

## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.25317	0.3854	PASS
		1	3	0.27337	0.4524	PASS
		1	5	0.26318	0.4148	PASS
		3	0	0.56021	0.7744	PASS
		3	2	0.56851	0.8712	PASS
		3	3	0.56678	0.8740	PASS
		6	0	1.0782	1.2800	PASS
	MCH	1	0	0.26308	0.4203	PASS
		1	3	0.27273	0.4243	PASS
		1	5	0.26846	0.4144	PASS
		3	0	0.56422	0.8655	PASS
		3	2	0.56874	0.8390	PASS
		3	3	0.57270	0.8831	PASS
		6	0	1.0820	1.3180	PASS
16QAM	LCH	1	0	0.24789	0.3817	PASS
		1	3	0.28994	0.4428	PASS
		1	5	0.25862	0.4549	PASS
		3	0	0.56075	0.8540	PASS
		3	2	0.55935	0.8104	PASS
		3	3	0.56077	0.8051	PASS
		6	0	1.0796	1.3340	PASS
	MCH	1	0	0.25848	0.4077	PASS
		1	3	0.29775	0.4628	PASS
		1	5	0.26313	0.4047	PASS
		3	0	0.57444	0.8749	PASS
		3	2	0.58976	0.9394	PASS
		3	3	0.58842	0.9841	PASS
		6	0	1.0823	1.3430	PASS

		3	3	0.57048	0.8359	PASS
		6	0	1.0790	1.3200	PASS
HCH	HCH	1	0	0.27435	0.4463	PASS
		1	3	0.29469	0.4081	PASS
		1	5	0.28257	0.4720	PASS
		3	0	0.57016	0.8028	PASS
		3	2	0.58359	0.8697	PASS
		3	3	0.57891	0.8943	PASS
		6	0	1.0844	1.3470	PASS

### Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.31313	0.4478	PASS
		1	7	0.37003	0.5697	PASS
		1	14	0.31581	0.4500	PASS
		8	0	1.4499	1.7710	PASS
		8	4	1.4549	2.1030	PASS
		8	7	1.4510	1.8390	PASS
		15	0	2.6811	2.9950	PASS
	MCH	1	0	0.29912	0.4325	PASS
		1	7	0.36066	0.5162	PASS
		1	14	0.33040	0.4370	PASS
		8	0	1.4509	1.7910	PASS
		8	4	1.4553	2.1570	PASS
		8	7	1.4534	1.7820	PASS
		15	0	2.6808	2.9860	PASS
	HCH	1	0	0.29462	0.3958	PASS
		1	7	0.35183	0.5513	PASS
		1	14	0.30055	0.4277	PASS
		8	0	1.4494	1.8690	PASS
		8	4	1.4532	1.9360	PASS
		8	7	1.4566	1.8330	PASS
		15	0	2.6817	2.9340	PASS
16QAM	LCH	1	0	0.32373	0.4617	PASS
		1	7	0.39980	0.5606	PASS
		1	14	0.32789	0.4297	PASS
		8	0	1.4485	1.8490	PASS
		8	4	1.4588	2.0000	PASS

		8	7	1.4546	1.7710	PASS
		15	0	2.6801	2.9570	PASS
MCH	MCH	1	0	0.32509	0.4843	PASS
		1	7	0.37502	0.4894	PASS
		1	14	033481	0.4545	PASS
		8	0	1.4494	1.8160	PASS
		8	4	1.4556	1.8260	PASS
		8	7	1.4511	1.8180	PASS
		15	0	2.6780	2.9190	PASS
HCH	HCH	1	0	0.30588	0.4352	PASS
		1	7	0.36058	0.5139	PASS
		1	14	0.32634	0.4938	PASS
		8	0	1.4477	1.7840	PASS
		8	4	1.4522	2.0510	PASS
		8	7	1.4474	1.8950	PASS
		15	0	2.6871	2.9760	PASS

### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.40243	0.5749	PASS
		1	12	0.43645	0.6133	PASS
		1	24	0.39721	0.5588	PASS
		12	0	2.1865	2.796	PASS
		12	6	2.1877	2.744	PASS
		12	13	2.1806	2.692	PASS
		25	0	4.4766	4.857	PASS
	MCH	1	0	0.38401	0.5515	PASS
		1	12	0.43642	0.6105	PASS
		1	24	0.39809	0.5603	PASS
		12	0	2.1781	2.717	PASS
		12	6	2.1874	2.816	PASS
		12	13	2.1892	2.742	PASS
		25	0	4.4788	4.863	PASS
	HCH	1	0	0.38617	0.5954	PASS
		1	12	0.47749	0.6384	PASS
		1	24	0.42421	0.5877	PASS
		12	0	2.1823	2.630	PASS
		12	6	2.1868	2.972	PASS

		12	13	2.1882	2.729	PASS
		25	0	4.4773	4.967	PASS
16QAM	LCH	1	0	0.39022	0.5733	PASS
		1	12	0.47086	0.6048	PASS
		1	24	0.42497	0.5589	PASS
		12	0	2.1798	2.782	PASS
		12	6	2.1855	2.855	PASS
		12	13	2.1820	2.662	PASS
		25	0	4.4754	4.890	PASS
	MCH	1	0	0.41738	0.5712	PASS
		1	12	0.45816	0.6343	PASS
		1	24	0.45169	0.5712	PASS
		12	0	2.1818	2.757	PASS
		12	6	2.1856	2.827	PASS
		12	13	2.1777	2.837	PASS
		25	0	4.4719	4.942	PASS
	HCH	1	0	0.42219	0.5970	PASS
		1	12	0.50050	0.6935	PASS
		1	24	0.44373	0.6004	PASS
		12	0	2.1841	2.825	PASS
		12	6	2.1894	2.753	PASS
		12	13	2.1898	2.665	PASS
		25	0	4.4799	4.926	PASS

### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.49913	0.7044	PASS
		1	25	0.56278	0.7401	PASS
		1	49	0.48491	0.6704	PASS
		25	0	4.5261	5.285	PASS
		25	12	4.5335	5.421	PASS
		25	25	4.5326	5.374	PASS
		50	0	8.9571	9.636	PASS
	MCH	1	0	0.47750	0.6630	PASS
		1	25	0.56802	0.7457	PASS
		1	49	0.49474	0.6658	PASS
		25	0	4.5361	5.195	PASS
		25	12	4.5287	5.475	PASS
		25	25	4.5279	5.428	PASS

		50	0	8.9624	9.519	PASS
16QAM	HCH	1	0	0.47706	0.6710	PASS
		1	25	0.59238	0.7340	PASS
		1	49	0.51613	0.6909	PASS
		25	0	4.5189	5.084	PASS
		25	12	4.5264	5.460	PASS
		25	25	4.5288	5.401	PASS
		50	0	8.9462	9.564	PASS
16QAM	LCH	1	0	0.50849	0.6822	PASS
		1	25	0.56039	0.6993	PASS
		1	49	0.51550	0.6511	PASS
		25	0	4.5167	5.066	PASS
		25	12	4.5179	5.454	PASS
		25	25	4.5311	5.180	PASS
		50	0	8.9464	9.576	PASS
	MCH	1	0	0.50741	0.6411	PASS
		1	25	0.55541	0.7497	PASS
		1	49	0.52401	0.6607	PASS
		25	0	4.5210	5.115	PASS
		25	12	4.5291	5.547	PASS
		25	25	4.5253	5.315	PASS
		50	0	8.9431	9.515	PASS
16QAM	HCH	1	0	0.49607	0.6488	PASS
		1	25	0.53588	0.6903	PASS
		1	49	0.50178	0.6752	PASS
		25	0	4.5249	5.216	PASS
		25	12	4.5378	5.470	PASS
		25	25	4.5271	5.311	PASS
		50	0	8.9521	9.584	PASS

### Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.63505	0.8158	PASS
		1	37	0.63513	0.8440	PASS
		1	74	0.54967	0.7573	PASS
		37	0	6.5014	7.401	PASS
		37	18	6.5028	7.581	PASS
		37	38	6.5050	7.423	PASS
		75	0	13.432	14.25	PASS

	MCH	1	0	0.60307	0.7437	PASS
		1	37	0.65273	0.8557	PASS
		1	74	0.57164	0.7794	PASS
		37	0	6.5064	7.299	PASS
		37	18	6.5043	7.584	PASS
		37	38	6.5207	7.497	PASS
		75	0	13.431	14.21	PASS
	HCH	1	0	0.62924	0.8003	PASS
		1	37	0.64156	0.8660	PASS
		1	74	0.61168	0.8249	PASS
		37	0	6.4900	7.214	PASS
		37	18	6.4934	7.337	PASS
		37	38	6.5104	7.499	PASS
		75	0	13.385	14.02	PASS
16QAM	LCH	1	0	0.64071	0.8274	PASS
		1	37	0.63872	0.8547	PASS
		1	74	0.59406	0.7670	PASS
		37	0	6.5013	7.553	PASS
		37	18	6.5003	7.739	PASS
		37	38	6.4959	7.372	PASS
		75	0	13.414	14.23	PASS
	MCH	1	0	0.60096	0.7833	PASS
		1	37	0.64678	0.8410	PASS
		1	74	0.61705	0.7574	PASS
		37	0	6.4988	7.247	PASS
		37	18	6.5030	7.623	PASS
		37	38	6.5090	7.487	PASS
		75	0	13.402	14.11	PASS
	HCH	1	0	0.63590	0.7966	PASS
		1	37	0.63459	0.8056	PASS
		1	74	0.60999	0.7787	PASS
		37	0	6.4921	7.517	PASS
		37	18	6.4910	7.382	PASS
		37	38	6.5057	7.486	PASS
		75	0	13.374	14.08	PASS

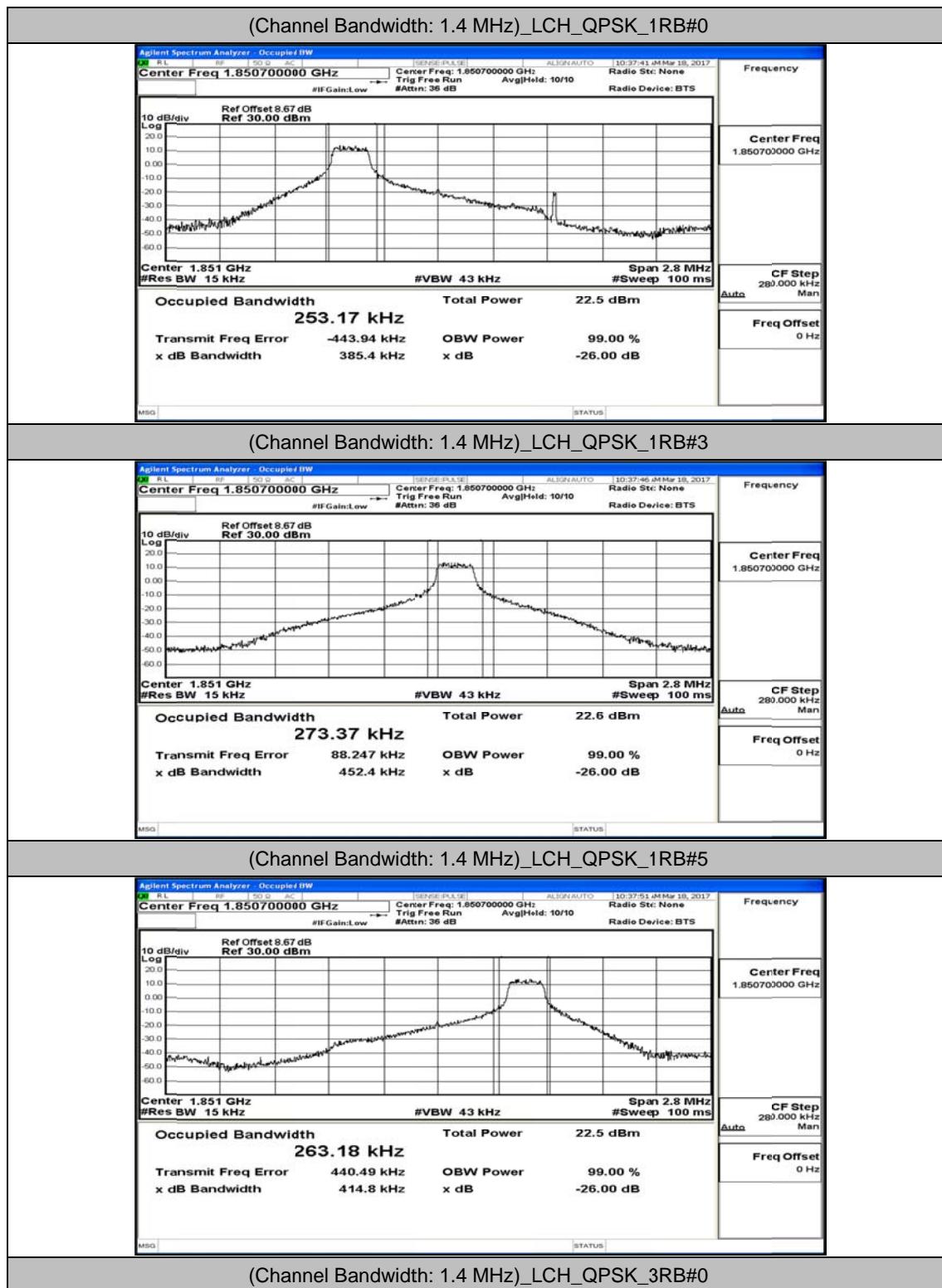
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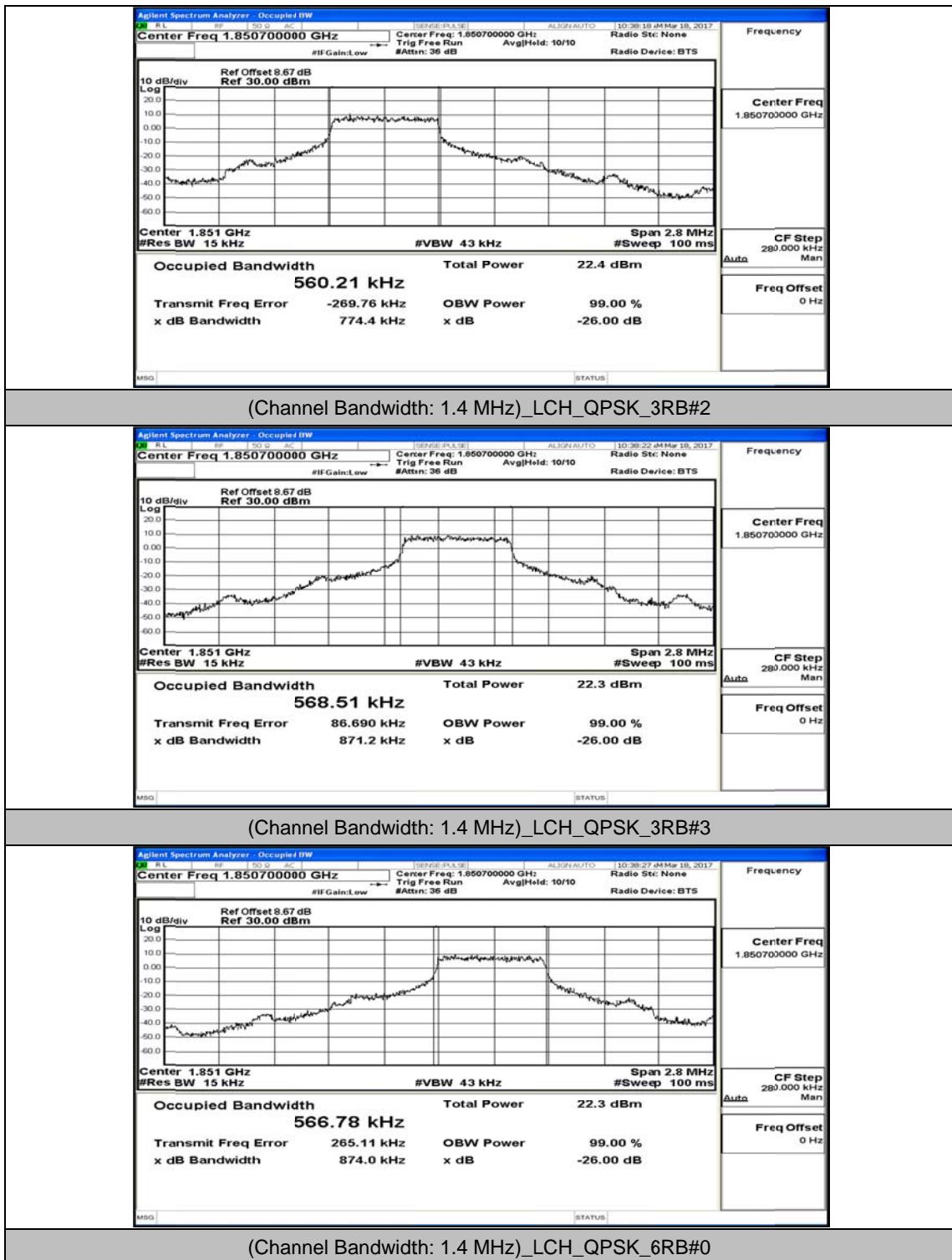
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			

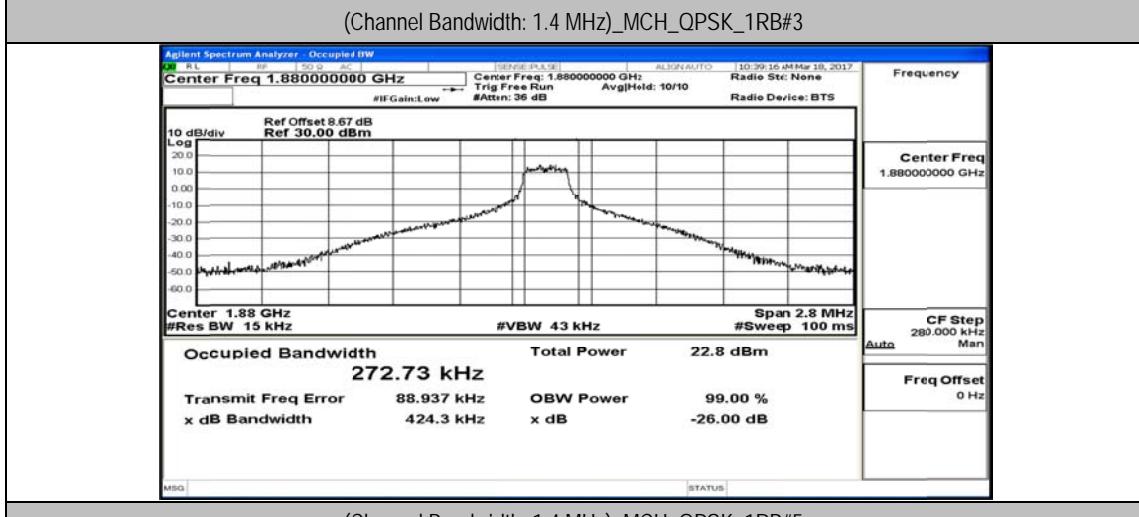
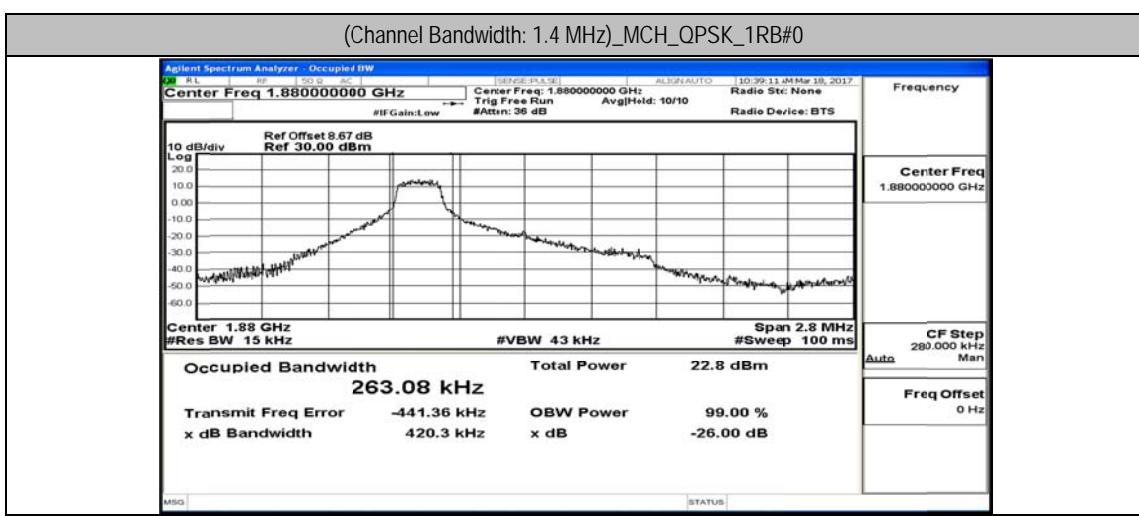
QPSK	LCH	1	0	0.71208	0.9499	PASS
		1	50	0.70030	0.9976	PASS
		1	99	0.67037	0.9017	PASS
		50	0	9.0247	10.25	PASS
		50	25	9.0045	9.887	PASS
		50	50	9.0170	10.10	PASS
		100	0	17.901	18.89	PASS
	MCH	1	0	0.67111	1.013	PASS
		1	50	0.71964	0.9386	PASS
		1	99	0.68988	0.8913	PASS
		50	0	9.0120	10.13	PASS
		50	25	9.0164	10.34	PASS
		50	50	9.0301	10.38	PASS
		100	0	17.923	18.87	PASS
	HCH	1	0	0.70042	0.8785	PASS
		1	50	0.70191	0.9047	PASS
		1	99	0.74174	0.8694	PASS
		50	0	9.0113	10.33	PASS
		50	25	8.9800	9.817	PASS
		50	50	8.9963	9.802	PASS
		100	0	17.844	18.84	PASS
16QAM	LCH	1	0	0.72615	0.9386	PASS
		1	50	0.69739	0.9410	PASS
		1	99	0.67103	0.8875	PASS
		50	0	9.0266	10.08	PASS
		50	25	9.0098	10.01	PASS
		50	50	8.9916	9.941	PASS
		100	0	17.908	18.97	PASS
	MCH	1	0	0.69157	0.9407	PASS
		1	50	0.69988	0.8650	PASS
		1	99	0.67244	0.8798	PASS
		50	0	8.9931	9.796	PASS
		50	25	9.0135	9.817	PASS
		50	50	9.0386	10.26	PASS
		100	0	17.887	18.81	PASS
	HCH	1	0	0.72473	0.8985	PASS
		1	50	0.65925	0.8993	PASS
		1	99	0.73220	0.9097	PASS
		50	0	9.0064	10.11	PASS
		50	25	8.9784	9.829	PASS
		50	50	9.0146	9.843	PASS
		100	0	17.842	18.81	PASS

