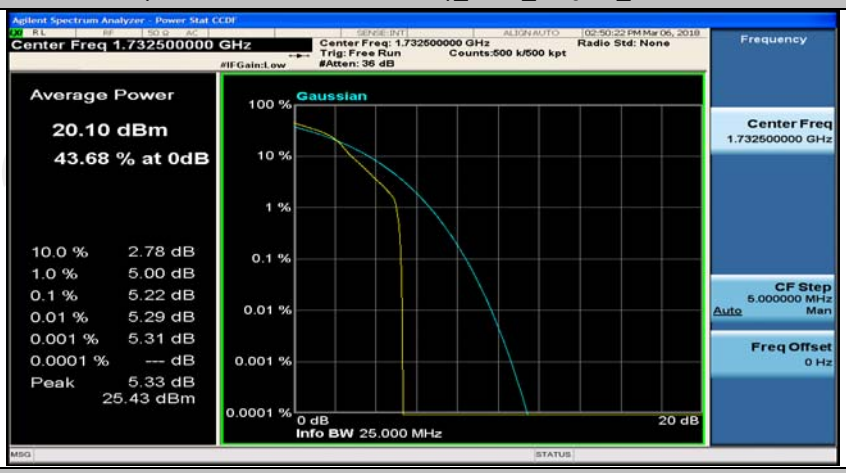
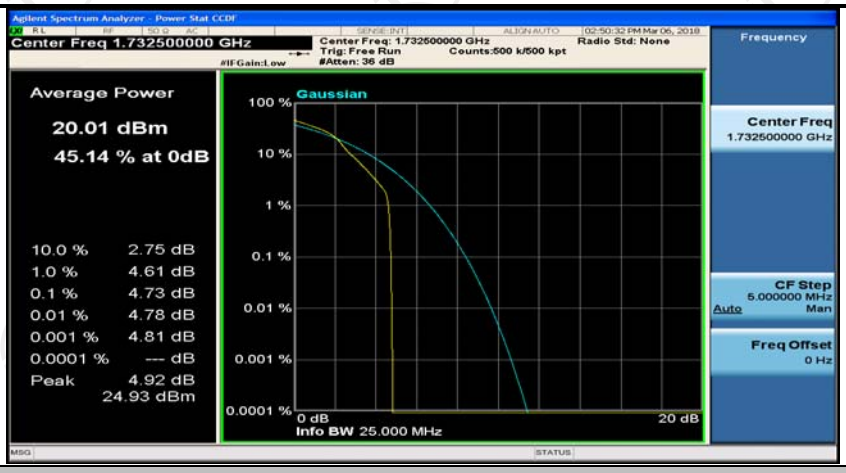
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

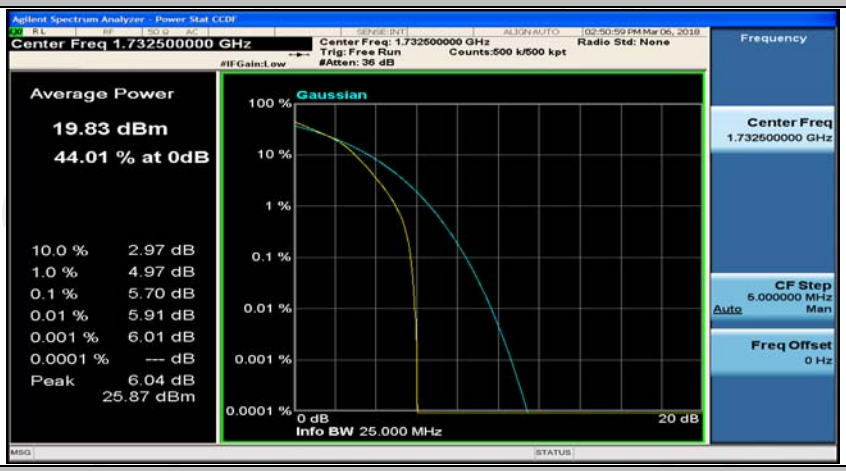


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0



(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25

(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50

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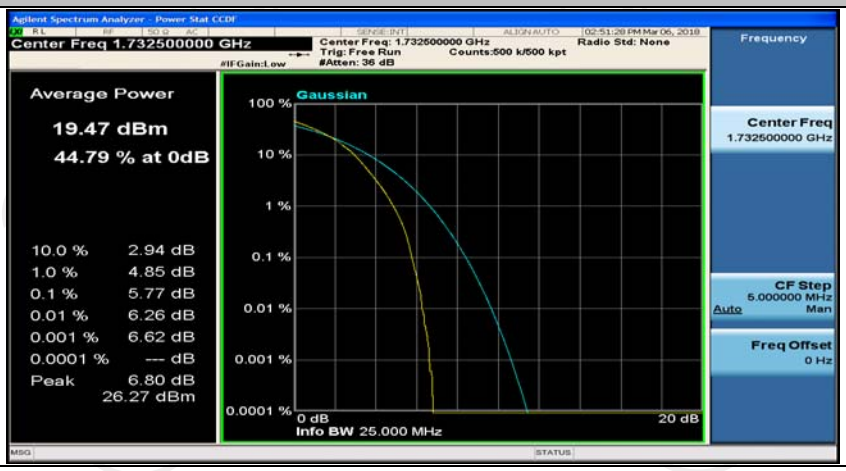
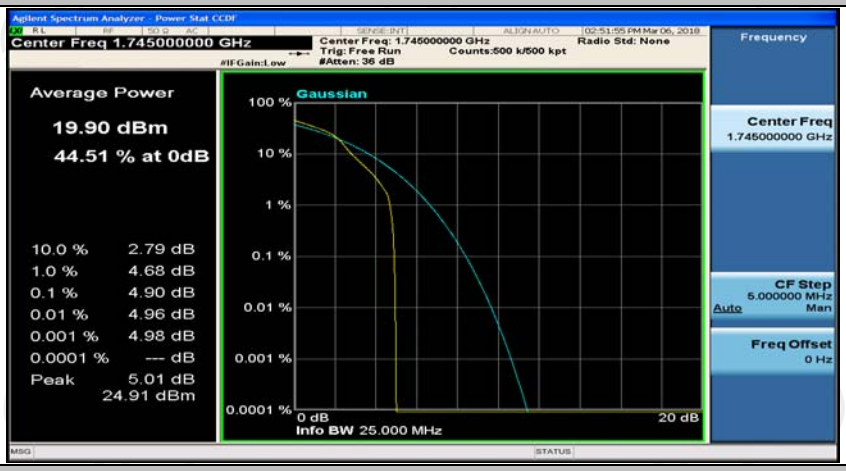
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0

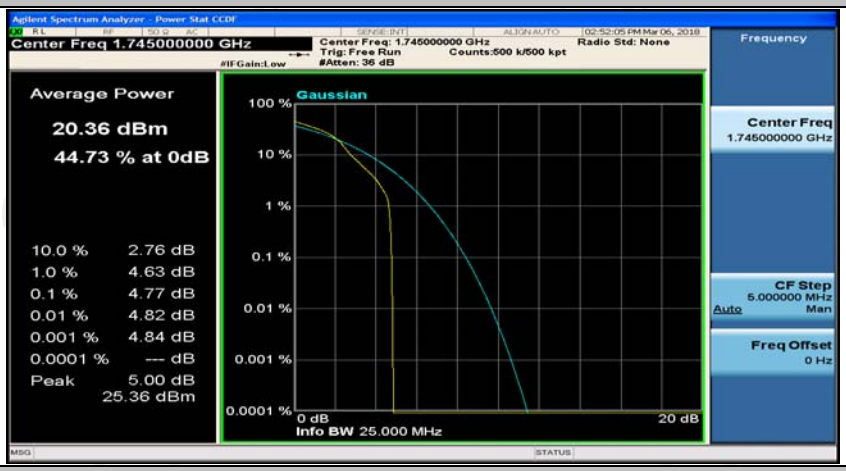


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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

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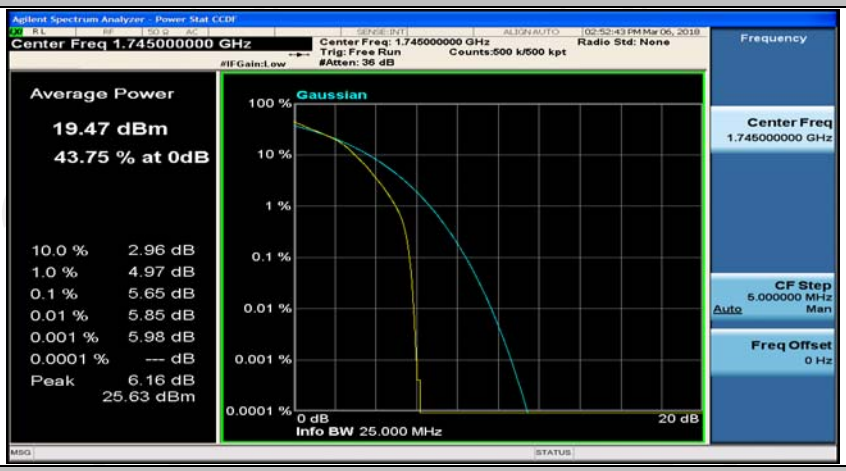
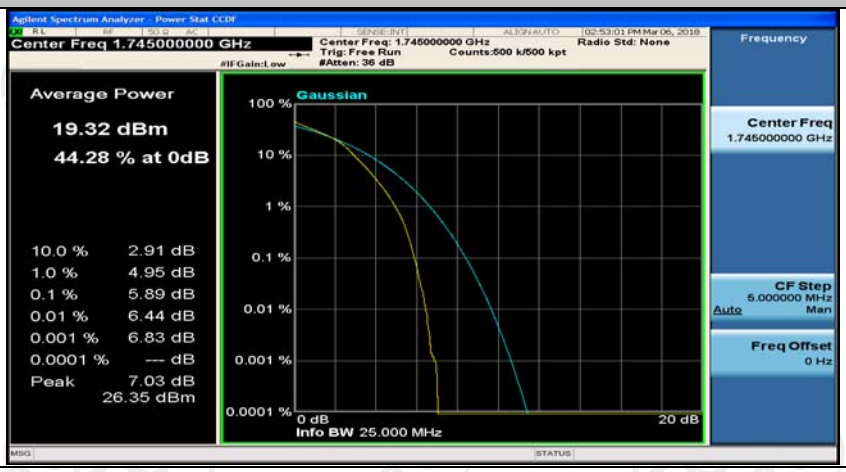
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0



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	0.216	0.320	PASS
		1	3	0.242	0.379	PASS
		1	5	0.215	0.347	PASS
		3	0	0.551	0.708	PASS
		3	2	0.556	0.759	PASS
		3	3	0.549	0.702	PASS
		6	0	1.080	1.231	PASS
	MCH	1	0	0.217	0.338	PASS
		1	3	0.240	0.374	PASS
		1	5	0.215	0.339	PASS
		3	0	0.551	0.694	PASS
		3	2	0.556	0.791	PASS
		3	3	0.550	0.696	PASS
		6	0	1.079	1.224	PASS
	HCH	1	0	0.217	0.335	PASS
		1	3	0.241	0.386	PASS
		1	5	0.215	0.327	PASS
		3	0	0.550	0.697	PASS
		3	2	0.557	0.790	PASS
		3	3	0.549	0.705	PASS
		6	0	1.077	1.248	PASS
16QAM	LCH	1	0	0.225	0.358	PASS
		1	3	0.245	0.402	PASS
		1	5	0.224	0.349	PASS
		3	0	0.553	0.700	PASS
		3	2	0.561	0.828	PASS
		3	3	0.553	0.730	PASS
		6	0	1.081	1.246	PASS
	MCH	1	0	0.223	0.342	PASS
		1	3	0.244	0.399	PASS

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		1	5	0.226	0.344	PASS
		3	0	0.552	0.701	PASS
		3	2	0.561	0.770	PASS
		3	3	0.555	0.739	PASS
		6	0	1.080	1.227	PASS
	HCH	1	0	0.225	0.346	PASS
		1	3	0.244	0.388	PASS
		1	5	0.228	0.359	PASS
		3	0	0.551	0.724	PASS
		3	2	0.561	0.772	PASS
		3	3	0.552	0.730	PASS
		6	0	1.081	1.246	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.240	0.343	PASS
		1	7	0.319	0.548	PASS
		1	14	0.234	0.372	PASS
		8	0	1.443	1.640	PASS
		8	4	1.456	1.762	PASS
		8	7	1.446	1.654	PASS
		15	0	2.686	2.883	PASS
	MCH	1	0	0.235	0.360	PASS
		1	7	0.310	0.489	PASS
		1	14	0.233	0.356	PASS
		8	0	1.443	1.658	PASS
		8	4	1.450	1.802	PASS
		8	7	1.448	1.668	PASS
		15	0	2.680	2.883	PASS
	HCH	1	0	0.239	0.345	PASS
		1	7	0.313	0.503	PASS
		1	14	0.234	0.368	PASS
		8	0	1.446	1.659	PASS
		8	4	1.449	1.816	PASS
		8	7	1.448	1.654	PASS

