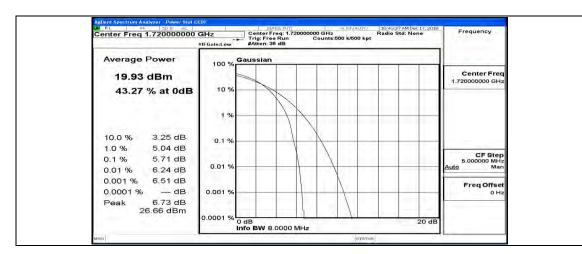
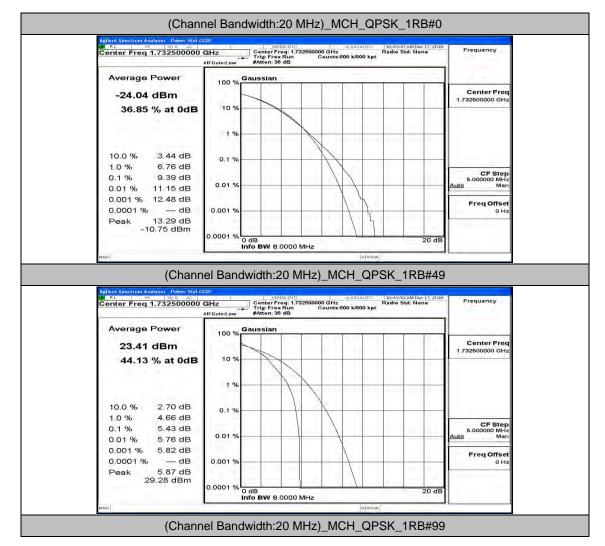
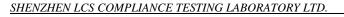
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IC: 24586-AL312

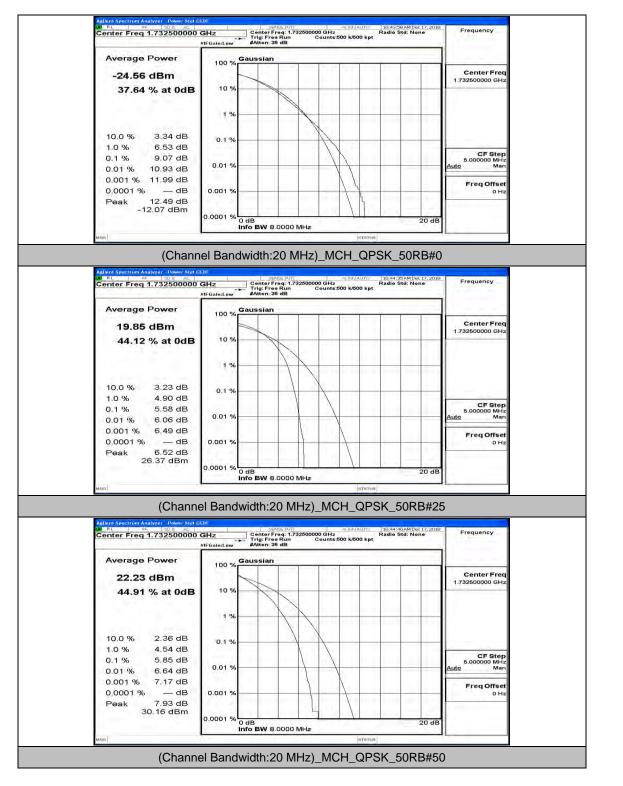




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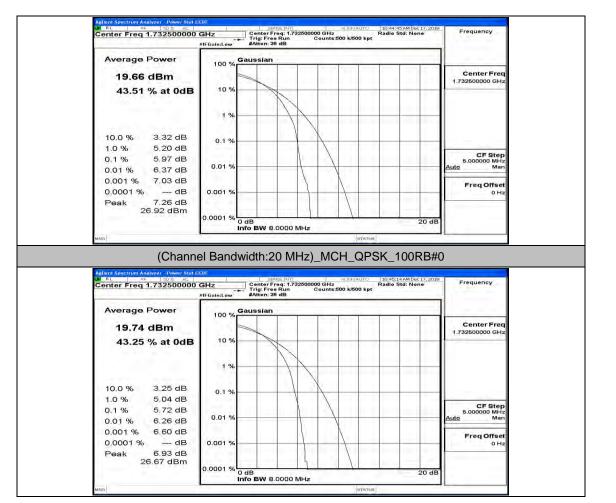
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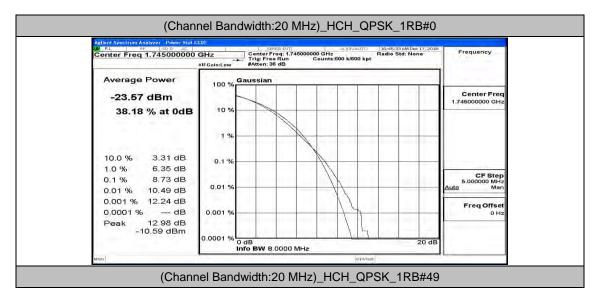


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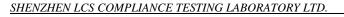
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IC: 24586-AL312

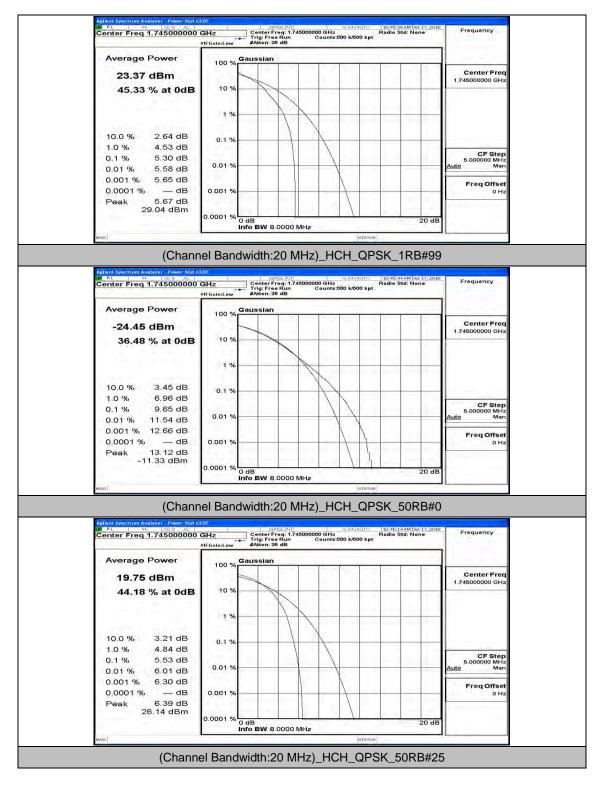




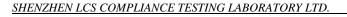
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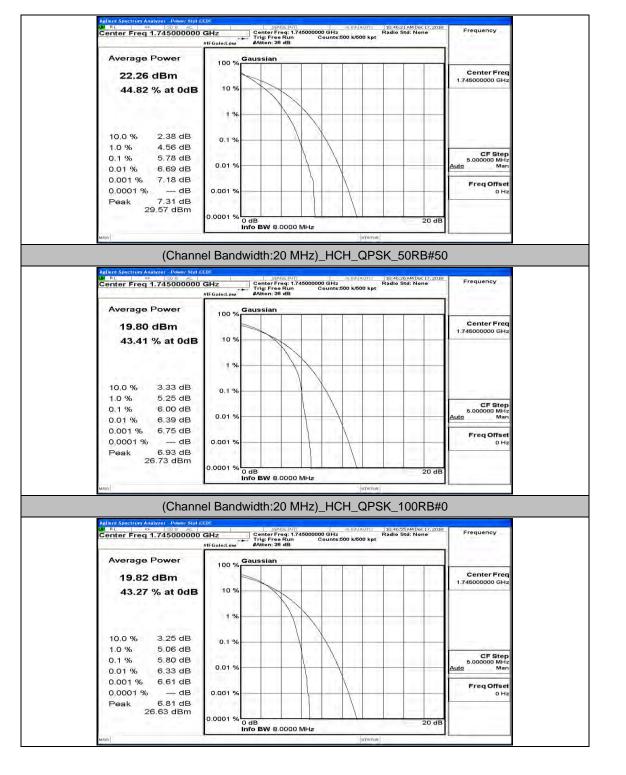
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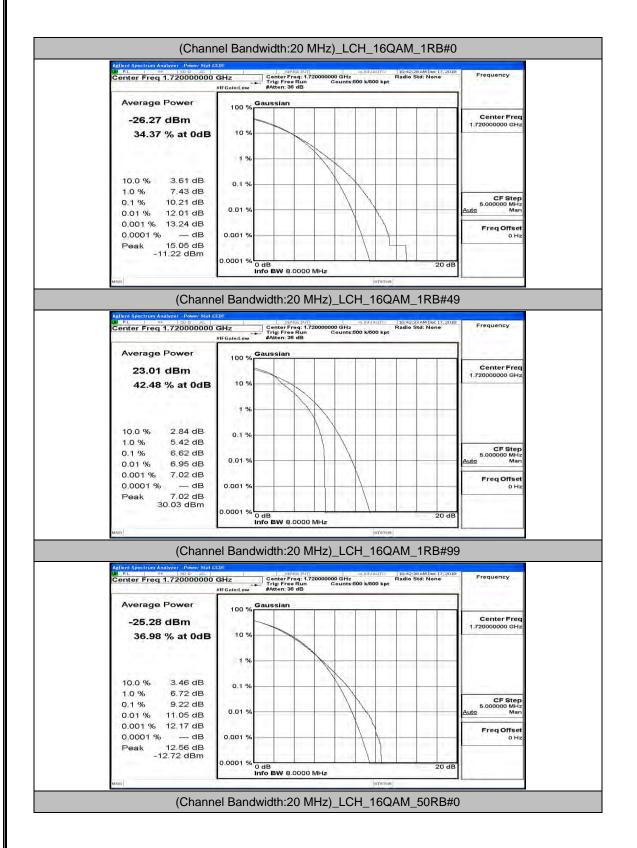
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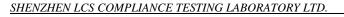
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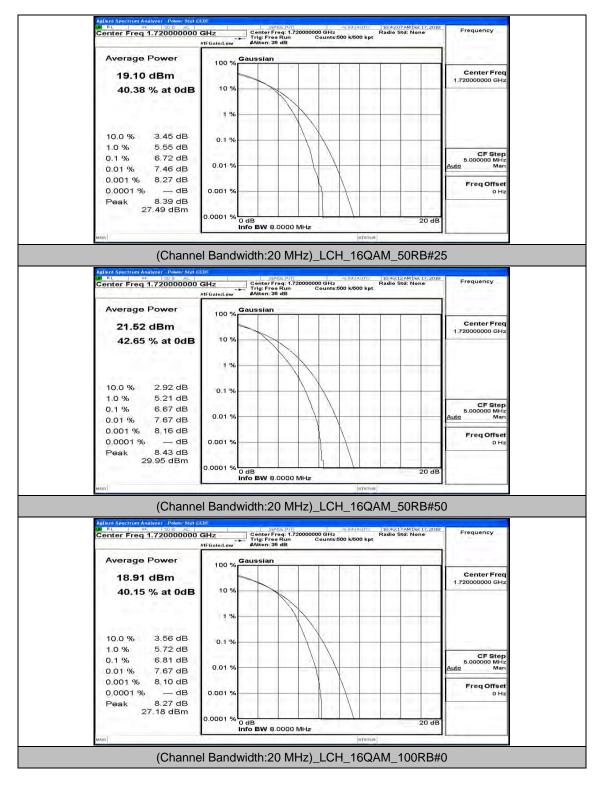
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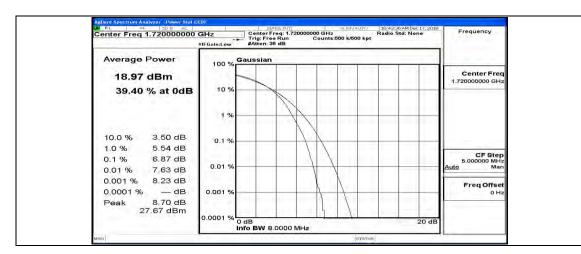
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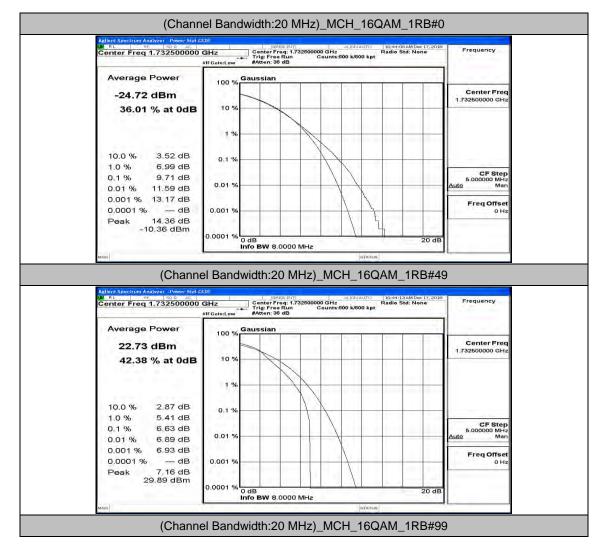


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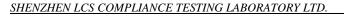
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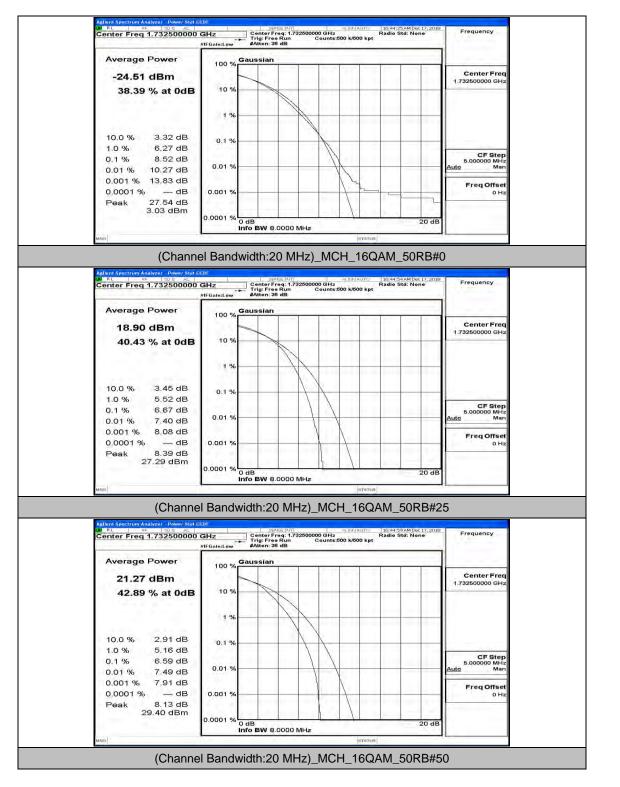




