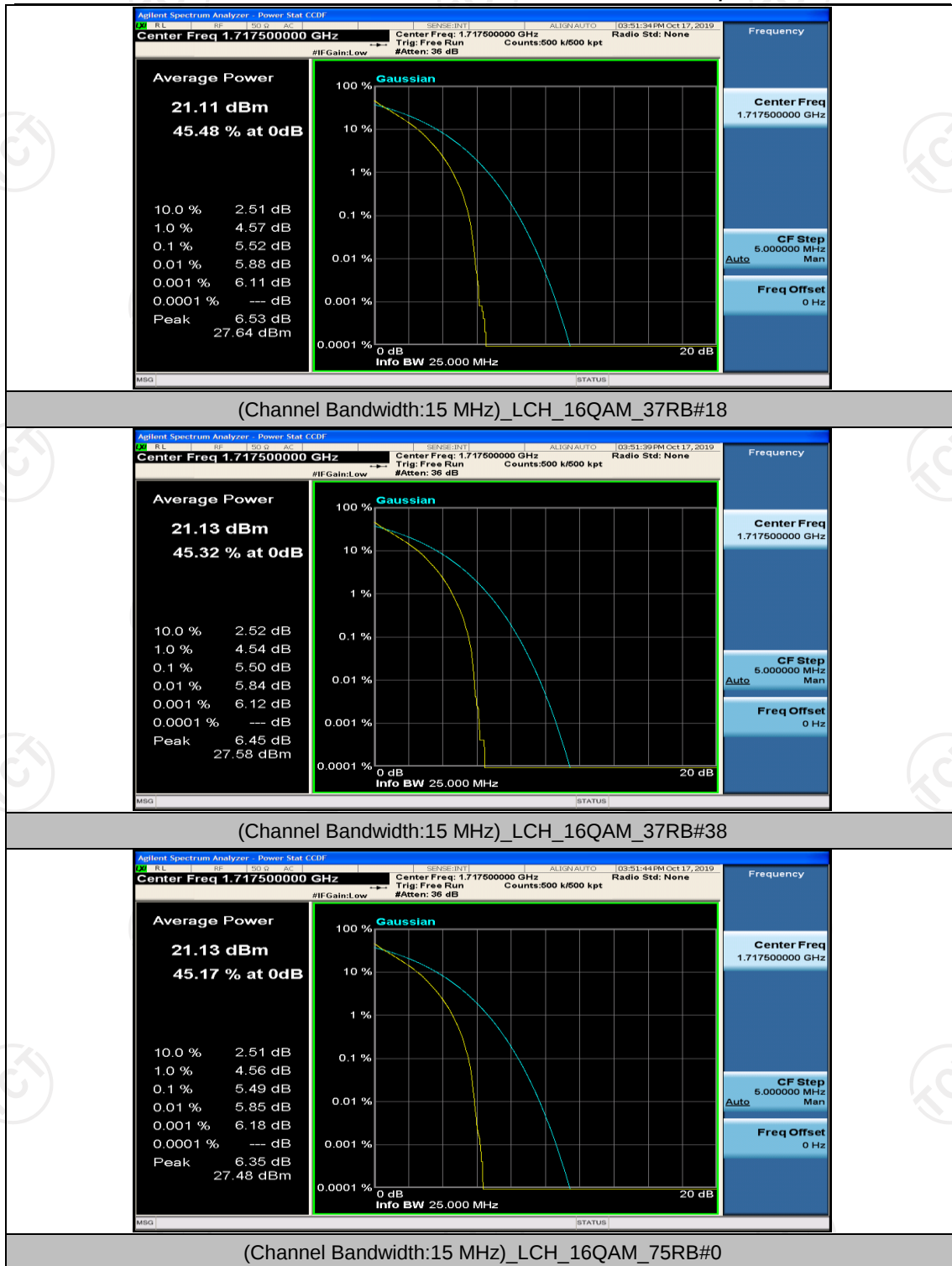
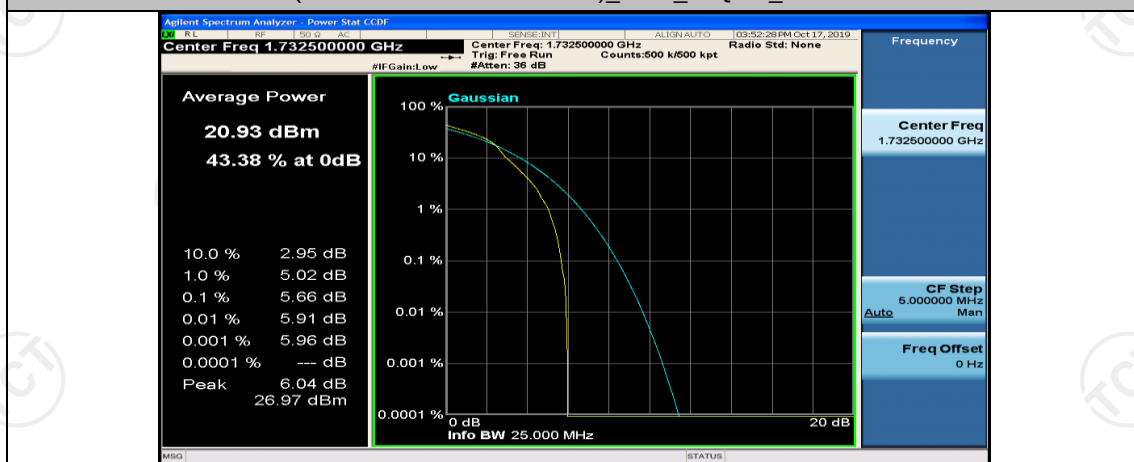


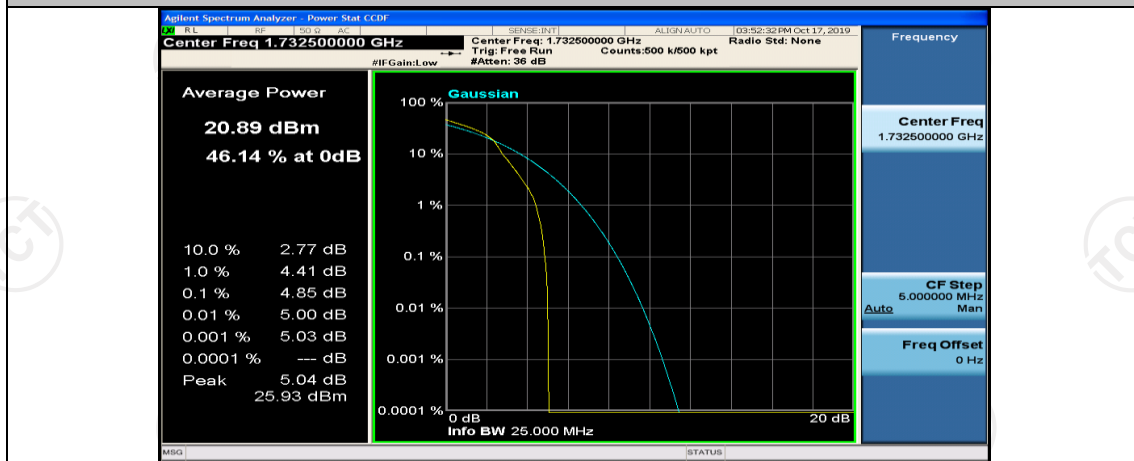




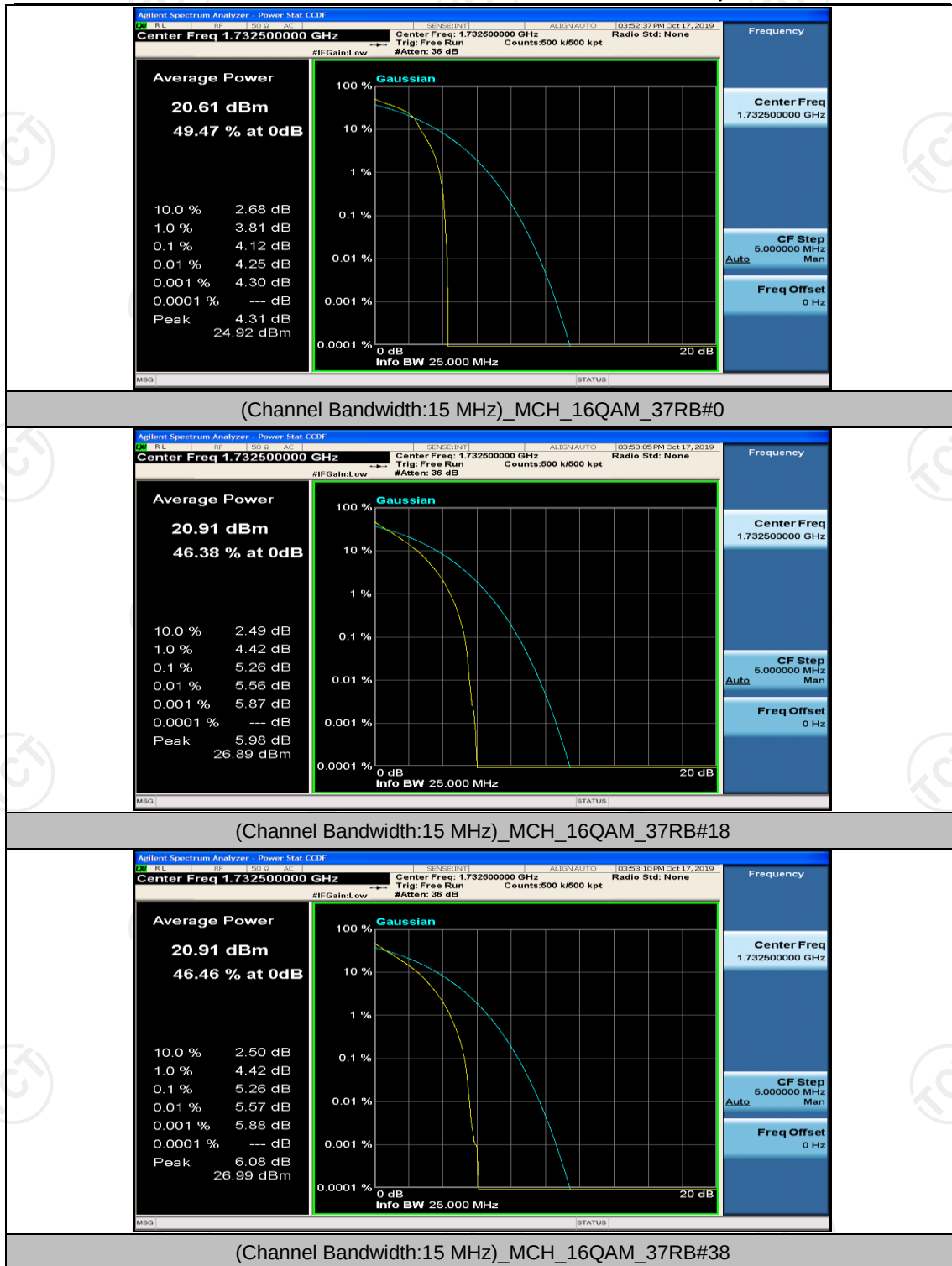
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

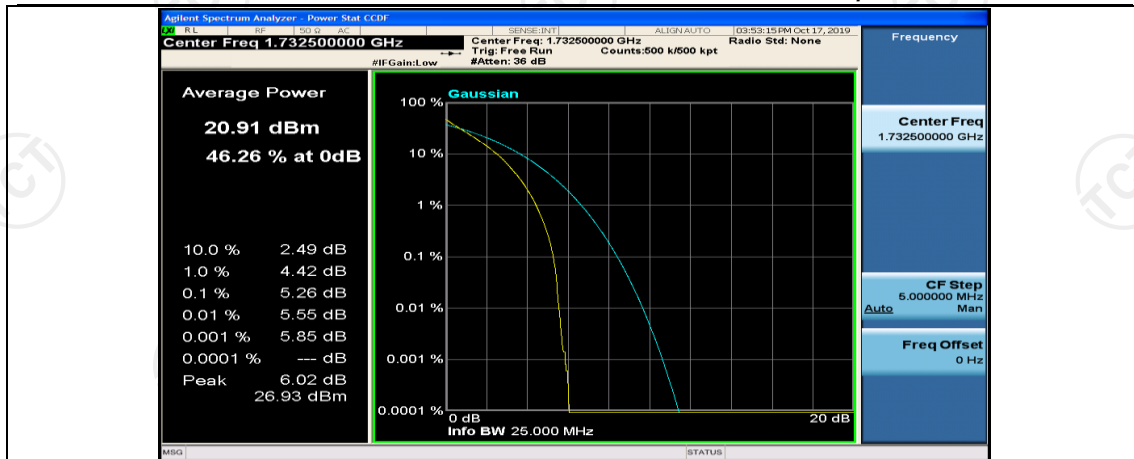


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

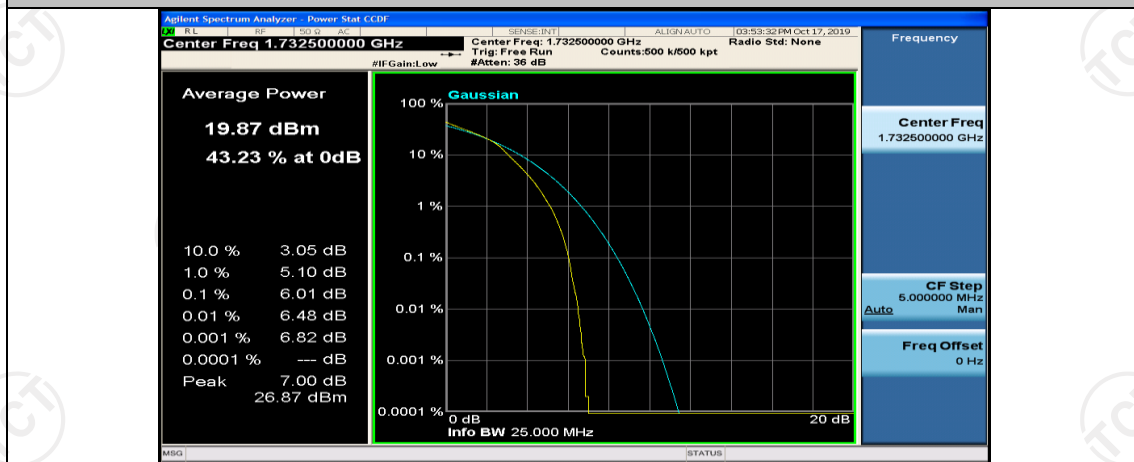


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74

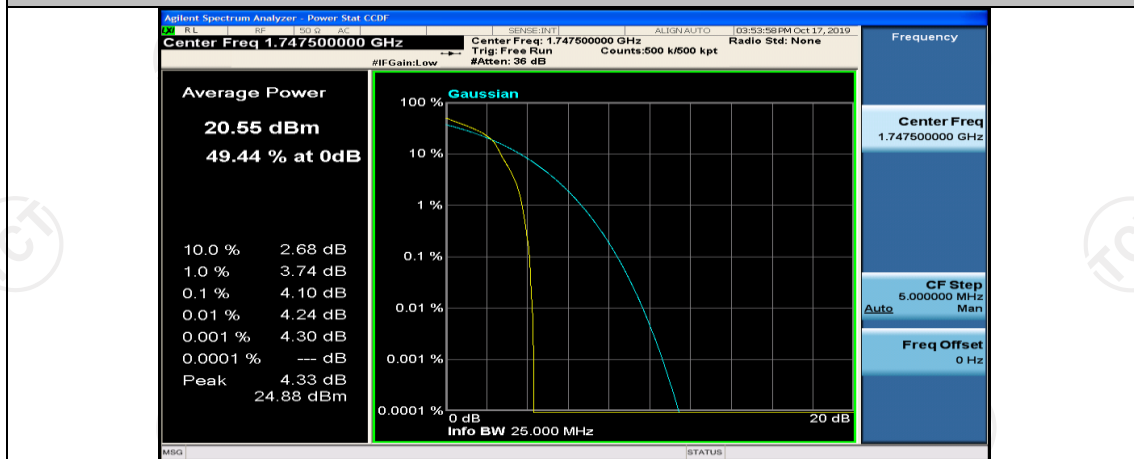




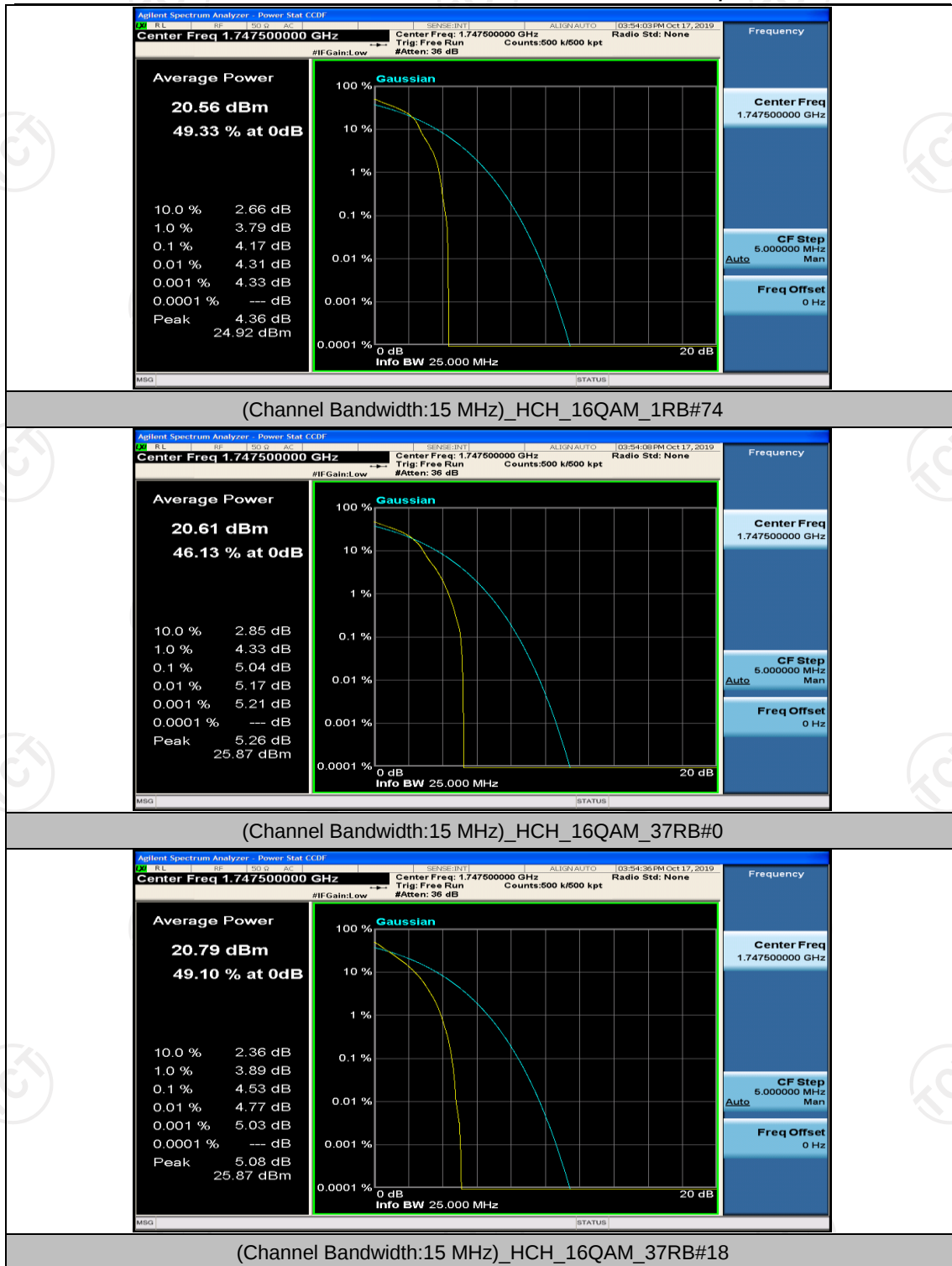
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

