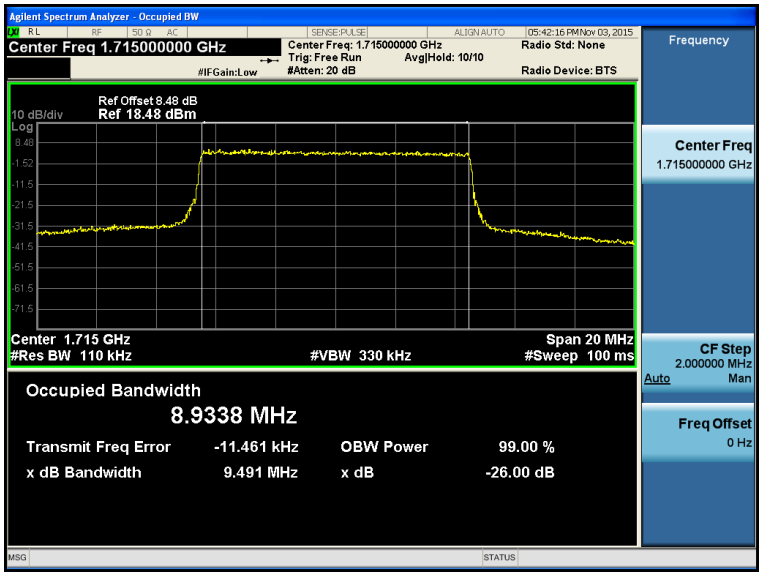
Test Plots For LTE Band IV(QPSK, Bandwidth=5.0MHz, RB=RB25#0)

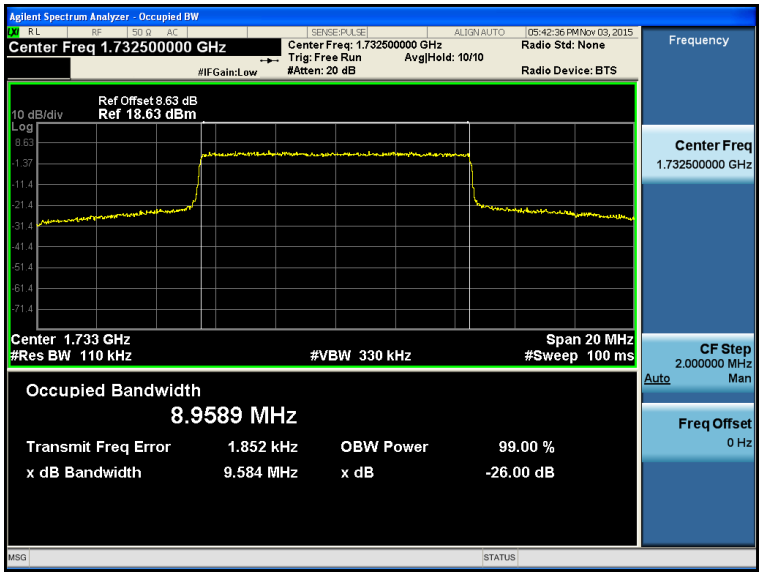


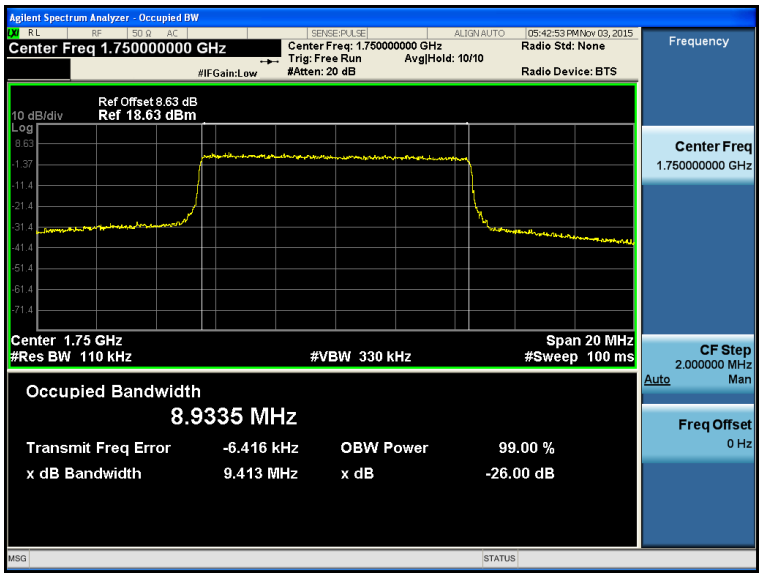




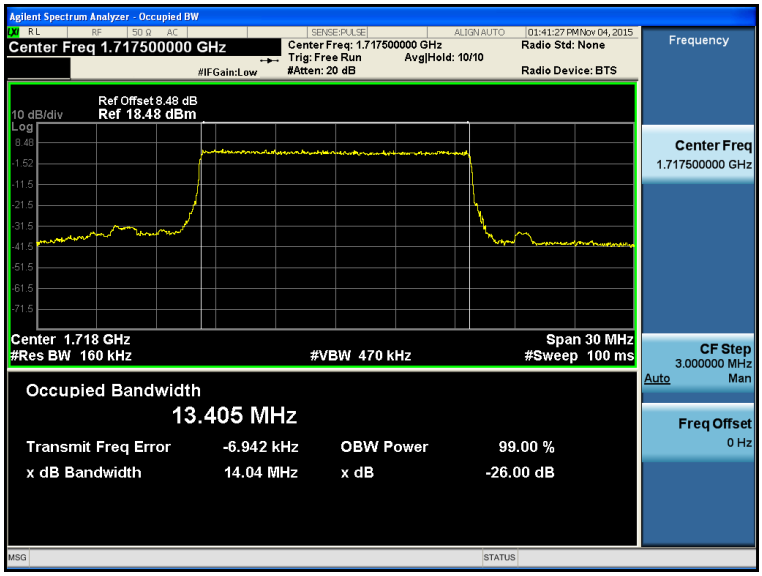
Test Plots For LTE Band IV(QPSK, Bandwidth=10.0MHz, RB=RB50#0)

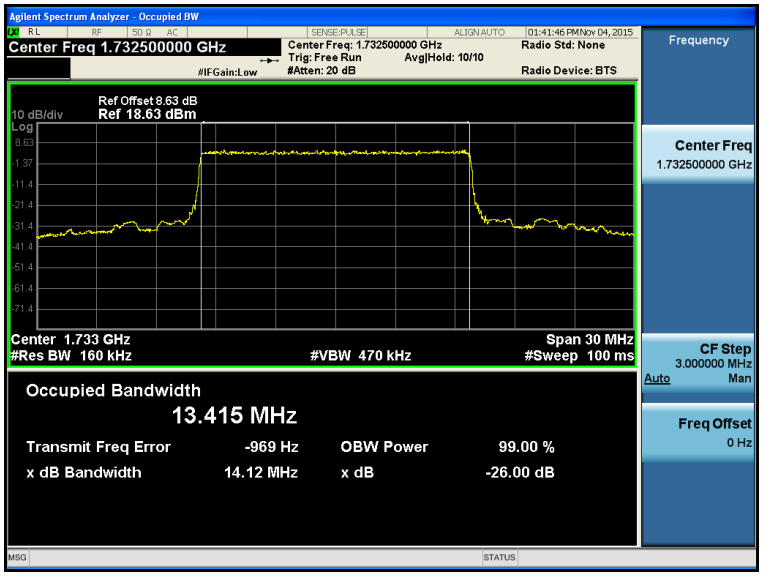


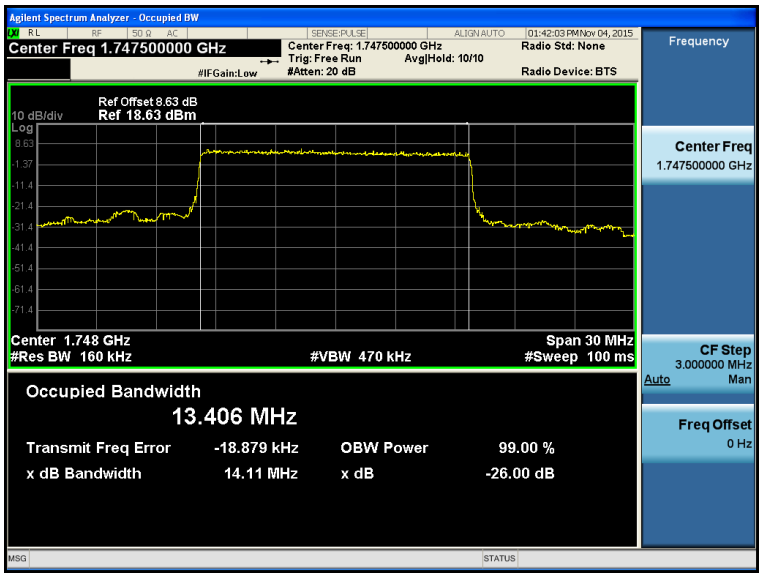




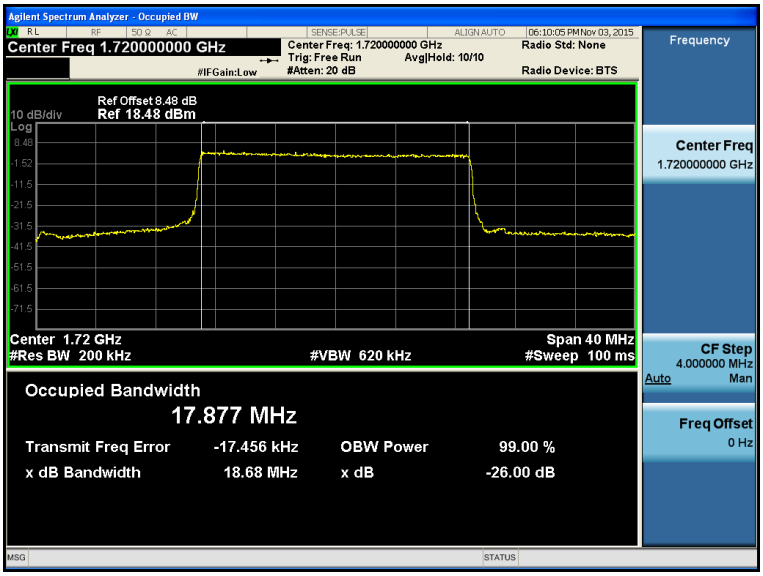
Test Plots For LTE Band IV(QPSK, Bandwidth=15.0MHz, RB=RB75#0)