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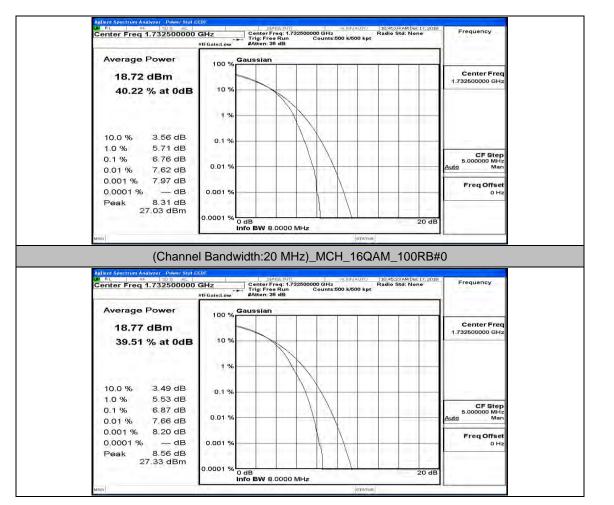
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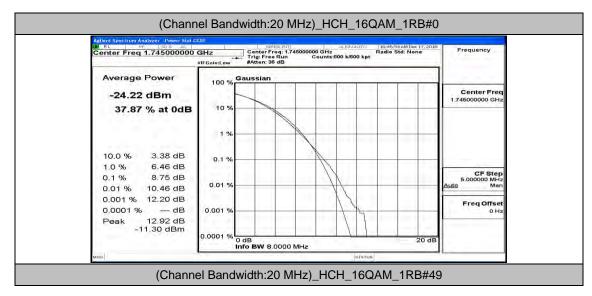


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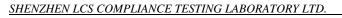
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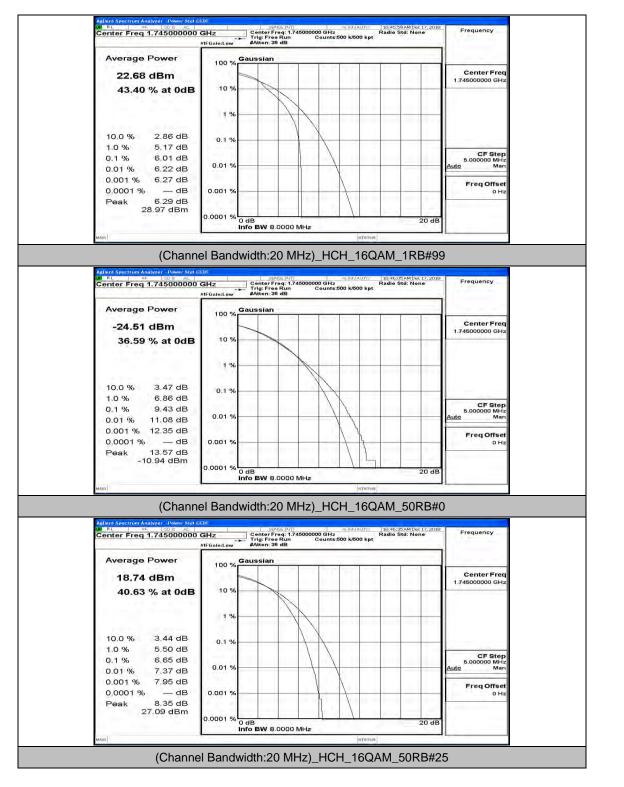




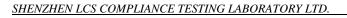
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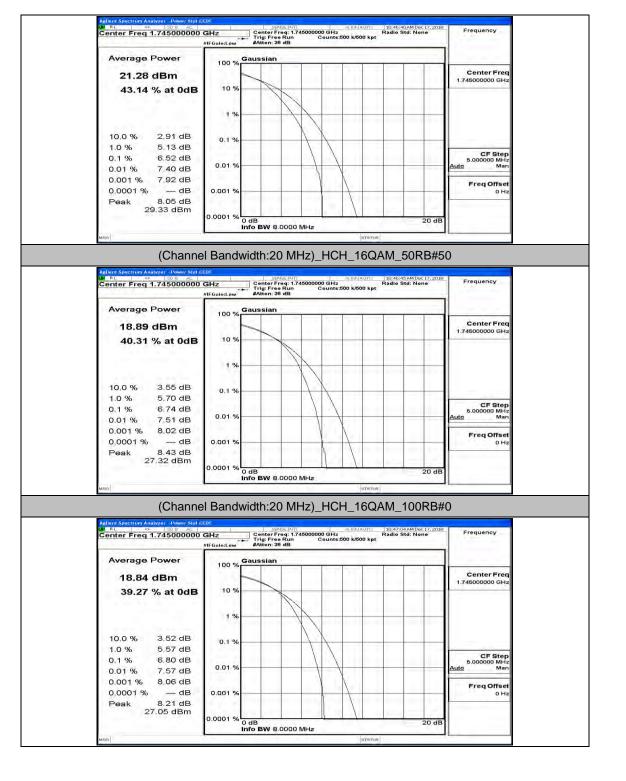
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D.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

			Channel	Bandwidth: 1.4 MHz		
Modulation	Channel	RB Conf Size	iguration Offset	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		1	0	0.23100	0.3506	PASS
		1	3	0.21791	0.3548	PASS
		1	5	0.22433	0.3436	PASS
	LCH	3	0	0.54988	0.6949	PASS
		3	2	0.55057	0.7099	PASS
		3	3	0.54936	0.7216	PASS
		6	0	1.0735	1.213	PASS
		1	0	0.22582	0.3664	PASS
		1	3	0.23283	0.3610	PASS
ODOK		1	5	0.22933	0.3516	PASS
QPSK	MCH	3	0	0.54943	0.7414	PASS
		3	2	0.55271	0.7050	PASS
		3	3	0.55161	0.7023	PASS
		6	0	1.0740	1.201	PASS
		1	0	0.22661	0.3635	PASS
		1	3	0.21767	0.3290	PASS
		1	5	0.21856	0.3425	PASS
	HCH	3	0	0.55104	0.6967	PASS
		3	2	0.54969	0.6875	PASS
		3	3	0.55520	0.7198	PASS
		6	0	1.0777	1.222	PASS
		1	0	0.23632	0.3647	PASS
		1	3	0.23560	0.3577	PASS
		1	5	0.24501	0.3640	PASS
	LCH	3	0	0.55720	0.7353	PASS
		3	2	0.55438	0.7274	PASS
		3	3	0.55623	0.7278	PASS
16QAM		6	0	1.0796	1.250	PASS
		1	0	0.22547	0.3208	PASS
		1	3	0.23338	0.3523	PASS
	МСН	1	5	0.23088	0.3574	PASS
		3	0	0.55631	0.7524	PASS
		3	2	0.55349	0.7405	PASS
		3	3	0.55443	0.7430	PASS

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	-		-	-	
	6	0	1.0774	1.213	PASS
	1	0	0.22757	0.3655	PASS
	1	3	0.23730	0.3900	PASS
	1	5	0.22993	0.3792	PASS
HCH	3	0	0.55024	0.7329	PASS
	3	2	0.54987	0.7286	PASS
	3	3	0.54832	0.7078	PASS
	6	0	1.0741	1.210	PASS

Channel Bandwidth: 3 MHz

	Channel Bandwidth: 3 MHz								
Modulation	Channel	RB Conf Size	iguration Offset	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict			
		1	0	0.25834	0.4085	PASS			
		1	7	0.26151	0.4537	PASS			
		1	14	0.26262	0.3958	PASS			
	LCH	8	0	1.4474	1.635	PASS			
		8	4	1.4464	1.660	PASS			
		8	7	1.4435	1.624	PASS			
		15	0	2.6817	2.822	PASS			
		1	0	0.25611	0.4091	PASS			
		1	7	0.26102	0.4247	PASS			
QPSK		1	14	0.25997	0.3906	PASS			
QFON	MCH	8	0	1.4411	1.636	PASS			
		8	4	1.4440	1.652	PASS			
		8	7	1.4406	1.630	PASS			
		15	0	2.6791	2.820	PASS			
		1	0	0.25603	0.3877	PASS			
		1	7	0.25525	0.4217	PASS			
		1	14	0.25701	0.4022	PASS			
	HCH	8	0	1.4465	1.657	PASS			
		8	4	1.4464	1.676	PASS			
		8	7	1.4436	1.630	PASS			
		15	0	2.6787	2.834	PASS			
		1	0	0.26198	0.4173	PASS			
		1	7	0.26894	0.4399	PASS			
16QAM	LCH	1	14	0.26549	0.3869	PASS			
	LOIT	8	0	1.4422	1.656	PASS			
		8	4	1.4453	1.692	PASS			
		8	7	1.4425	1.657	PASS			

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		15	0	2.6775	2.822	PASS
		1	0	0.26896	0.4087	PASS
		1	7	0.26872	0.4718	PASS
		1	14	0.26311	0.4079	PASS
	MCH	8	0	1.4455	1.669	PASS
		8	4	1.4430	1.669	PASS
		8	7	1.4425	1.643	PASS
		15	0	2.6784	2.819	PASS
		1	0	0.25373	0.3782	PASS
		1	7	0.26743	0.4345	PASS
		1	14	0.26408	0.3998	PASS
	НСН	8	0	1.4416	1.604	PASS
		8	4	1.4428	1.702	PASS
		8	7	1.4394	1.611	PASS
		15	0	2.6866	2.835	PASS

Channel Bandwidth: 5 MHz

			Channe	I Bandwidth: 5 MHz		
		RB Con	figuration	Occupied	26dB Bandwidth	
Modulation Channel	Channel	Size	Offset	Bandwidth	(MHz)	Verdict
				(MHz)	()	
		1	0	0.32146	0.5414	PASS
		1	12	0.34563	0.5738	PASS
		1	24	0.32984	0.5298	PASS
	LCH	12	0	2.1729	2.536	PASS
		12	6	2.1786	2.560	PASS
		12	13	2.1796	2.598	PASS
		25	0	4.4727	4.812	PASS
		1	0	0.33892	0.5645	PASS
		1	12	0.34190	0.5714	PASS
QPSK		1	24	0.33232	0.5532	PASS
	MCH	12	0	2.1706	2.540	PASS
		12	6	2.1758	2.551	PASS
		12	13	2.1831	2.549	PASS
		25	0	4.4795	4.847	PASS
		1	0	0.34857	0.5773	PASS
		1	12	0.35831	0.6008	PASS
	ЦСЦ	1	24	0.33403	0.5594	PASS
НСН	псп	12	0	2.1796	2.581	PASS
		12	6	2.1768	2.600	PASS
		12	13	2.1775	2.587	PASS

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		1	1	ſ	ſ	
		25	0	4.4750	4.870	PASS
		1	0	0.33853	0.5473	PASS
		1	12	0.33899	0.5584	PASS
		1	24	0.33485	0.5304	PASS
	LCH	12	0	2.1770	2.589	PASS
		12	6	2.1778	2.592	PASS
		12	13	2.1743	2.596	PASS
		25	0	4.4777	4.856	PASS
		1	0	0.34234	0.5484	PASS
		1	12	0.36312	0.6216	PASS
		1	24	0.34746	0.5725	PASS
16QAM	MCH	12	0	2.1764	2.603	PASS
		12	6	2.1758	2.605	PASS
		12	13	2.1693	2.524	PASS
		25	0	4.4719	4.878	PASS
		1	0	0.36104	0.5651	PASS
		1	12	0.37398	0.6124	PASS
		1	24	0.34537	0.5962	PASS
	НСН	12	0	2.1789	2.595	PASS
		12	6	2.1778	2.568	PASS
		12	13	2.1782	2.552	PASS
		25	0	4.4812	4.855	PASS

Channel Bandwidth: 10 MHz

			Channel	Bandwidth: 10 MHz		
Modulation	Channel	RB Conf Size	iguration Offset	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		1	0	0.43214	0.6745	PASS
		1	25	0.45826	0.7266	PASS
		1	49	0.43469	0.6923	PASS
	LCH	25	0	4.5079	5.025	PASS
		25	12	4.5200	4.986	PASS
		25	25	4.5081	5.038	PASS
QPSK		50	0	8.9398	9.619	PASS
QFSK		1	0	0.42107	0.6543	PASS
		1	25	0.43827	0.6805	PASS
		1	49	0.42443	0.7113	PASS
	MCH	25	0	4.5256	4.979	PASS
		25	12	4.5071	5.069	PASS
		25	25	4.5147	5.052	PASS
		50	0	8.9475	9.424	PASS
	HCH	1	0	0.42121	0.6605	PASS

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		1	1	ſ	1	1
		1	25	0.44654	0.6634	PASS
		1	49	0.42253	0.6660	PASS
		25	0	4.5020	5.065	PASS
		25	12	4.5125	4.960	PASS
		25	25	4.5133	5.030	PASS
		50	0	8.9354	9.514	PASS
		1	0	0.42910	0.6482	PASS
		1	25	0.45063	0.7177	PASS
		1	49	0.43954	0.6039	PASS
	LCH	25	0	4.5082	5.038	PASS
		25	12	4.5061	4.984	PASS
		25	25	4.5097	4.966	PASS
		50	0	8.9470	9.614	PASS
		1	0	0.43658	0.6543	PASS
		1	25	0.44513	0.7448	PASS
		1	49	0.44657	0.6875	PASS
16QAM	MCH	25	0	4.5278	5.069	PASS
		25	12	4.5208	5.083	PASS
		25	25	4.5023	5.060	PASS
		50	0	8.9485	9.555	PASS
		1	0	0.43527	0.6812	PASS
		1	25	0.43480	0.6603	PASS
		1	49	0.42007	0.6601	PASS
	HCH	25	0	4.5060	5.065	PASS
		25	12	4.5191	5.150	PASS
		25	25	4.5159	5.006	PASS
		50	0	8.9395	9.475	PASS

Channel Bandwidth: 15 MHz

	Channel Bandwidth: 15 MHz									
		RB Conf	iguration	Occupied	26dB Bandwidth (MHz)	Verdict				
Modulation Channel	Channel	Size	Offset	Bandwidth (MHz)						
		1	0	0.53858	0.8412	PASS				
		1	37	0.52450	0.7858	PASS				
		1	74	0.51543	0.8208	PASS				
QPSK	LCH	37	0	6.5009	7.095	PASS				
QPSN		37	18	6.4895	7.236	PASS				
		37	38	6.4903	7.076	PASS				
	75	0	13.409	14.18	PASS					
	МСН	1	0	0.53472	0.8232	PASS				
		1	37	0.53295	0.7808	PASS				

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	n	•	•	1		
		1	74	0.51322	0.7876	PASS
		37	0	6.4911	7.120	PASS
		37	18	6.4976	7.135	PASS
		37	38	6.4907	7.192	PASS
		75	0	13.411	13.97	PASS
		1	0	0.53623	0.8430	PASS
		1	37	0.53298	0.7858	PASS
		1	74	0.52839	0.8429	PASS
	НСН	37	0	6.4859	7.140	PASS
		37	18	6.4922	7.168	PASS
		37	38	6.4930	7.130	PASS
		75	0	13.403	14.15	PASS
		1	0	0.54977	0.8033	PASS
		1	37	0.54809	0.7848	PASS
		1	74	0.54480	0.7525	PASS
	LCH	37	0	6.4903	7.199	PASS
		37	18	6.4930	7.180	PASS
		37	38	6.4975	7.234	PASS
		75	0	13.403	14.09	PASS
		1	0	0.53218	0.7696	PASS
		1	37	0.51870	0.7727	PASS
		1	74	0.52206	0.7618	PASS
16QAM	МСН	37	0	6.4914	7.186	PASS
		37	18	6.4867	7.085	PASS
		37	38	6.4942	7.148	PASS
		75	0	13.404	14.18	PASS
		1	0	0.53481	0.8074	PASS
		1	37	0.51196	0.7472	PASS
		1	74	0.52455	0.7246	PASS
	НСН	37	0	6.4967	7.245	PASS
		37	18	6.4834	7.212	PASS
		37	38	6.4789	7.150	PASS
		75	0	13.411	14.08	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz									
		RB Configuration		Occupied	26dB Bandwidth				
Modulation	Channel	Size	Offset	Bandwidth	(MHz)	Verdict			
		Size	Onset	(MHz)	(101112)				
QPSK		1	0	0.59982	0.8835	PASS			
Qr3N	LCH	1	50	0.62245	0.9295	PASS			
		1	99	0.61402	0.8897	PASS			