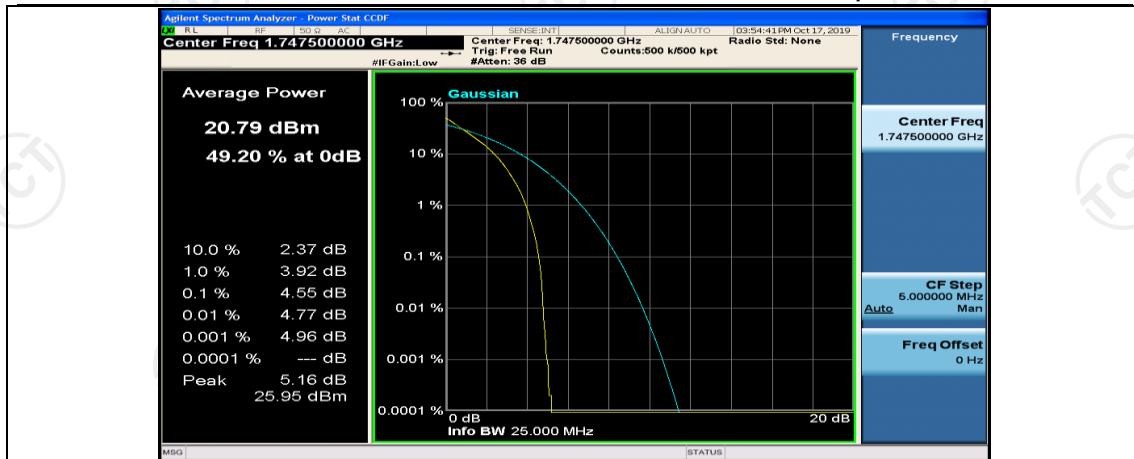


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

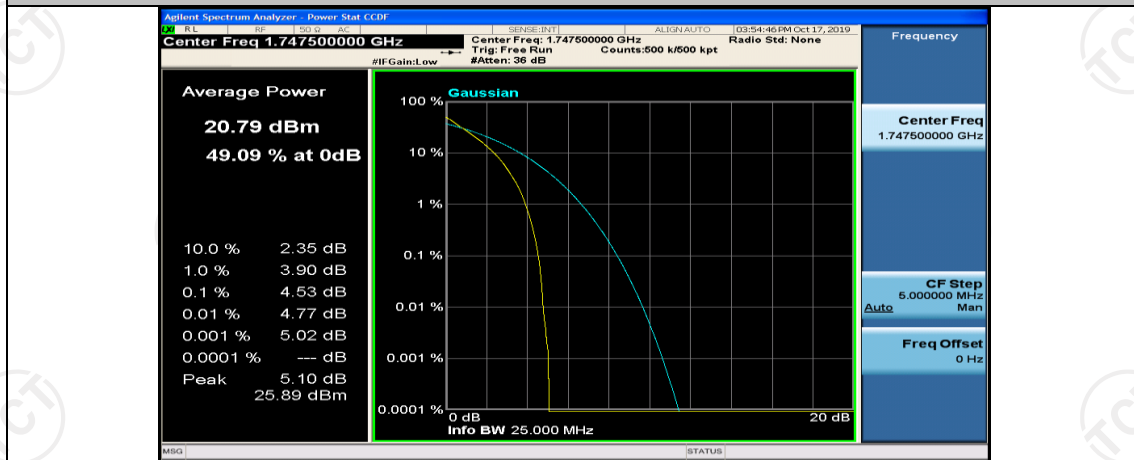


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

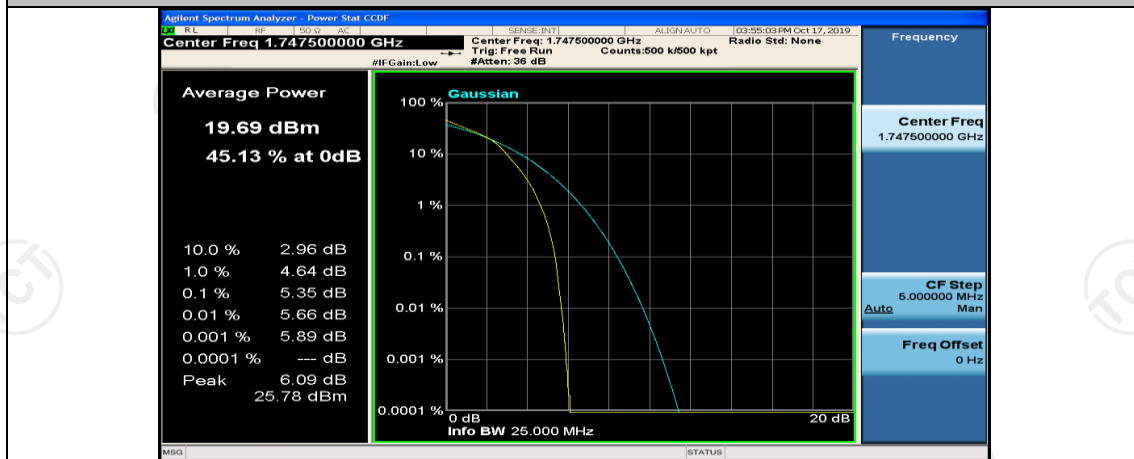




(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

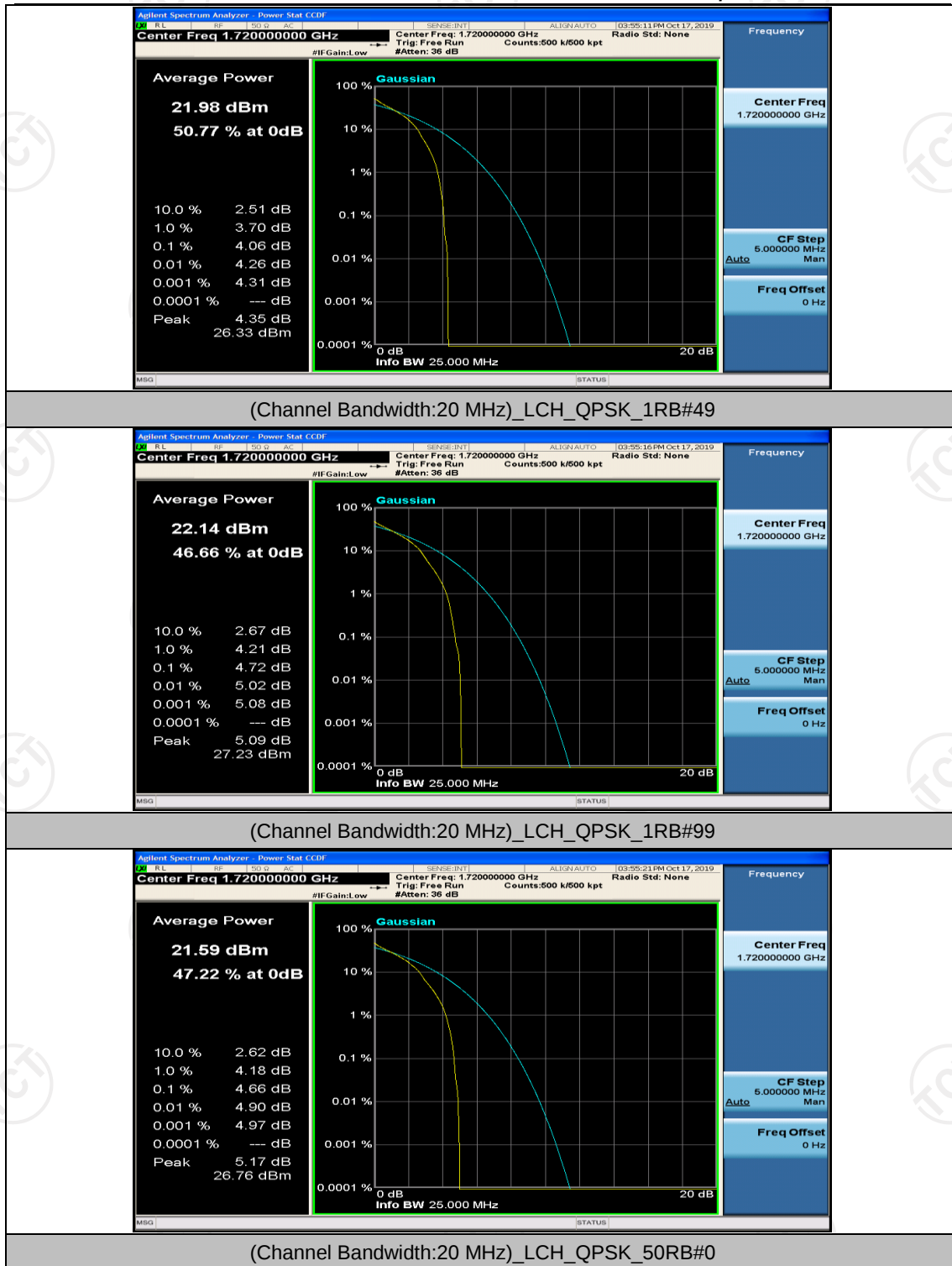


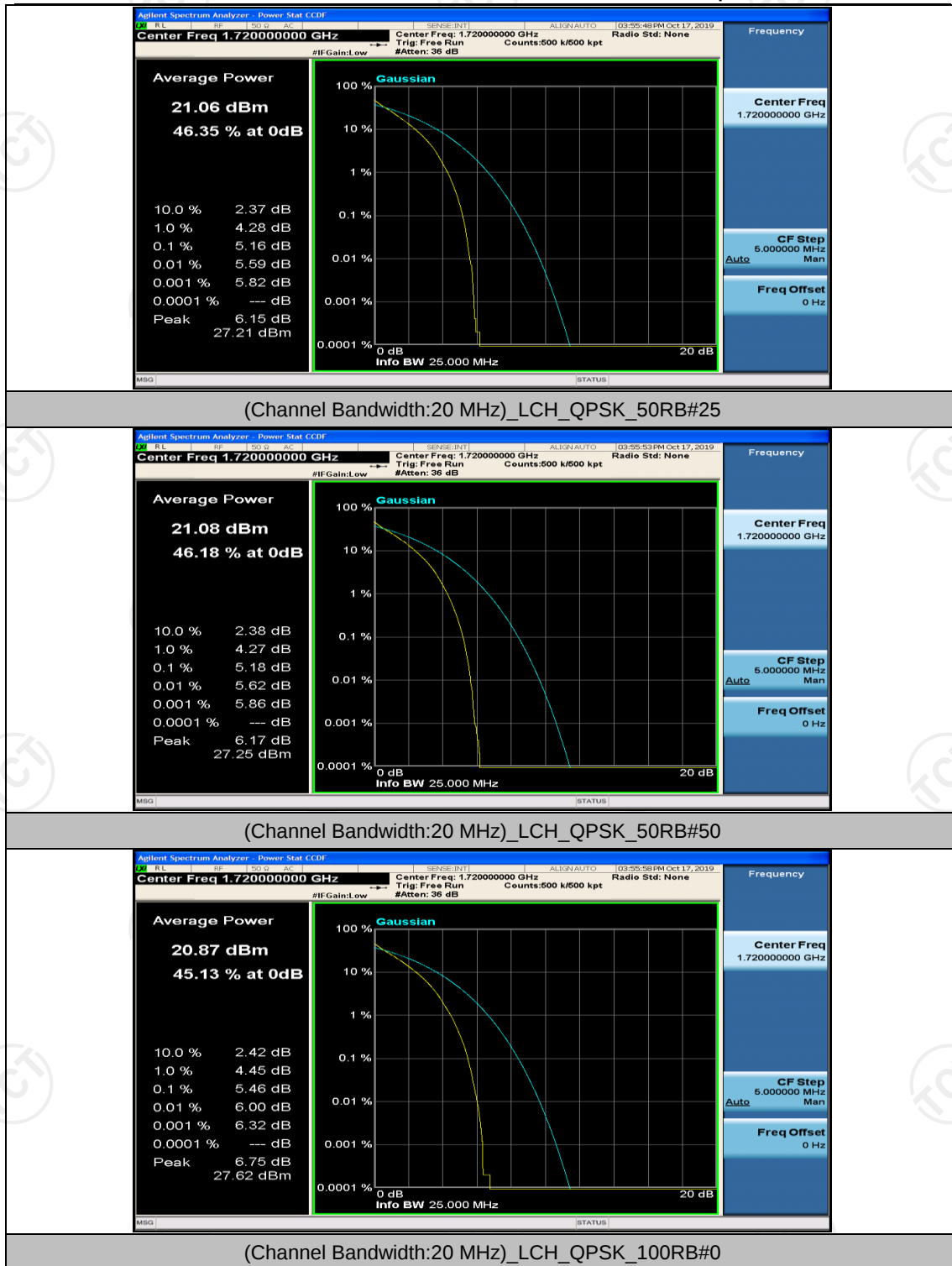
(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

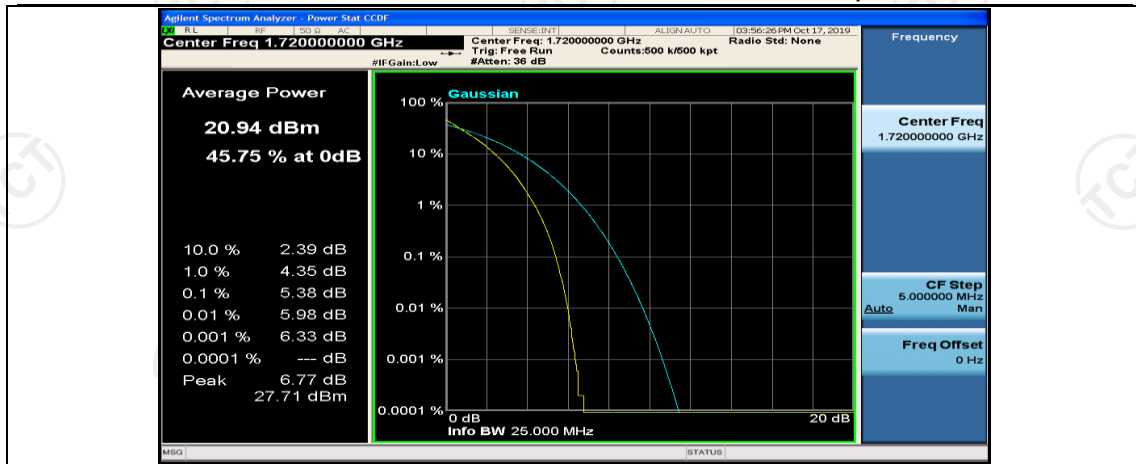


Channel Bandwidth: 20 MHz

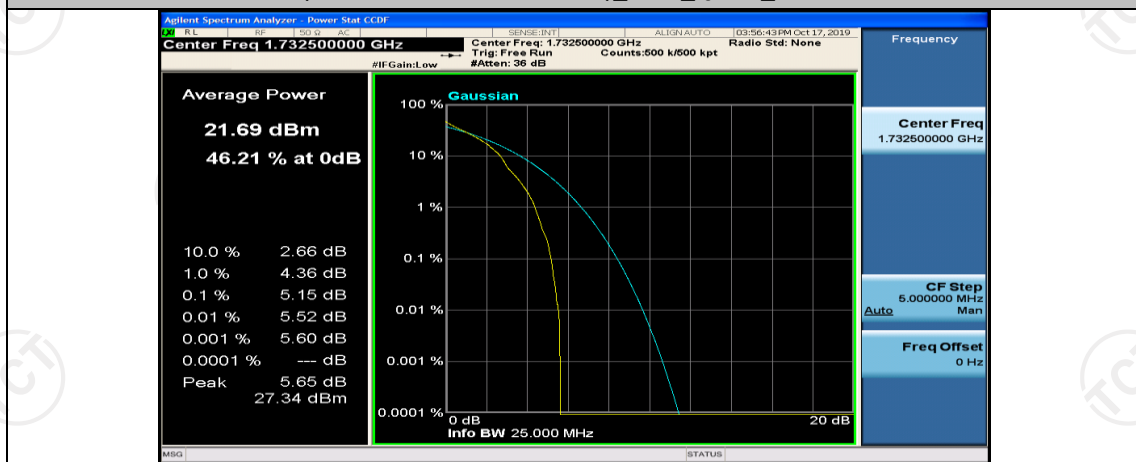
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



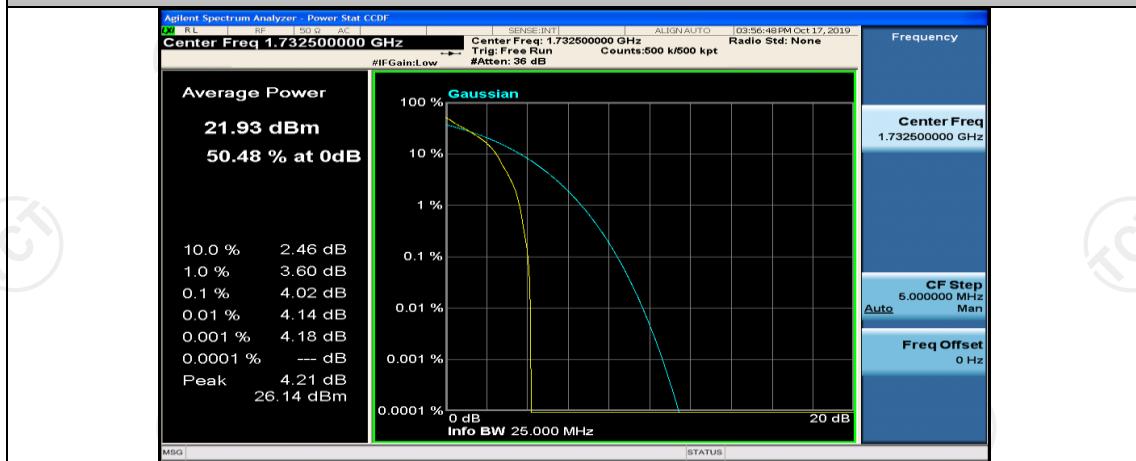




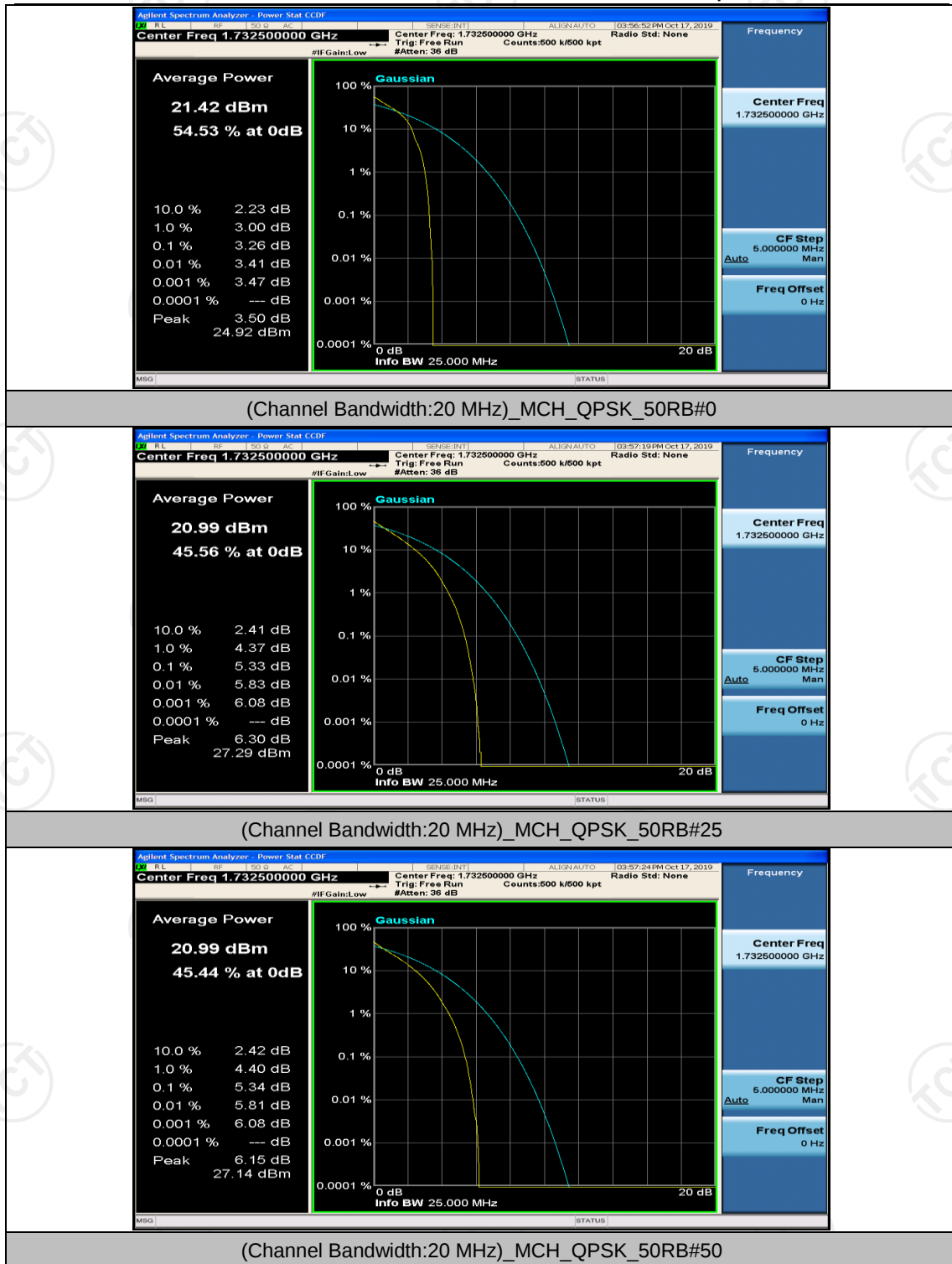
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