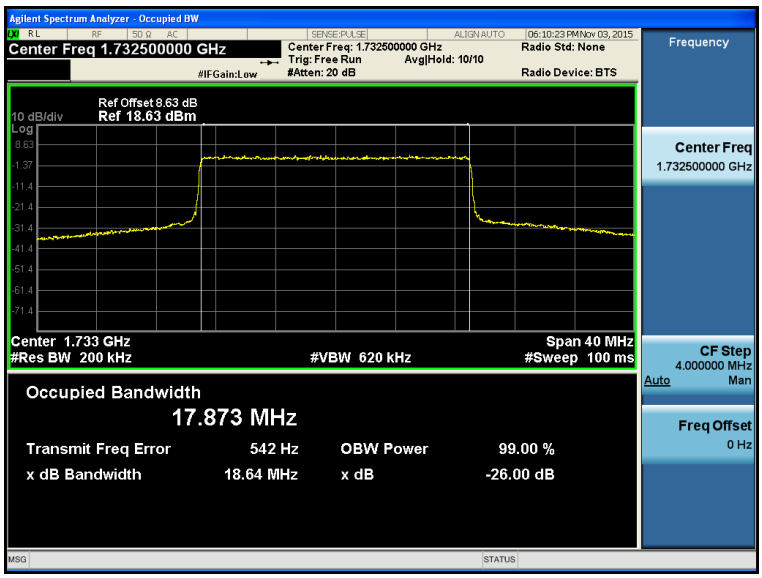


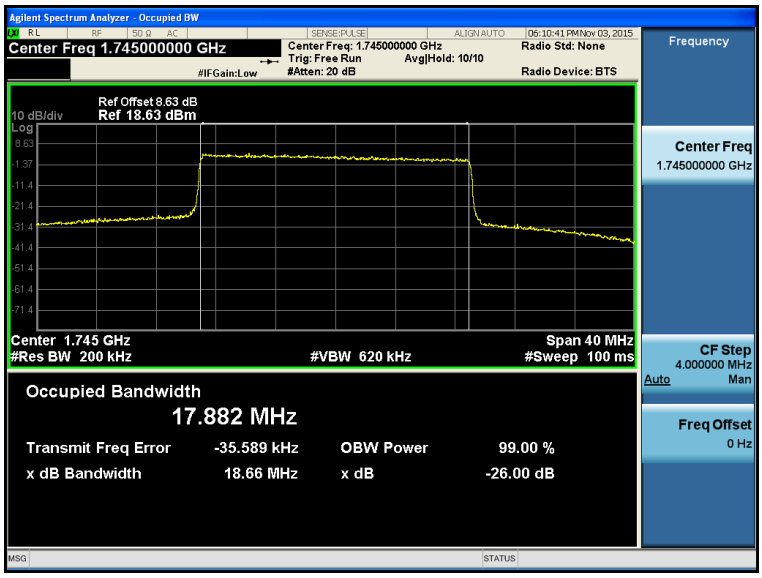




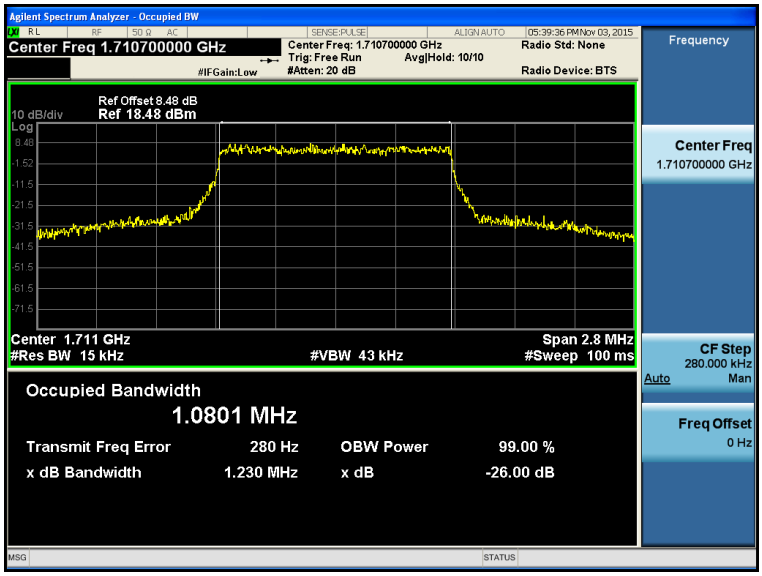
Test Plots For LTE Band IV(QPSK, Bandwidth=20.0MHz, RB=RB100#0)

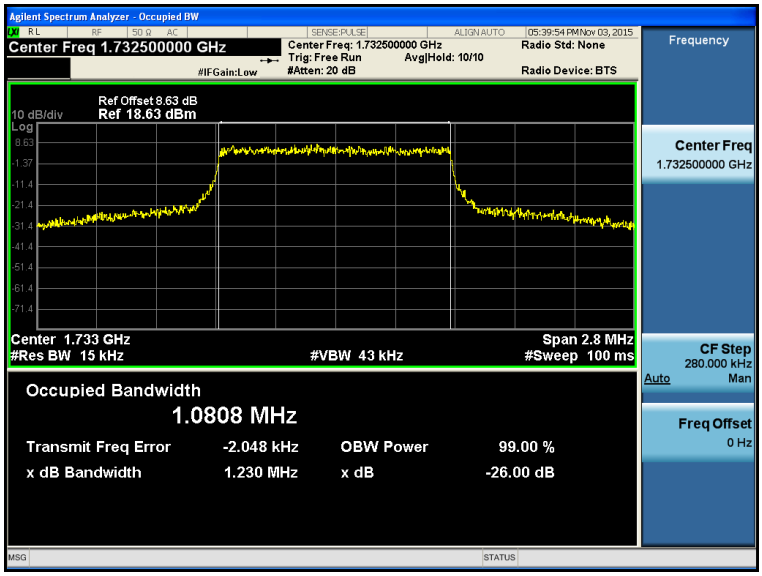


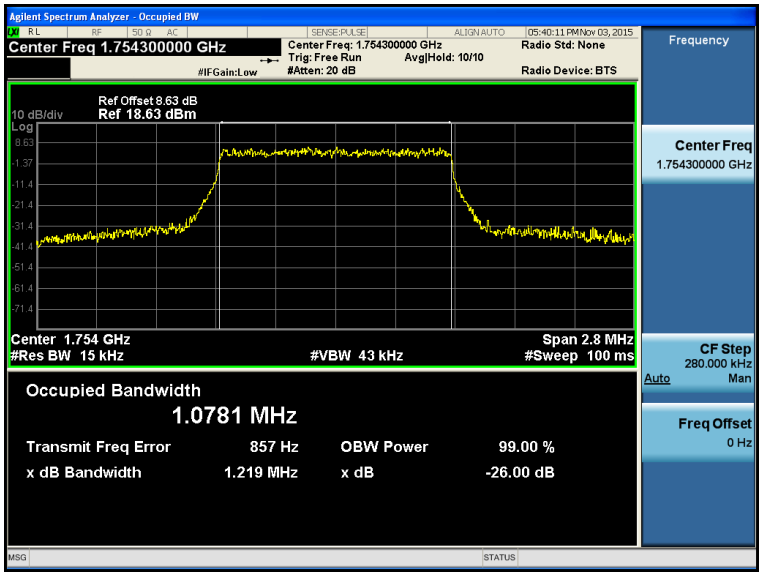




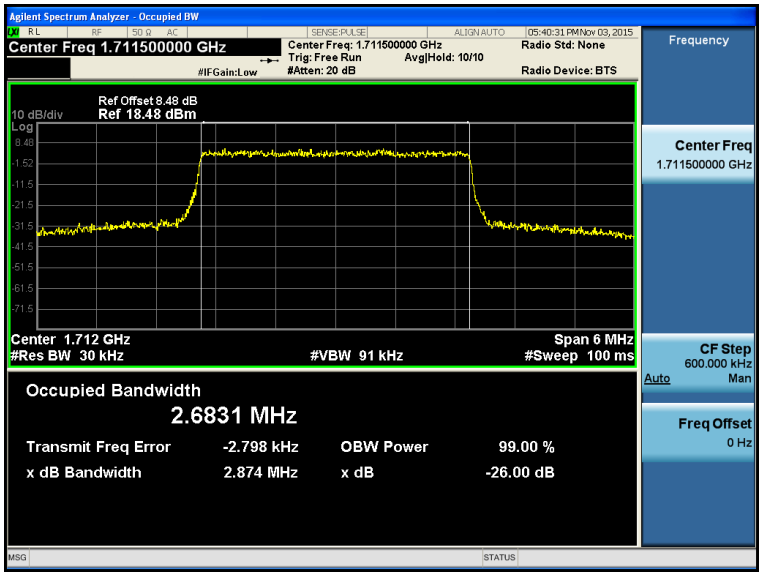
Test Plots For LTE Band IV(16QAM, Bandwidth=1.4MHz, RB=RB6#0)

