

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	0.24871	0.3816	PASS
		1	3	0.27345	0.4402	PASS
		1	5	0.25339	0.4062	PASS
		3	0	0.55983	0.8831	PASS
		3	2	0.55872	0.8411	PASS
		3	3	0.55643	0.8171	PASS
		6	0	1.0808	1.3090	PASS
	MCH	1	0	0.25319	0.3973	PASS
		1	3	0.27052	0.4212	PASS
		1	5	0.26027	0.4061	PASS
		3	0	0.55750	0.7576	PASS
		3	2	0.56503	0.8308	PASS
		3	3	0.56011	0.8211	PASS
		6	0	1.0789	1.3320	PASS
16QAM	LCH	1	0	0.25665	0.4070	PASS
		1	3	0.27489	0.4426	PASS
		1	5	0.26852	0.3979	PASS
		3	0	0.56356	0.8127	PASS
		3	2	0.56210	0.8446	PASS
		3	3	0.57200	0.8299	PASS
		6	0	1.0818	1.3200	PASS
	MCH	1	0	0.26851	0.4103	PASS
		1	3	0.28386	0.4910	PASS
		1	5	0.26875	0.3997	PASS
		3	0	0.56388	0.8989	PASS
		3	2	0.57949	0.8963	PASS
		3	3	0.57094	0.7953	PASS
		6	0	1.0841	1.3650	PASS

		3	3	0.57712	0.8615	PASS
		6	0	1.0813	1.3370	PASS
HCH	HCH	1	0	0.25922	0.4149	PASS
		1	3	0.29203	0.4441	PASS
		1	5	0.26772	0.4352	PASS
		3	0	0.55941	0.7994	PASS
		3	2	0.56386	0.8582	PASS
		3	3	0.56517	0.8179	PASS
		6	0	1.0792	1.3210	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	0.30034	0.4381	PASS
		1	7	0.37173	0.5639	PASS
		1	14	0.31630	0.4851	PASS
		8	0	1.4478	1.7650	PASS
		8	4	1.4541	1.9300	PASS
		8	7	1.4504	1.8200	PASS
		15	0	2.6831	2.9470	PASS
	MCH	1	0	0.29284	0.4259	PASS
		1	7	0.35910	0.5273	PASS
		1	14	0.31110	0.4396	PASS
		8	0	1.4503	1.7610	PASS
		8	4	1.4564	2.1860	PASS
		8	7	1.4499	1.8080	PASS
		15	0	2.6814	2.9660	PASS
	HCH	1	0	0.29851	0.4803	PASS
		1	7	0.34139	0.4814	PASS
		1	14	0.30128	0.4312	PASS
		8	0	1.4538	1.8250	PASS
		8	4	1.4578	1.9630	PASS
		8	7	1.4531	1.8060	PASS
		15	0	2.6803	2.9140	PASS
16QAM	LCH	1	0	0.33325	0.4736	PASS
		1	7	0.39170	0.5740	PASS
		1	14	0.31968	0.4541	PASS
		8	0	1.4467	1.8200	PASS
		8	4	1.4559	1.8850	PASS

		8	7	1.4487	1.8090	PASS
		15	0	2.6799	2.9510	PASS
MCH	MCH	1	0	0.30655	0.4337	PASS
		1	7	0.36911	0.5404	PASS
		1	14	0.31084	0.4194	PASS
		8	0	1.4523	1.8380	PASS
		8	4	1.4561	1.9760	PASS
		8	7	1.4524	1.8410	PASS
		15	0	2.6805	2.9150	PASS
HCH	HCH	1	0	0.30107	0.4155	PASS
		1	7	0.36497	0.5010	PASS
		1	14	0.30046	0.4279	PASS
		8	0	1.4437	1.8780	PASS
		8	4	1.4548	1.9650	PASS
		8	7	1.4471	1.9060	PASS
		15	0	2.6858	3.0450	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	0.39286	0.5617	PASS
		1	12	0.41829	0.6070	PASS
		1	24	0.38037	0.5272	PASS
		12	0	2.1844	2.771	PASS
		12	6	2.1868	2.718	PASS
		12	13	2.1840	2.703	PASS
		25	0	4.4767	4.848	PASS
	MCH	1	0	0.38045	0.5741	PASS
		1	12	0.43026	0.6112	PASS
		1	24	0.36630	0.5364	PASS
		12	0	2.1795	2.723	PASS
		12	6	2.1895	2.856	PASS
		12	13	2.1894	2.726	PASS
		25	0	4.4747	4.873	PASS
	HCH	1	0	0.37056	0.5582	PASS
		1	12	0.45152	0.6348	PASS
		1	24	0.41699	0.6059	PASS
		12	0	2.1817	2.632	PASS
		12	6	2.1904	2.841	PASS

		12	13	2.1857	2.837	PASS
		25	0	4.4753	4.900	PASS
16QAM	LCH	1	0	0.39198	0.5247	PASS
		1	12	0.44816	0.6069	PASS
		1	24	0.40899	0.5461	PASS
		12	0	2.1784	2.804	PASS
		12	6	2.1796	2.857	PASS
		12	13	2.1831	2.897	PASS
		25	0	4.4745	4.912	PASS
	MCH	1	0	0.37570	0.5391	PASS
		1	12	0.45377	0.6194	PASS
		1	24	0.41063	0.5555	PASS
		12	0	2.1845	2.765	PASS
		12	6	2.1823	2.794	PASS
		12	13	2.1761	2.817	PASS
		25	0	4.4720	4.864	PASS
	HCH	1	0	0.40098	0.5666	PASS
		1	12	0.49588	0.6015	PASS
		1	24	0.40177	0.5687	PASS
		12	0	2.1825	2.769	PASS
		12	6	2.1864	2.975	PASS
		12	13	2.1829	2.826	PASS
		25	0	4.4851	4.933	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	0.47000	0.6829	PASS
		1	25	0.53992	0.6839	PASS
		1	49	0.47219	0.6332	PASS
		25	0	4.5203	5.086	PASS
		25	12	4.5397	5.420	PASS
		25	25	4.5266	5.276	PASS
		50	0	8.9494	9.542	PASS
	MCH	1	0	0.46800	0.6550	PASS
		1	25	0.55816	0.6819	PASS
		1	49	0.47021	0.6429	PASS
		25	0	4.5320	5.058	PASS
		25	12	4.5309	5.471	PASS
		25	25	4.5243	5.306	PASS

		50	0	8.9479	9.512	PASS
16QAM	HCH	1	0	0.49154	0.6550	PASS
		1	25	0.55695	0.7150	PASS
		1	49	0.47944	0.6214	PASS
		25	0	4.5205	5.157	PASS
		25	12	4.5287	5.324	PASS
		25	25	4.5261	5.179	PASS
		50	0	8.9430	9.523	PASS
16QAM	LCH	1	0	0.49037	0.6382	PASS
		1	25	0.52804	0.6914	PASS
		1	49	0.50833	0.6648	PASS
		25	0	4.5179	5.300	PASS
		25	12	4.5245	5.533	PASS
		25	25	4.5338	5.191	PASS
		50	0	8.9447	9.480	PASS
	MCH	1	0	0.46077	0.6645	PASS
		1	25	0.50719	0.7488	PASS
		1	49	0.46999	0.6461	PASS
		25	0	4.5170	5.251	PASS
		25	12	4.5378	5.503	PASS
		25	25	4.5209	5.133	PASS
		50	0	8.9470	9.495	PASS
16QAM	HCH	1	0	0.49056	0.6779	PASS
		1	25	0.54434	0.7167	PASS
		1	49	0.48176	0.6578	PASS
		25	0	4.5237	5.237	PASS
		25	12	4.5292	5.569	PASS
		25	25	4.5222	5.413	PASS
		50	0	8.9570	9.575	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	0.60776	0.8115	PASS
		1	37	0.62661	0.8198	PASS
		1	74	0.56361	0.7393	PASS
		37	0	6.4948	7.359	PASS
		37	18	6.4934	7.286	PASS
		37	38	6.5132	7.502	PASS
		75	0	13.394	14.17	PASS

	MCH	1	0	0.57751	0.8379	PASS
		1	37	0.63457	0.8868	PASS
		1	74	0.56372	0.7783	PASS
		37	0	6.5042	7.302	PASS
		37	18	6.4967	7.377	PASS
		37	38	6.5034	7.358	PASS
		75	0	13.406	14.23	PASS
	HCH	1	0	0.58559	0.7978	PASS
		1	37	0.65602	0.8937	PASS
		1	74	0.55758	0.7494	PASS
		37	0	6.4966	7.225	PASS
		37	18	6.4969	7.453	PASS
		37	38	6.4996	7.414	PASS
		75	0	13.391	14.11	PASS
16QAM	LCH	1	0	0.59942	0.7934	PASS
		1	37	0.62950	0.8201	PASS
		1	74	0.57587	0.7422	PASS
		37	0	6.5000	7.498	PASS
		37	18	6.5051	7.531	PASS
		37	38	6.5064	7.463	PASS
		75	0	13.384	14.16	PASS
	MCH	1	0	0.57542	0.7700	PASS
		1	37	0.63959	0.8451	PASS
		1	74	0.58641	0.7580	PASS
		37	0	6.5052	7.423	PASS
		37	18	6.5011	7.533	PASS
		37	38	6.5025	7.529	PASS
		75	0	13.401	14.17	PASS
	HCH	1	0	0.58384	0.8041	PASS
		1	37	0.62337	0.8130	PASS
		1	74	0.57529	0.7416	PASS
		37	0	6.4956	7.480	PASS
		37	18	6.5007	7.814	PASS
		37	38	6.5013	7.475	PASS
		75	0	13.391	14.07	PASS

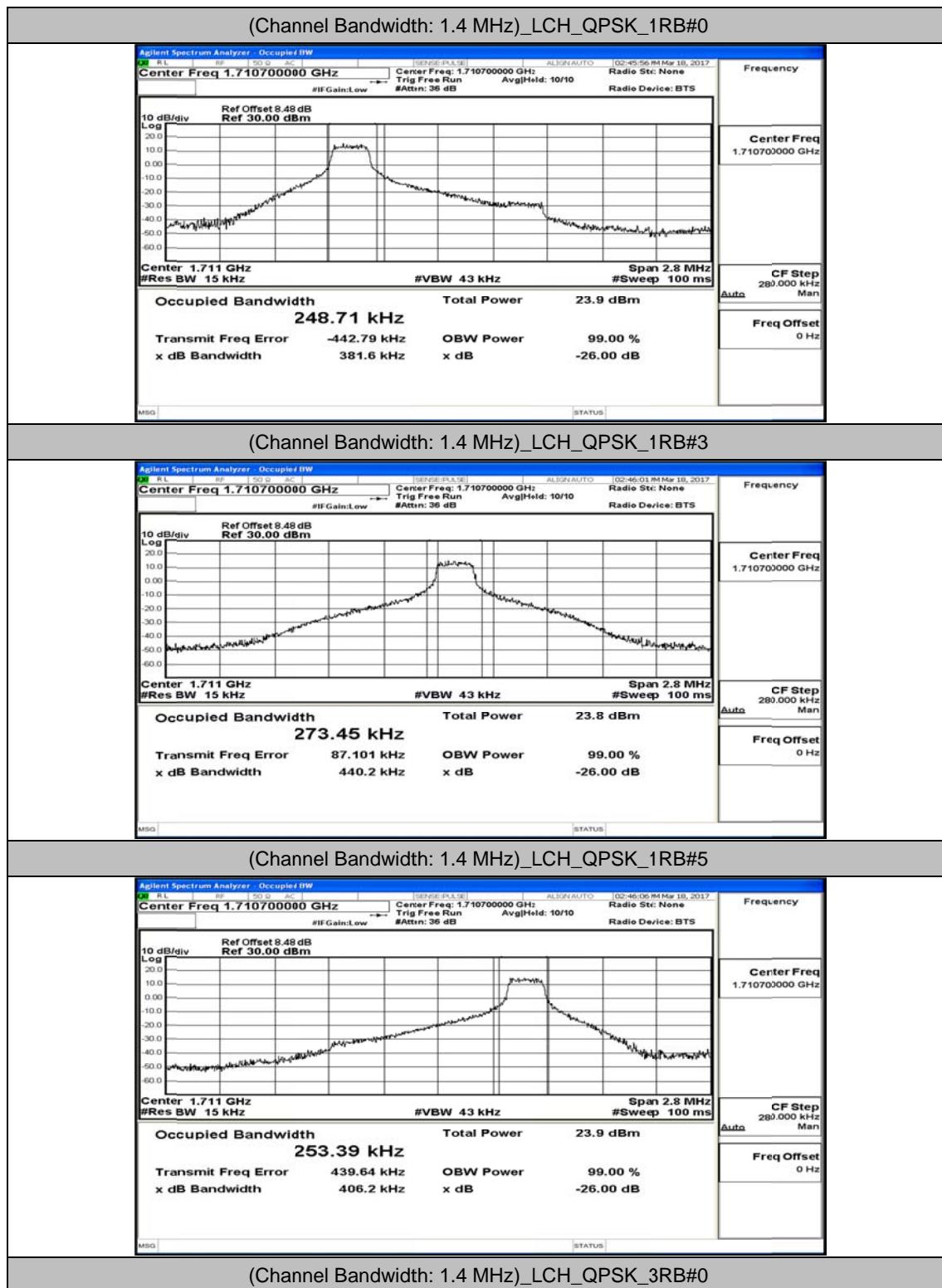
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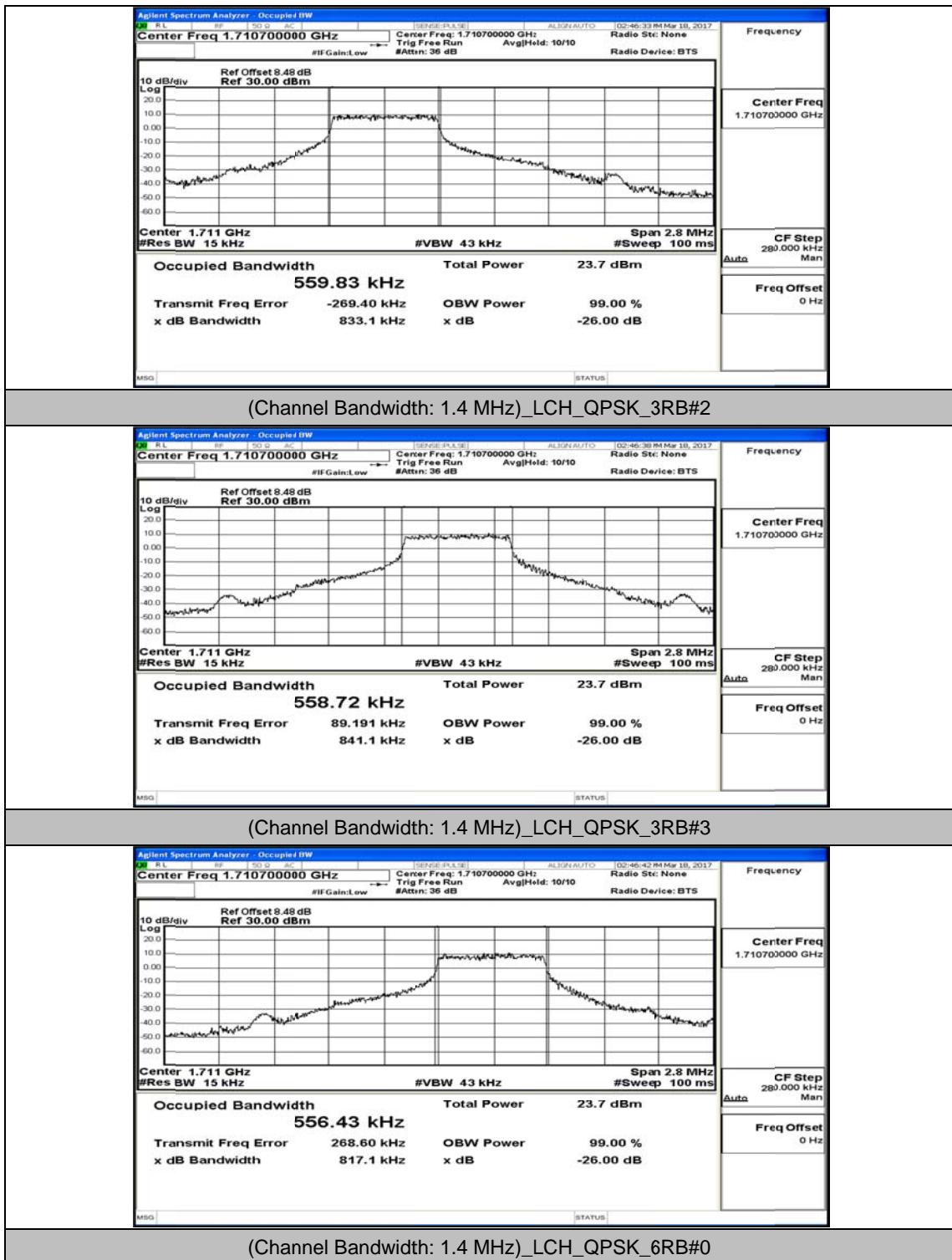
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			

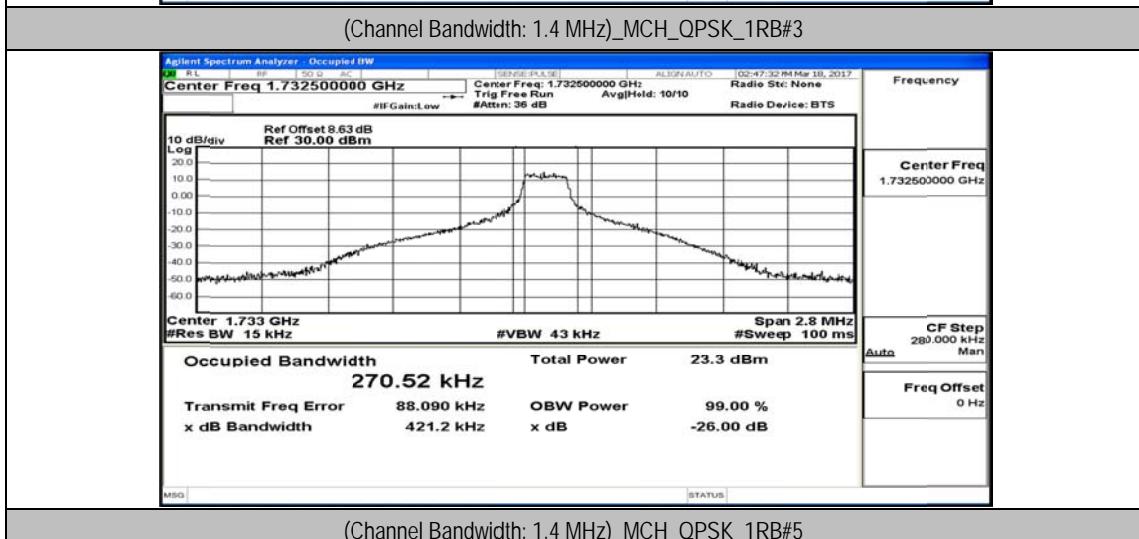
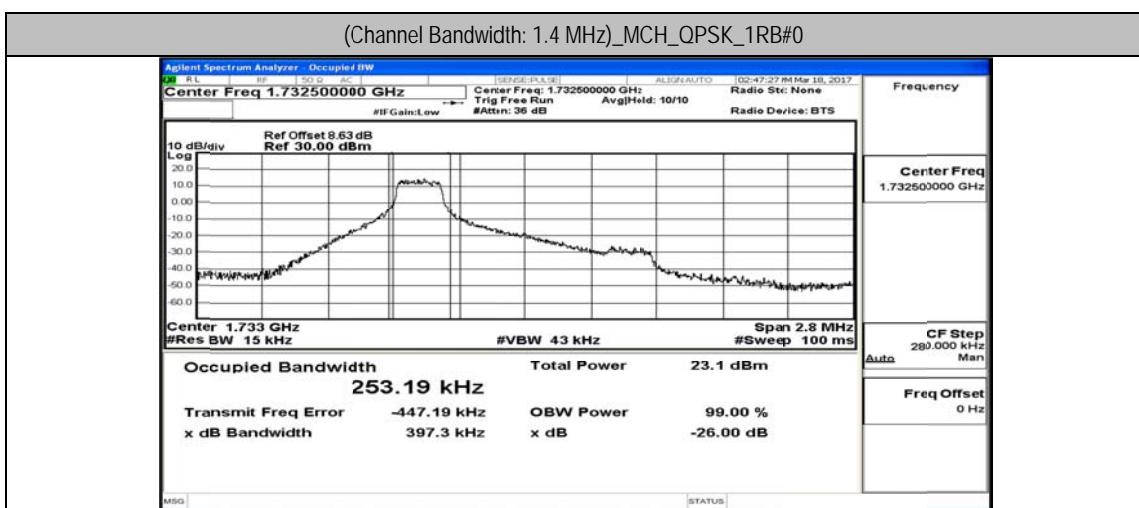
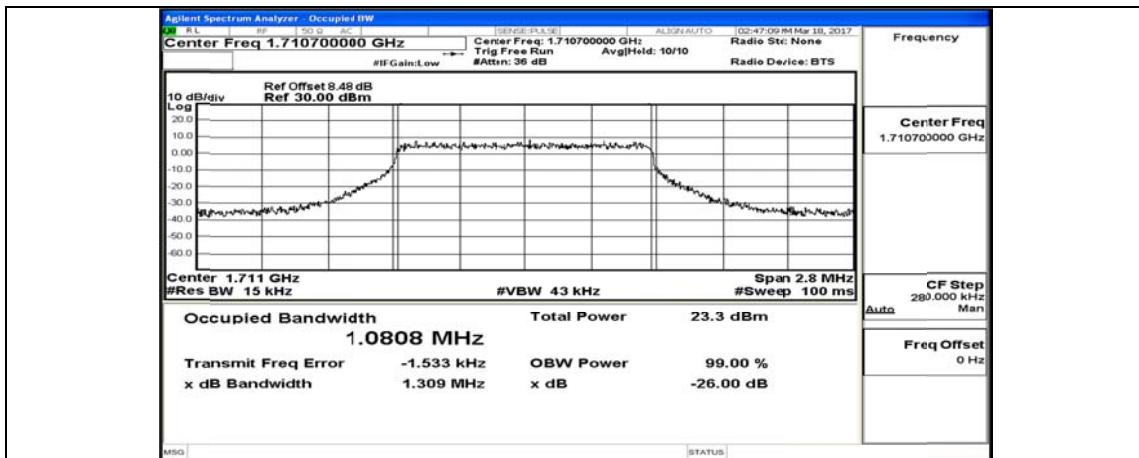
QPSK	LCH	1	0	0.66094	0.9059	PASS
		1	50	0.70717	0.9098	PASS
		1	99	0.67208	0.9280	PASS
		50	0	9.0010	10.05	PASS
		50	25	9.0061	10.04	PASS
		50	50	9.0083	9.973	PASS
		100	0	17.847	18.79	PASS
	MCH	1	0	0.66288	0.8804	PASS
		1	50	0.70831	0.9765	PASS
		1	99	0.65564	0.9261	PASS
		50	0	9.0035	9.855	PASS
		50	25	9.0076	9.969	PASS
		50	50	9.0021	10.20	PASS
		100	0	17.876	18.75	PASS
	HCH	1	0	0.64594	0.8482	PASS
		1	50	0.69980	0.9691	PASS
		1	99	0.70006	0.9473	PASS
		50	0	8.9970	9.811	PASS
		50	25	8.9971	9.723	PASS
		50	50	8.9984	9.738	PASS
		100	0	17.831	18.87	PASS
16QAM	LCH	1	0	0.69633	0.8937	PASS
		1	50	0.67139	0.9336	PASS
		1	99	0.67646	0.9290	PASS
		50	0	9.0102	9.945	PASS
		50	25	8.9935	10.12	PASS
		50	50	9.0064	10.04	PASS
		100	0	17.860	18.82	PASS
	MCH	1	0	0.68738	0.8512	PASS
		1	50	0.68390	0.8954	PASS
		1	99	0.65720	0.8175	PASS
		50	0	9.0002	9.876	PASS
		50	25	8.9916	10.09	PASS
		50	50	9.0017	10.04	PASS
		100	0	17.863	18.83	PASS
	HCH	1	0	0.69604	0.9238	PASS
		1	50	0.70720	0.9000	PASS
		1	99	0.65573	0.9194	PASS
		50	0	8.9941	10.22	PASS
		50	25	8.9815	10.03	PASS
		50	50	8.9851	9.705	PASS
		100	0	17.815	18.73	PASS