## Test Graphs

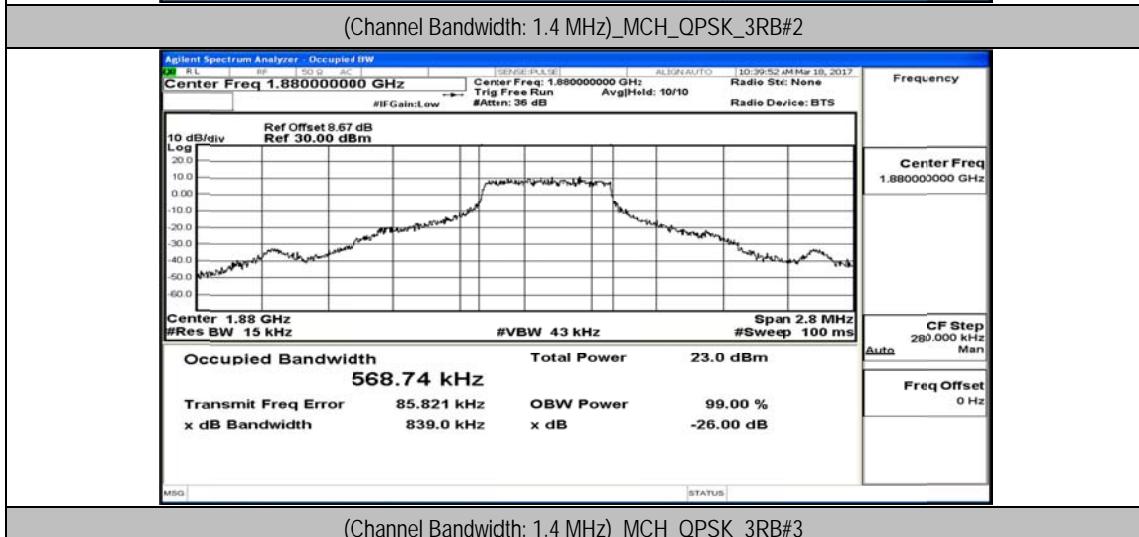
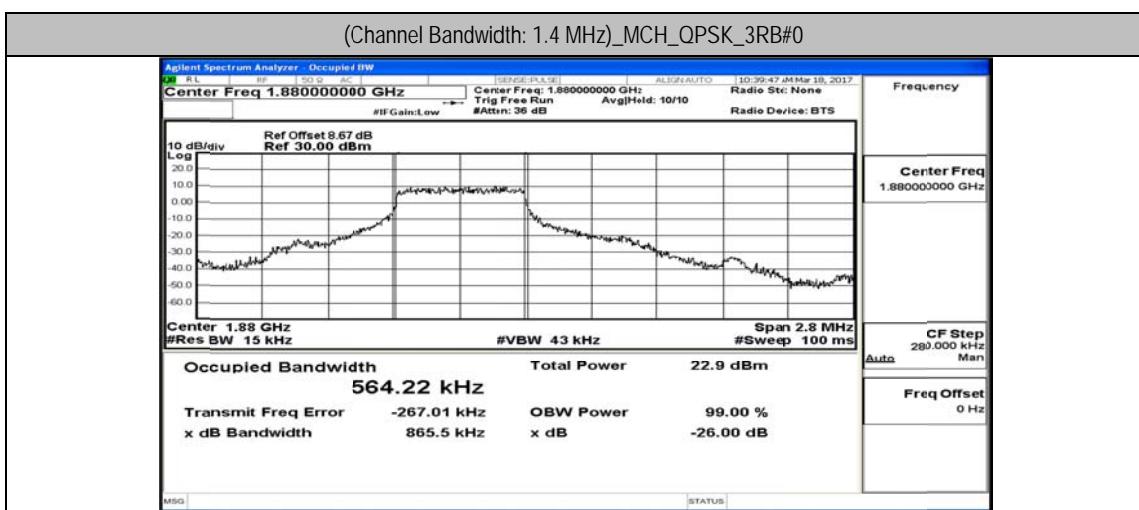
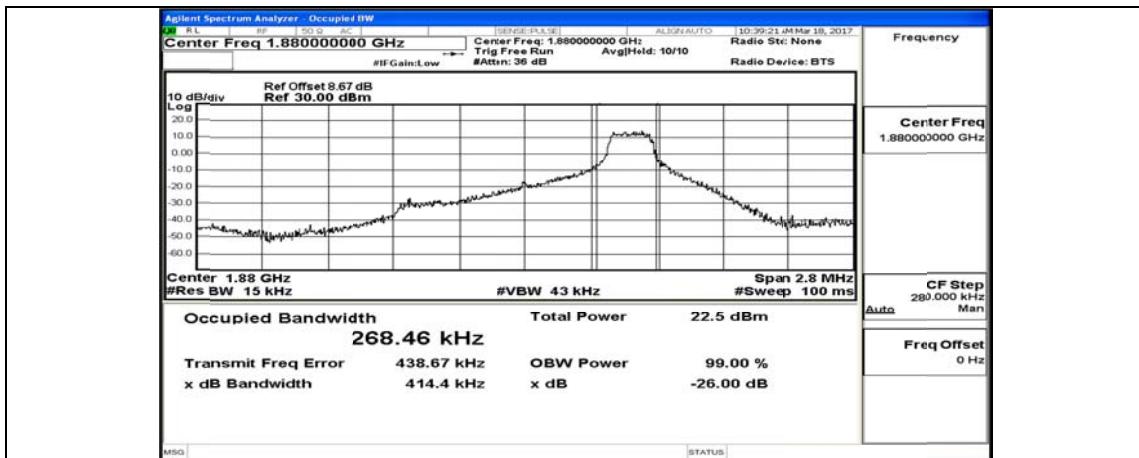
### Channel Bandwidth: 1.4 MHz



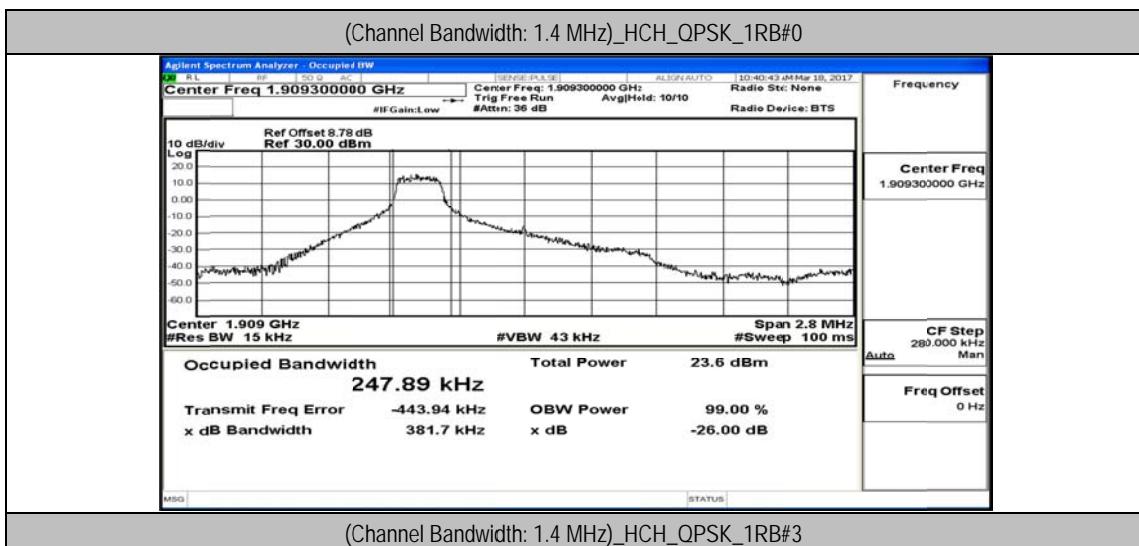
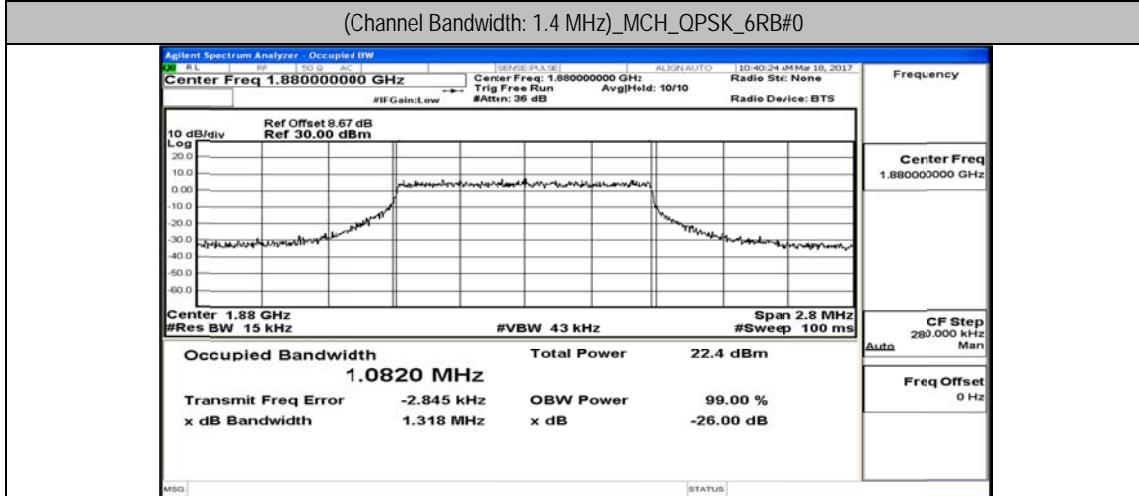
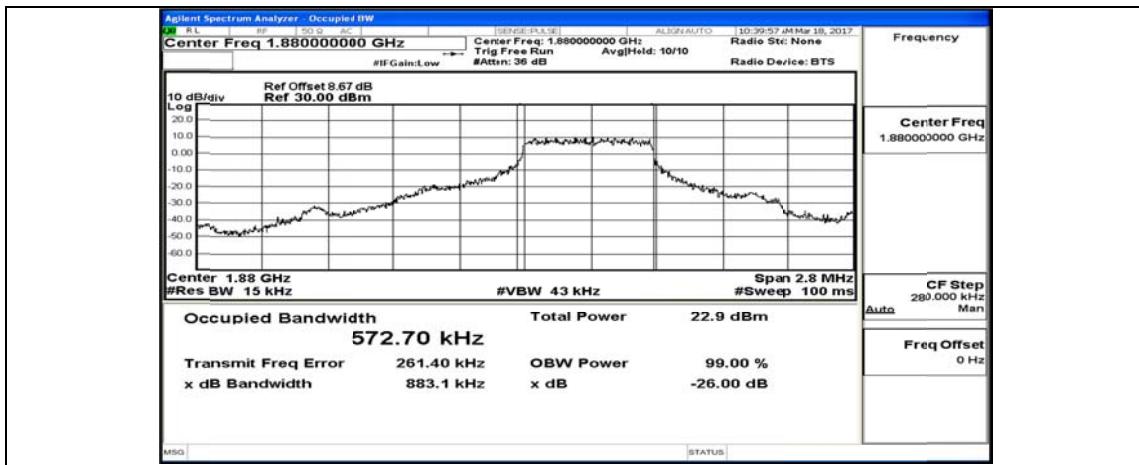


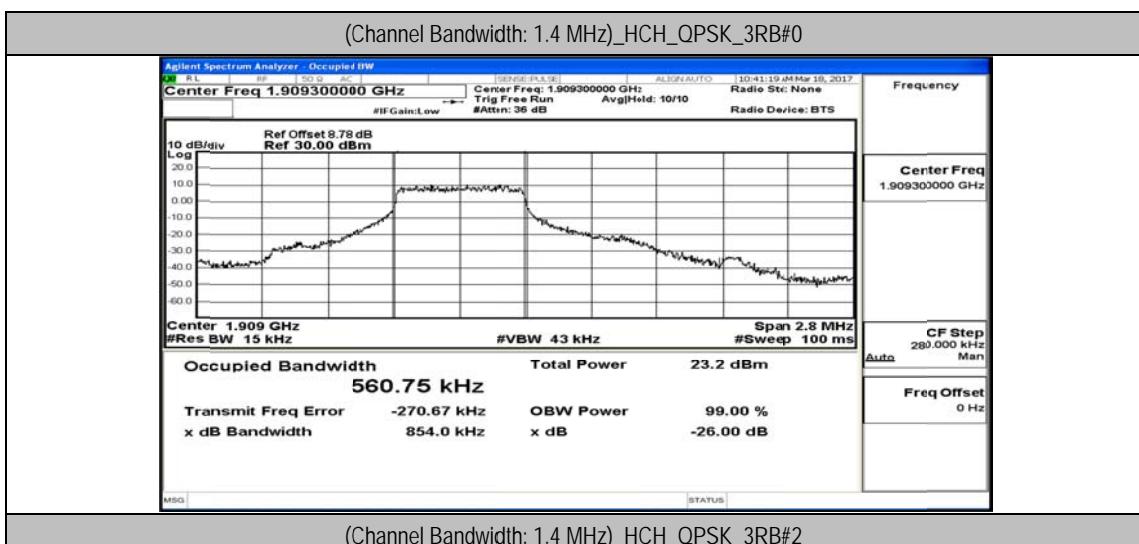
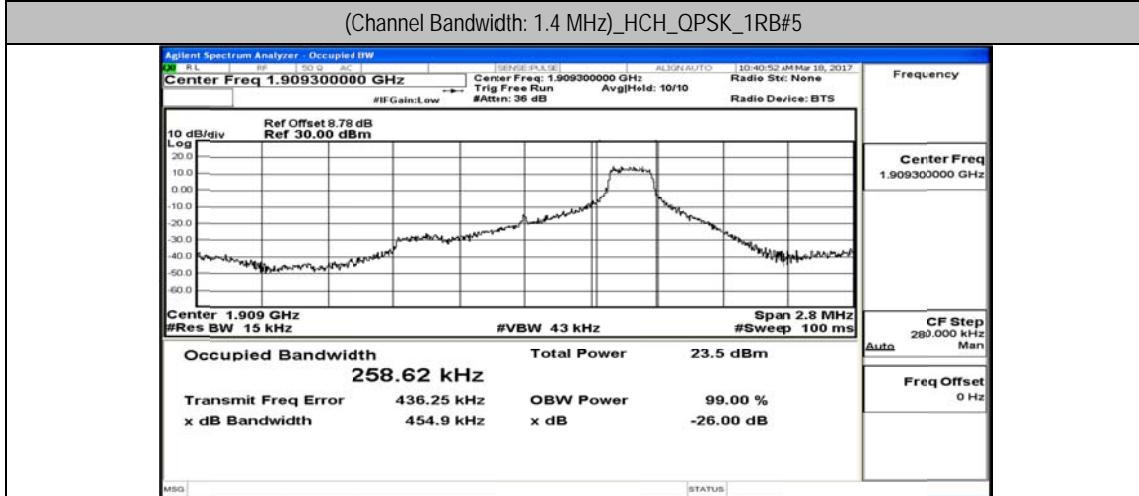
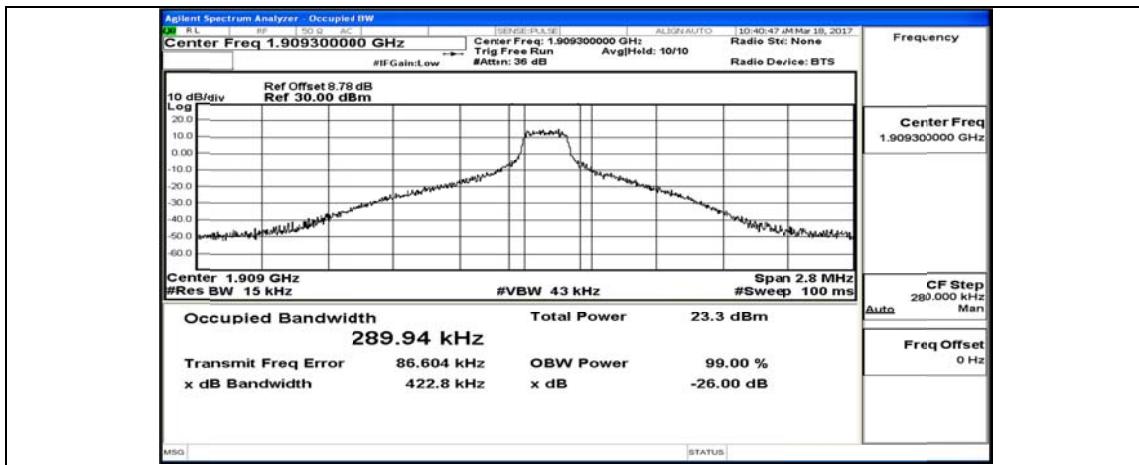


**(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5**



(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_3RB#3







(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_3RB#3



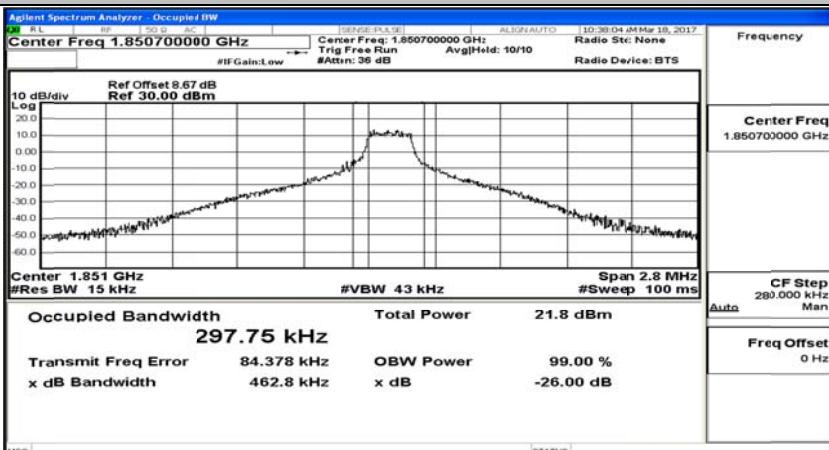
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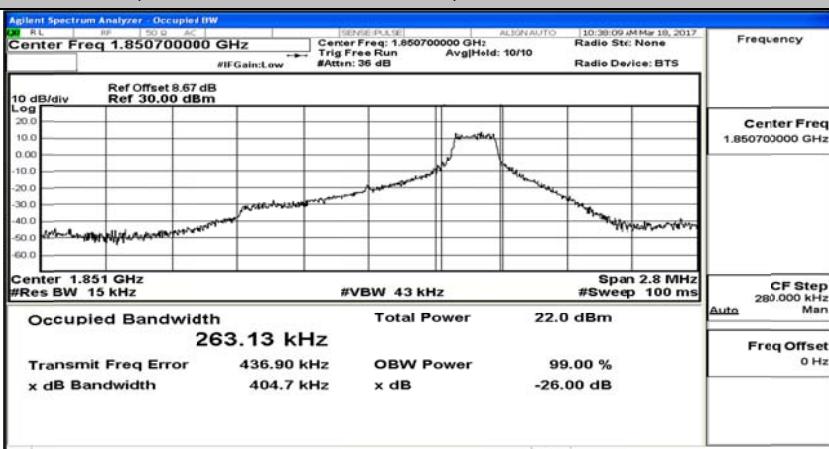
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0



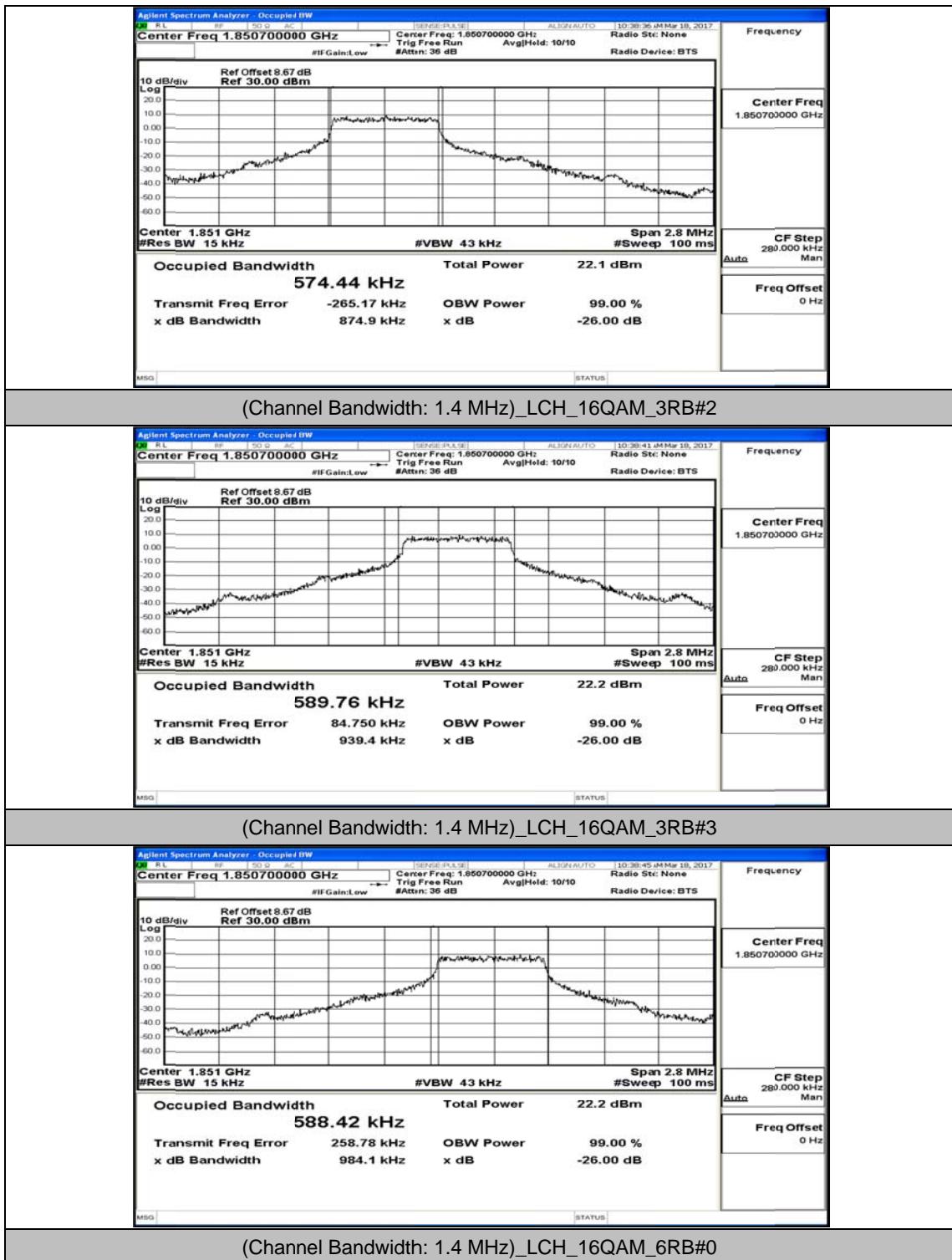
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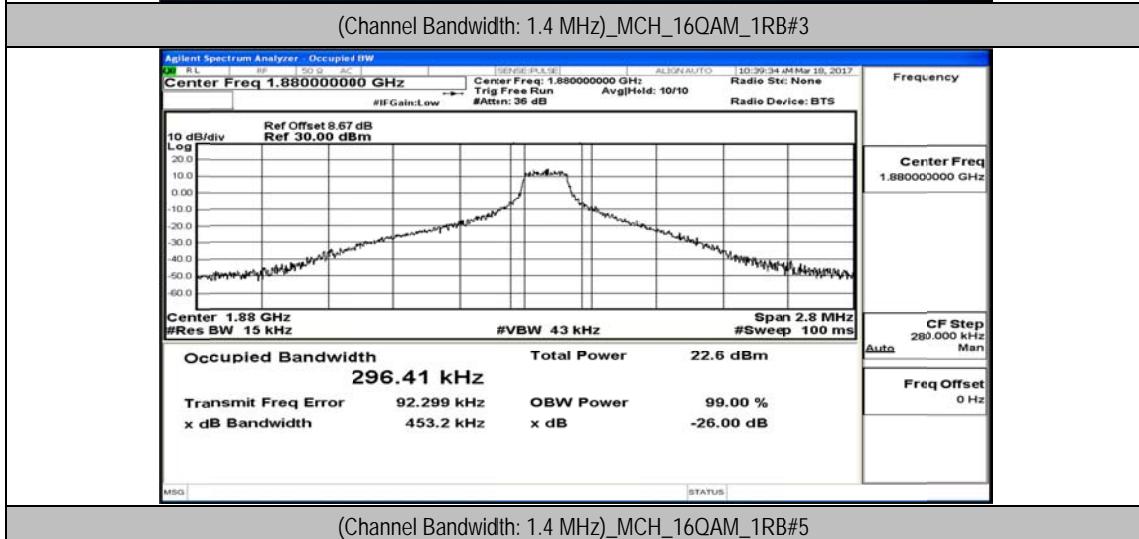
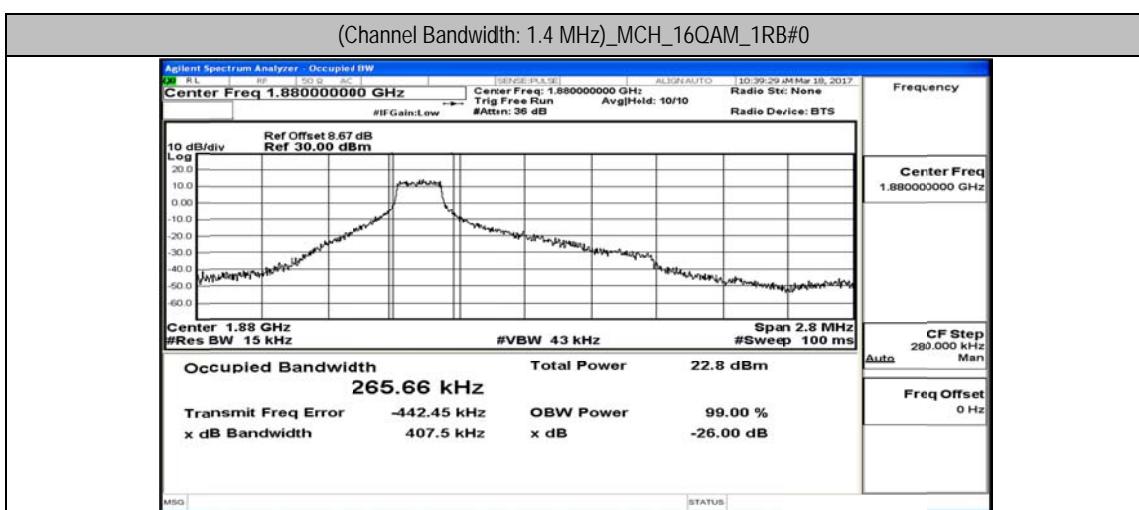
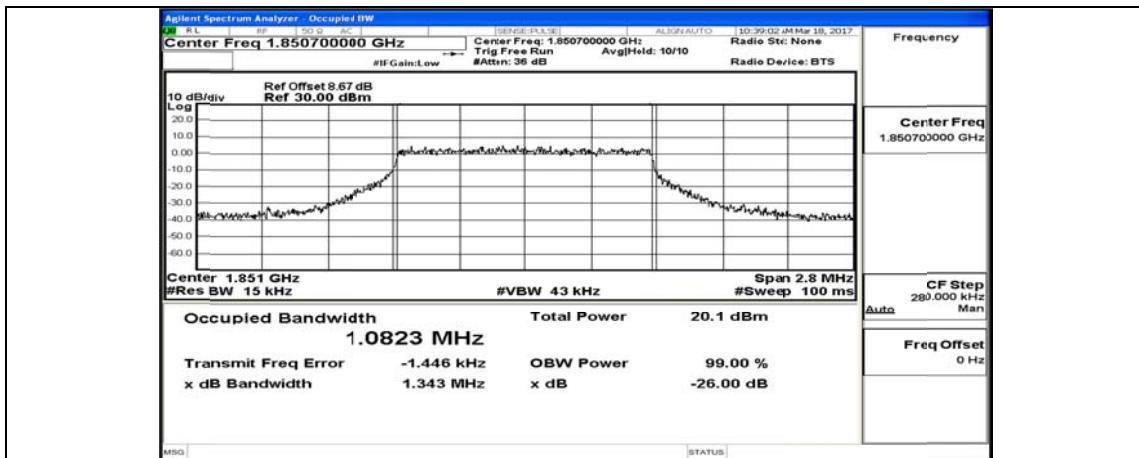