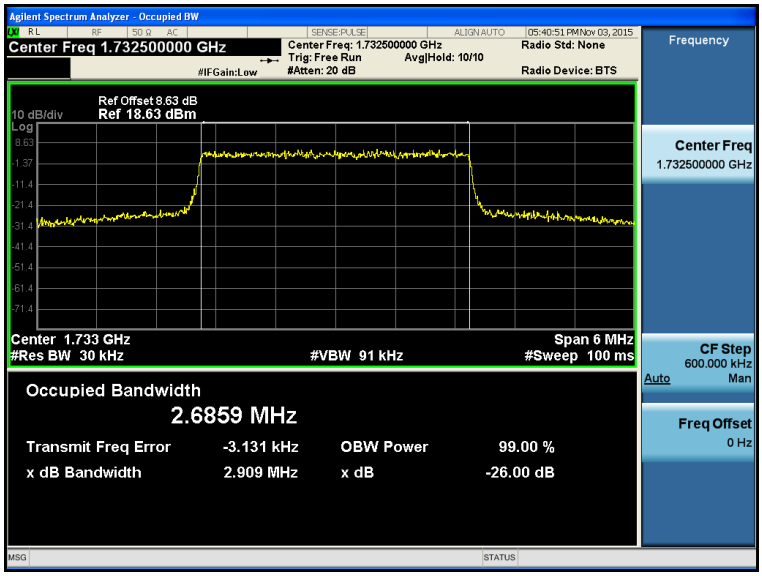


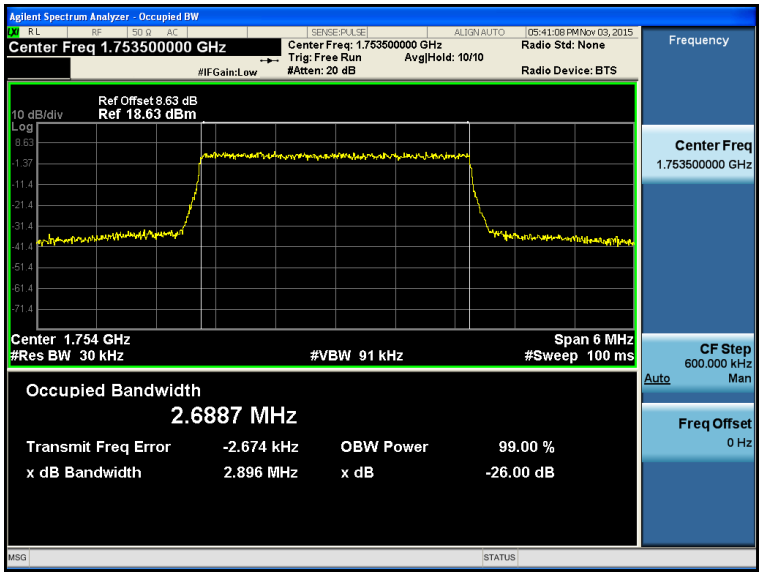




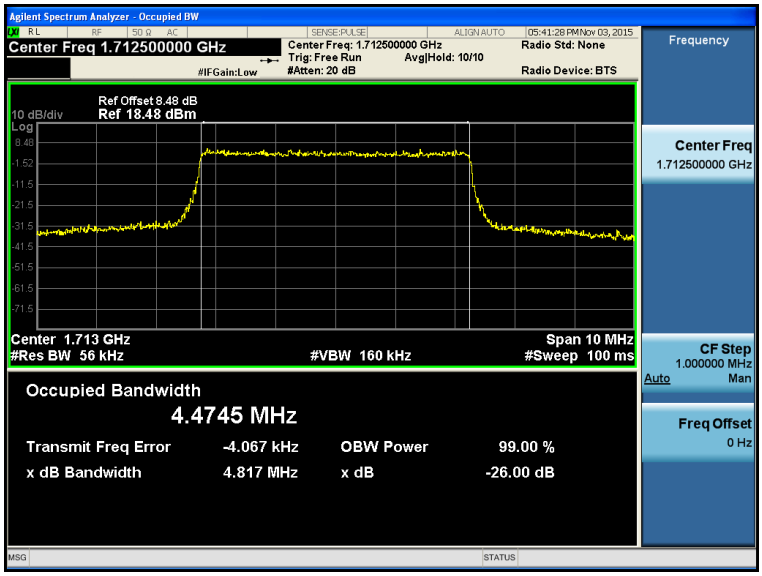
Test Plots For LTE Band IV(16QAM, Bandwidth=3.0MHz, RB=RB15#0)

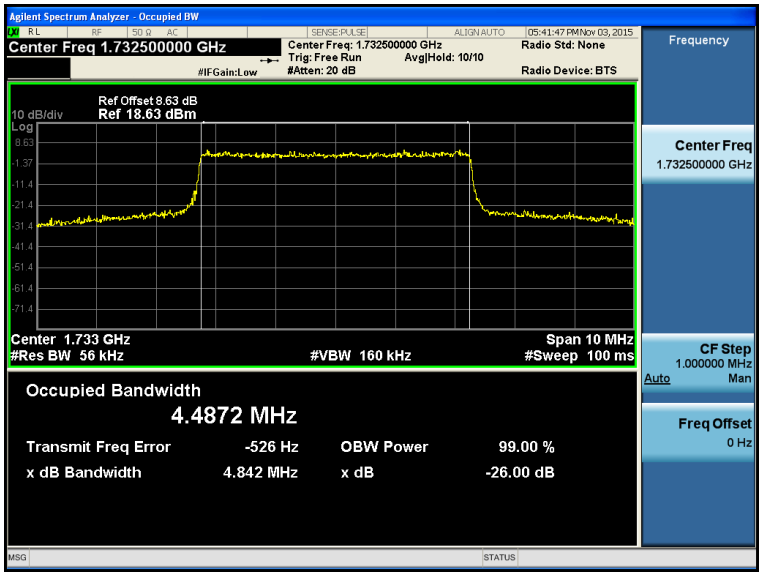


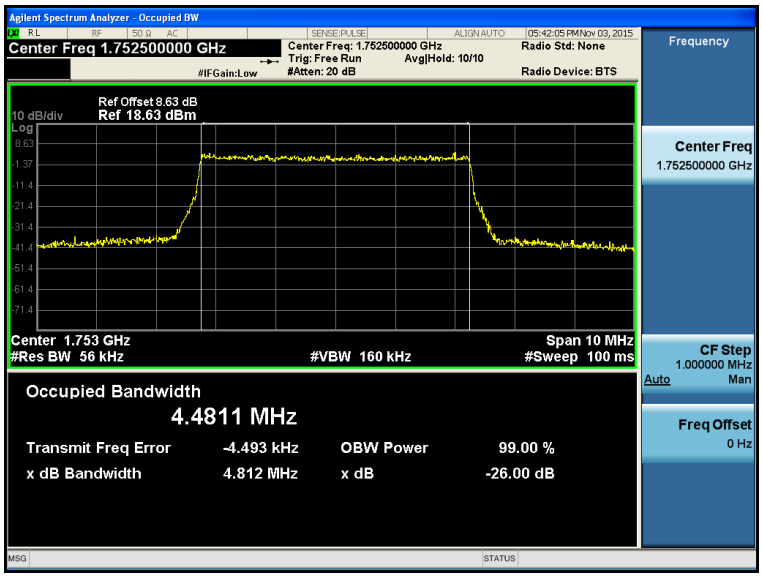




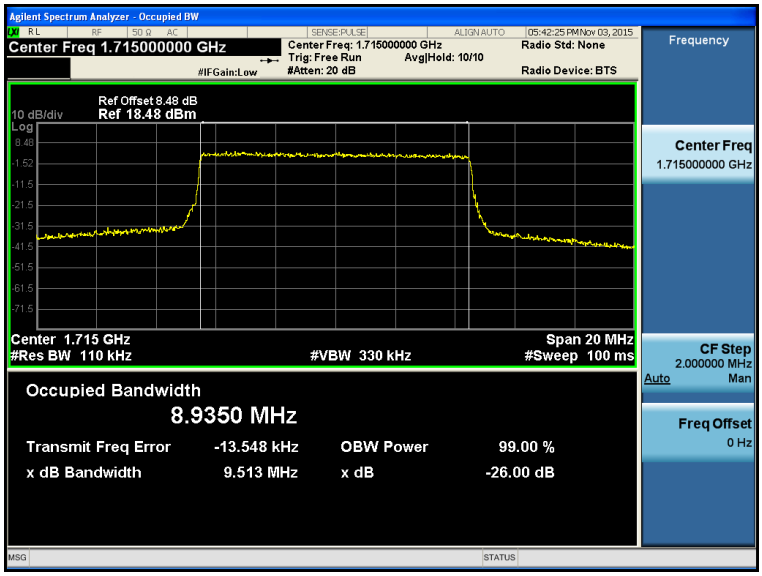
Test Plots For LTE Band IV(16QAM, Bandwidth=5.0MHz, RB=RB25#0)

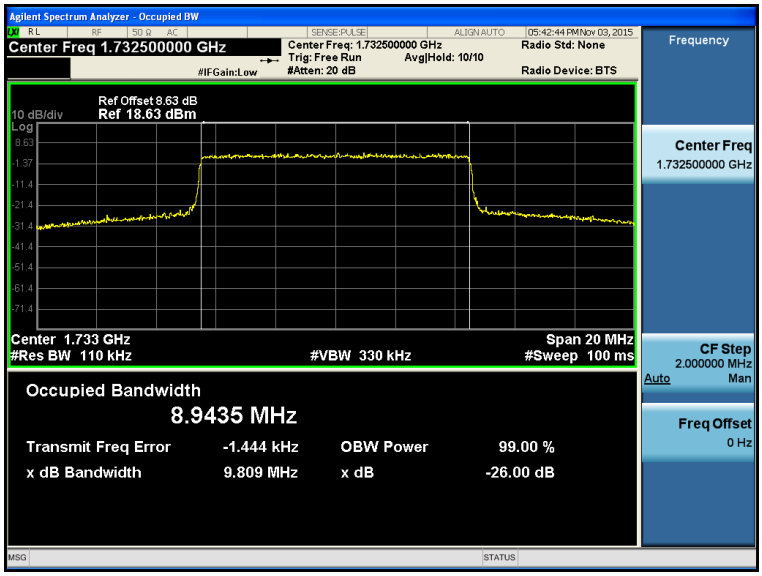


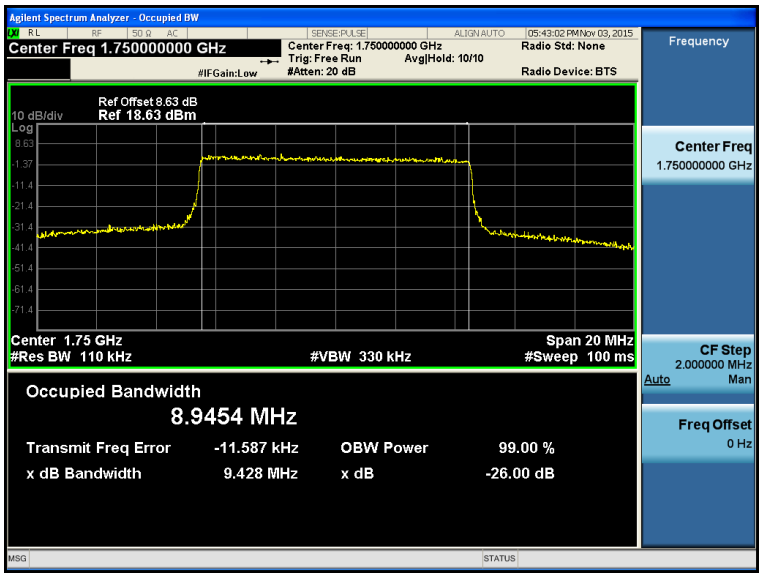




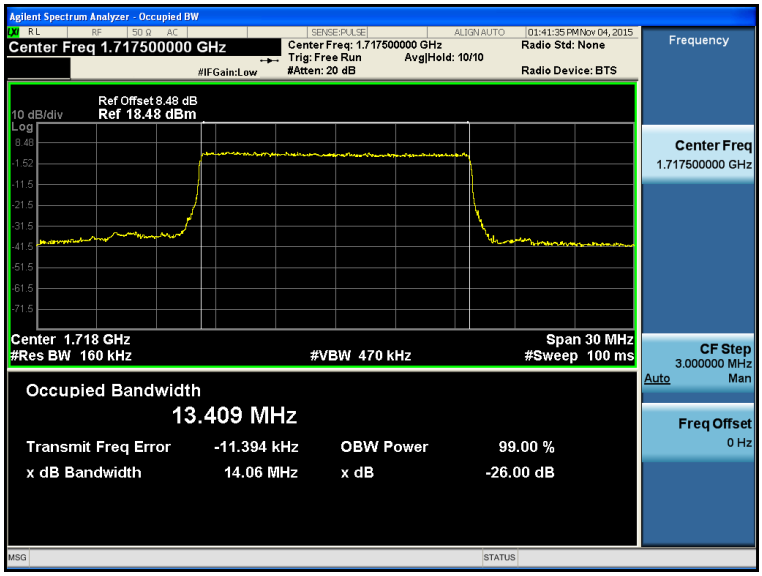
Test Plots For LTE Band IV(16QAM, Bandwidth=10.0MHz, RB=RB50#0)

