

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.93	20.43	PASS
		1	12	23.55	20.05	PASS
		1	24	23.71	20.21	PASS
		12	0	22.91	19.41	PASS
		12	6	22.76	19.26	PASS
		12	13	22.81	19.31	PASS
		25	0	22.92	19.42	PASS
	MCH	1	0	23.35	19.85	PASS
		1	12	23.72	20.22	PASS
		1	24	23.91	20.41	PASS
		12	0	22.95	19.45	PASS
		12	6	22.86	19.36	PASS
		12	13	22.92	19.42	PASS
		25	0	22.84	19.34	PASS
	HCH	1	0	23.74	20.24	PASS
		1	12	23.72	20.22	PASS
		1	24	23.82	20.32	PASS
		12	0	22.92	19.42	PASS
		12	6	22.80	19.30	PASS
		12	13	22.89	19.39	PASS
		25	0	22.82	19.32	PASS
16QAM	LCH	1	0	23.05	19.55	PASS
		1	12	22.65	19.15	PASS
		1	24	22.82	19.32	PASS
		12	0	21.83	18.33	PASS
		12	6	21.56	18.06	PASS
		12	13	21.62	18.12	PASS
		25	0	21.97	18.47	PASS
	MCH	1	0	22.63	19.13	PASS
		1	12	22.62	19.12	PASS
		1	24	22.79	19.29	PASS
		12	0	21.82	18.32	PASS

		12	6	21.69	18.19	PASS
		12	13	21.63	18.13	PASS
		25	0	22.02	18.52	PASS
	HCH	1	0	22.43	18.93	PASS
		1	12	22.68	19.18	PASS
		1	24	22.89	19.39	PASS
		12	0	21.91	18.41	PASS
		12	6	21.80	18.30	PASS
		12	13	21.68	18.18	PASS
		25	0	21.87	18.37	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.97	20.47	PASS
		1	24	23.70	20.20	PASS
		1	49	23.79	20.29	PASS
		25	0	22.90	19.40	PASS
		25	12	22.80	19.30	PASS
		25	25	22.78	19.28	PASS
		50	0	22.88	19.38	PASS
	MCH	1	0	23.94	20.44	PASS
		1	24	23.72	20.22	PASS
		1	49	23.77	20.27	PASS
		25	0	22.98	19.48	PASS
		25	12	22.80	19.30	PASS
		25	25	22.83	19.33	PASS
		50	0	22.88	19.38	PASS