		15	0	2.684	2.888	PASS
16QAM	LCH	1	0	0.238	0.364	PASS
		1	7	0.325	0.542	PASS
		1	14	0.237	0.334	PASS
		8	0	1.444	1.696	PASS
		8	4	1.452	1.825	PASS
		8	7	1.445	1.661	PASS
		15	0	2.684	2.912	PASS
	MCH	1	0	0.237	0.372	PASS
		1	7	0.327	0.524	PASS
		1	14	0.240	0.363	PASS
		8	0	1.448	1.673	PASS
		8	4	1.453	1.784	PASS
		8	7	1.446	1.667	PASS
		15	0	2.681	2.893	PASS
	HCH	1	0	0.239	0.374	PASS
		1	7	0.322	0.493	PASS
		1	14	0.239	0.347	PASS
		8	0	1.444	1.720	PASS
		8	4	1.449	1.832	PASS
		8	7	1.449	1.683	PASS
		15	0	2.684	2.913	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	0.291	0.447	PASS
		1	12	0.392	0.646	PASS
		1	24	0.291	0.460	PASS
		12	0	2.175	2.561	PASS
		12	6	2.184	2.766	PASS
		12	13	2.177	2.553	PASS
		25	0	4.475	4.866	PASS
	MCH	1	0	0.289	0.443	PASS
		1	12	0.388	0.641	PASS
		1	24	0.302	0.485	PASS
		12	0	2.174	2.512	PASS

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		12	6	2.183	2.733	PASS
		12	13	2.172	2.525	PASS
		25	0	4.472	4.809	PASS
	HCH	1	0	0.287	0.437	PASS
		1	12	0.400	0.650	PASS
		1	24	0.292	0.480	PASS
		12	0	2.170	2.509	PASS
		12	6	2.181	2.748	PASS
		12	13	2.170	2.473	PASS
		25	0	4.472	4.839	PASS
16QAM	LCH	1	0	0.287	0.467	PASS
		1	12	0.419	0.654	PASS
		1	24	0.301	0.456	PASS
		12	0	2.177	2.558	PASS
		12	6	2.180	2.644	PASS
		12	13	2.178	2.495	PASS
		25	0	4.481	4.800	PASS
	MCH	1	0	0.293	0.465	PASS
		1	12	0.433	0.645	PASS
		1	24	0.295	0.478	PASS
		12	0	2.184	2.469	PASS
		12	6	2.180	2.765	PASS
		12	13	2.179	2.514	PASS
		25	0	4.476	4.810	PASS
	HCH	1	0	0.296	0.434	PASS
		1	12	0.421	0.610	PASS
		1	24	0.303	0.499	PASS
		12	0	2.183	2.528	PASS
		12	6	2.182	2.728	PASS
		12	13	2.182	2.526	PASS
		25	0	4.480	4.826	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	0.387	0.595	PASS
		1	25	0.468	0.754	PASS
		1	49	0.384	0.570	PASS
		25	0	4.511	4.961	PASS

		25	12	4.515	5.021	PASS
		25	25	4.509	4.960	PASS
		50	0	8.936	9.483	PASS
	MCH	1	0	0.390	0.587	PASS
		1	25	0.467	0.708	PASS
		1	49	0.385	0.570	PASS
		25	0	4.504	4.962	PASS
		25	12	4.518	5.040	PASS
		25	25	4.505	4.917	PASS
		50	0	8.913	9.420	PASS
	HCH	1	0	0.393	0.559	PASS
		1	25	0.454	0.722	PASS
		1	49	0.381	0.577	PASS
		25	0	4.525	4.940	PASS
		25	12	4.524	5.110	PASS
		25	25	4.523	4.967	PASS
		50	0	8.919	9.461	PASS
16QAM	LCH	1	0	0.394	0.571	PASS
		1	25	0.454	0.658	PASS
		1	49	0.384	0.565	PASS
		25	0	4.505	4.919	PASS
		25	12	4.513	5.061	PASS
		25	25	4.503	4.889	PASS
		50	0	8.924	9.465	PASS
	MCH	1	0	0.391	0.566	PASS
		1	25	0.471	0.704	PASS
		1	49	0.382	0.573	PASS
		25	0	4.504	4.994	PASS
		25	12	4.507	4.986	PASS
		25	25	4.514	4.916	PASS
		50	0	8.915	9.421	PASS
	HCH	1	0	0.392	0.589	PASS
		1	25	0.490	0.730	PASS
		1	49	0.384	0.549	PASS
		25	0	4.505	4.971	PASS
		25	12	4.510	5.094	PASS
		25	25	4.507	5.005	PASS
		50	0	8.925	9.446	PASS

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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	0.503	0.728	PASS
		1	37	0.582	0.850	PASS
		1	74	0.490	0.741	PASS
		37	0	6.491	7.042	PASS
		37	18	6.480	7.345	PASS
		37	38	6.497	7.109	PASS
		75	0	13.381	14.030	PASS
	MCH	1	0	0.499	0.725	PASS
		1	37	0.586	0.869	PASS
		1	74	0.491	0.704	PASS
		37	0	6.496	7.057	PASS
		37	18	6.480	7.288	PASS
		37	38	6.479	7.102	PASS
		75	0	13.342	13.950	PASS
	HCH	1	0	0.489	0.749	PASS
		1	37	0.597	0.831	PASS
		1	74	0.501	0.714	PASS
		37	0	6.490	7.048	PASS
		37	18	6.509	7.303	PASS
		37	38	6.486	7.130	PASS
		75	0	13.403	14.110	PASS
16QAM	LCH	1	0	0.498	0.721	PASS
		1	37	0.595	0.816	PASS
		1	74	0.492	0.727	PASS
		37	0	6.491	7.027	PASS
		37	18	6.494	7.339	PASS
		37	38	6.486	7.127	PASS
		75	0	13.388	14.040	PASS
	MCH	1	0	0.473	0.732	PASS
		1	37	0.587	0.760	PASS
		1	74	0.495	0.727	PASS
		37	0	6.465	7.087	PASS
		37	18	6.485	7.241	PASS
		37	38	6.481	7.016	PASS
		75	0	13.335	13.940	PASS
	HCH	1	0	0.499	0.723	PASS

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		1	37	0.586	0.841	PASS
		1	74	0.507	0.742	PASS
		37	0	6.487	7.130	PASS
		37	18	6.499	7.326	PASS
		37	38	6.491	7.079	PASS
		75	0	13.395	14.050	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.579	0.803	PASS
		1	50	0.636	0.865	PASS
		1	99	0.573	0.824	PASS
		50	0	9.002	9.714	PASS
		50	25	8.991	9.671	PASS
		50	50	8.974	9.621	PASS
		100	0	17.831	18.580	PASS
	MCH	1	0	0.573	0.838	PASS
		1	50	0.627	0.913	PASS
		1	99	0.576	0.807	PASS
		50	0	8.981	9.561	PASS
		50	25	8.984	9.850	PASS
		50	50	8.980	9.724	PASS
		100	0	17.769	18.510	PASS
	HCH	1	0	0.566	0.791	PASS
		1	50	0.634	0.924	PASS
		1	99	0.570	0.899	PASS
		50	0	9.007	9.730	PASS
		50	25	8.989	9.972	PASS
		50	50	9.001	9.688	PASS
		100	0	17.872	18.640	PASS
16QAM	LCH	1	0	0.580	0.834	PASS
		1	50	0.670	0.937	PASS
		1	99	0.572	0.825	PASS
		50	0	8.992	9.657	PASS
		50	25	8.998	9.728	PASS
		50	50	9.006	9.651	PASS
		100	0	17.827	18.600	PASS

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	MCH	1	0	0.572	0.820	PASS
		1	50	0.623	0.859	PASS
		1	99	0.578	0.795	PASS
		50	0	8.981	9.613	PASS
		50	25	8.978	9.915	PASS
		50	50	8.967	9.641	PASS
		100	0	17.773	18.510	PASS
	HCH	1	0	0.571	0.795	PASS
		1	50	0.637	0.941	PASS
		1	99	0.560	0.815	PASS
		50	0	8.994	9.714	PASS
		50	25	9.001	9.857	PASS
		50	50	8.998	9.710	PASS
		100	0	17.881	18.610	PASS

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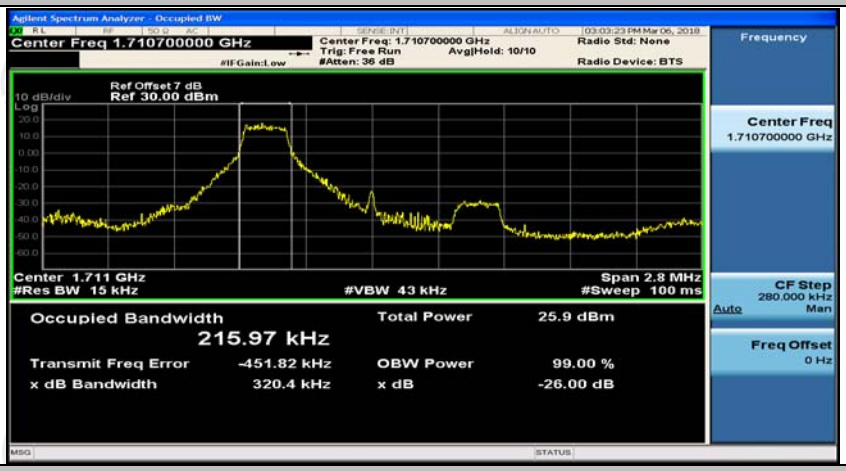
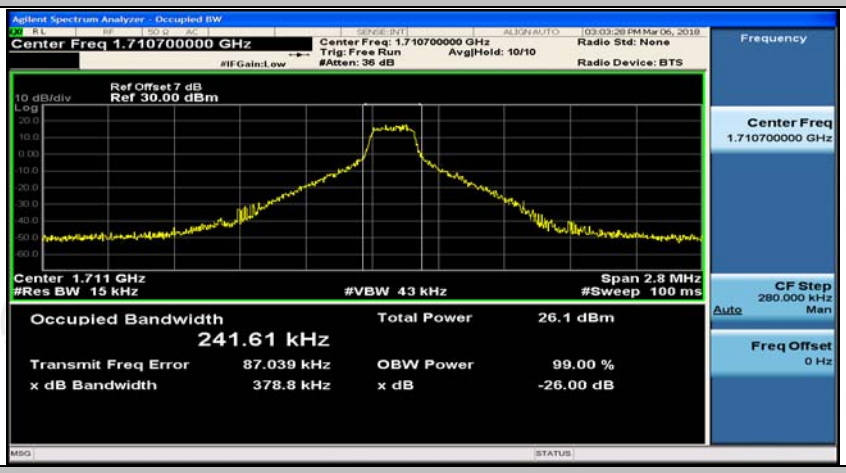
Test Graphs

Channel Bandwidth: 1.4 MHz

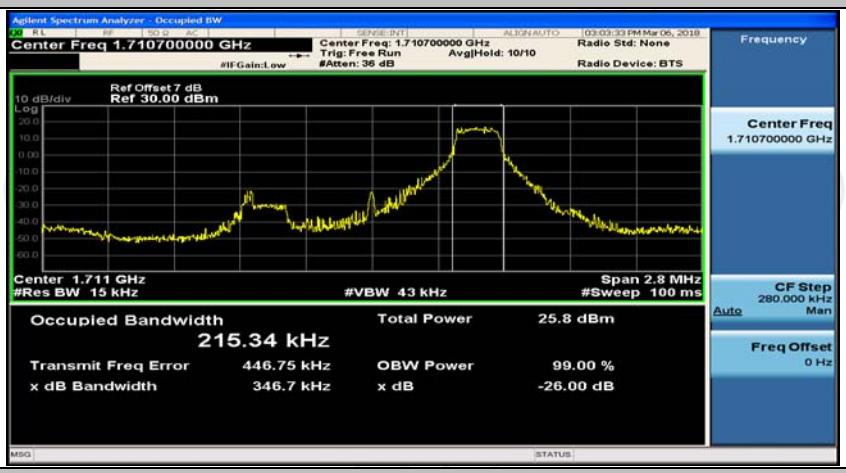
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



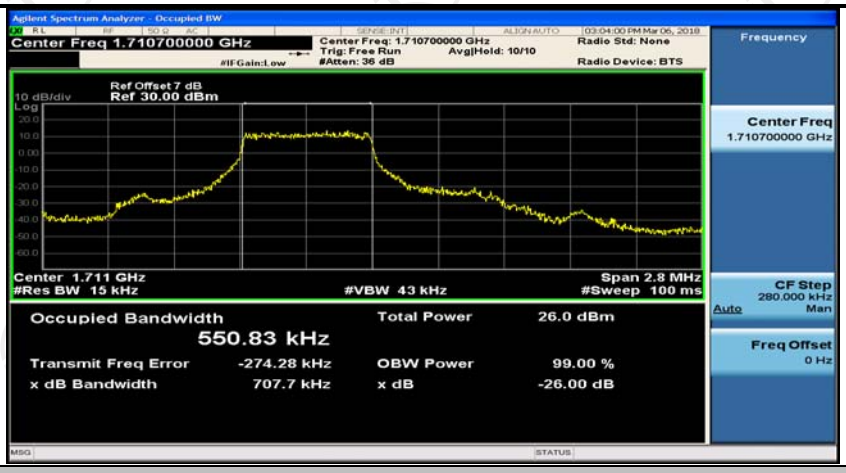
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