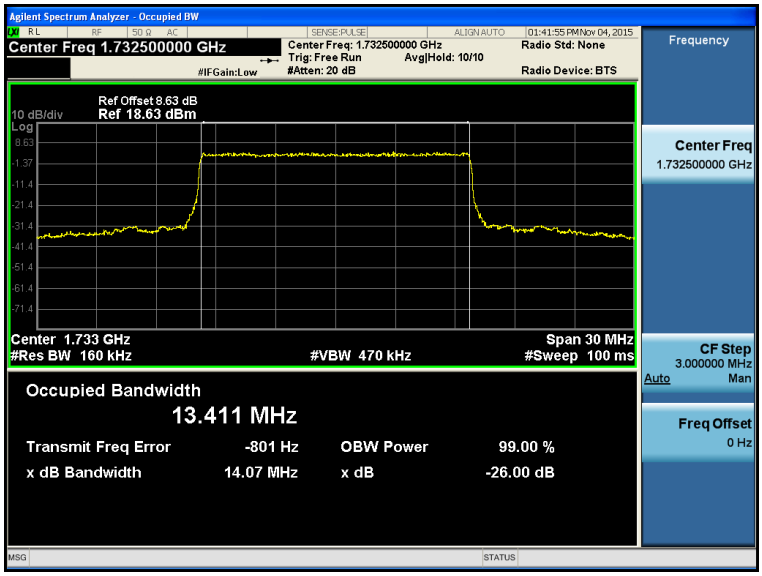


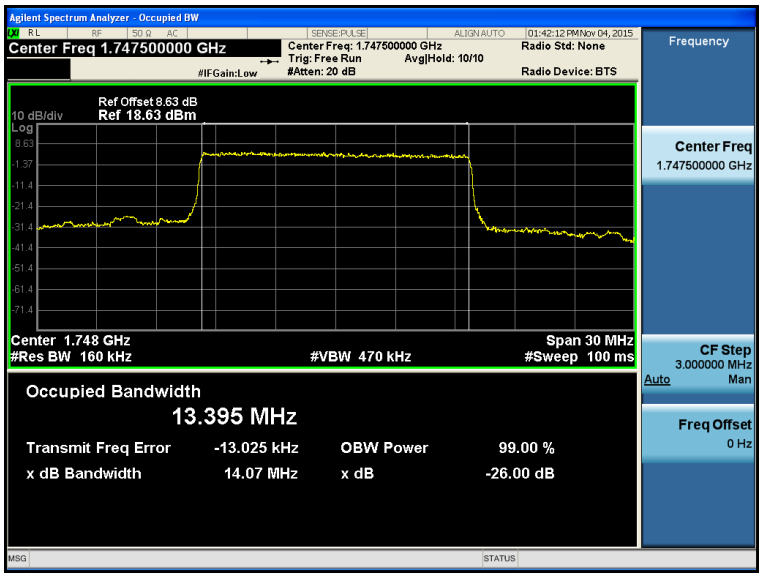




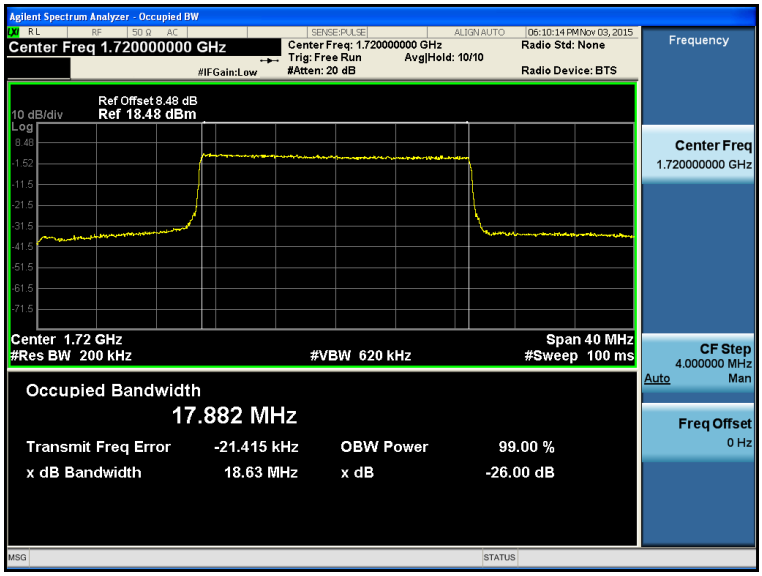
Test Plots For LTE Band IV(16QAM, Bandwidth=15.0MHz, RB=RB75#0)

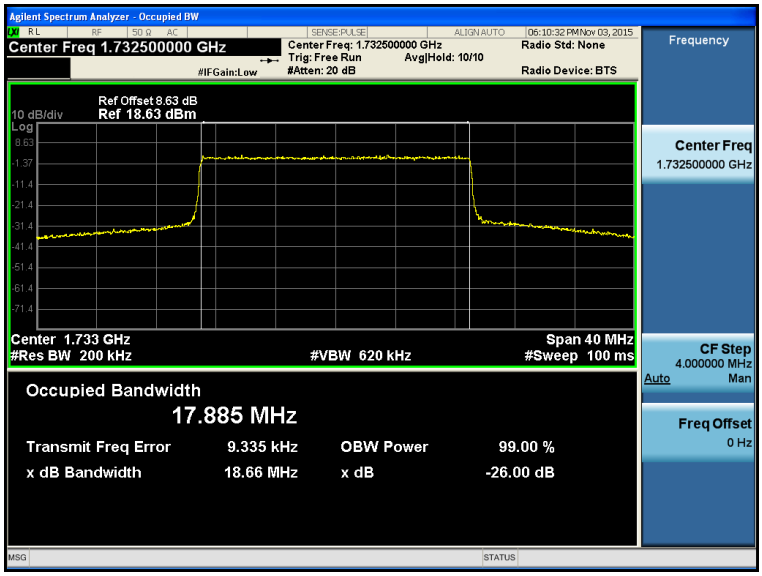


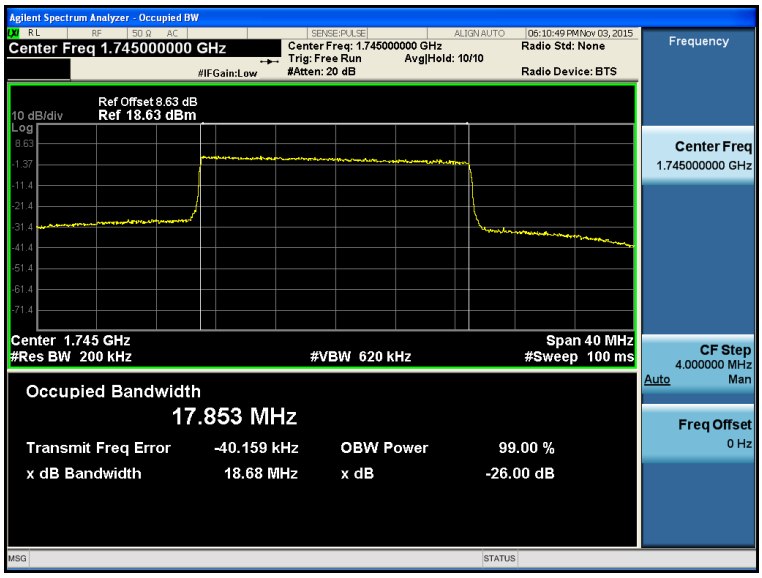




Test Plots For LTE Band IV(16QAM, Bandwidth=20.0MHz, RB=RB100#0)