	HCH	1	0	23.93	20.43	PASS
		1	24	23.64	20.14	PASS
		1	49	23.70	20.20	PASS
		25	0	22.98	19.48	PASS
		25	12	22.80	19.30	PASS
		25	25	22.85	19.35	PASS
		50	0	22.88	19.38	PASS
16QAM	LCH	1	0	23.47	19.97	PASS
		1	24	23.40	19.90	PASS
		1	49	23.24	19.74	PASS
		25	0	21.87	18.37	PASS
		25	12	21.71	18.21	PASS

		25	25	21.65	18.15	PASS
		50	0	21.74	18.24	PASS
	MCH	1	0	23.65	20.15	PASS
		1	24	23.54	20.04	PASS
		1	49	23.26	19.76	PASS
		25	0	21.87	18.37	PASS
		25	12	21.75	18.25	PASS
		25	25	21.67	18.17	PASS
		50	0	21.82	18.32	PASS
	HCH	1	0	23.66	20.16	PASS
		1	24	23.50	20.00	PASS
		1	49	23.25	19.75	PASS
		25	0	21.87	18.37	PASS
		25	12	21.72	18.22	PASS
		25	25	21.62	18.12	PASS
		50	0	21.82	18.32	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.43	<13	PASS
		1	12	3.96	<13	PASS
		1	24	4.10	<13	PASS
		12	0	5.00	<13	PASS
		12	6	4.64	<13	PASS
		12	13	4.45	<13	PASS
		25	0	5.12	<13	PASS
	MCH	1	0	4.01	<13	PASS
		1	12	4.09	<13	PASS
		1	24	4.83	<13	PASS
		12	0	4.39	<13	PASS
		12	6	4.58	<13	PASS
		12	13	5.06	<13	PASS
		25	0	5.14	<13	PASS
	HCH	1	0	4.30	<13	PASS
		1	12	4.75	<13	PASS
		1	24	4.47	<13	PASS
		12	0	5.06	<13	PASS
		12	6	5.15	<13	PASS
		12	13	5.14	<13	PASS
		25	0	5.49	<13	PASS
16QAM	LCH	1	0	5.27	<13	PASS
		1	12	4.79	<13	PASS
		1	24	4.92	<13	PASS
		12	0	5.88	<13	PASS
		12	6	5.56	<13	PASS
		12	13	5.34	<13	PASS
		25	0	5.87	<13	PASS
	MCH	1	0	4.80	<13	PASS
		1	12	5.00	<13	PASS

		1	24	5.52	<13	PASS
		12	0	5.32	<13	PASS
		12	6	5.42	<13	PASS