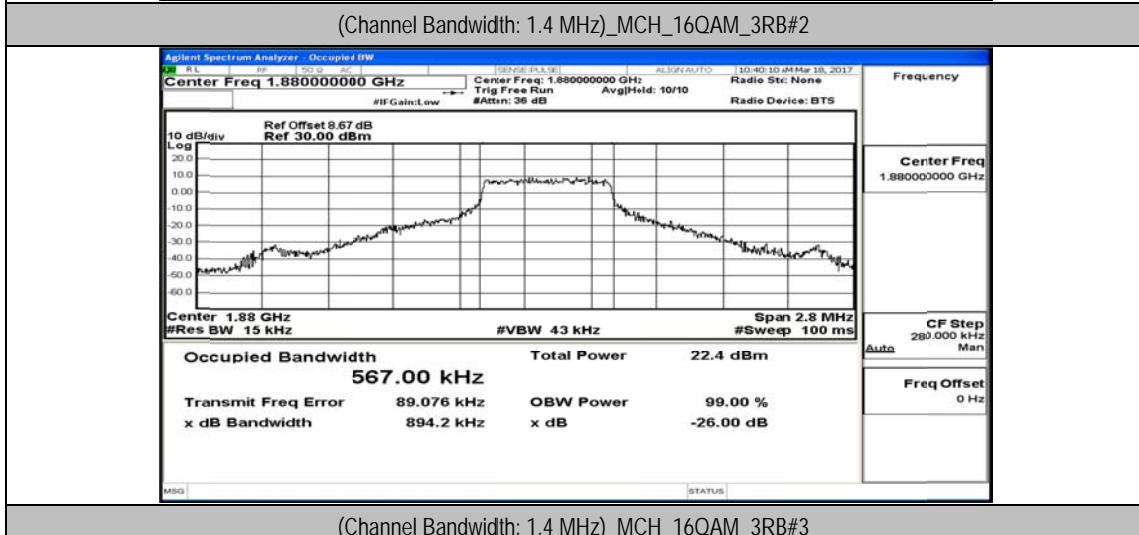
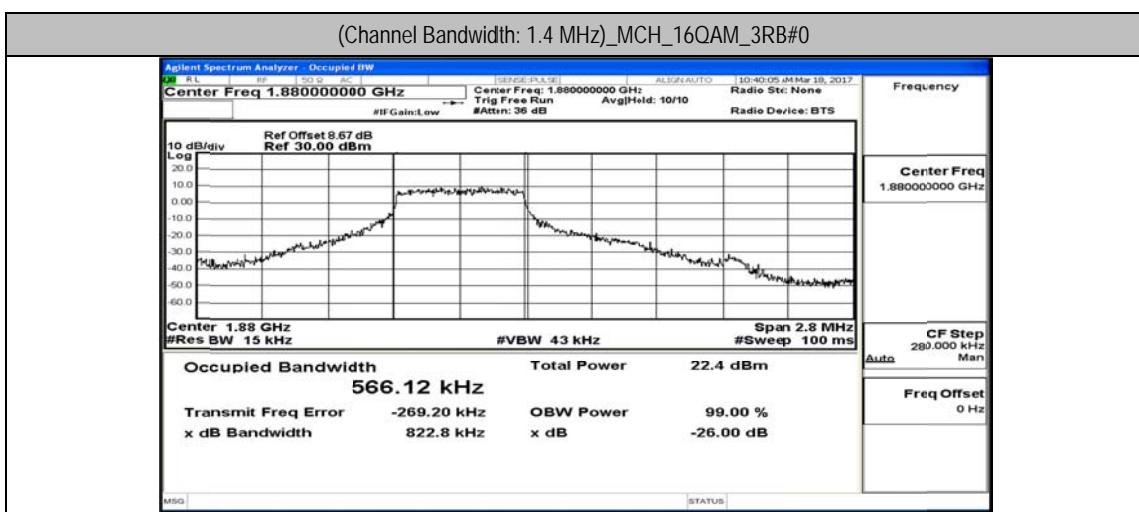
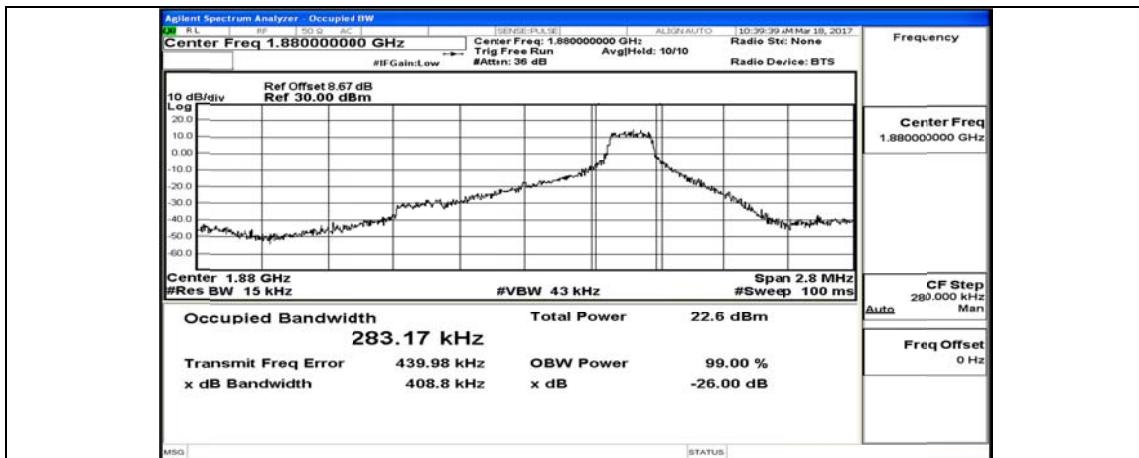
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#5



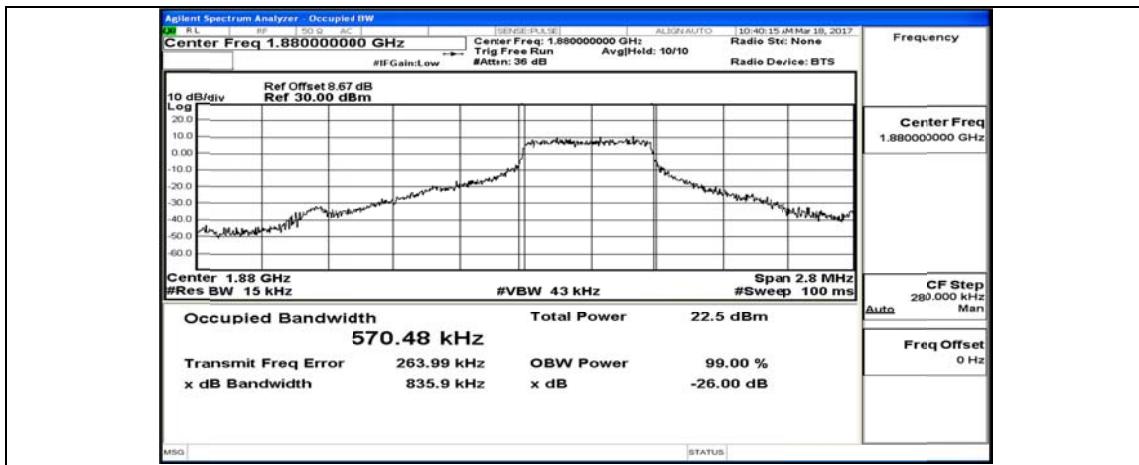
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_3RB#0



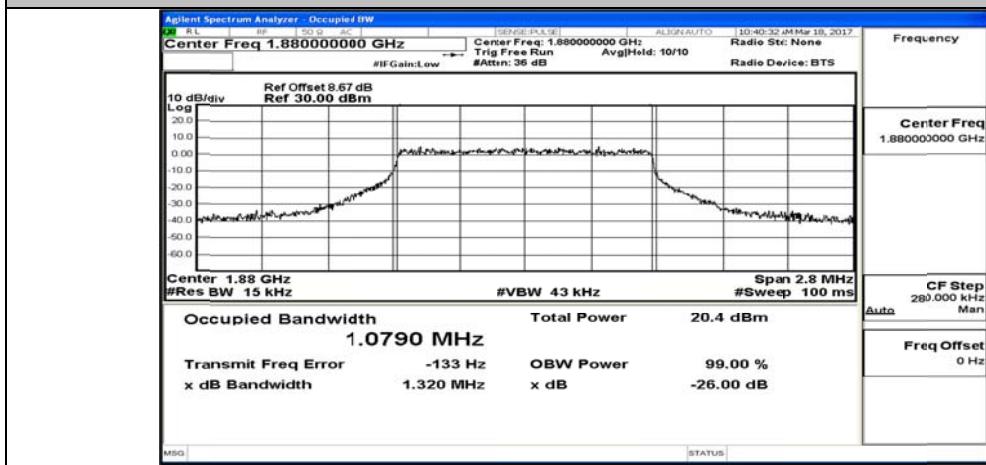




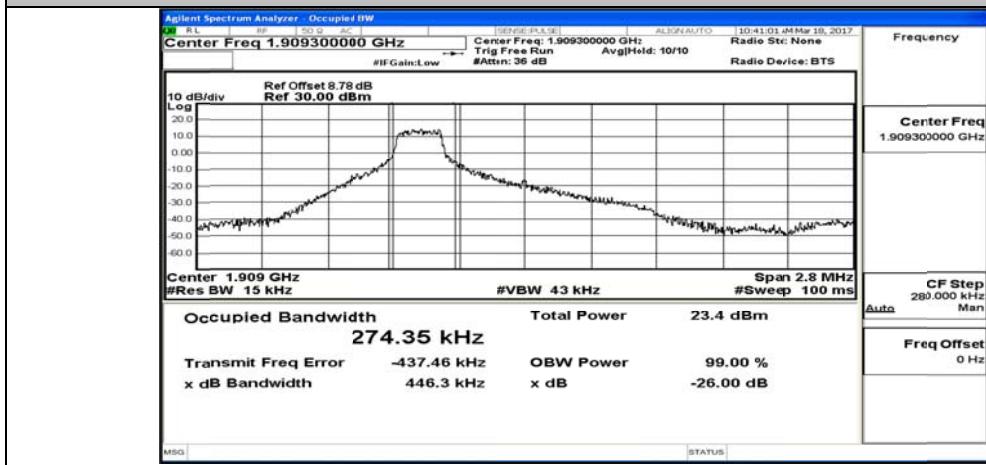
**(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_3RB#3**



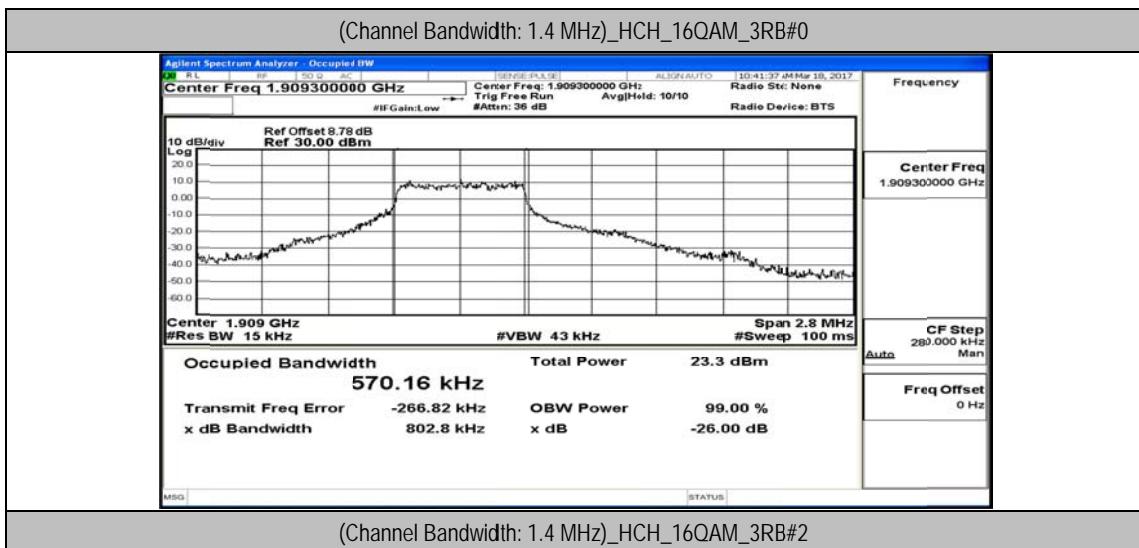
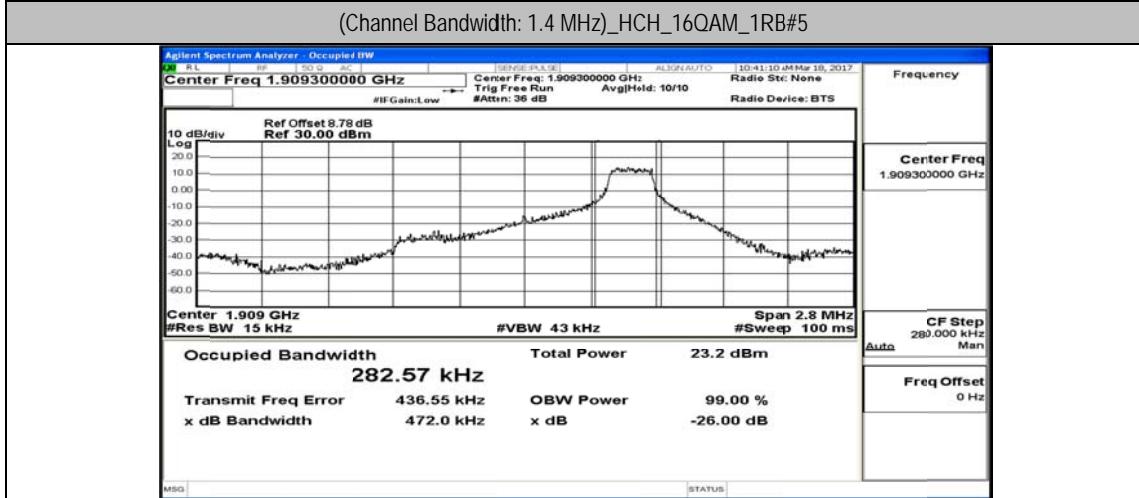
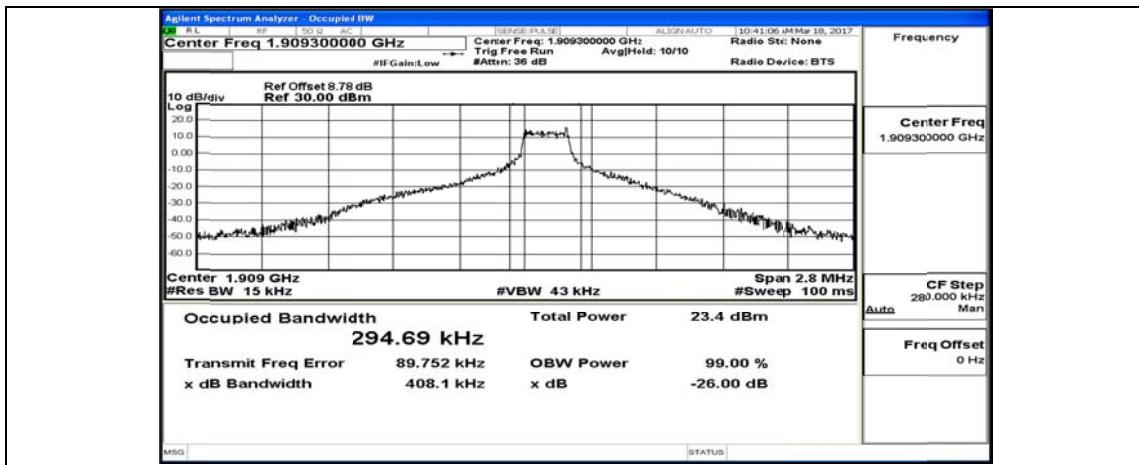
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(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#0

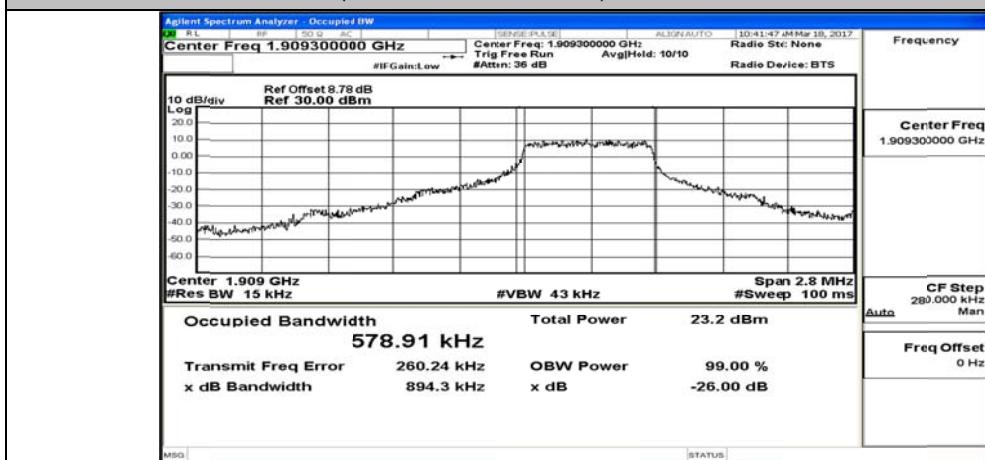


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#3

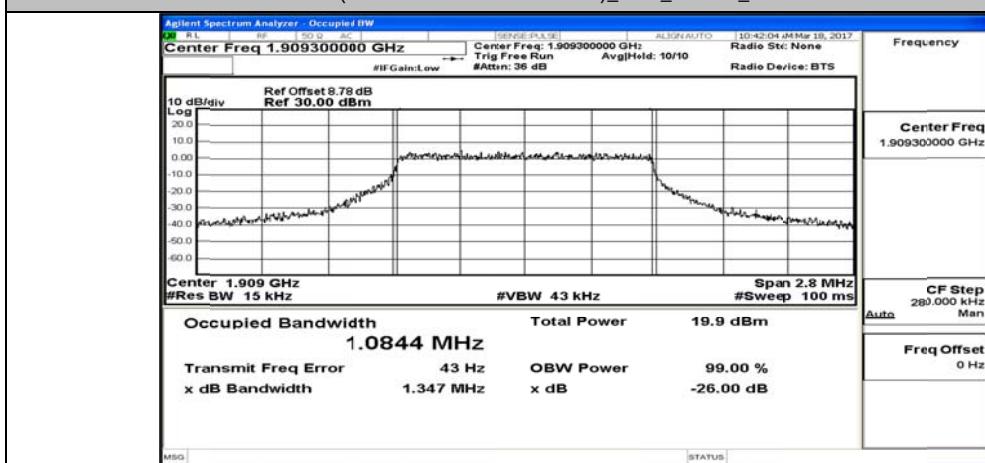




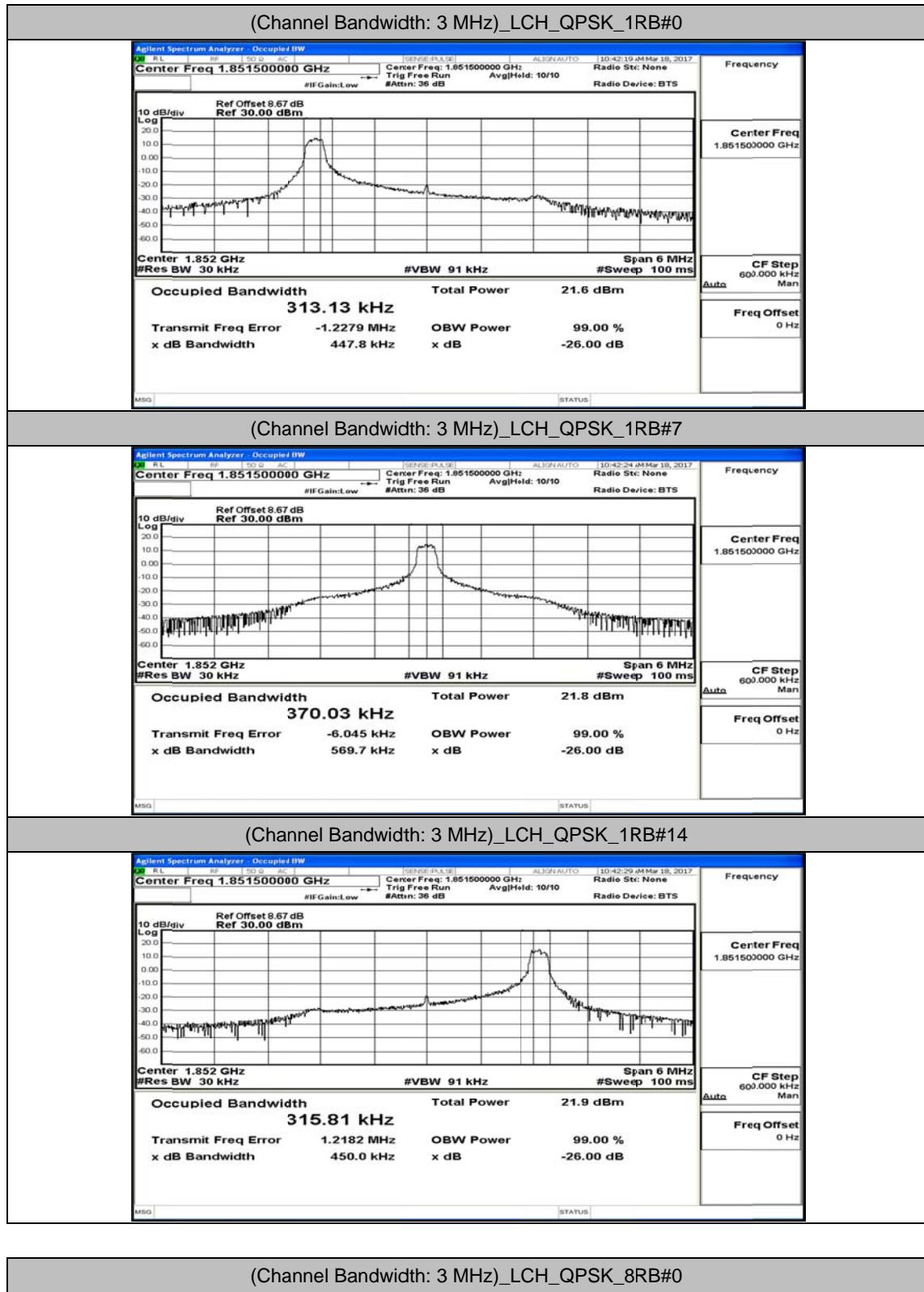
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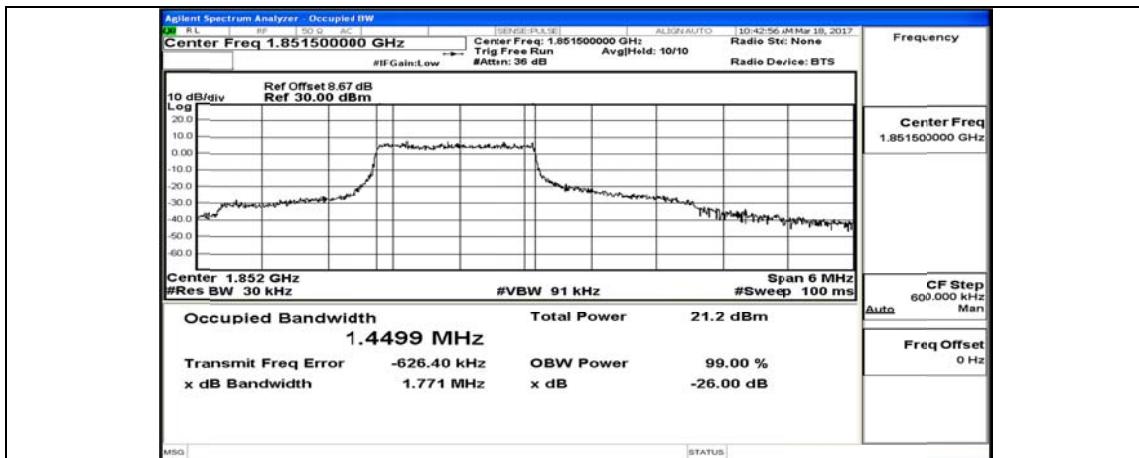