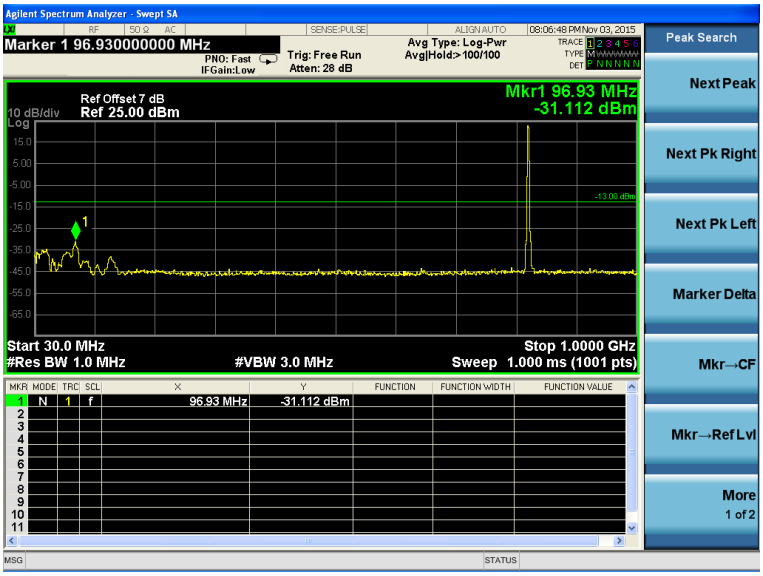


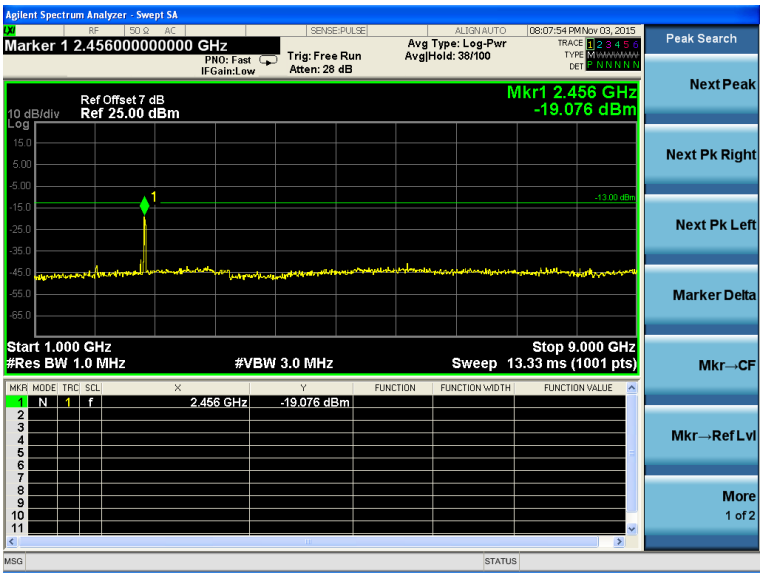


Appendix IV: SPURIOUS AND HARMONIC EMISSION AT ANTENNA TERMINAL

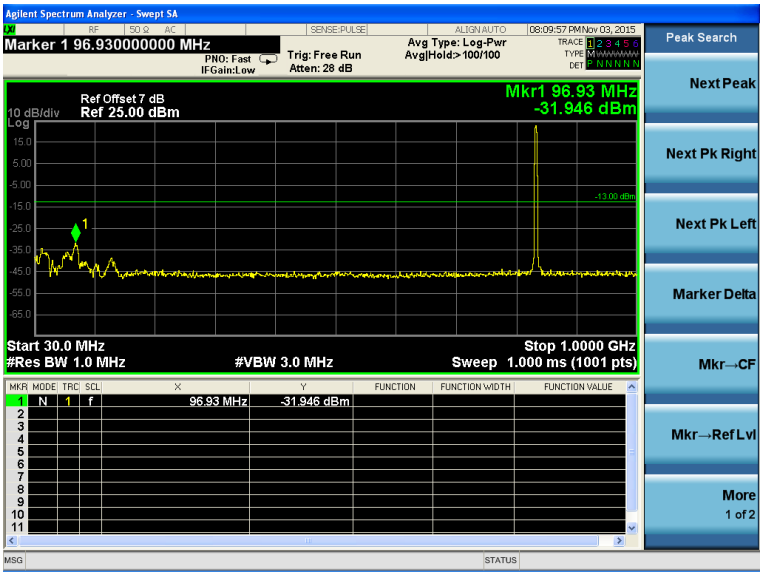
Part I: Test plot of conducted emission

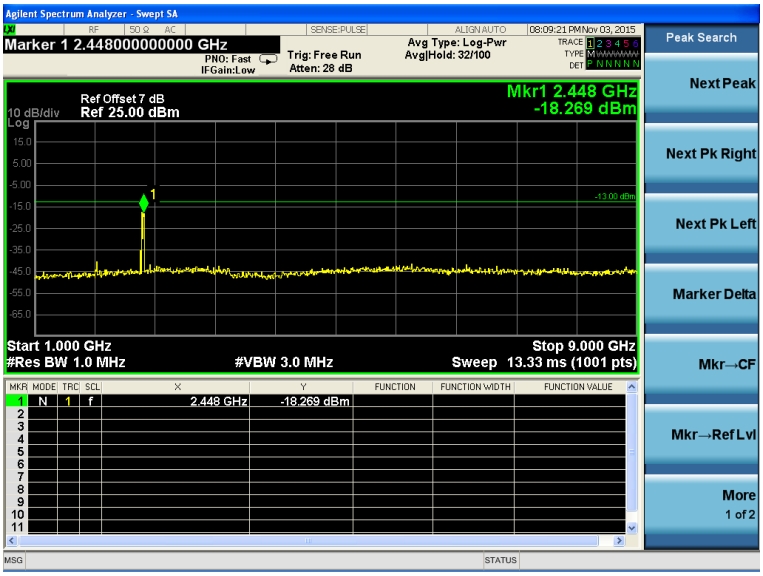
Transmitting Mode, CH 128, GSM 850



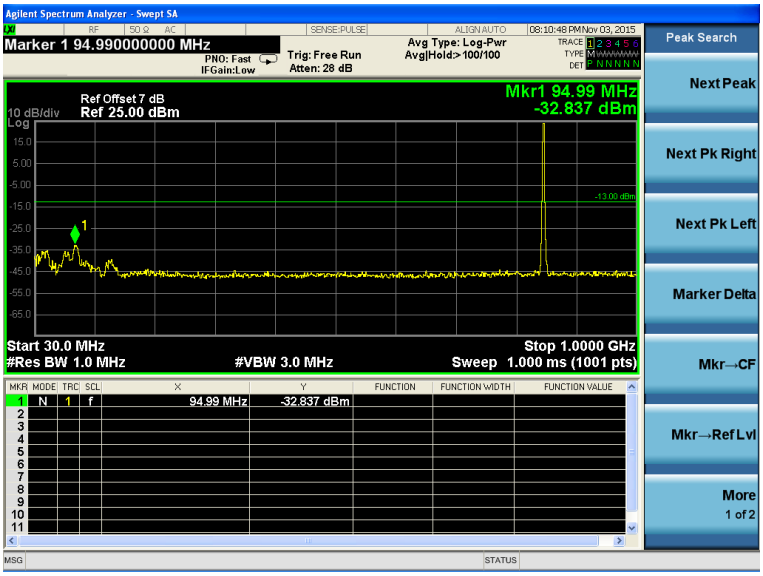


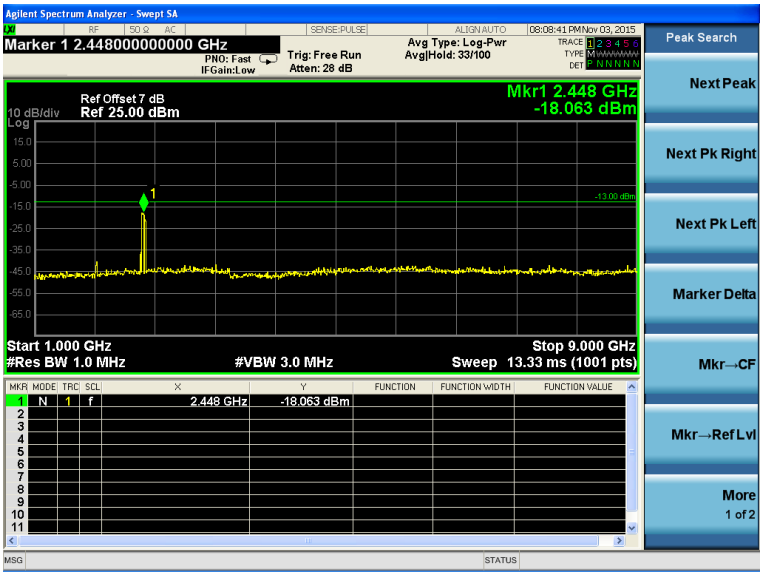
Transmitting Mode, CH 190, GSM 850



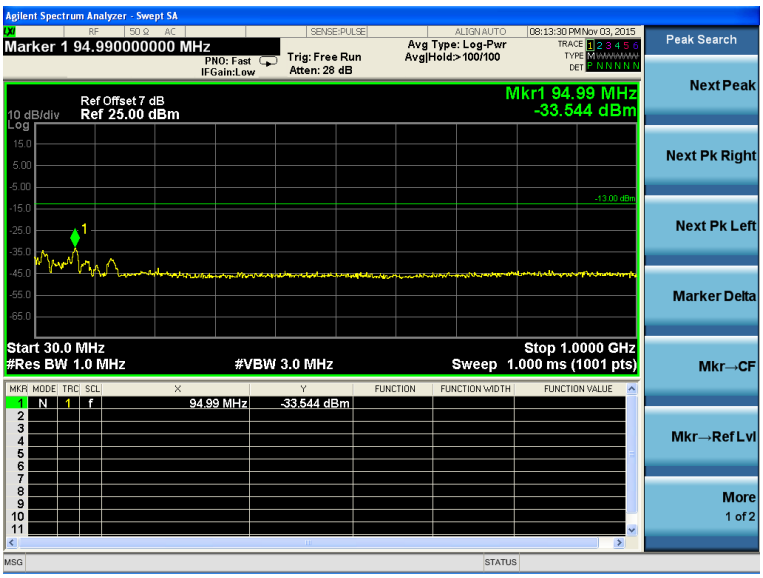


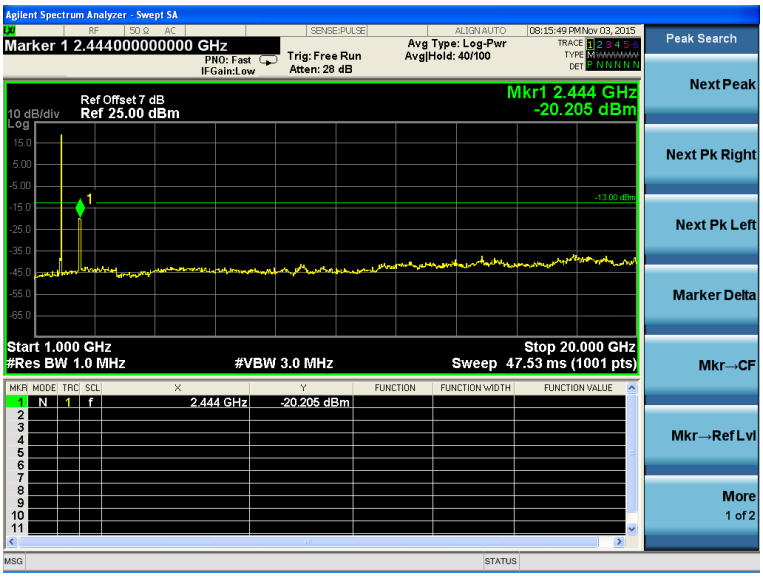
Transmitting Mode, CH 251, GSM 850



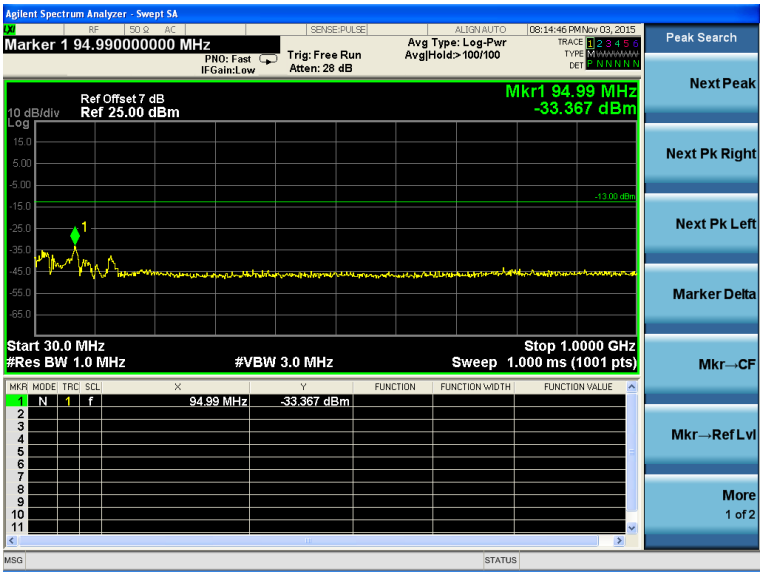