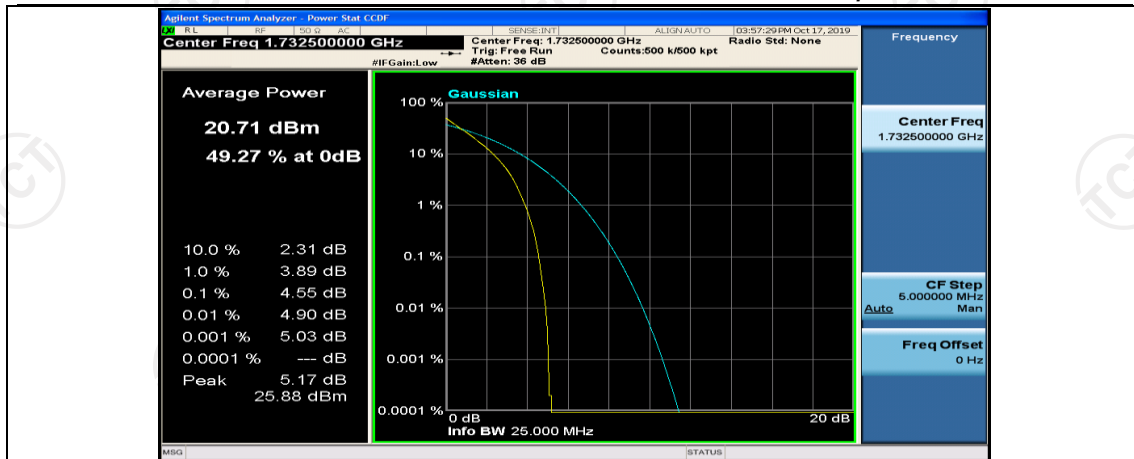


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

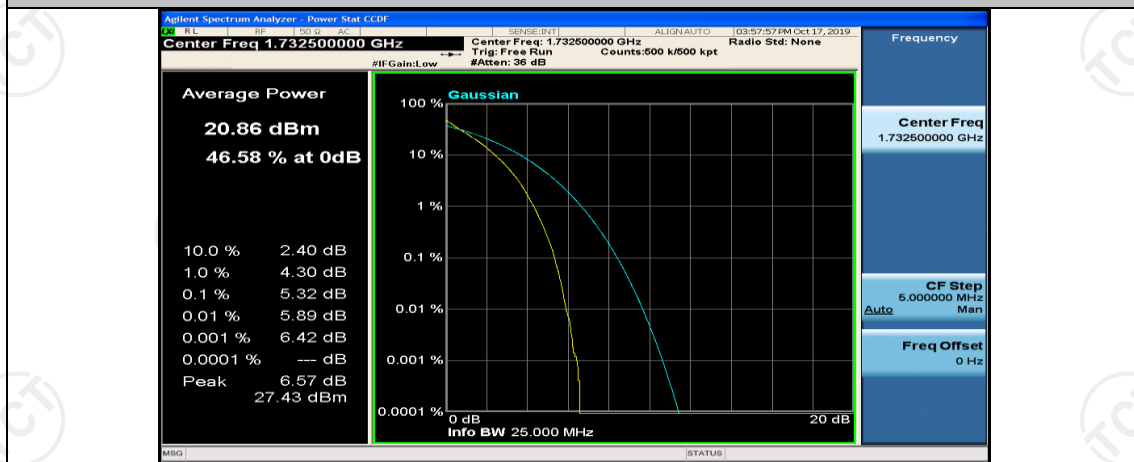


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

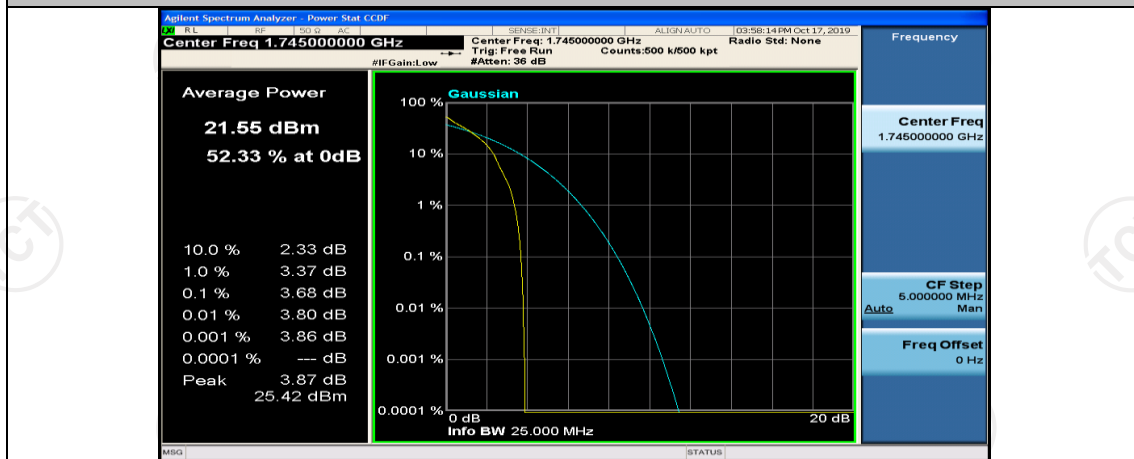




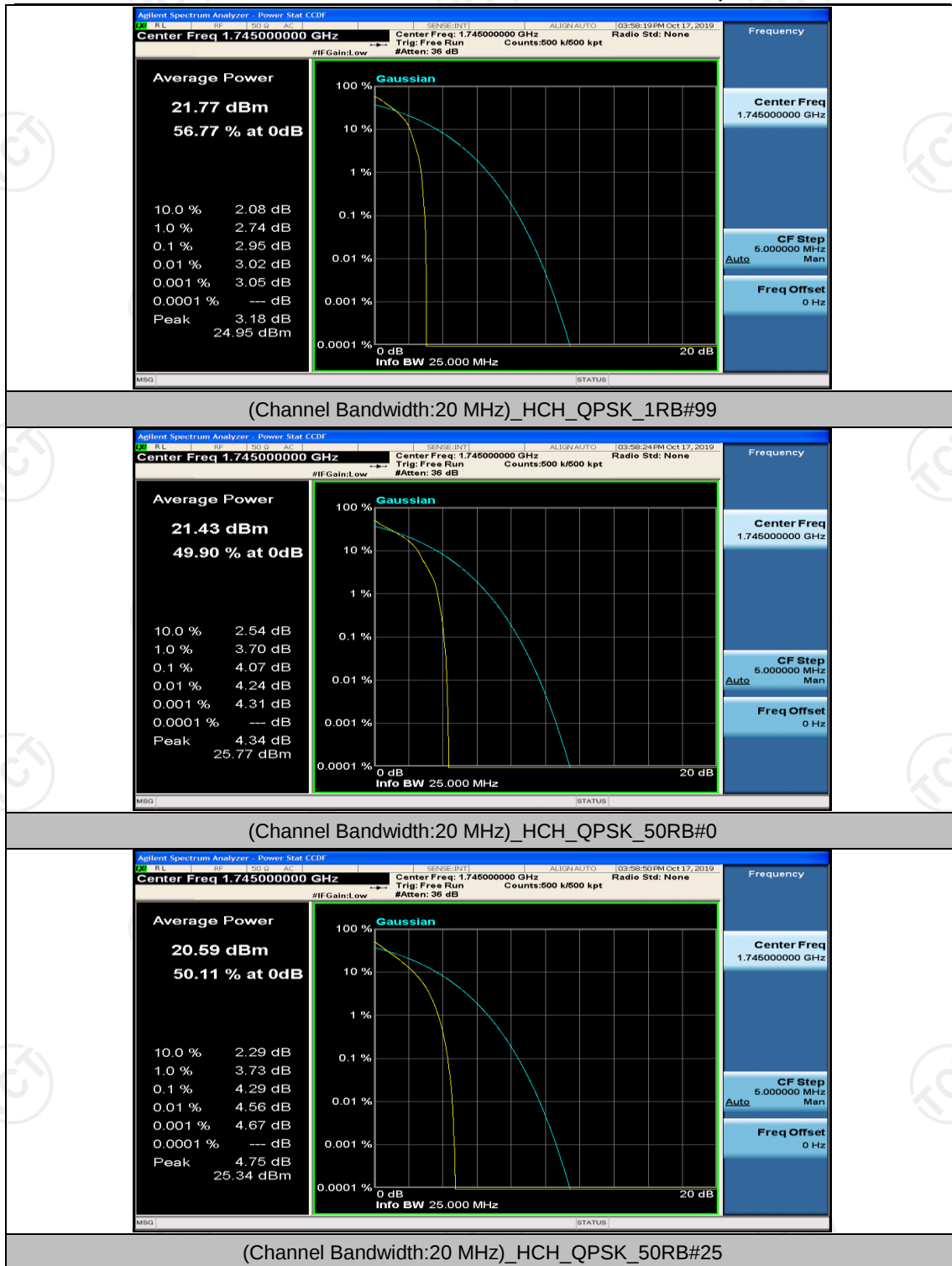
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0

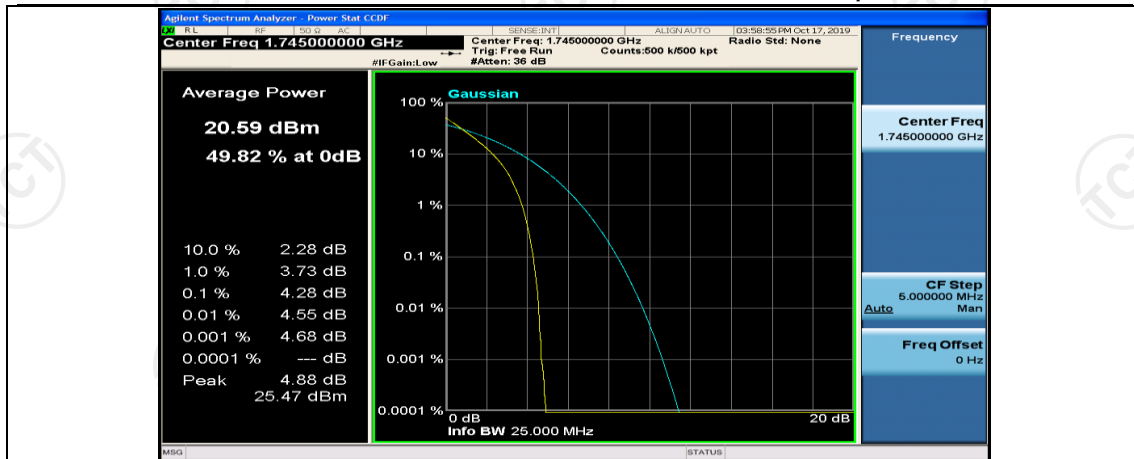


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

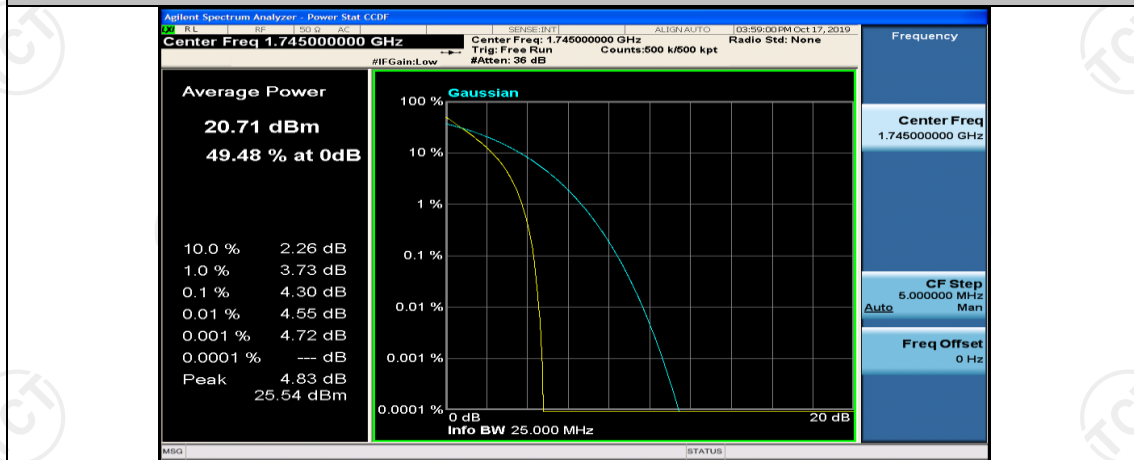


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

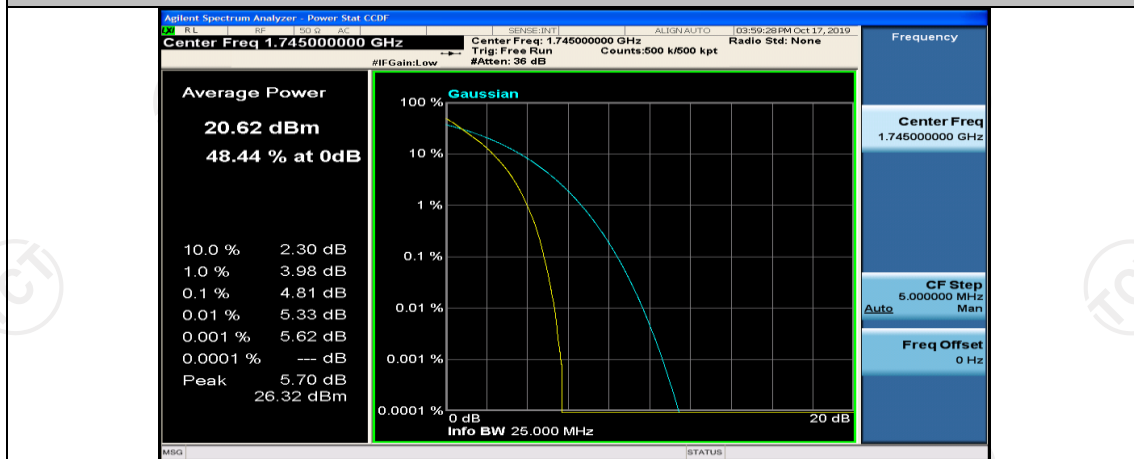




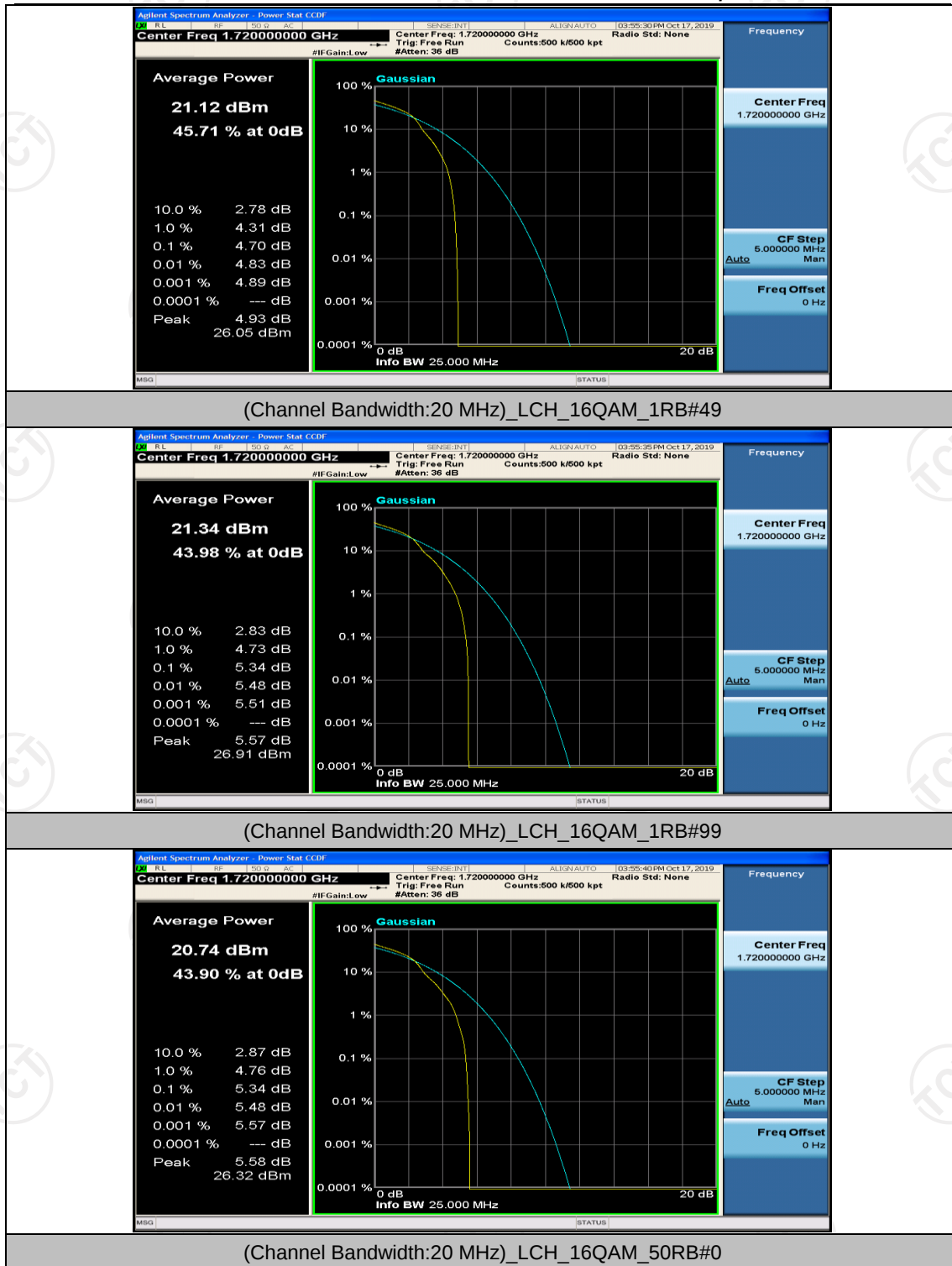
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50