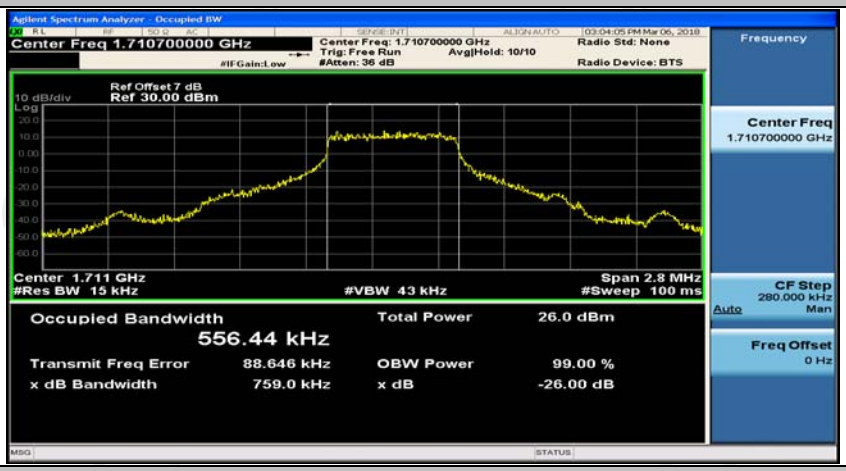
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



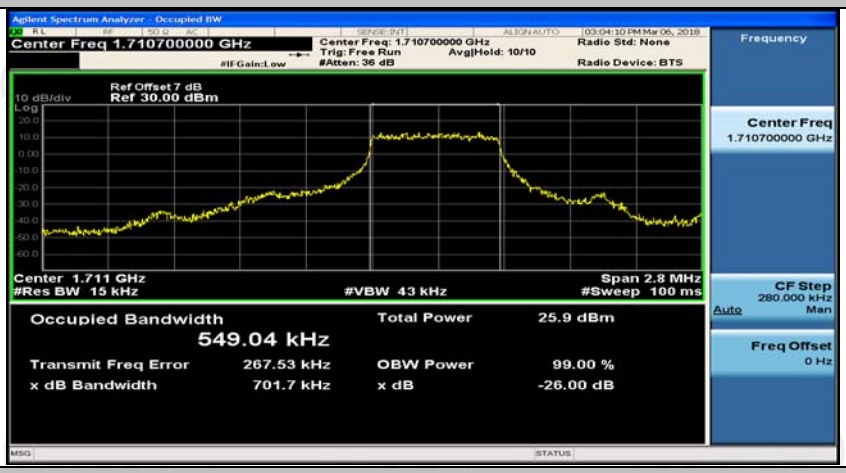
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



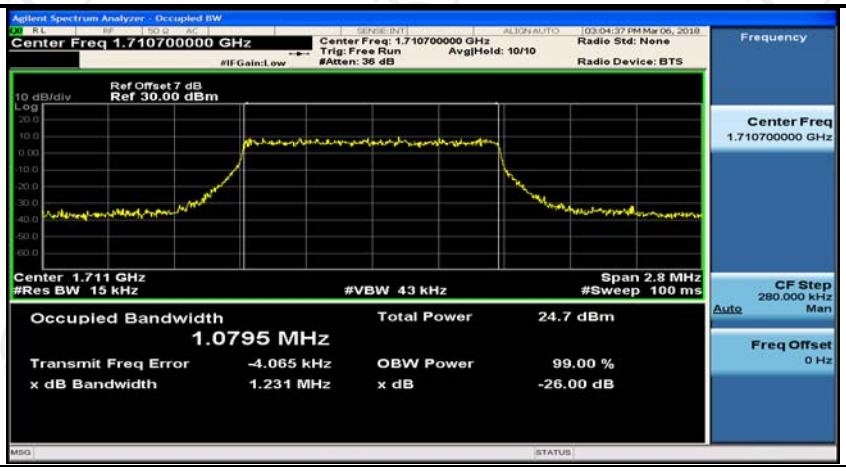
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



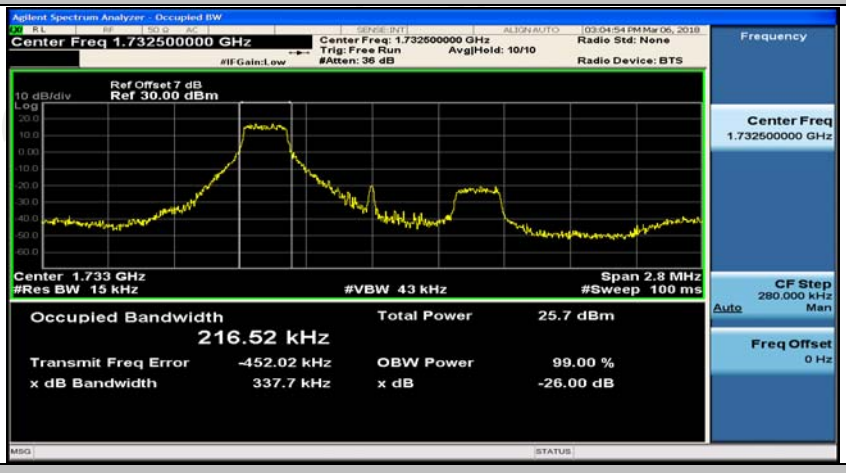
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



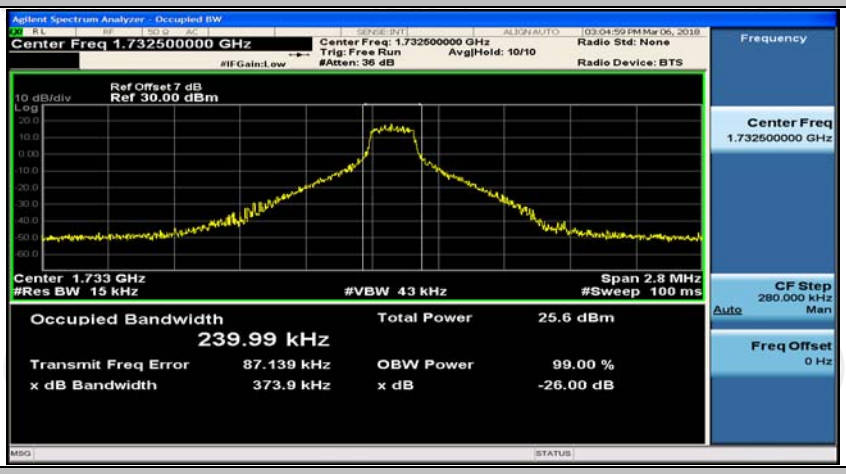
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



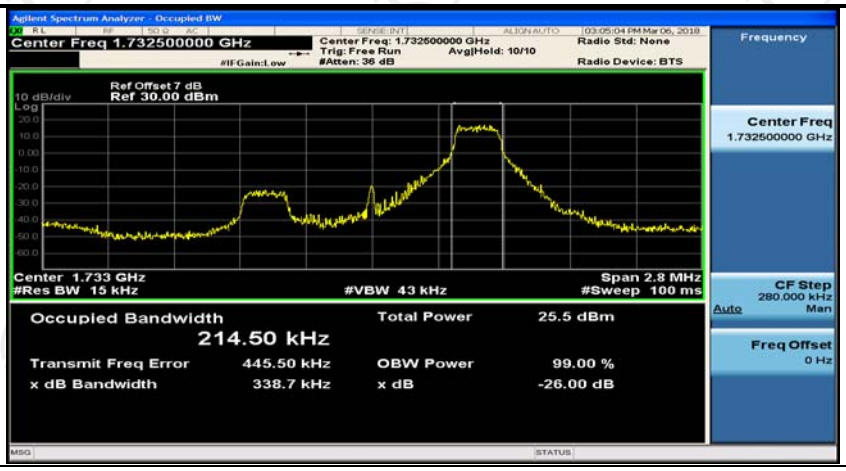
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

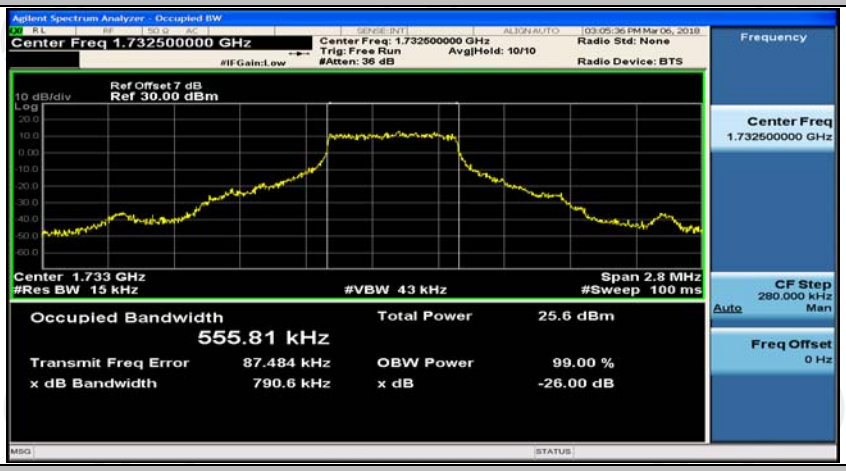


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

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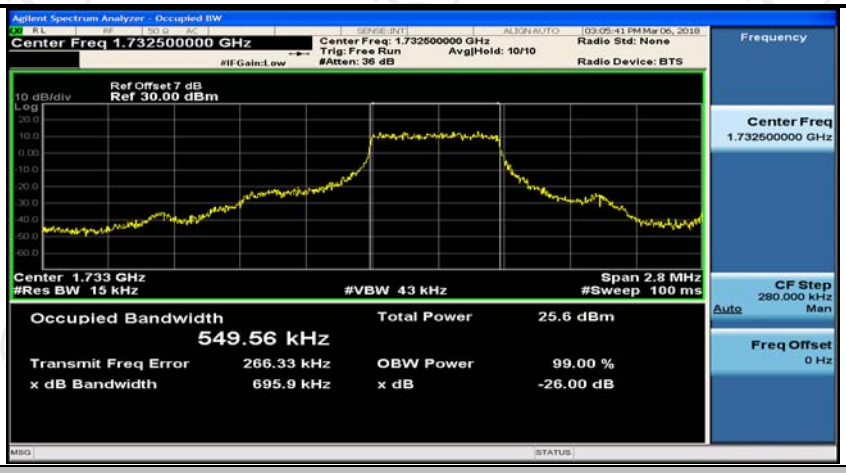
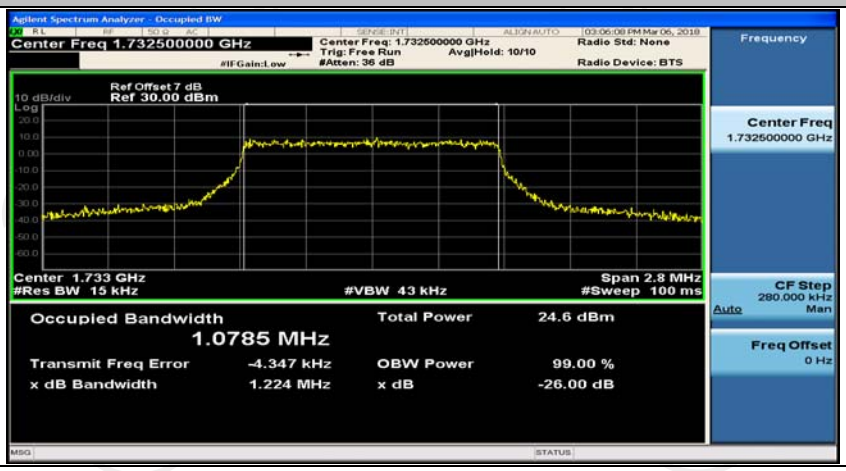
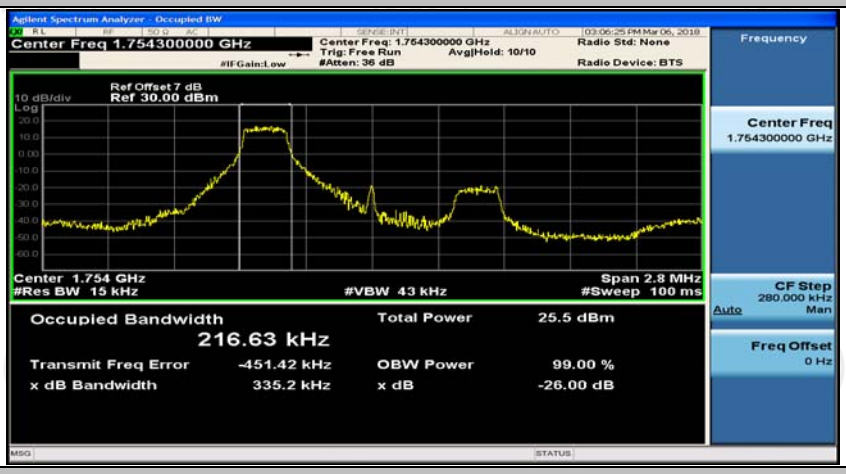