Test Graphs

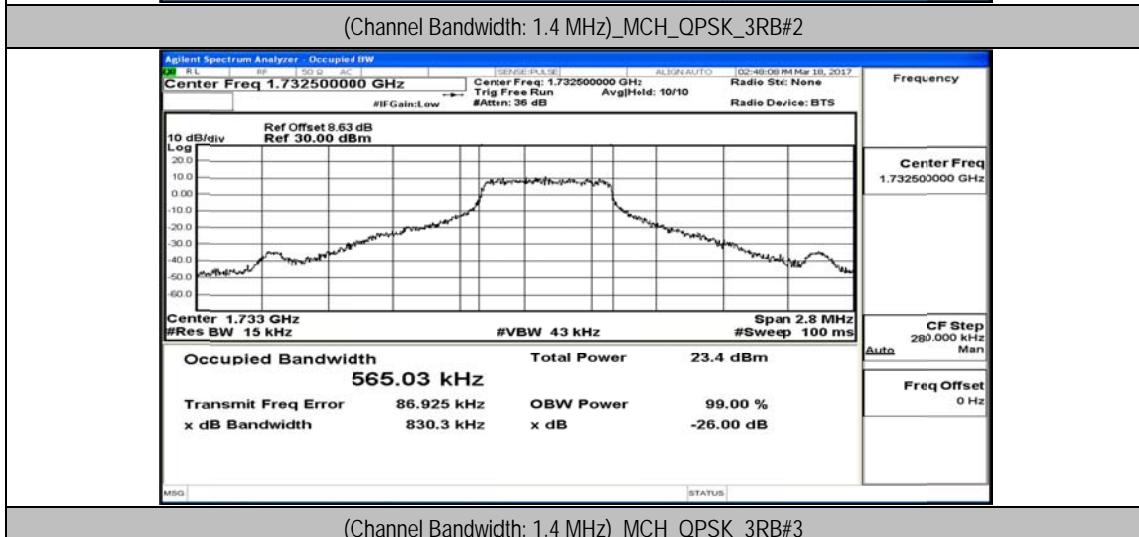
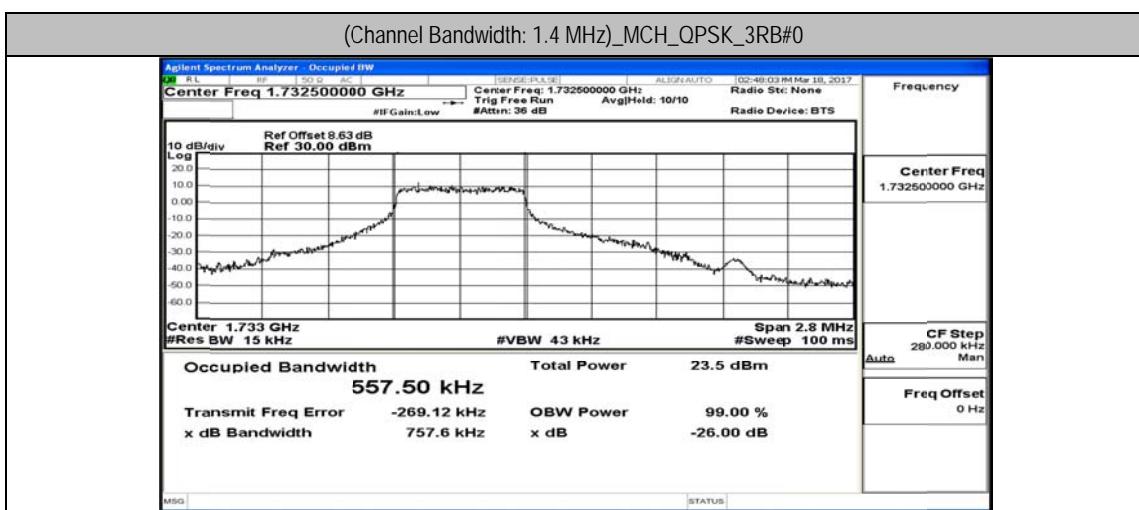
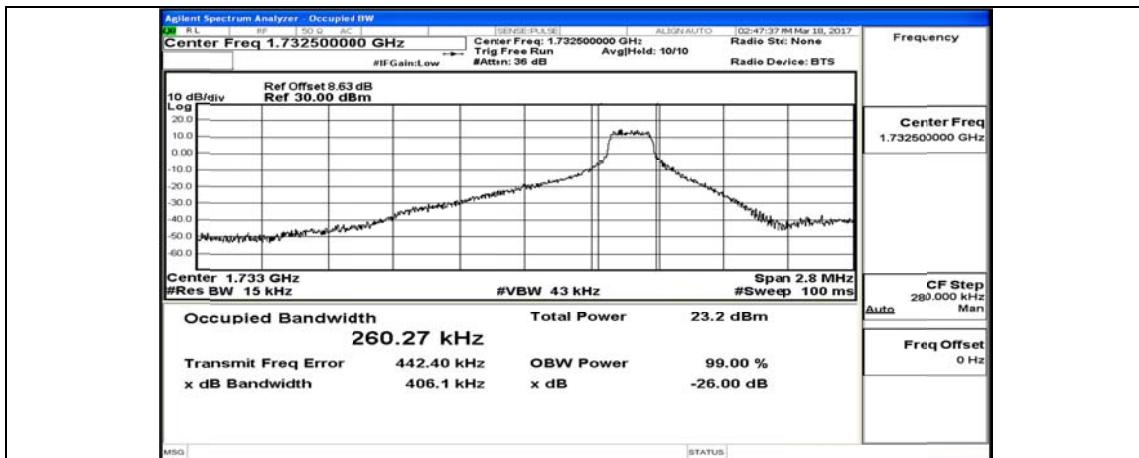
Channel Bandwidth: 1.4 MHz



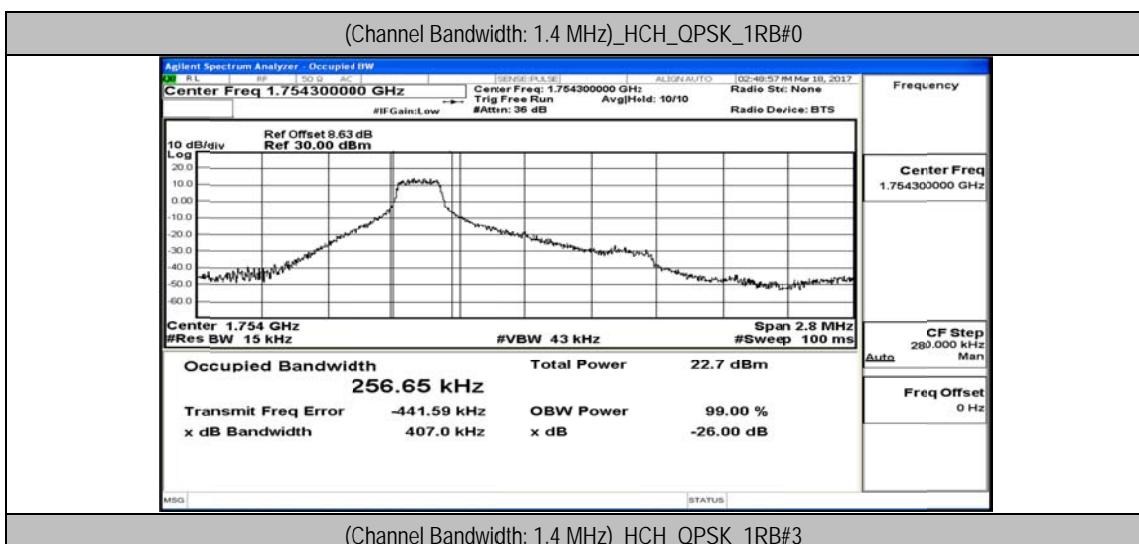
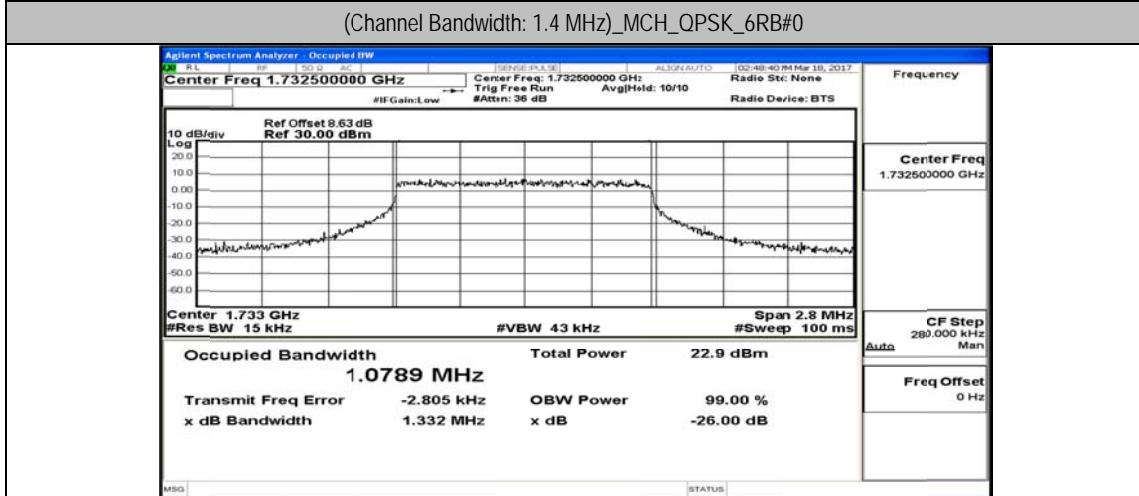
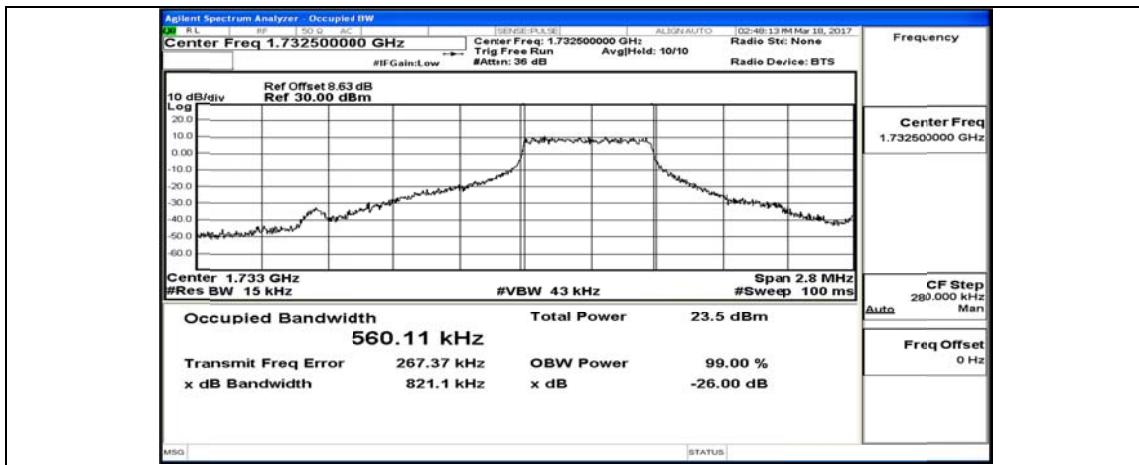


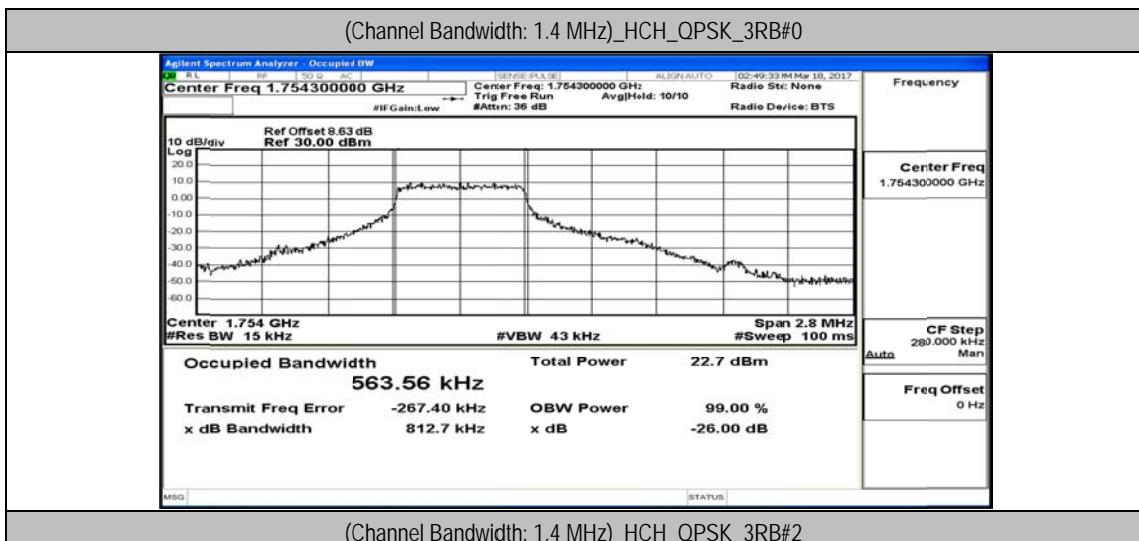
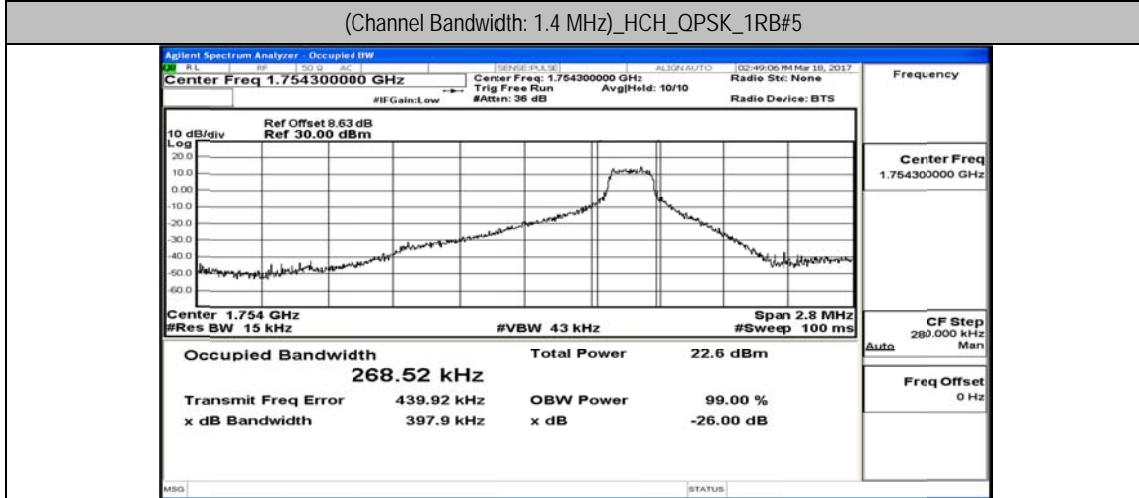
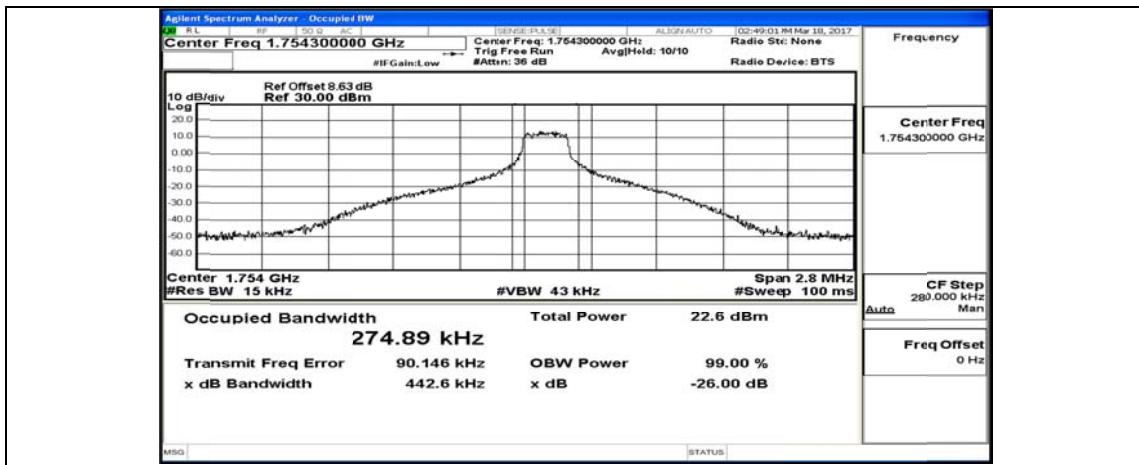


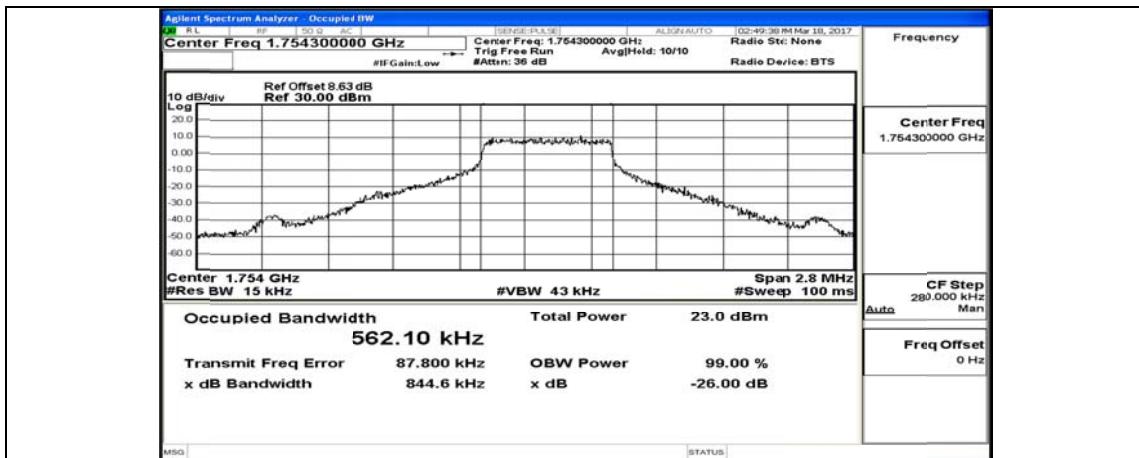
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



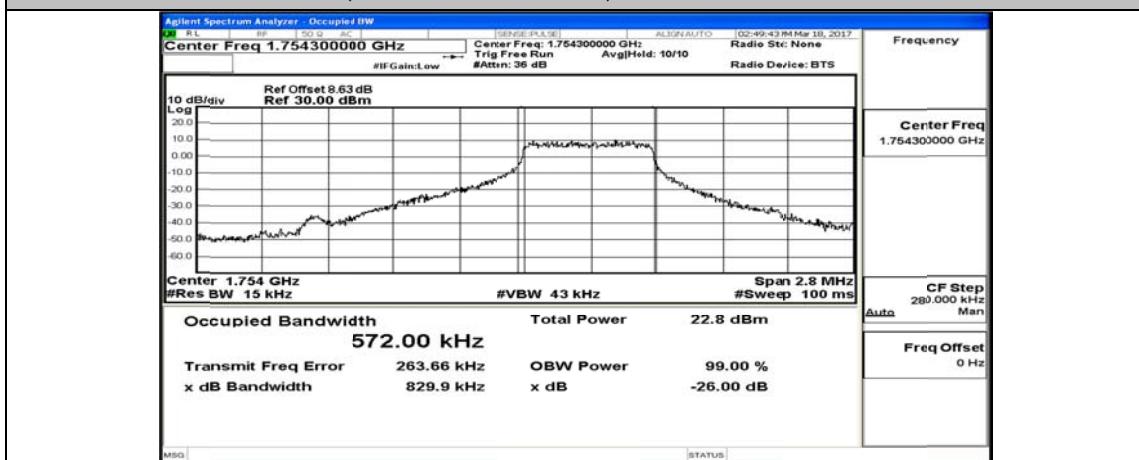
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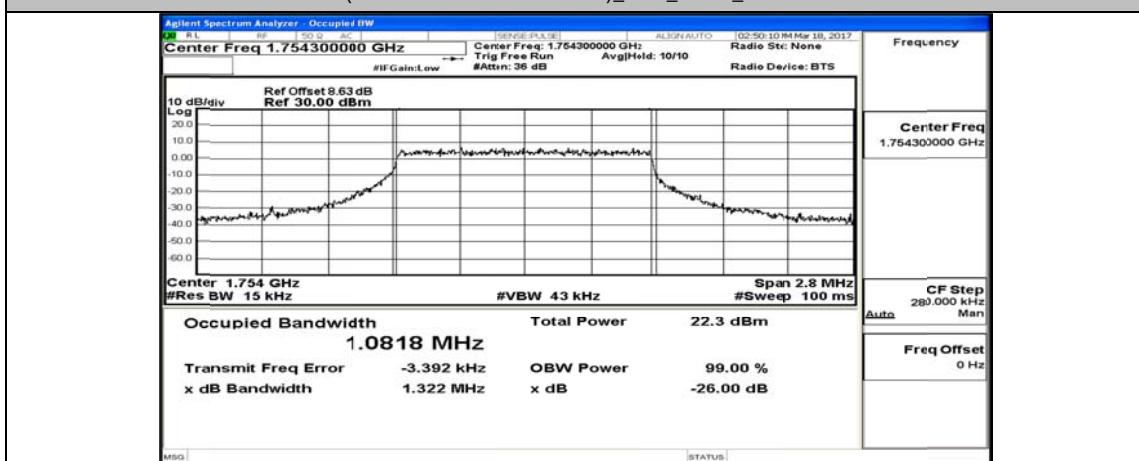