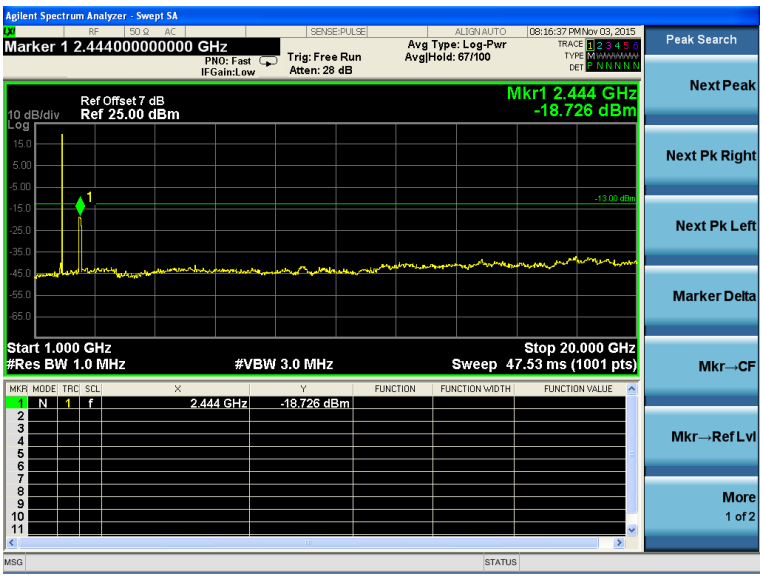
Transmitting Mode, CH 512, PCS 1900



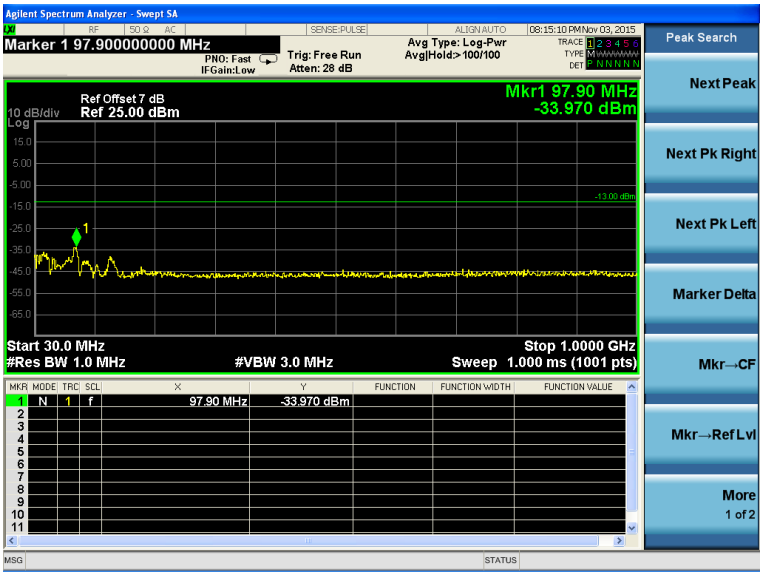


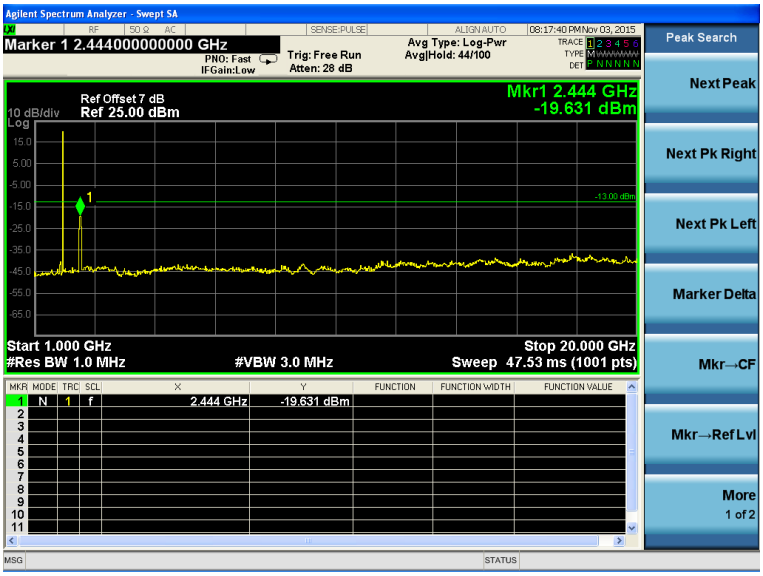
Transmitting Mode, CH 661, PCS 1900



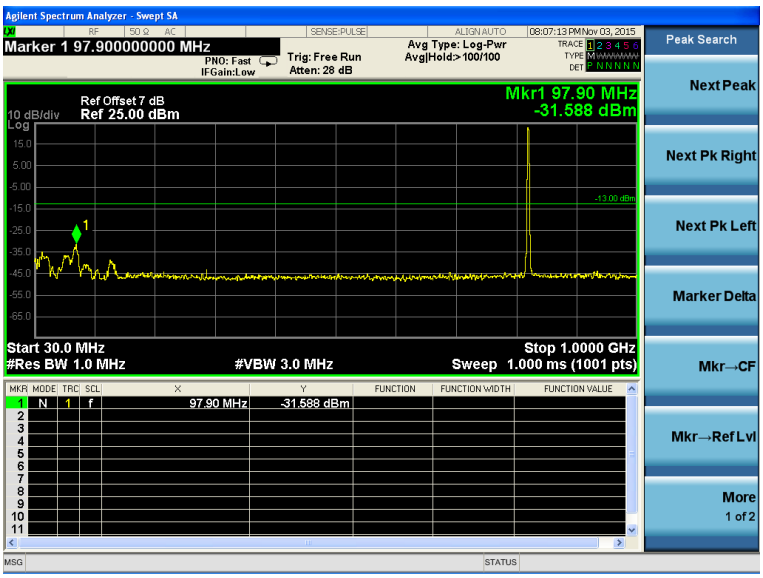


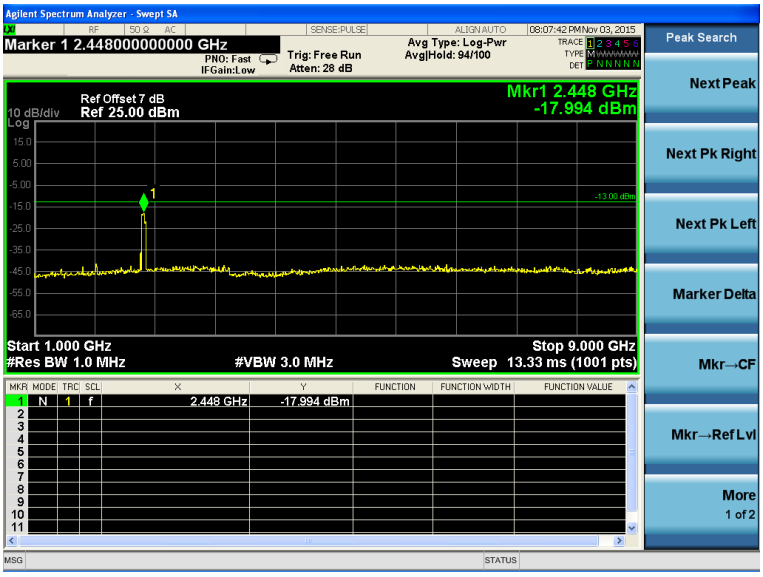
Transmitting Mode, CH 810, PCS 1900



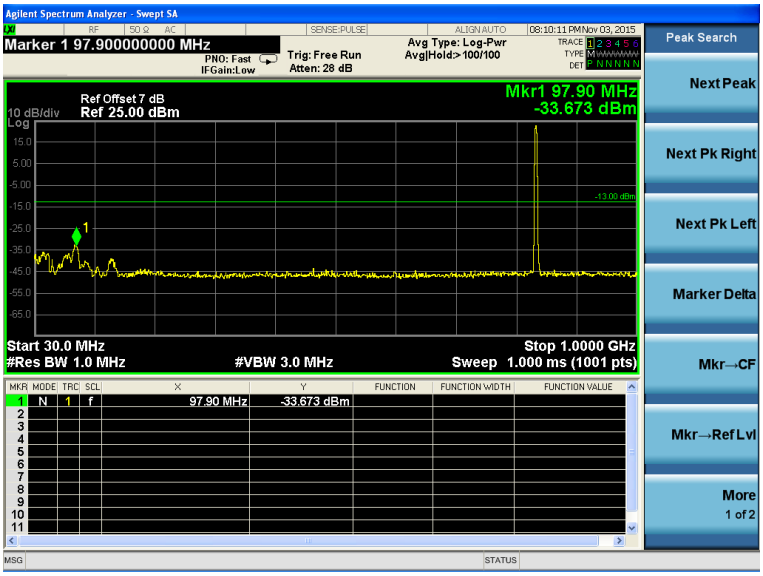


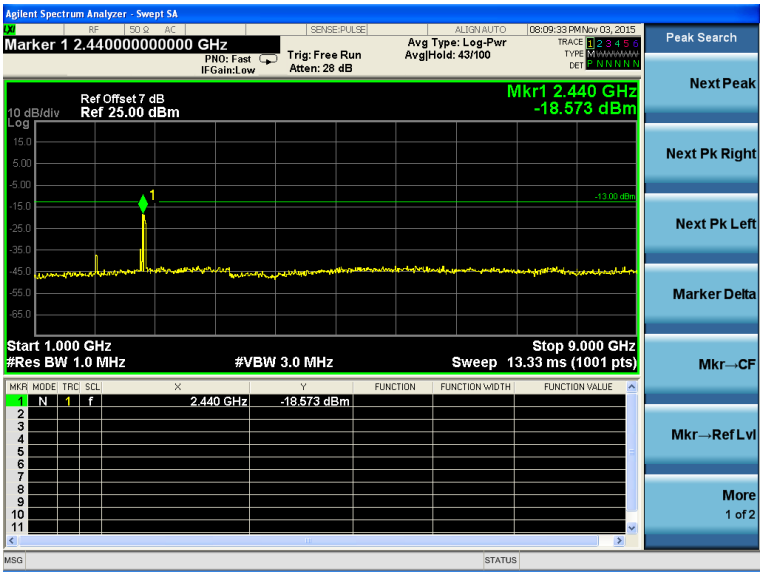
Transmitting Mode, CH 128, GSM 850 EGPRS



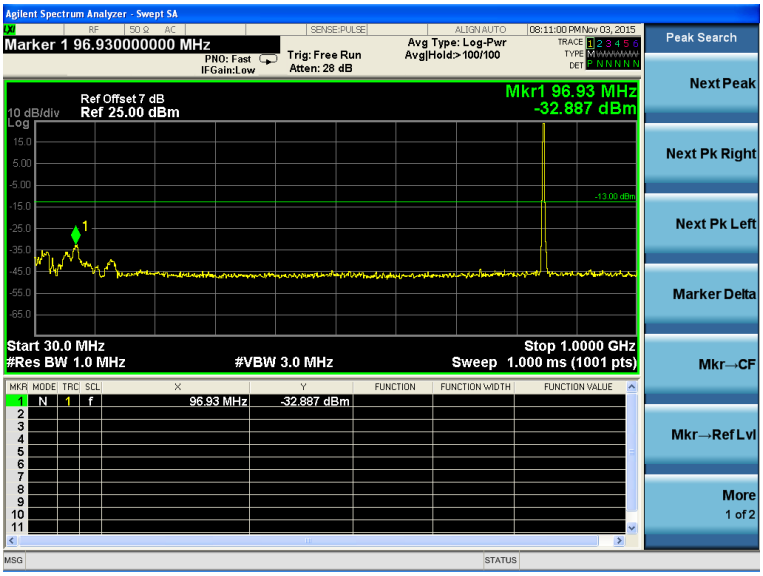


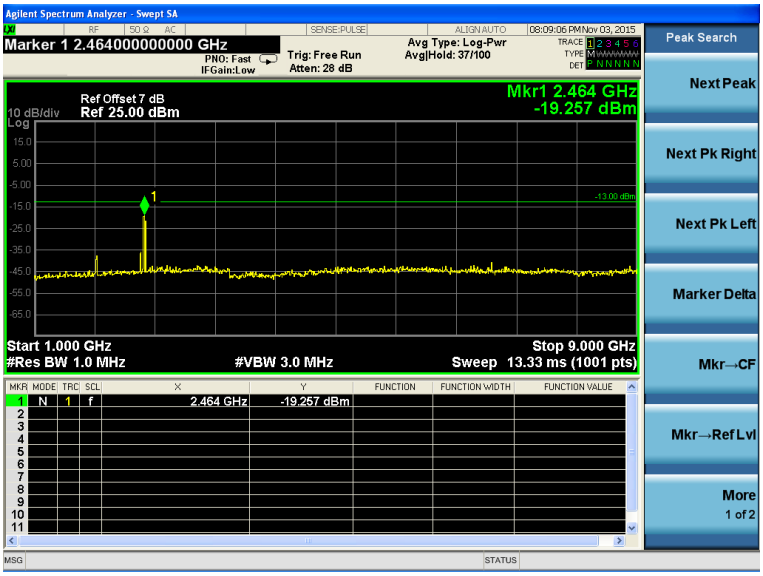
Transmitting Mode, CH 190, GSM 850 EGPRS