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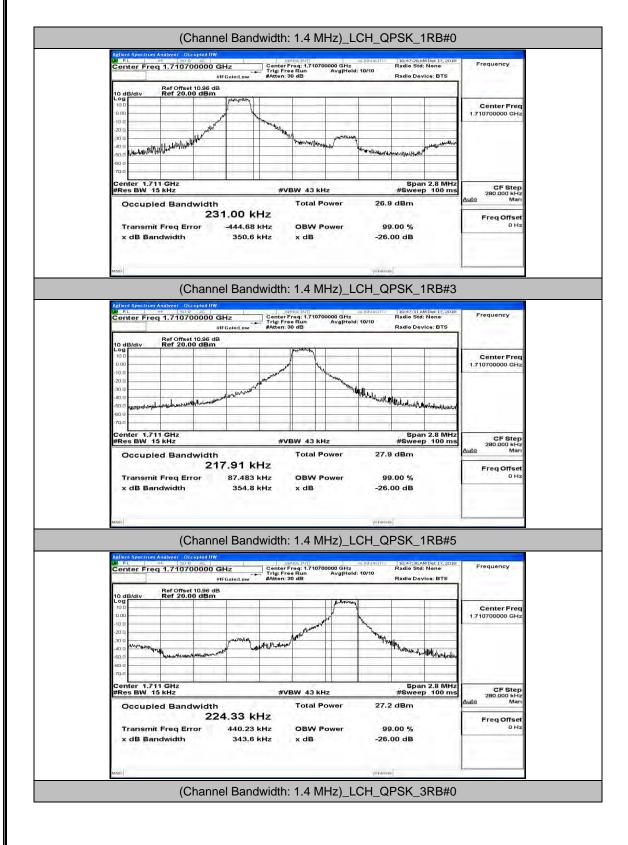
		50	0	9.0080	9.745	PASS
		50	25	9.0047	9.687	PASS
		50	50	8.9950	9.663	PASS
		100	0	17.858	18.70	PASS
		1	0	0.60718	0.8873	PASS
		1	50	0.59695	0.8771	PASS
		1	99	0.61393	0.8870	PASS
	MCH	50	0	8.9992	9.780	PASS
		50	25	9.0004	9.750	PASS
		50	50	8.9777	9.674	PASS
		100	0	17.850	18.66	PASS
		1	0	0.59417	0.8580	PASS
		1	50	0.61709	0.8840	PASS
		1	99	0.60849	0.8727	PASS
	НСН	50	0	8.9943	9.606	PASS
		50	25	8.9955	9.628	PASS
		50	50	8.9800	9.621	PASS
		100	0	17.848	18.65	PASS
		1	0	0.61783	0.8436	PASS
		1	50	0.60618	0.8846	PASS
		1	99	0.60757	0.8374	PASS
	LCH	50	0	8.9954	9.778	PASS
		50	25	8.9926	9.730	PASS
		50	50	8.9912	9.752	PASS
		100	0	17.877	18.65	PASS
		1	0	0.58779	0.8245	PASS
		1	50	0.61131	0.9039	PASS
		1	99	0.59308	0.8887	PASS
16QAM	MCH	50	0	9.0032	9.755	PASS
		50	25	8.9893	9.721	PASS
		50	50	8.9847	9.659	PASS
		100	0	17.854	18.66	PASS
		1	0	0.59631	0.0000	PASS
		1	50	0.59383	0.8965	PASS
		1	99	0.58687	0.8488	PASS
	НСН	50	0	8.9808	9.691	PASS
		50	25	8.9859	9.853	PASS
		50	50	8.9852	9.768	PASS
		100	0	17.824	18.57	PASS

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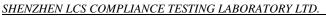
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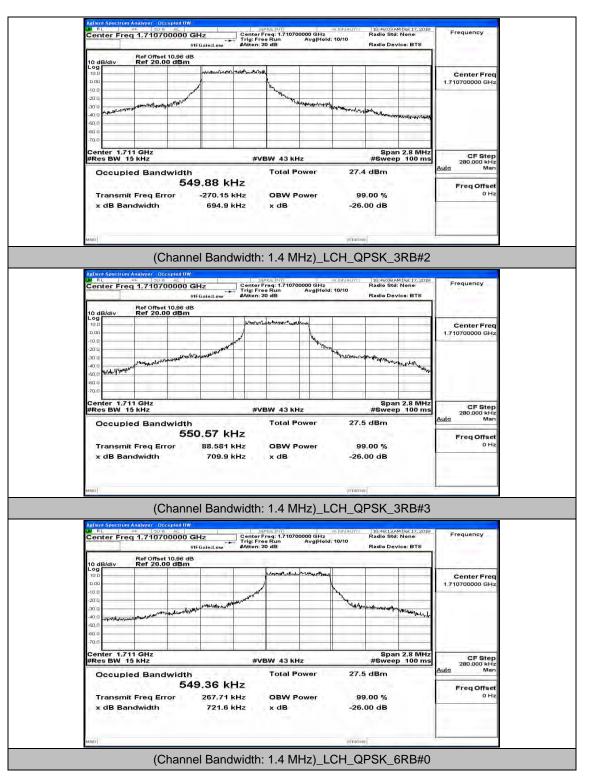
Test Graphs

Channel Bandwidth: 1.4 MHz



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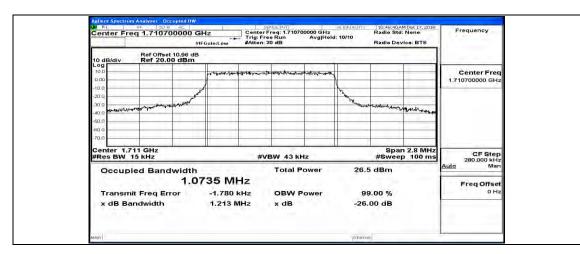


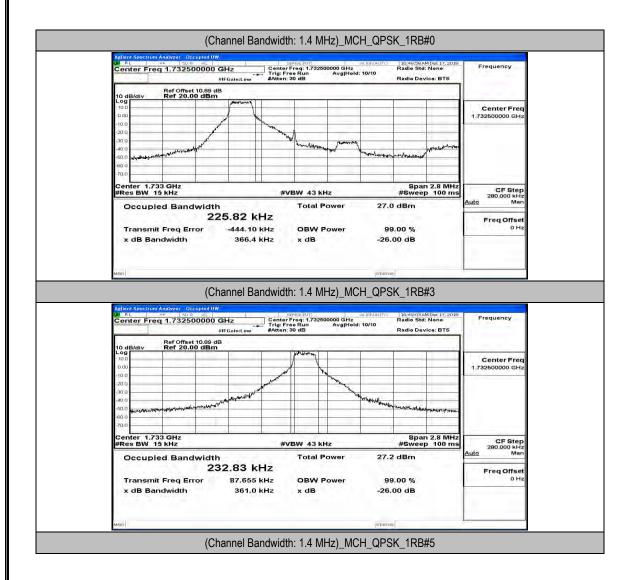


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FCC ID: 2ARY4-AL312

IC: 24586-AL312

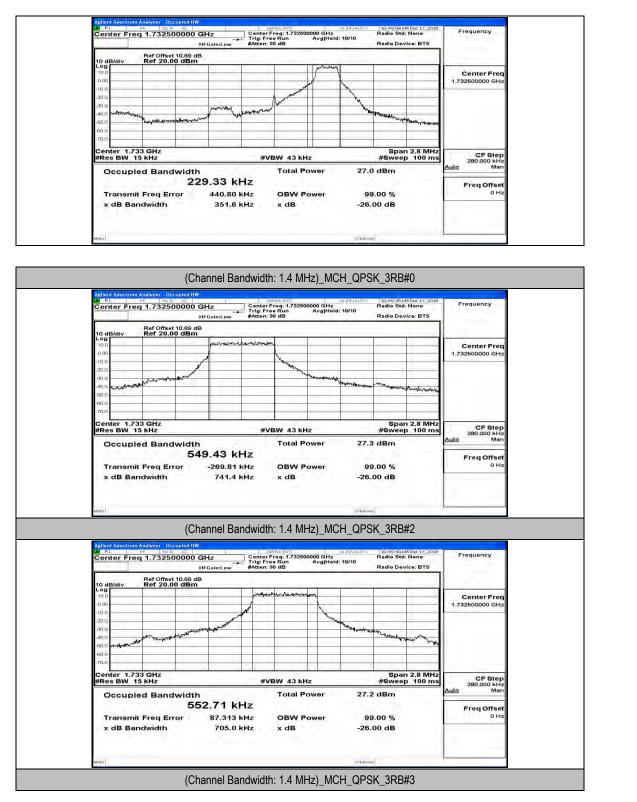




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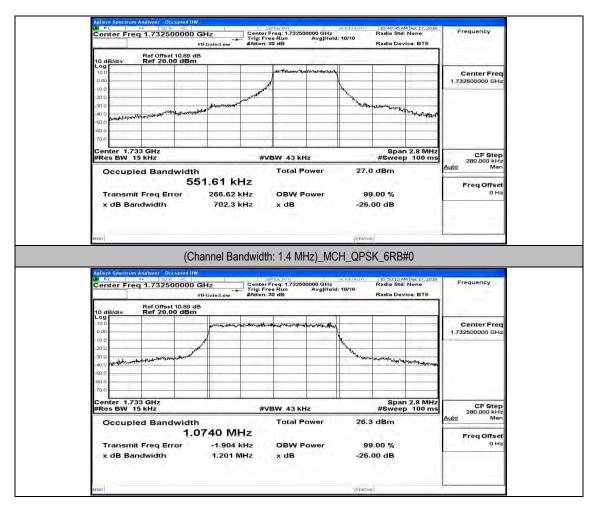
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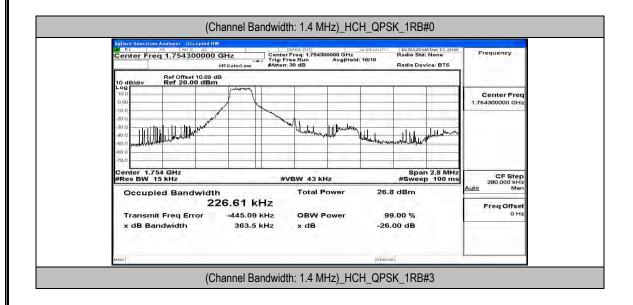
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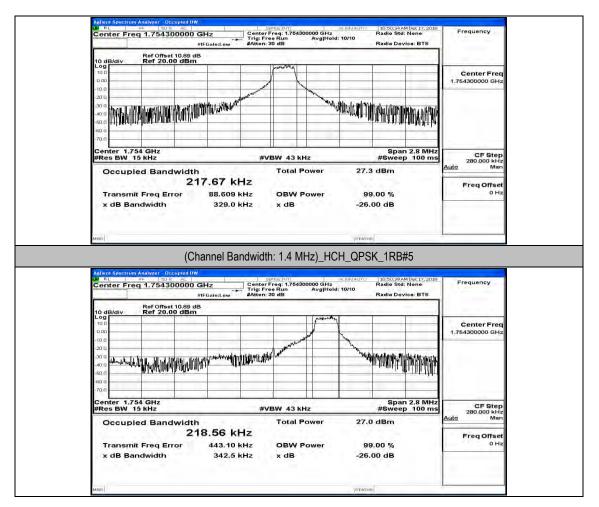


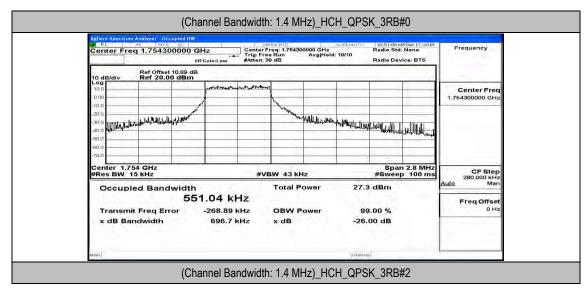


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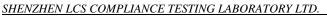


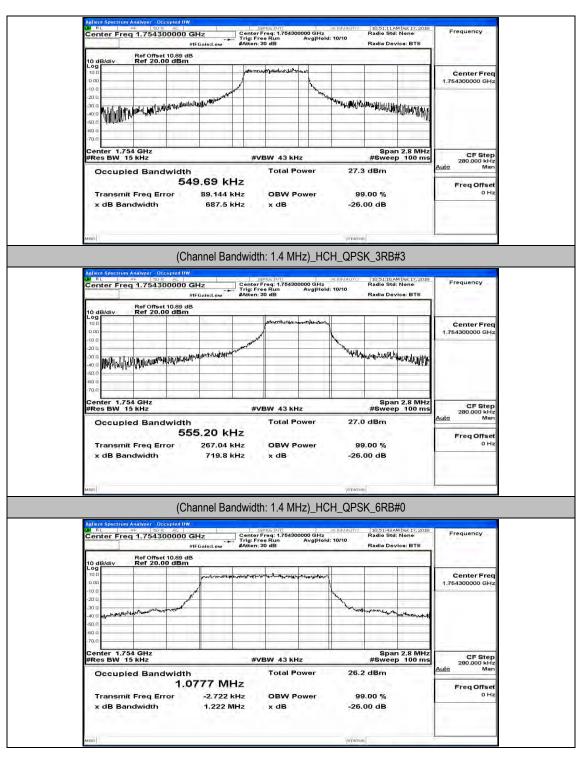
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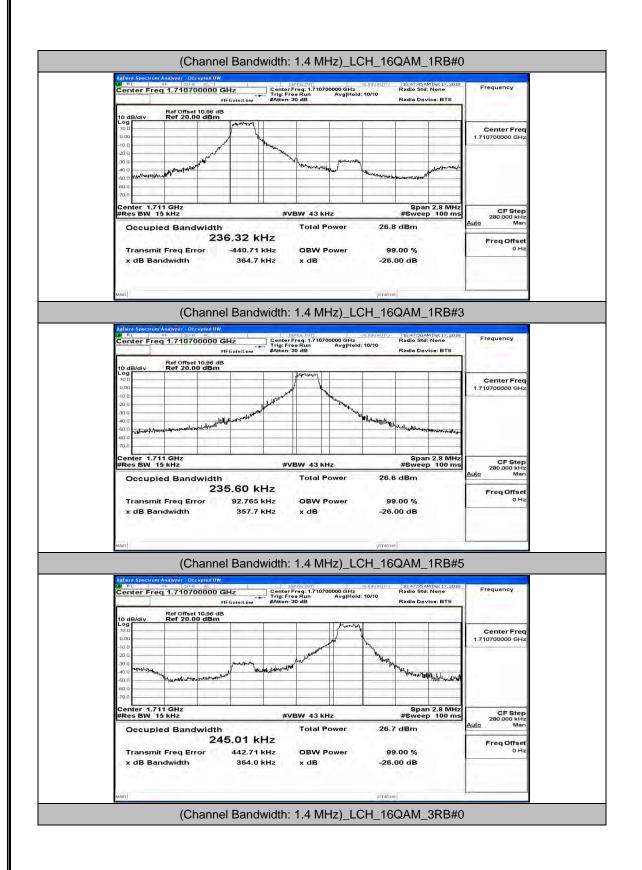