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_6RB#0

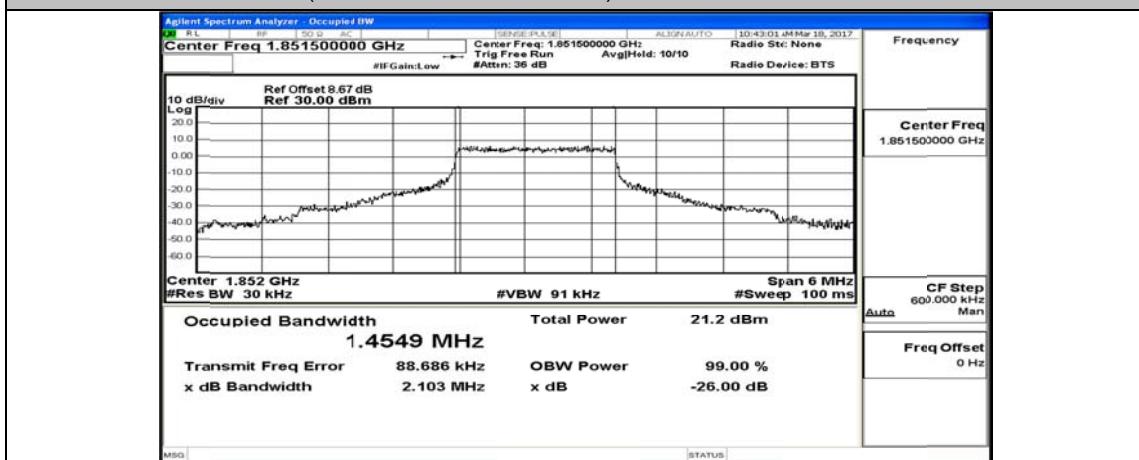


## Channel Bandwidth: 3 MHz

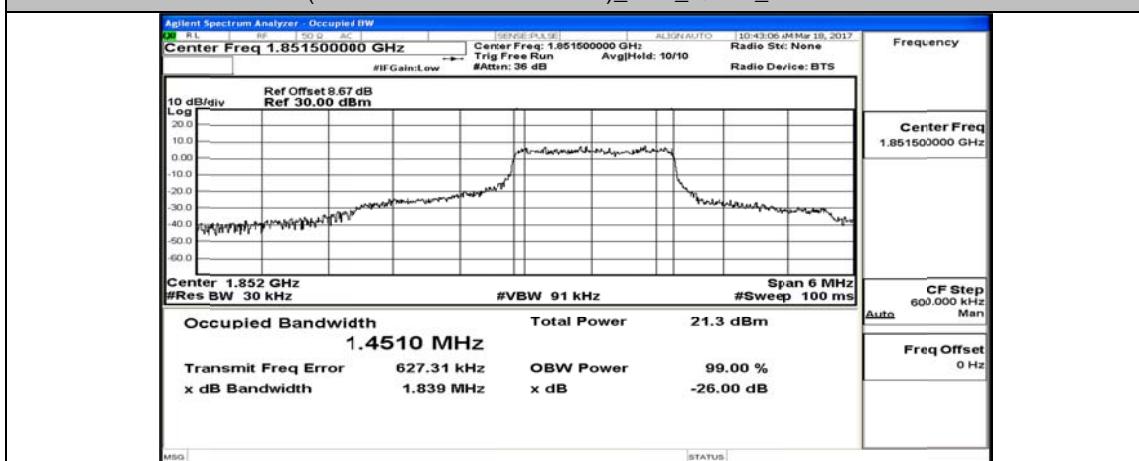




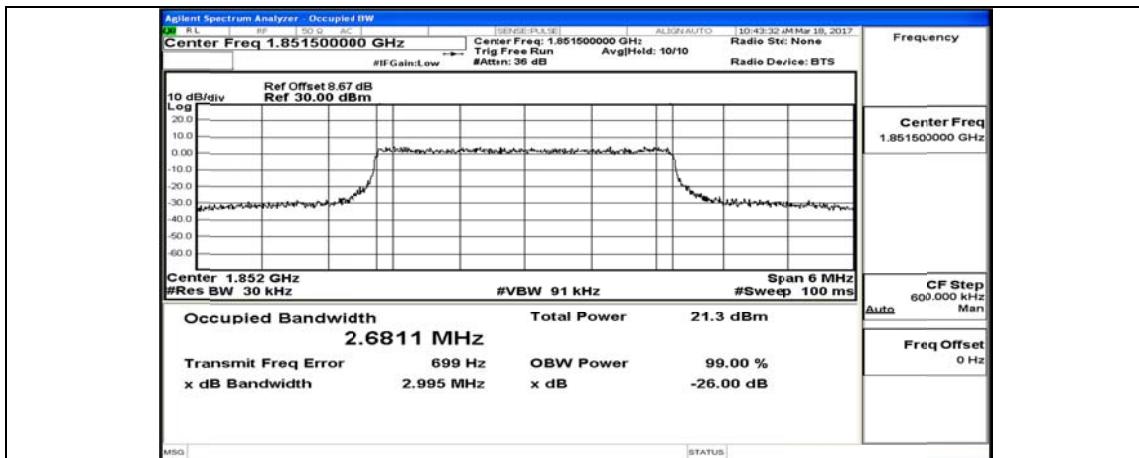
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_8RB#4



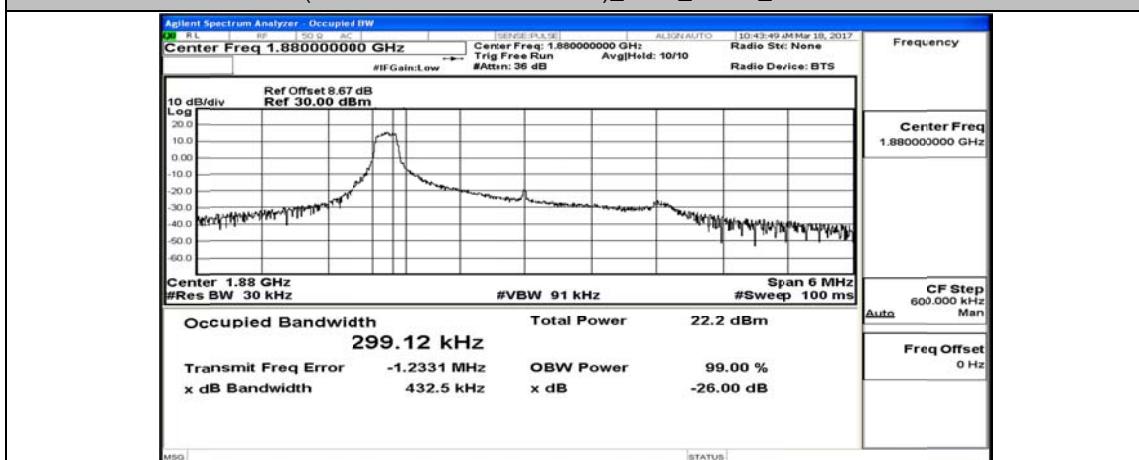
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_8RB#7



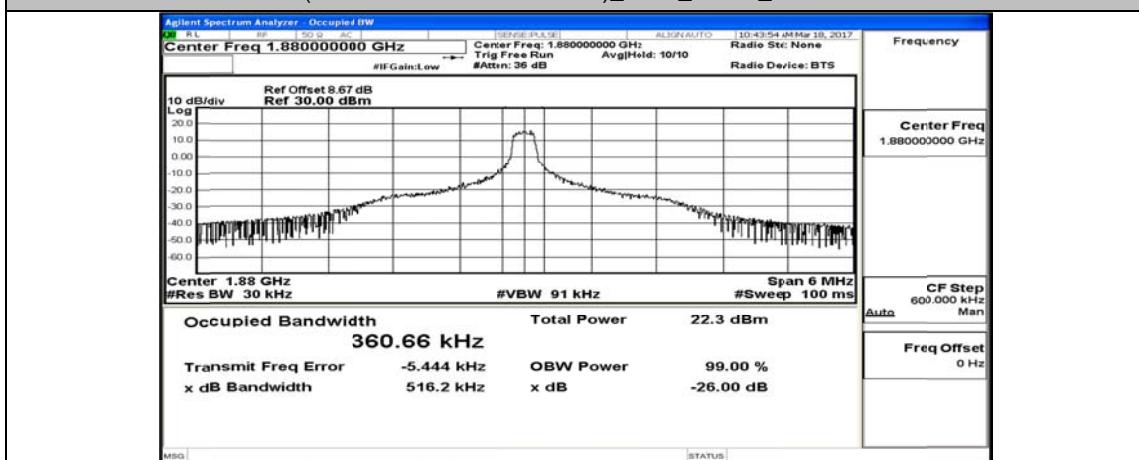
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_15RB#0



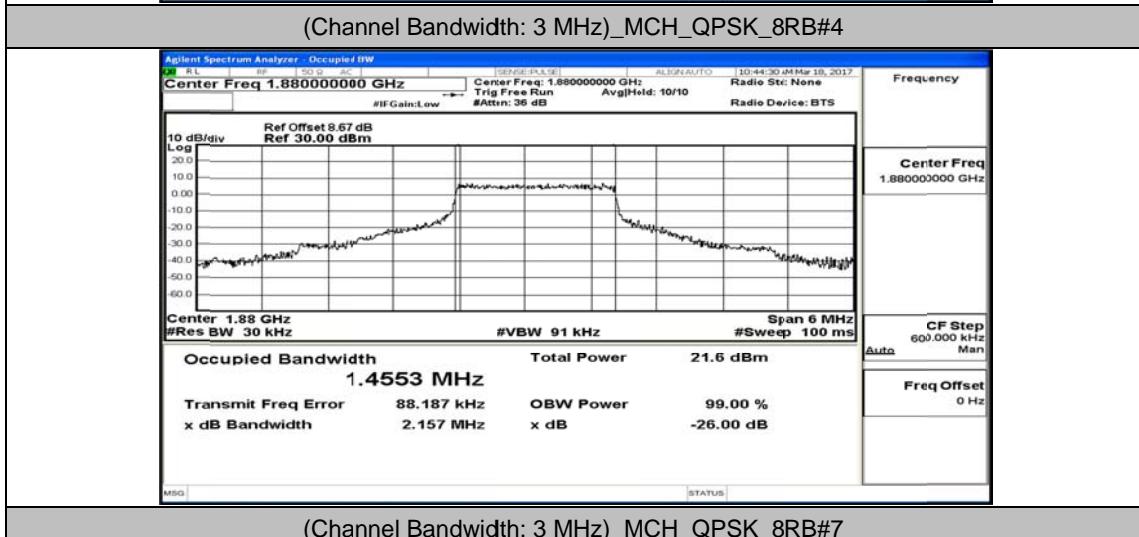
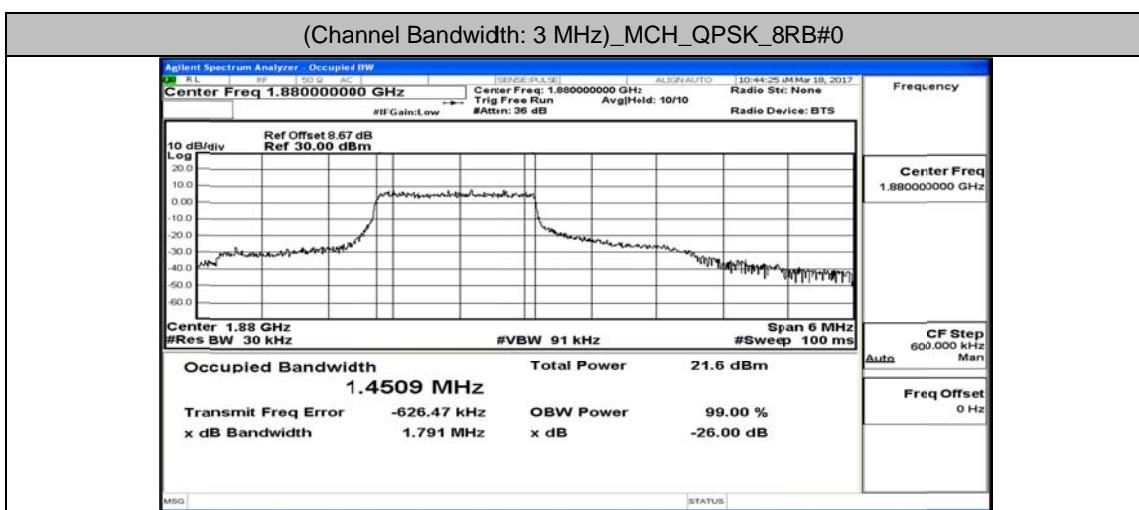
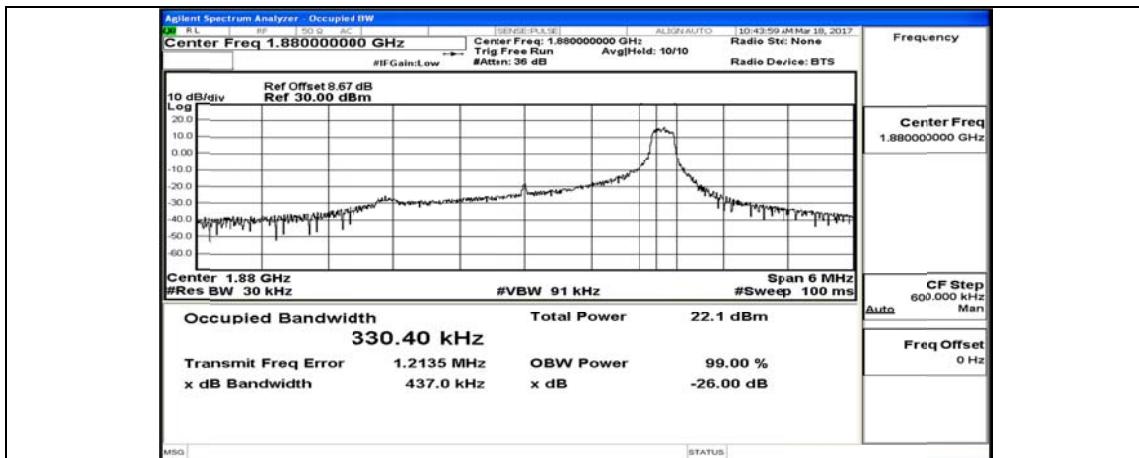
### (Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#0



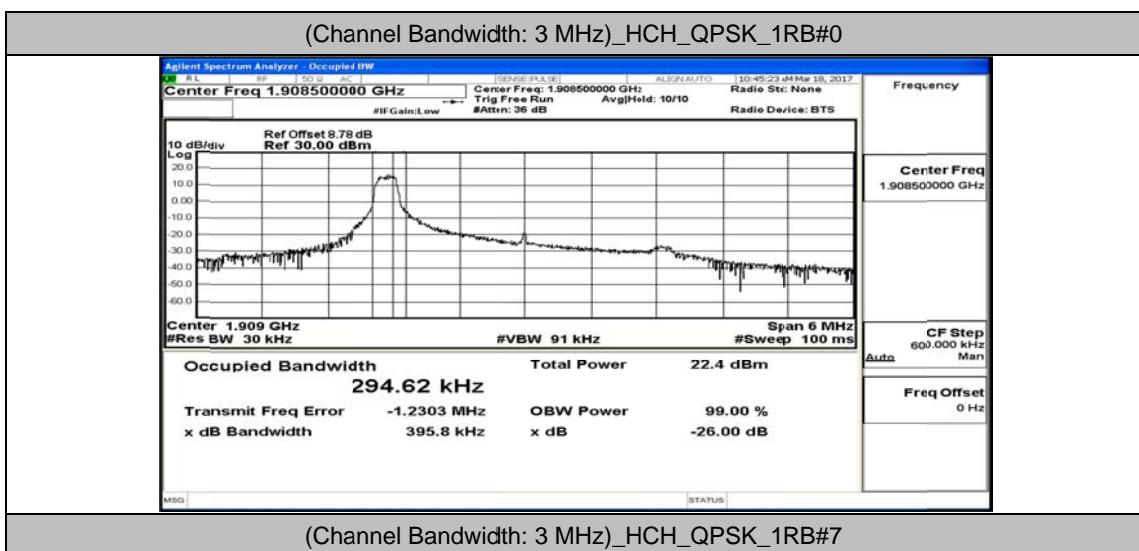
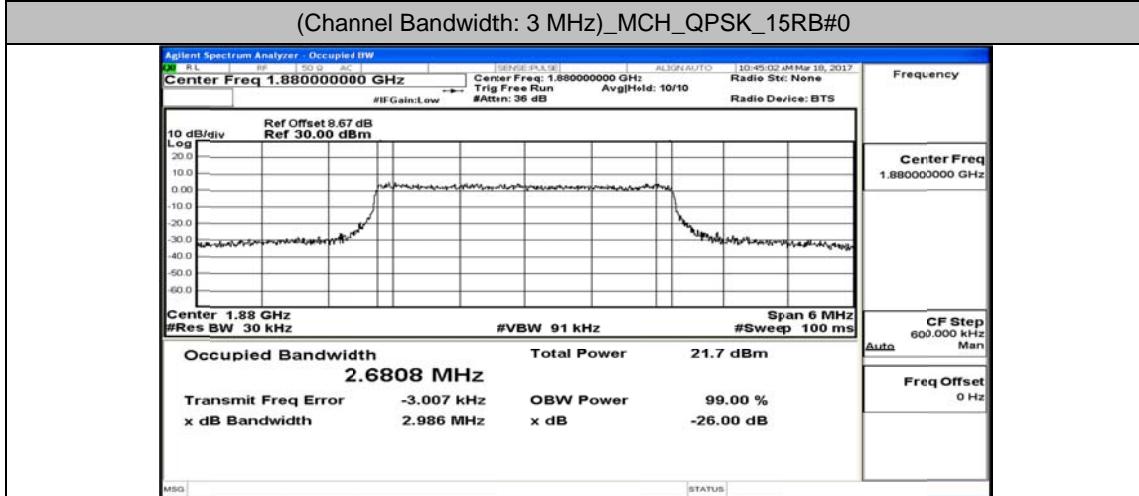
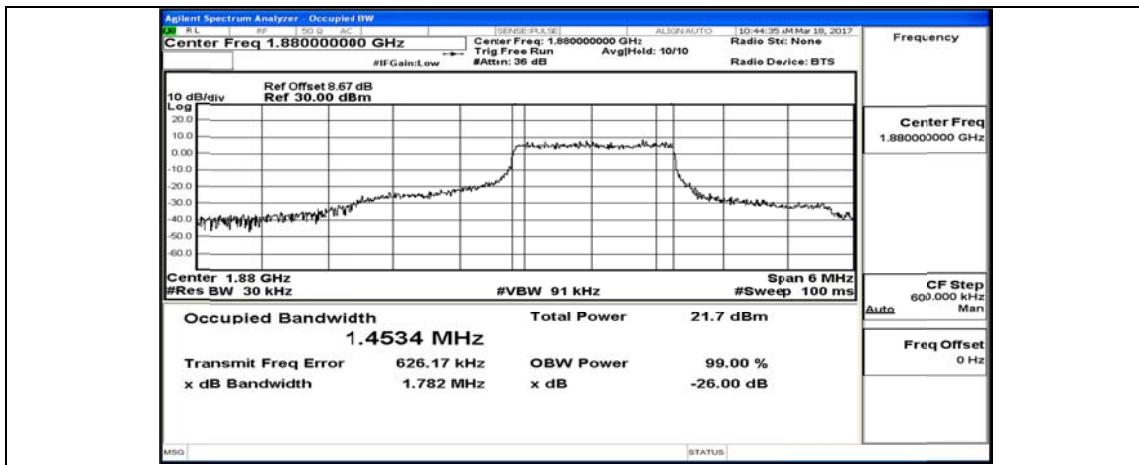
### (Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#7

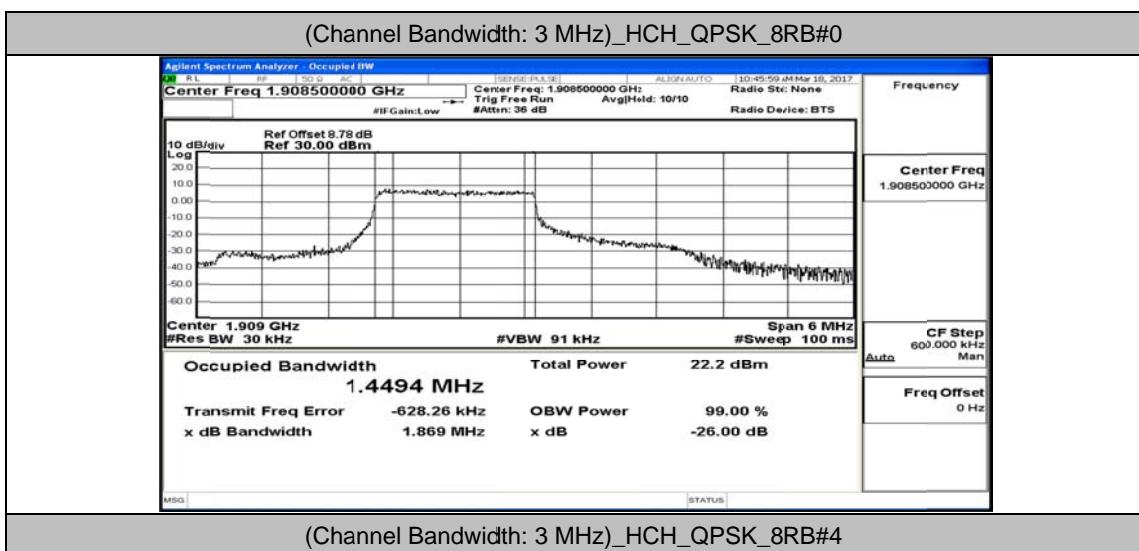
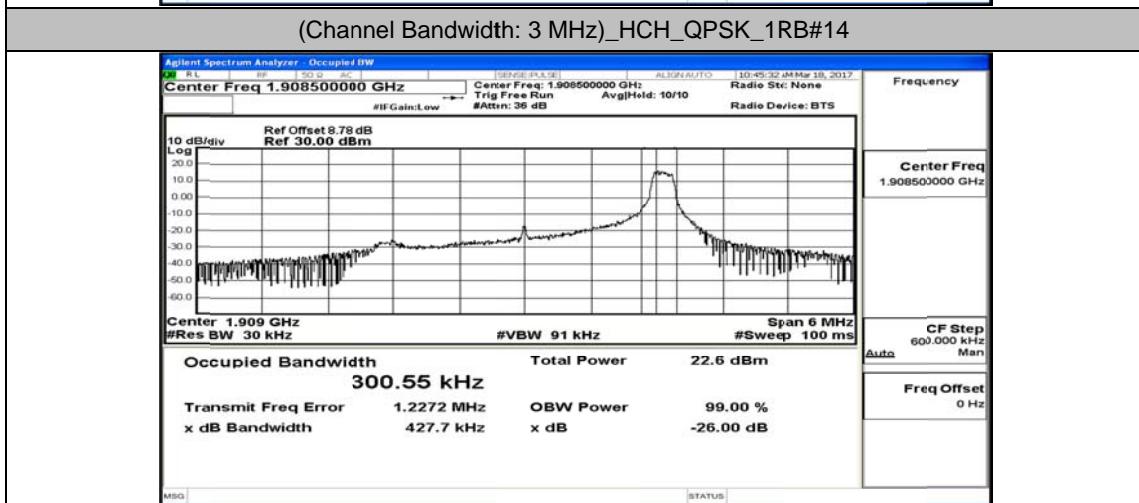
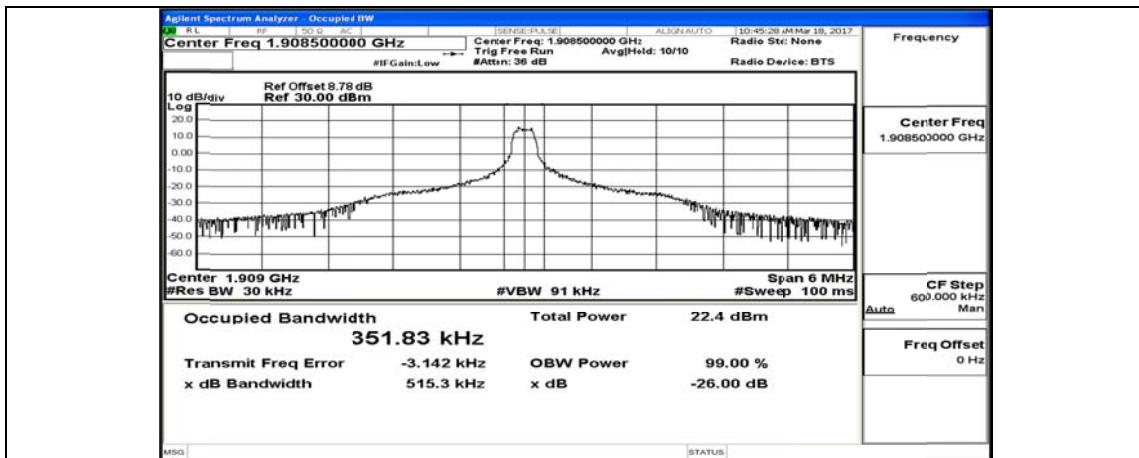


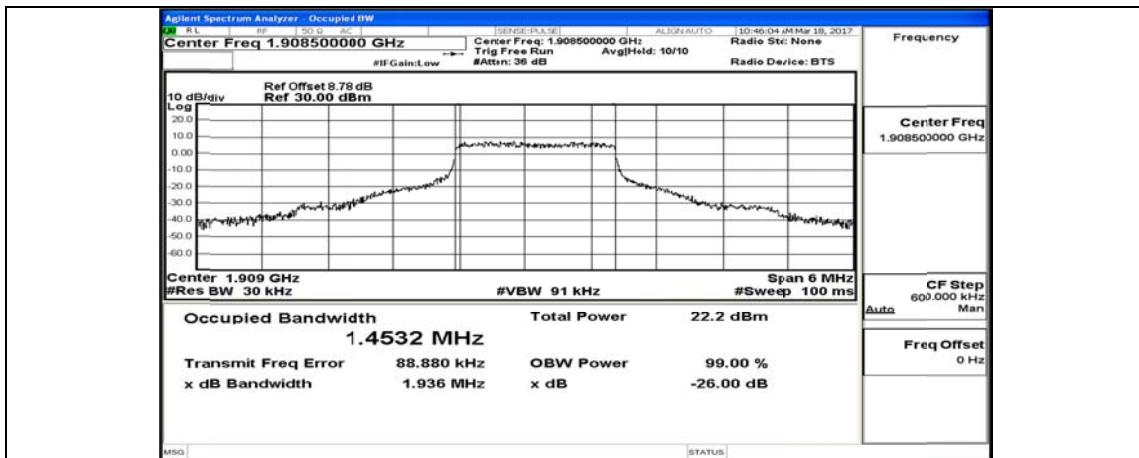
### (Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14