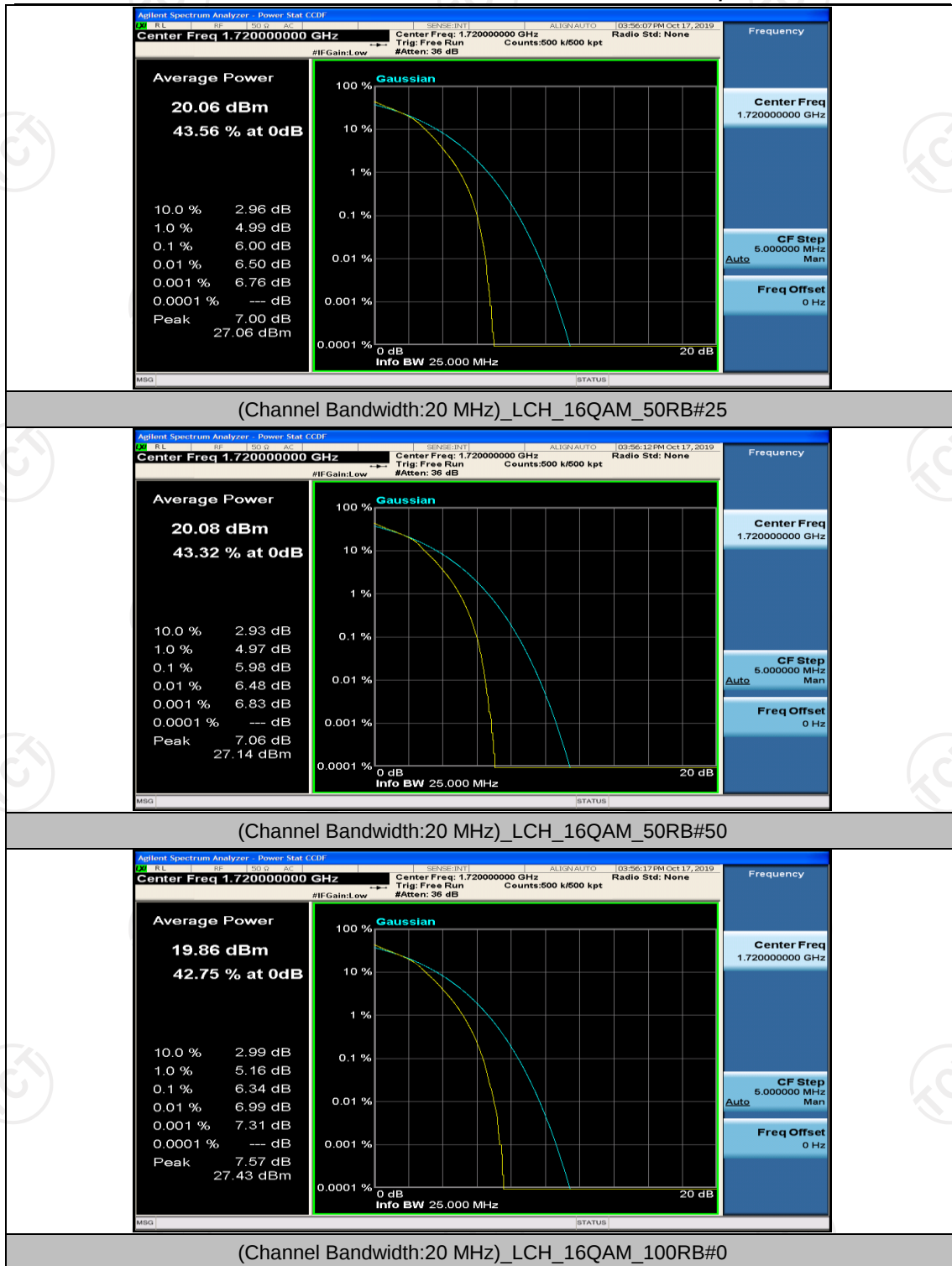


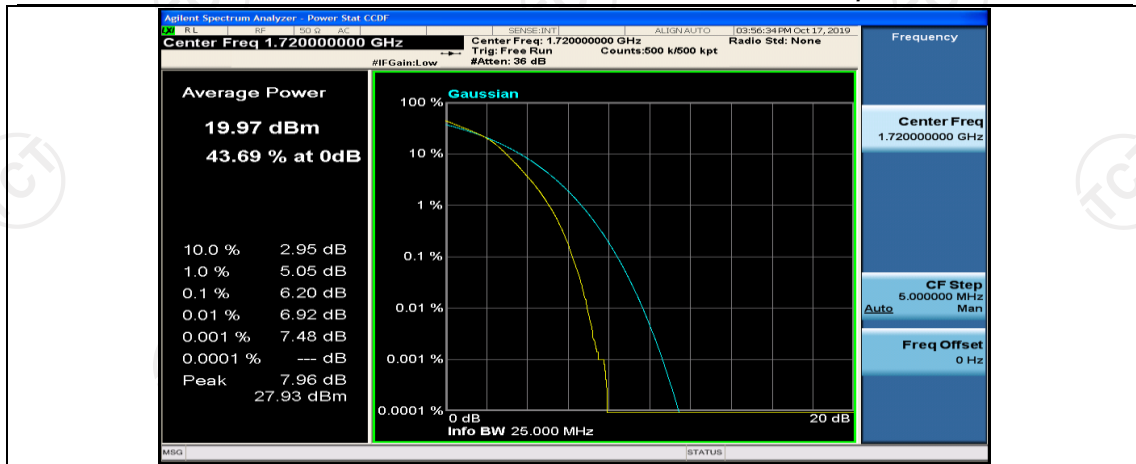
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



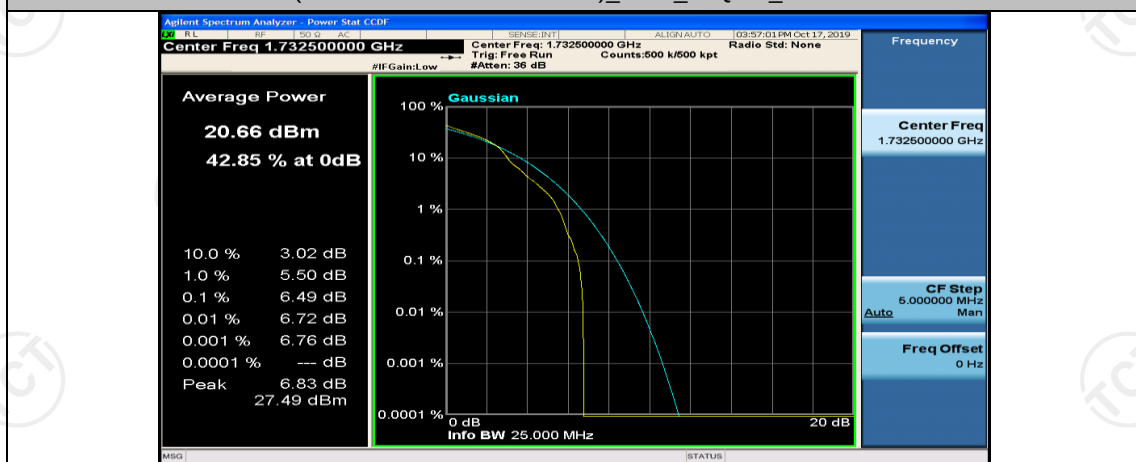
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



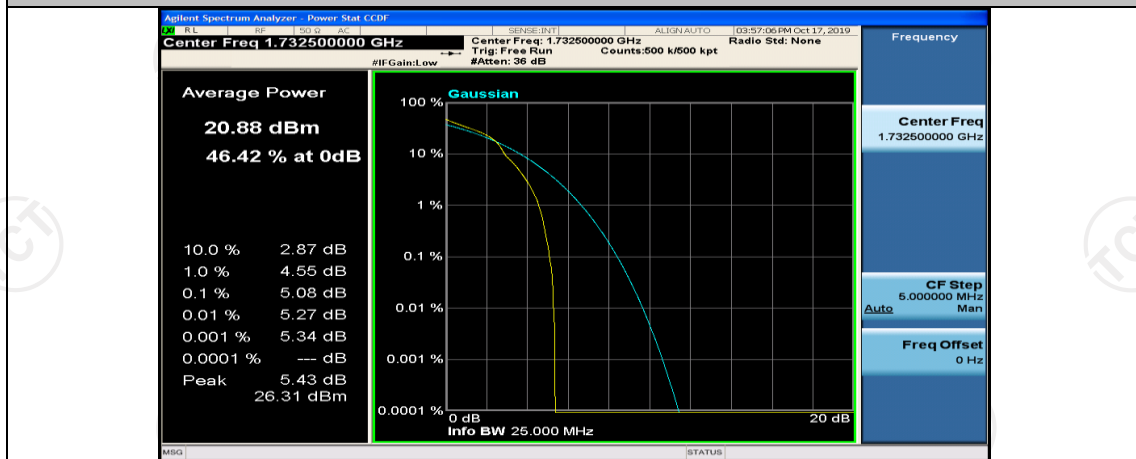




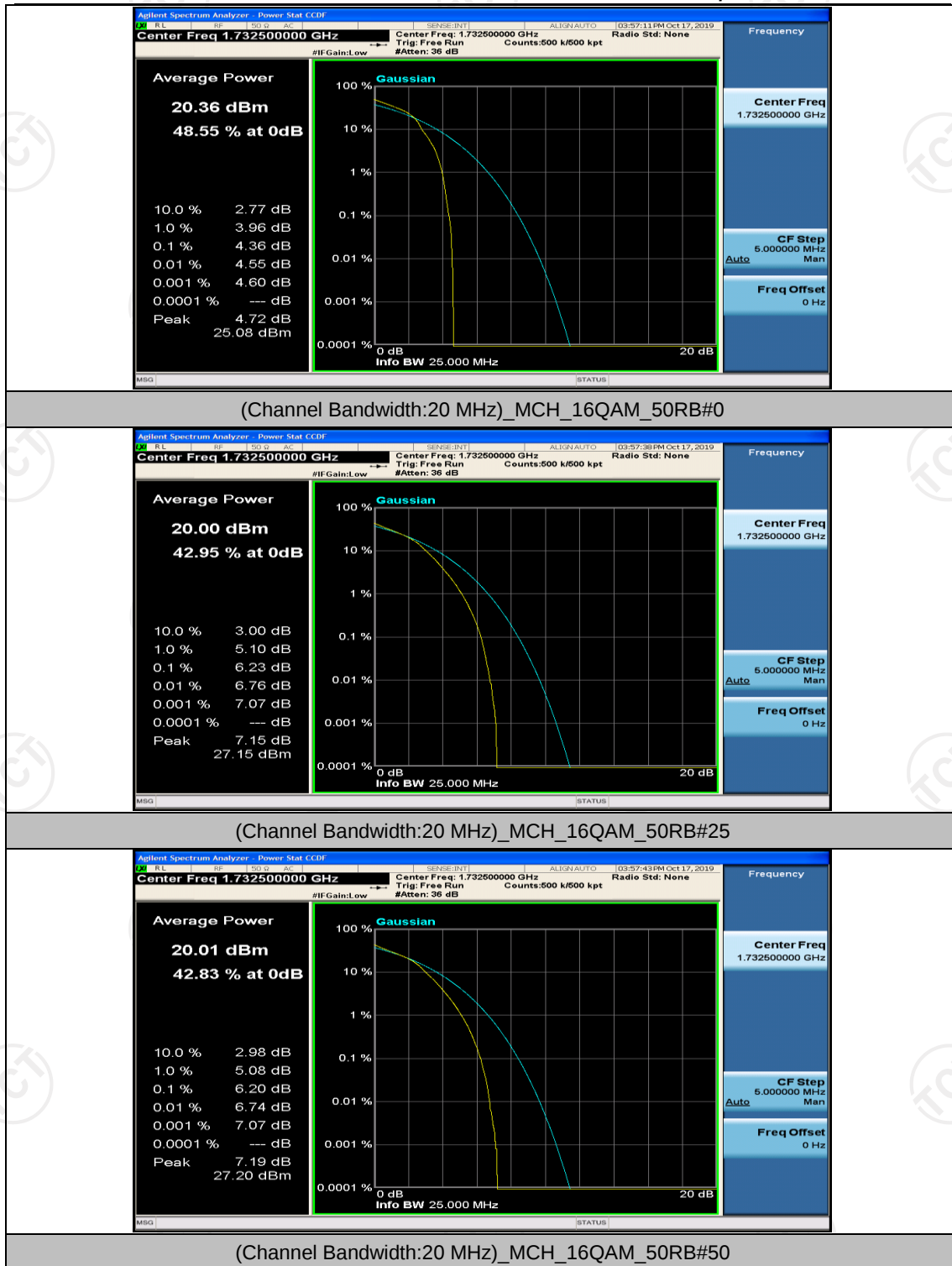
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

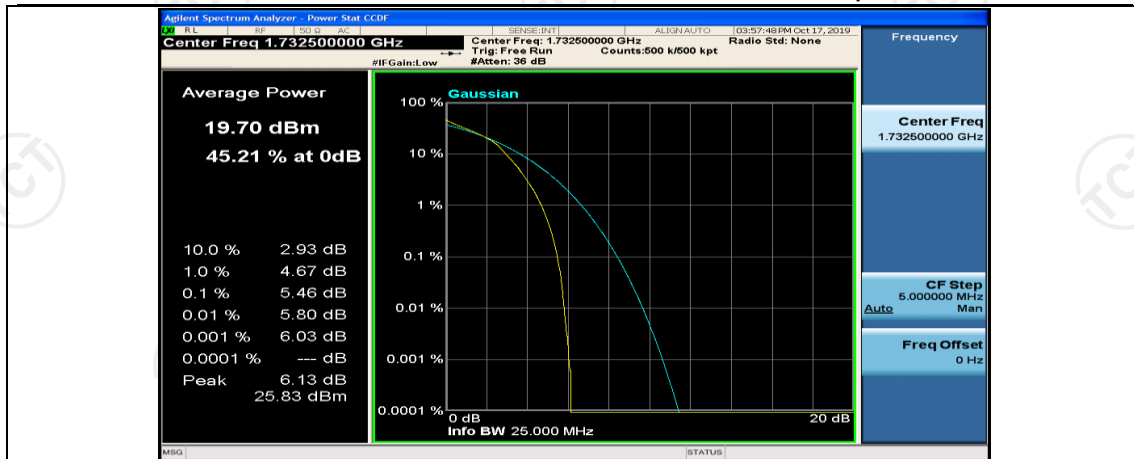


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

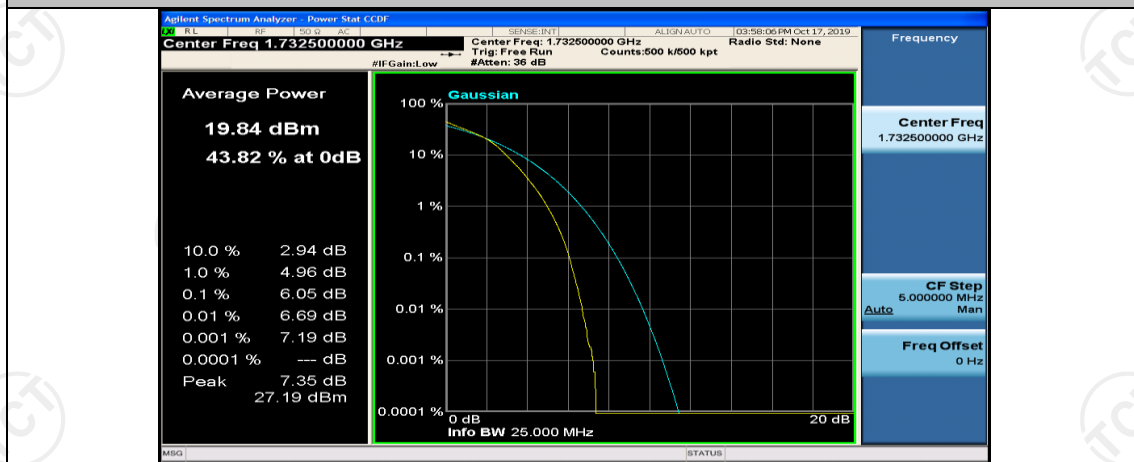


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

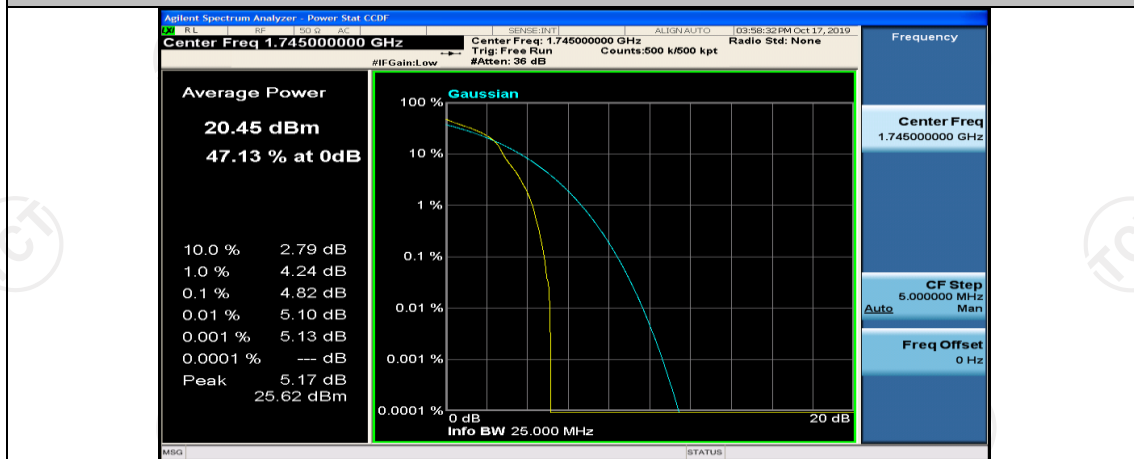




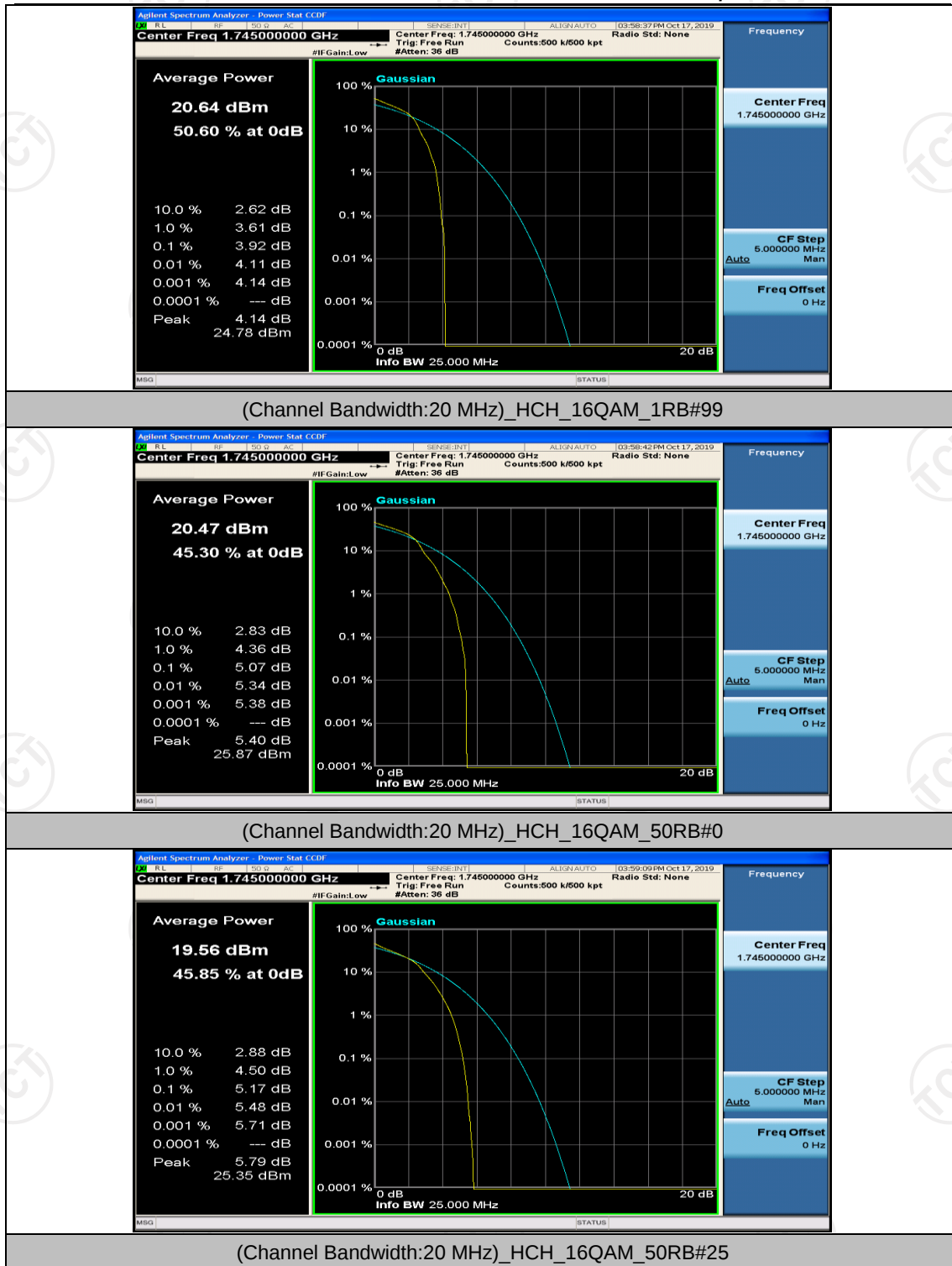
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0