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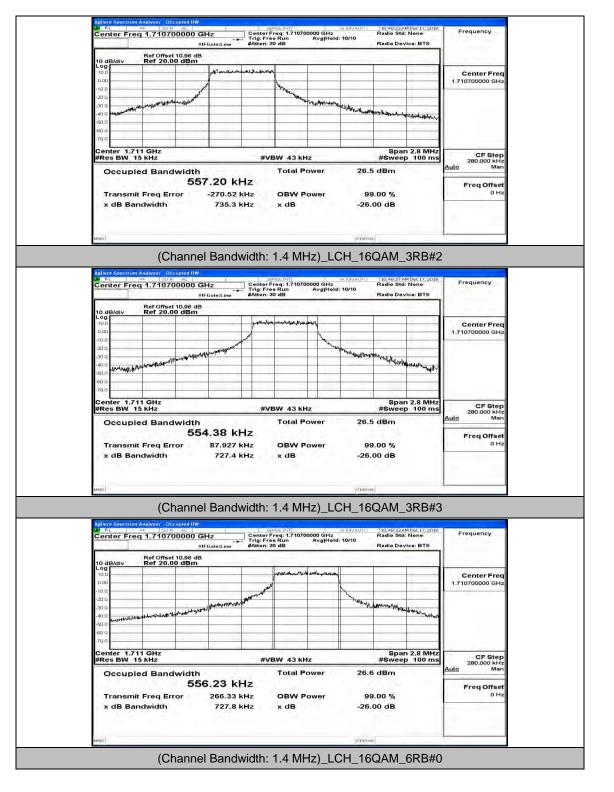
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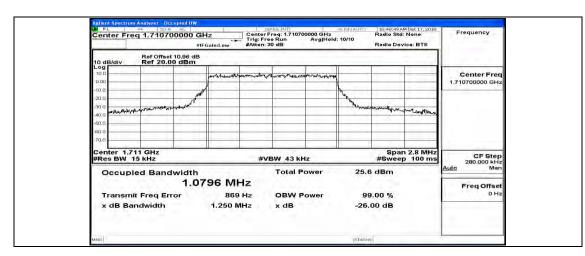
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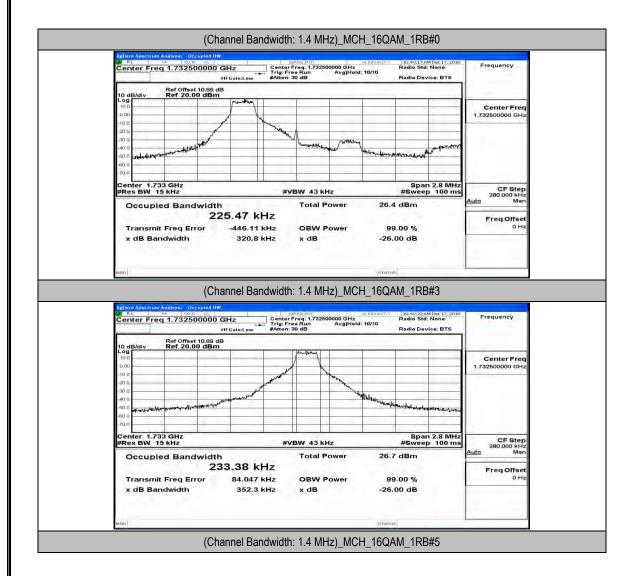


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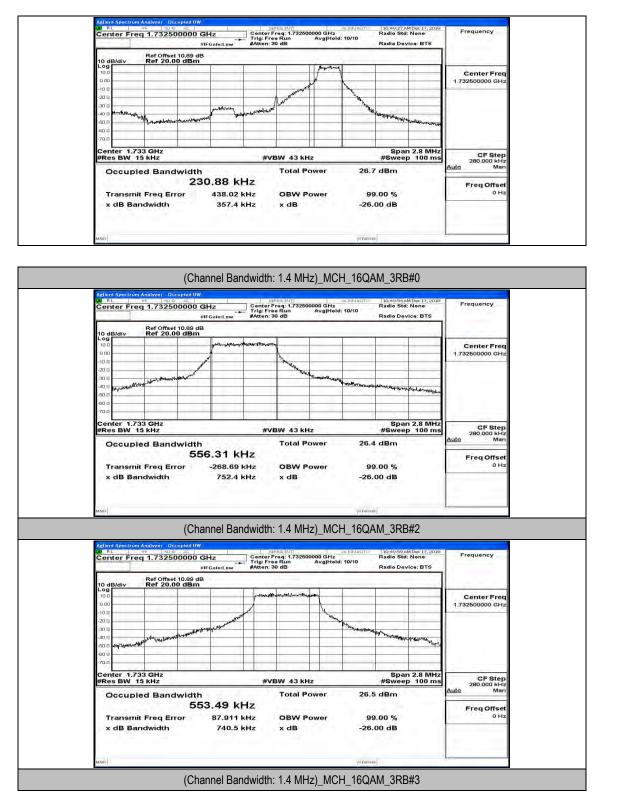




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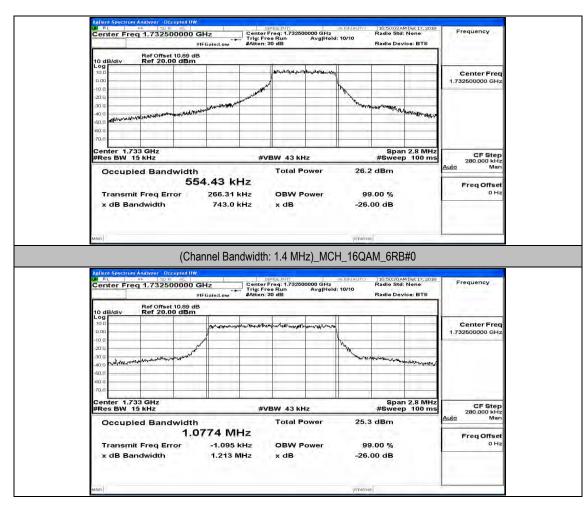
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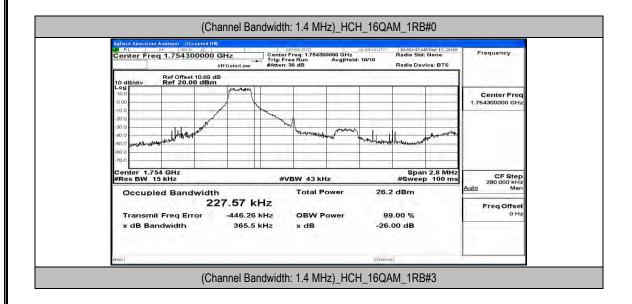
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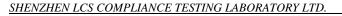
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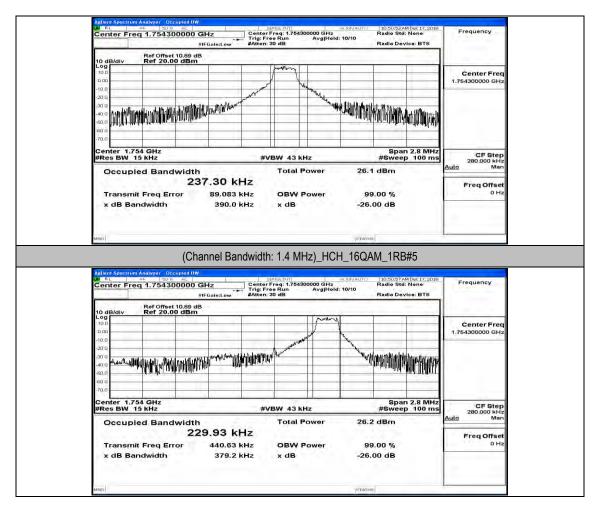


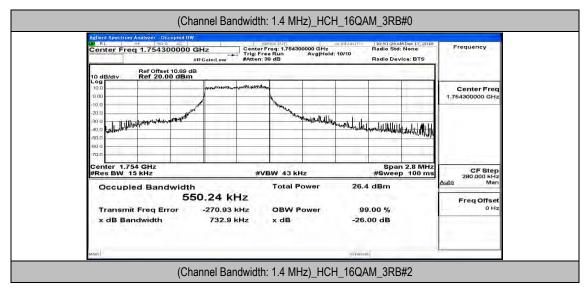


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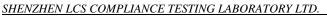


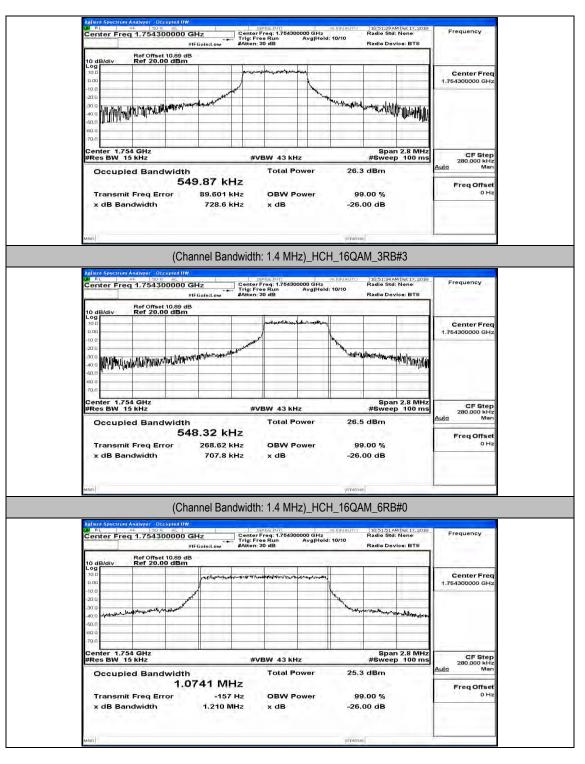
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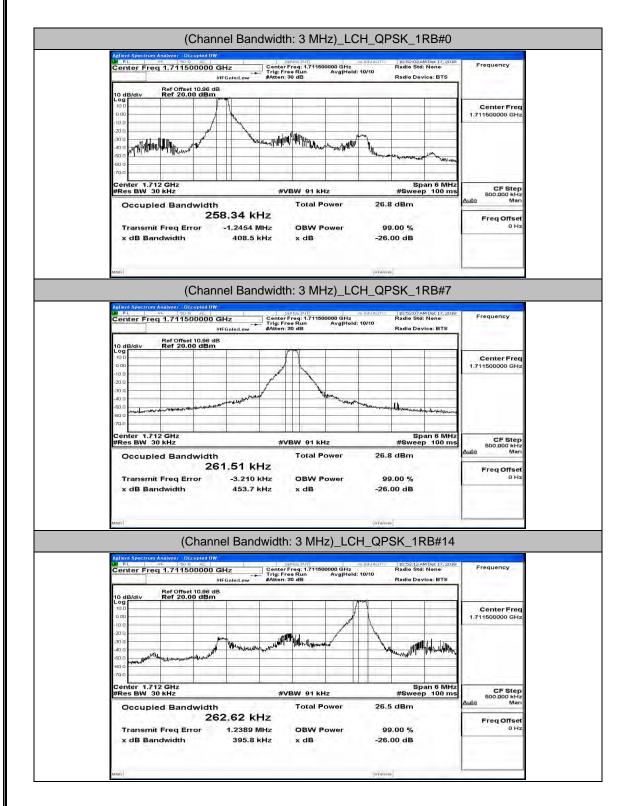
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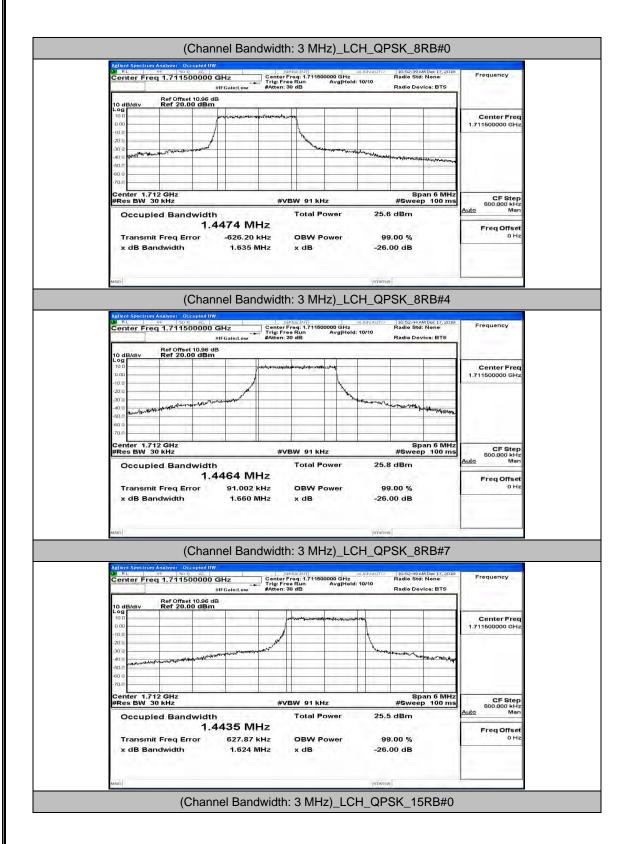
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Channel Bandwidth: 3 MHz



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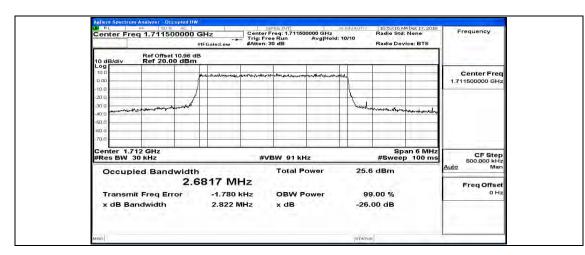
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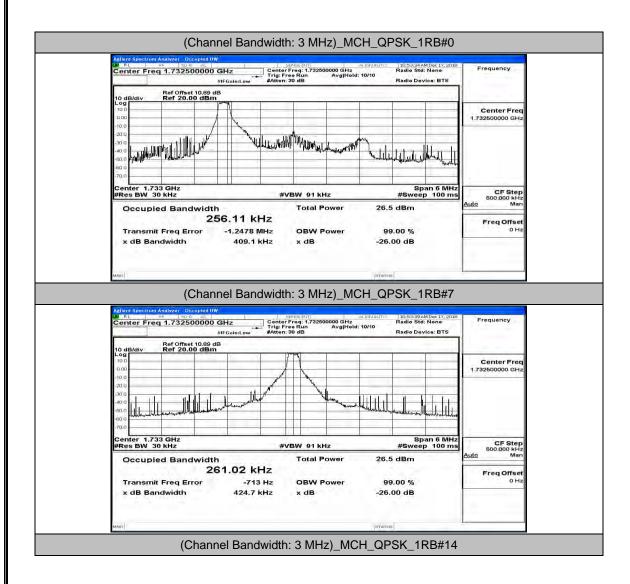