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

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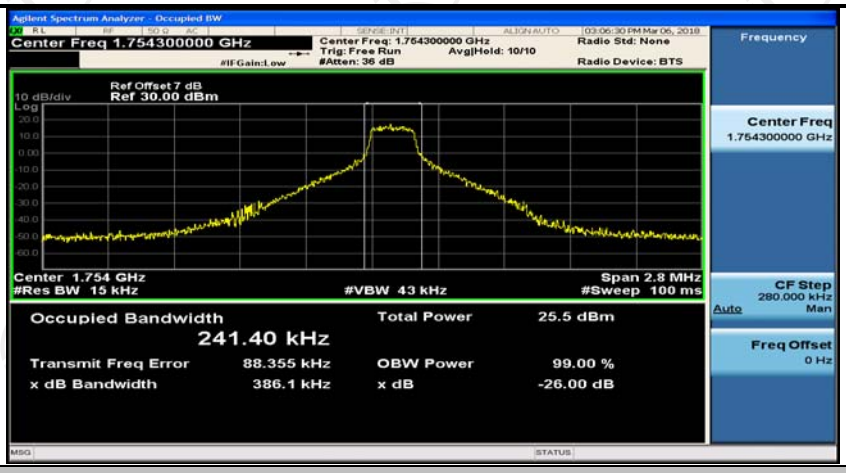
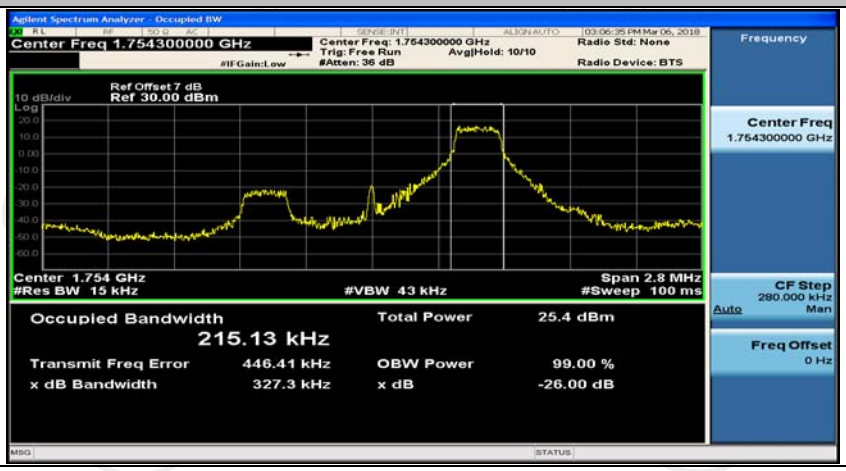
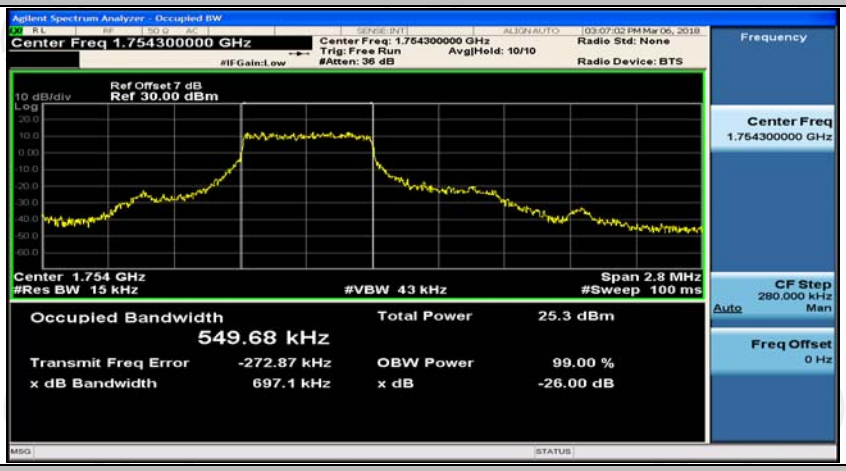


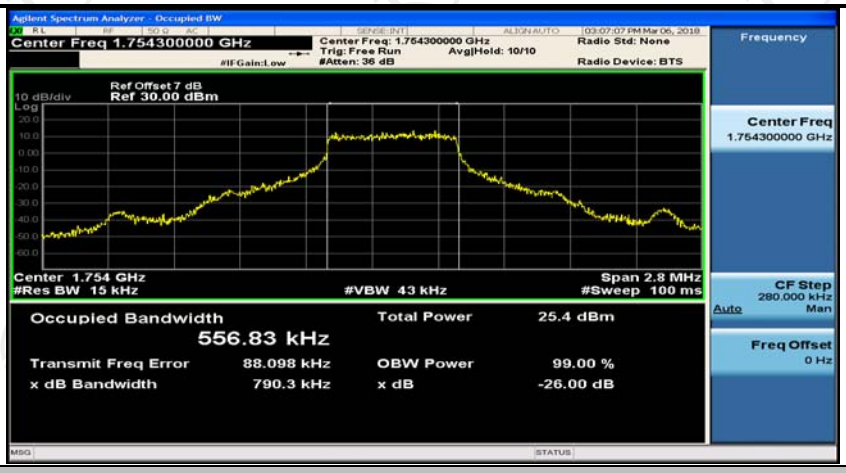
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



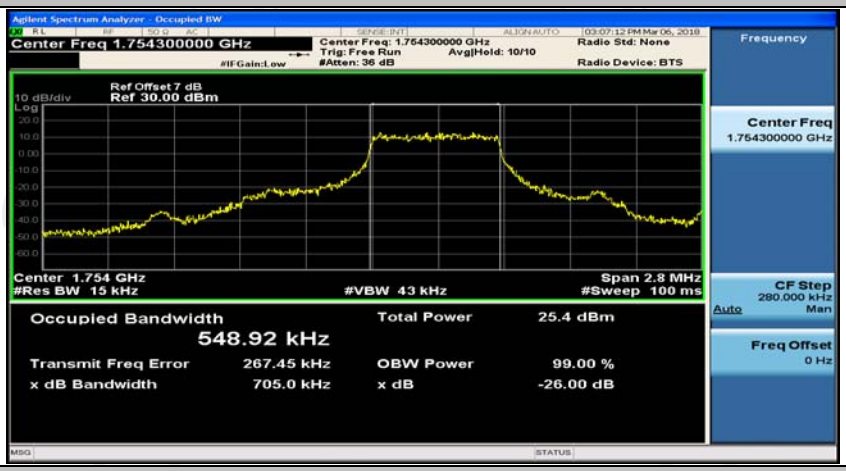
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



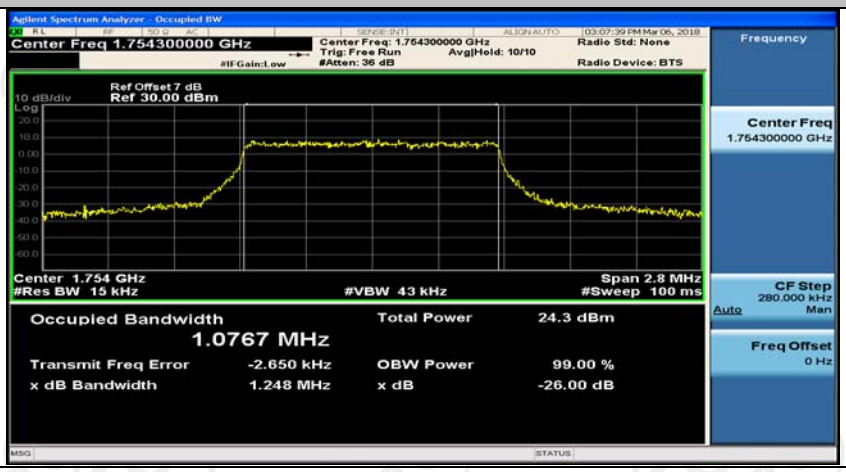
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



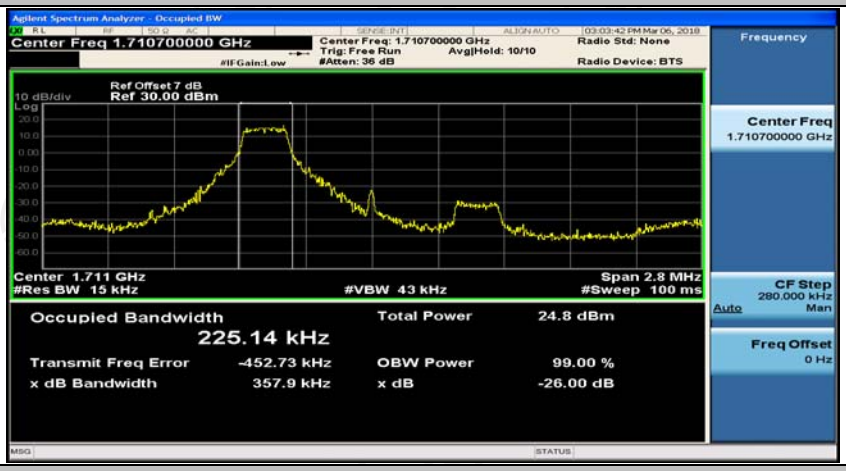
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



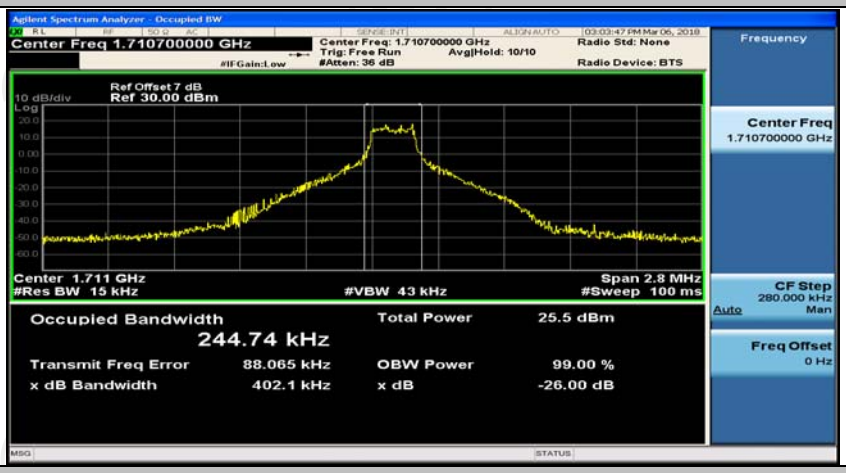
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



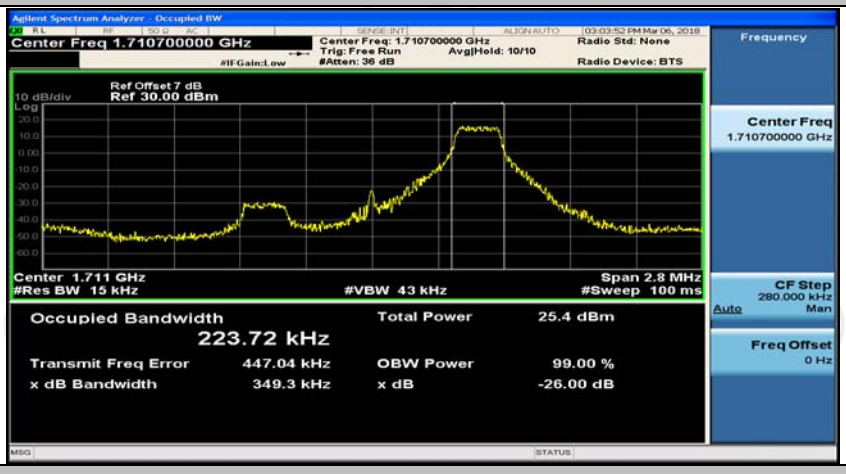
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