(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



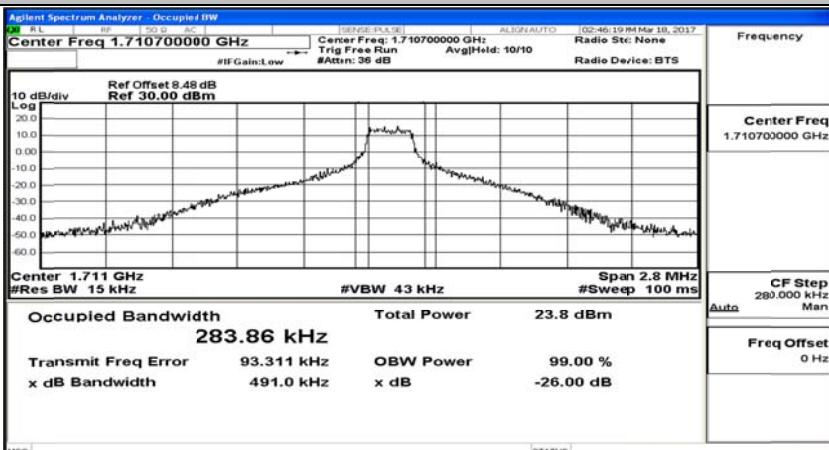
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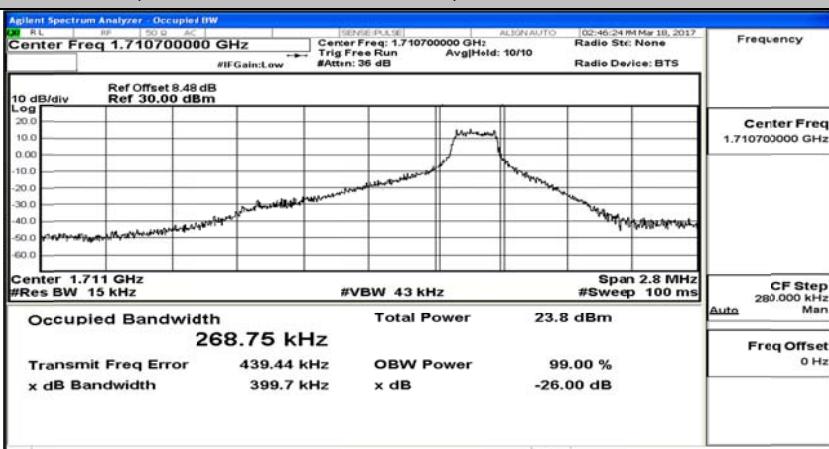
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



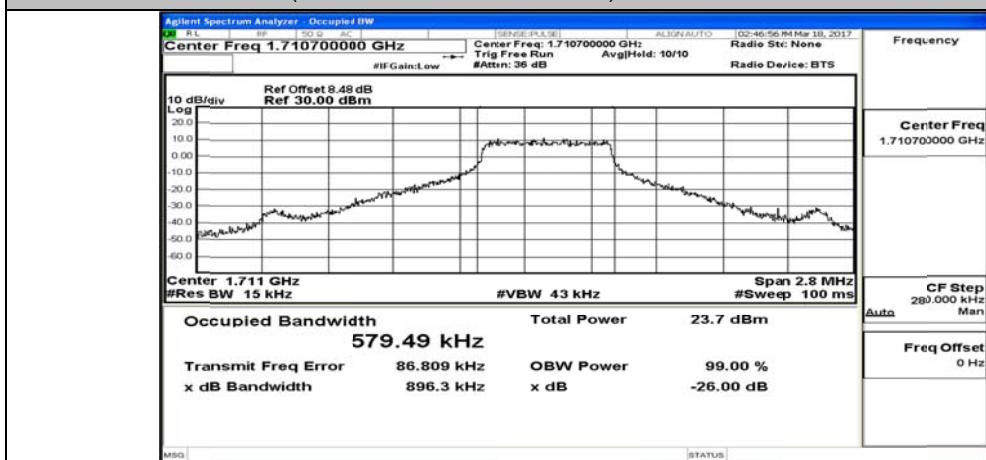
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(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



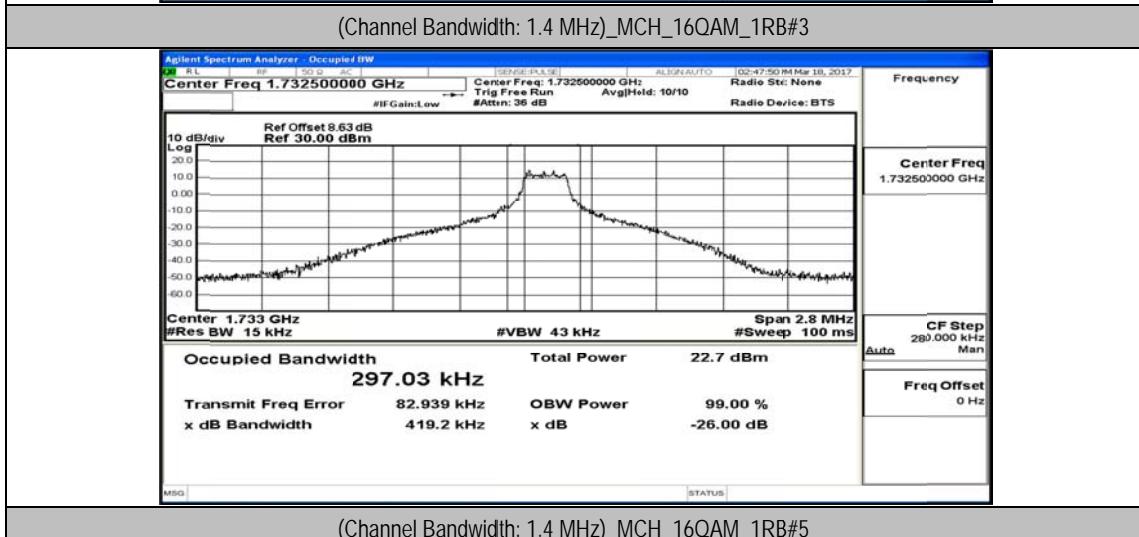
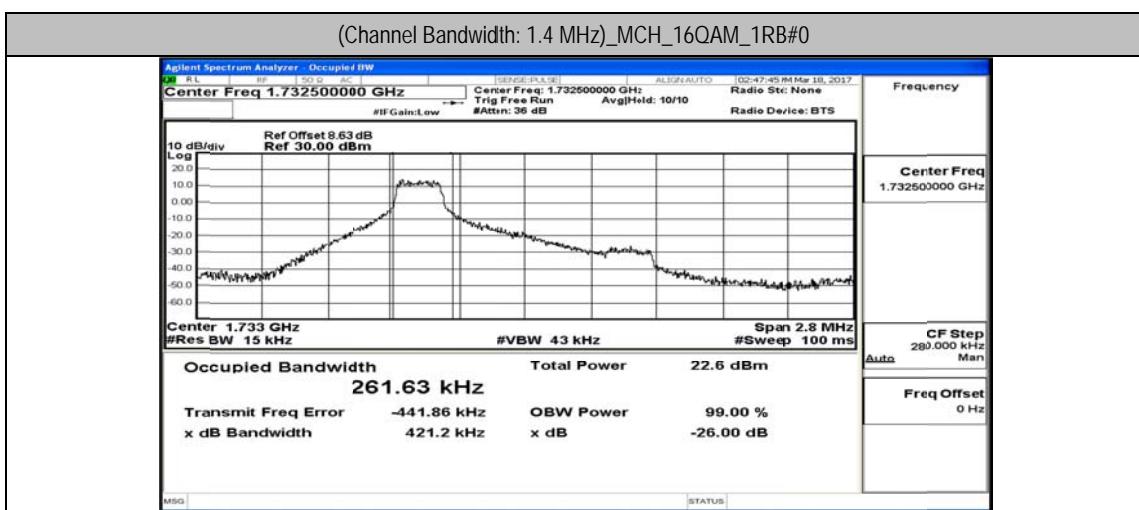
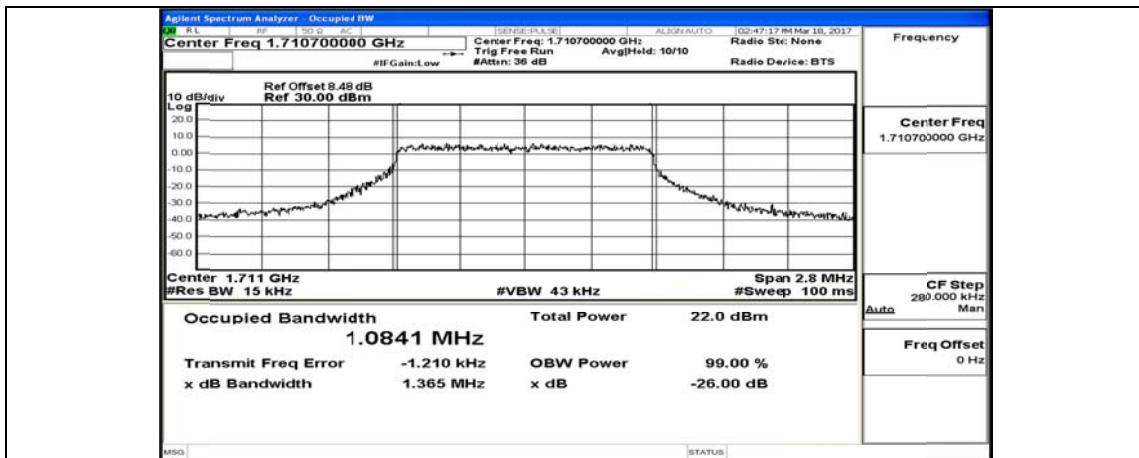
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



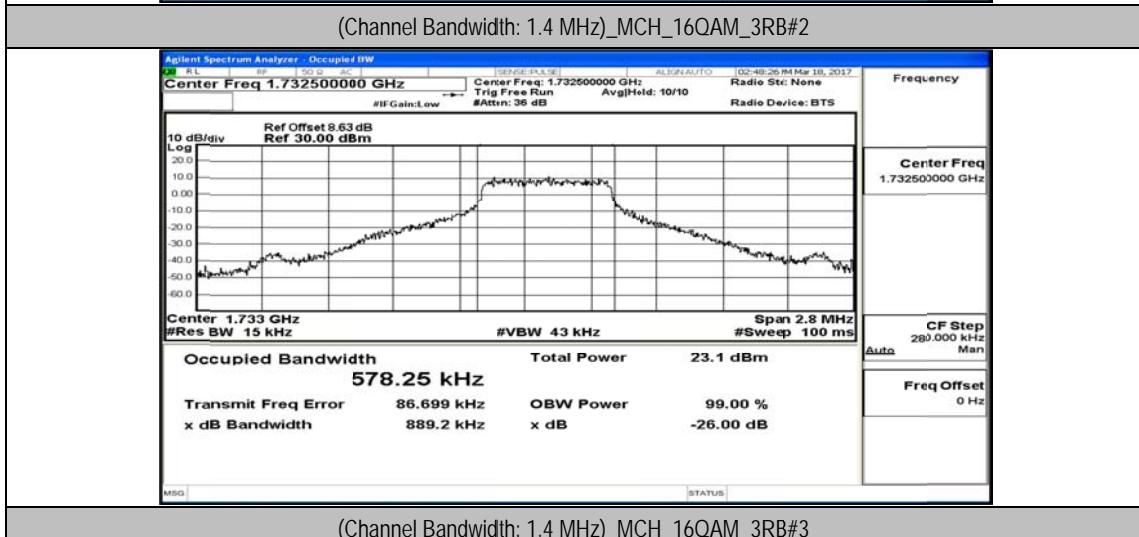
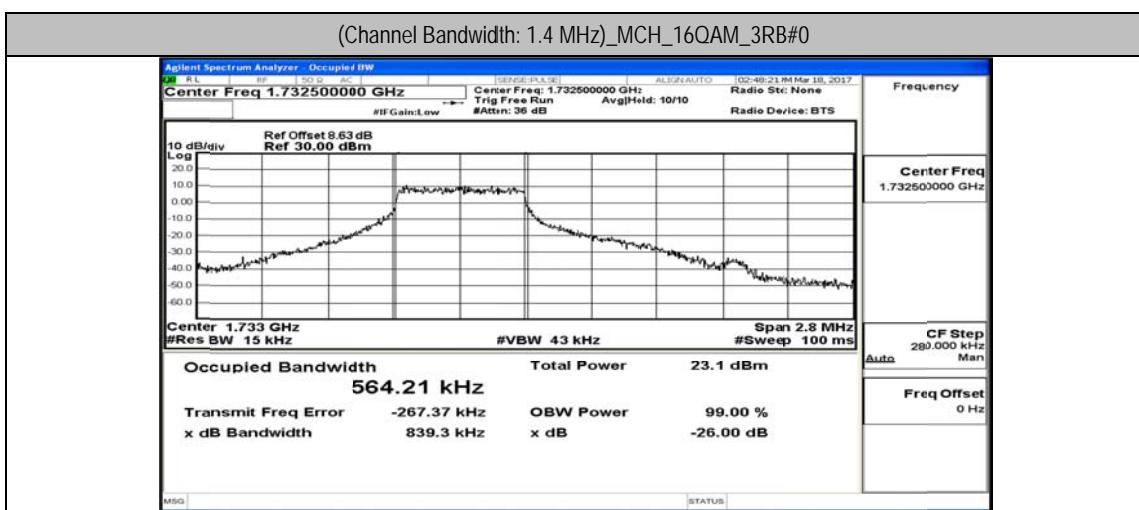
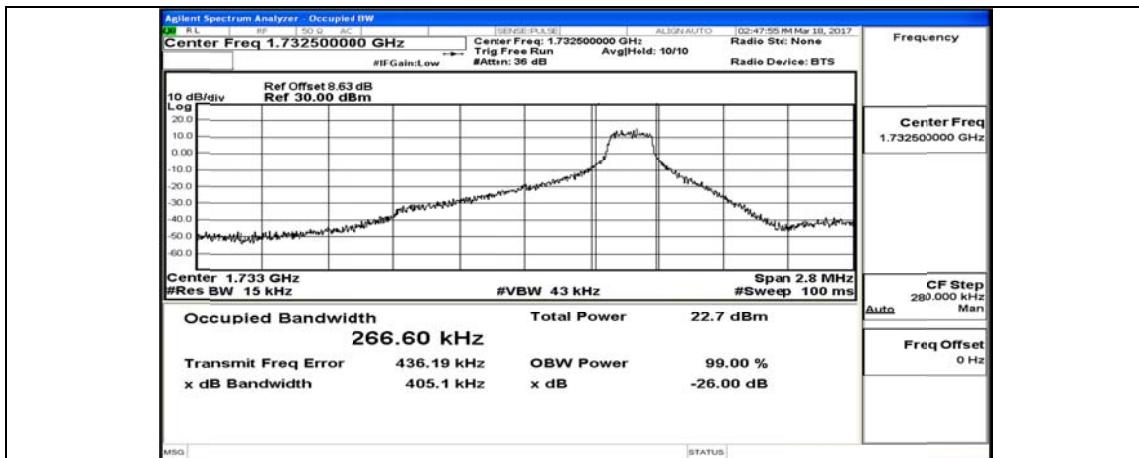
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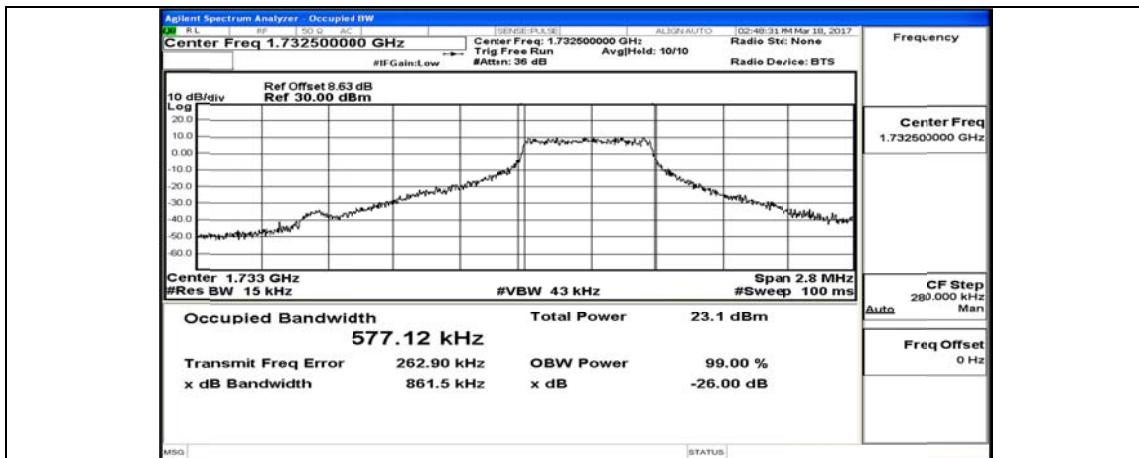
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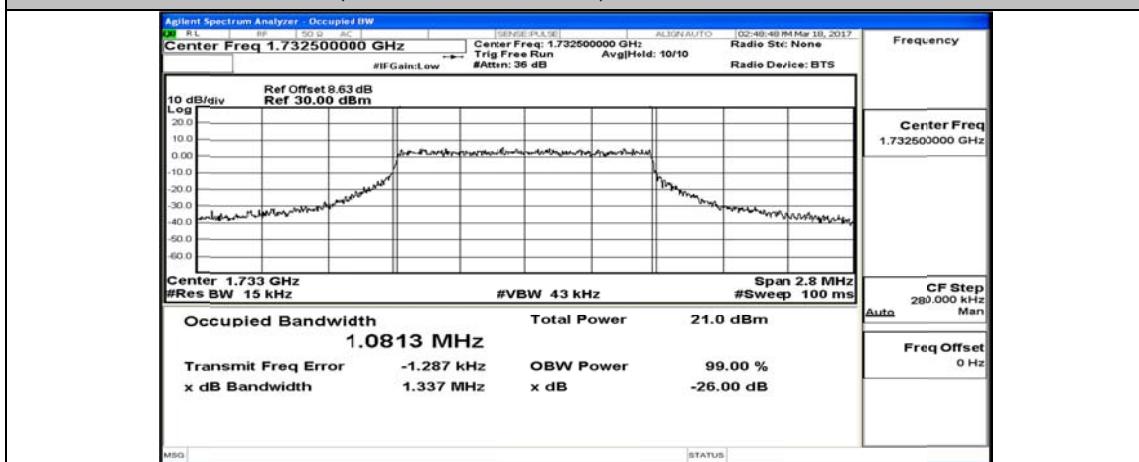
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



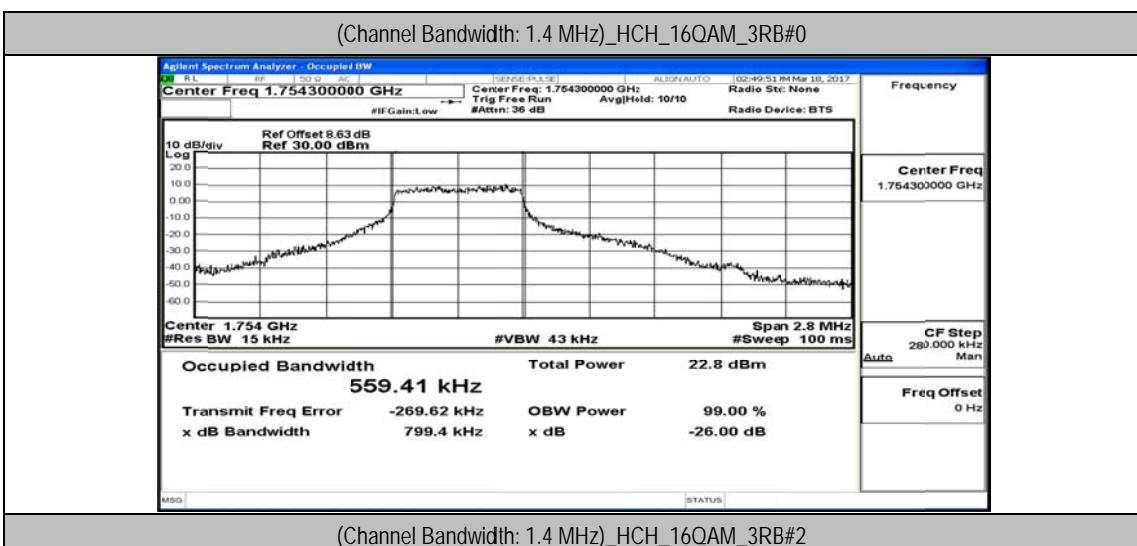
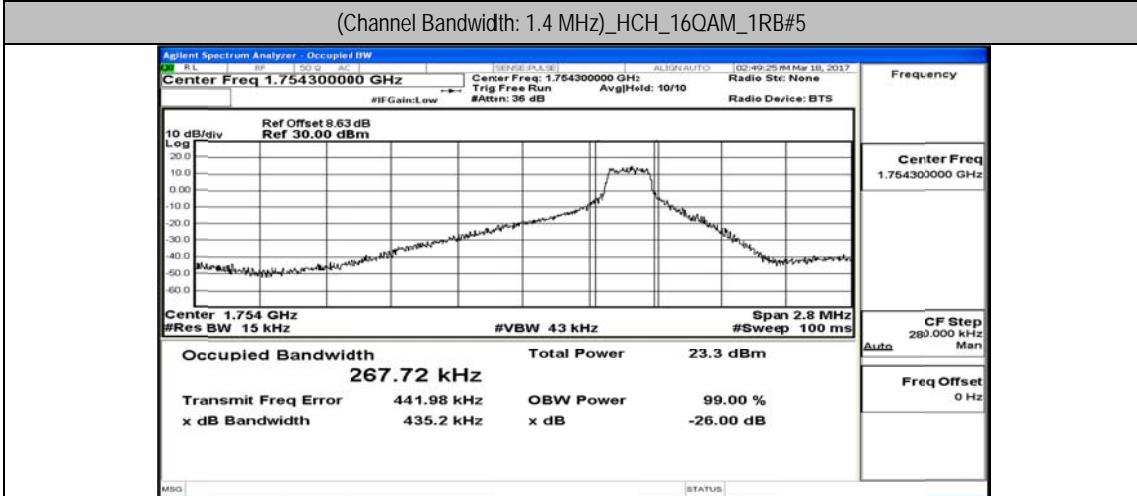
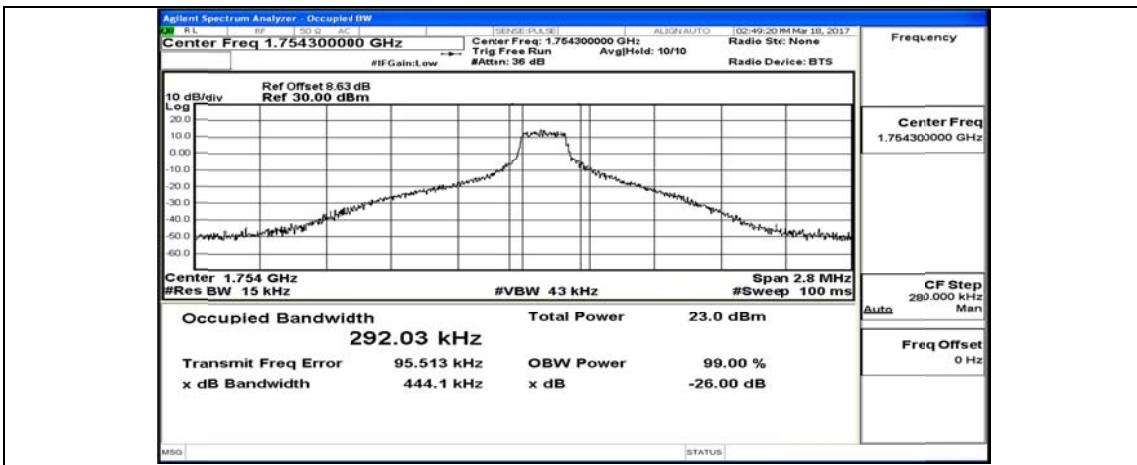
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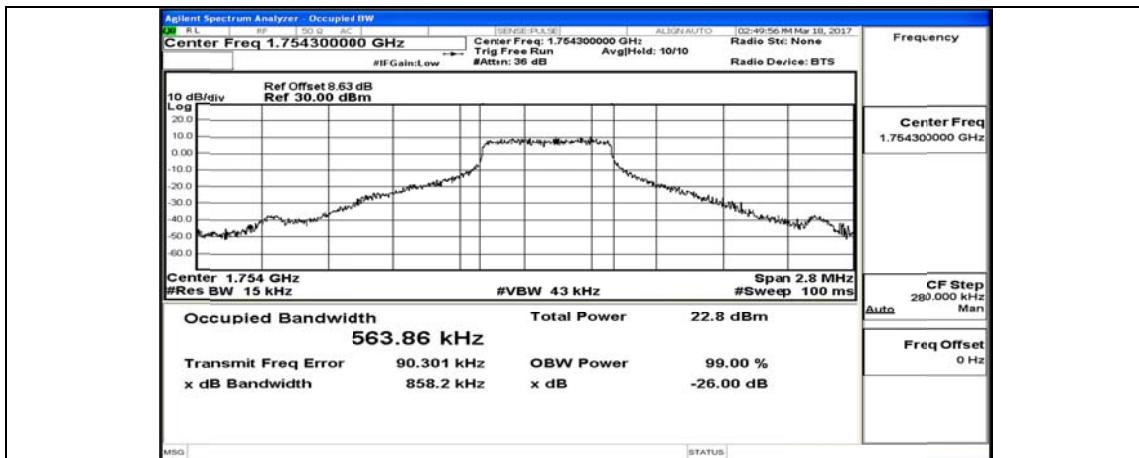