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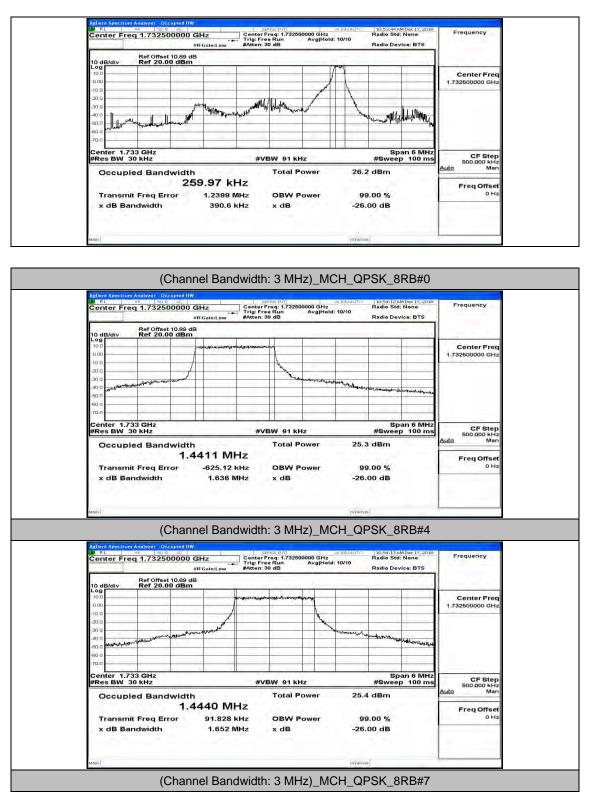




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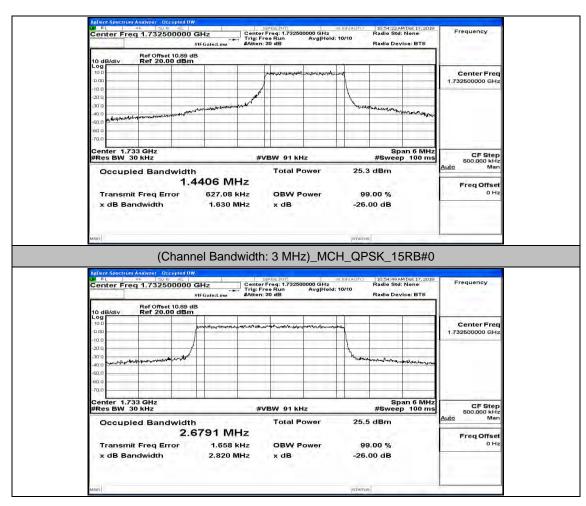
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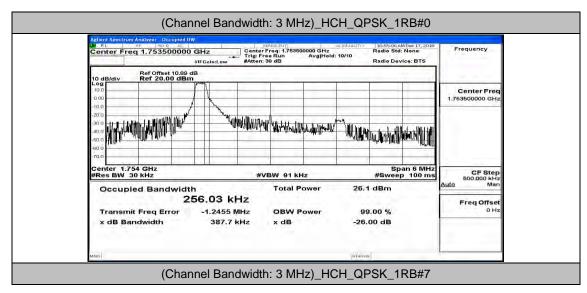


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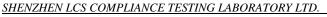


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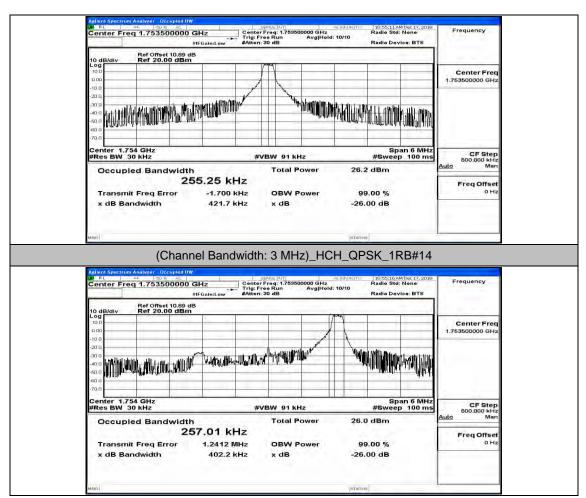


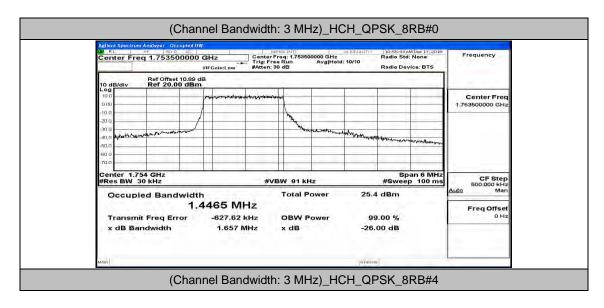


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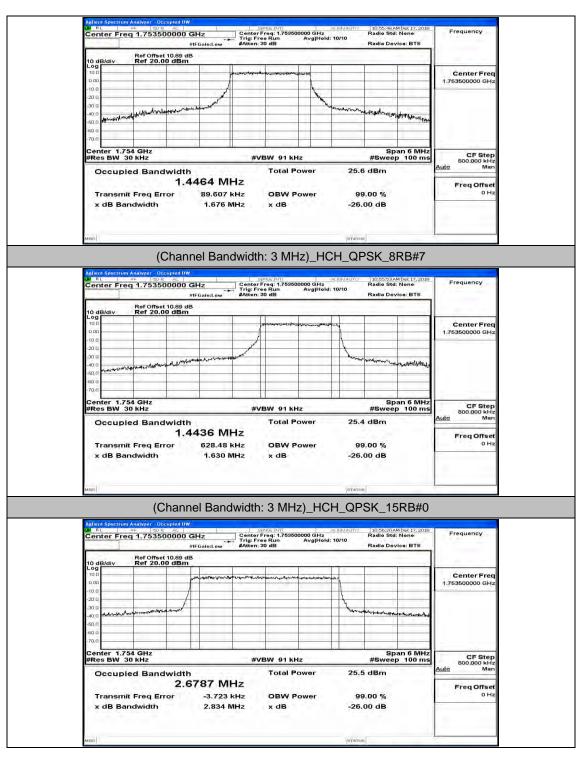
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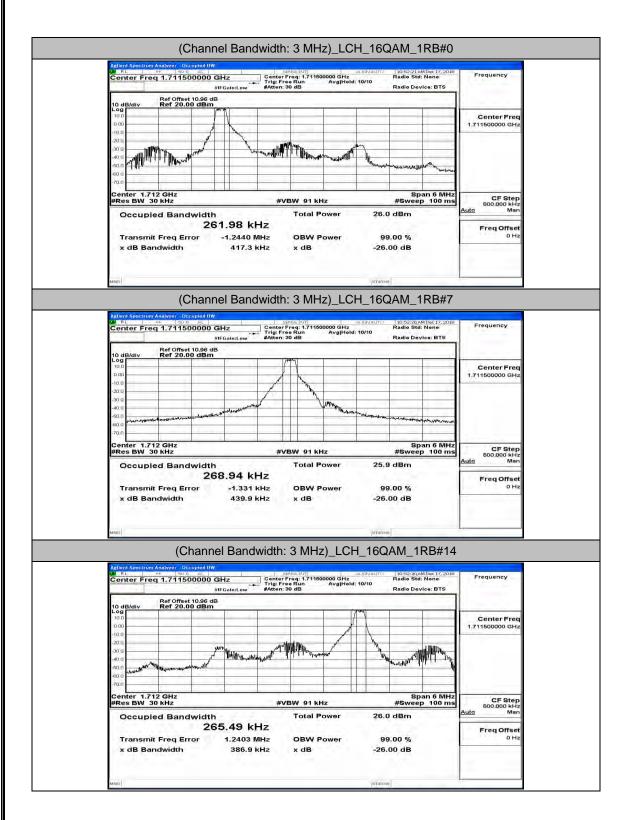
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FCC ID: 2ARY4-AL312



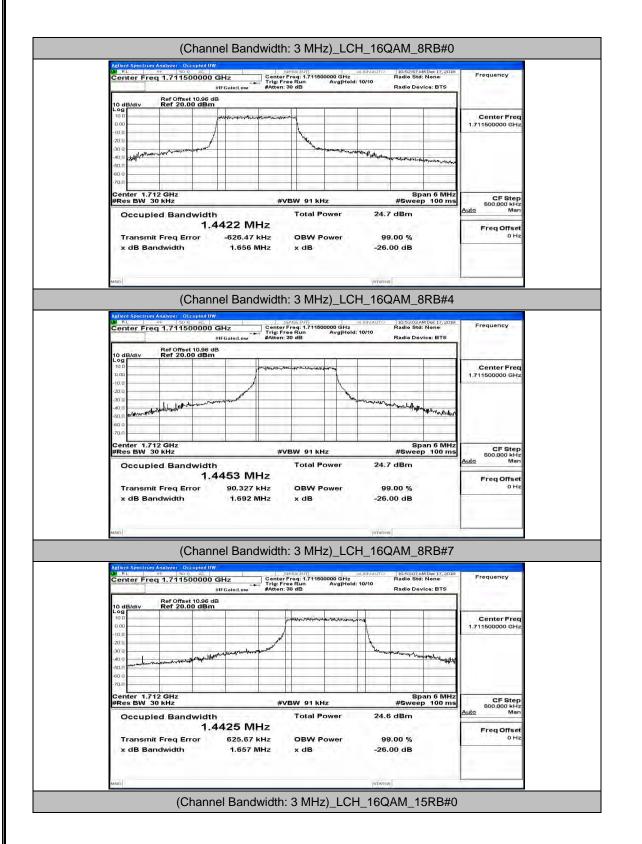
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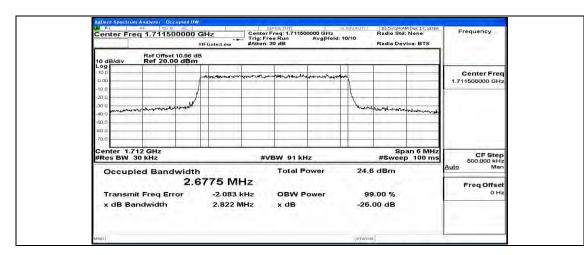
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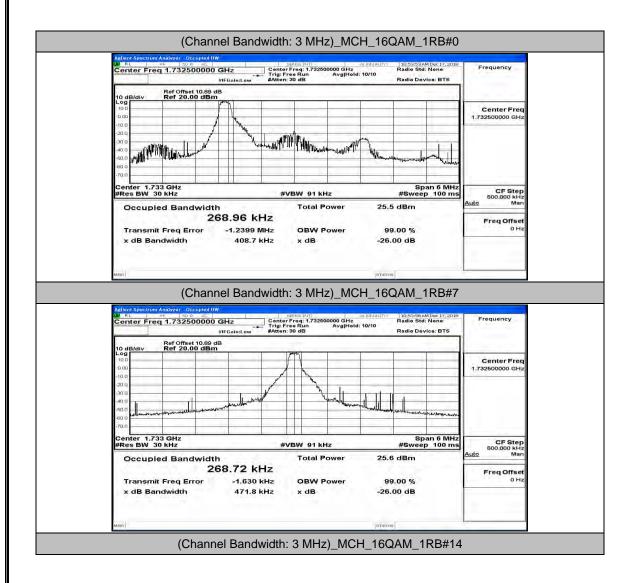


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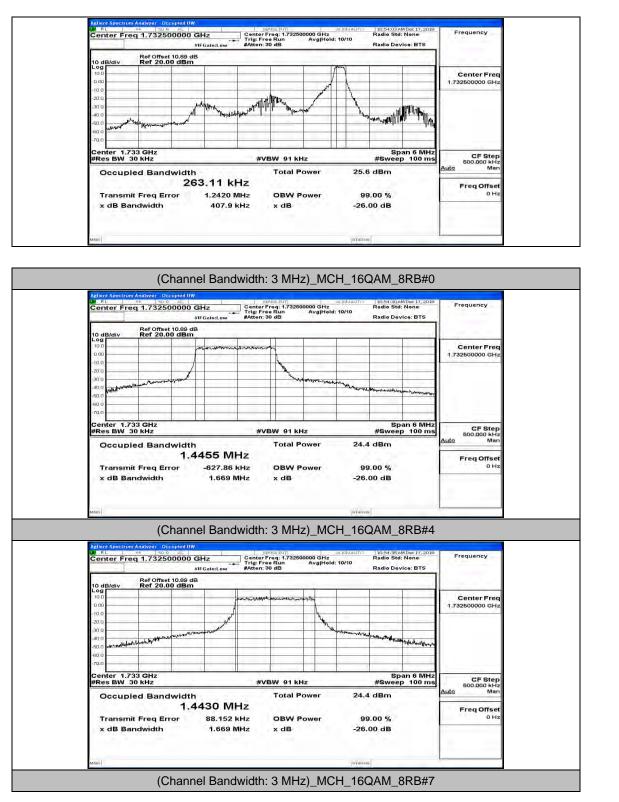




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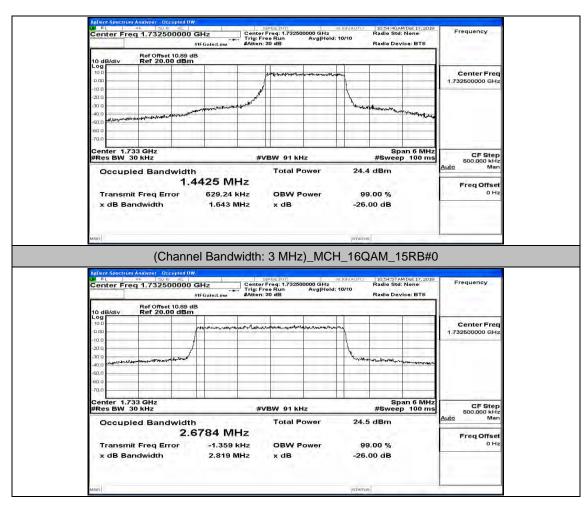
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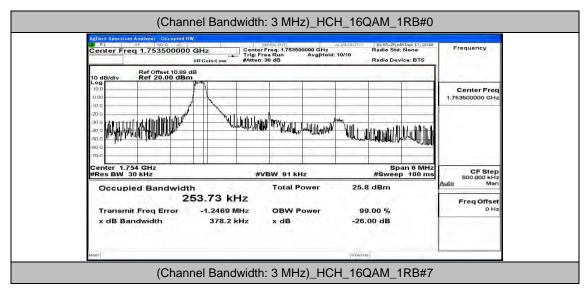


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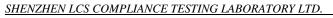


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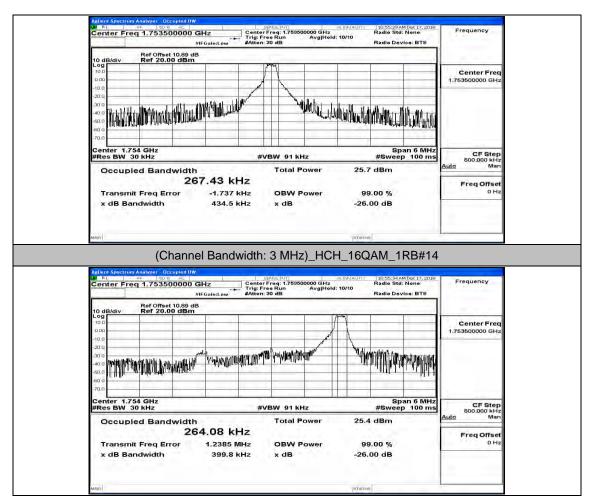