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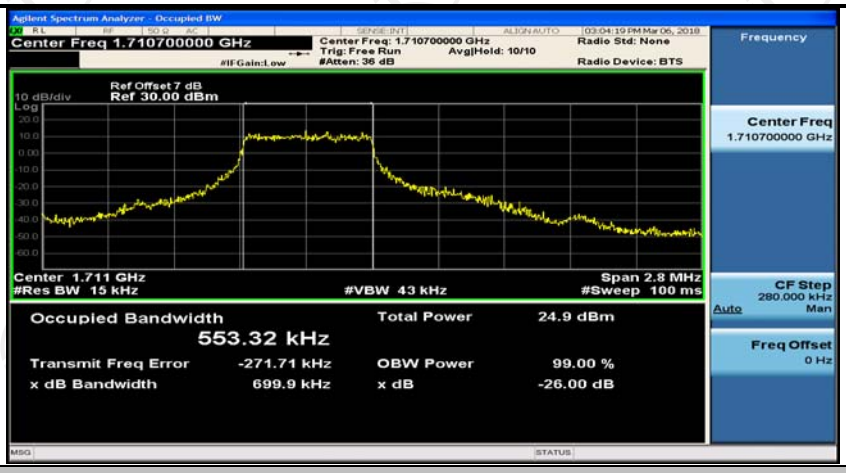
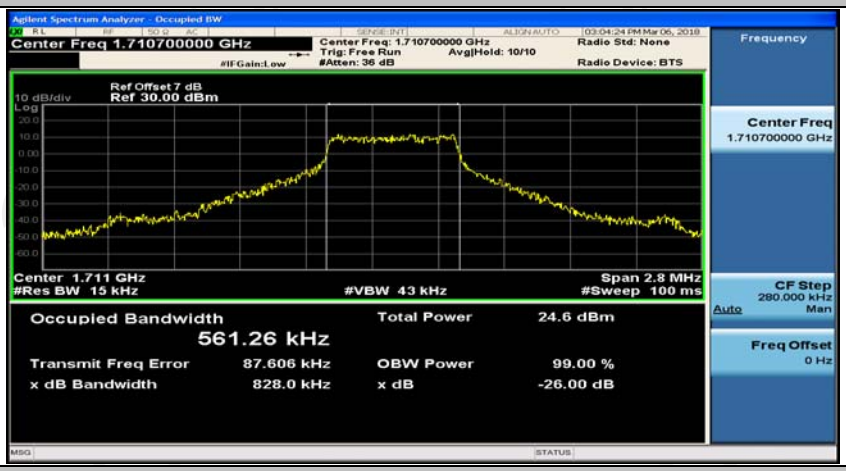
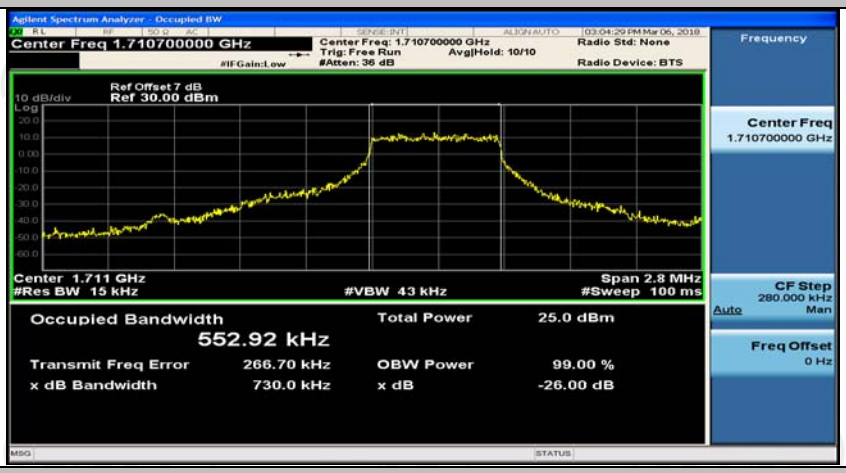


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

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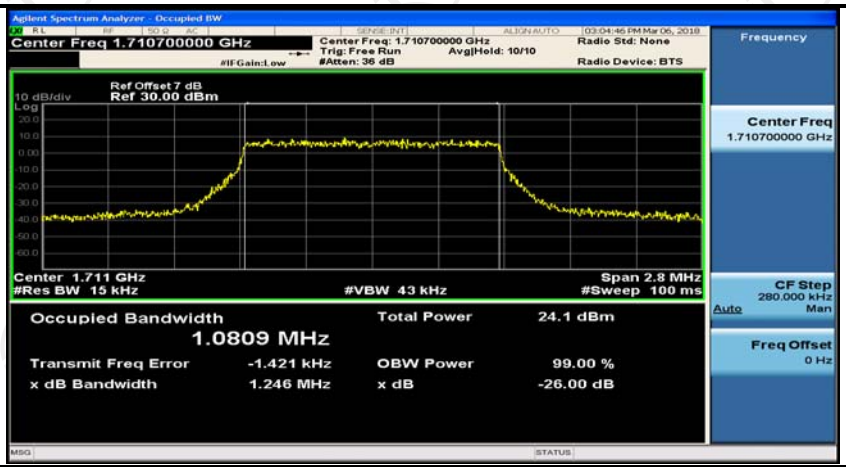
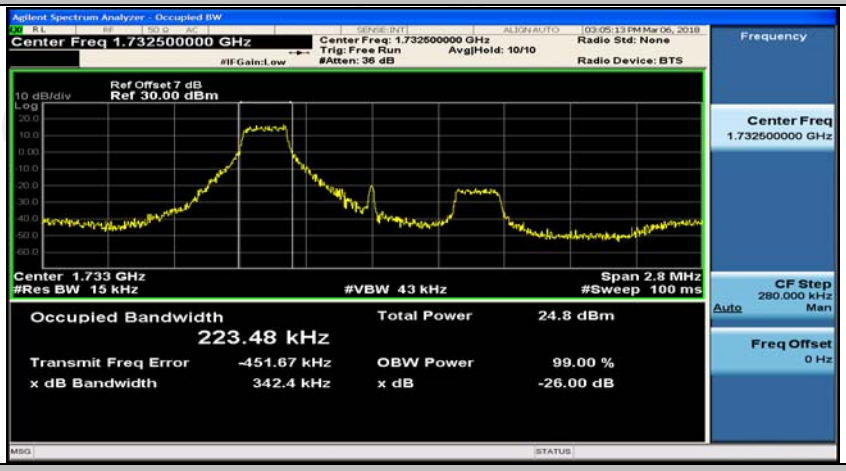
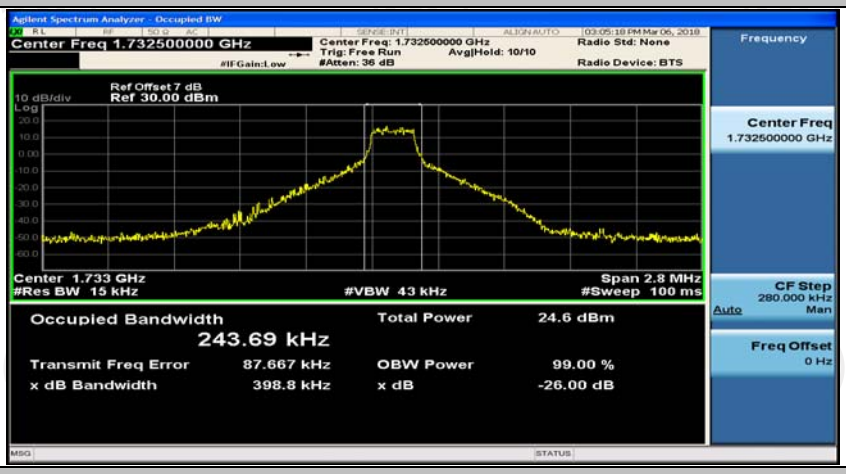


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

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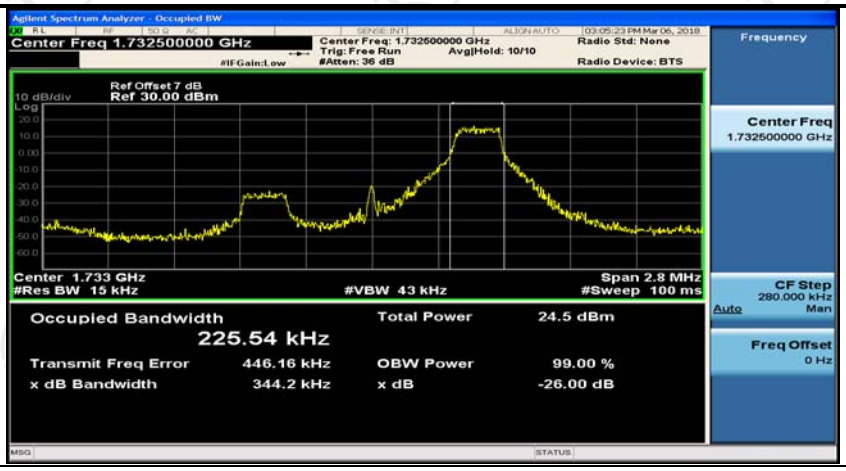
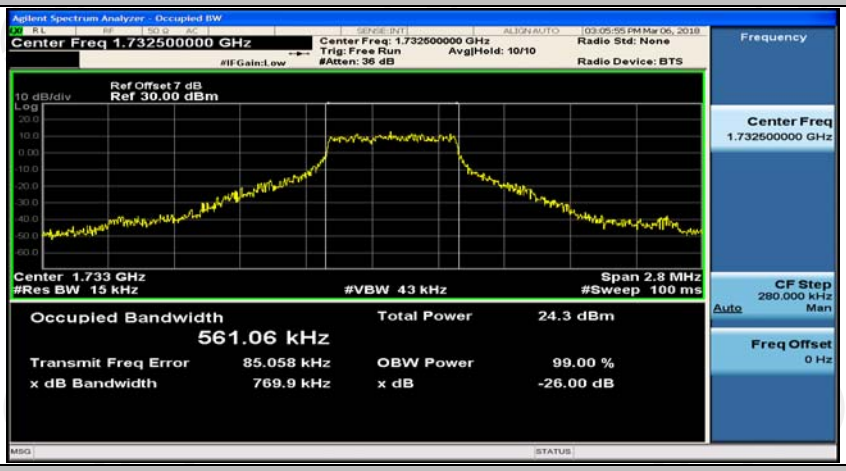
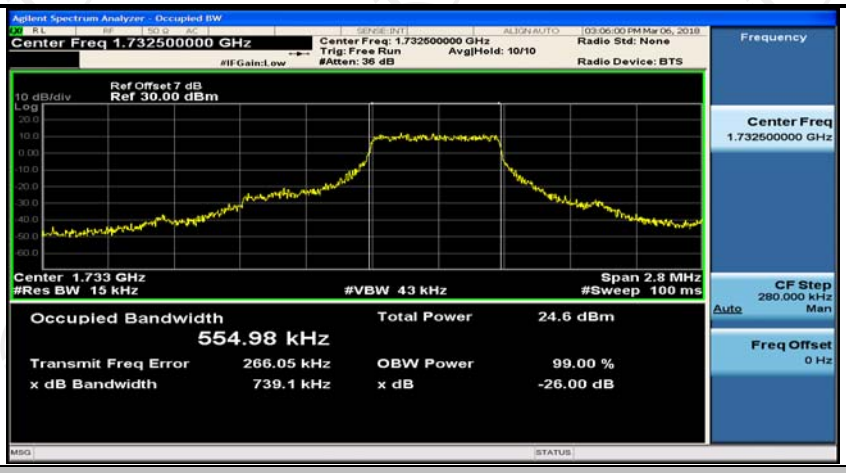


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0

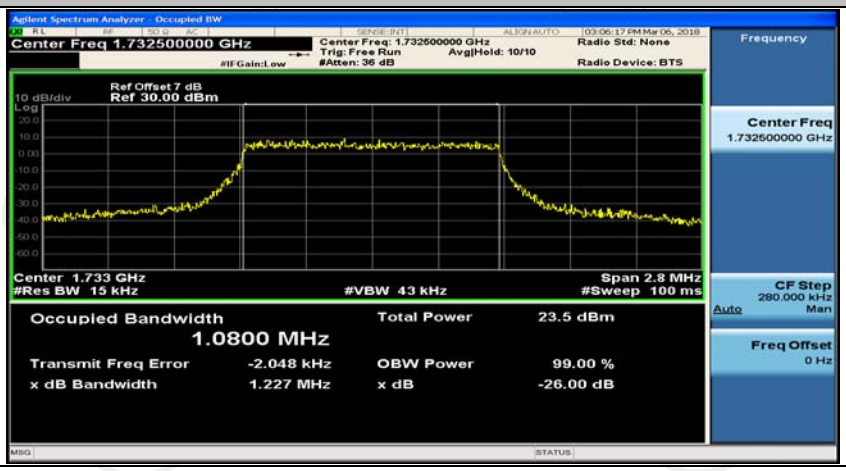
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



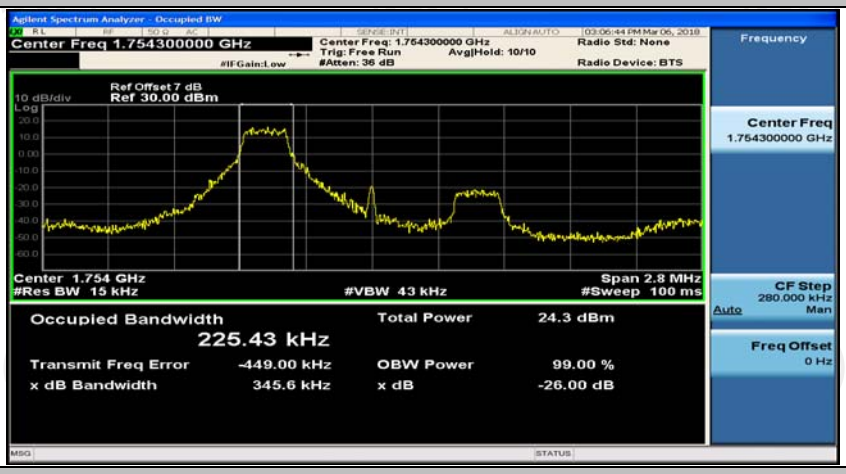
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