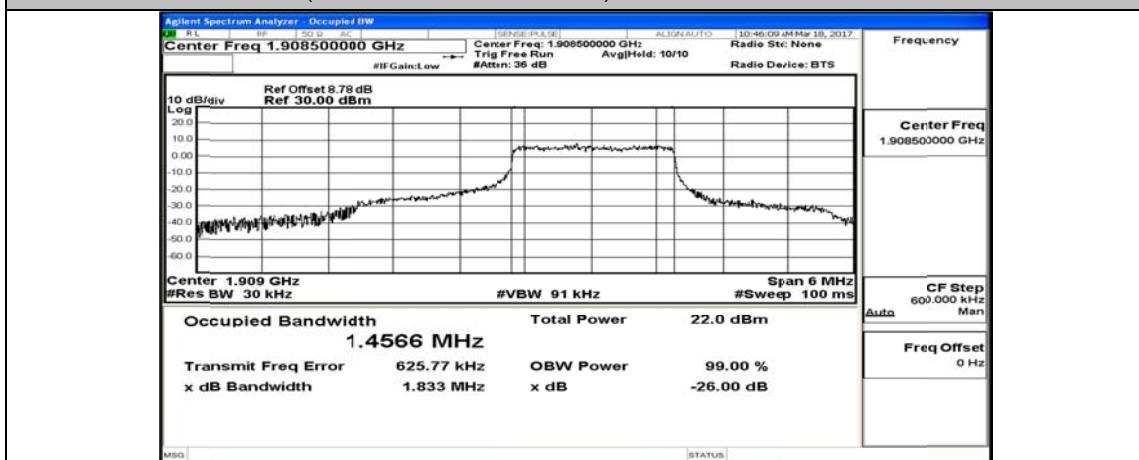
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#7



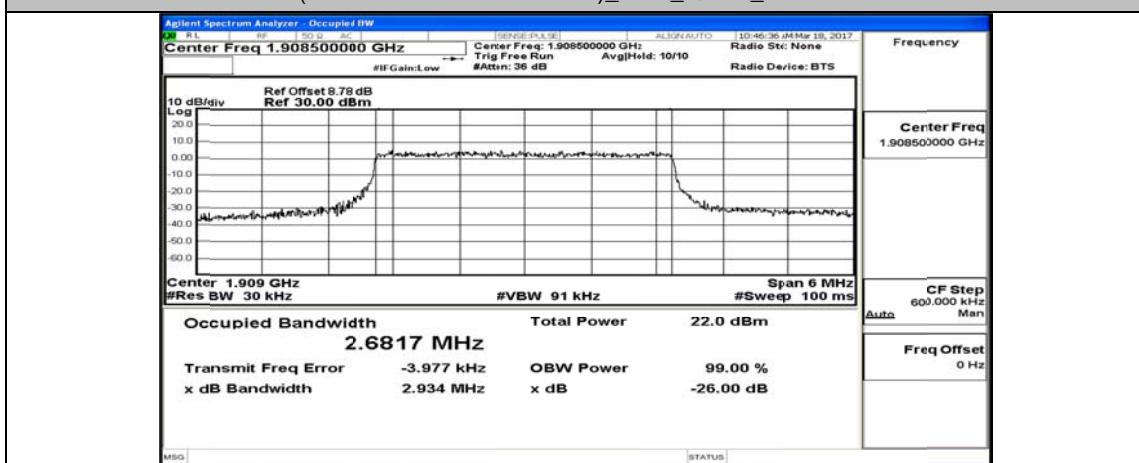




(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_8RB#7



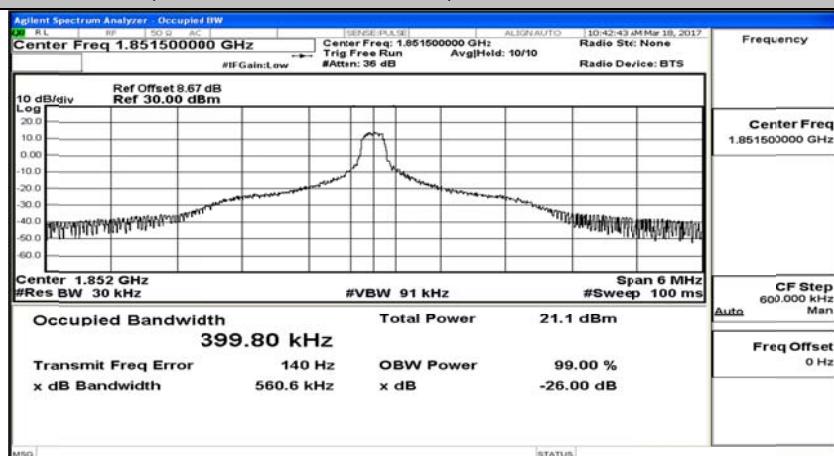
(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_15RB#0



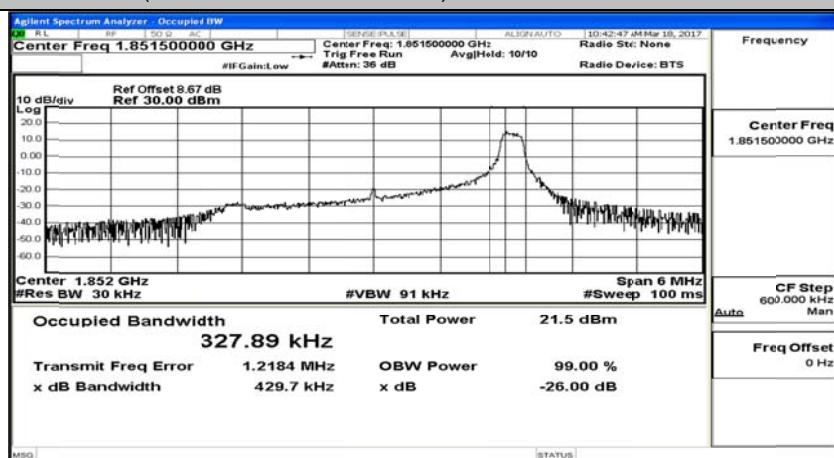
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#0



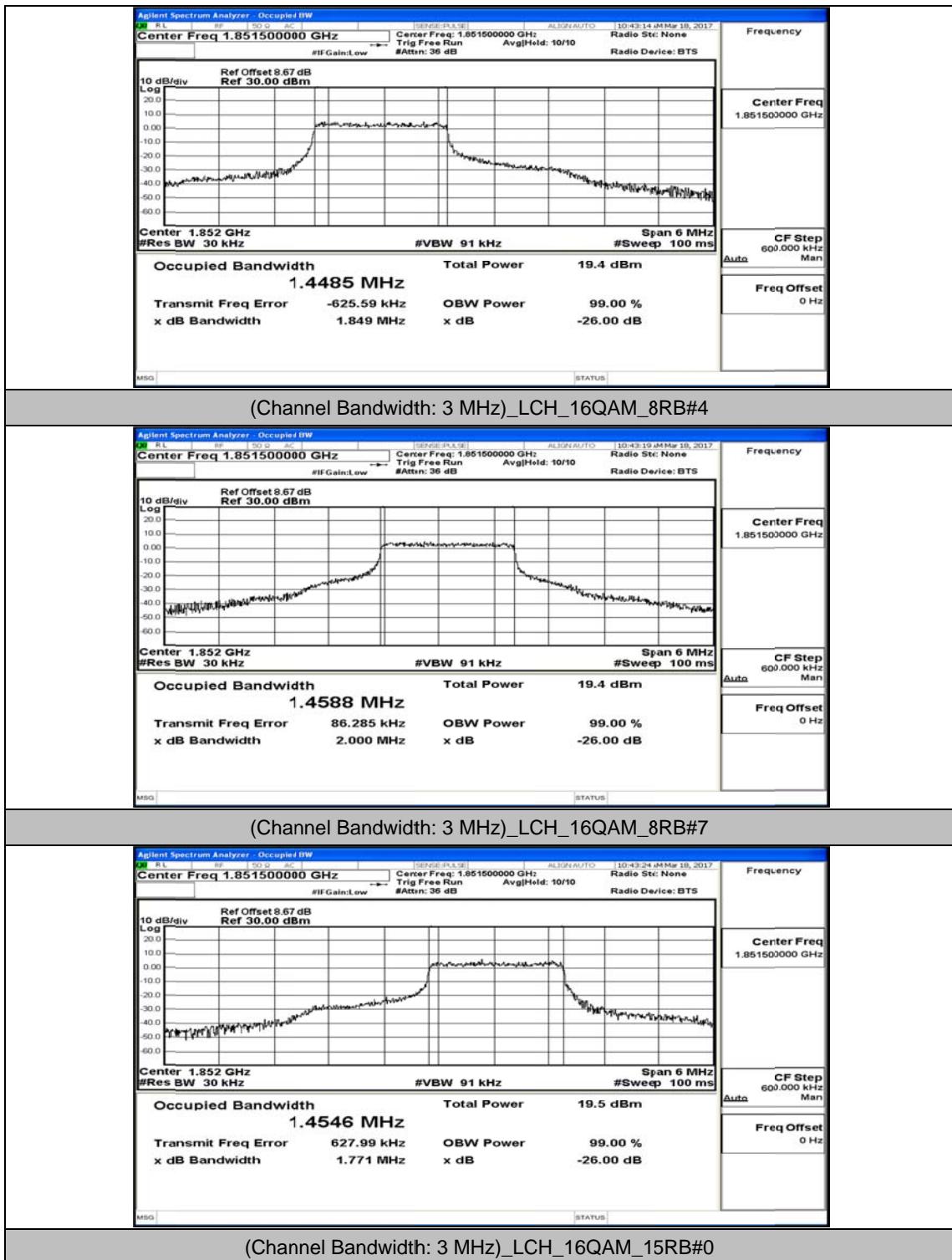
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#7

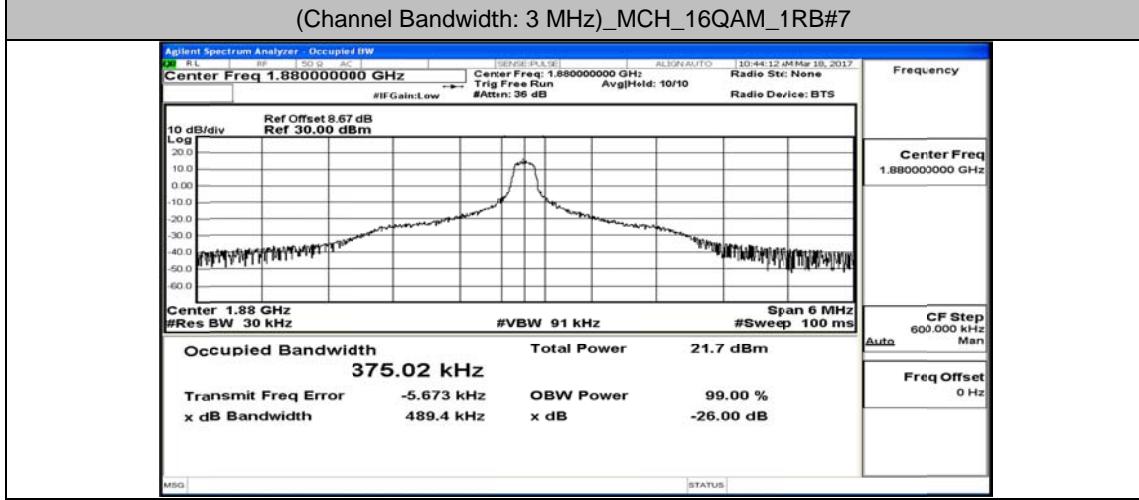
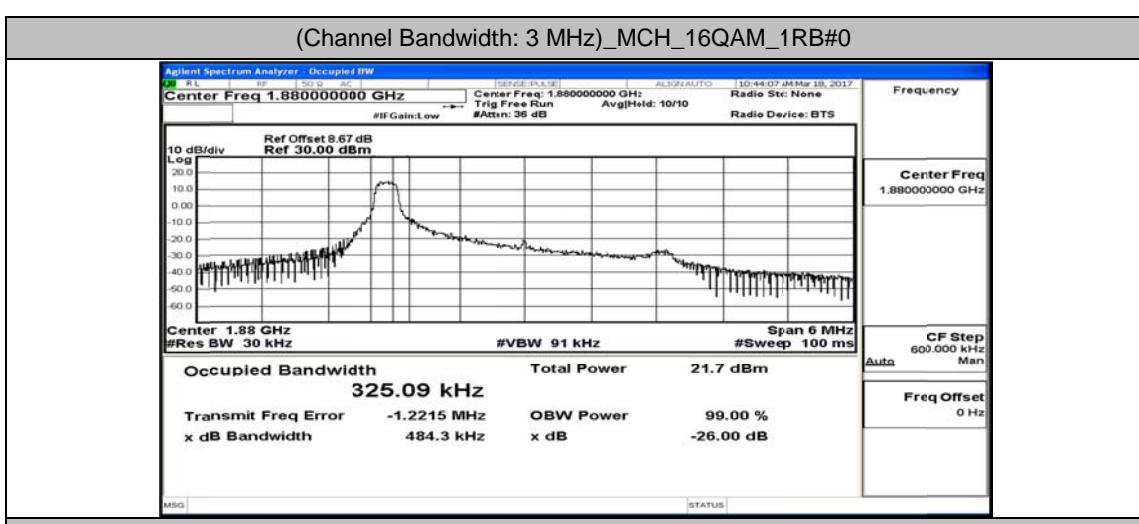
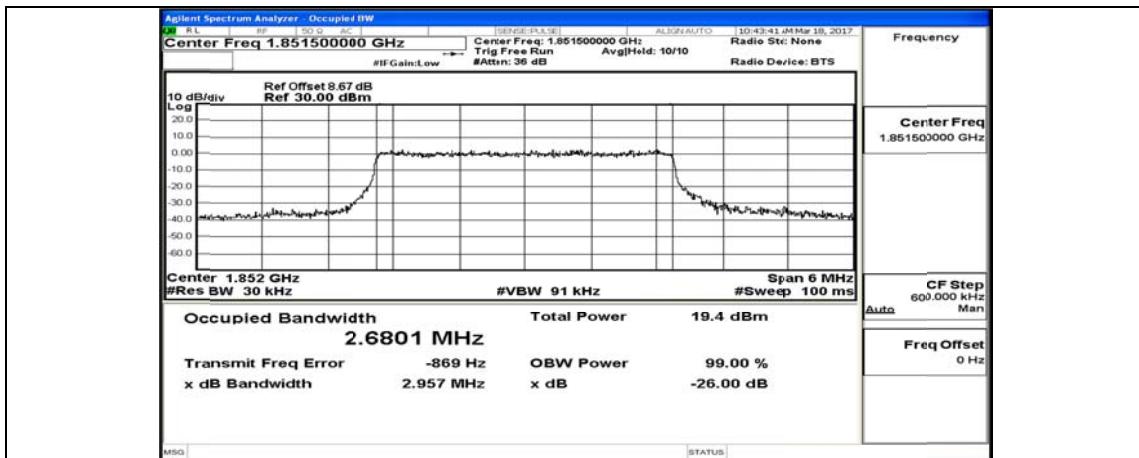


(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#14

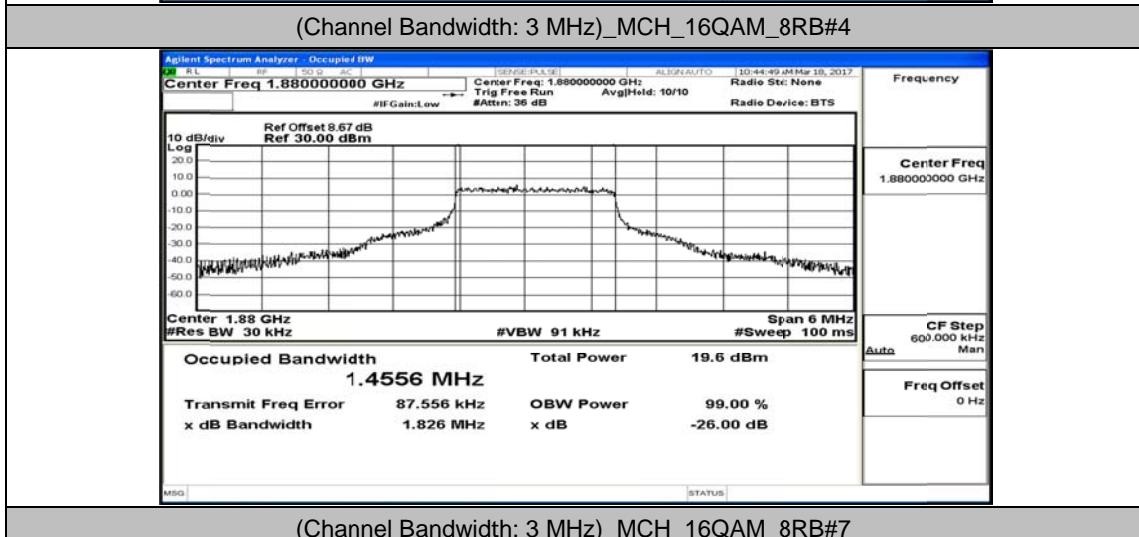
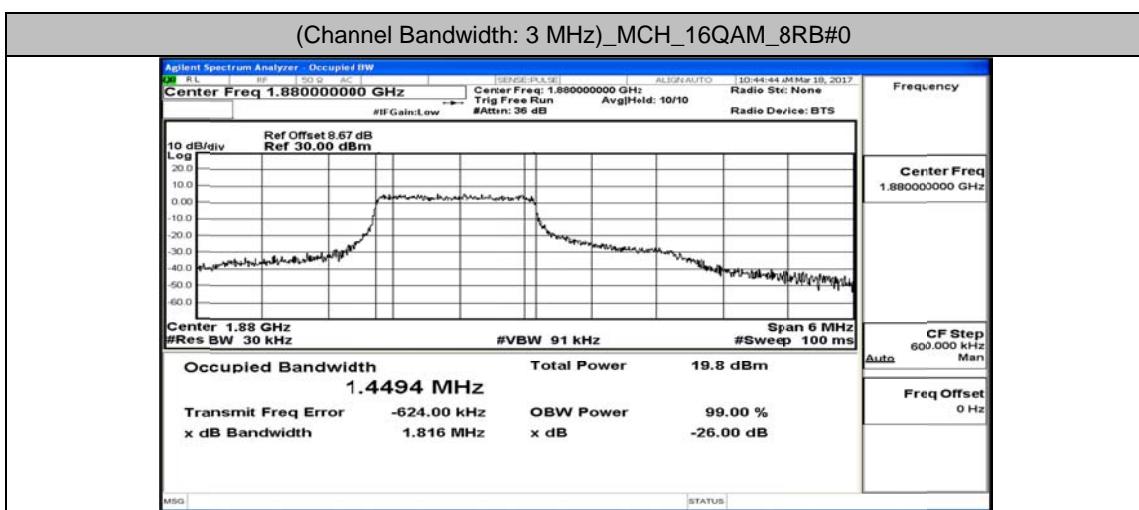
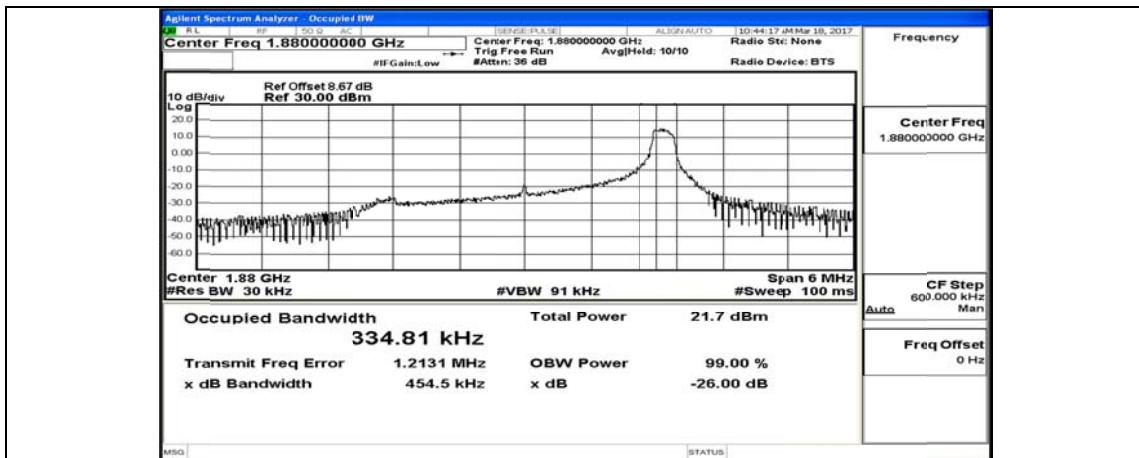


(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_8RB#0

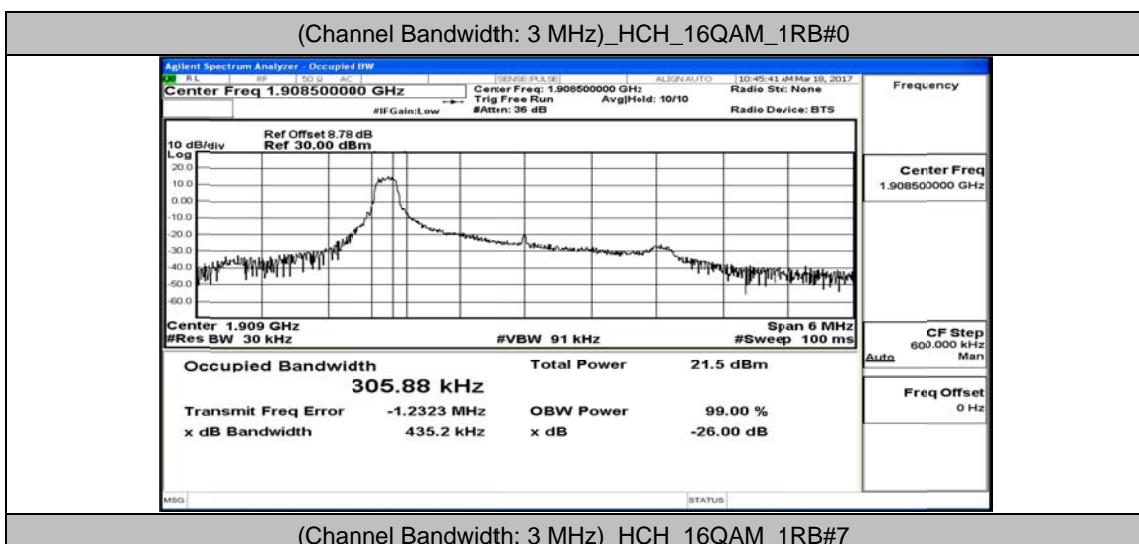
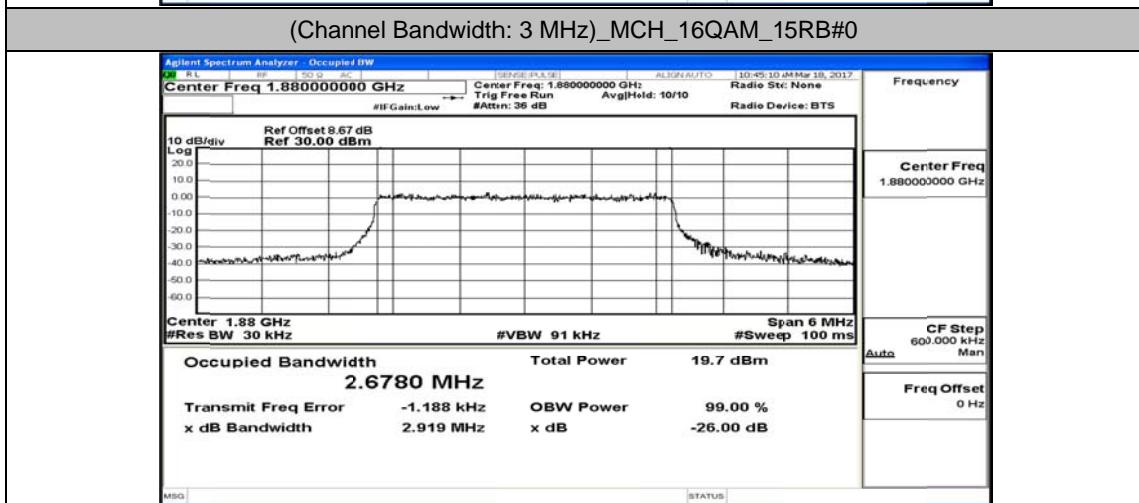
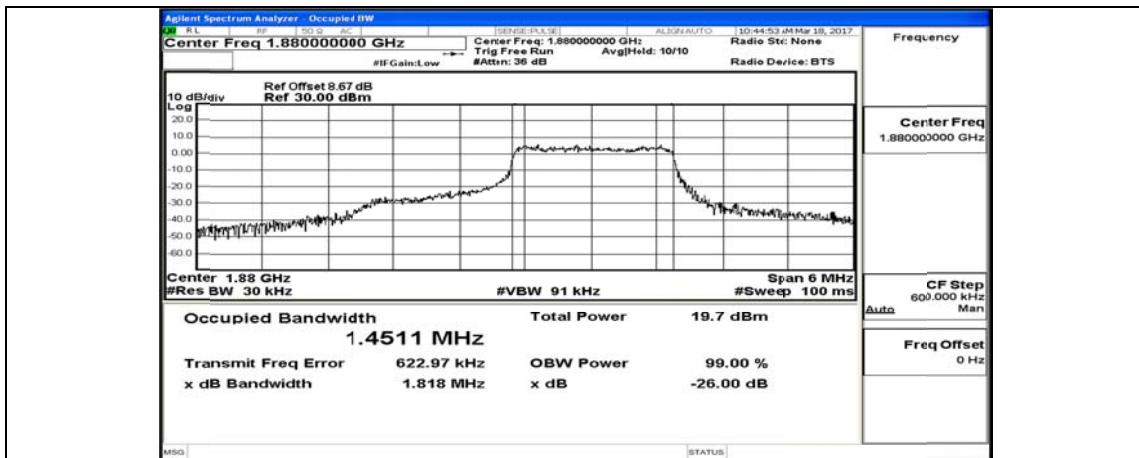