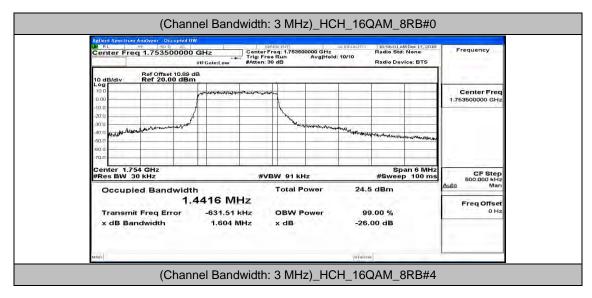
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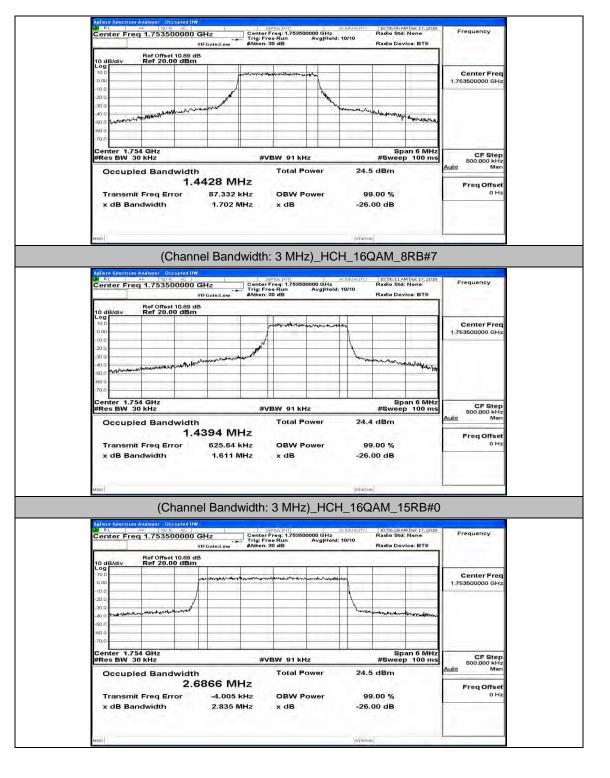




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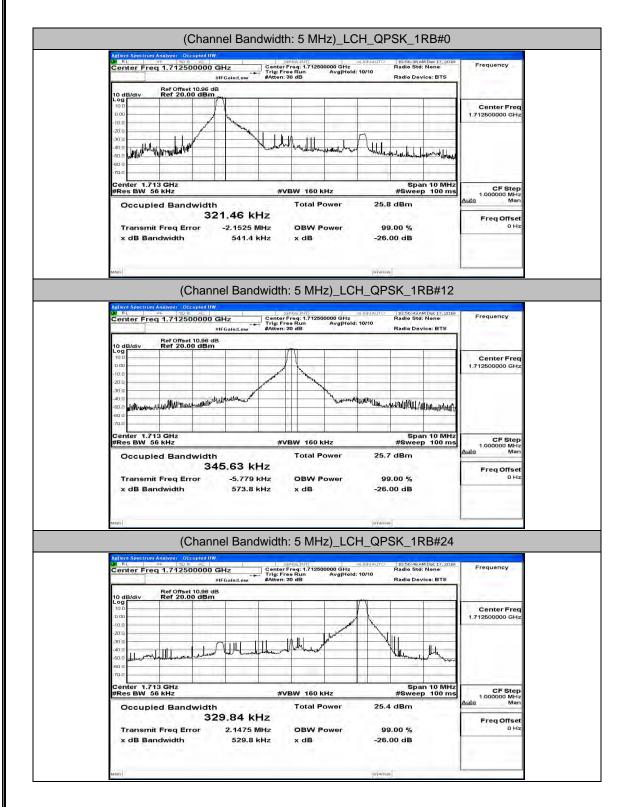
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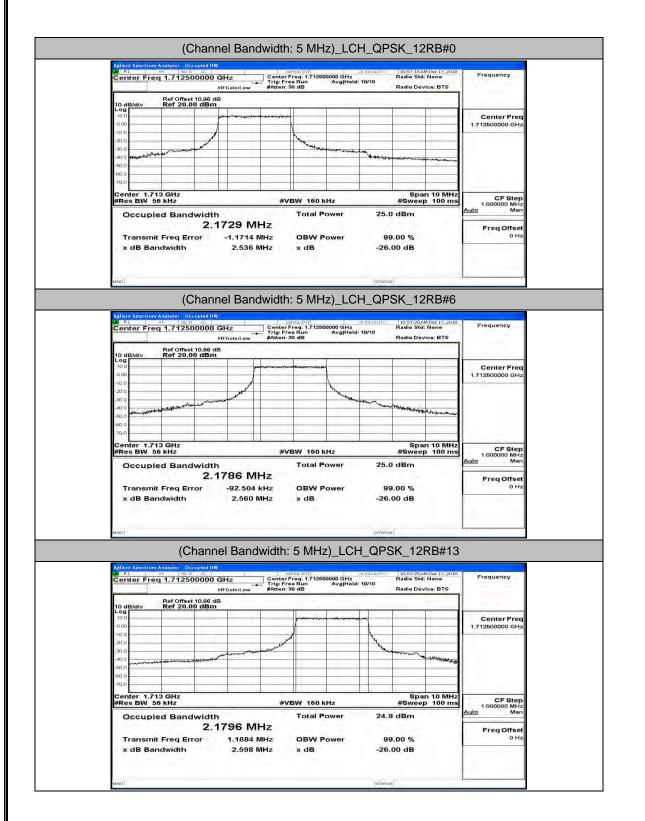
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Channel Bandwidth: 5 MHz



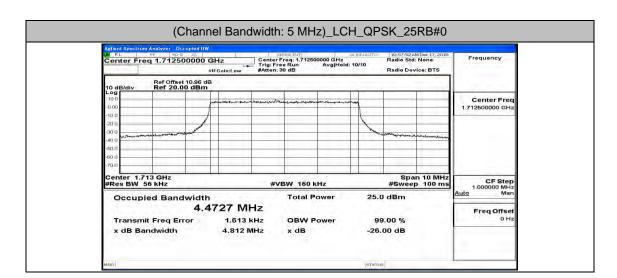
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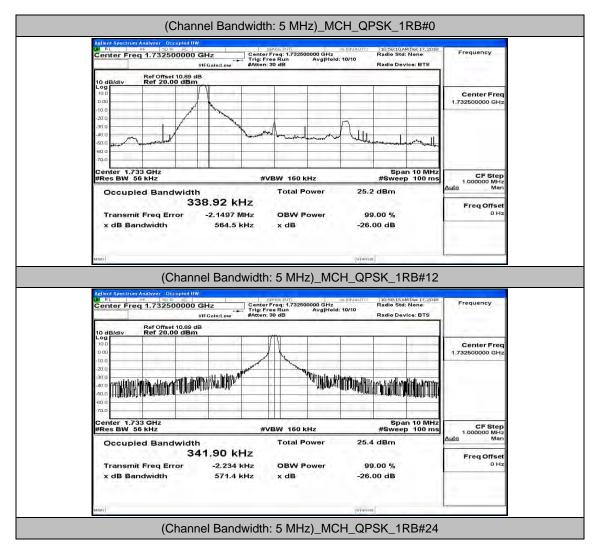
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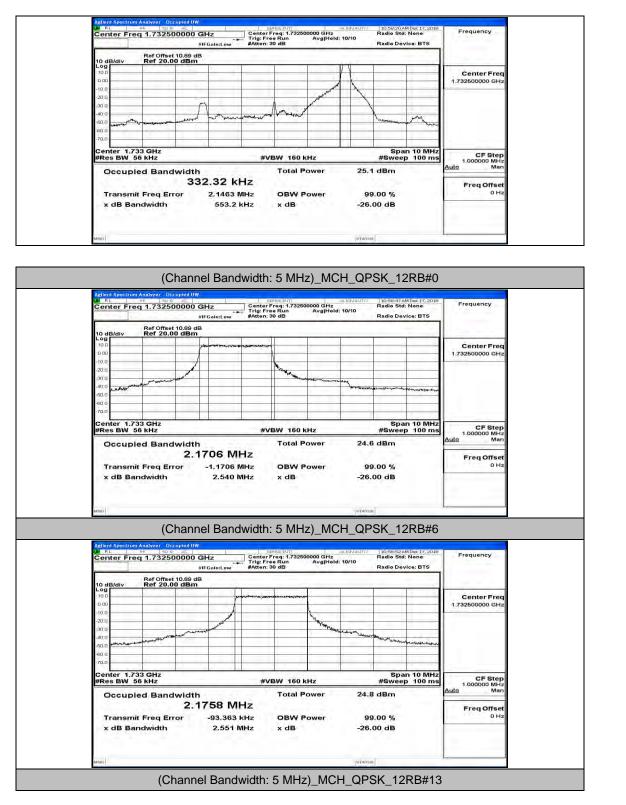




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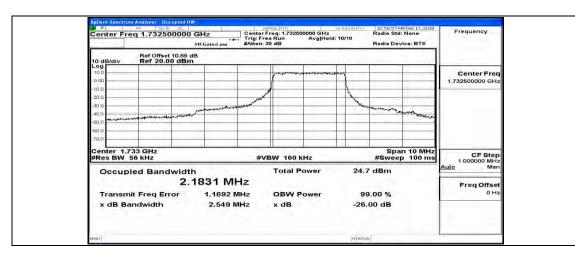
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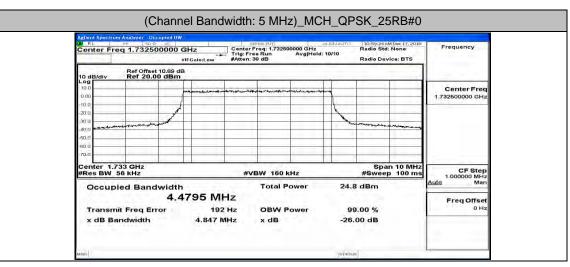


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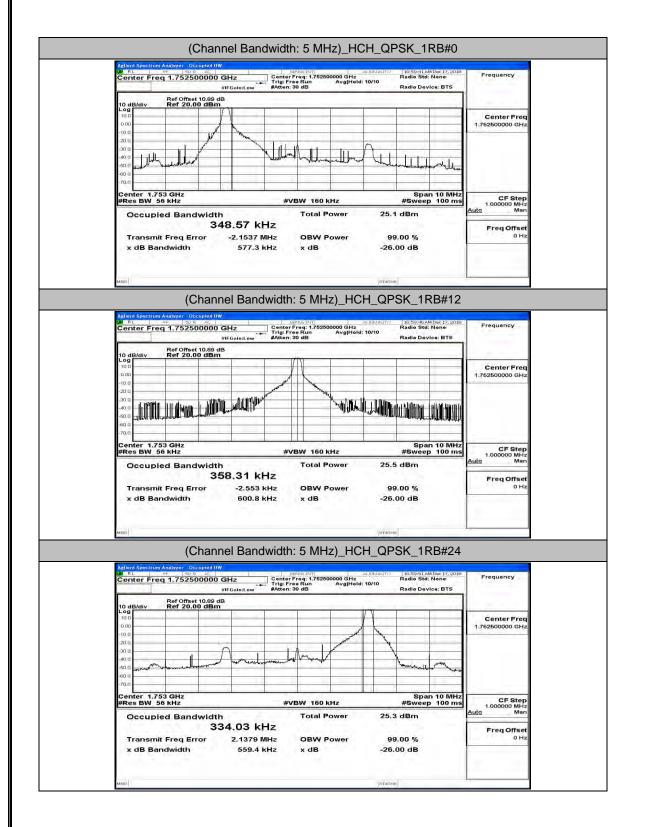




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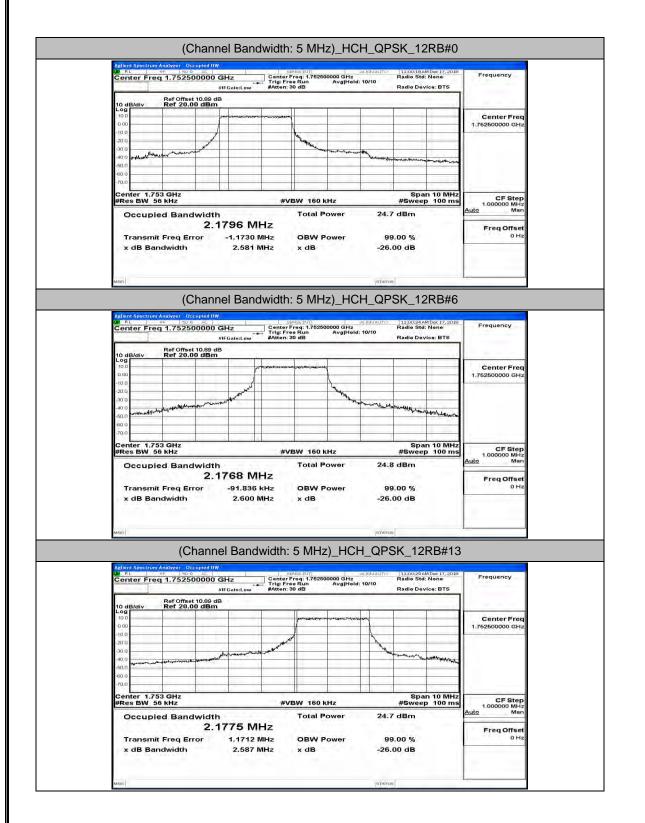
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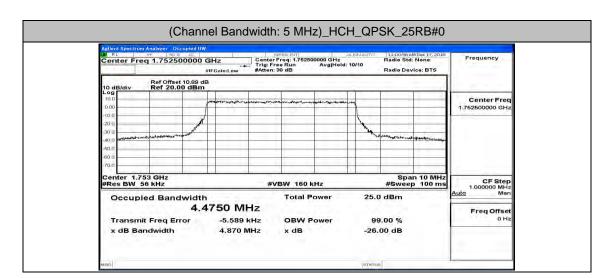
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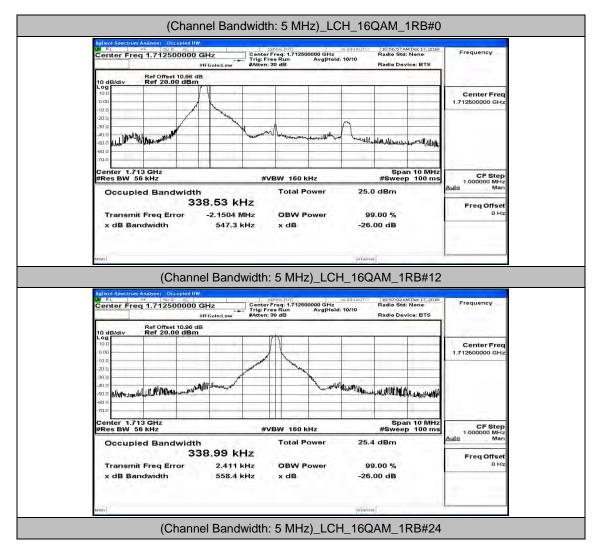
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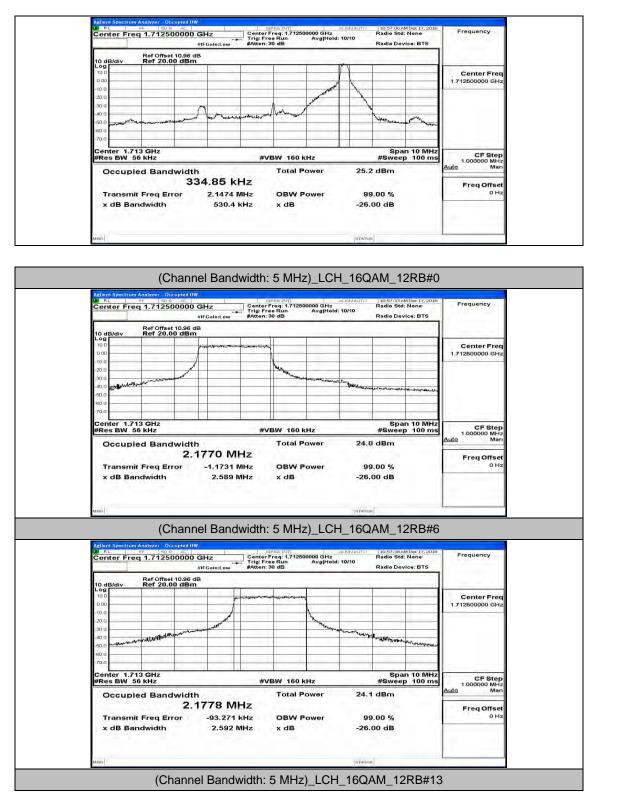