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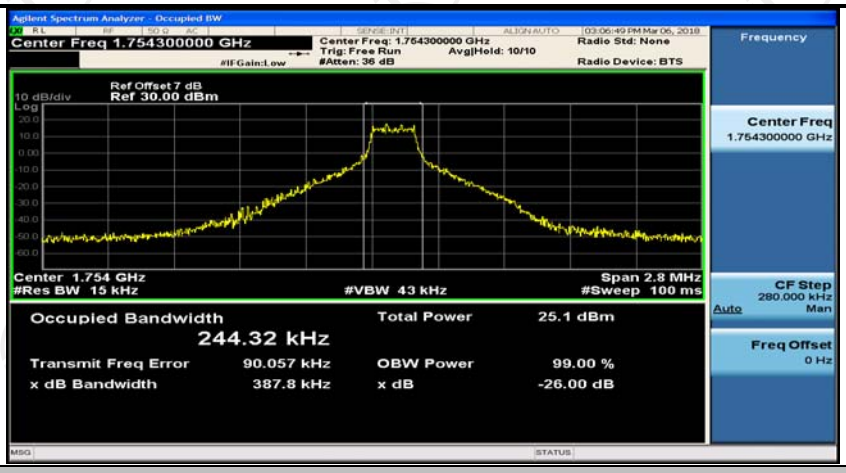

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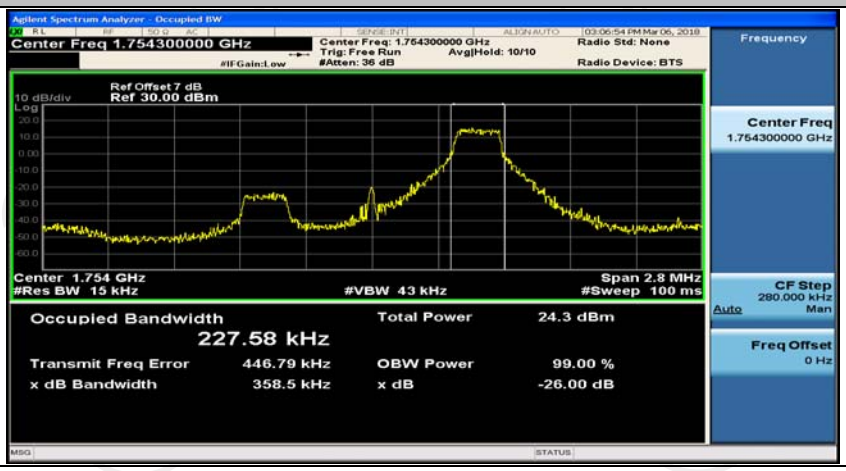
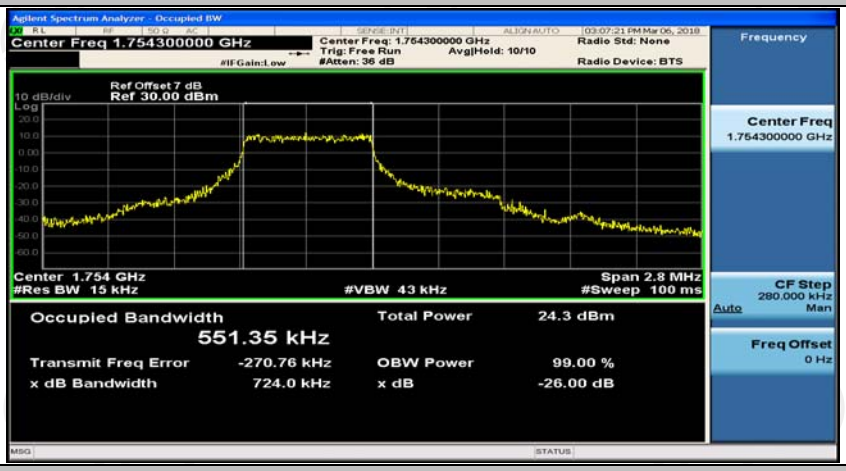
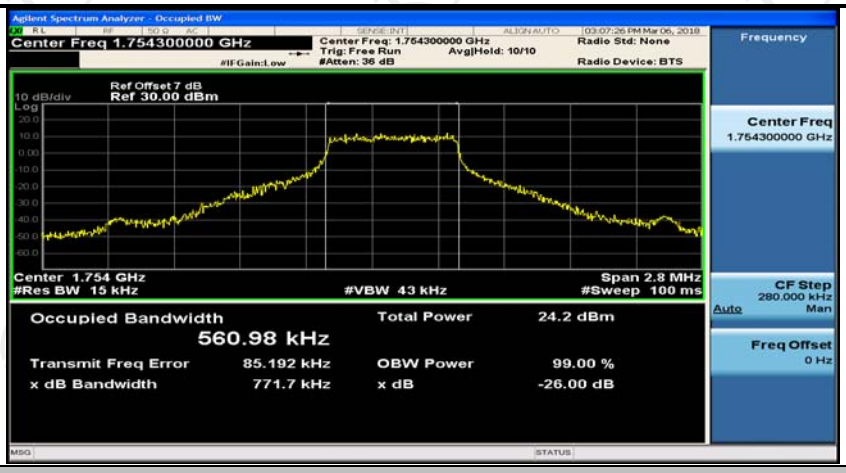


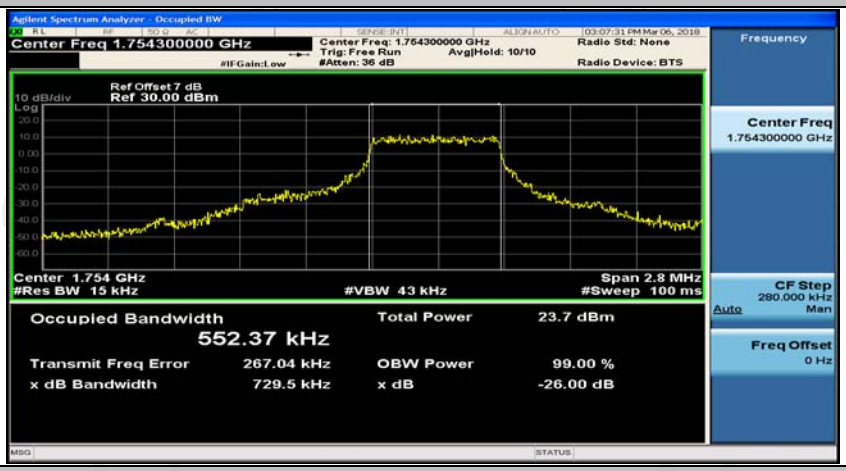
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



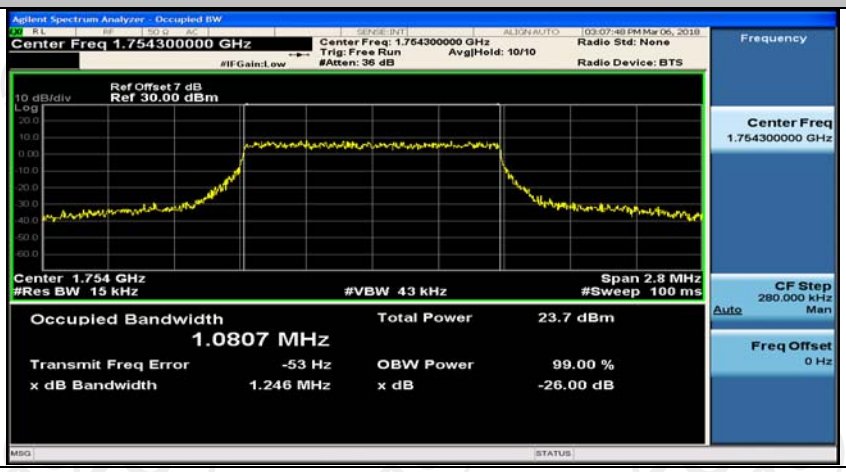
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

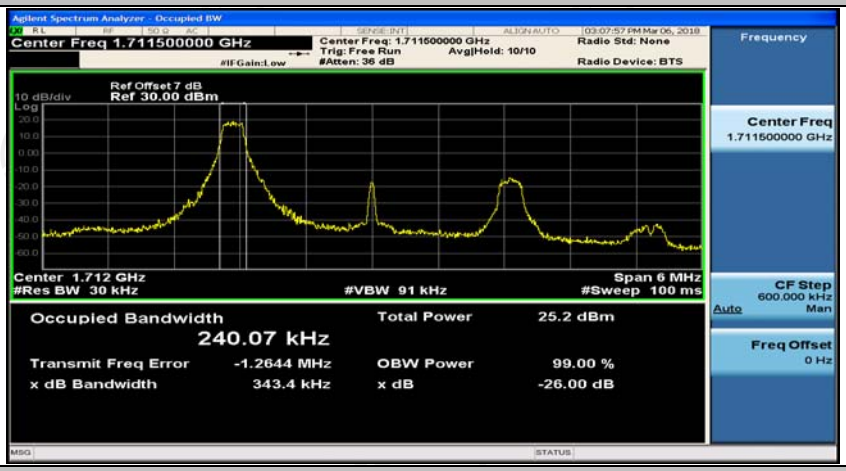


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

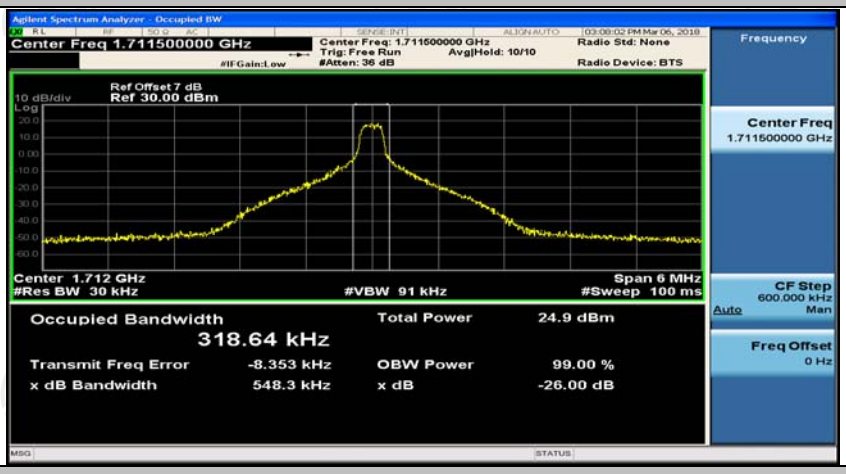


Channel Bandwidth: 3 MHz

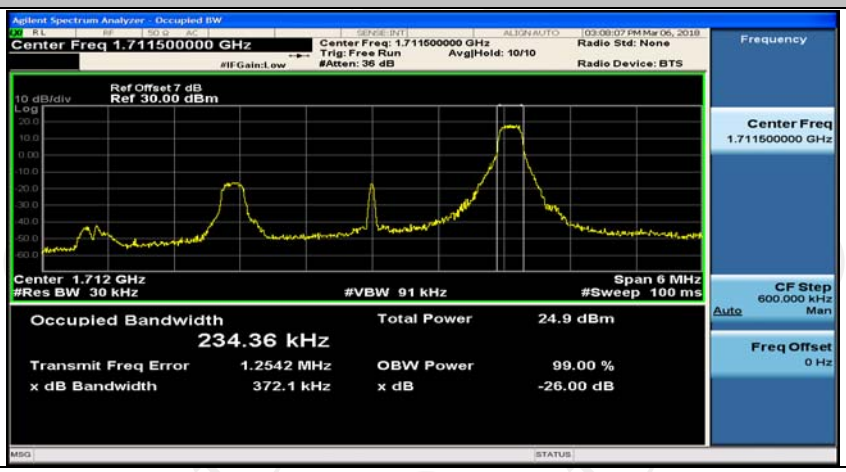
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