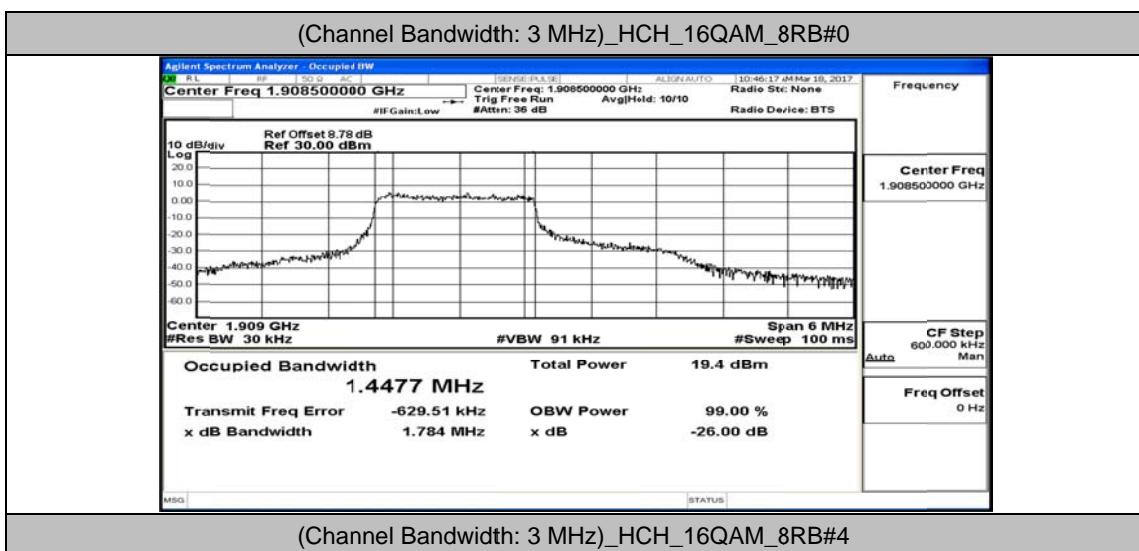
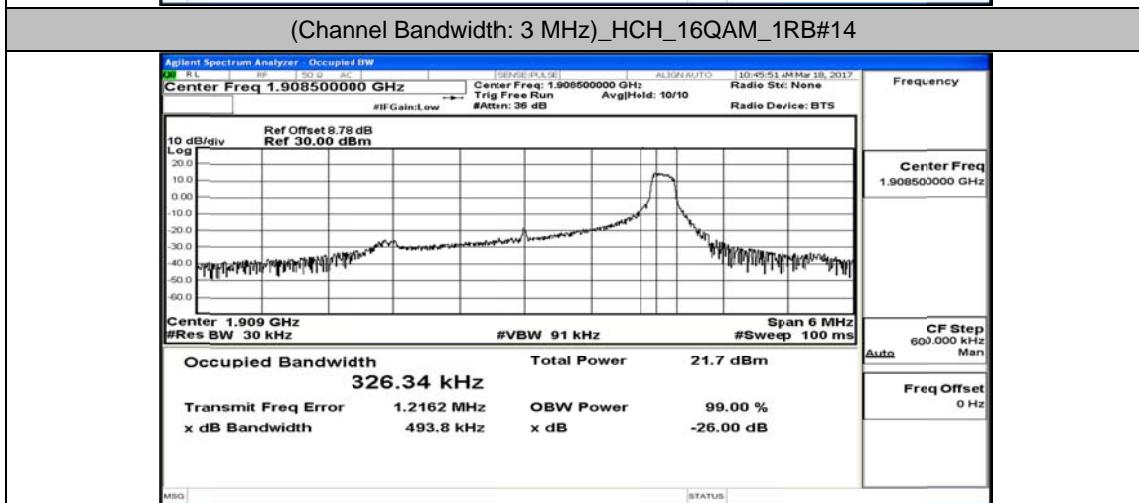
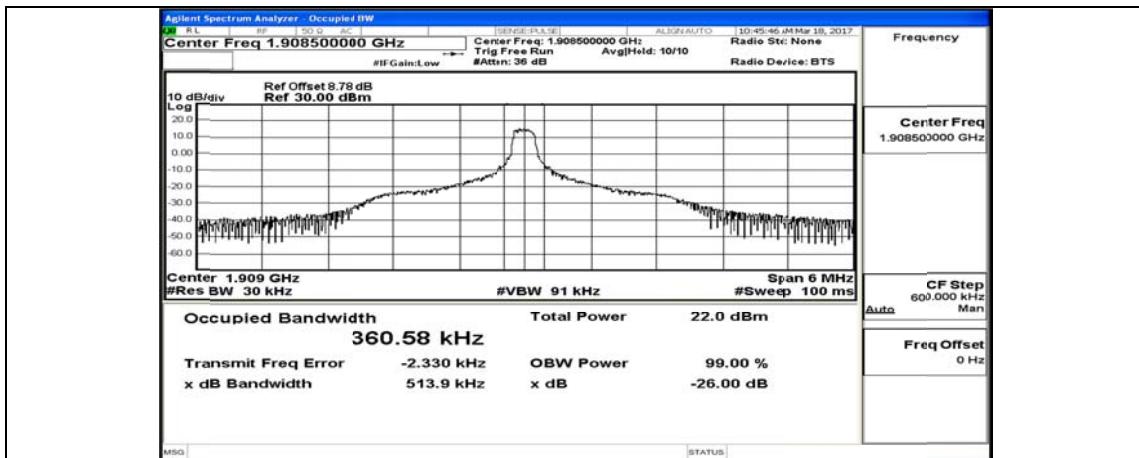
**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**

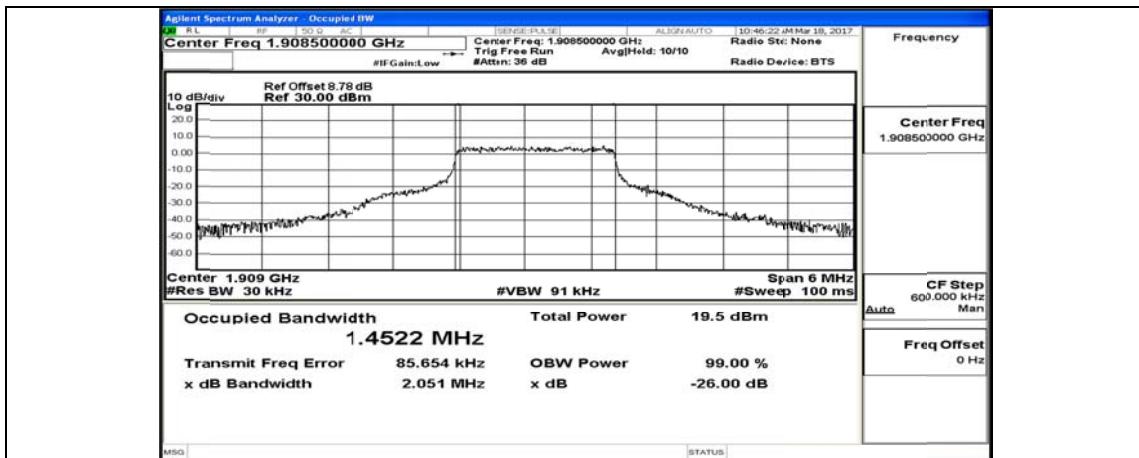


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#7**

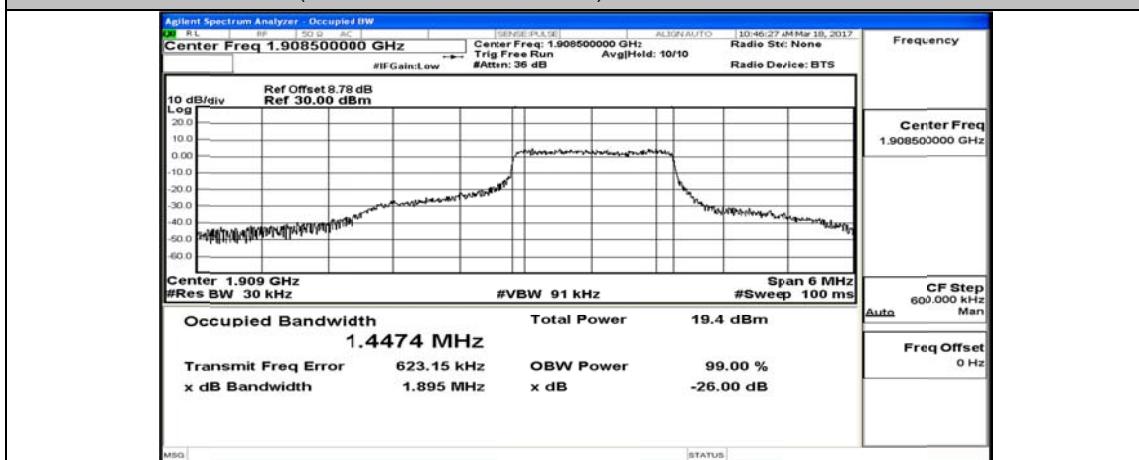


**(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#7**

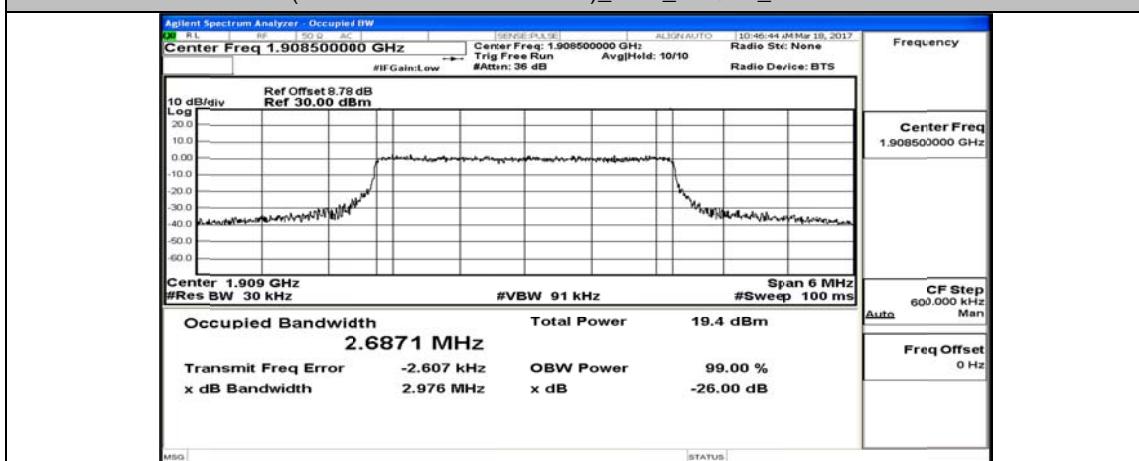




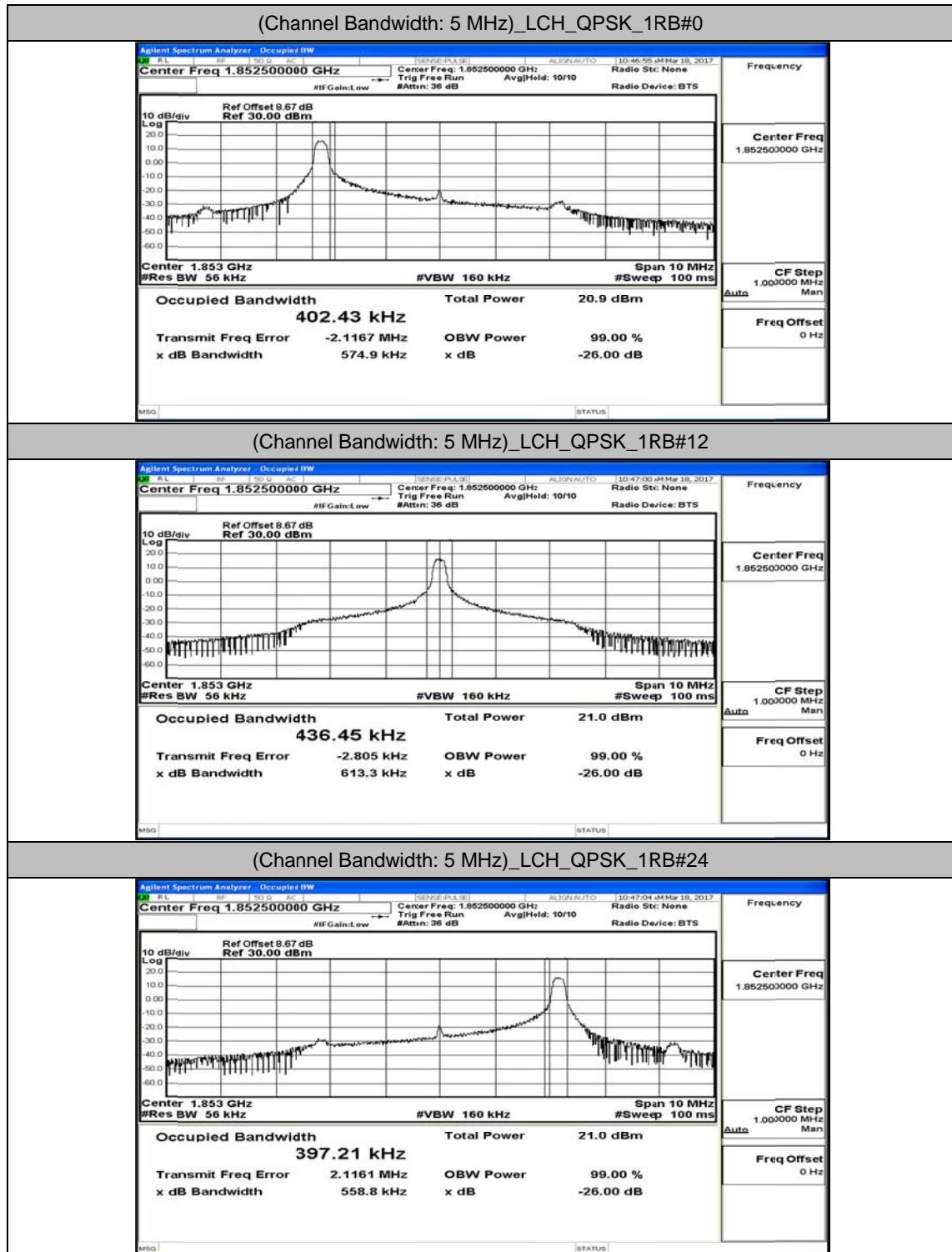
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#7



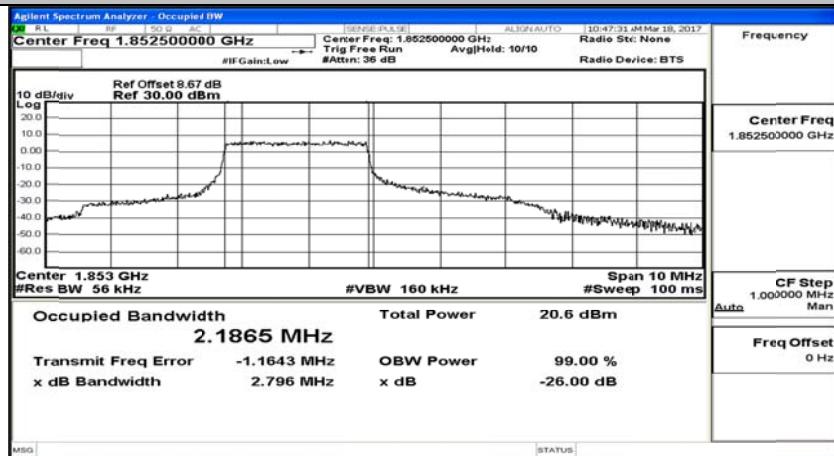
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_15RB#0



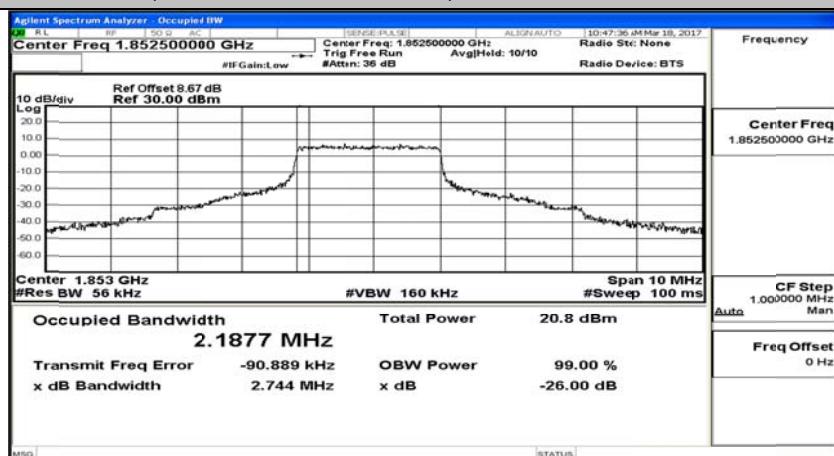
## Channel Bandwidth: 5 MHz



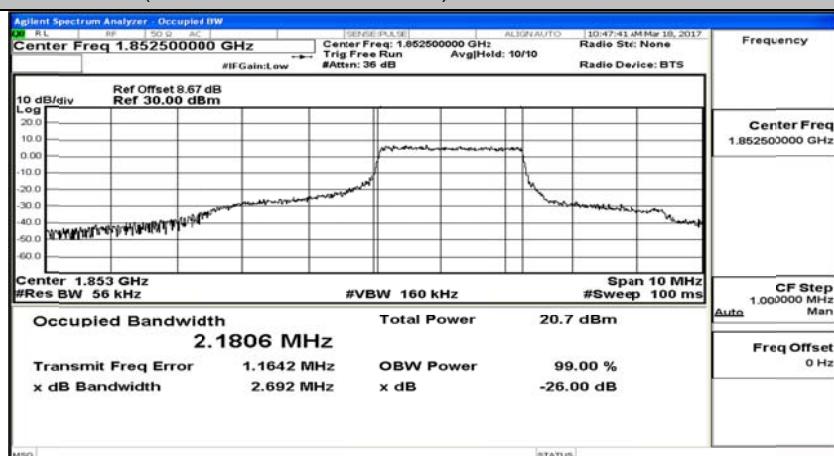
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



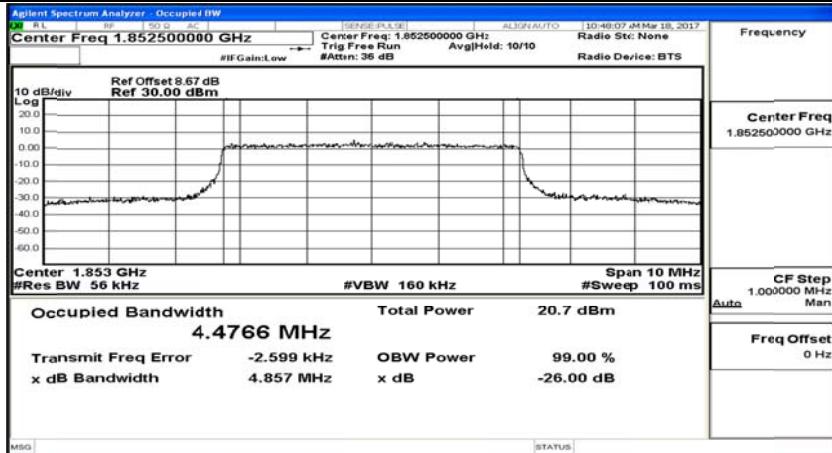
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



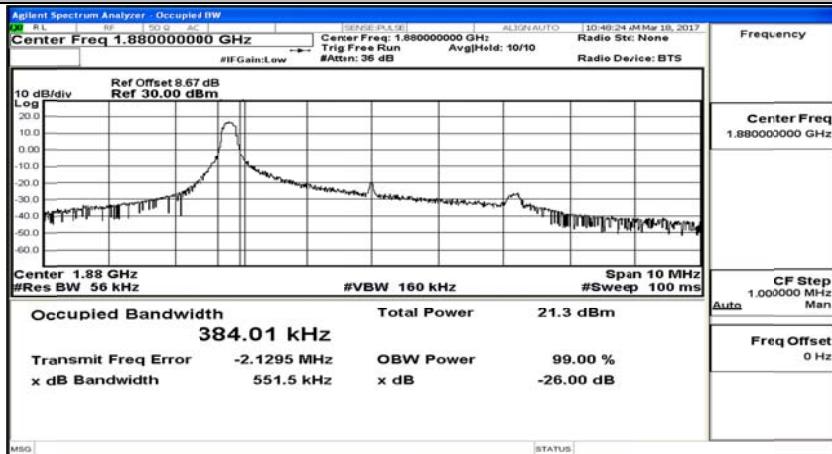
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



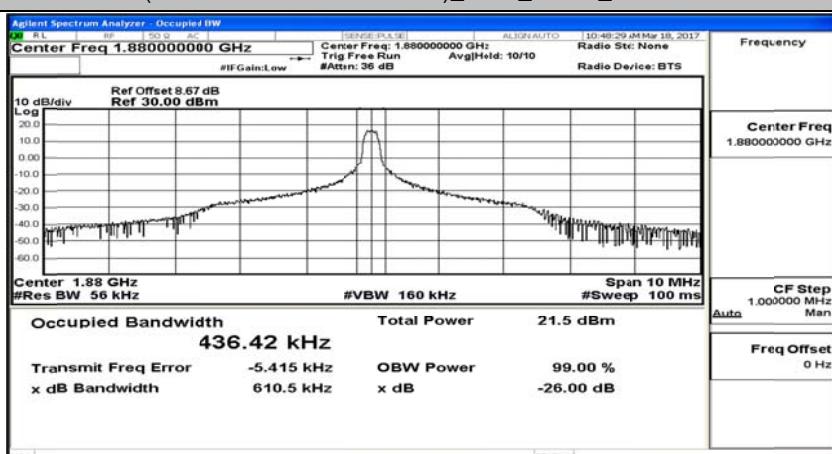
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



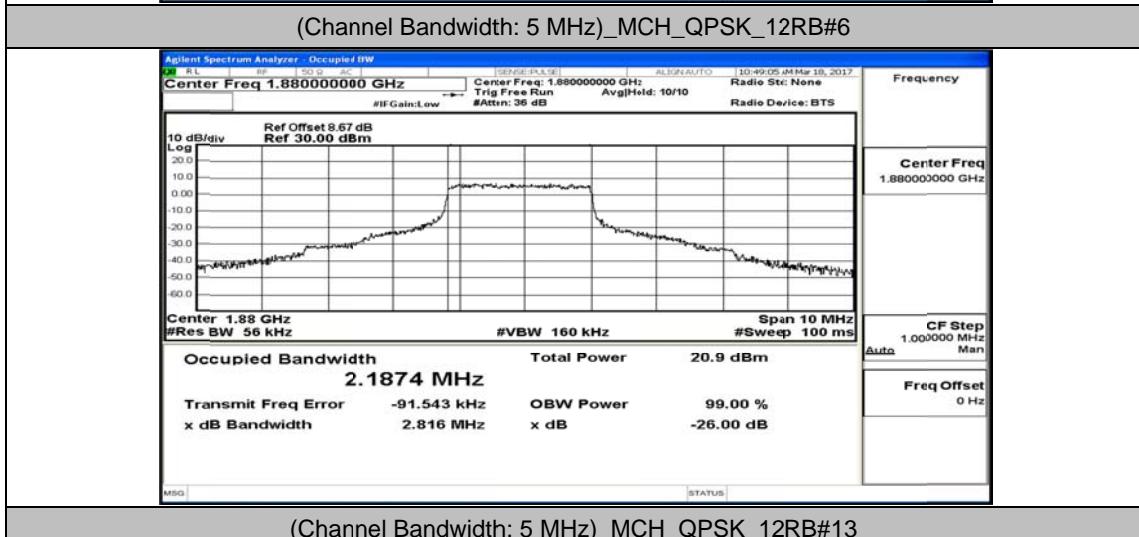
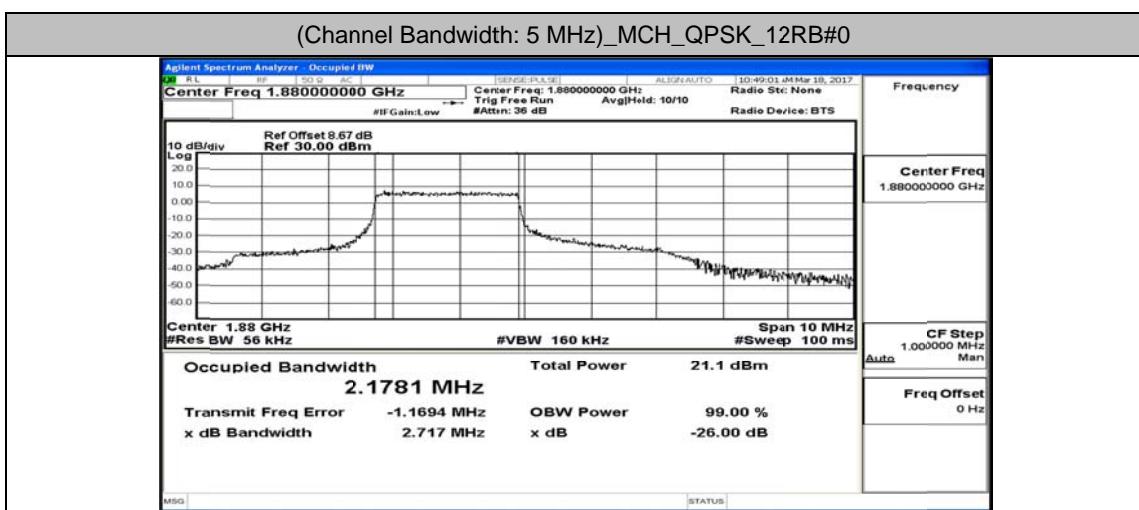
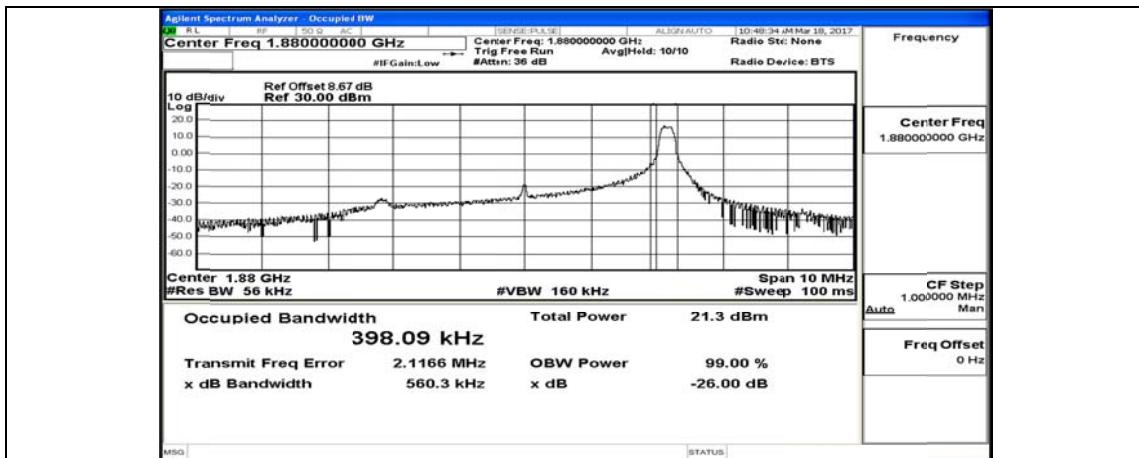
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