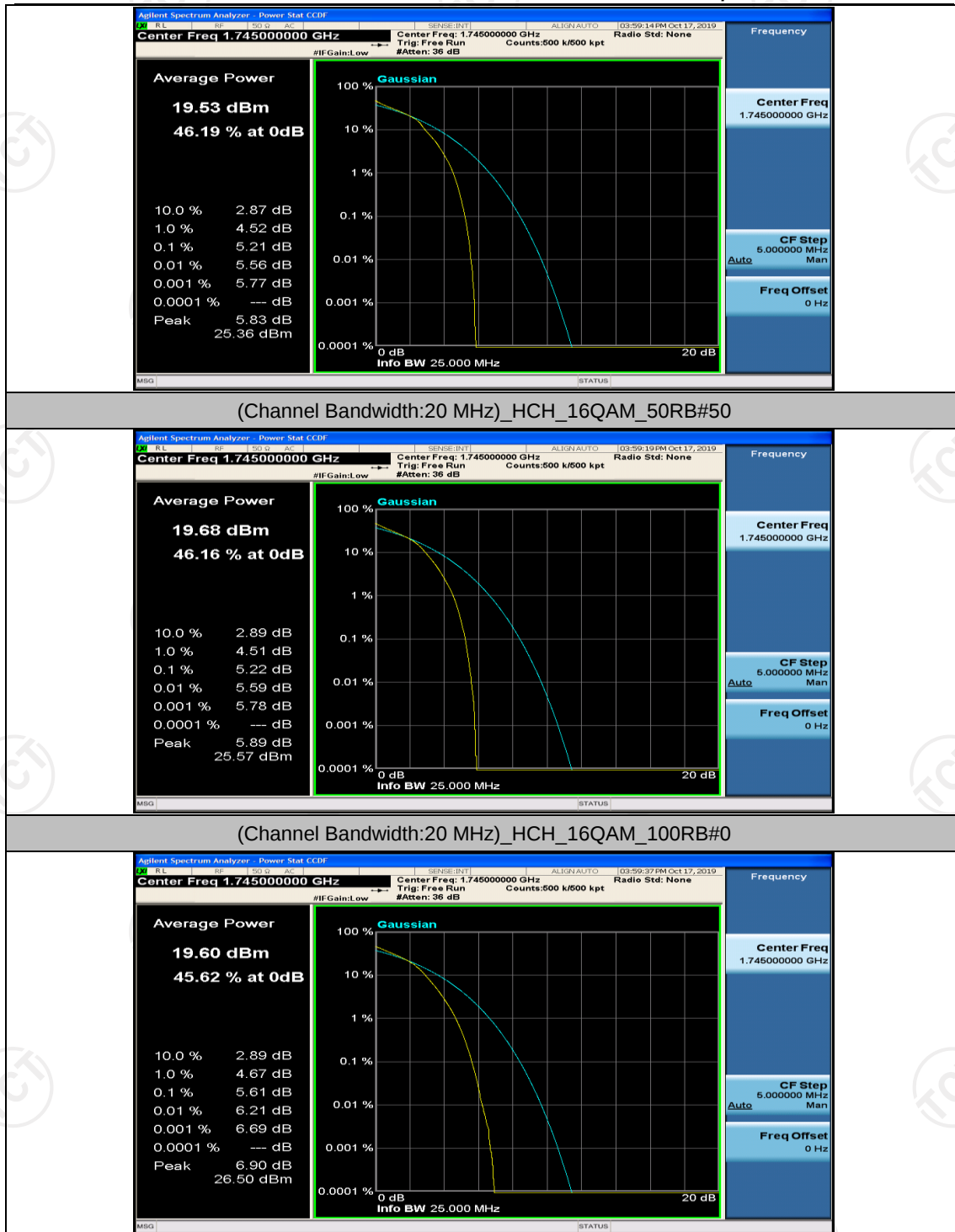


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





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	0.22968	0.3552	PASS
		1	3	0.22672	0.3421	PASS
		1	5	0.22808	0.3723	PASS
		3	0	0.55470	0.7214	PASS
		3	2	0.55314	0.7132	PASS
		3	3	0.55435	0.7319	PASS
		6	0	1.0759	1.208	PASS
	MCH	1	0	0.22609	0.3478	PASS
		1	3	0.23685	0.3644	PASS
		1	5	0.22926	0.3660	PASS
		3	0	0.55334	0.7398	PASS
		3	2	0.55373	0.7528	PASS
		3	3	0.55270	0.7127	PASS
		6	0	1.0805	1.231	PASS
	HCH	1	0	0.23364	0.3666	PASS
		1	3	0.22609	0.3607	PASS
		1	5	0.23110	0.3886	PASS
		3	0	0.55065	0.7535	PASS
		3	2	0.55292	0.7538	PASS
		3	3	0.55713	0.7325	PASS
		6	0	1.0778	1.210	PASS
16QAM	LCH	1	0	0.23381	0.3873	PASS
		1	3	0.23430	0.3760	PASS
		1	5	0.23781	0.3584	PASS
		3	0	0.55277	0.7428	PASS
		3	2	0.55055	0.7501	PASS
		3	3	0.55239	0.7073	PASS
		6	0	1.0774	1.243	PASS
	MCH	1	0	0.23624	0.3644	PASS
		1	3	0.22881	0.3532	PASS

		1	5	0.22899	0.3745	PASS
		3	0	0.55042	0.7279	PASS
		3	2	0.55015	0.6924	PASS
		3	3	0.55050	0.7404	PASS
		6	0	1.0790	1.234	PASS
	HCH	1	0	0.23669	0.3567	PASS
		1	3	0.22915	0.3917	PASS
		1	5	0.23717	0.3946	PASS
		3	0	0.55473	0.7304	PASS
		3	2	0.55411	0.7281	PASS
		3	3	0.55247	0.7102	PASS
		6	0	1.0756	1.202	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	0.26647	0.4046	PASS
		1	7	0.25253	0.4215	PASS
		1	14	0.26905	0.4038	PASS
		8	0	1.4414	1.650	PASS
		8	4	1.4426	1.635	PASS
		8	7	1.4415	1.645	PASS
		15	0	2.6712	2.825	PASS
	MCH	1	0	0.26135	0.4028	PASS
		1	7	0.26381	0.4280	PASS
		1	14	0.26818	0.4101	PASS
		8	0	1.4405	1.642	PASS
		8	4	1.4414	1.632	PASS
		8	7	1.4416	1.619	PASS
		15	0	2.6810	2.836	PASS
	HCH	1	0	0.26978	0.4135	PASS
		1	7	0.26759	0.4448	PASS
		1	14	0.26210	0.3935	PASS
		8	0	1.4411	1.652	PASS
		8	4	1.4436	1.673	PASS
		8	7	1.4426	1.649	PASS
		15	0	2.6837	2.830	PASS

16QAM	LCH	1	0	0.26675	0.4031	PASS
		1	7	0.26748	0.3958	PASS
		1	14	0.25791	0.3716	PASS
		8	0	1.4458	1.645	PASS
		8	4	1.4464	1.651	PASS
		8	7	1.4503	1.626	PASS
		15	0	2.6726	2.836	PASS
	MCH	1	0	0.25593	0.3938	PASS
		1	7	0.27017	0.4281	PASS
		1	14	0.26189	0.4089	PASS
		8	0	1.4449	1.620	PASS
		8	4	1.4464	1.629	PASS
		8	7	1.4416	1.649	PASS
		15	0	2.6815	2.826	PASS
	HCH	1	0	0.26513	0.4324	PASS
		1	7	0.27185	0.4381	PASS
		1	14	0.26946	0.4396	PASS
		8	0	1.4468	1.638	PASS
		8	4	1.4483	1.658	PASS
		8	7	1.4464	1.664	PASS
		15	0	2.6805	2.833	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	0.34076	0.6096	PASS
		1	12	0.35122	0.5804	PASS
		1	24	0.35735	0.6080	PASS
		12	0	2.1805	2.657	PASS
		12	6	2.1817	2.612	PASS
		12	13	2.1818	2.620	PASS
		25	0	4.4756	4.913	PASS
	MCH	1	0	0.34927	0.6011	PASS
		1	12	0.35502	0.5593	PASS
		1	24	0.34828	0.5767	PASS
		12	0	2.1749	2.598	PASS
		12	6	2.1765	2.562	PASS

		12	13	2.1795	2.569	PASS
		25	0	4.4722	4.953	PASS
	HCH	1	0	0.36382	0.5847	PASS
		1	12	0.36673	0.5699	PASS
		1	24	0.35082	0.5795	PASS
		12	0	2.1712	2.542	PASS
		12	6	2.1762	2.543	PASS
		12	13	2.1747	2.593	PASS
		25	0	4.4783	4.838	PASS
16QAM	LCH	1	0	0.37259	0.6067	PASS
		1	12	0.38190	0.5546	PASS
		1	24	0.36984	0.5608	PASS
		12	0	2.1820	2.567	PASS
		12	6	2.1734	2.588	PASS
		12	13	2.1729	2.581	PASS
		25	0	4.4746	4.863	PASS
	MCH	1	0	0.33518	0.5736	PASS
		1	12	0.35381	0.5553	PASS
		1	24	0.33886	0.5642	PASS
		12	0	2.1722	2.500	PASS
		12	6	2.1725	2.532	PASS
		12	13	2.1715	2.539	PASS
		25	0	4.4803	4.931	PASS
	HCH	1	0	0.38171	0.5981	PASS
		1	12	0.38920	0.6240	PASS
		1	24	0.39663	0.6002	PASS
		12	0	2.1767	2.569	PASS
		12	6	2.1745	2.629	PASS
		12	13	2.1799	2.599	PASS
		25	0	4.4759	4.822	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	0.44189	0.7007	PASS
		1	25	0.44530	0.6806	PASS
		1	49	0.42090	0.6426	PASS
		25	0	4.5206	5.106	PASS
		25	12	4.5093	4.960	PASS

		25	25	4.5194	5.048	PASS
		50	0	8.9471	9.523	PASS
	MCH	1	0	0.43246	0.6739	PASS
		1	25	0.46418	0.7725	PASS
		1	49	0.44566	0.7038	PASS
		25	0	4.5151	5.006	PASS
		25	12	4.5224	4.983	PASS
		25	25	4.5156	5.073	PASS
		50	0	8.9608	9.488	PASS
	HCH	1	0	0.46125	0.6964	PASS
		1	25	0.45002	0.6895	PASS
		1	49	0.44545	0.6770	PASS
		25	0	4.5157	5.116	PASS
		25	12	4.5175	5.119	PASS
		25	25	4.5034	5.004	PASS
		50	0	8.9395	9.419	PASS
16QAM	LCH	1	0	0.43110	0.6864	PASS
		1	25	0.44974	0.6602	PASS
		1	49	0.44897	0.6615	PASS
		25	0	4.5079	5.056	PASS
		25	12	4.5088	5.027	PASS
		25	25	4.5017	5.034	PASS
		50	0	8.9255	9.439	PASS
	MCH	1	0	0.45972	0.6959	PASS
		1	25	0.45789	0.7585	PASS
		1	49	0.46395	0.6991	PASS
		25	0	4.5058	5.004	PASS
		25	12	4.5049	5.008	PASS
		25	25	4.5078	4.988	PASS
		50	0	8.9557	9.601	PASS
	HCH	1	0	0.45212	0.7307	PASS
		1	25	0.45787	0.7314	PASS
		1	49	0.43321	0.6893	PASS
		25	0	4.5117	5.067	PASS
		25	12	4.5165	5.099	PASS
		25	25	4.5053	5.030	PASS
		50	0	8.9332	9.494	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	0.54053	0.8353	PASS
		1	37	0.53466	0.8204	PASS
		1	74	0.52903	0.8086	PASS
		37	0	13.384	14.18	PASS
		37	18	13.407	14.22	PASS
		37	38	13.404	14.11	PASS
		75	0	13.392	14.16	PASS
	MCH	1	0	0.52322	0.8026	PASS
		1	37	0.55726	0.8346	PASS
		1	74	0.52307	0.7887	PASS
		37	0	13.424	14.16	PASS
		37	18	13.413	14.29	PASS
		37	38	13.421	14.24	PASS
		75	0	13.410	14.24	PASS
	HCH	1	0	0.55853	0.8428	PASS
		1	37	0.55004	0.8121	PASS
		1	74	0.53185	0.7779	PASS
		37	0	13.436	14.22	PASS
		37	18	13.420	14.26	PASS
		37	38	13.419	14.24	PASS
		75	0	13.420	14.26	PASS
16QAM	LCH	1	0	0.55252	0.8321	PASS
		1	37	0.54566	0.7901	PASS
		1	74	0.52676	0.7746	PASS
		37	0	13.392	14.18	PASS
		37	18	13.382	14.16	PASS
		37	38	13.404	14.16	PASS
		75	0	13.383	14.07	PASS
	MCH	1	0	0.53254	0.8115	PASS
		1	37	0.52584	0.7622	PASS
		1	74	0.54915	0.7999	PASS
		37	0	13.428	14.20	PASS
		37	18	13.424	14.35	PASS
		37	38	13.418	14.33	PASS
		75	0	13.422	14.04	PASS
	HCH	1	0	0.53787	0.7478	PASS
		1	37	0.54256	0.8377	PASS
		1	74	0.55330	0.8008	PASS
		37	0	13.422	14.25	PASS