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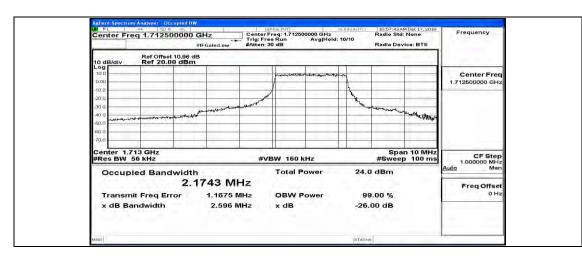
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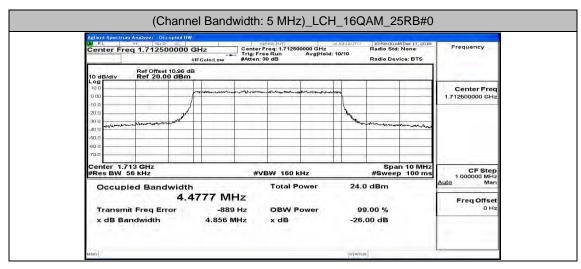


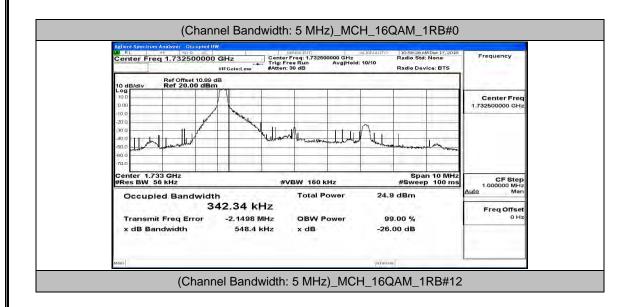
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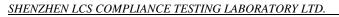
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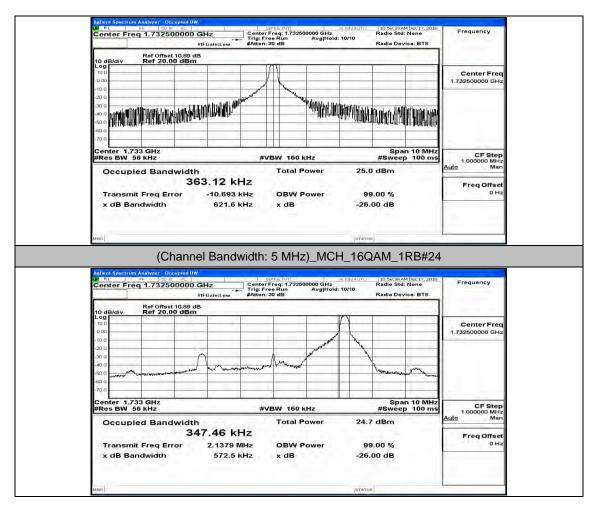


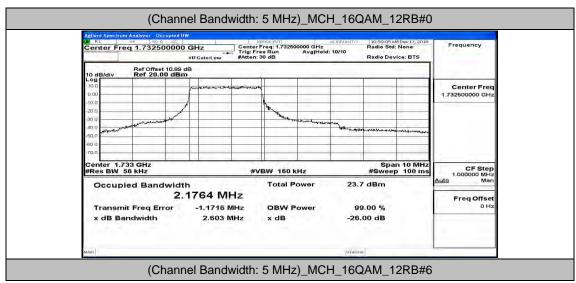
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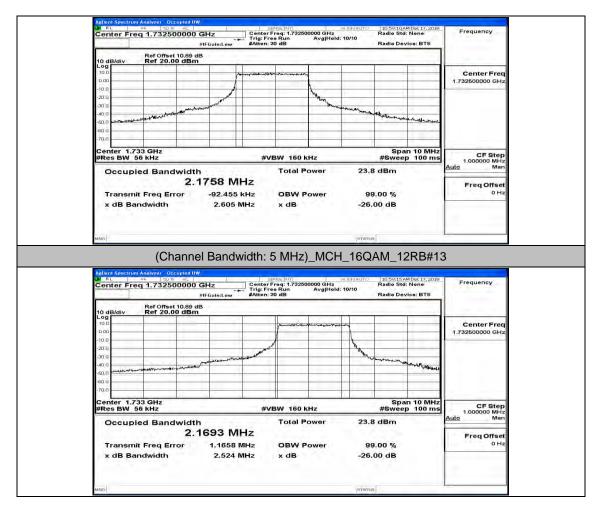


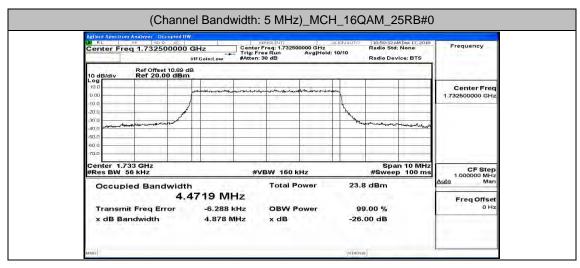


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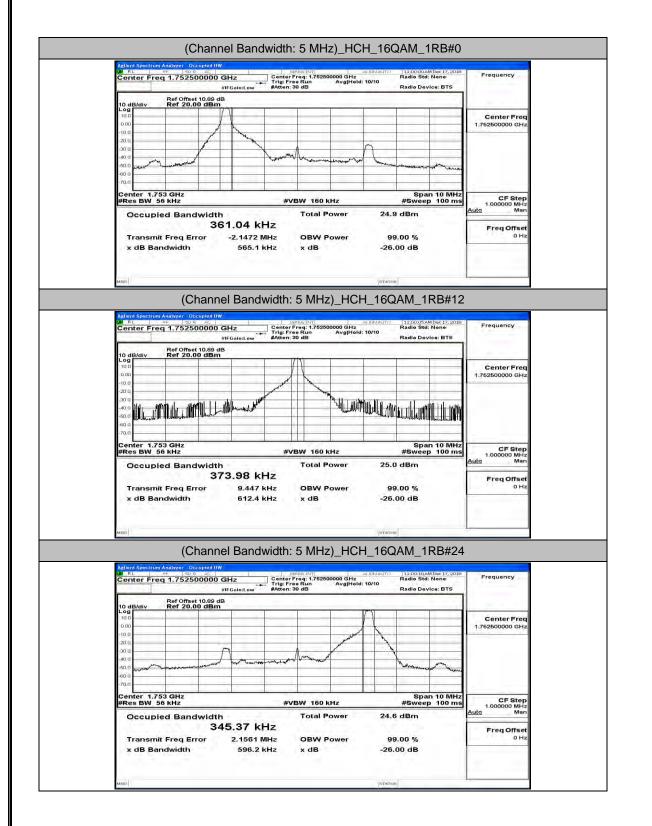




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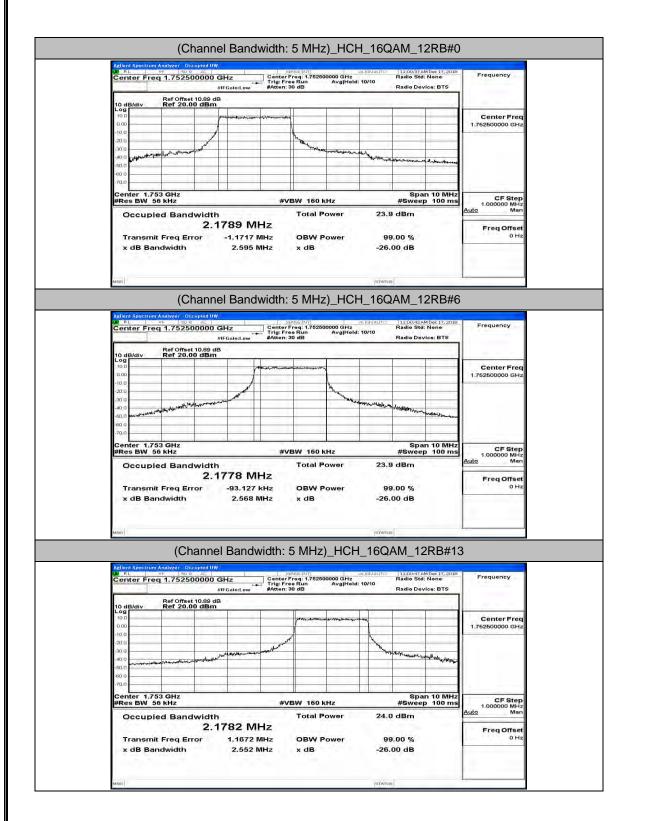
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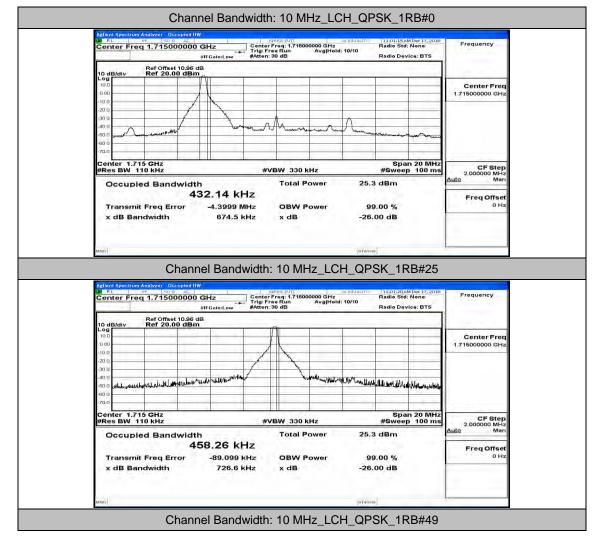


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FCC ID: 2ARY4-AL312

Frequency	Adelent Spectrom Analyzer Occupied IIW SPERION Spectrom Analyzer Occupied III OLUGAM Dec 17, 2018 Center Freq 1.752500000 GHz BFGaint.ow Ref Offset 10.89 dB To dB/dlv Ref 20.00 dBm							
Center Freq 1.762500000 GHz								
			-			with shap on the franks		og 0.0
			1 mar				and the second	0.0 0.0 0.0
	An and the second second	- white a start of the						
CF Step	Radio Device: BTS Cente 1.7525000 1.752500 1.7525 1.752500 1.7525 1.752500 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.7525 1.752 1.75 1	/BW 16		2	enter 1.753 GHz Res BW 56 kHz			
			24.0			Occupied Bandwidth 4.4812 MHz		
Freq Offset 0 Hz		99.00 % 26.00 dB		OBW Power x dB		-3.228 kHz 4.855 MHz	4.4 Transmit Freq Error x dB Bandwidth	

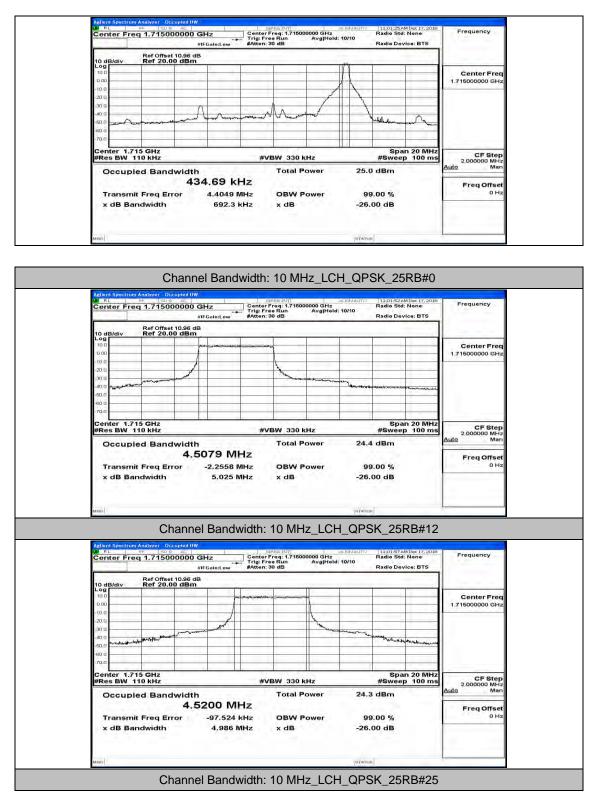
Channel Bandwidth: 10 MHz



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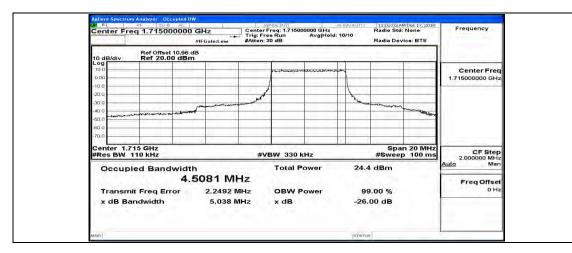
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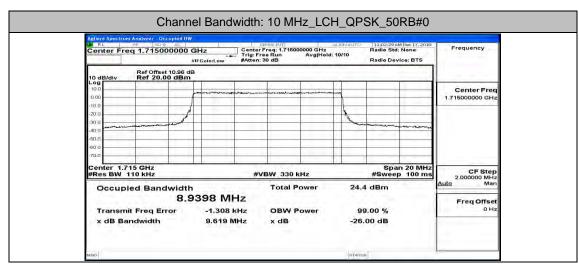


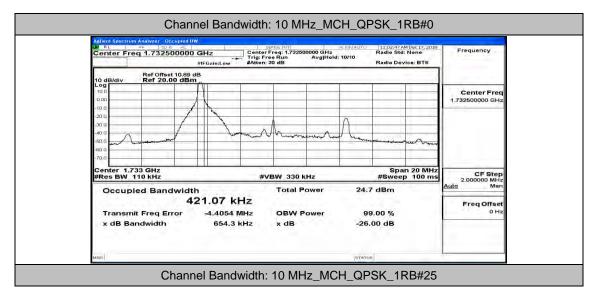
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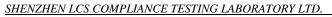
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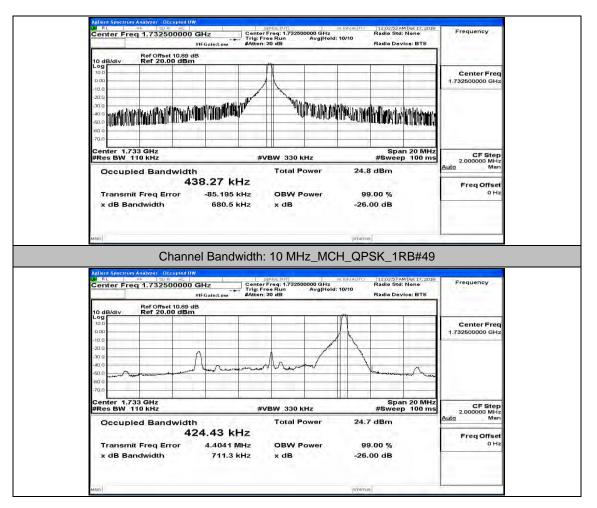