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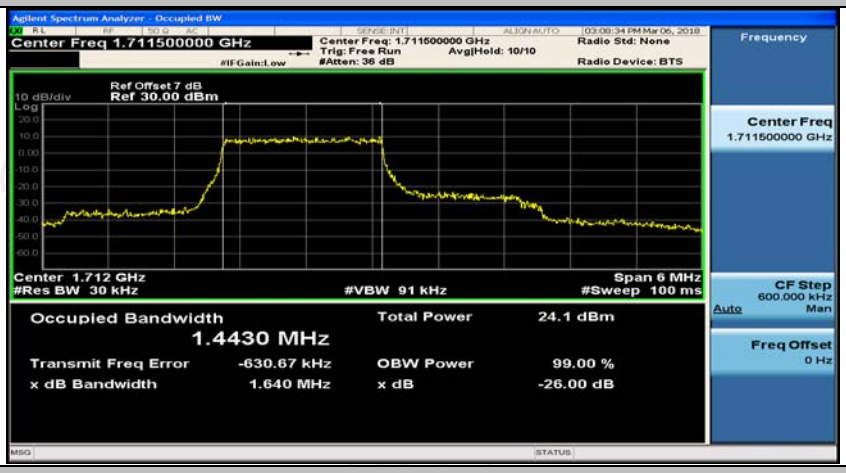
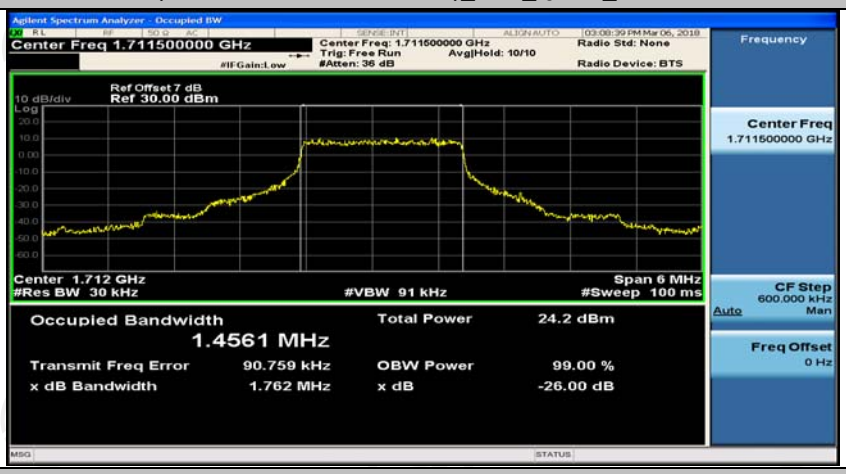
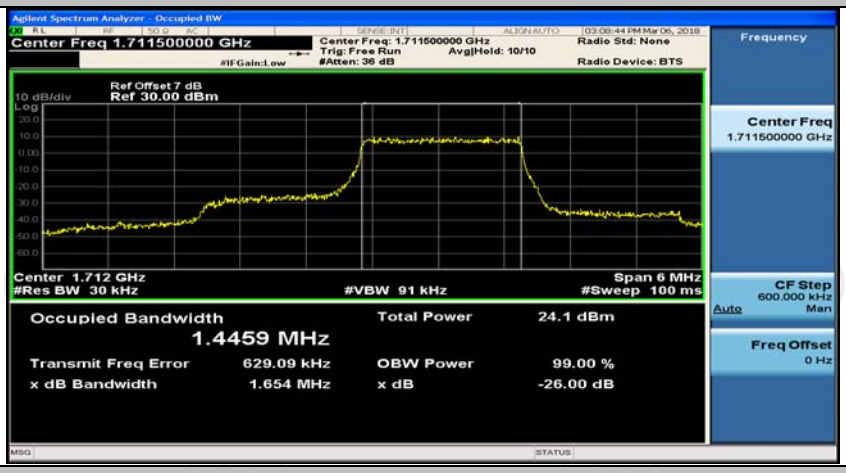
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

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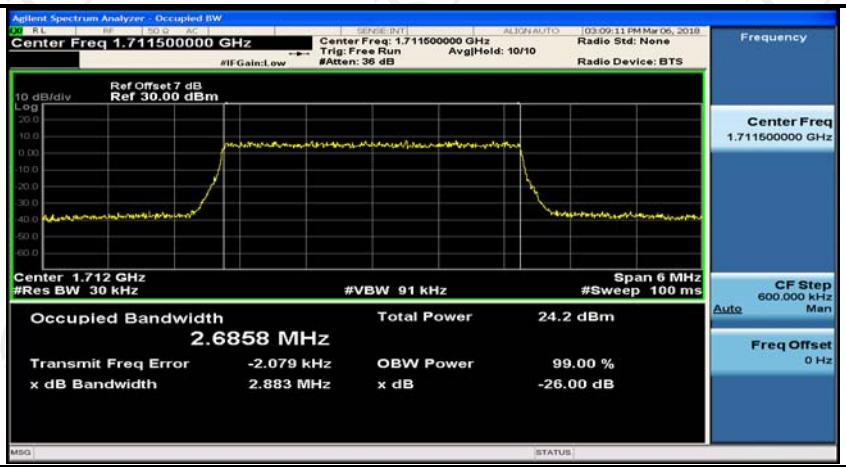
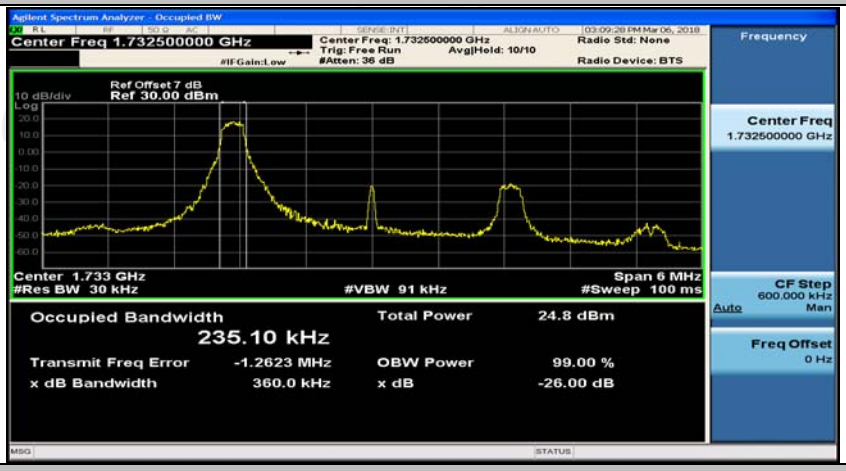
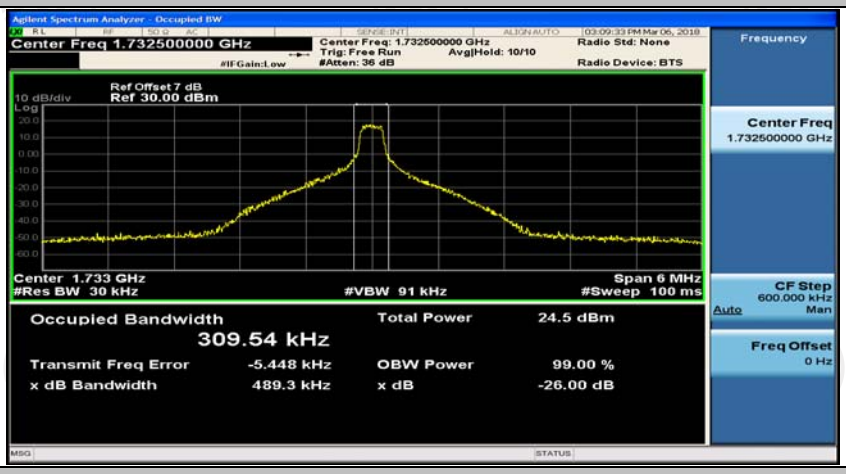


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

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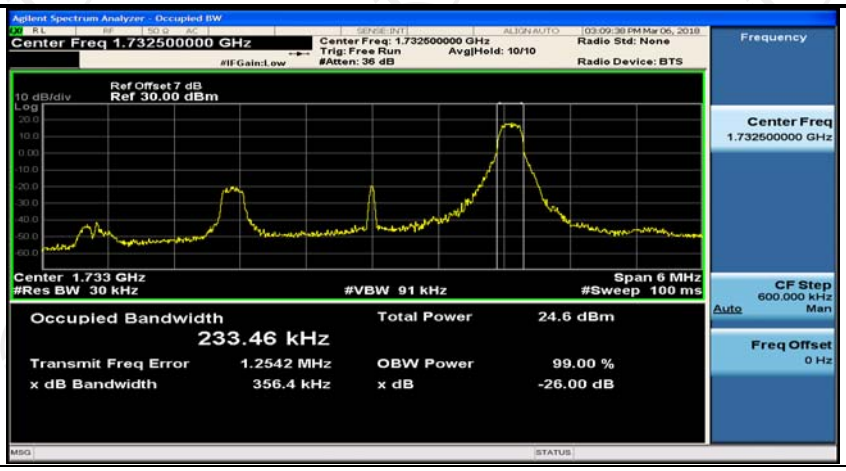
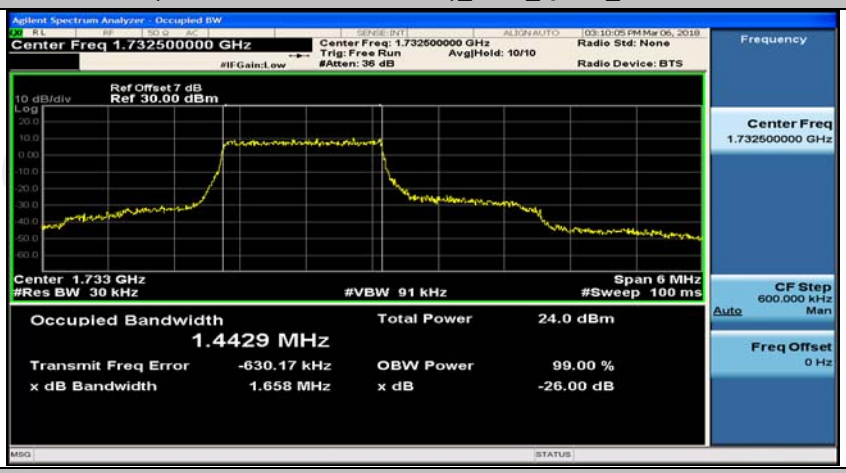
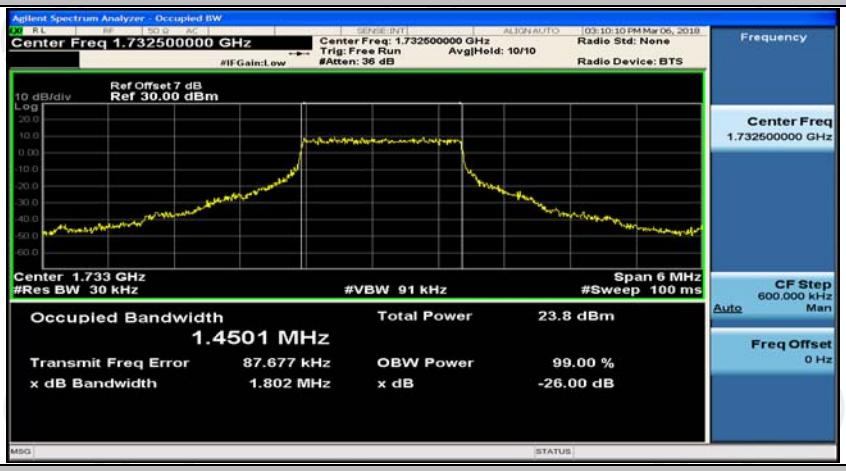


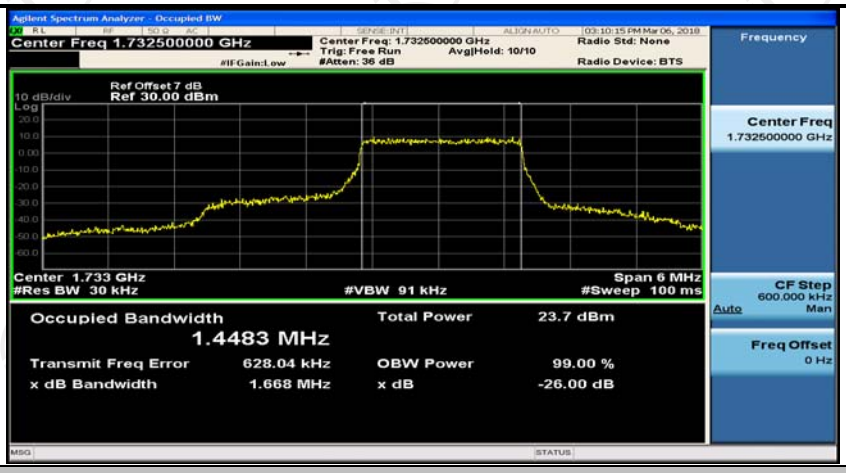
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



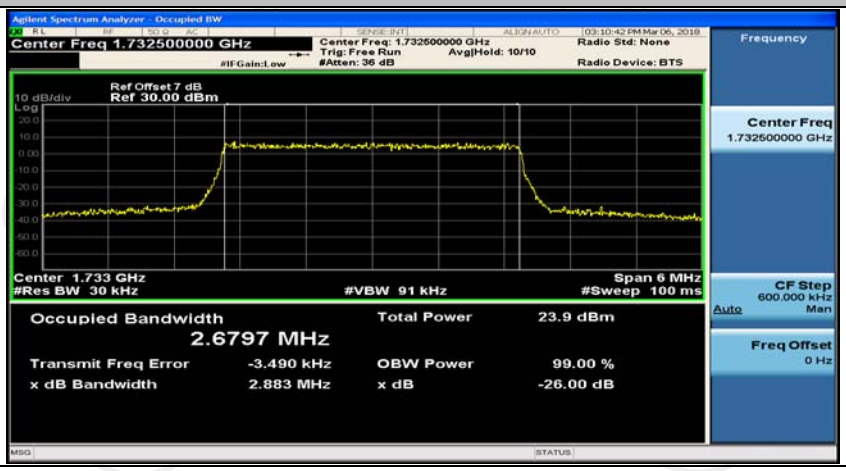
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