		37	18	13.411	14.82	PASS
		37	38	13.420	14.21	PASS
		75	0	13.406	14.13	PASS

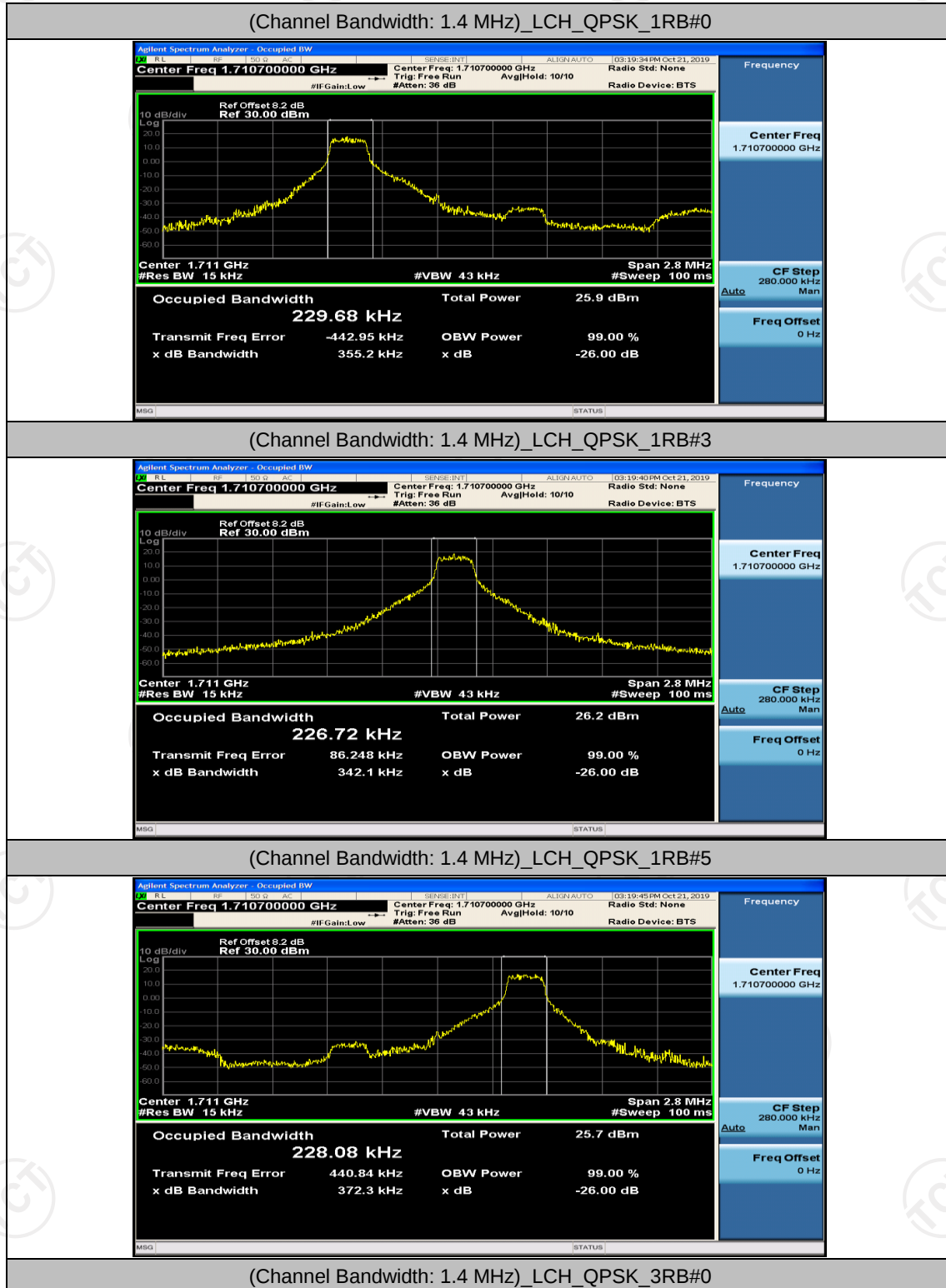
Channel Bandwidth: 20 MHz

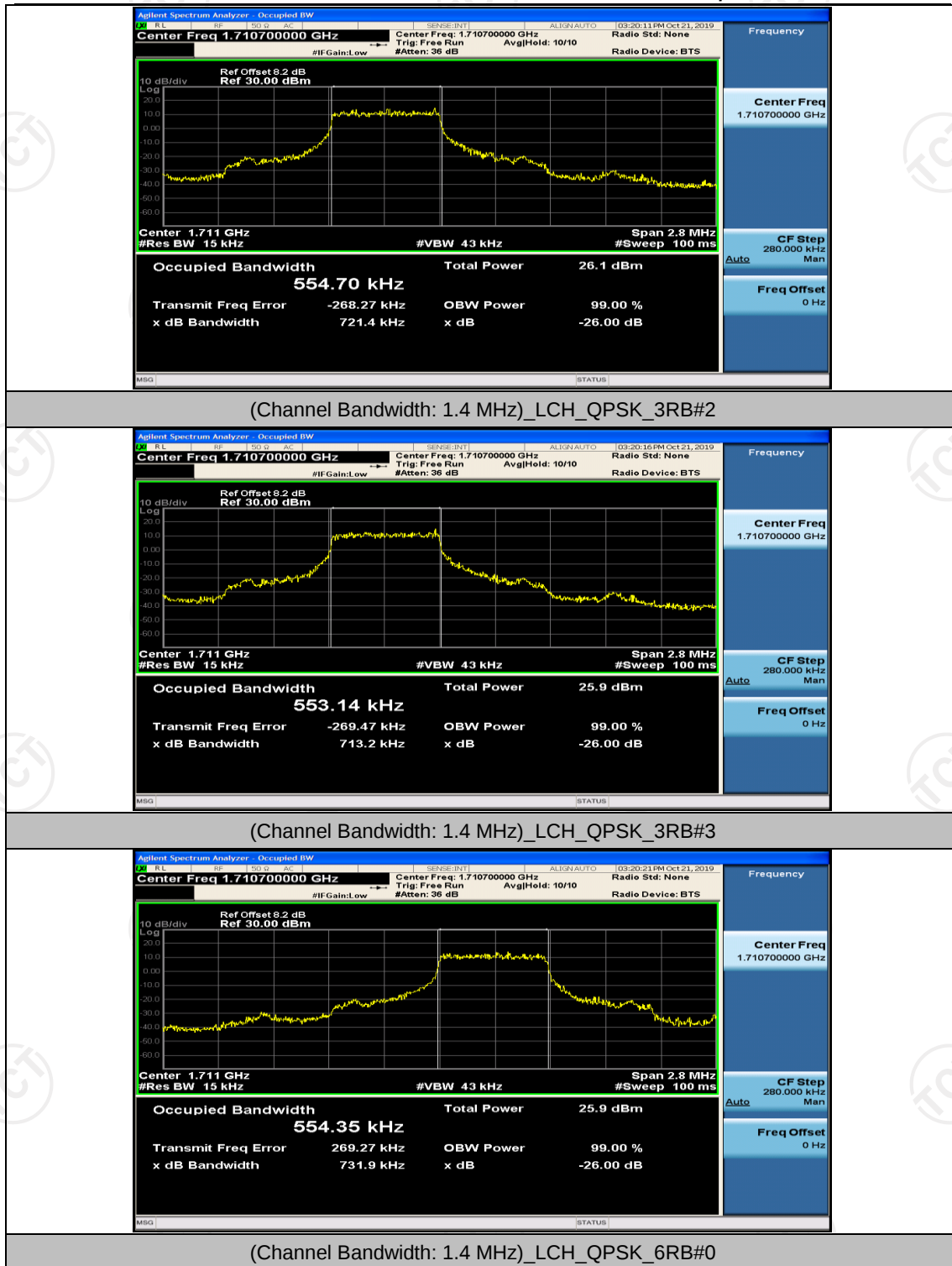
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.61158	0.8919	PASS
		1	50	0.60697	0.8967	PASS
		1	99	0.60802	0.9220	PASS
		50	0	8.9761	9.666	PASS
		50	25	8.9783	9.749	PASS
		50	50	8.9883	9.783	PASS
		100	0	17.840	18.60	PASS
	MCH	1	0	0.58240	0.8618	PASS
		1	50	0.60371	0.8368	PASS
		1	99	0.61255	0.8826	PASS
		50	0	9.0138	9.629	PASS
		50	25	9.0060	9.751	PASS
		50	50	9.0187	9.642	PASS
		100	0	17.883	18.83	PASS
	HCH	1	0	0.59608	0.8417	PASS
		1	50	0.60811	0.9310	PASS
		1	99	0.60088	0.8747	PASS
		50	0	9.0077	9.922	PASS
		50	25	9.0132	9.961	PASS
		50	50	8.9966	9.706	PASS
		100	0	17.885	18.82	PASS
16QAM	LCH	1	0	0.61119	0.8871	PASS
		1	50	0.63142	0.9488	PASS
		1	99	0.63142	0.9451	PASS
		50	0	8.9881	9.743	PASS
		50	25	8.9817	9.606	PASS
		50	50	8.9874	9.710	PASS
		100	0	17.838	18.66	PASS
	MCH	1	0	0.61156	0.9135	PASS
		1	50	0.60692	0.8983	PASS
		1	99	0.61868	0.8785	PASS

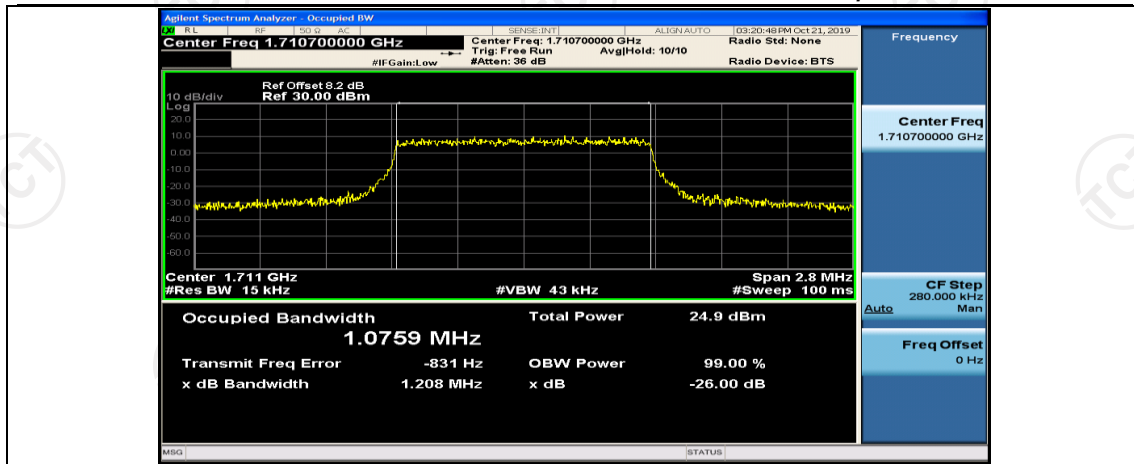
		50	0	9.0117	9.628	PASS
		50	25	9.0015	9.615	PASS
		50	50	8.9916	9.710	PASS
		100	0	17.907	18.70	PASS
	HCH	1	0	0.62406	0.9214	PASS
		1	50	0.61995	0.9216	PASS
		1	99	0.62877	0.9810	PASS
		50	0	8.9938	9.748	PASS
		50	25	8.9993	9.819	PASS
		50	50	8.9913	9.639	PASS
		100	0	17.891	18.74	PASS

Test Graphs

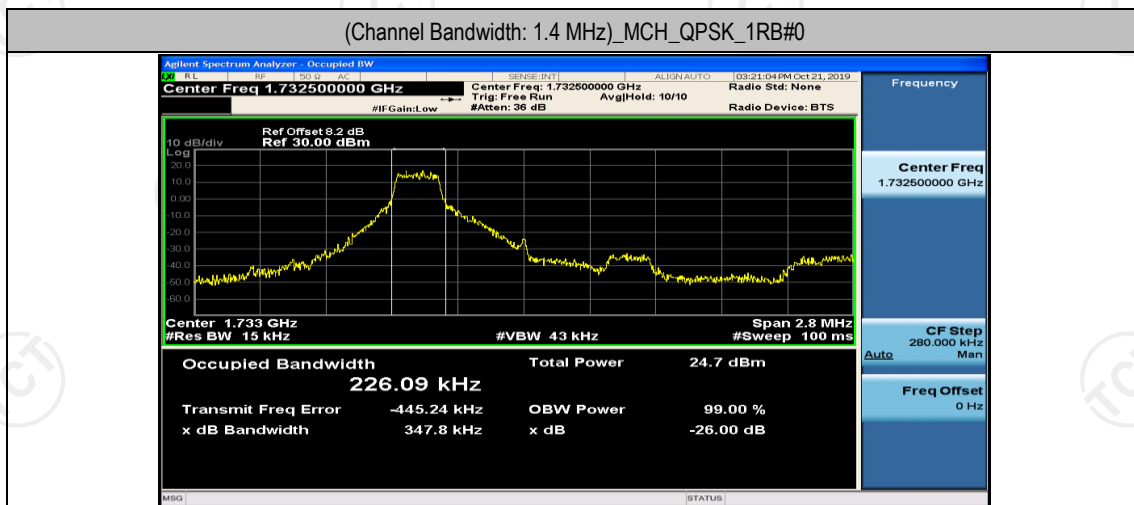
Channel Bandwidth: 1.4 MHz



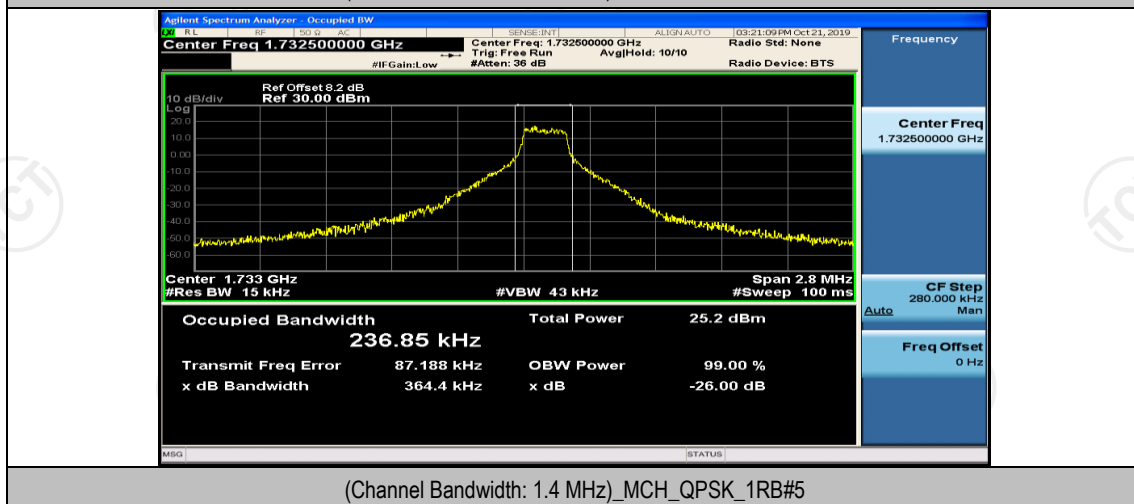




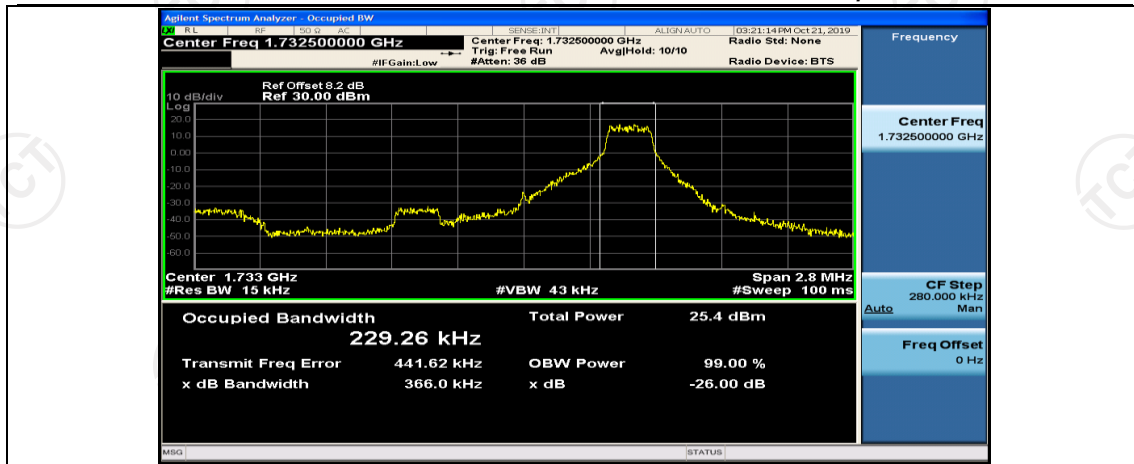
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



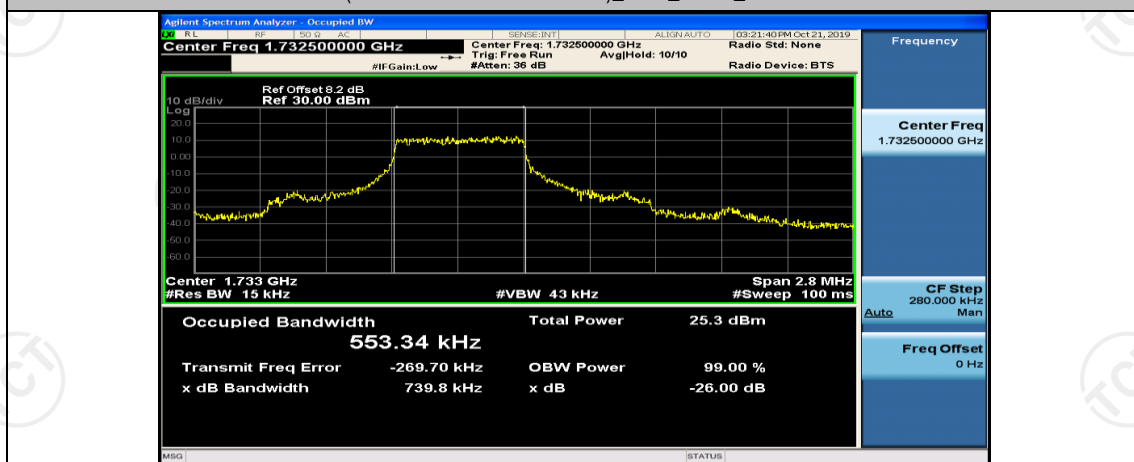
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



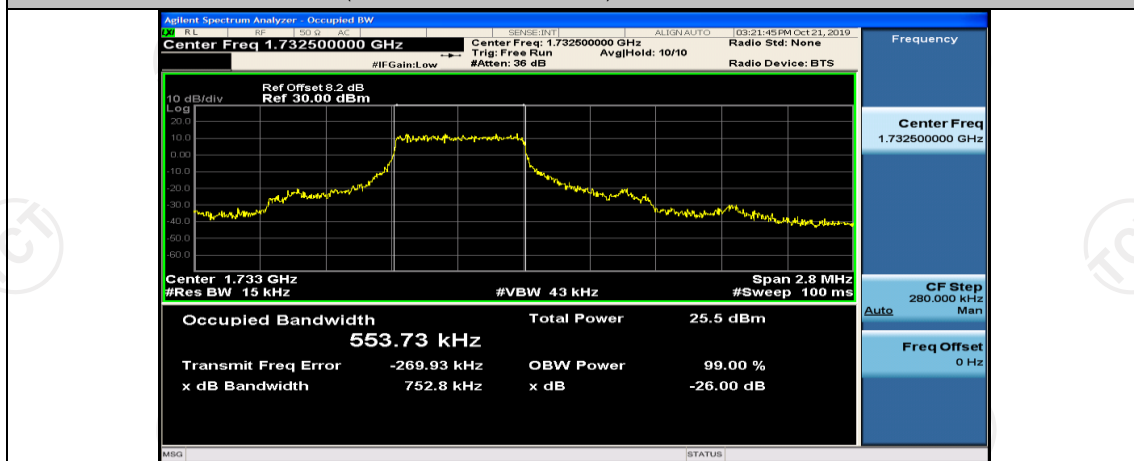
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



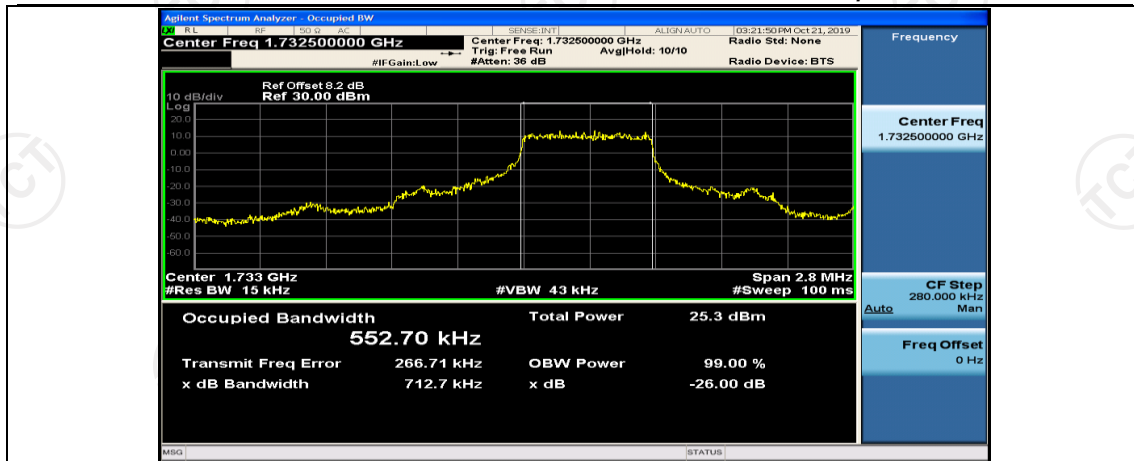
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



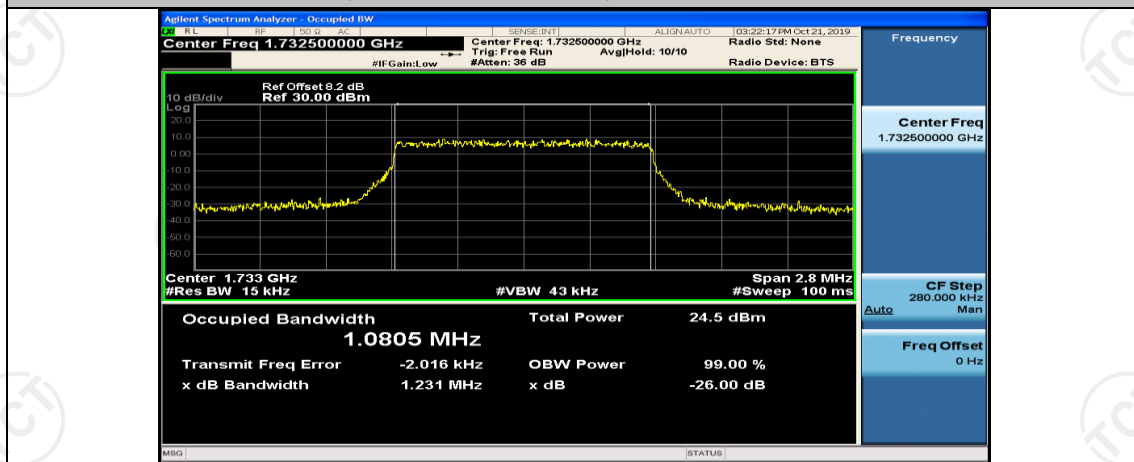
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