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

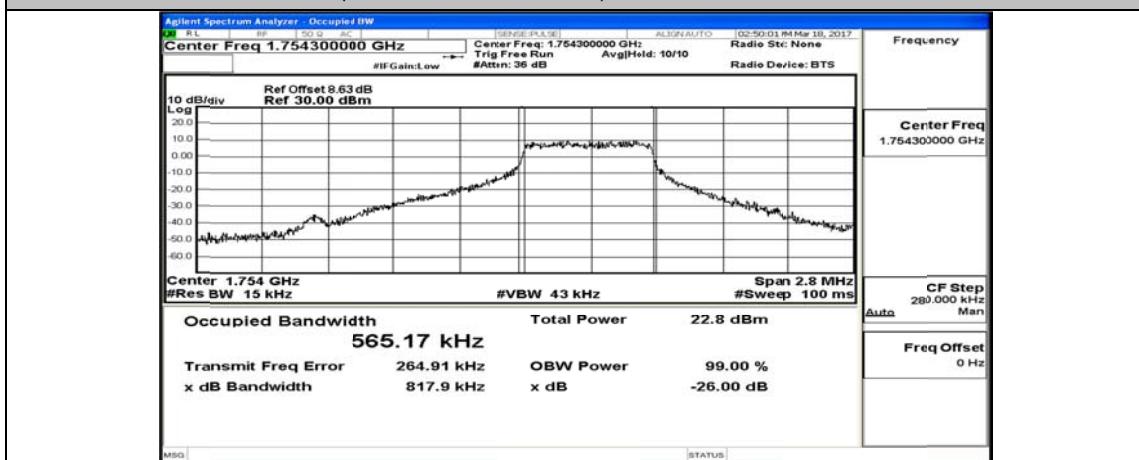


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3





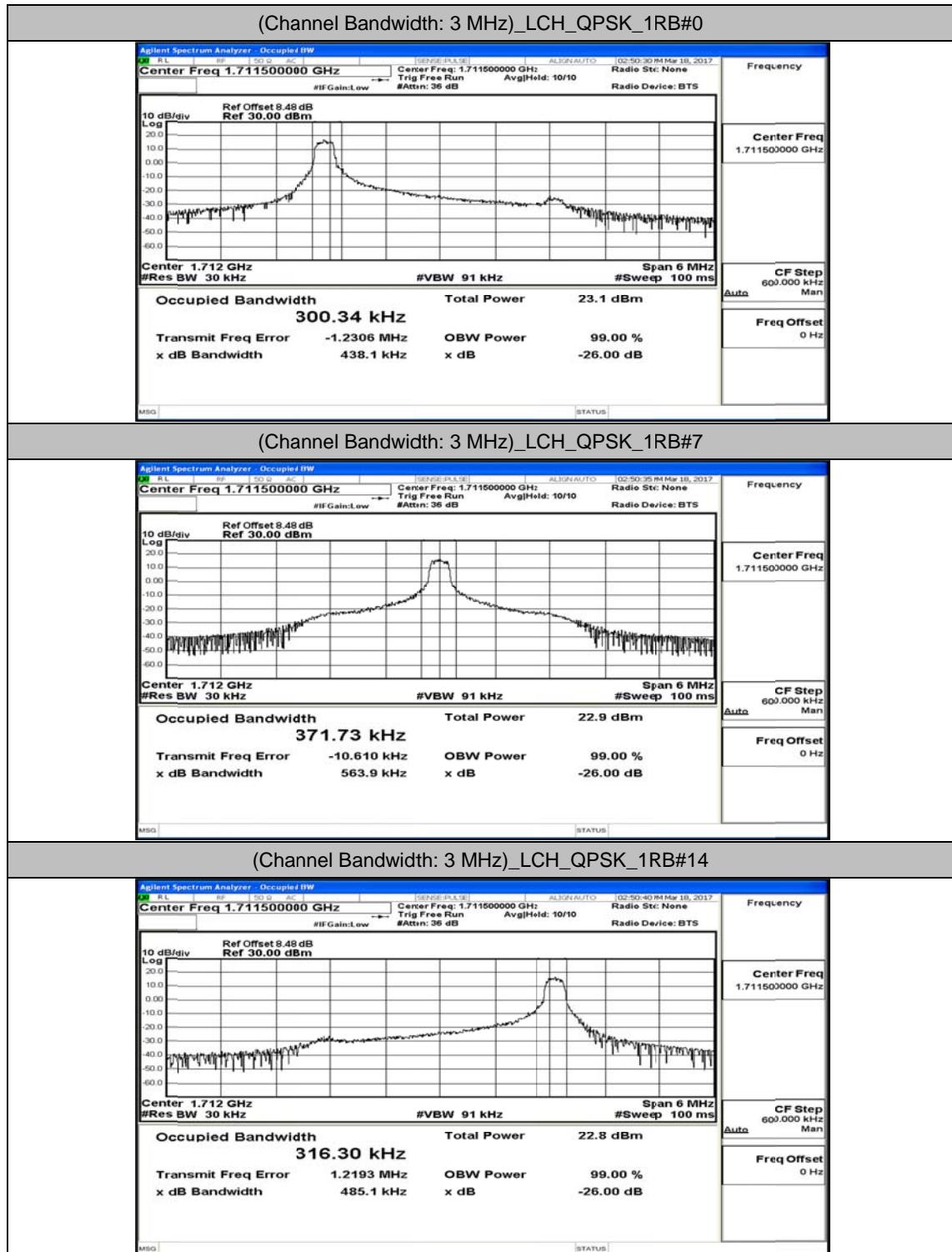
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3



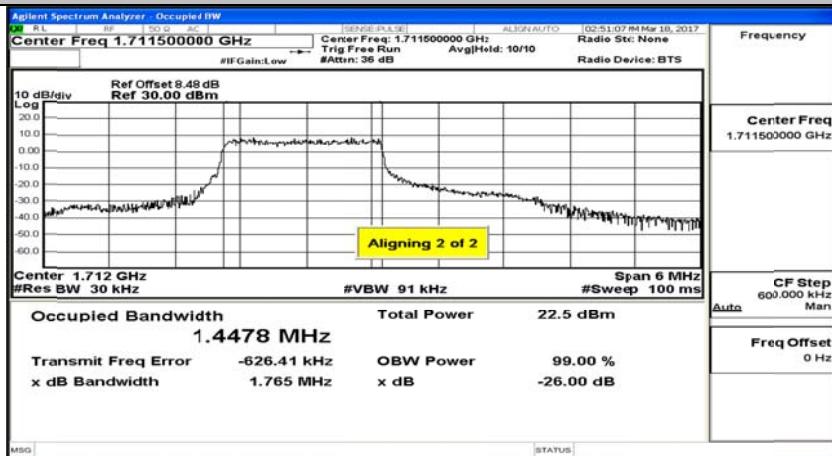
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



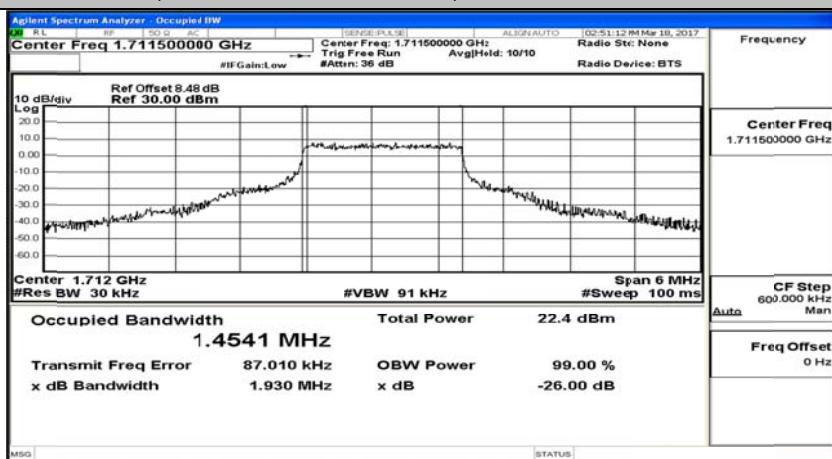
Channel Bandwidth: 3 MHz



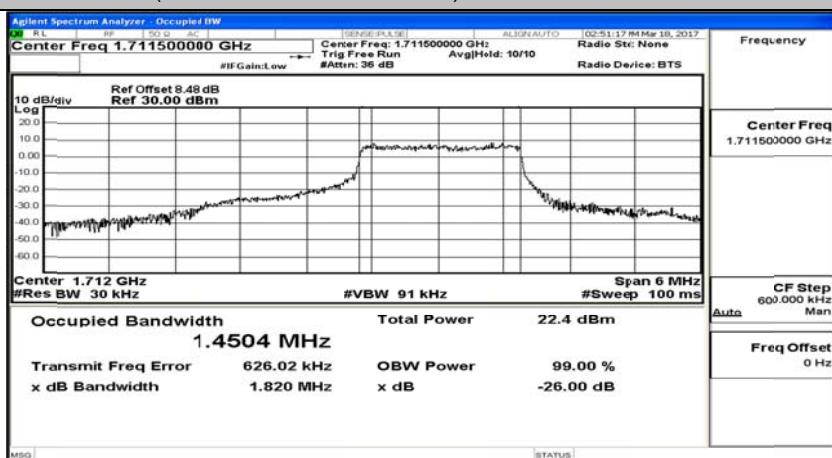
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



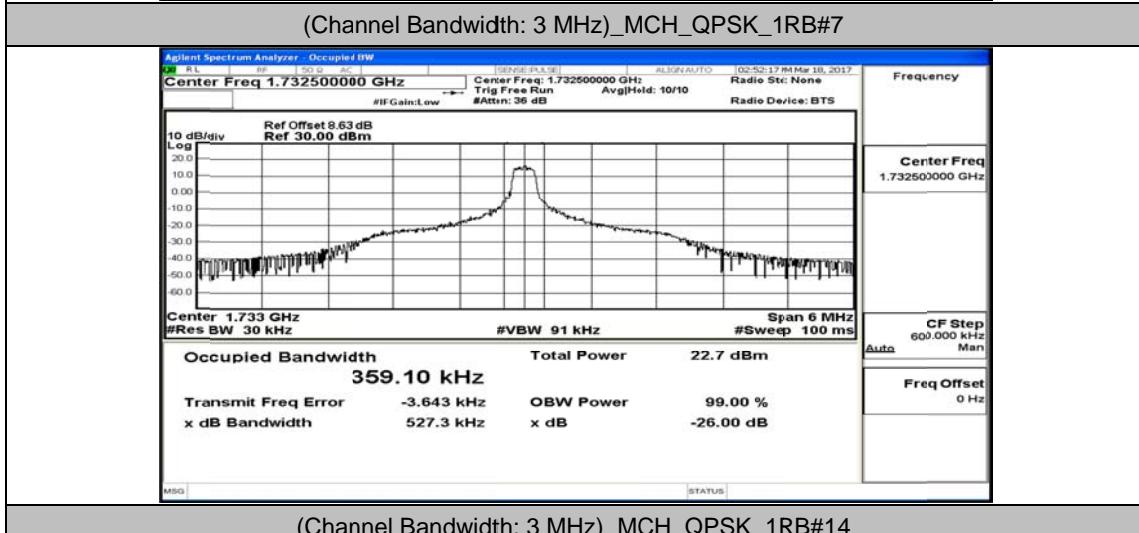
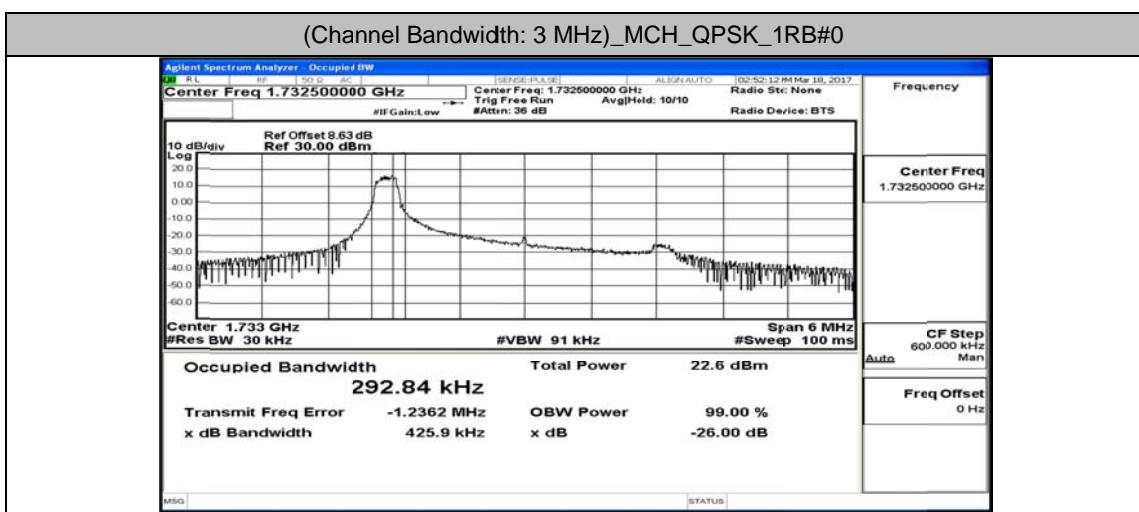
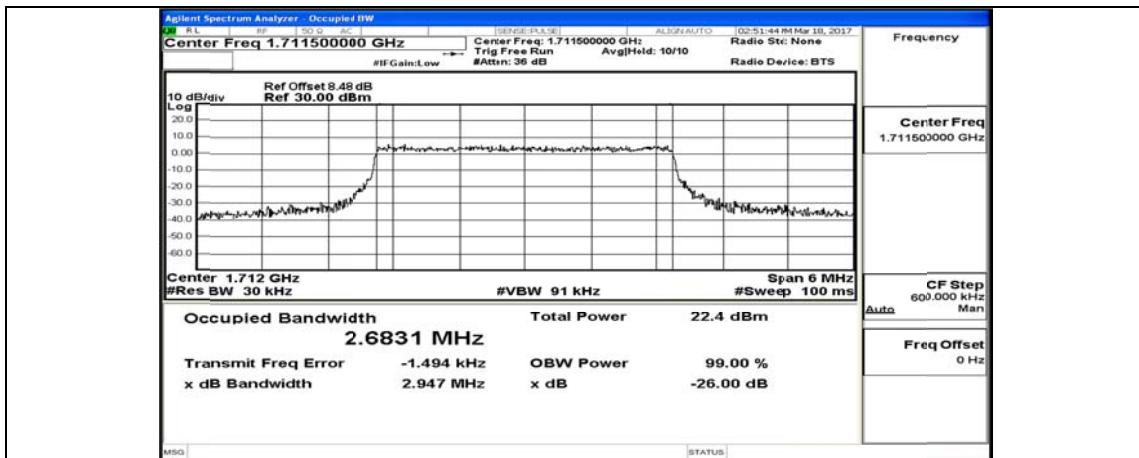
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



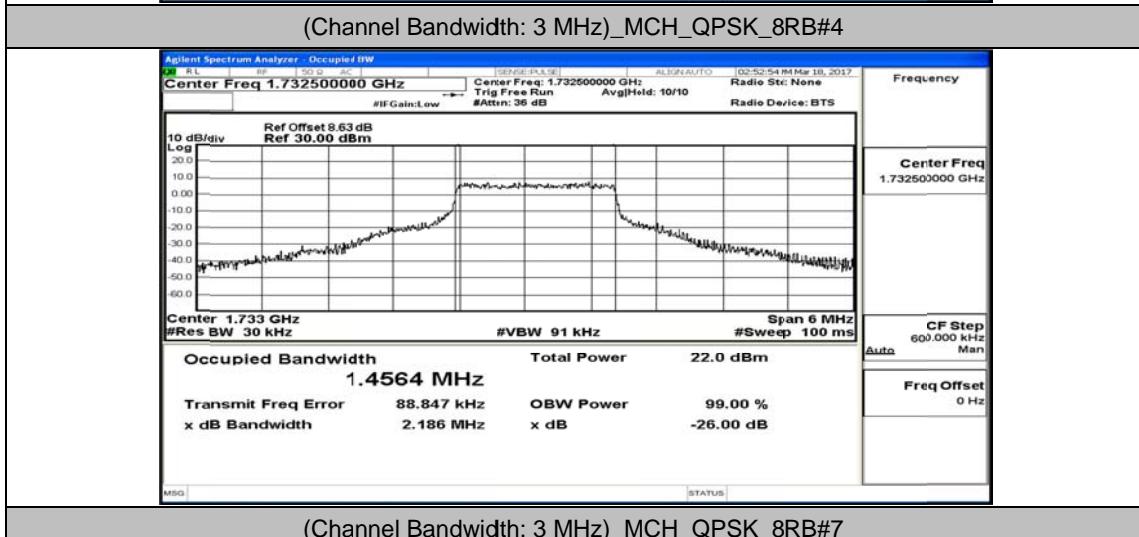
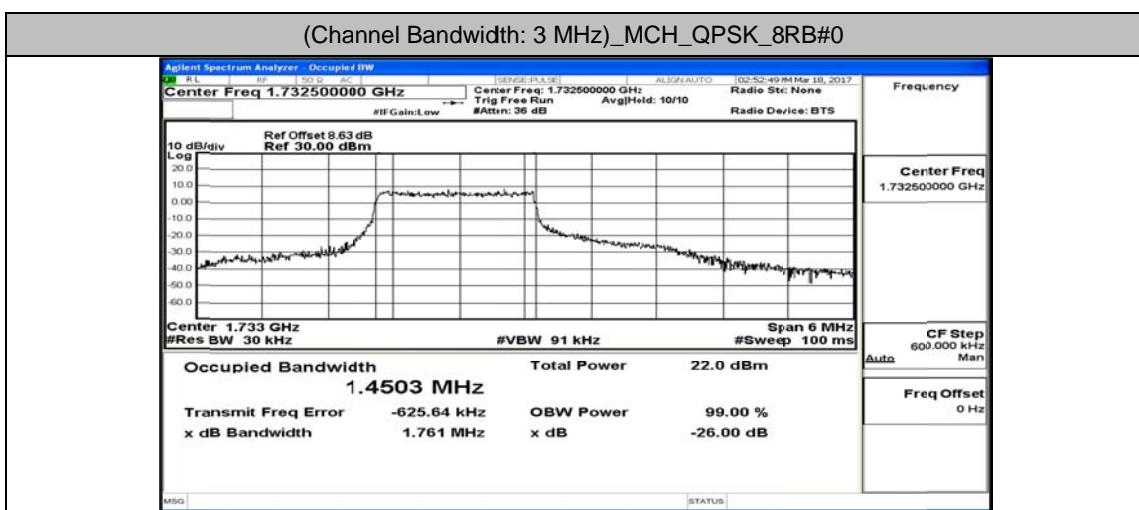
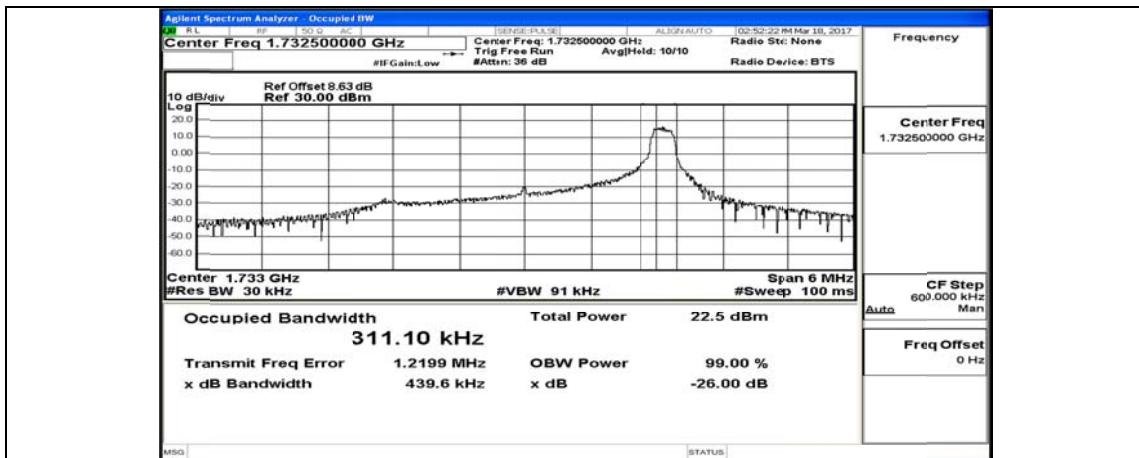
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