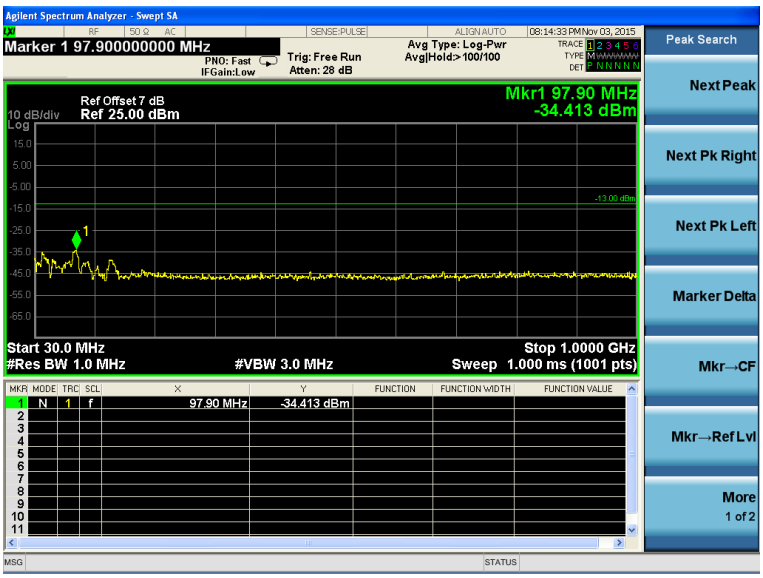


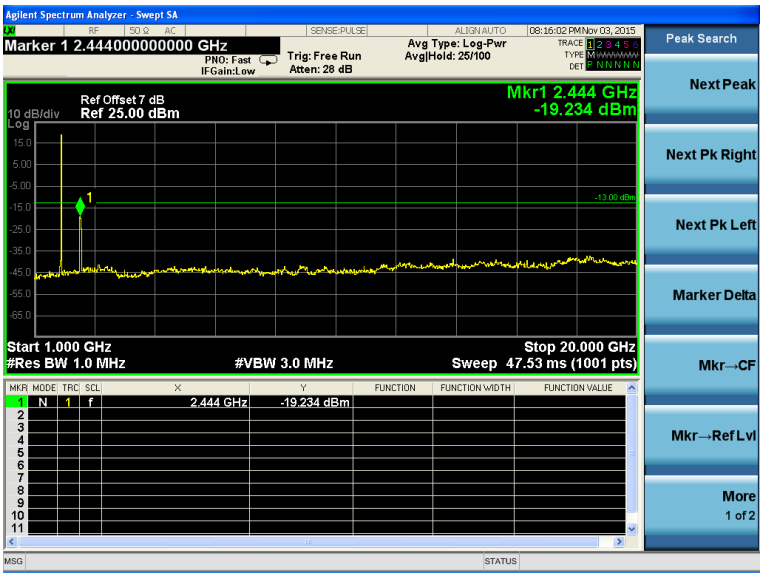
Transmitting Mode, CH 251, GSM 850 EGPRS



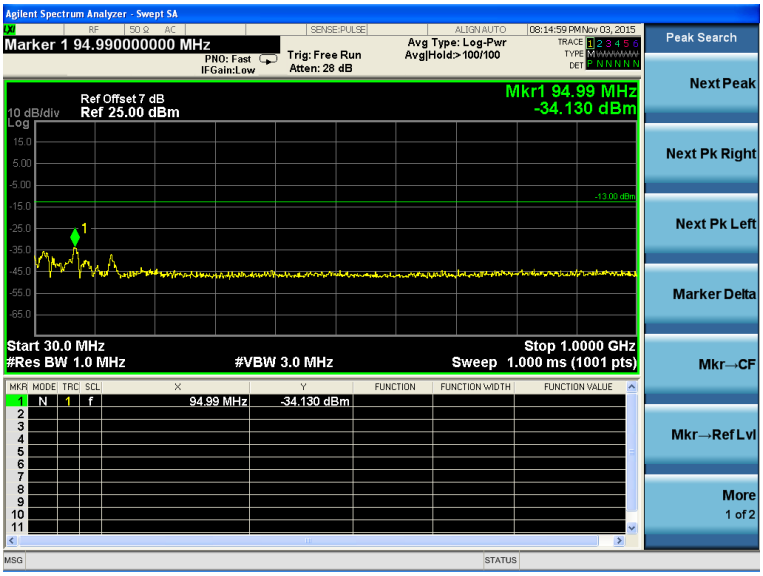


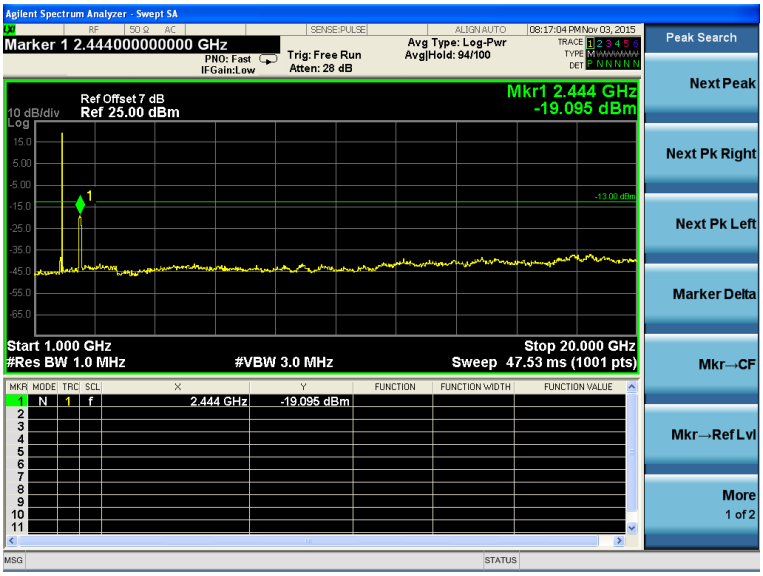
Transmitting Mode, CH 512, PCS 1900 EGPRS



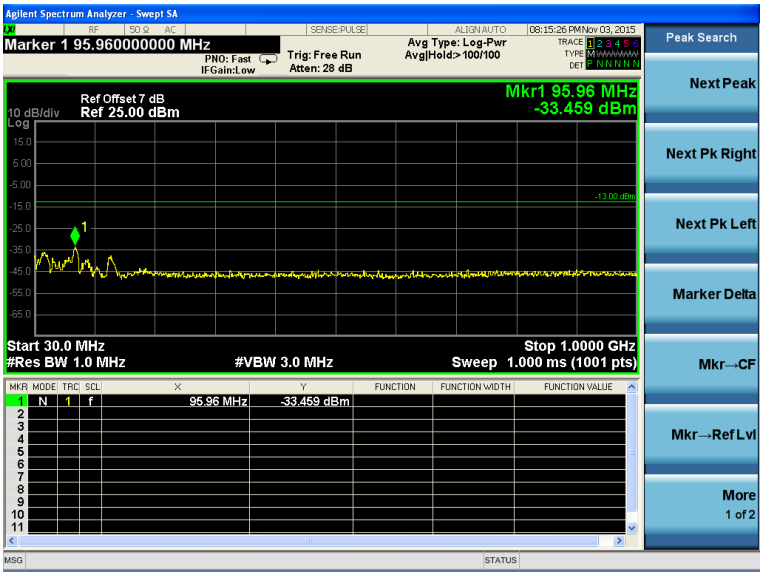


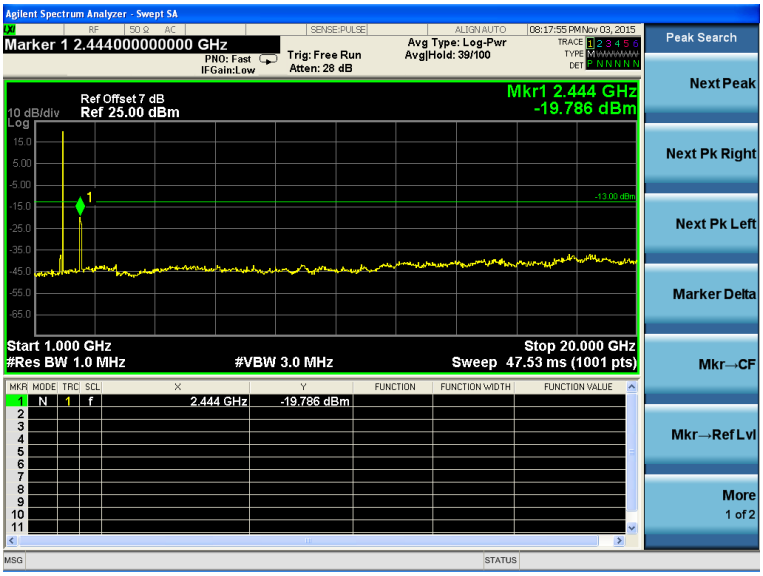
Transmitting Mode, CH 661, PCS 1900 EGPRS