		12	13	5.91	<13	PASS
		25	0	5.85	<13	PASS
	HCH	1	0	5.08	<13	PASS
		1	12	5.52	<13	PASS
		1	24	5.32	<13	PASS
		12	0	5.91	<13	PASS
		12	6	5.95	<13	PASS
		12	13	6.05	<13	PASS
		25	0	6.25	<13	PASS

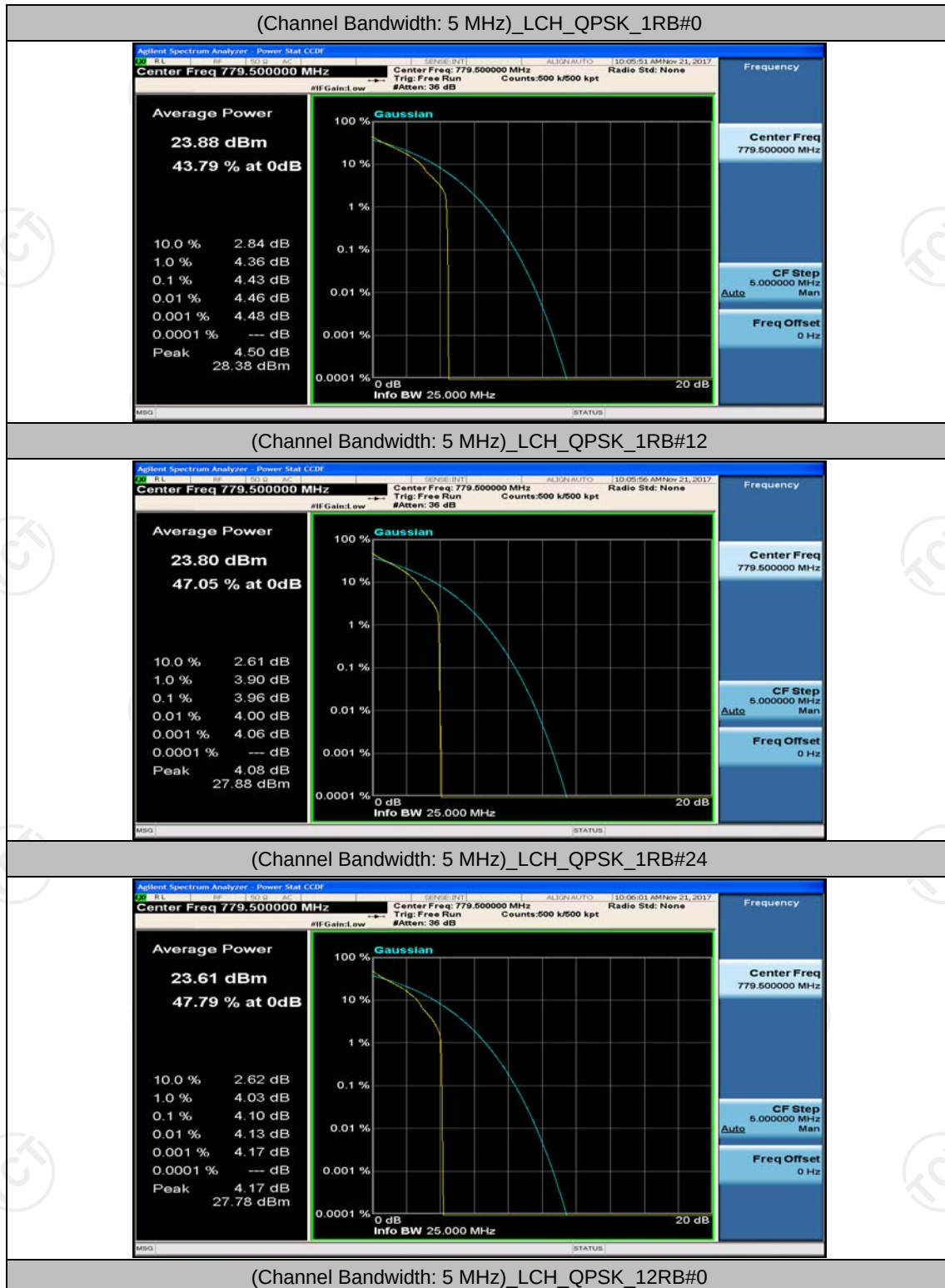
Channel Bandwidth: 10 MHz

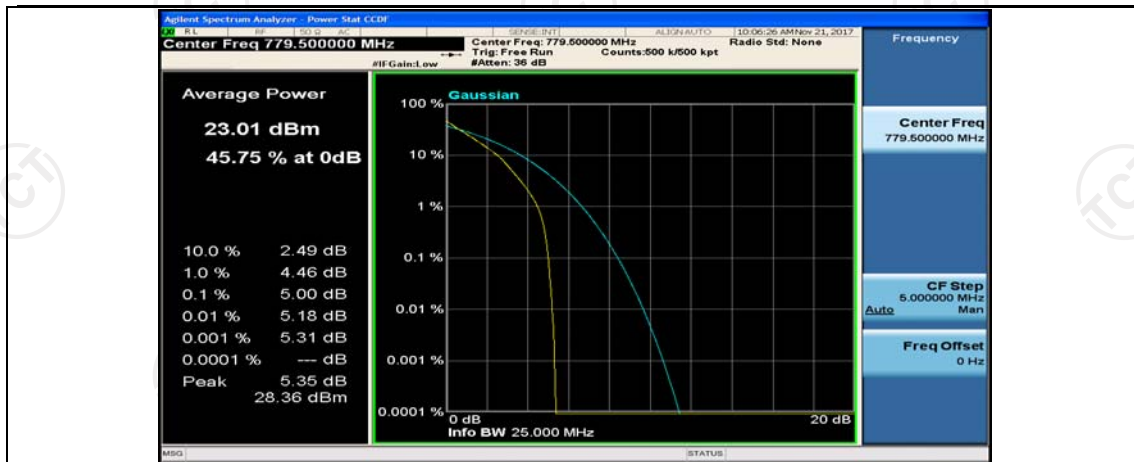
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.42	<13	PASS
		1	24	4.06	<13	PASS
		1	49	4.51	<13	PASS
		25	0	4.90	<13	PASS
		25	12	4.79	<13	PASS
		25	25	5.13	<13	PASS
		50	0	5.39	<13	PASS
	MCH	1	0	4.39	<13	PASS
		1	24	4.09	<13	PASS
		1	49	4.50	<13	PASS
		25	0	4.91	<13	PASS
		25	12	4.80	<13	PASS
		25	25	5.13	<13	PASS
		50	0	5.39	<13	PASS
	HCH	1	0	4.40	<13	PASS
		1	24	4.05	<13	PASS
		1	49	4.53	<13	PASS
		25	0	4.91	<13	PASS