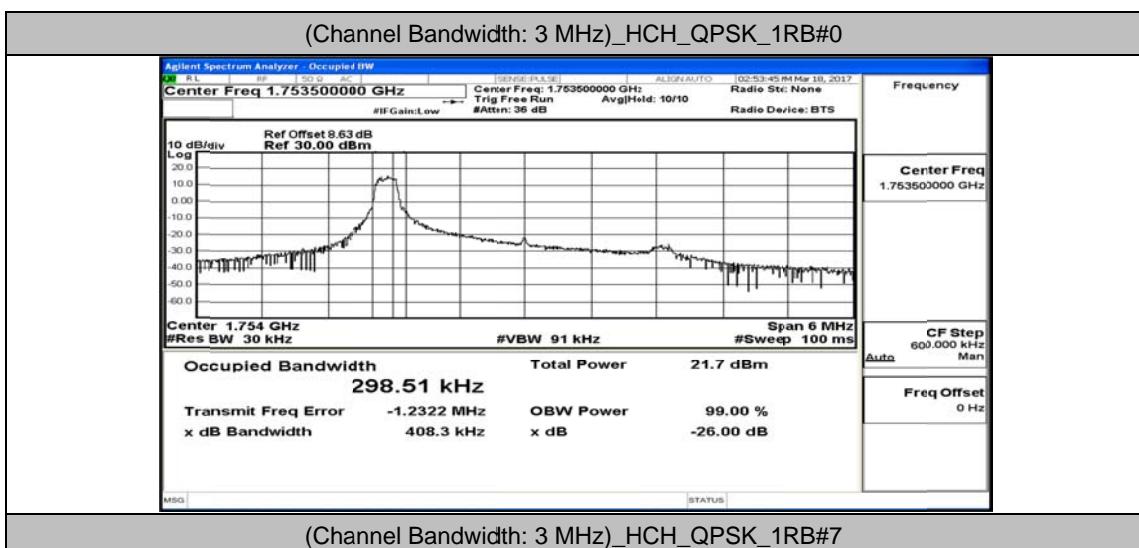
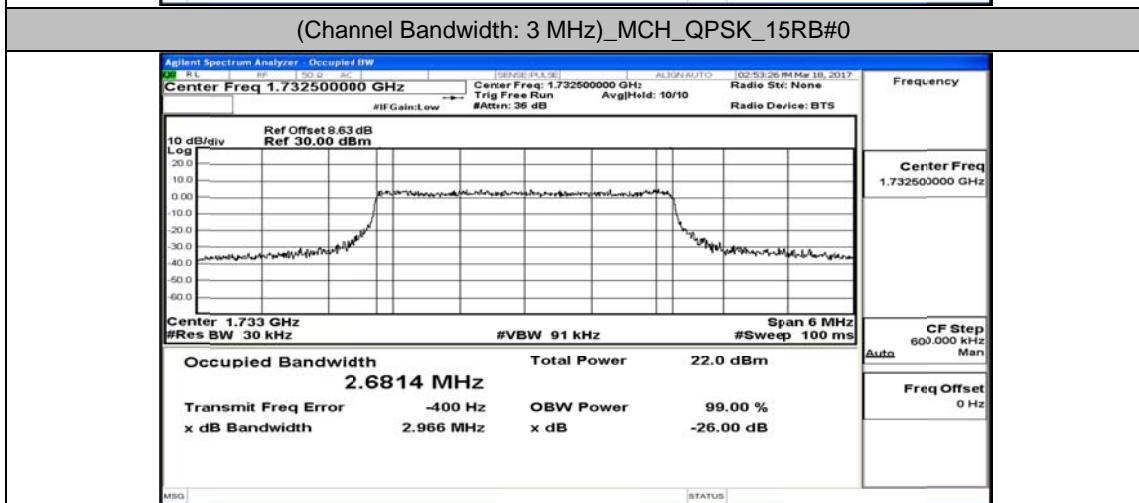
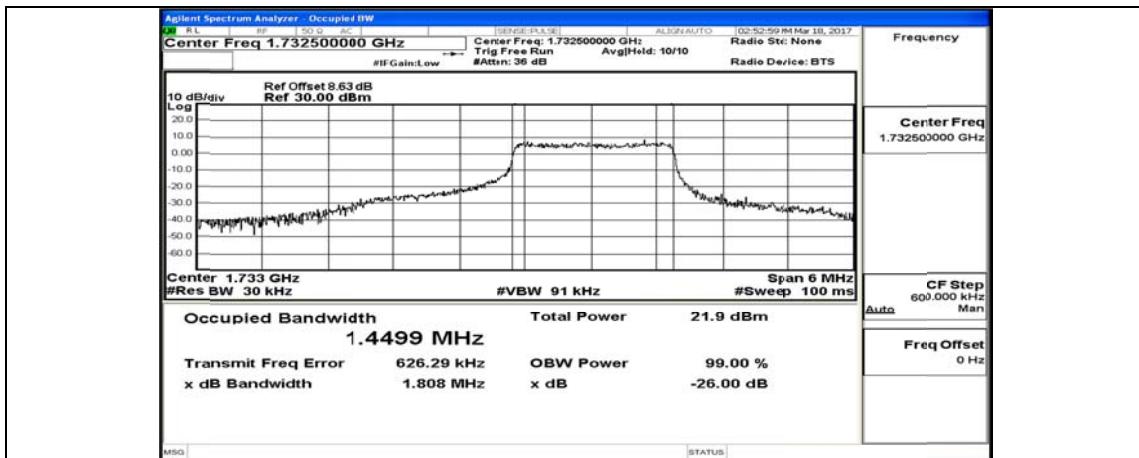
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

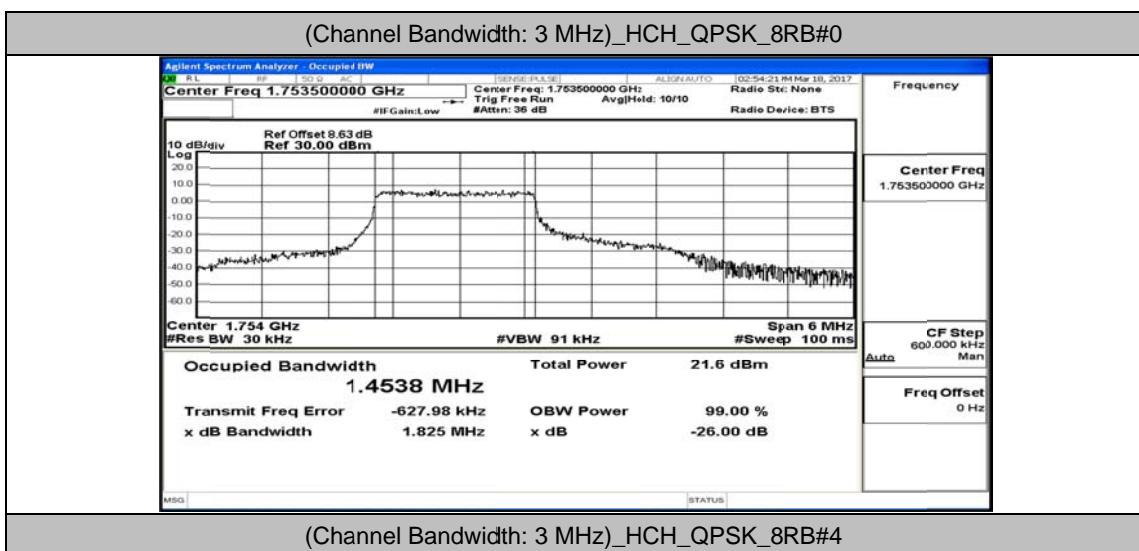
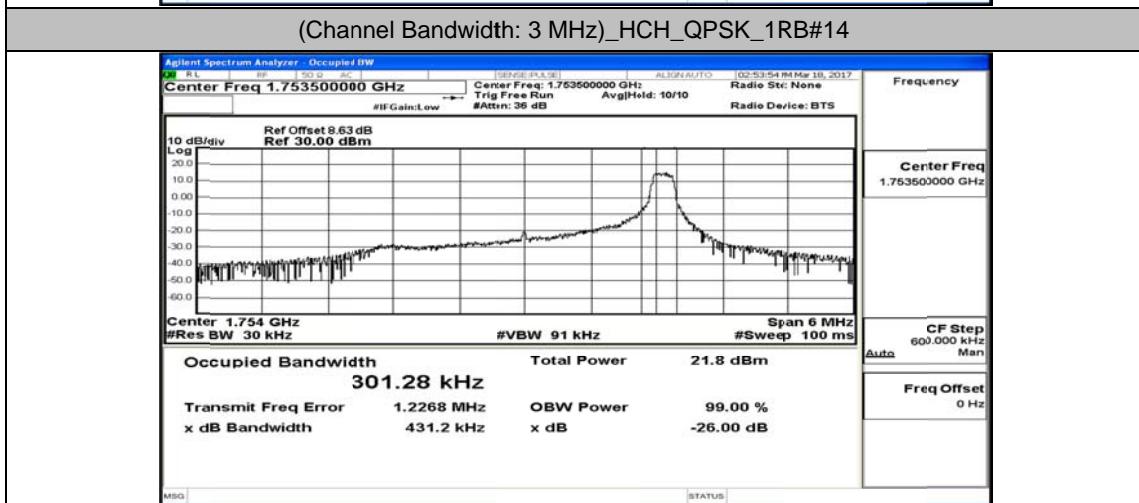
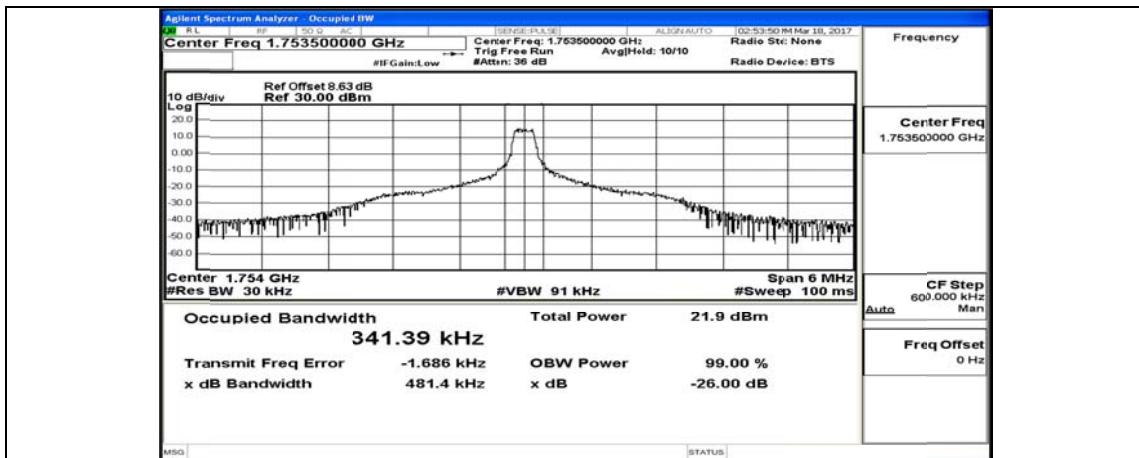


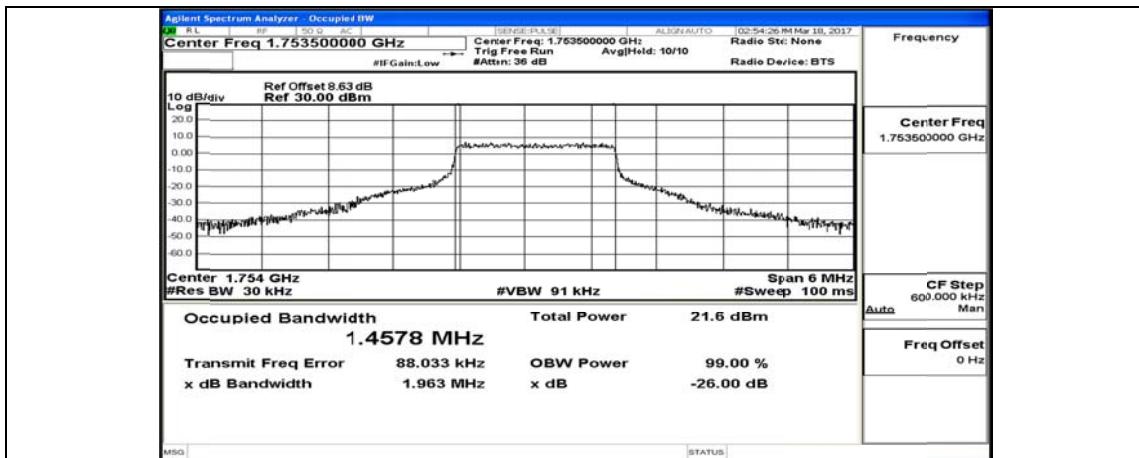
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



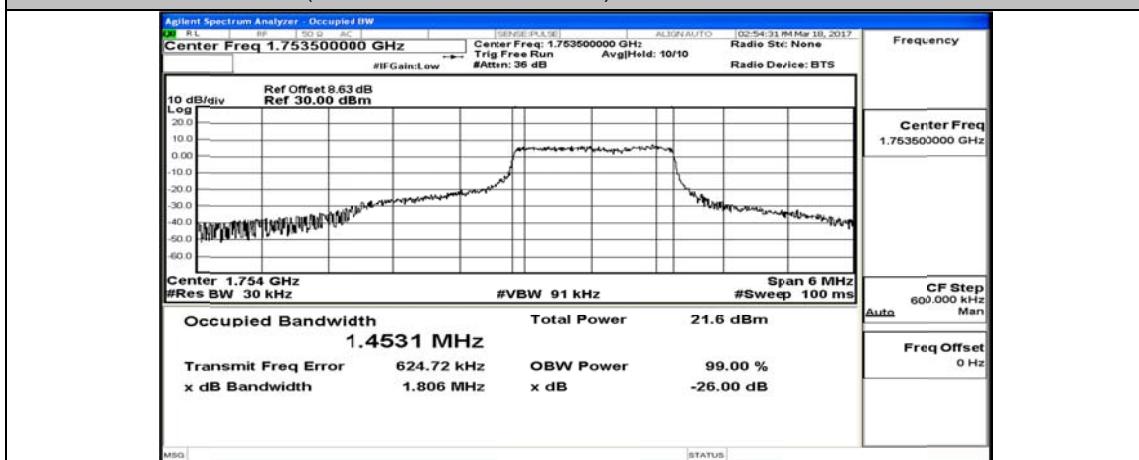
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



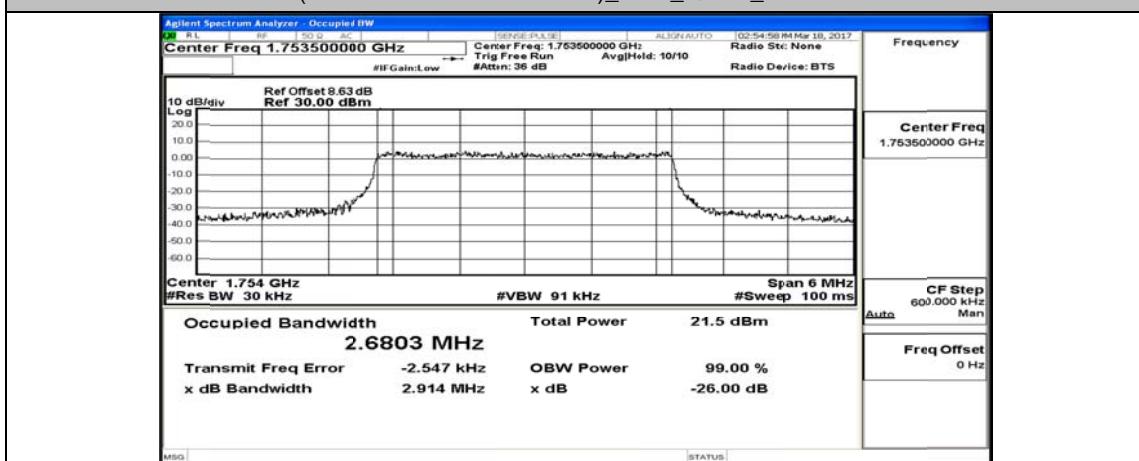




(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



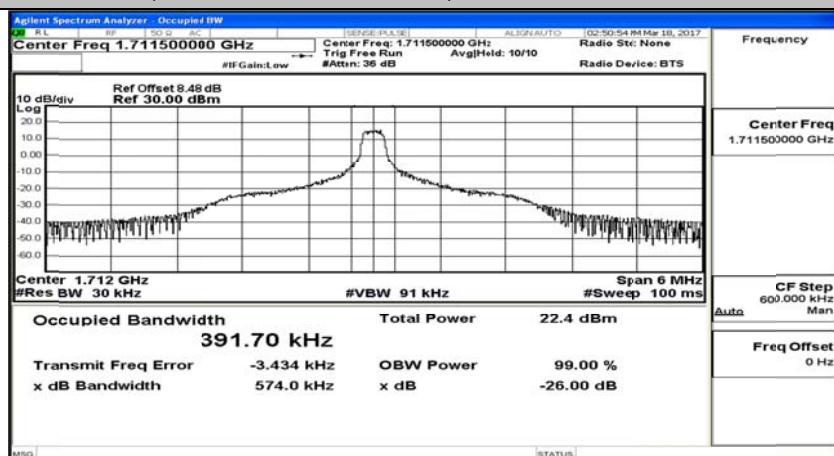
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



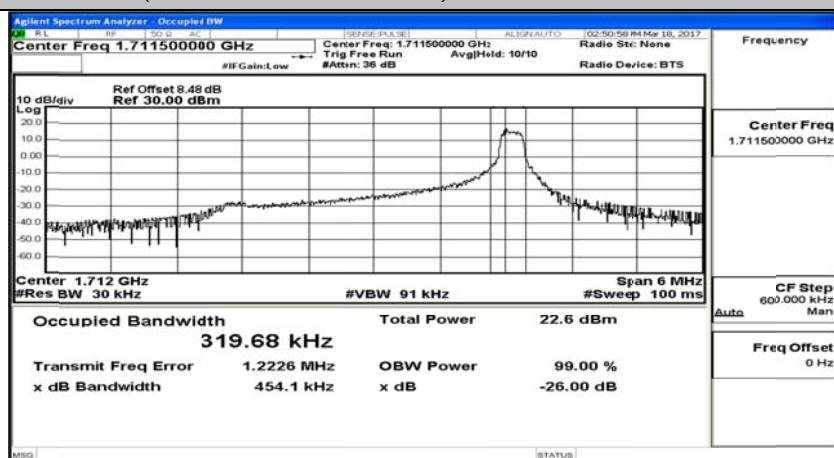
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



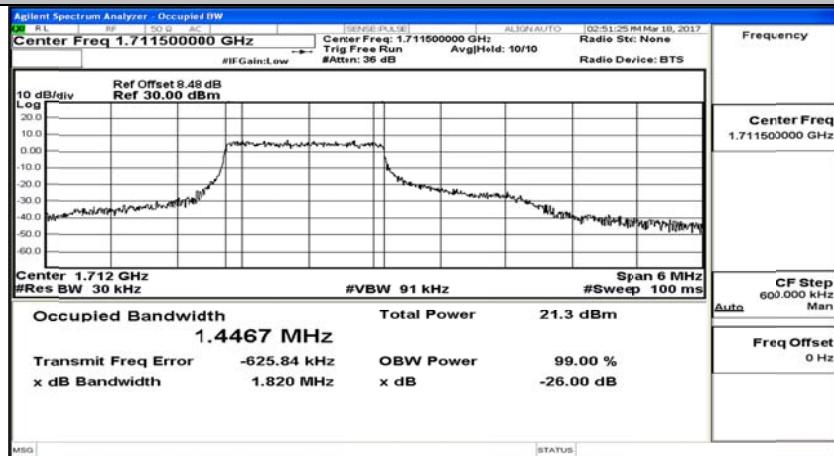
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



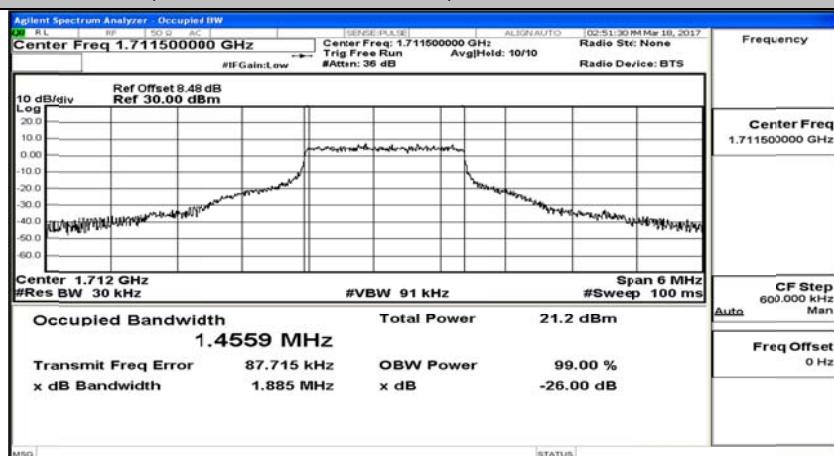
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



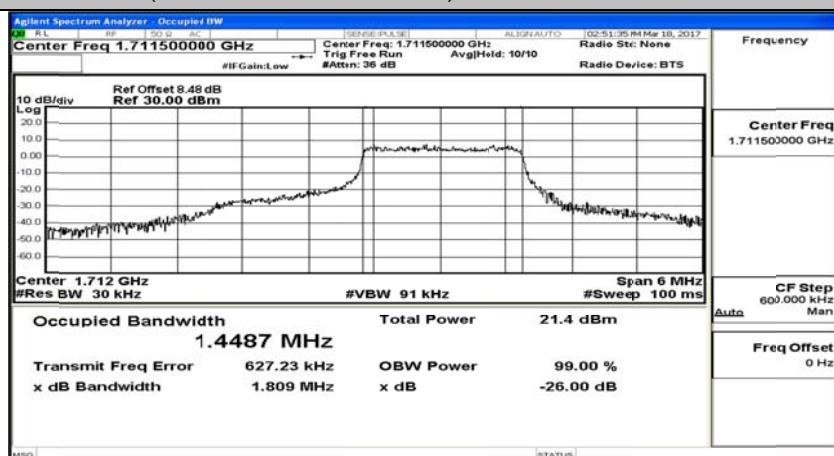
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



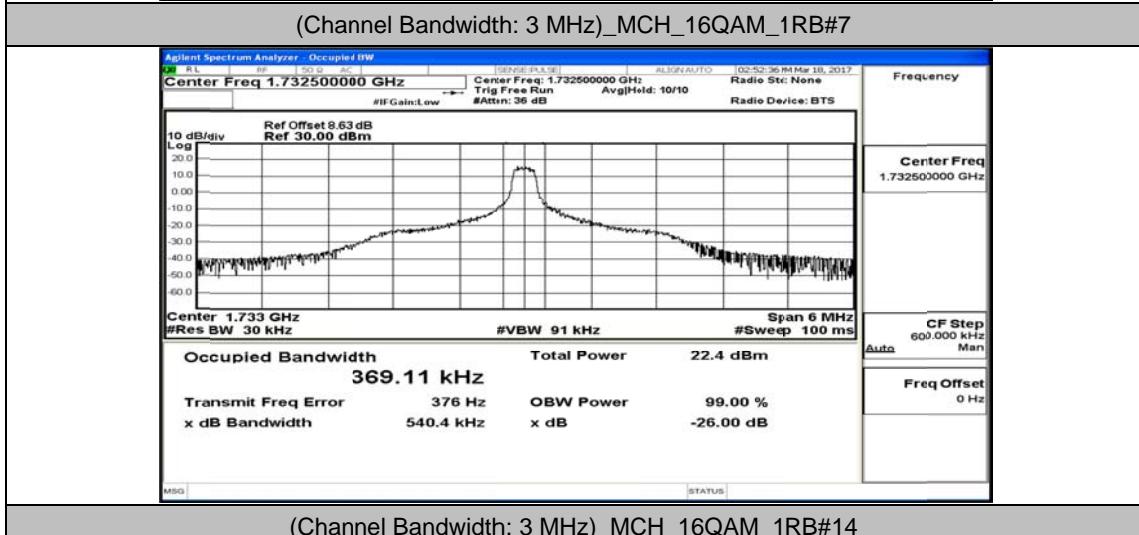
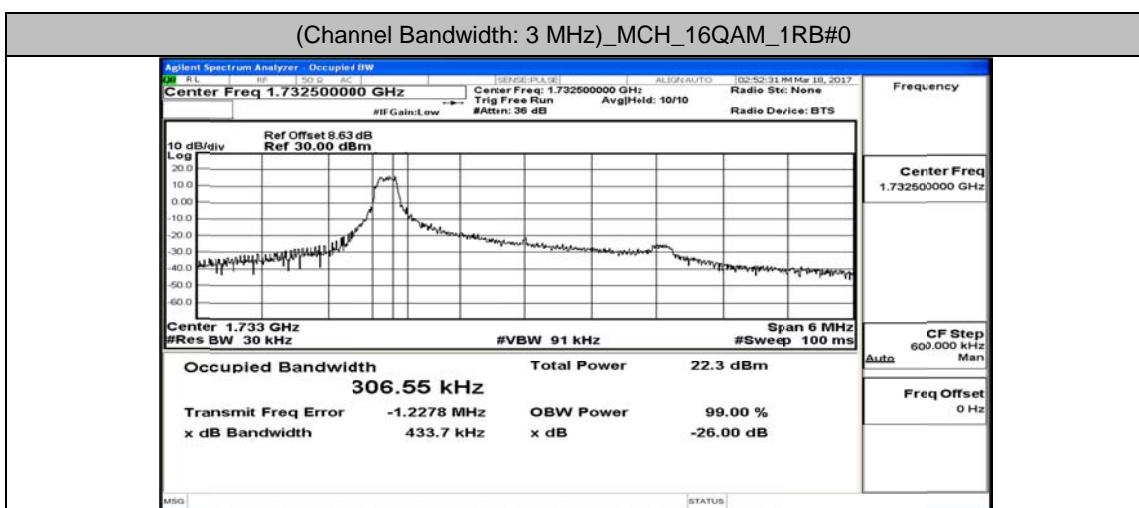
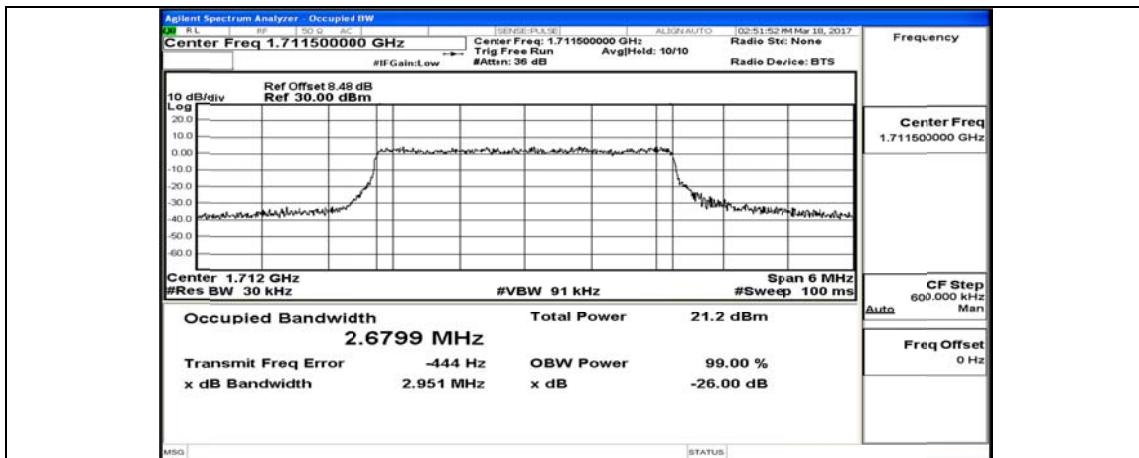
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