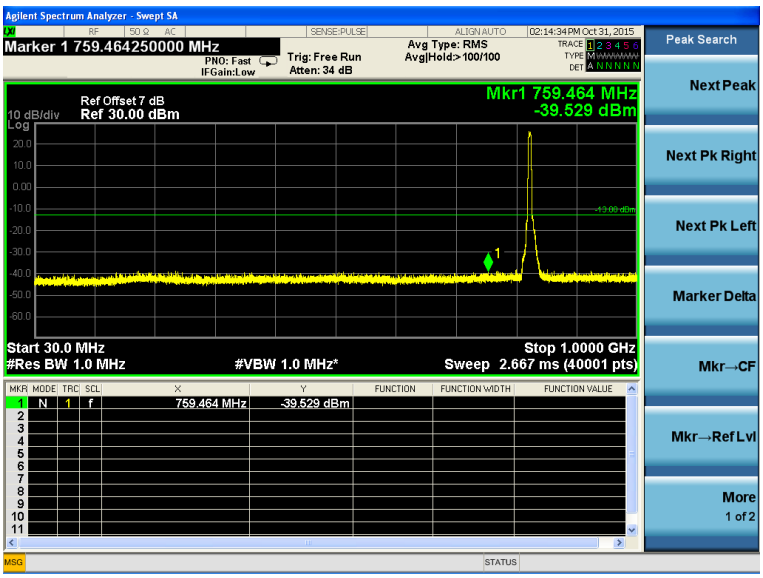


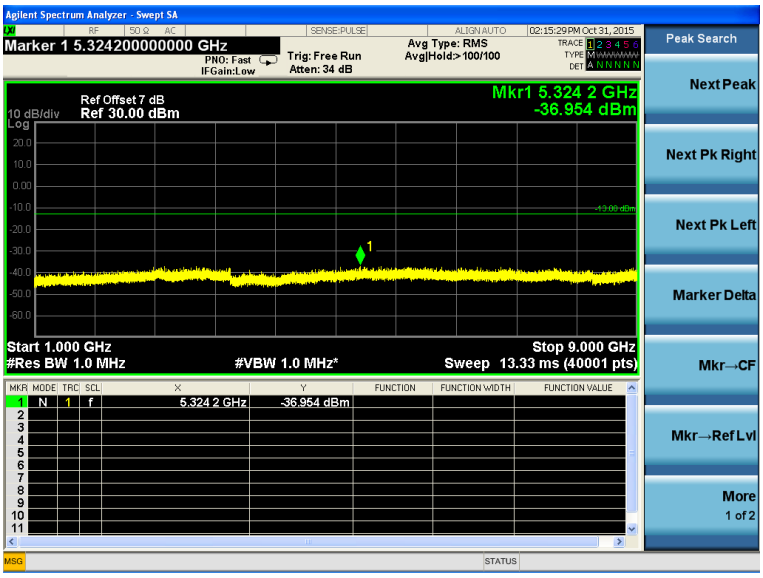
Transmitting Mode, CH 810, PCS 1900 EGPRS



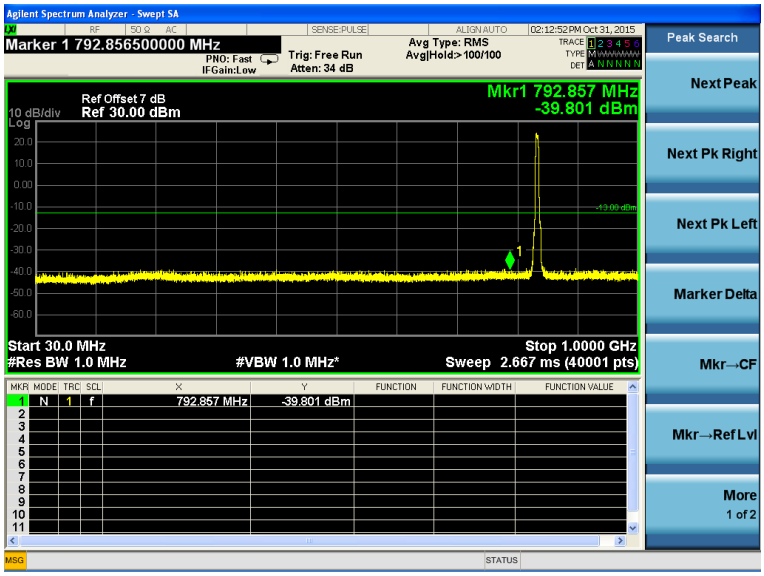


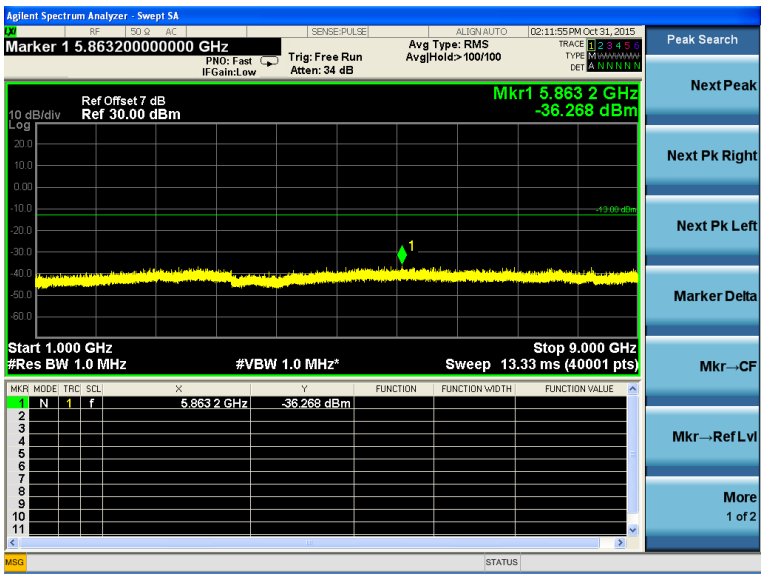
Transmitting Mode, CH 4132, UMTS 850 12.2K RMC



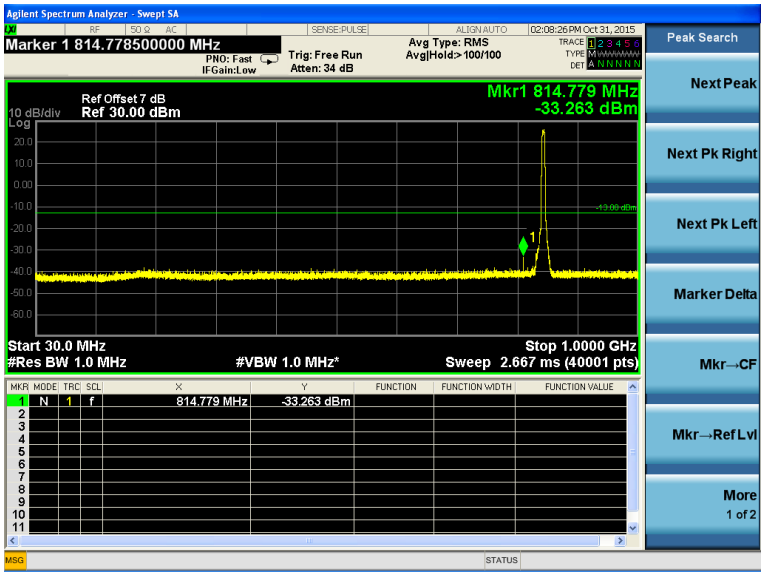


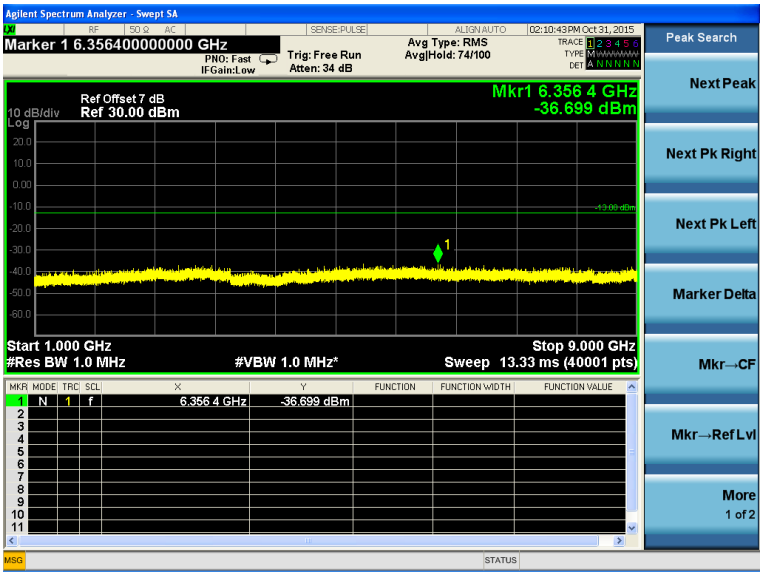
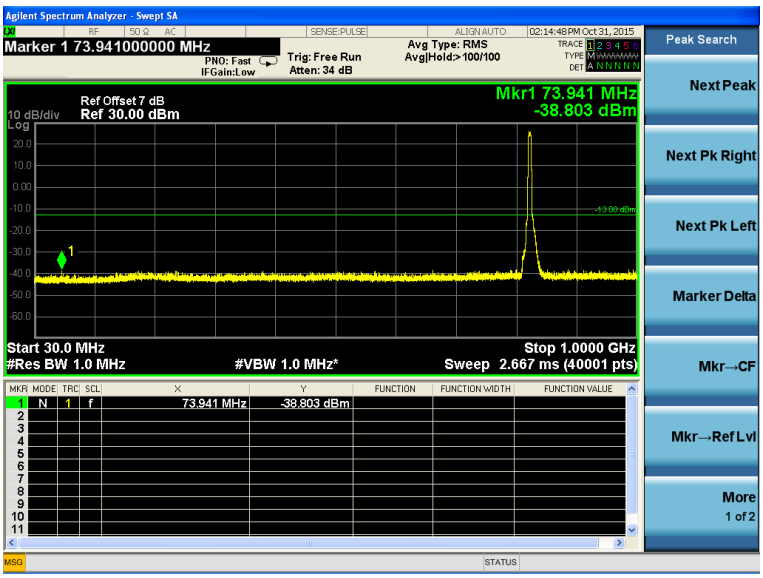
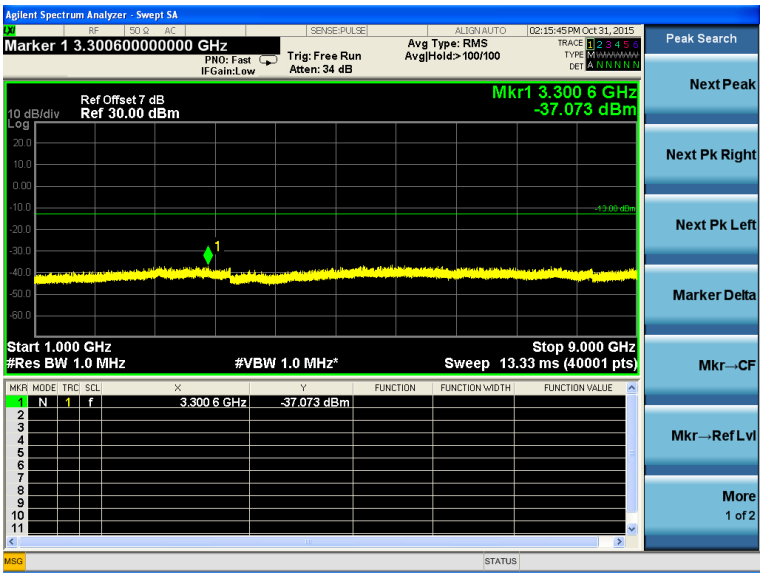
Transmitting Mode, CH 4180, UMTS 850 12.2K RMC





Transmitting Mode, CH 4233, UMTS 850 12.2K RMC





Transmitting Mode, CH 4132, UMTS 850 HSDPA