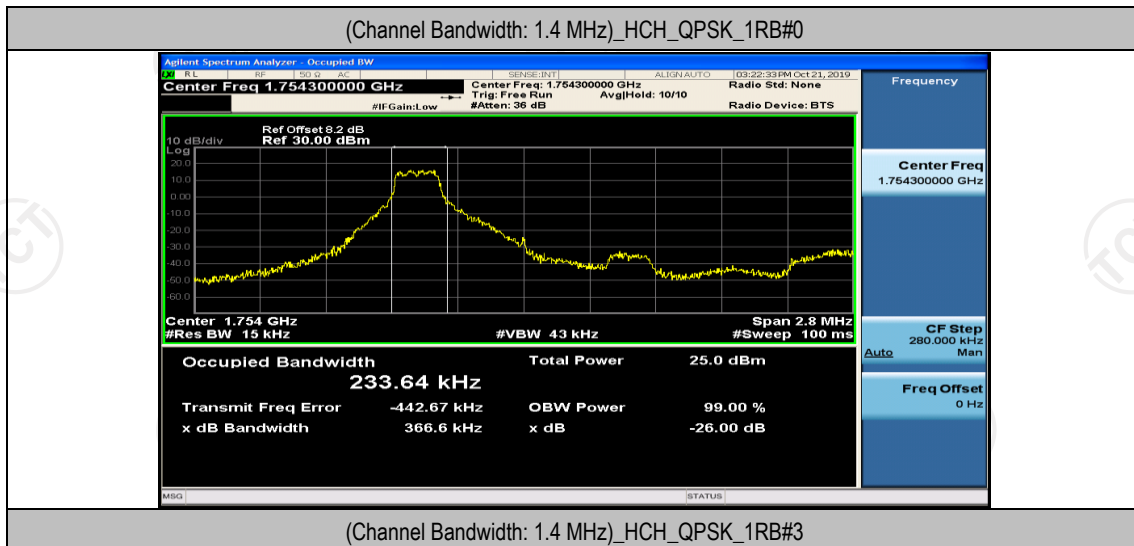
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



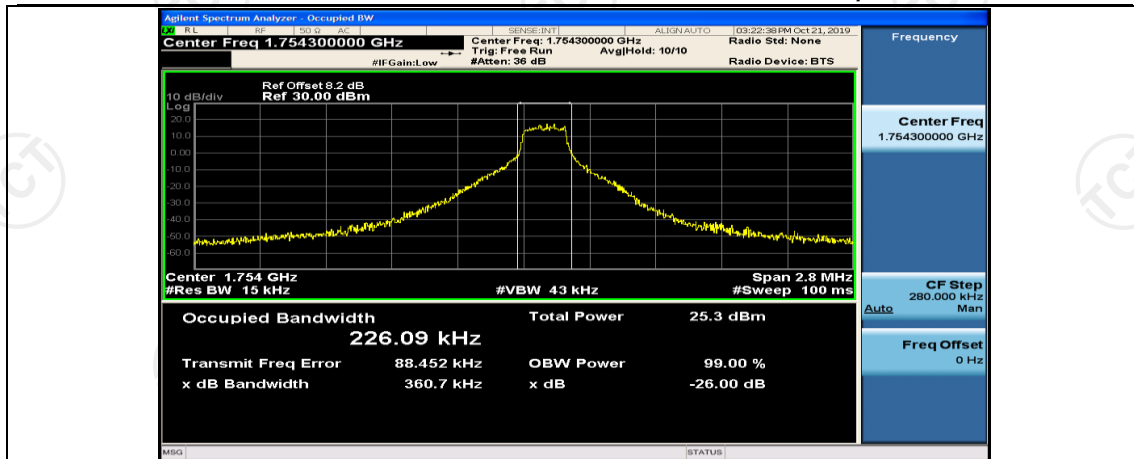
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



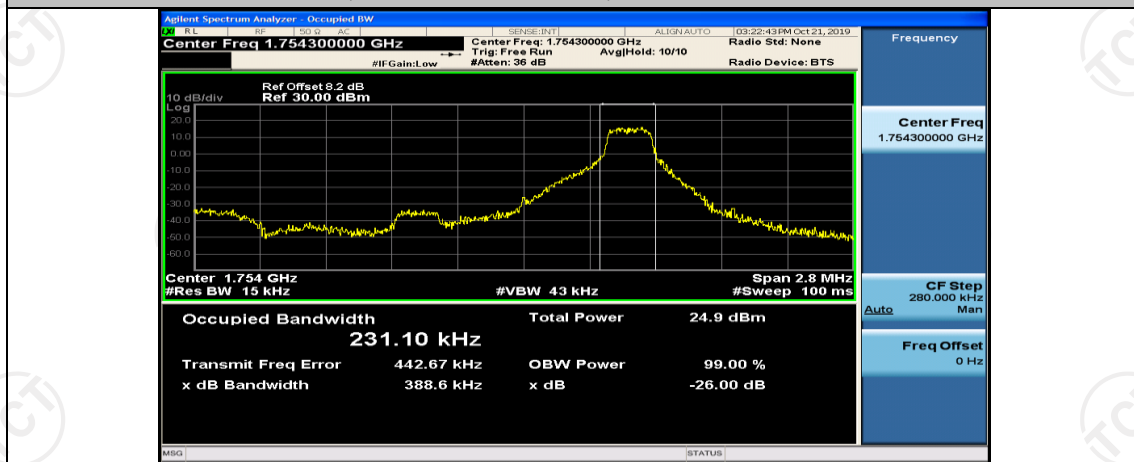
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



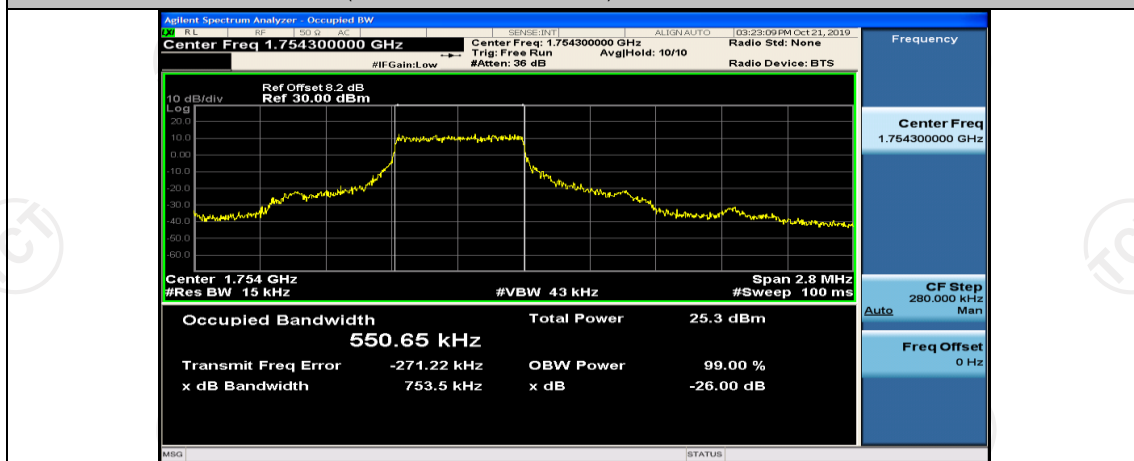
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



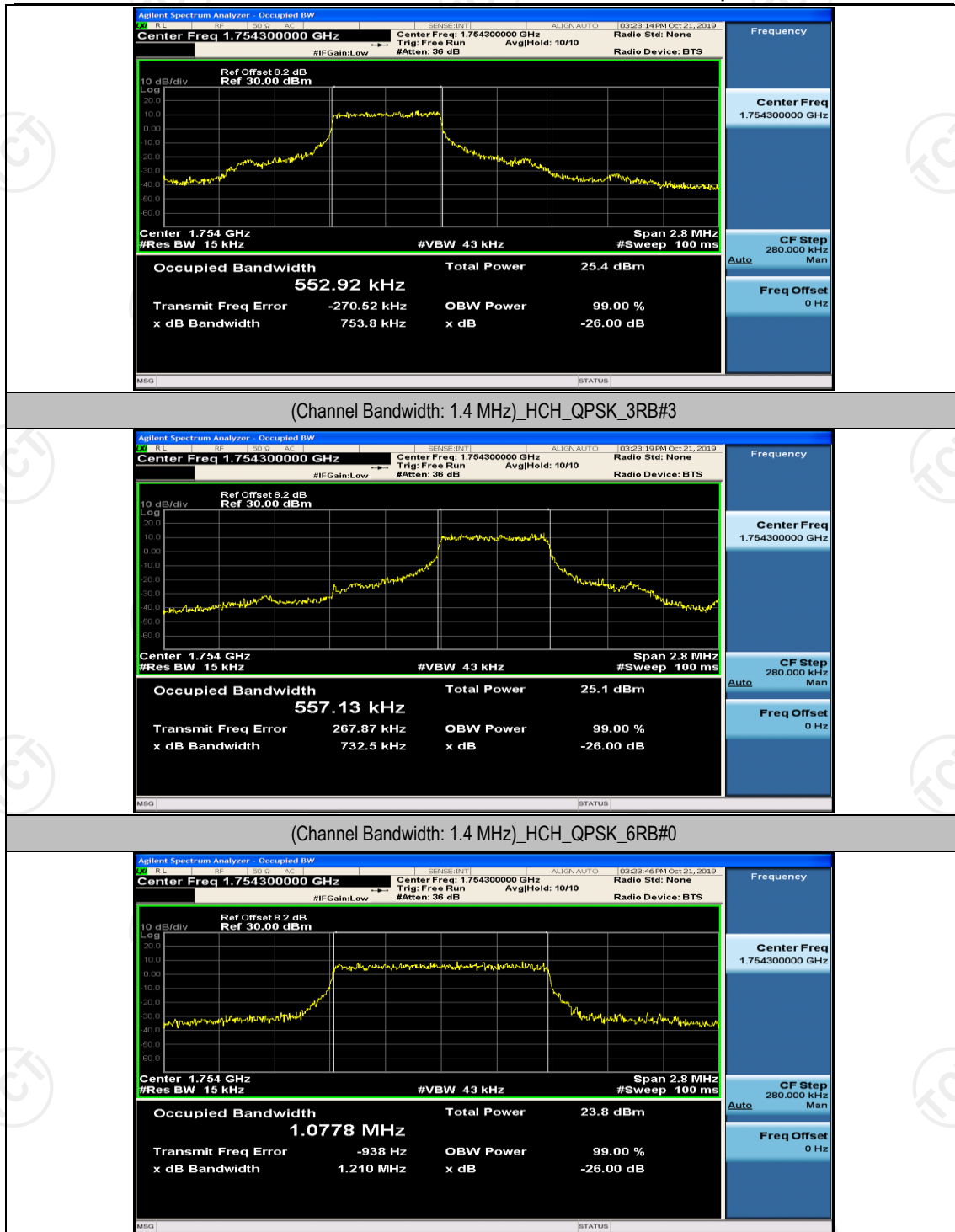
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



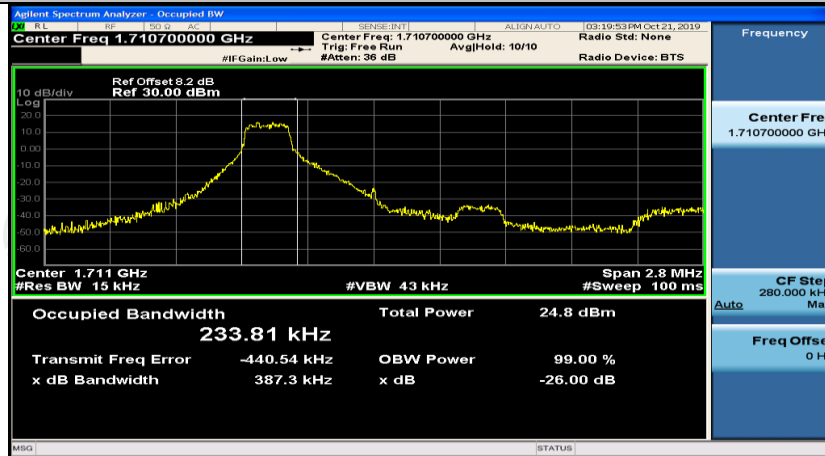
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



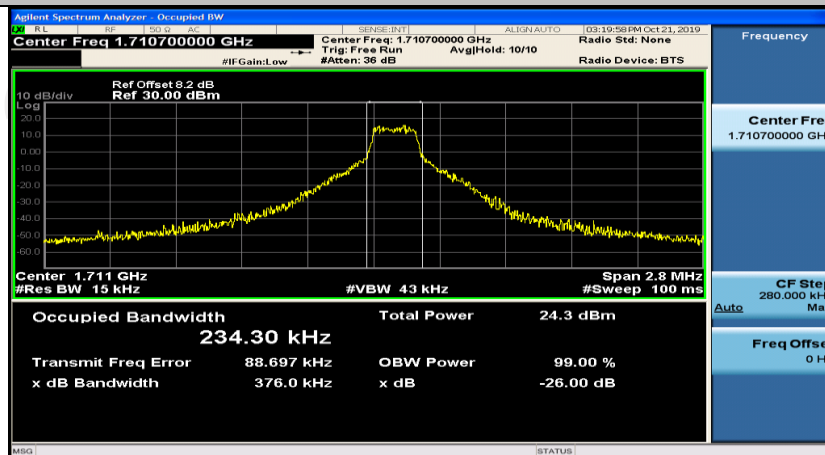
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



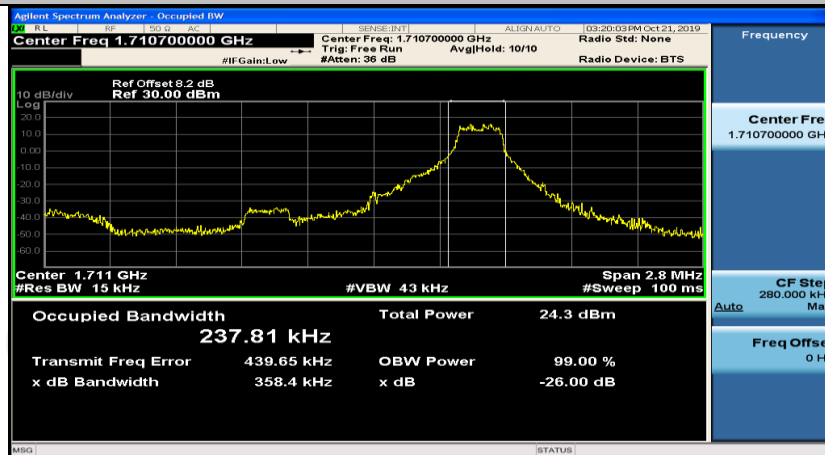
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



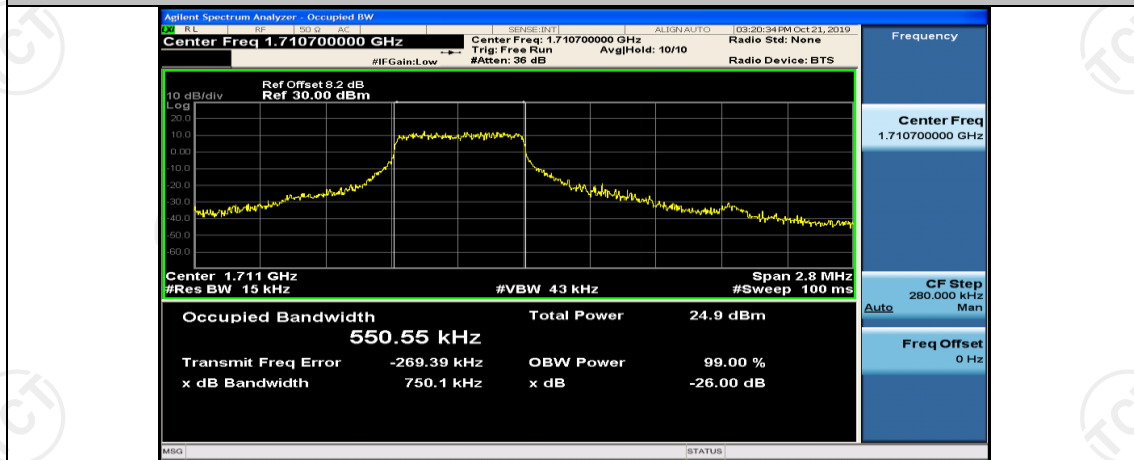
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



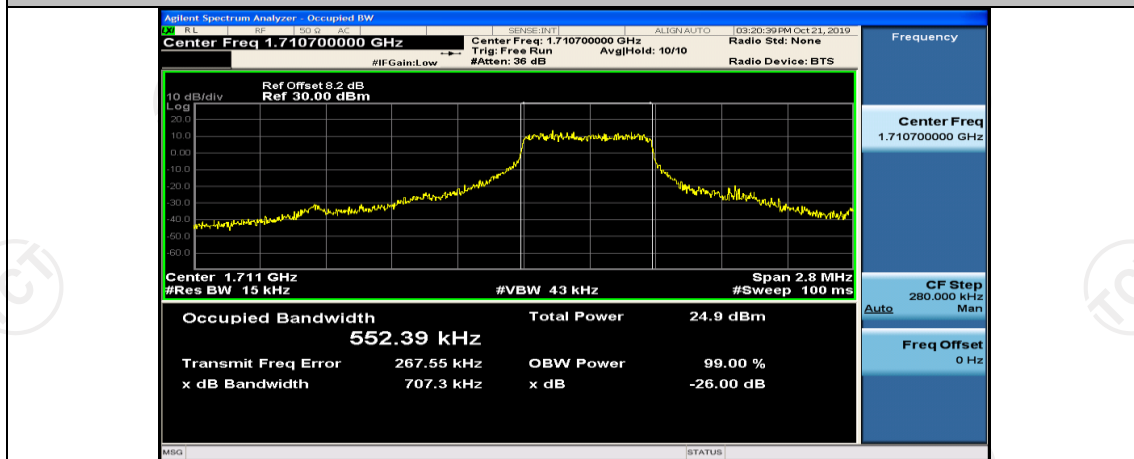
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



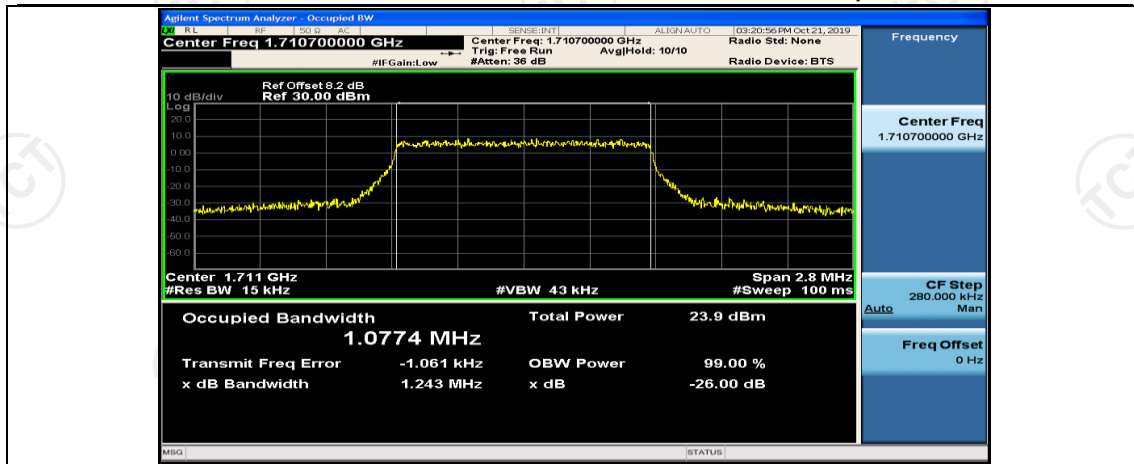
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