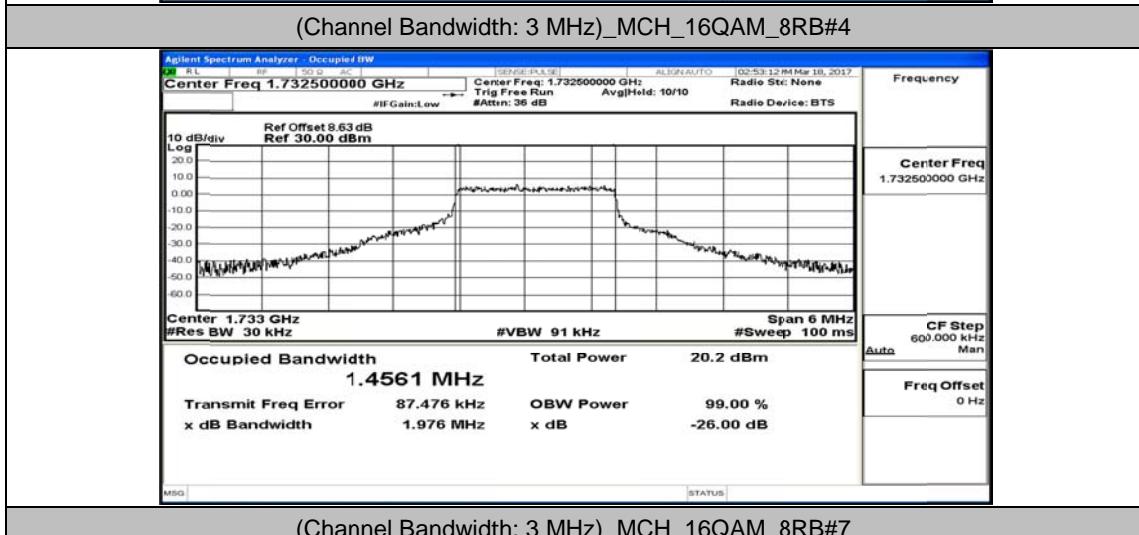
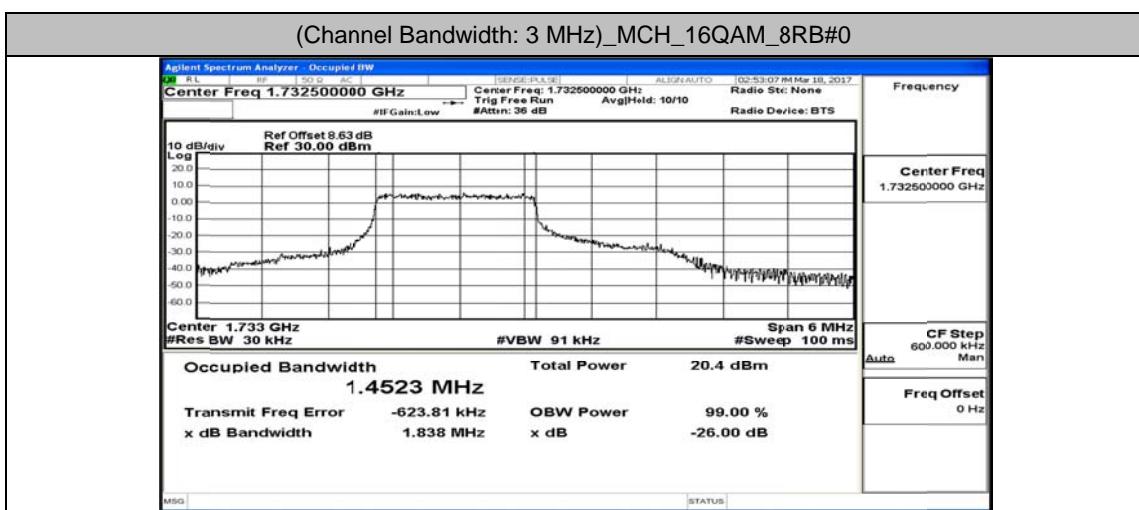
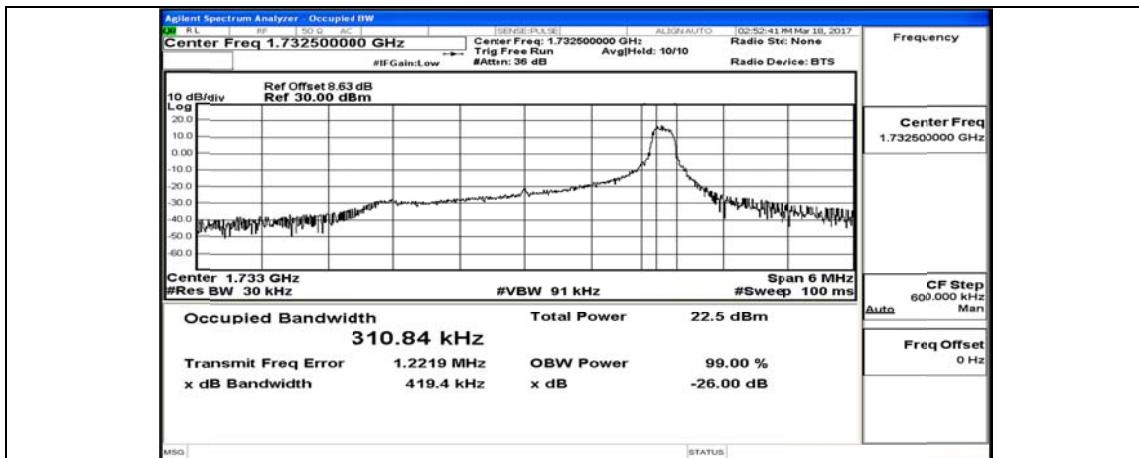
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



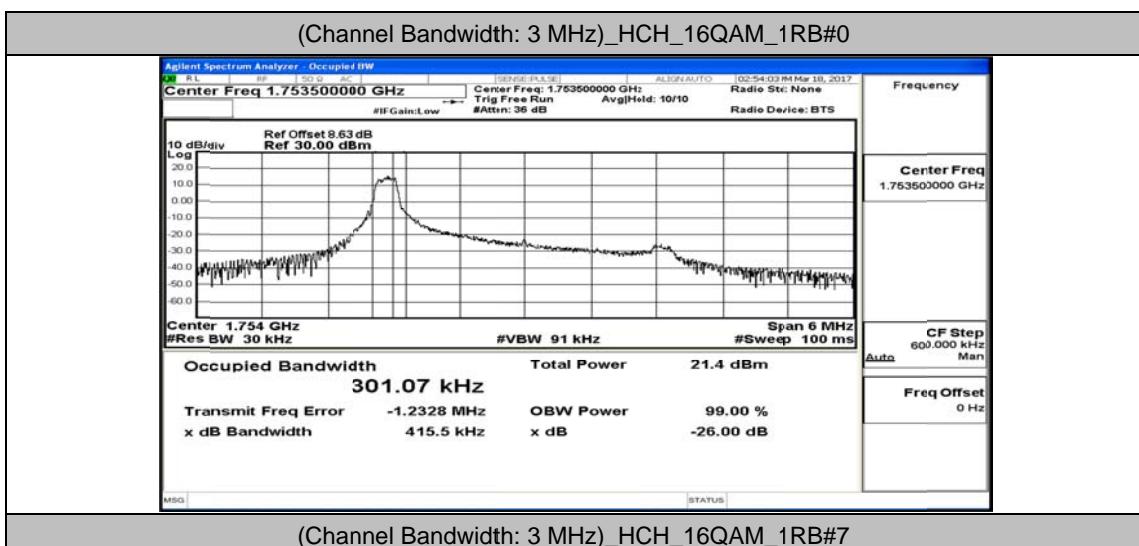
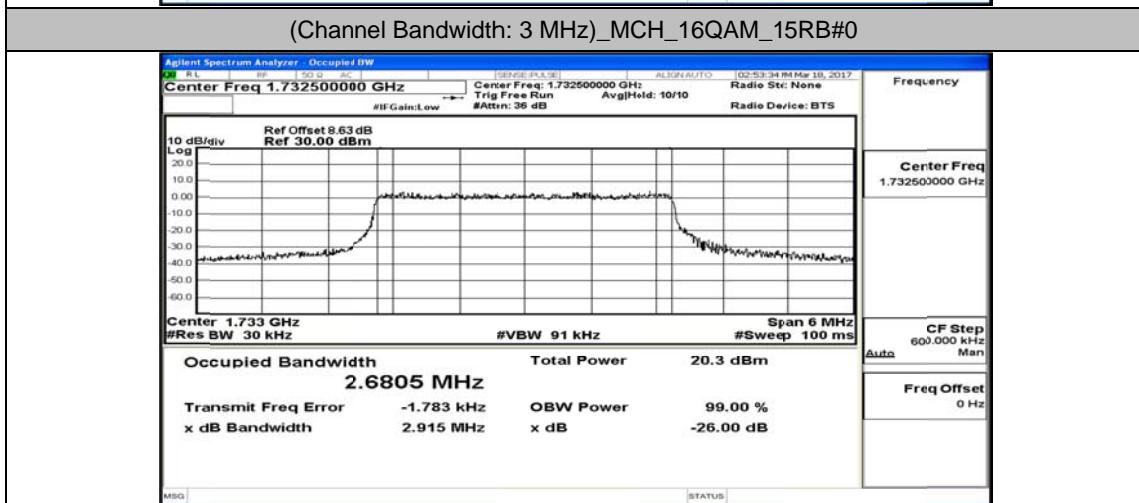
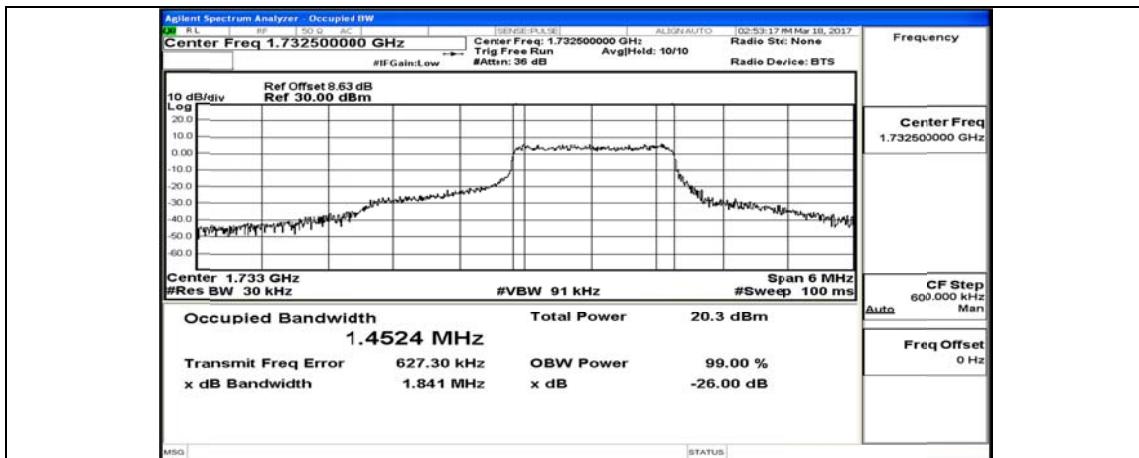
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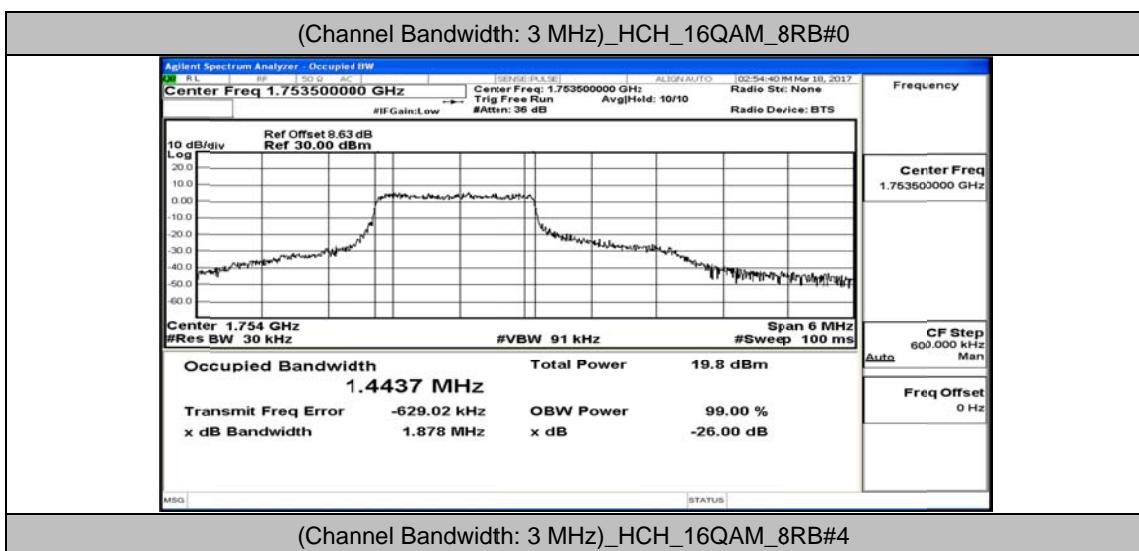
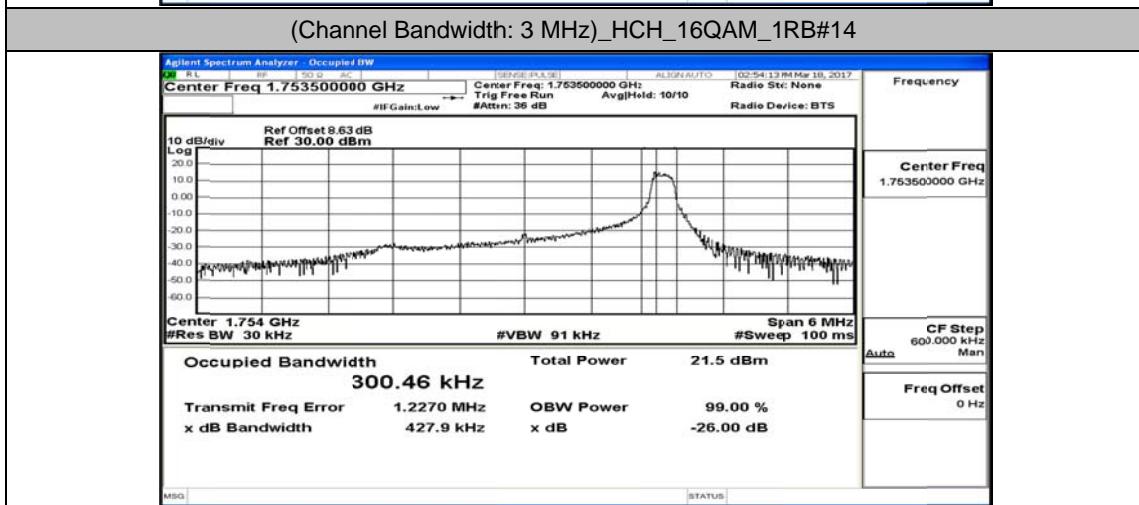
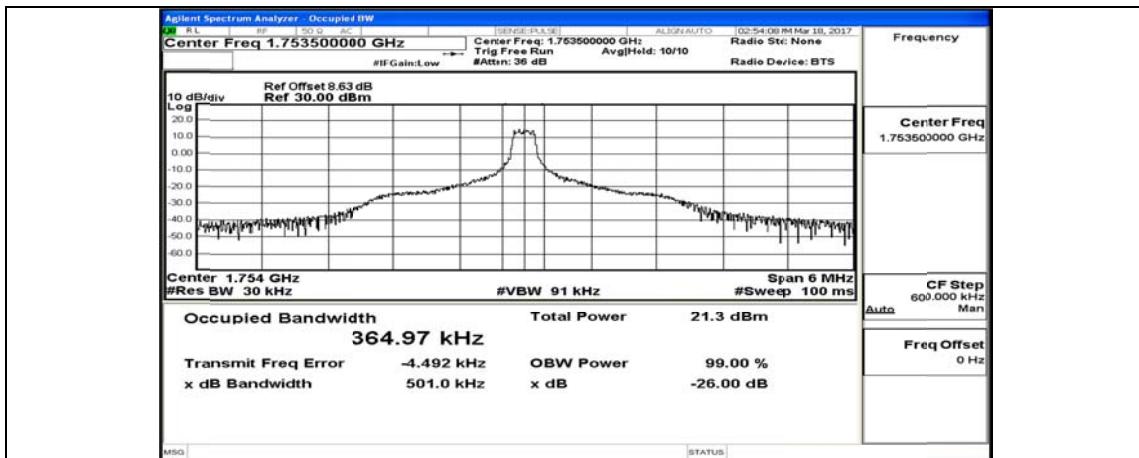


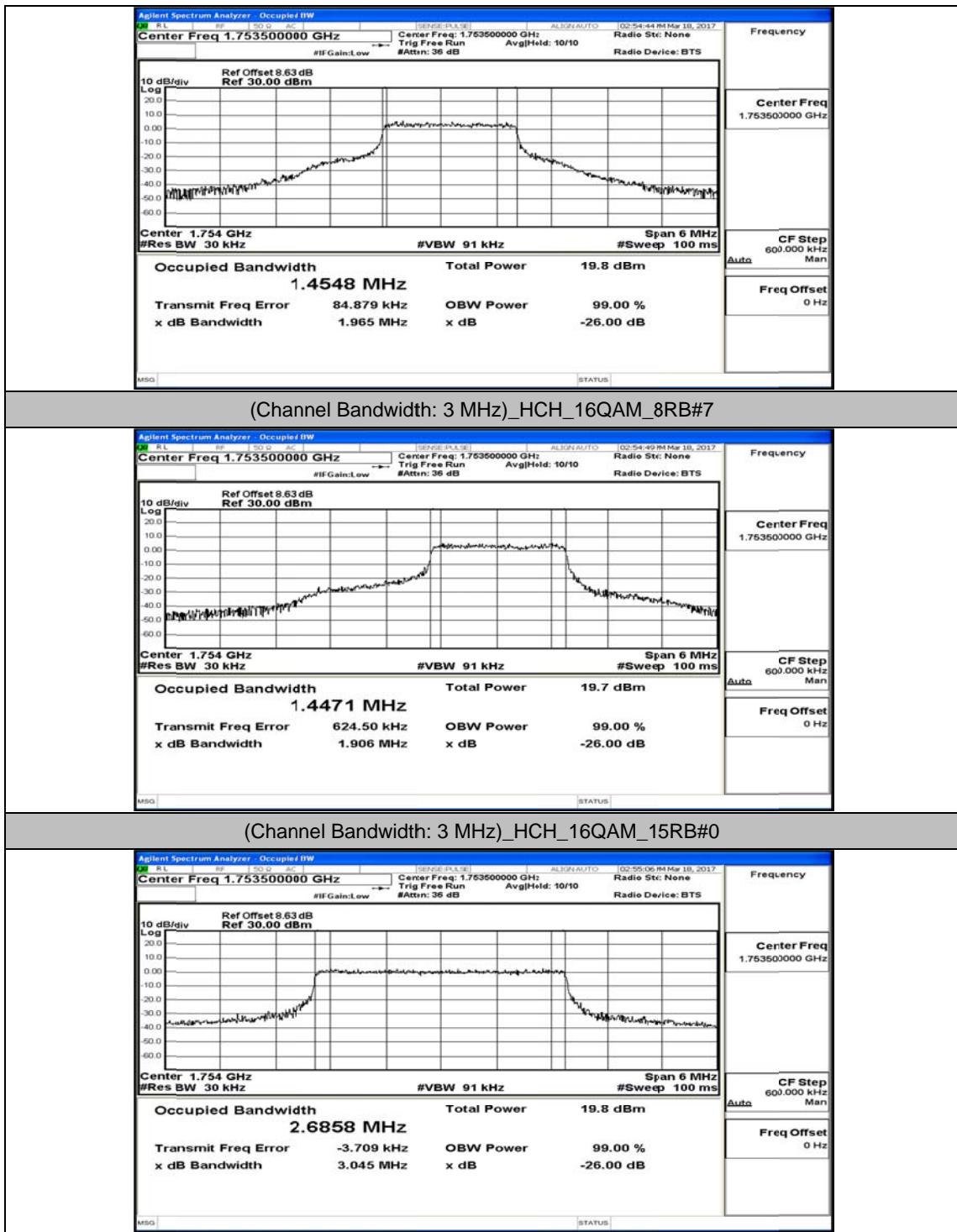
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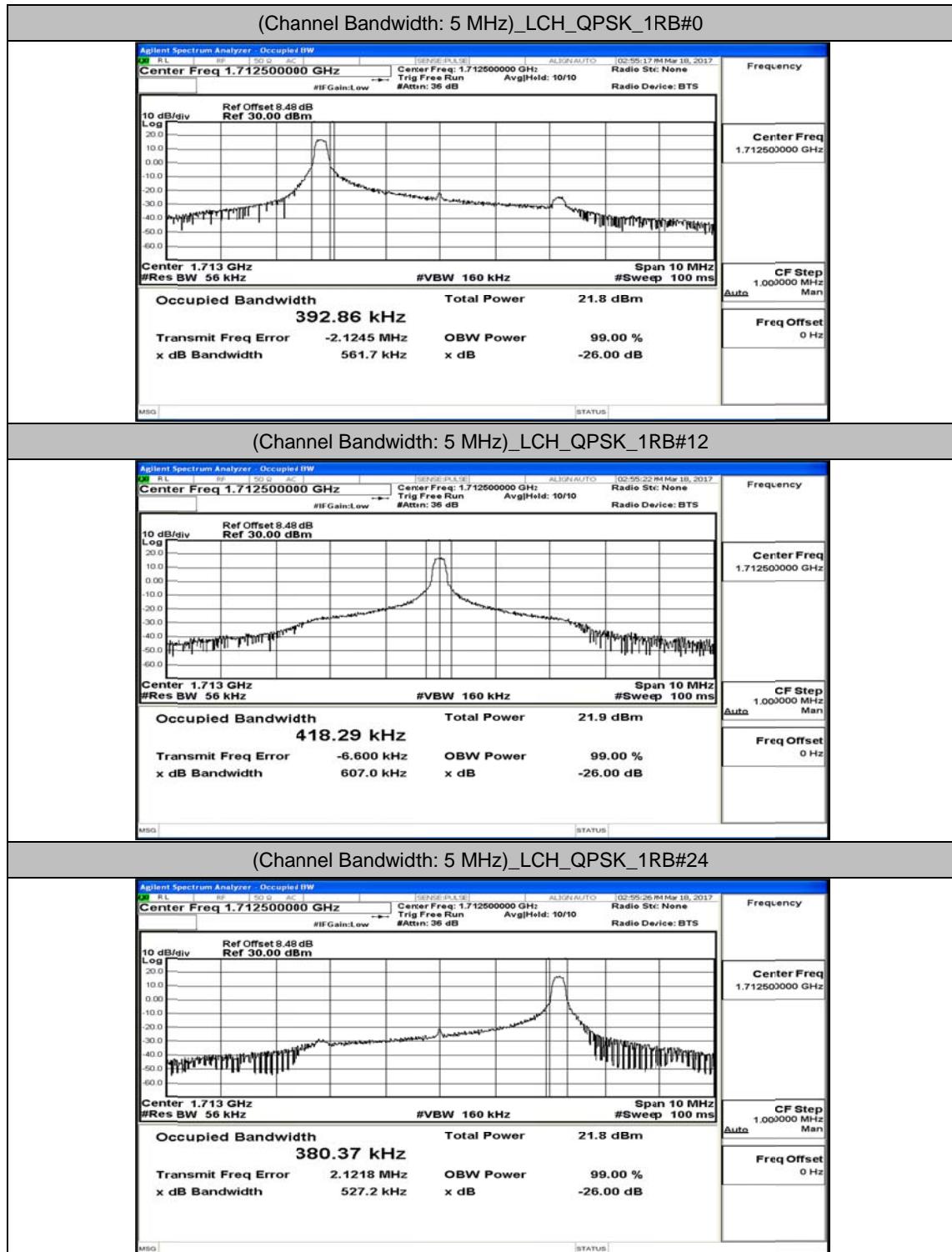
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