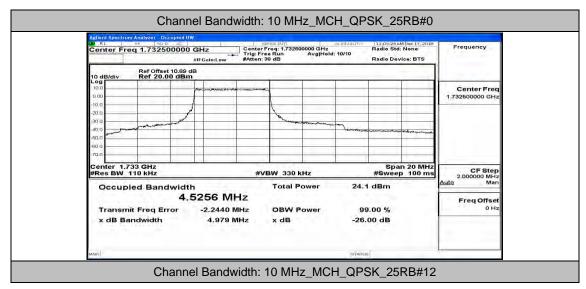
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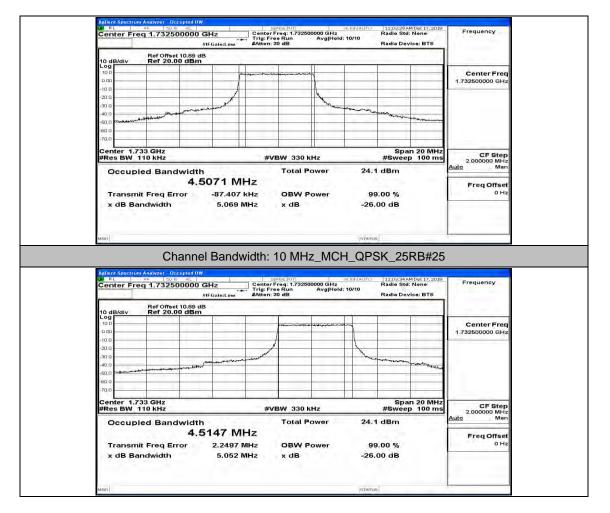


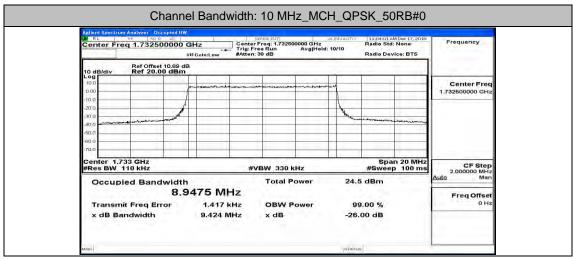


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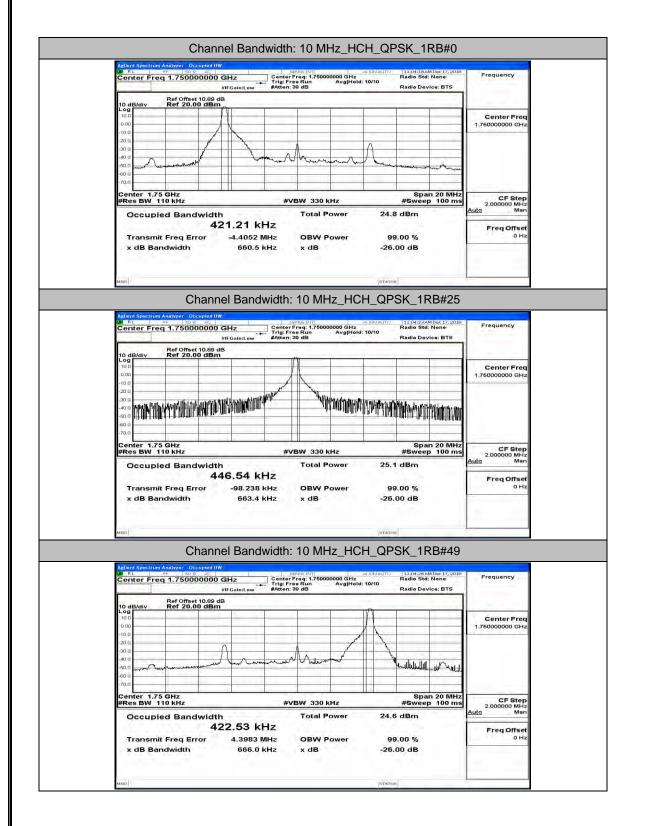




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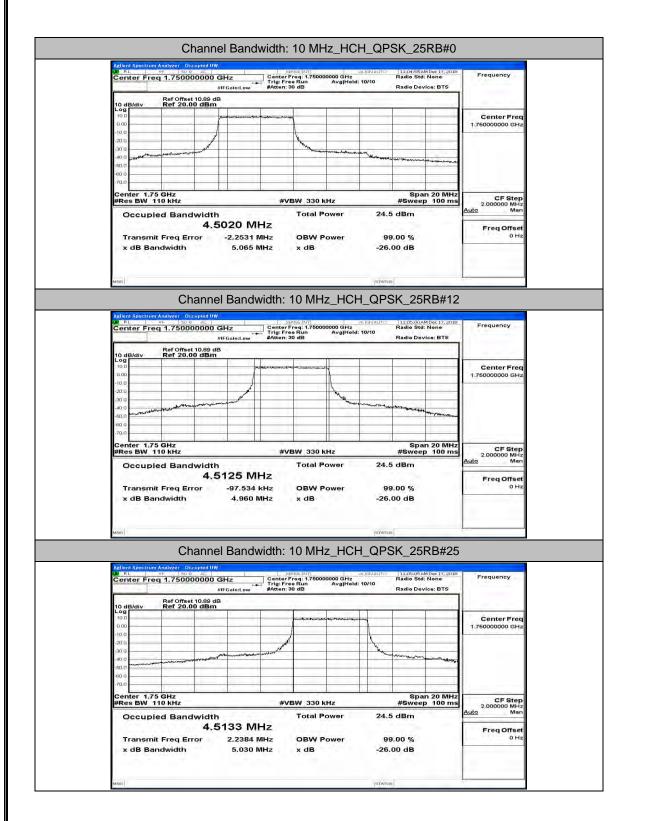
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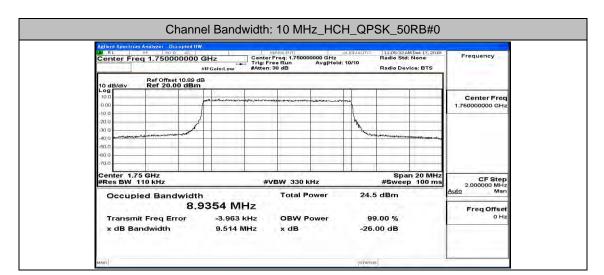
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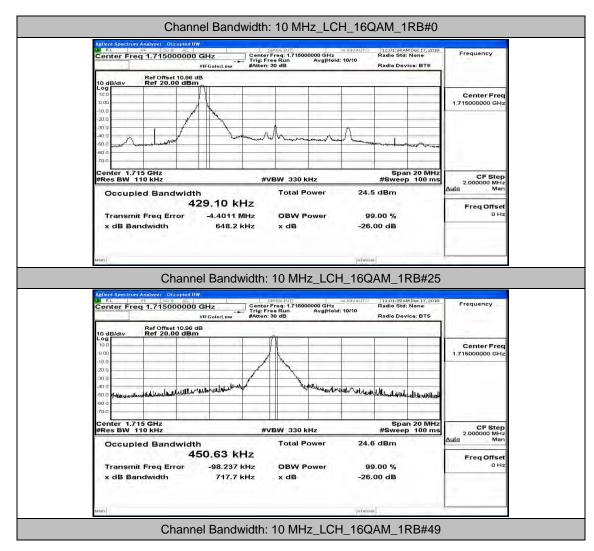
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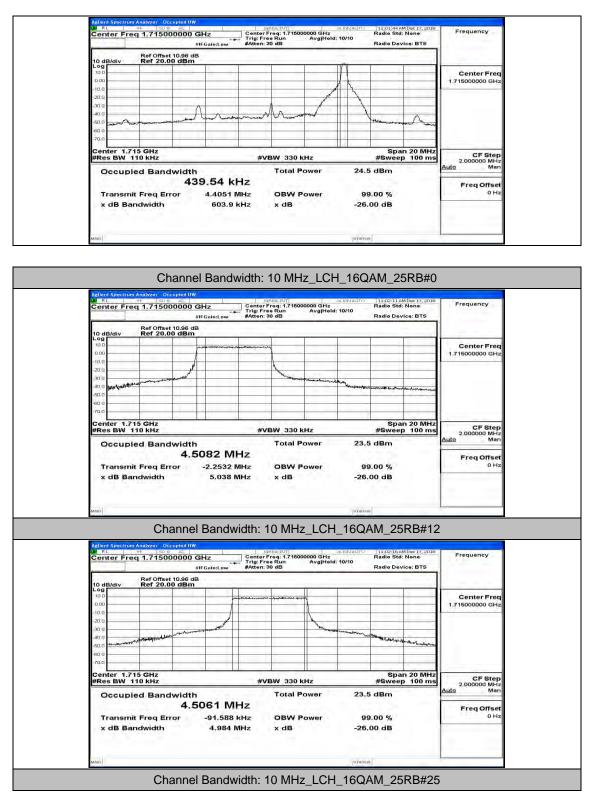




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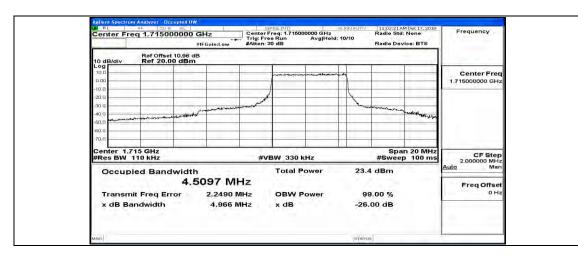
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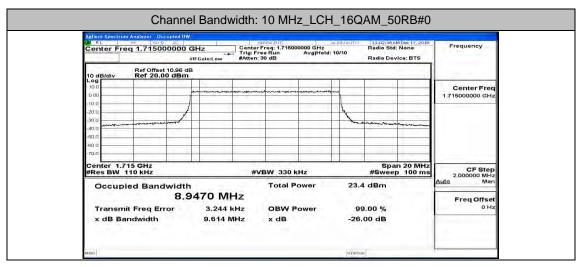


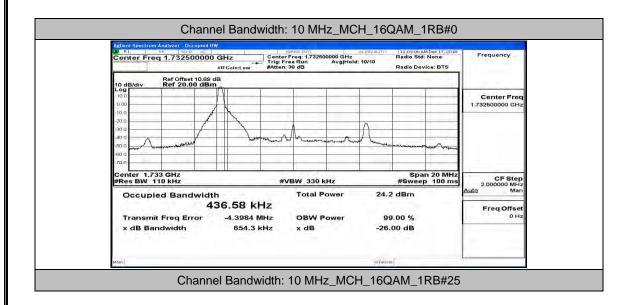
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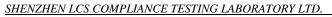
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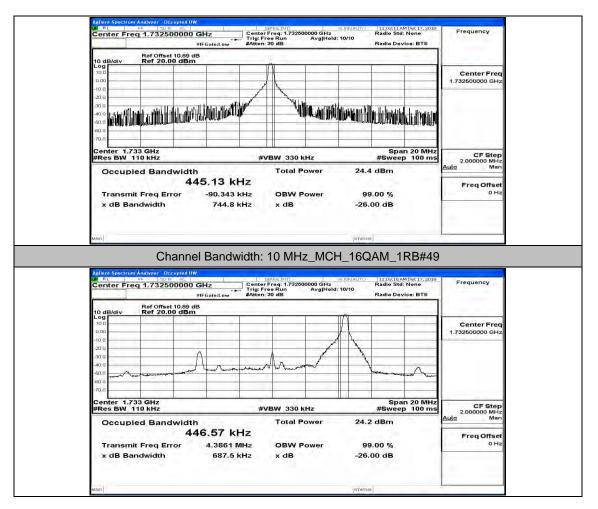


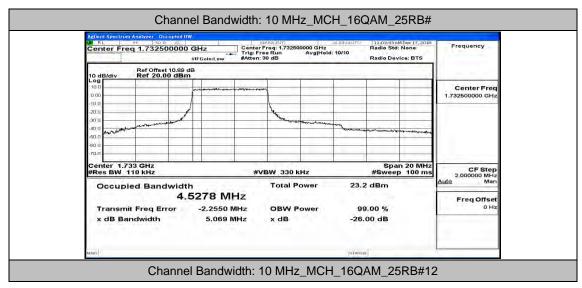
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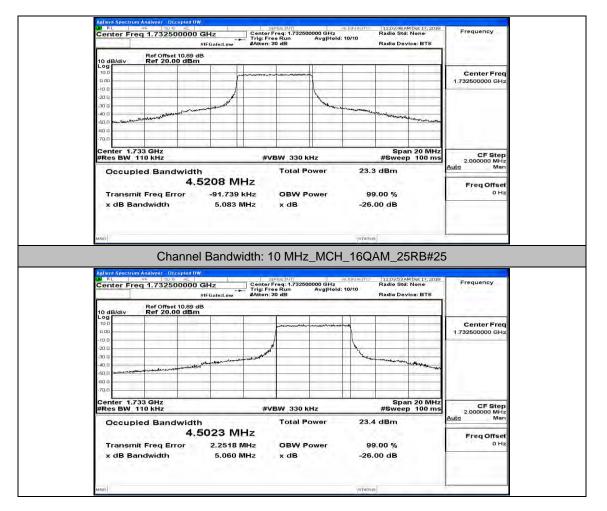


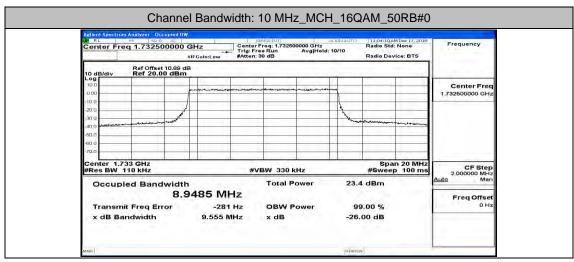


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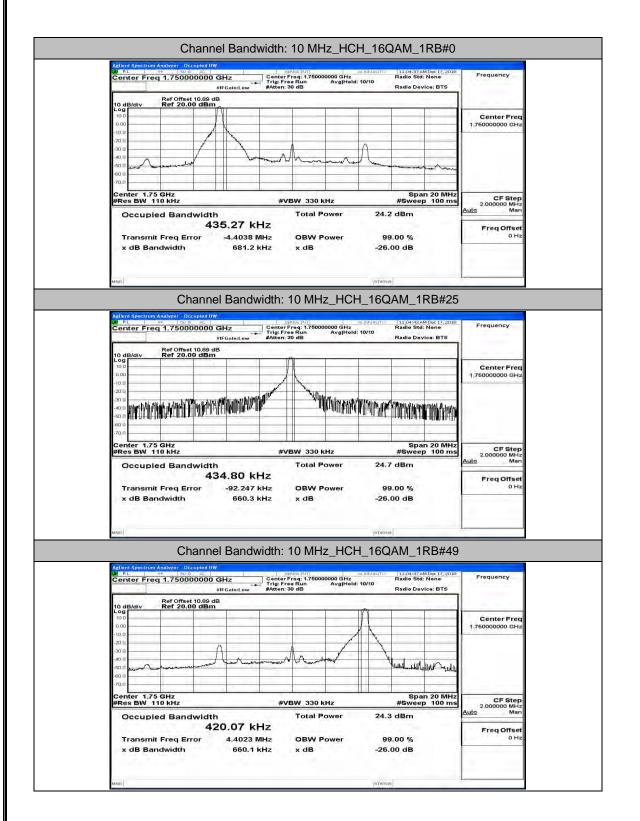
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