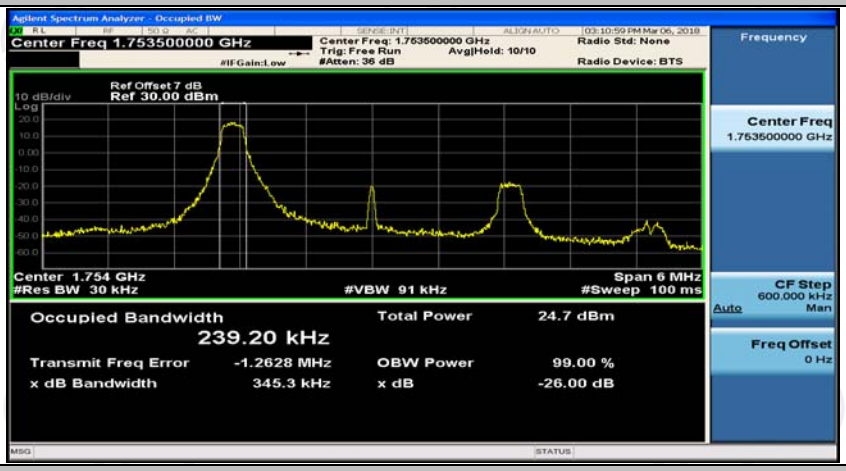
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



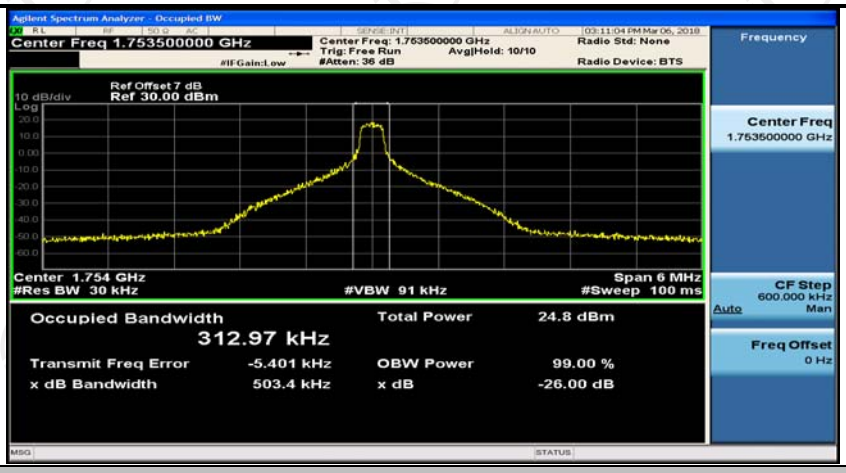
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



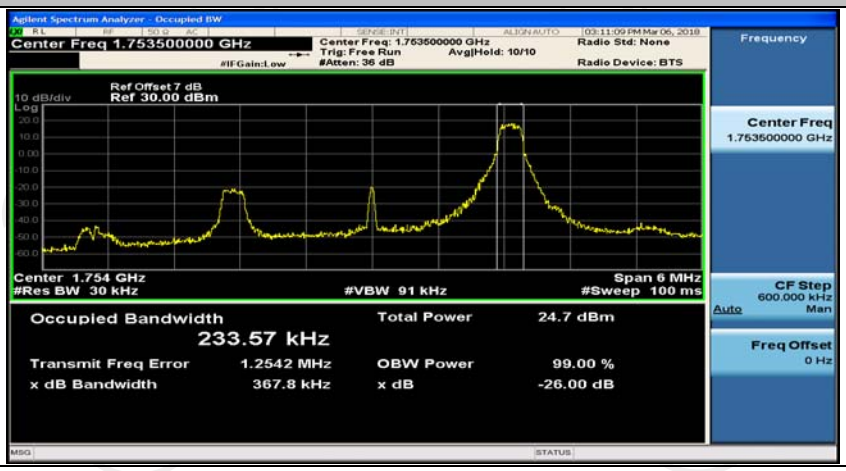
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



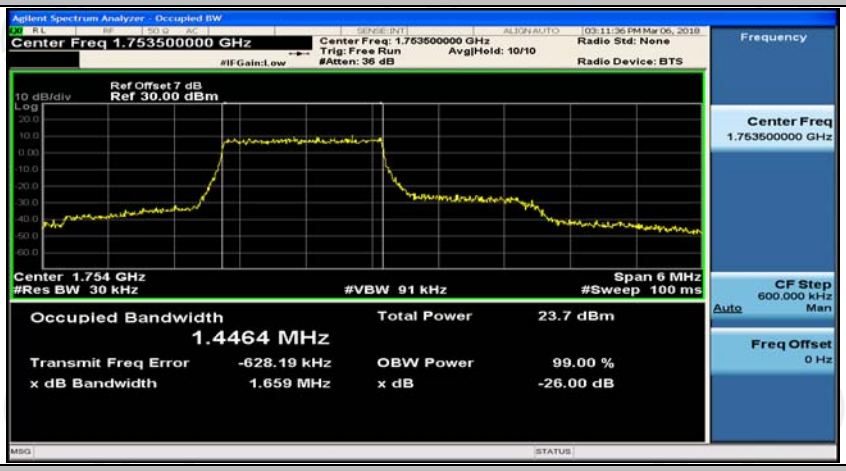
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



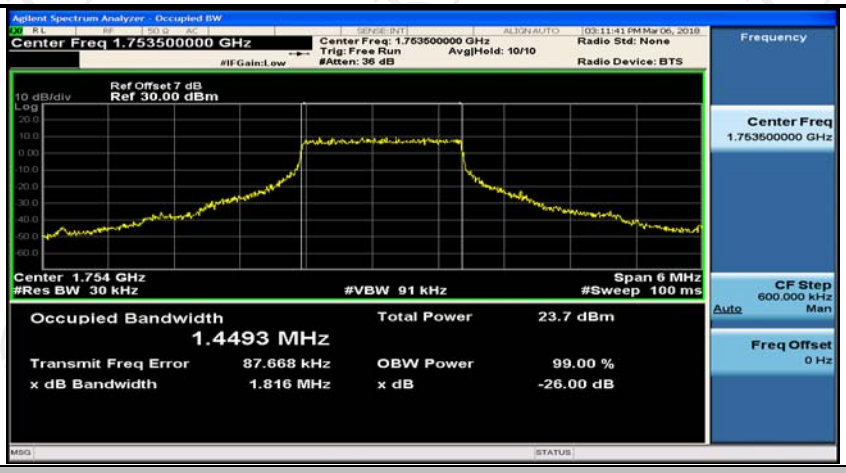
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



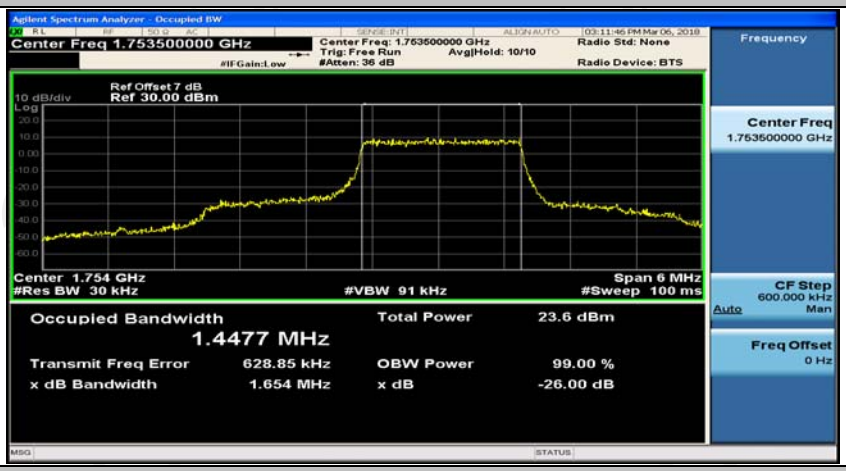
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



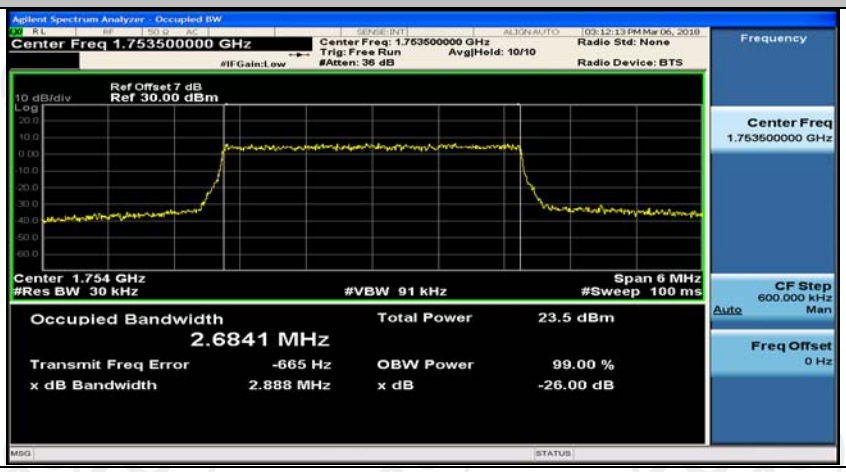
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



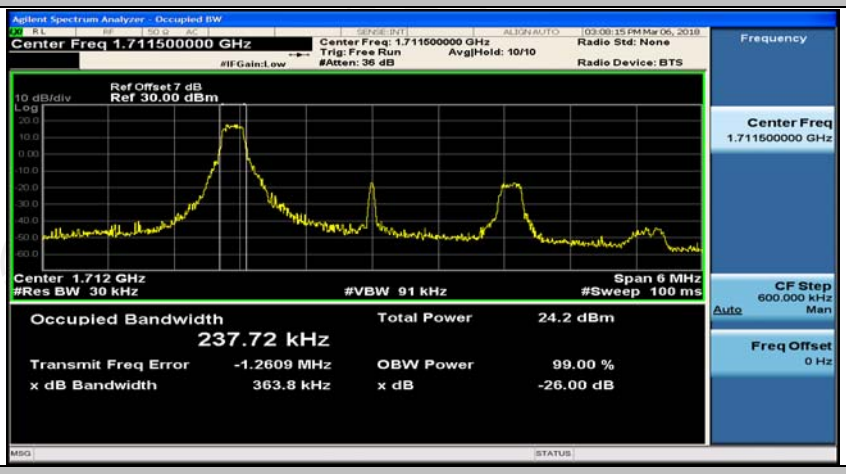
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



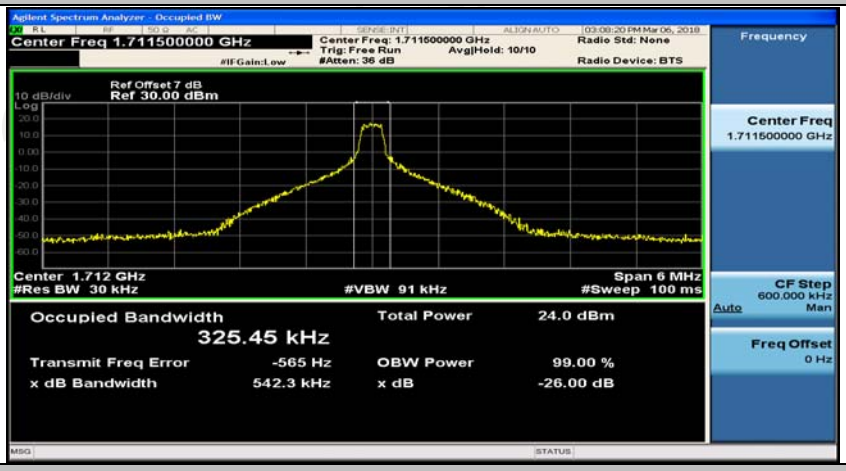
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



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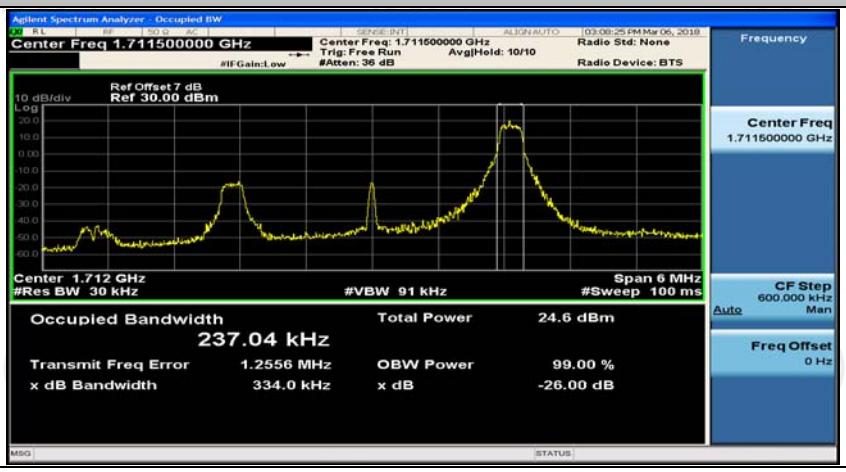

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