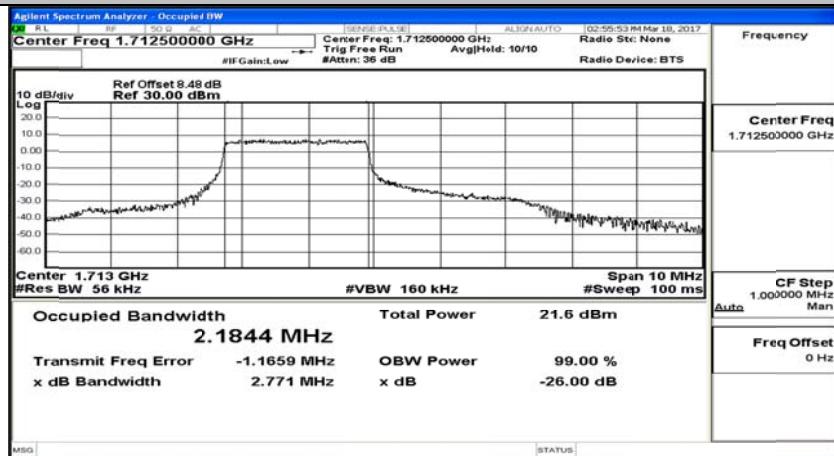




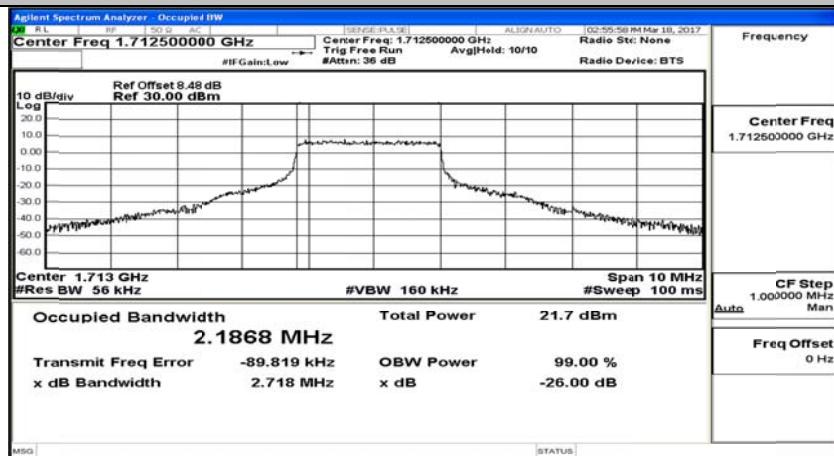
Channel Bandwidth: 5 MHz



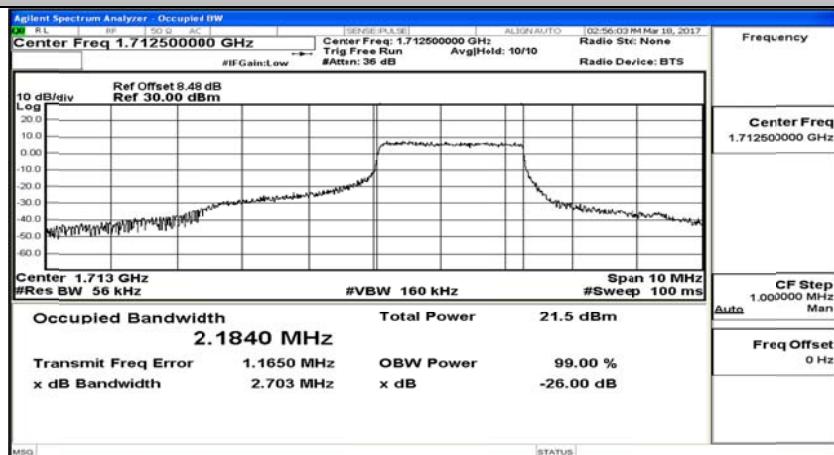
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



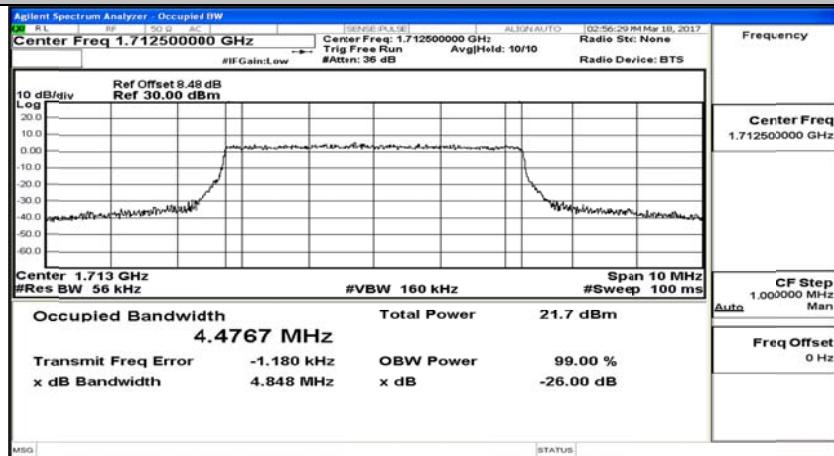
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



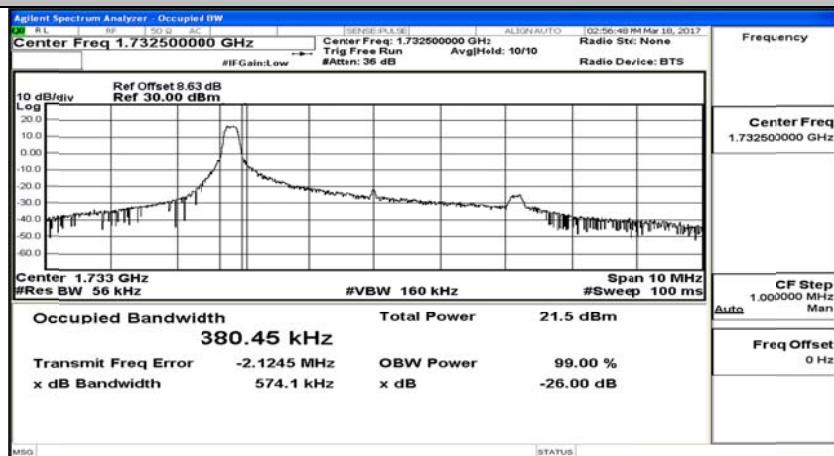
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



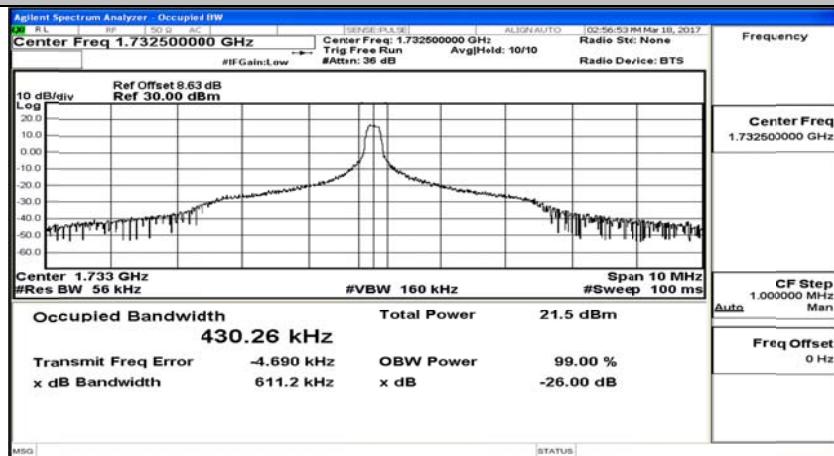
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



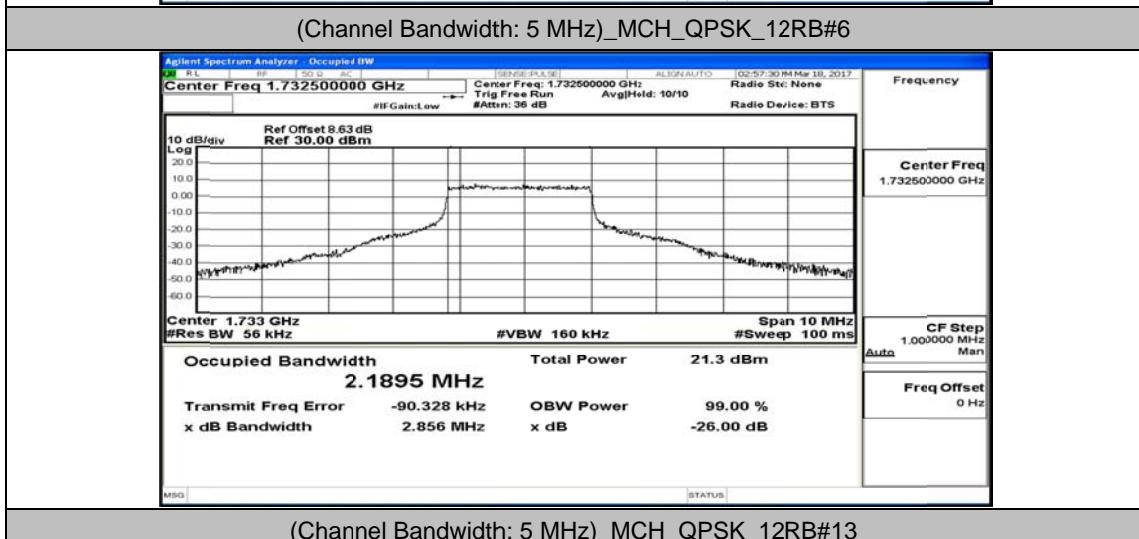
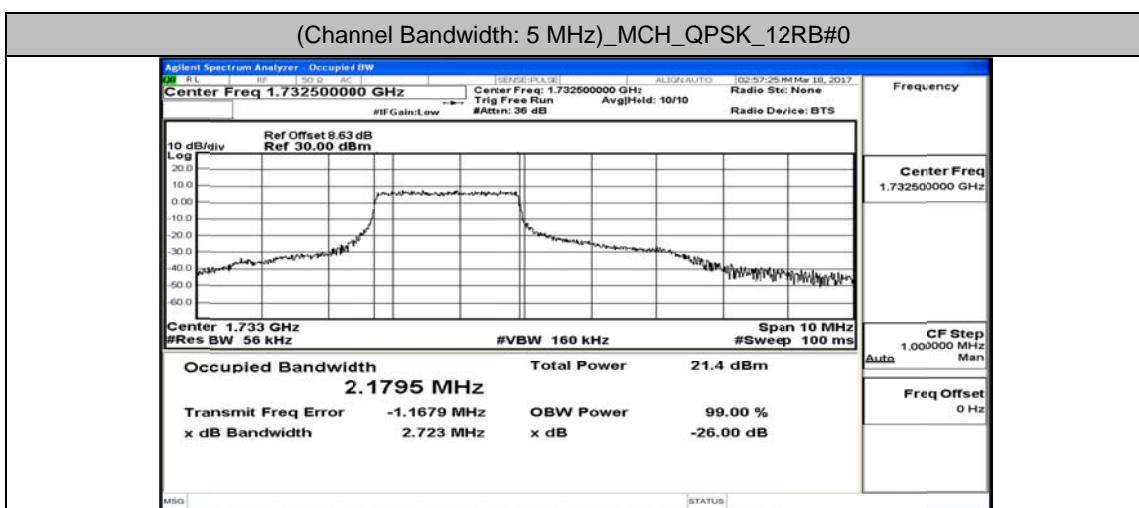
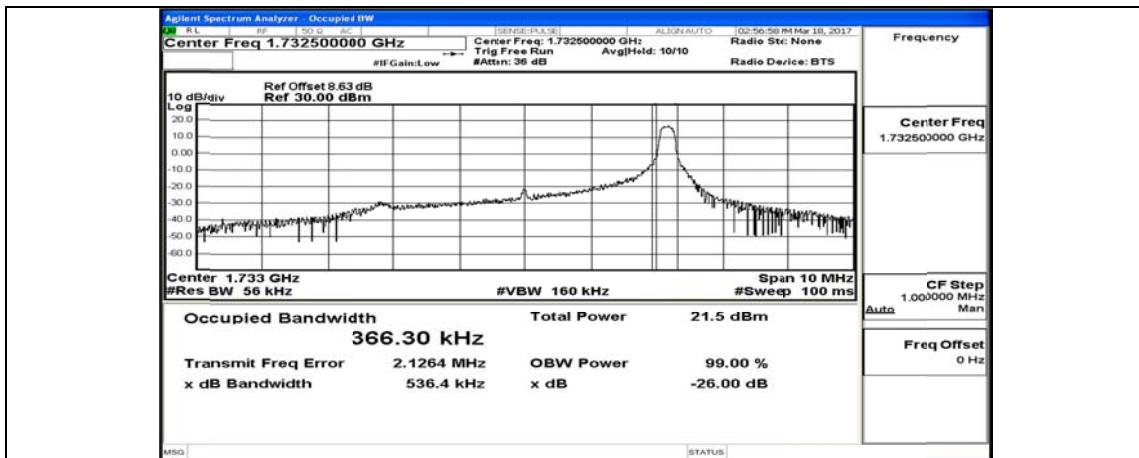
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

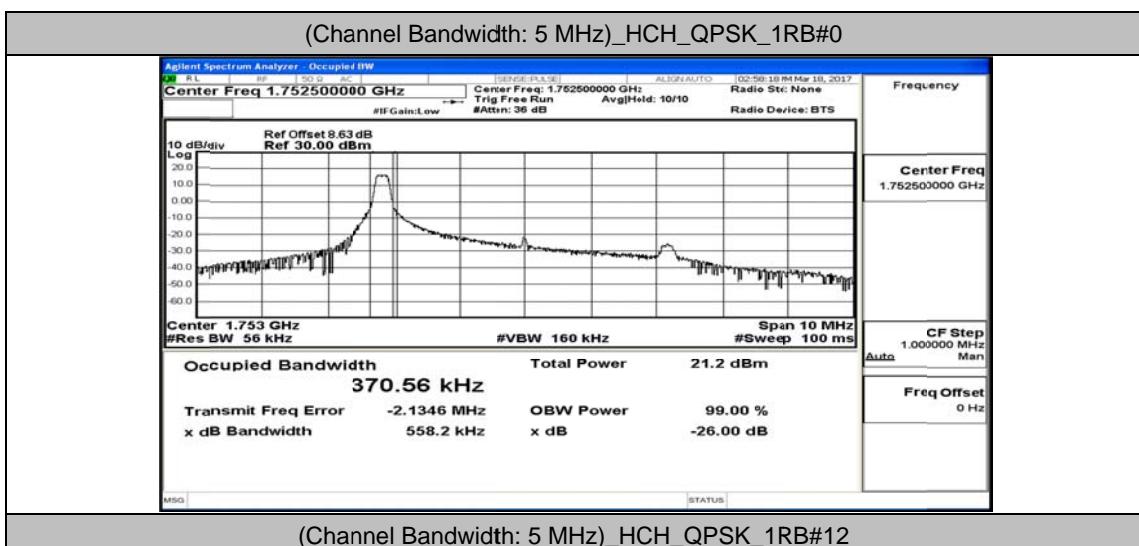
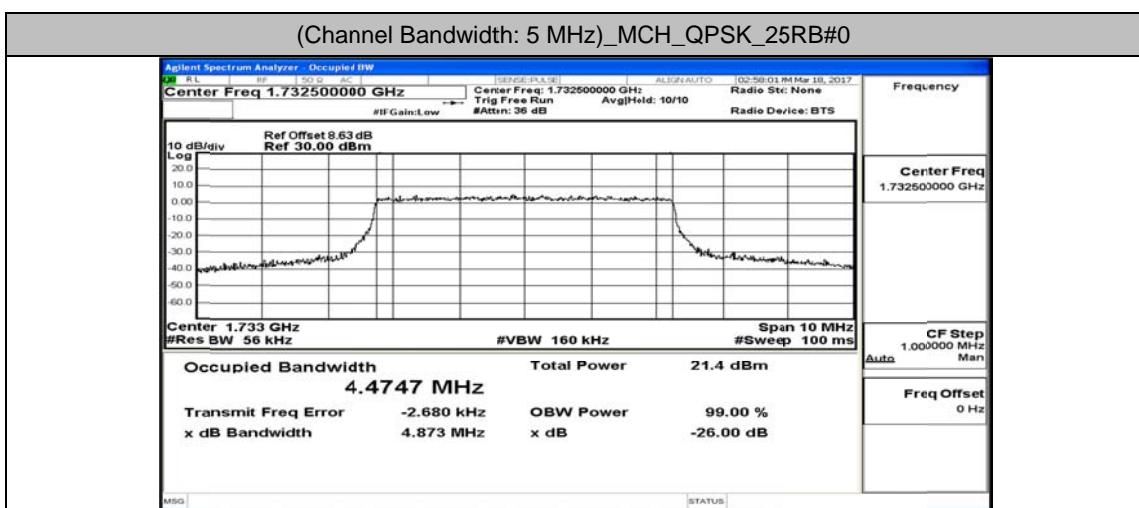
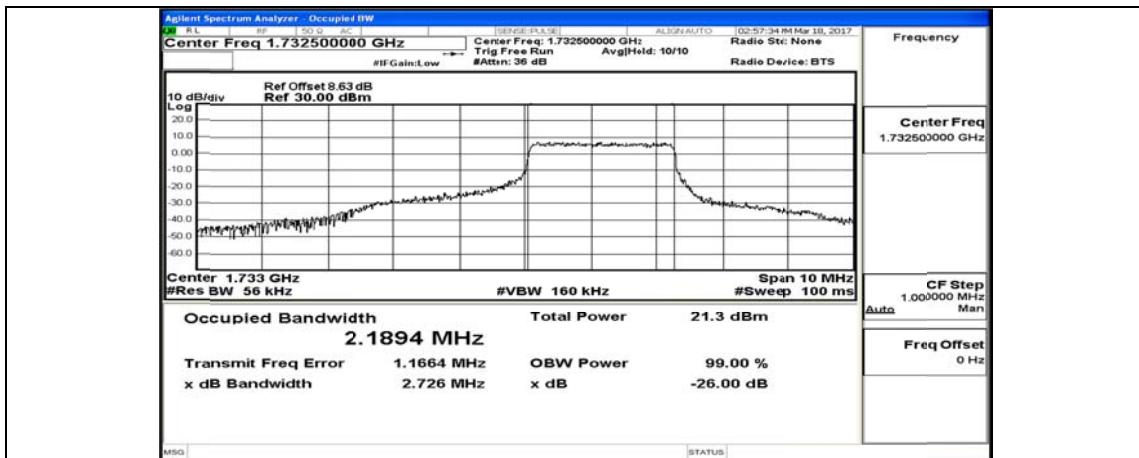


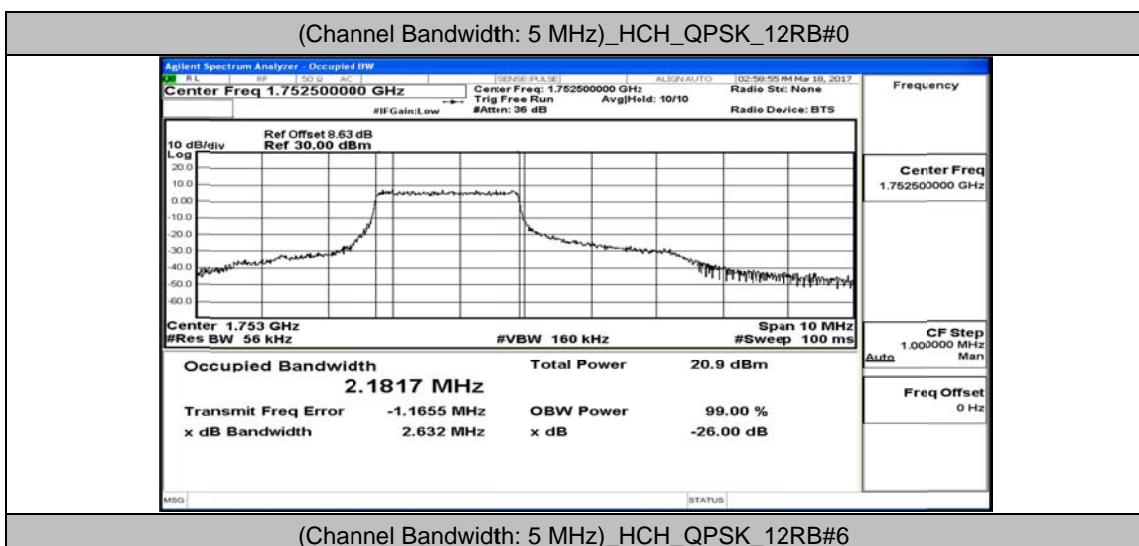
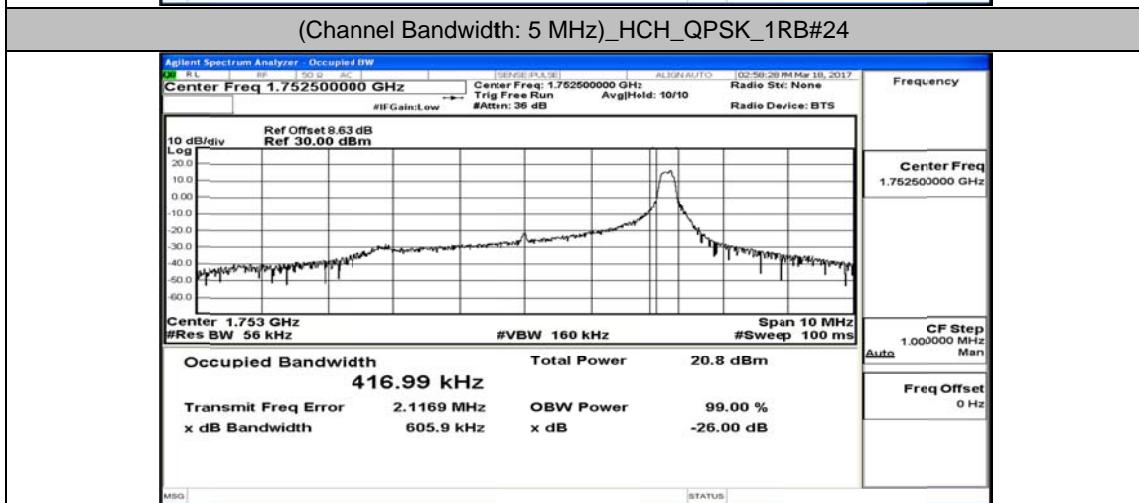
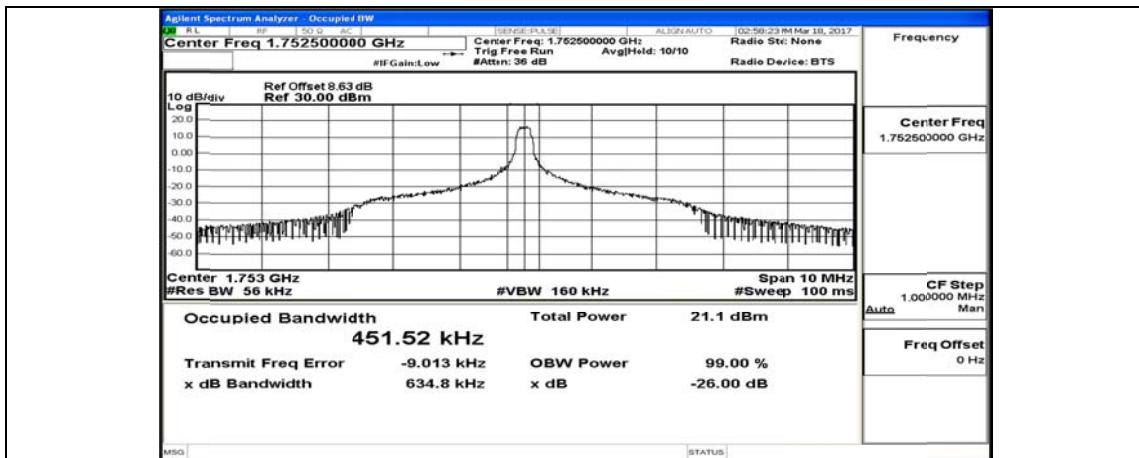
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