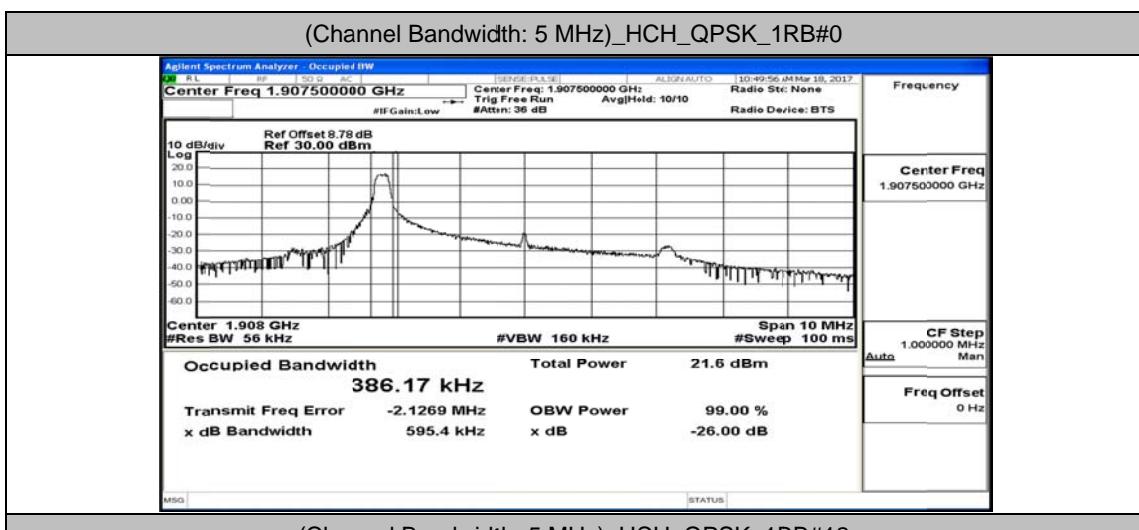
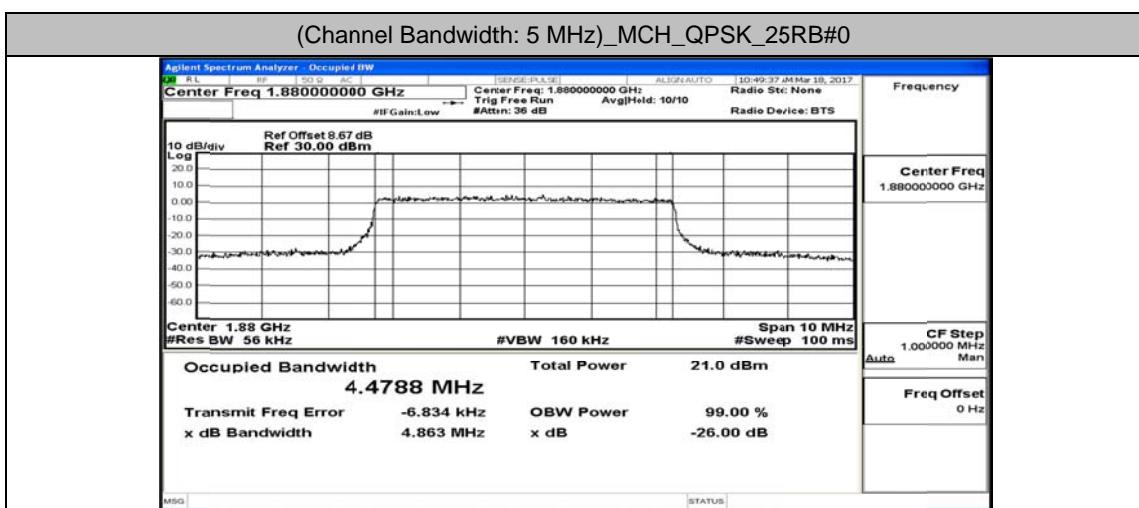
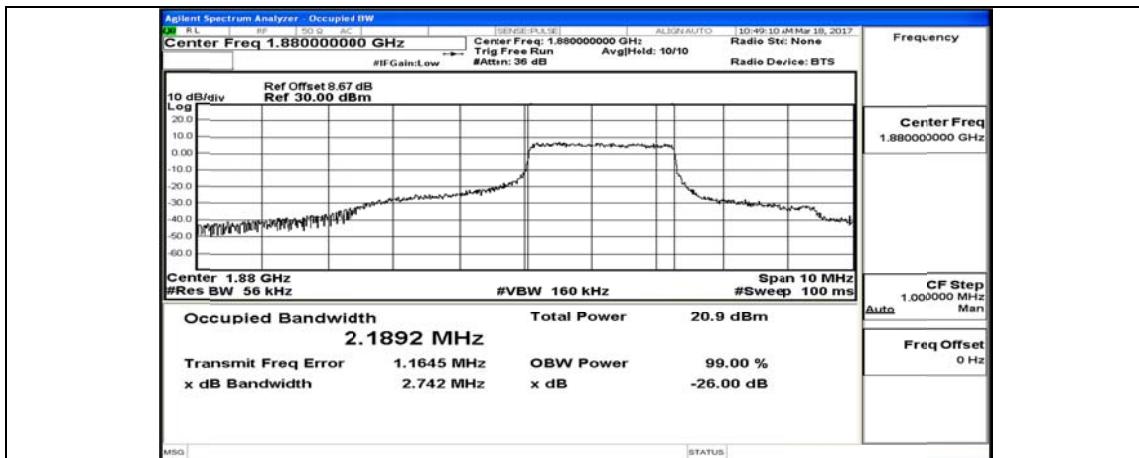
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12

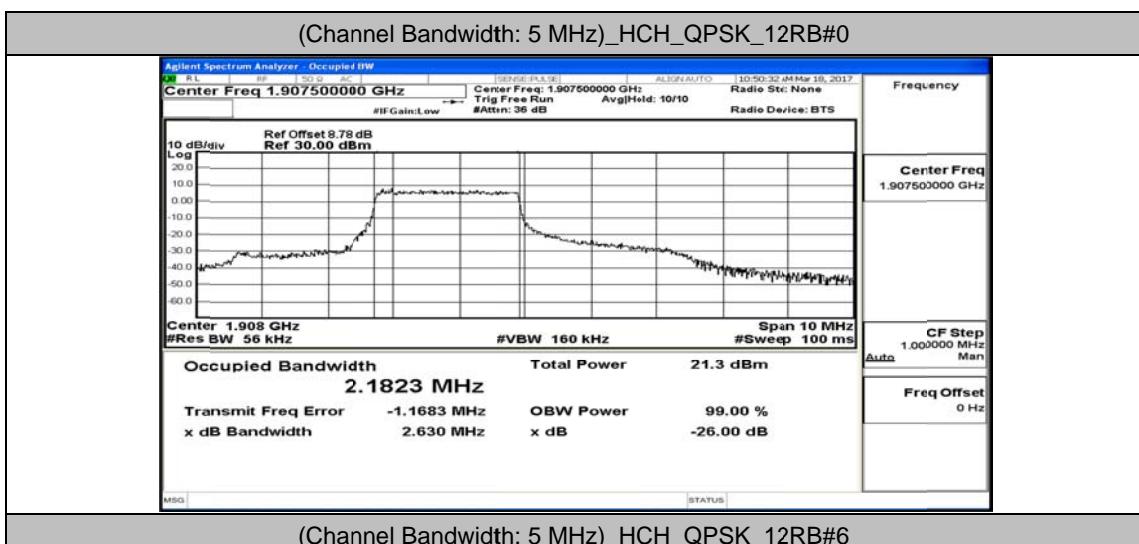
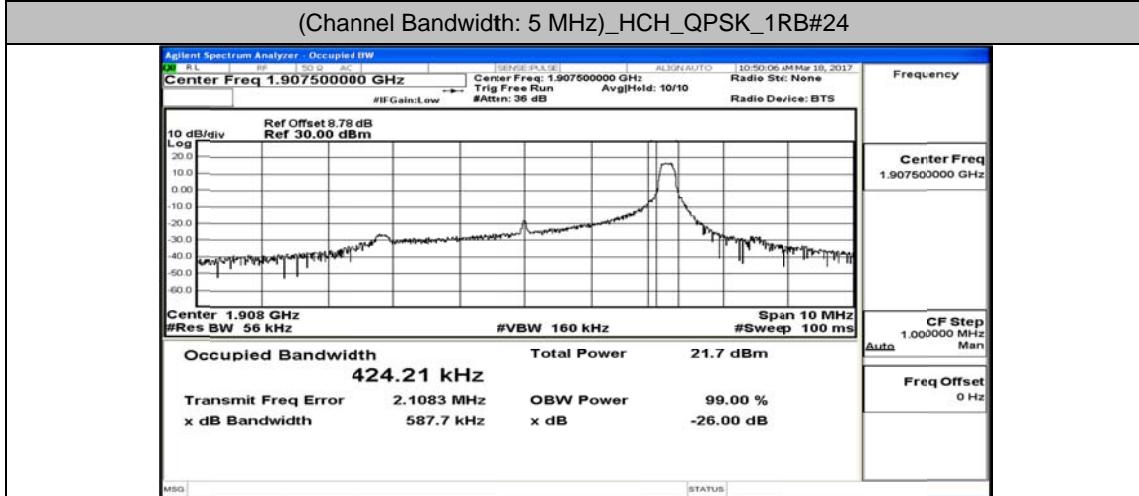
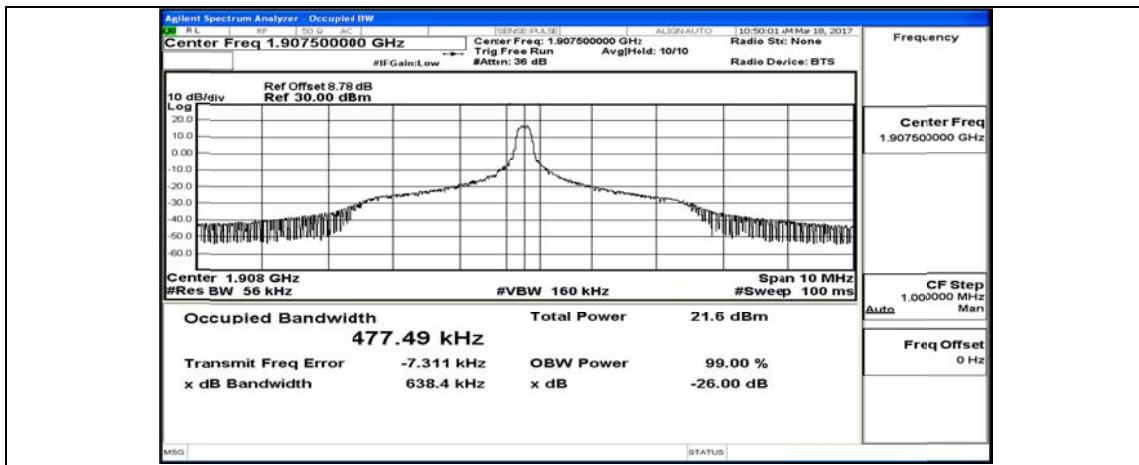


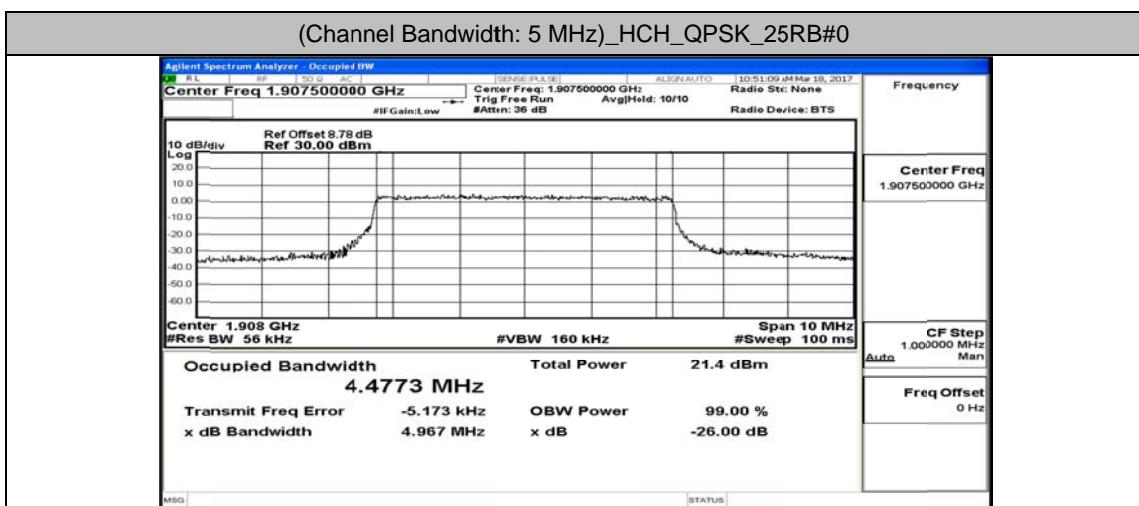
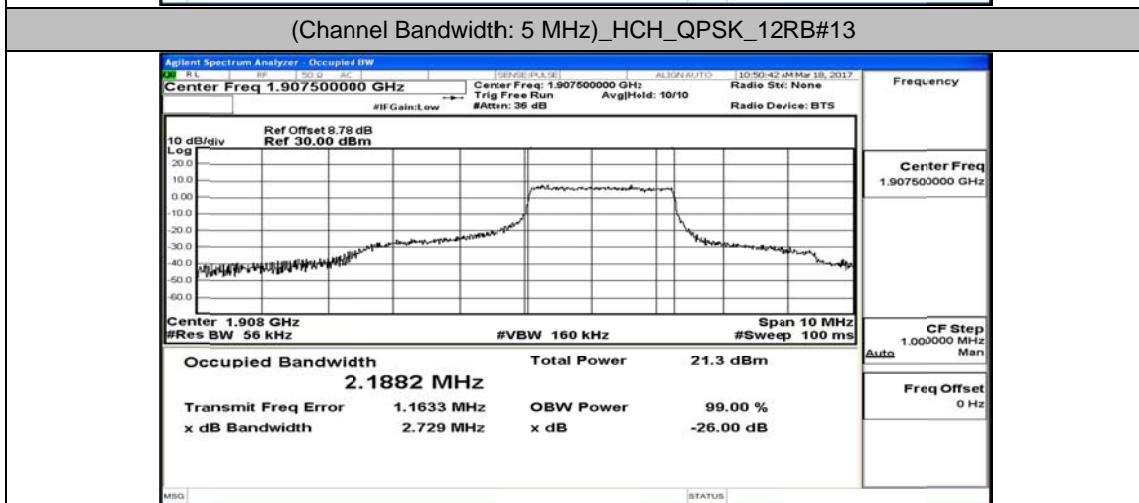
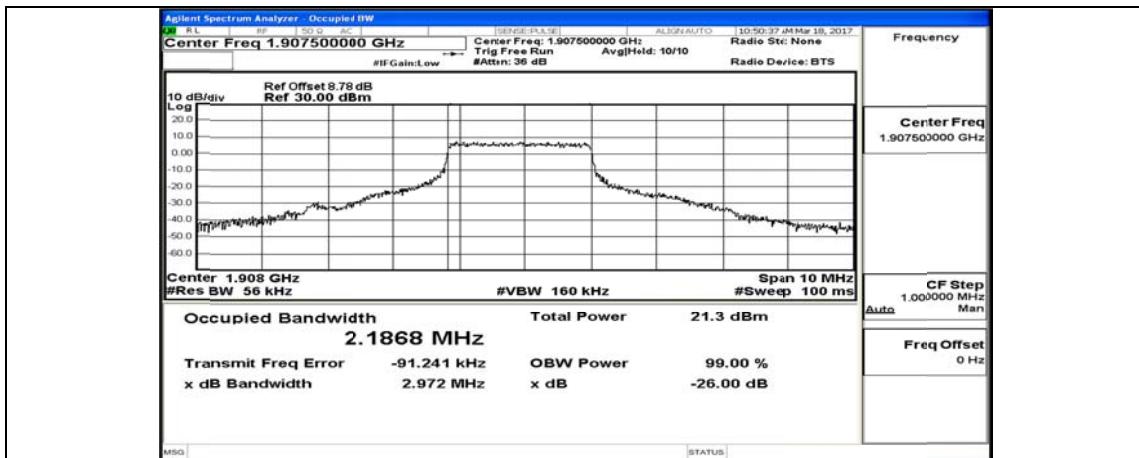
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24



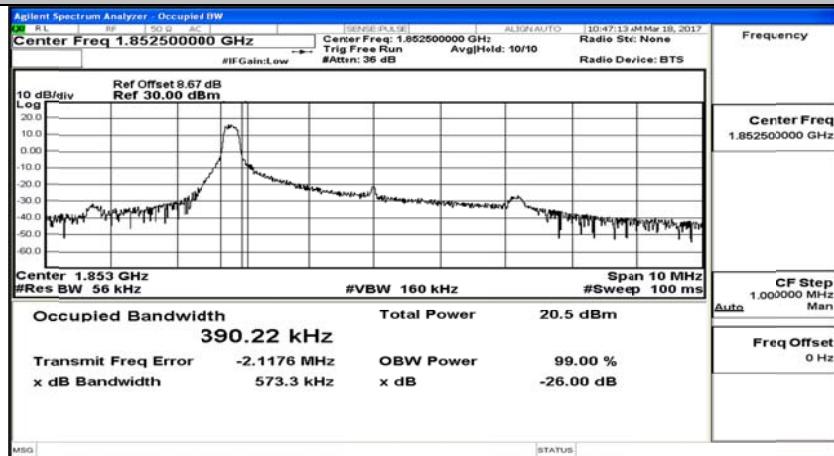
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13



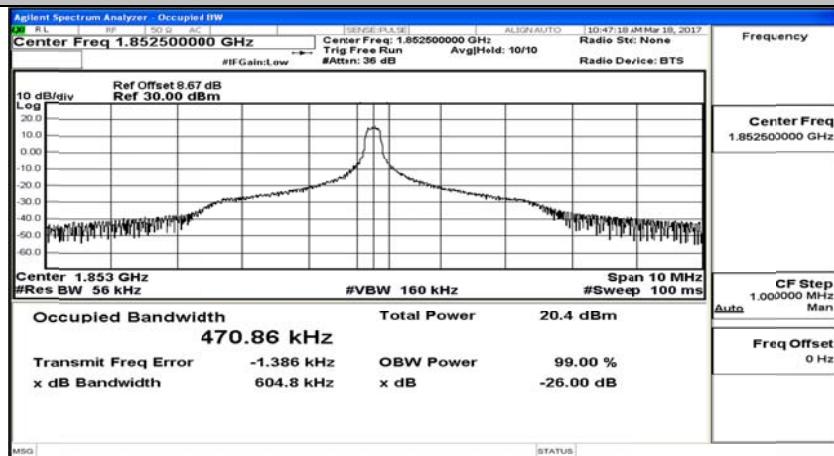




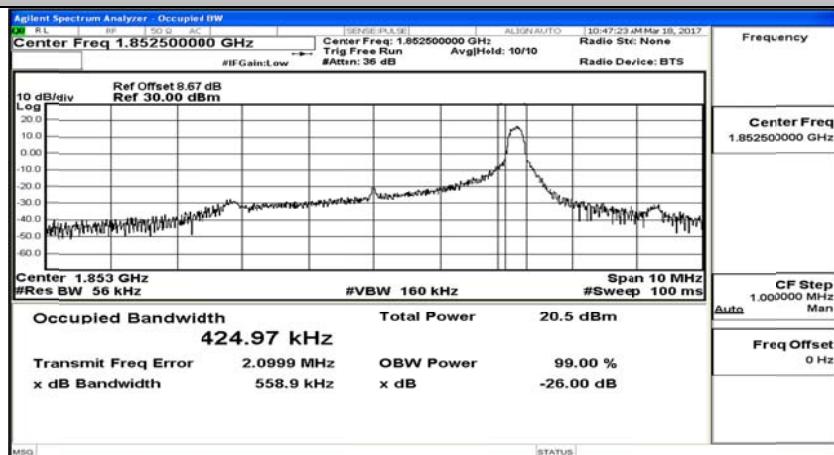
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



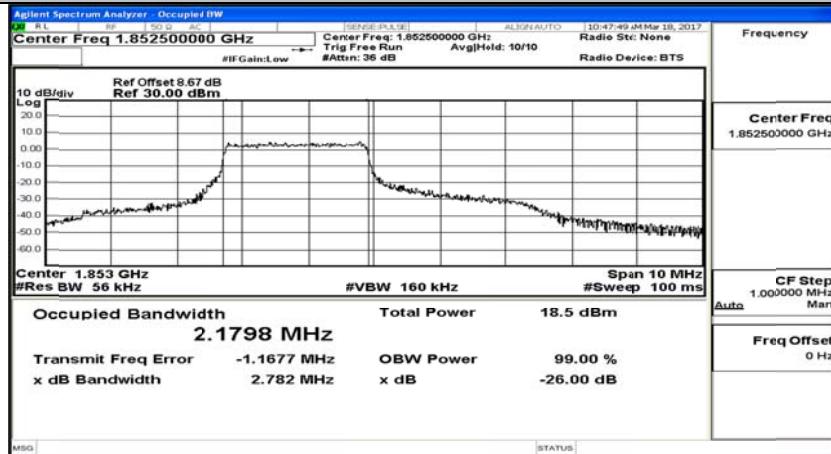
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



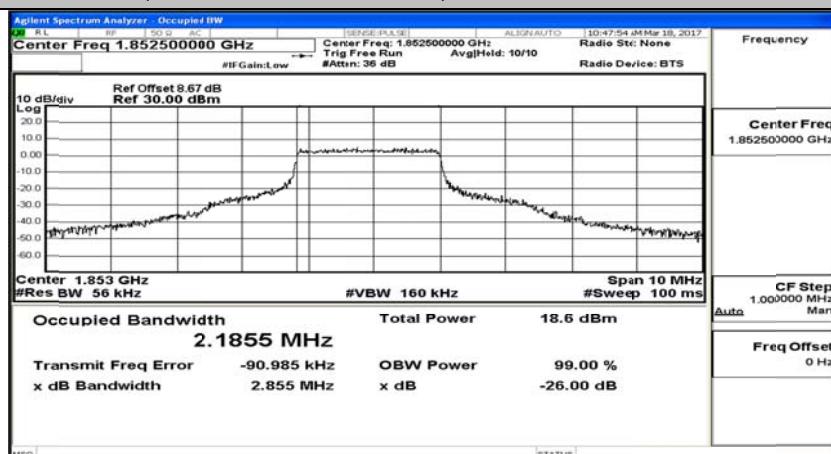
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