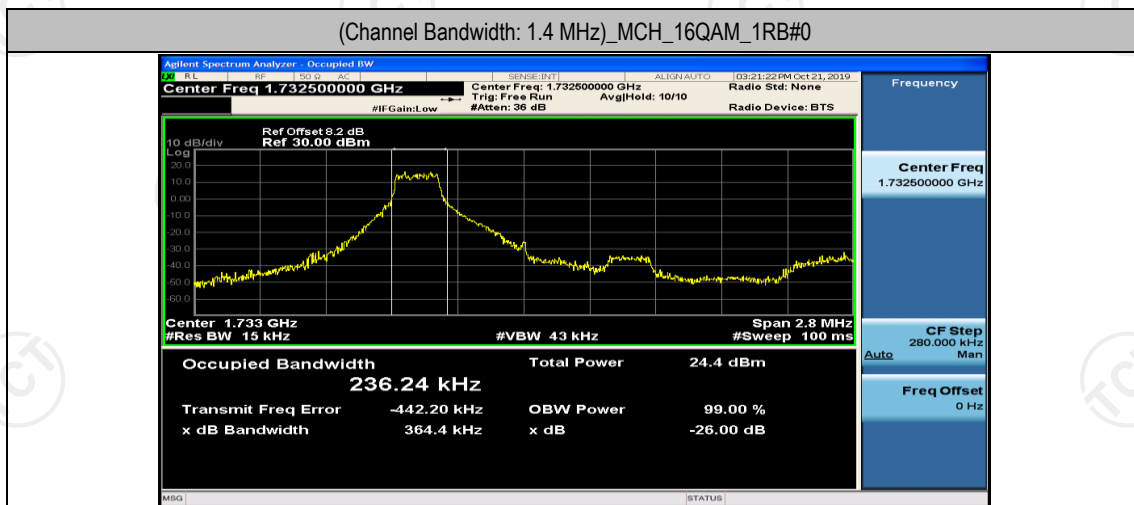
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



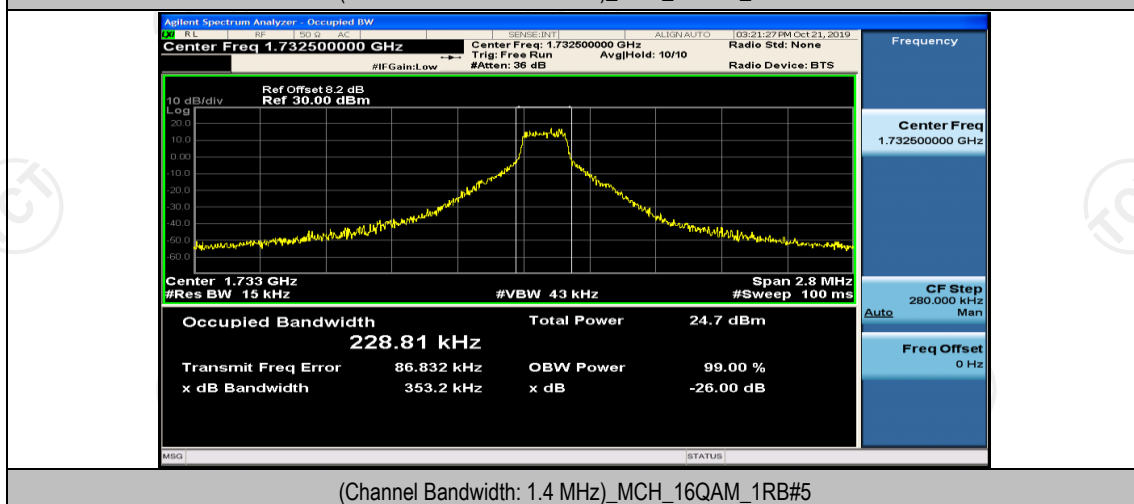
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



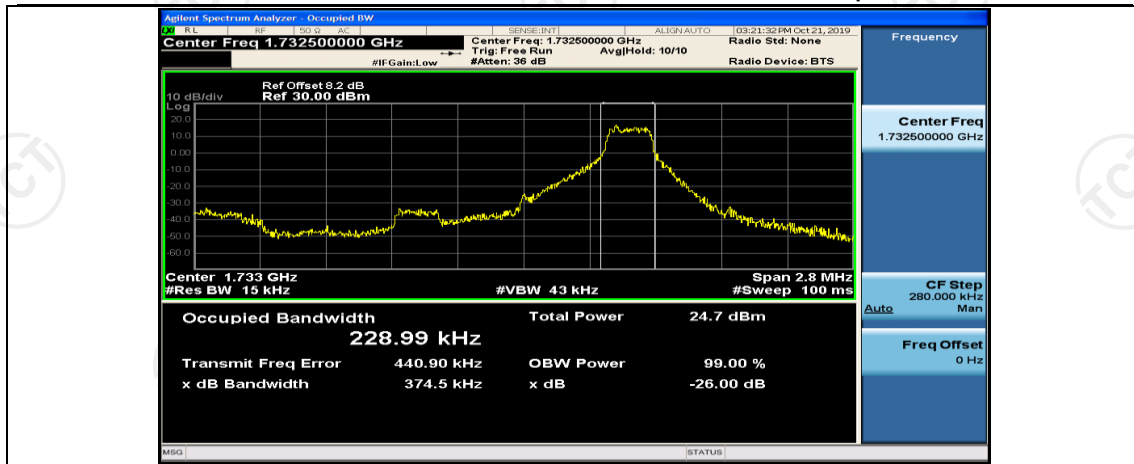
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



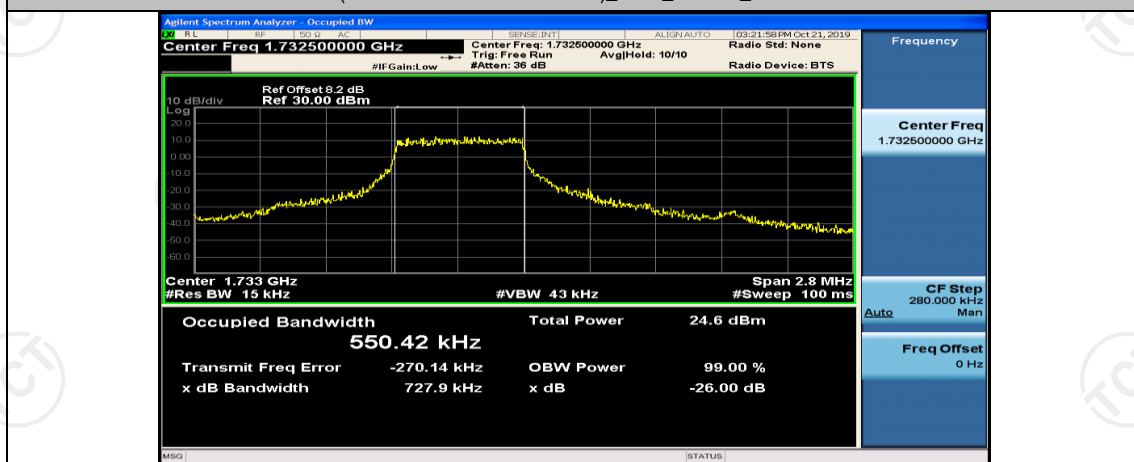
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



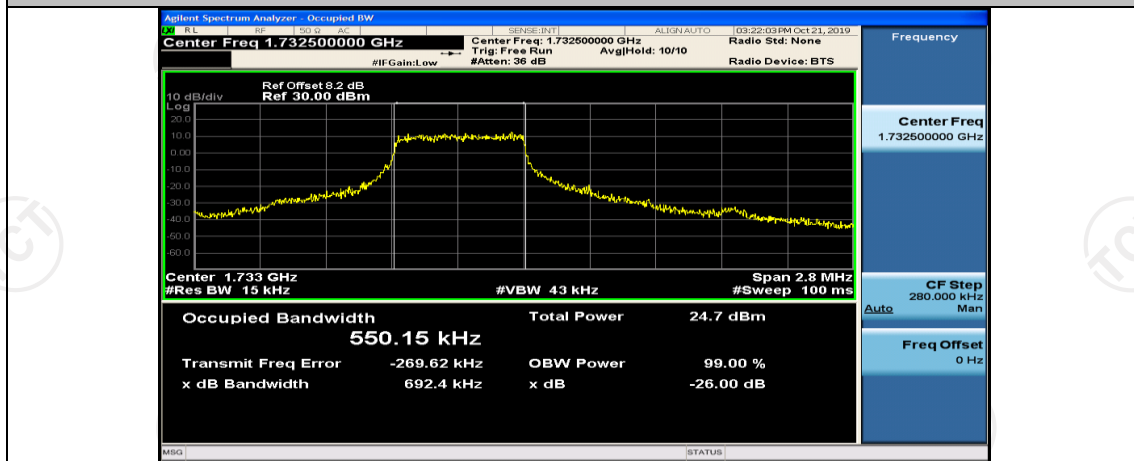
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



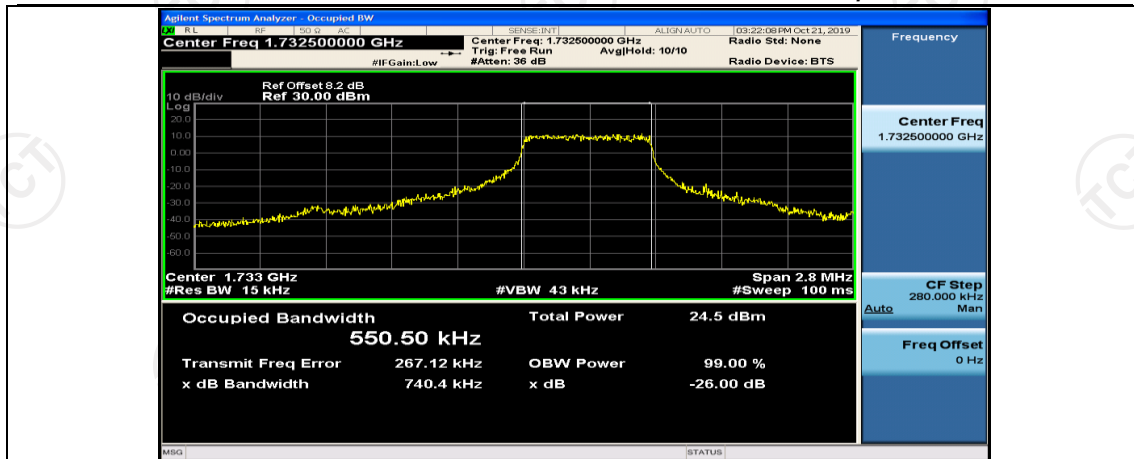
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



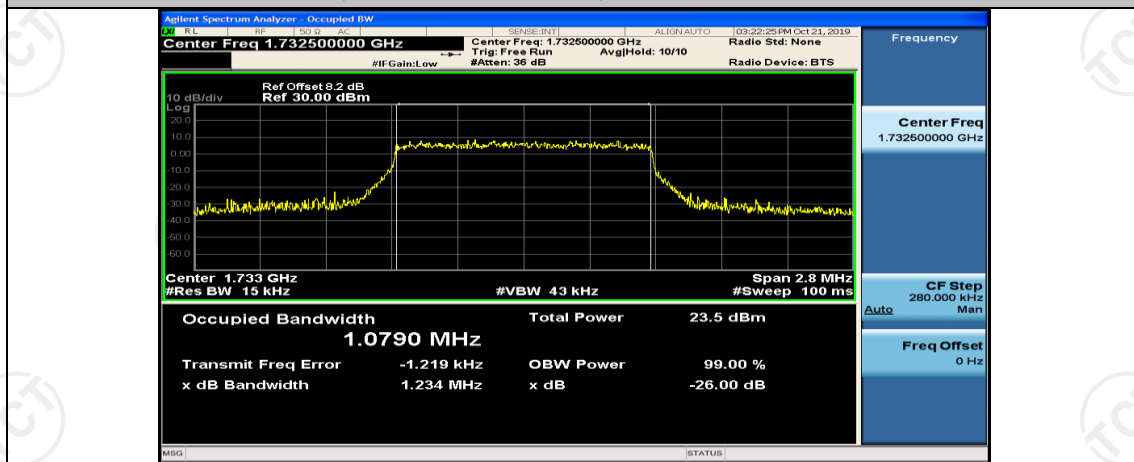
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



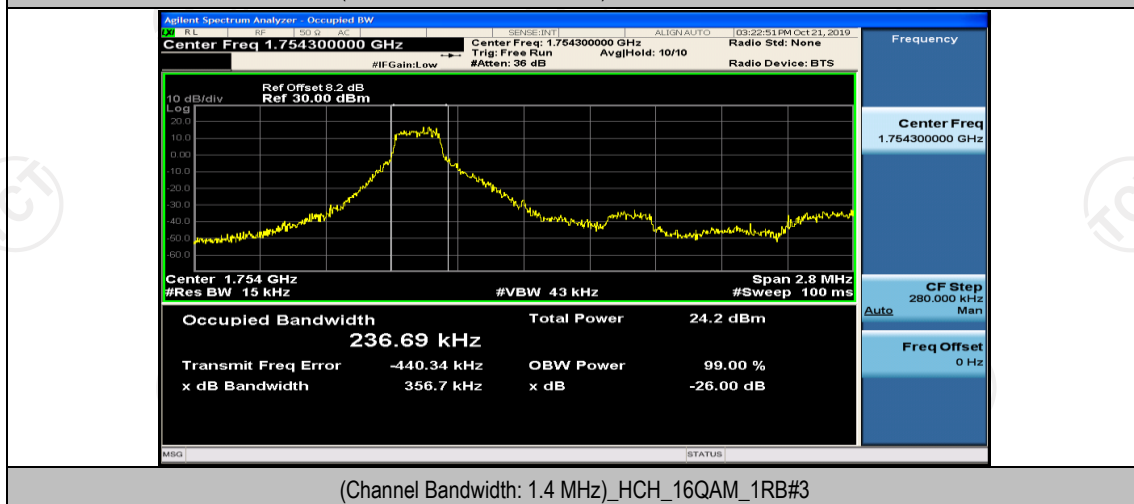
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



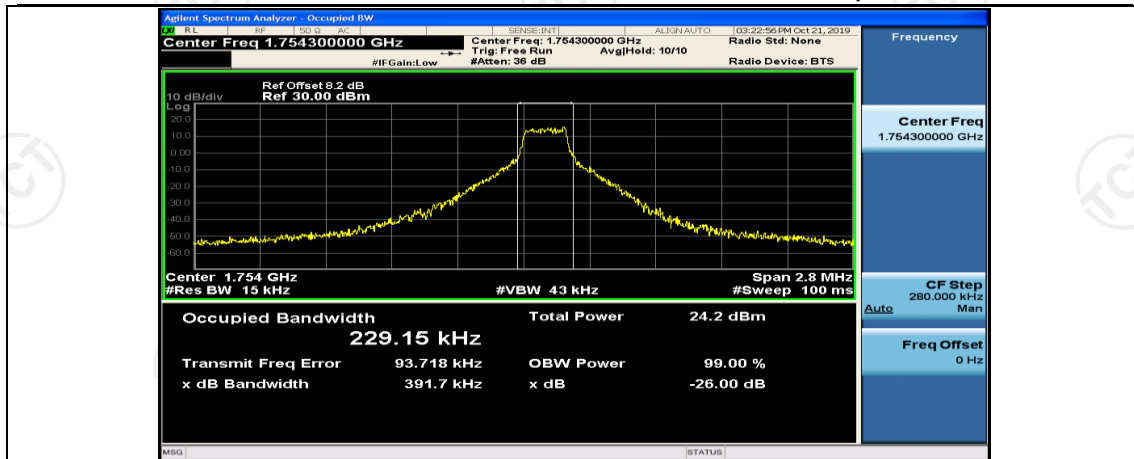
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



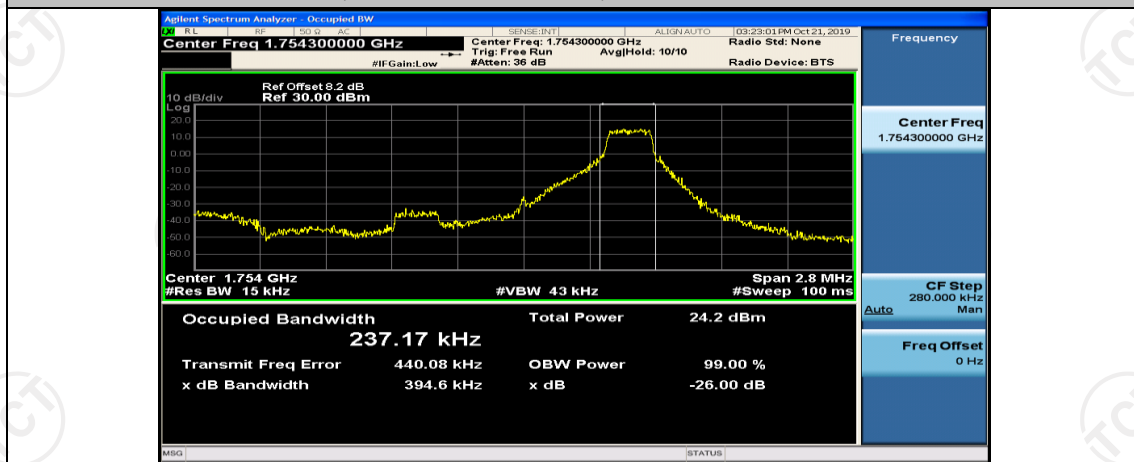
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



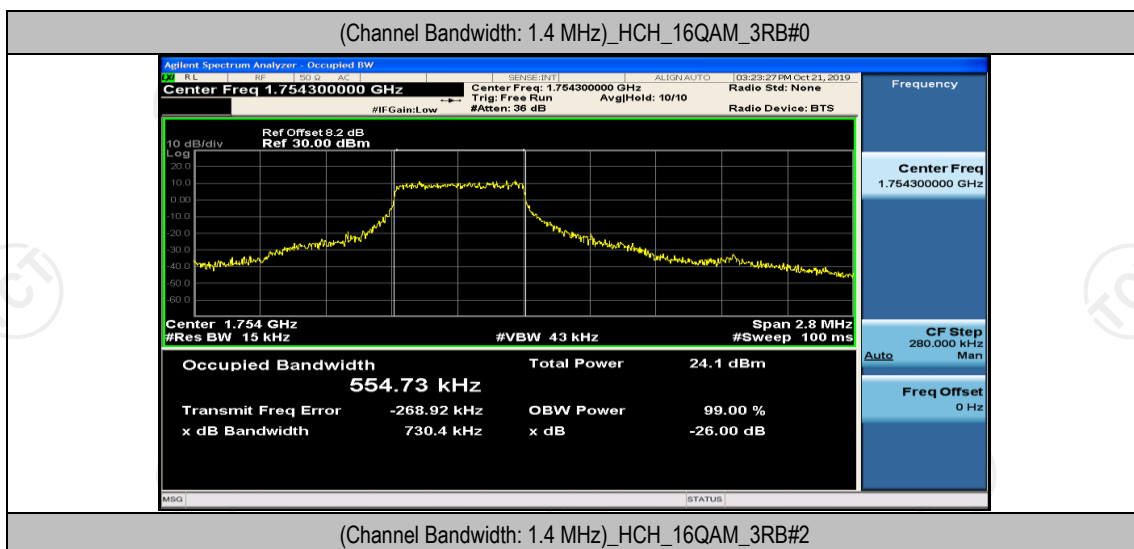
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2