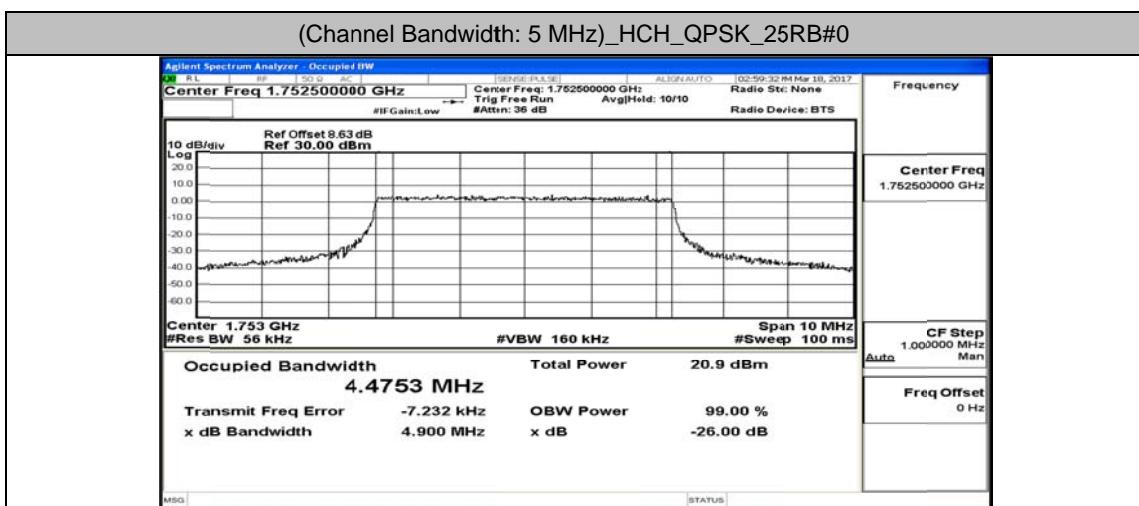
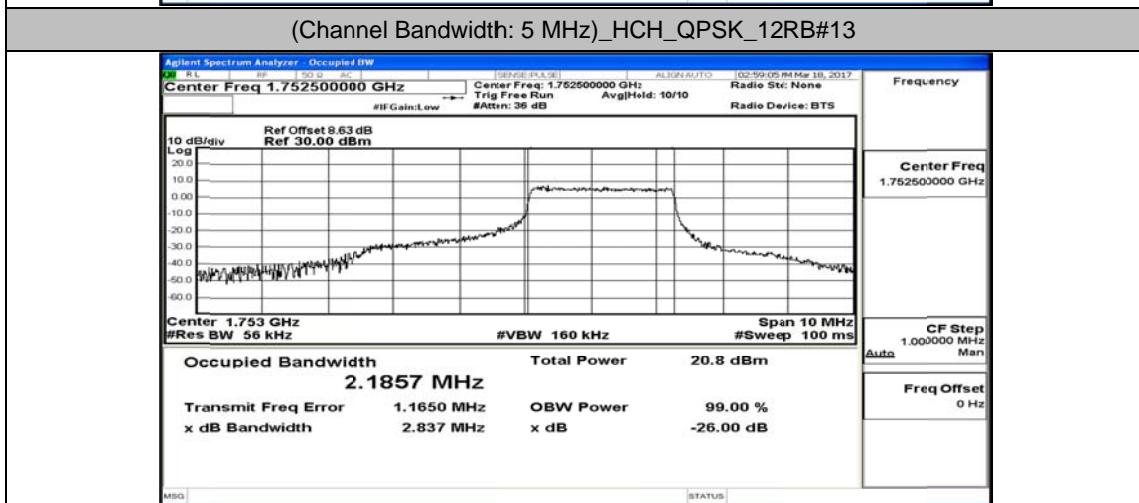
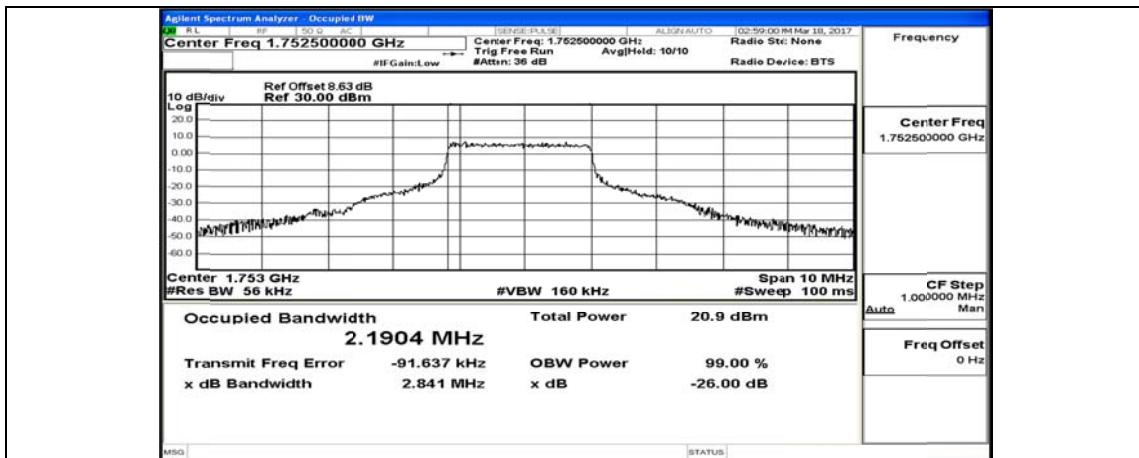


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24





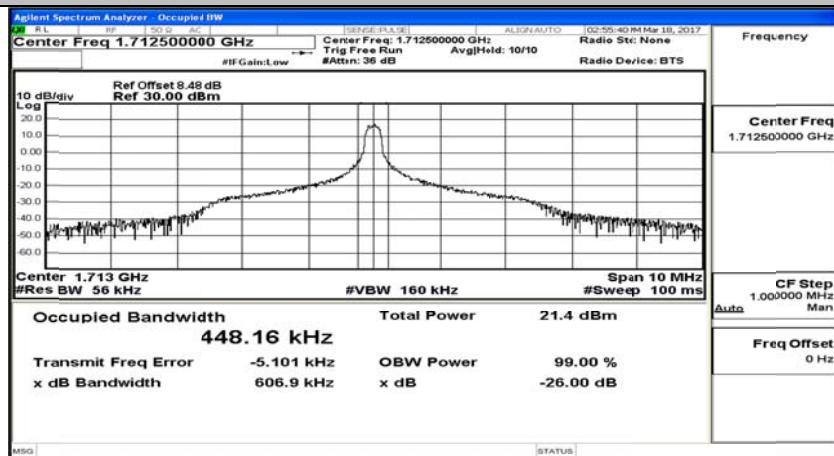




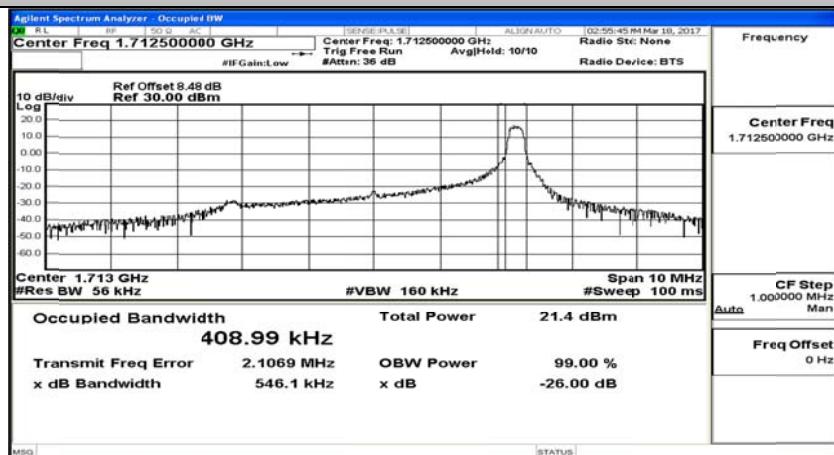
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



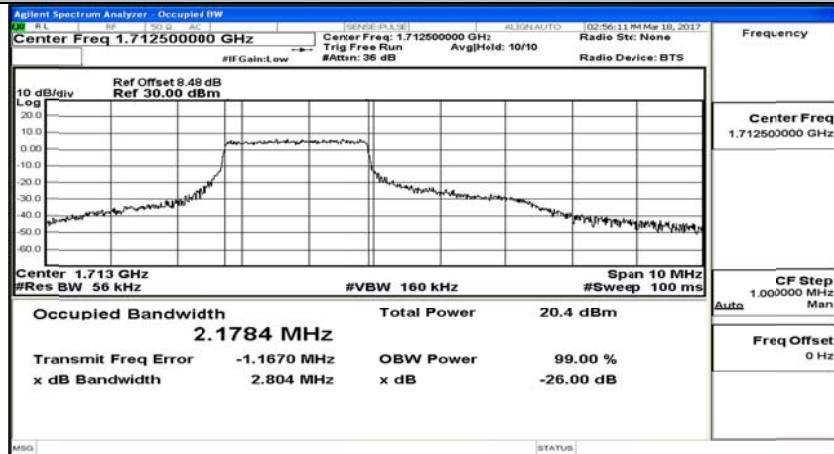
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



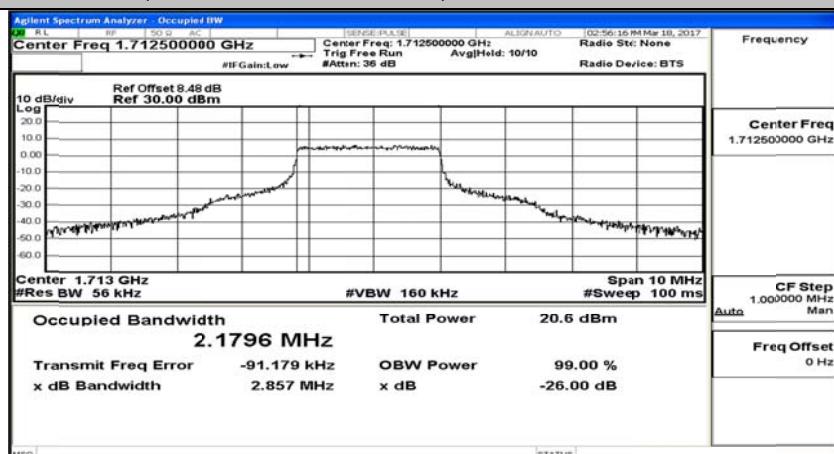
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



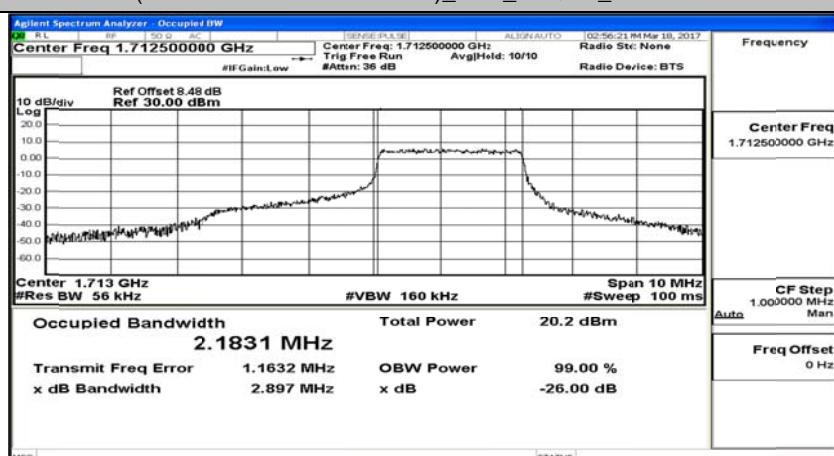
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



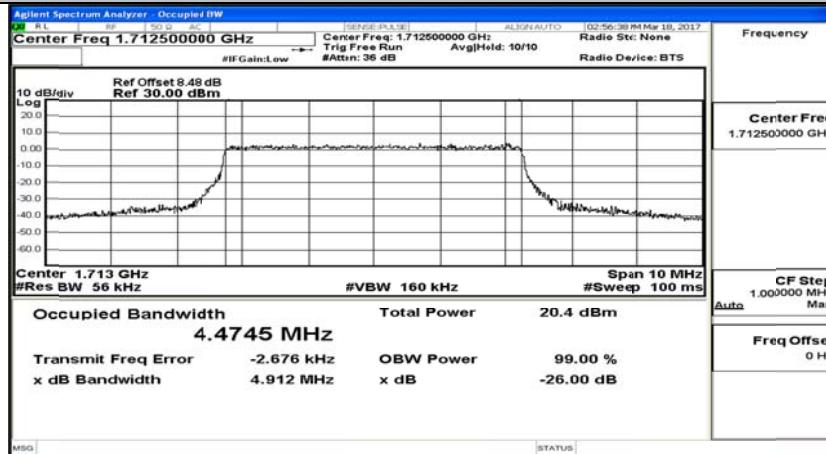
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



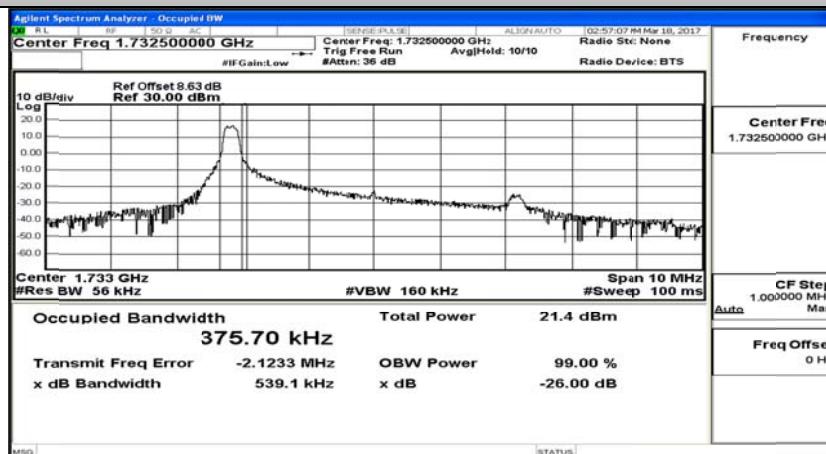
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



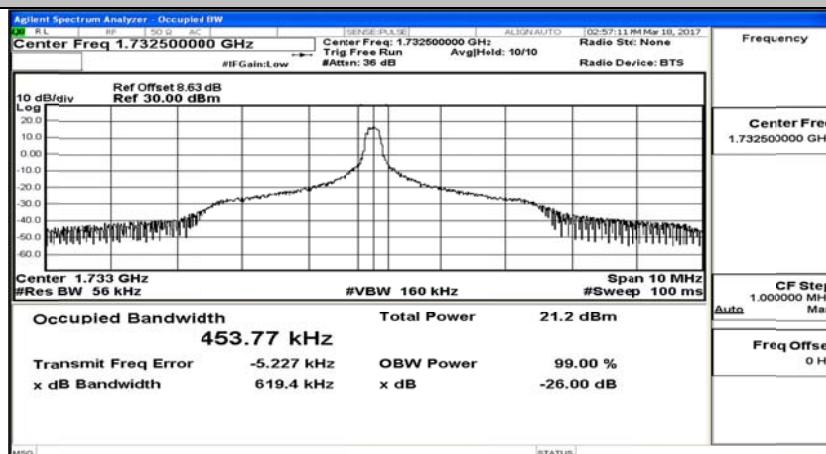
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



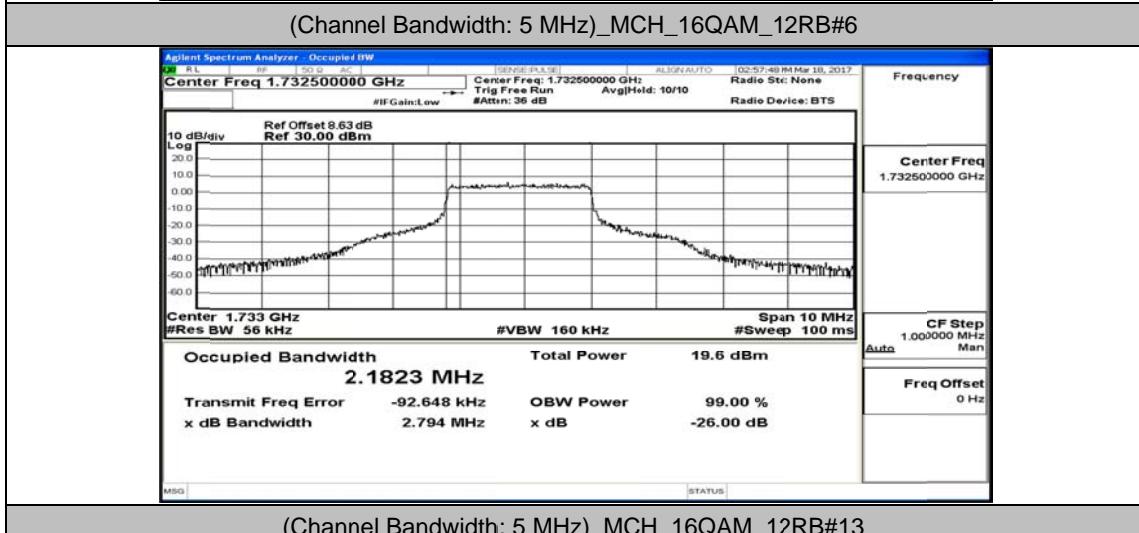
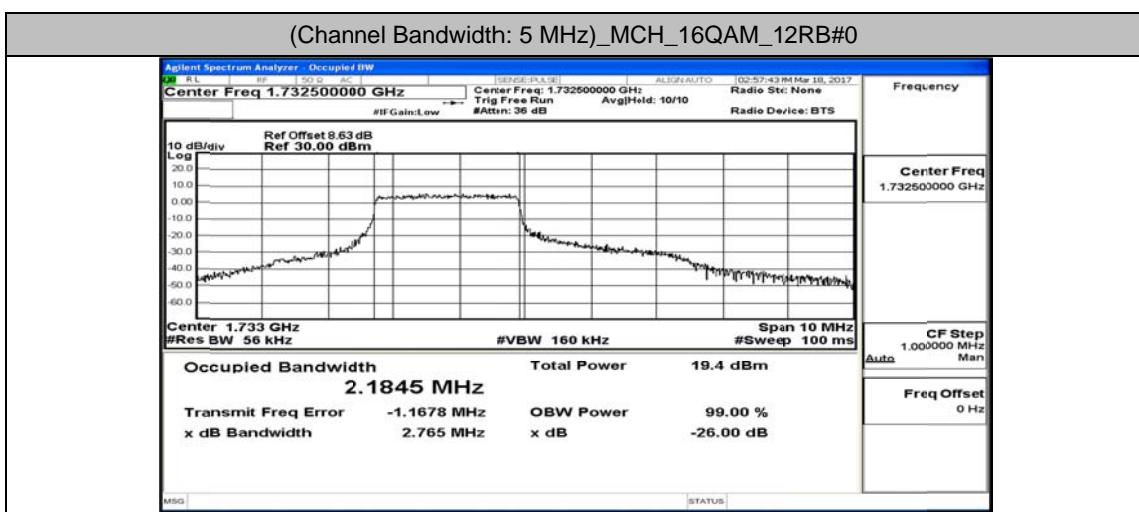
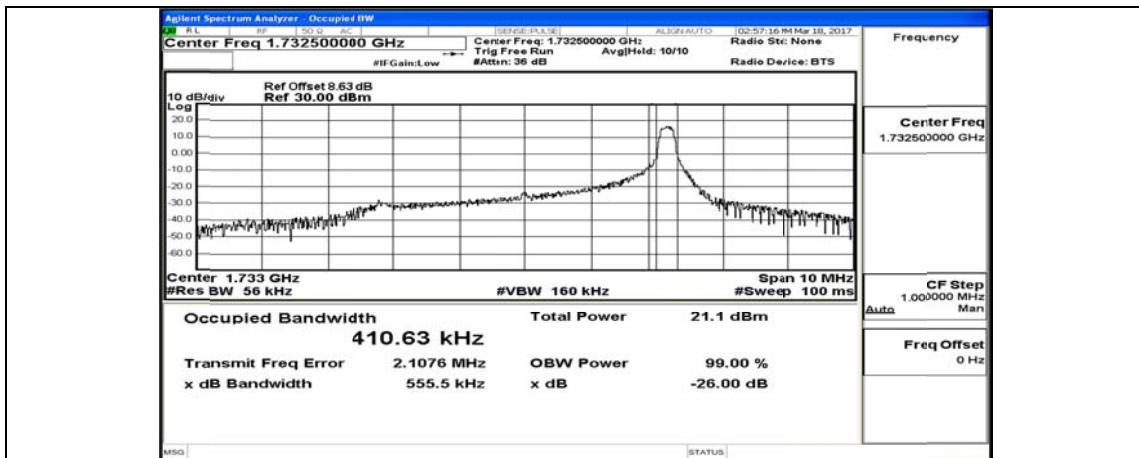
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