		25	12	4.81	<13	PASS
		25	25	5.12	<13	PASS
		50	0	5.39	<13	PASS
16QAM	LCH	1	0	5.00	<13	PASS
		1	24	4.65	<13	PASS
		1	49	5.35	<13	PASS

		25	0	5.73	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.99	<13	PASS
		50	0	6.15	<13	PASS
	MCH	1	0	4.99	<13	PASS
		1	24	4.55	<13	PASS
		1	49	5.32	<13	PASS
		25	0	5.70	<13	PASS
		25	12	5.63	<13	PASS
		25	25	6.00	<13	PASS
		50	0	6.13	<13	PASS
	HCH	1	0	4.84	<13	PASS
		1	24	4.60	<13	PASS
		1	49	5.22	<13	PASS
		25	0	5.71	<13	PASS
		25	12	5.62	<13	PASS
		25	25	5.97	<13	PASS
		50	0	6.14	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz





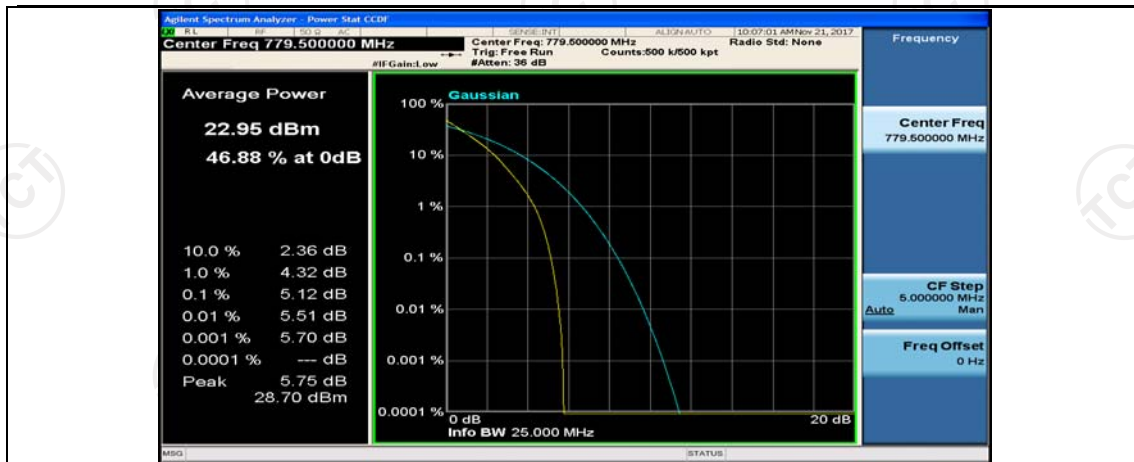
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



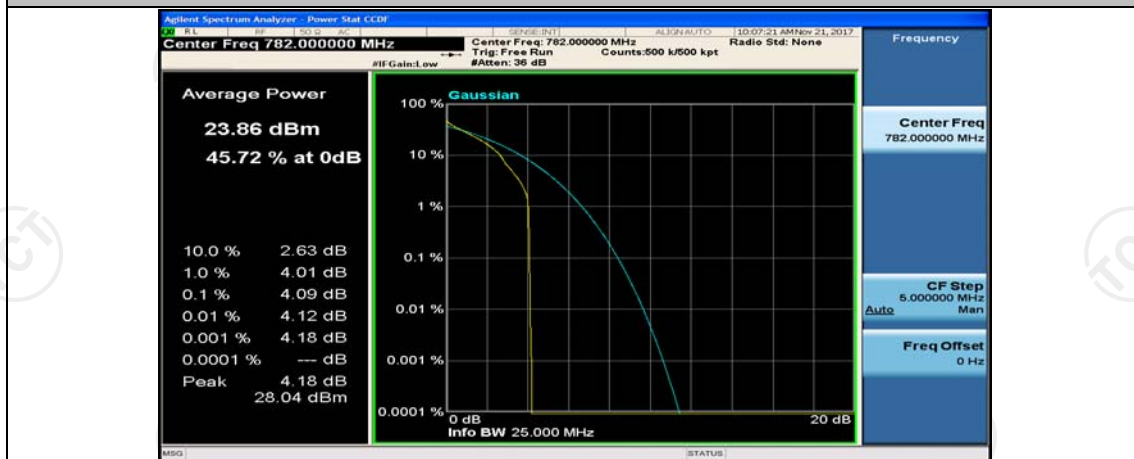