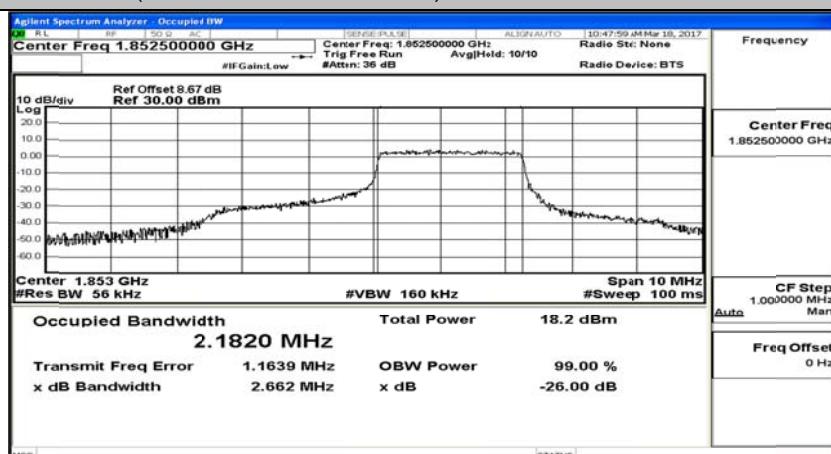
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



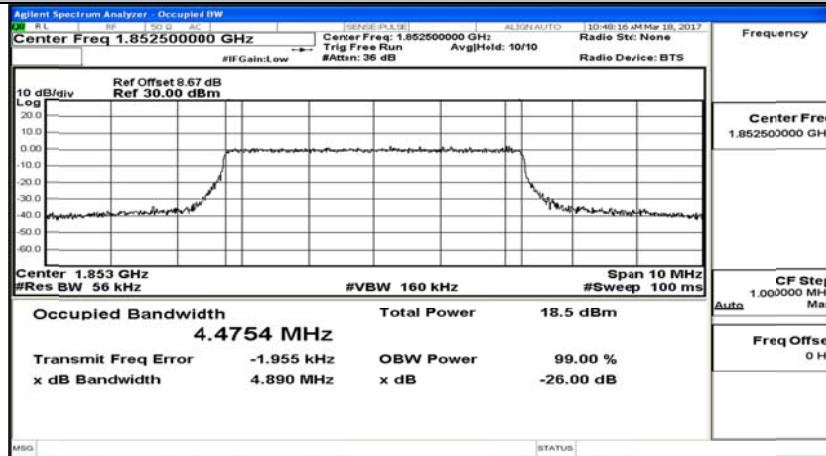
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



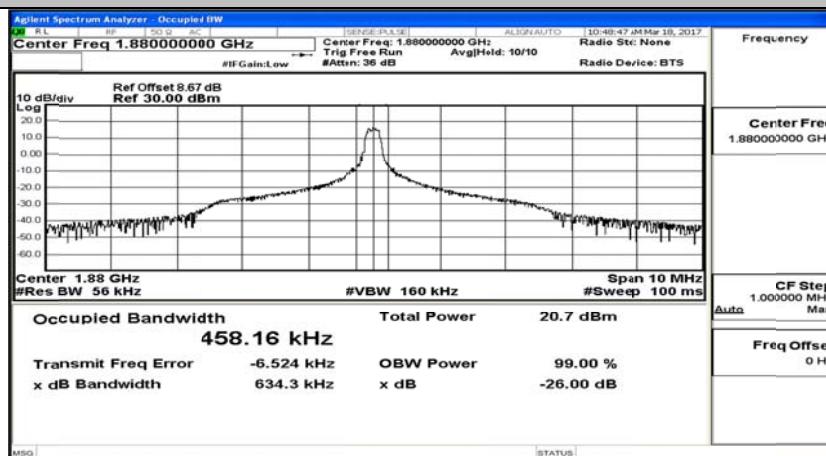
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



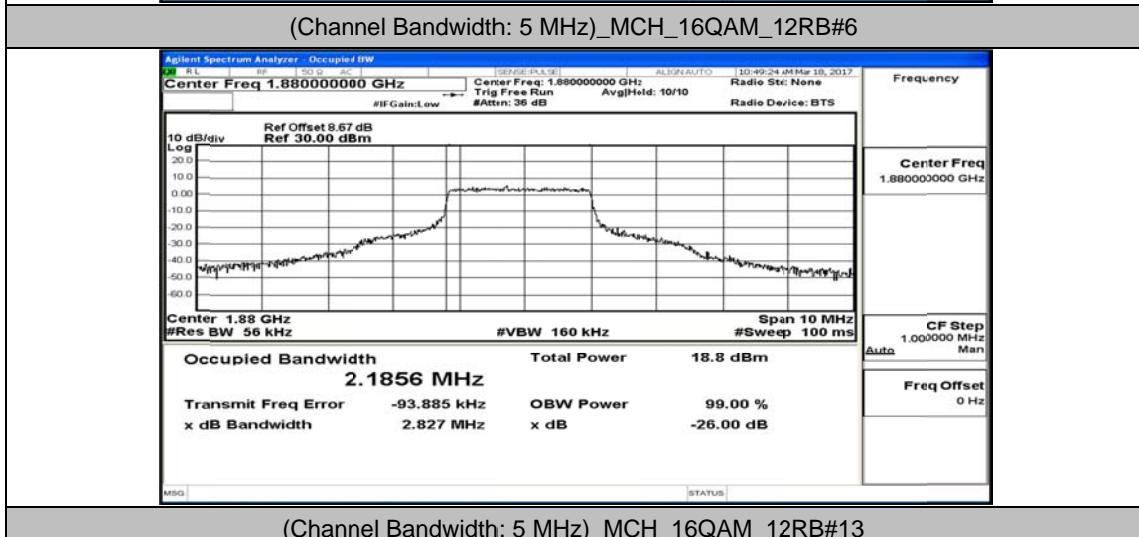
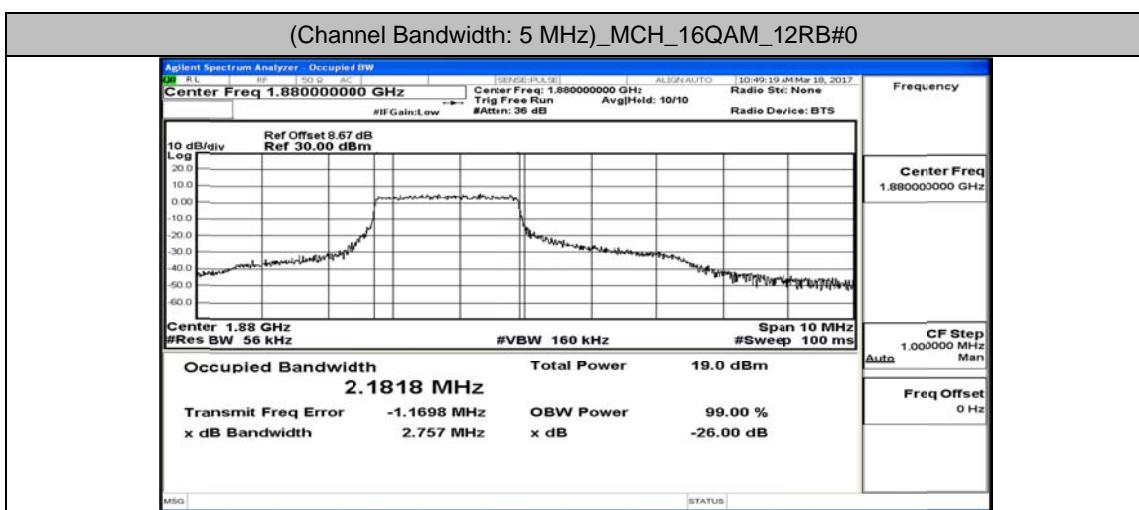
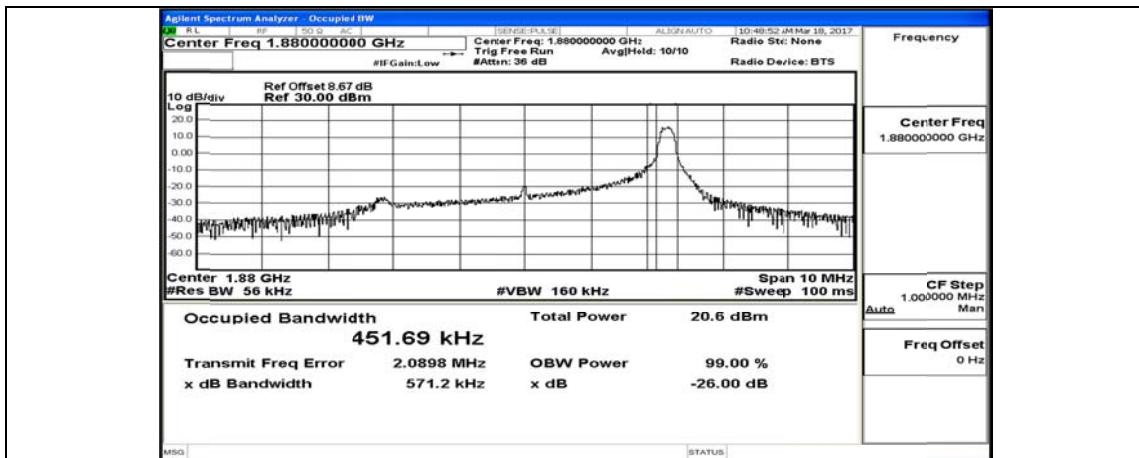
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



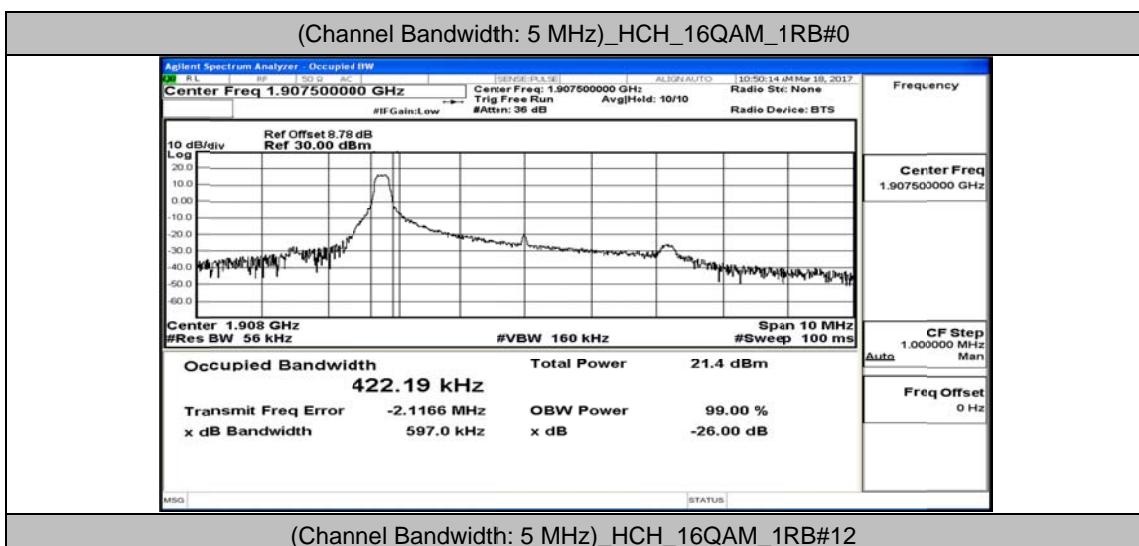
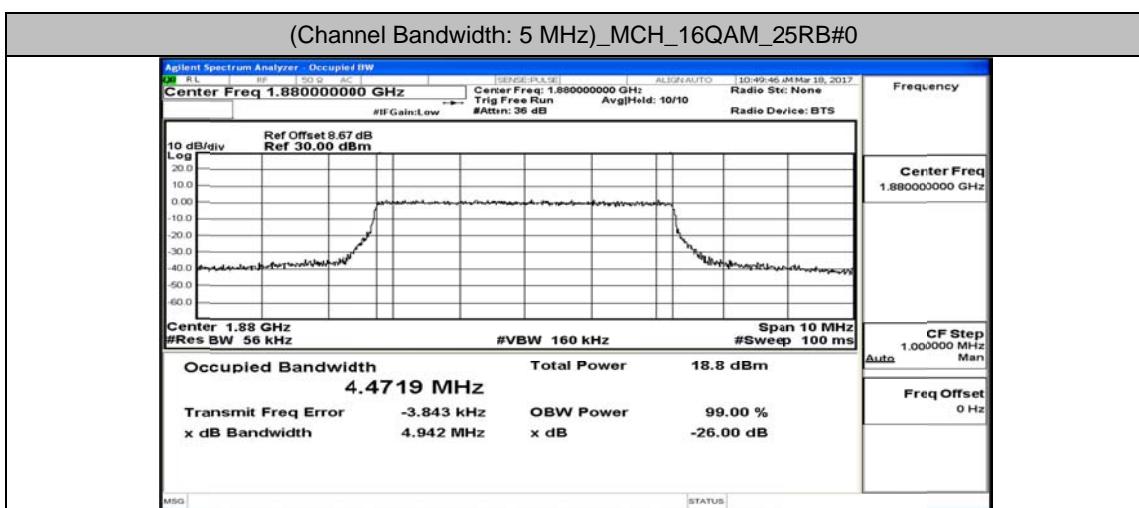
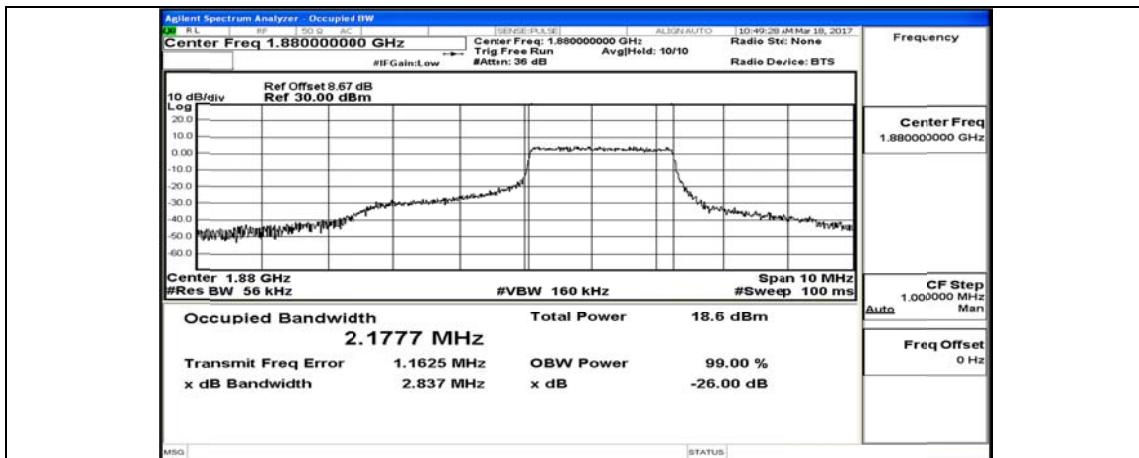
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12

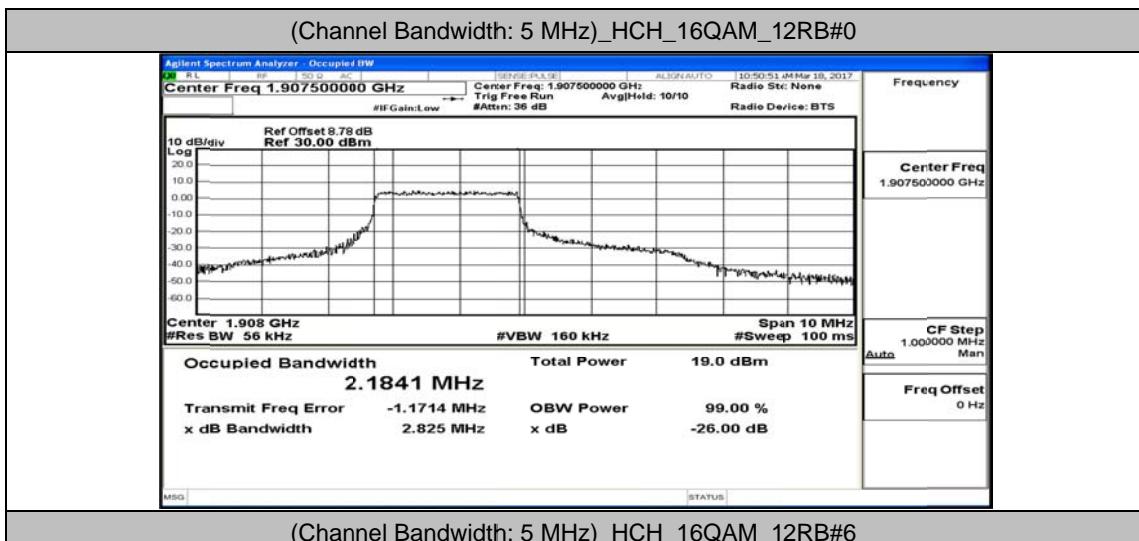
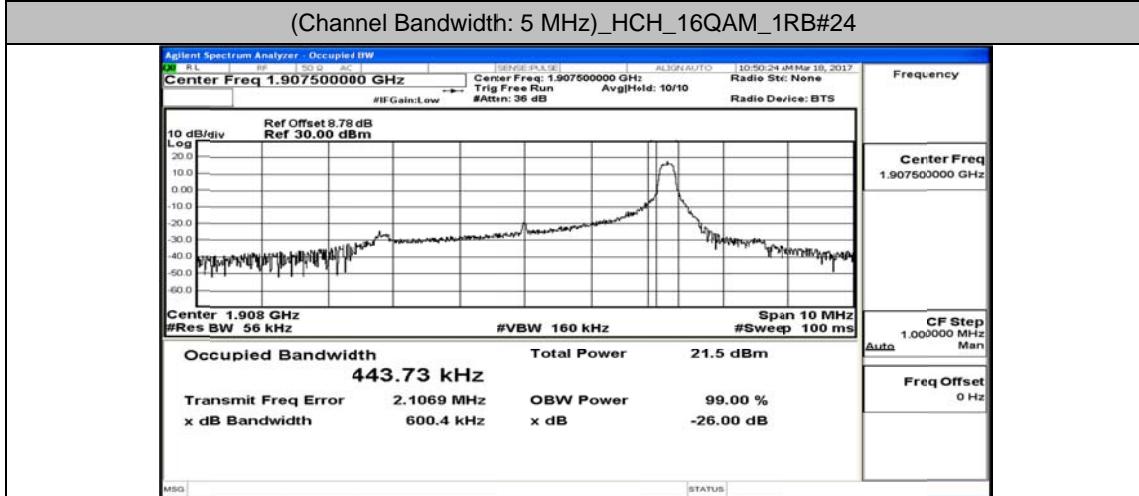
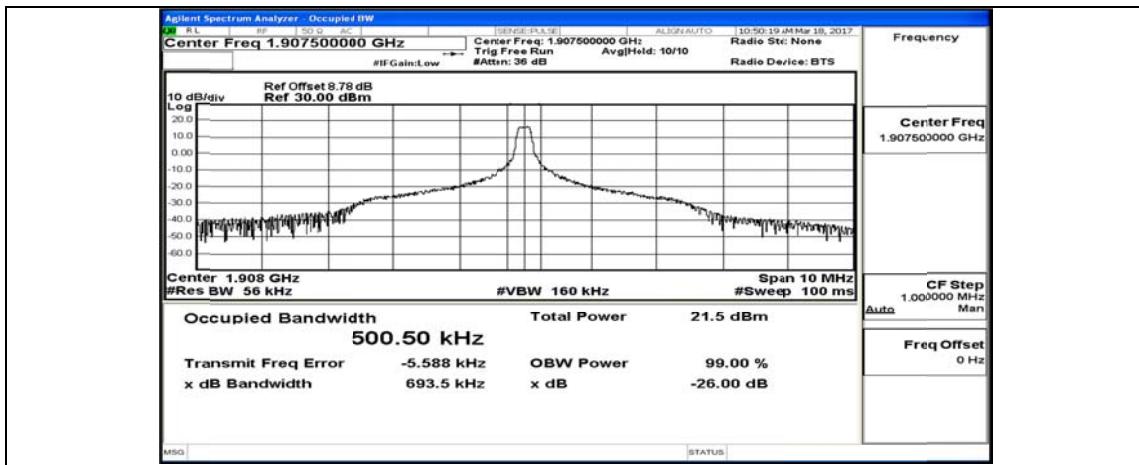


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24

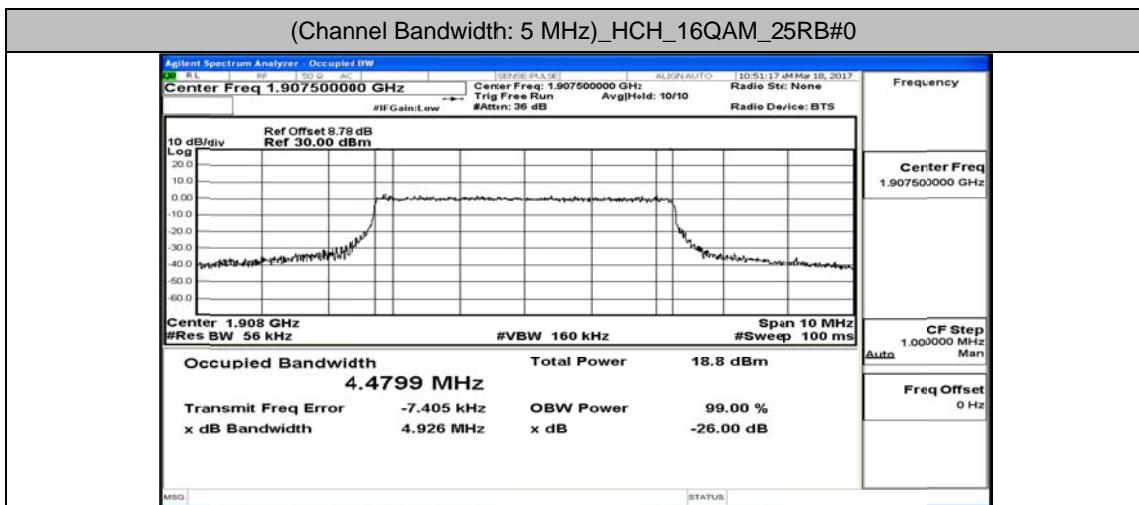
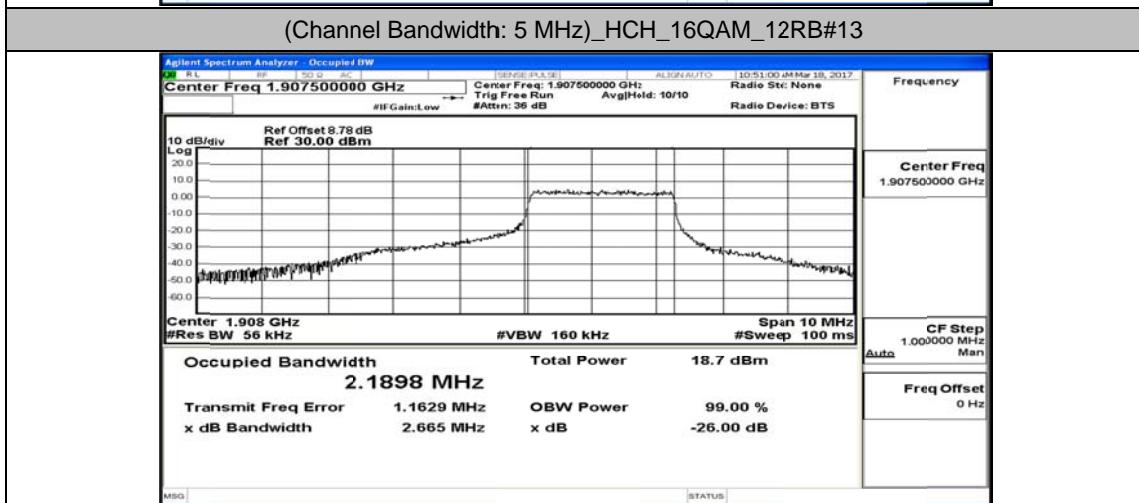
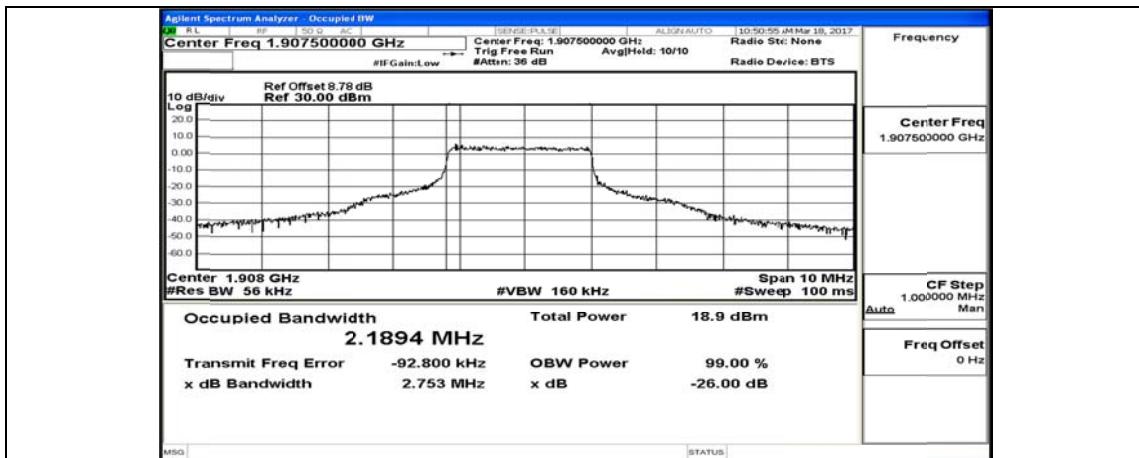


**(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#13**





**(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6**



## Channel Bandwidth: 10 MHz