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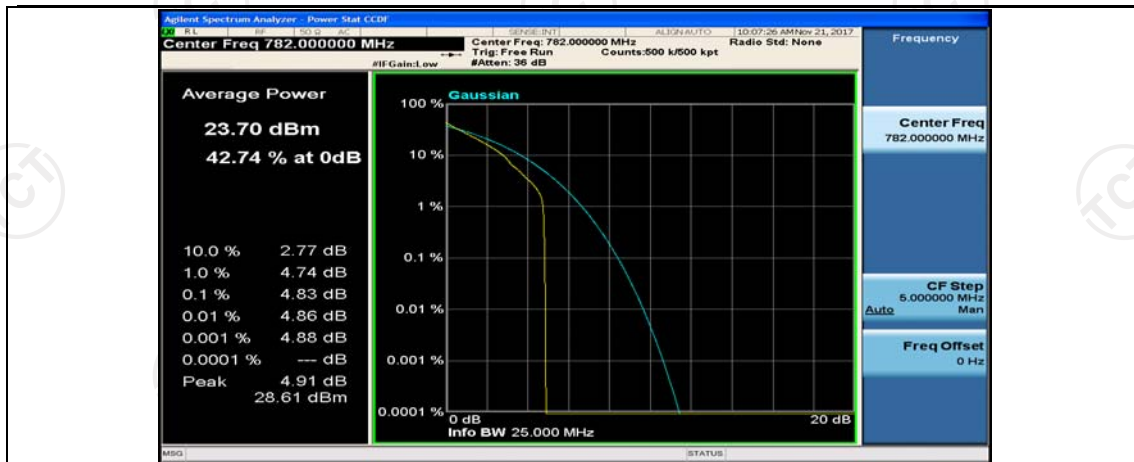
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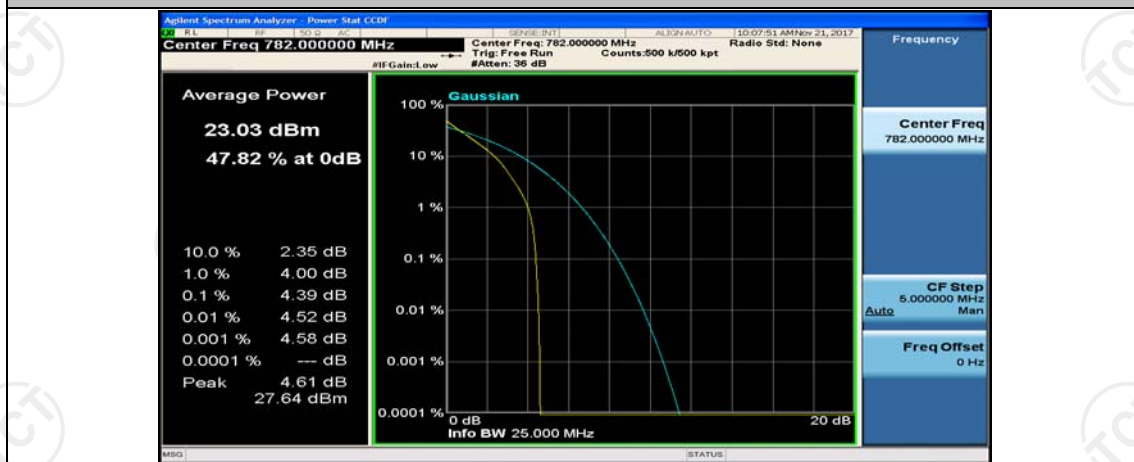
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



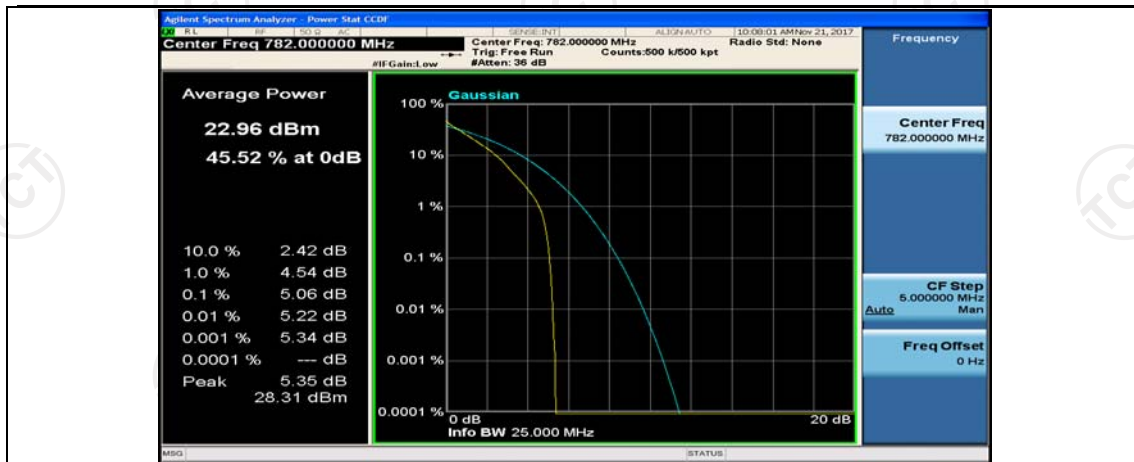
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



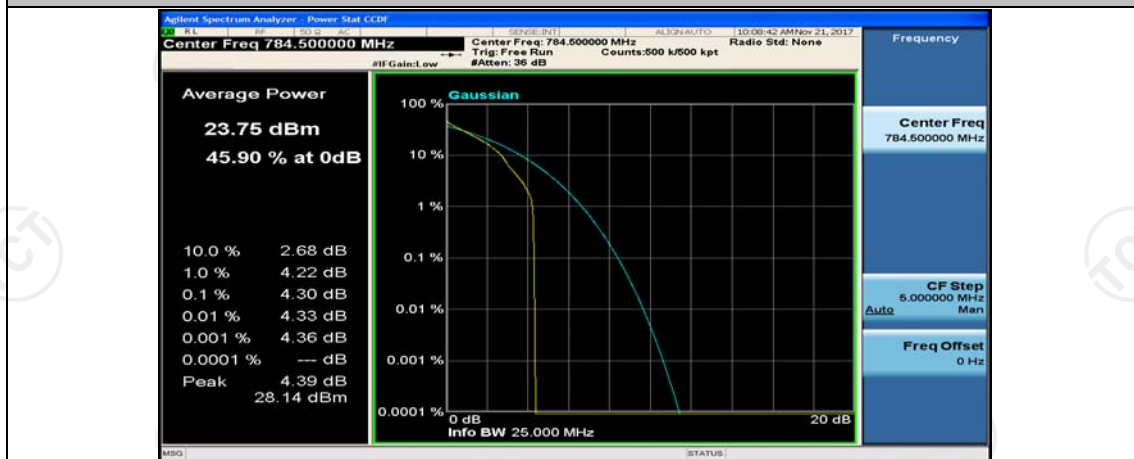
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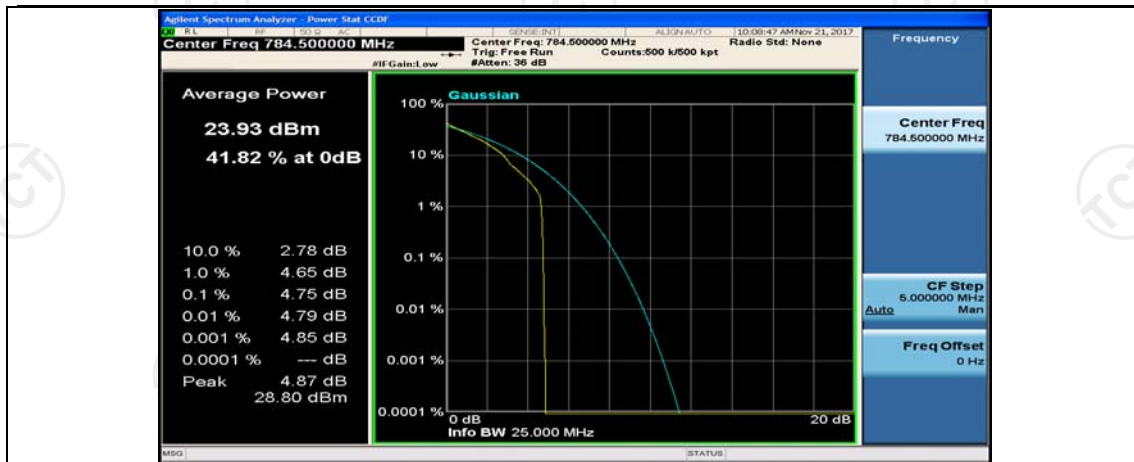
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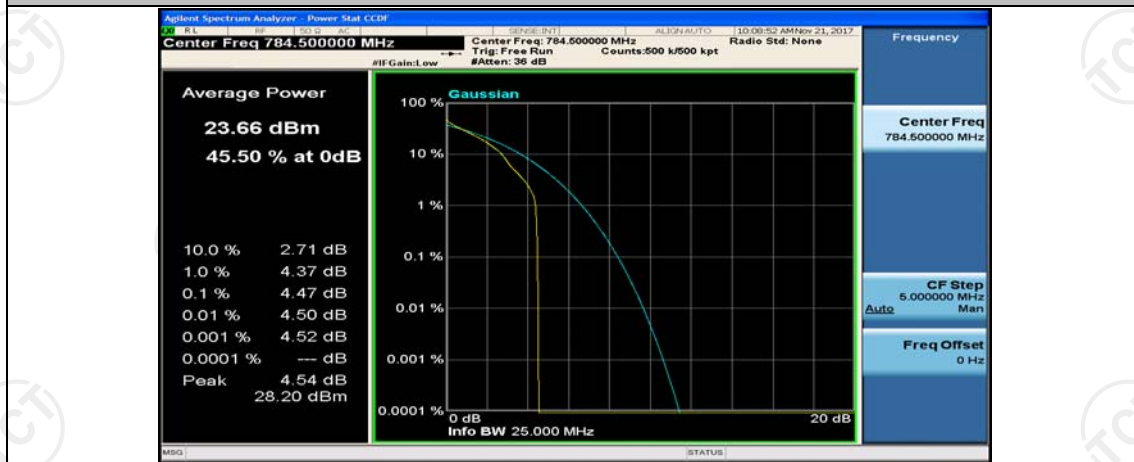
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



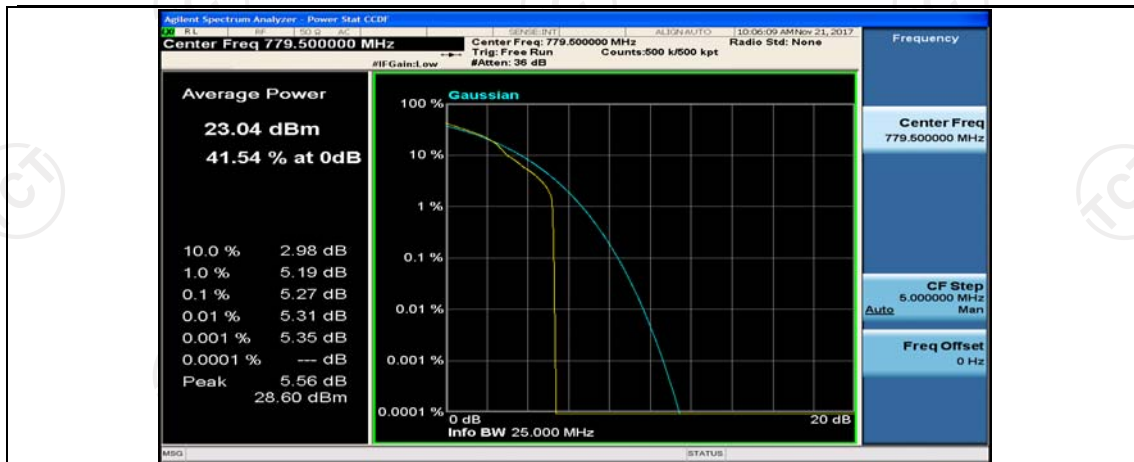
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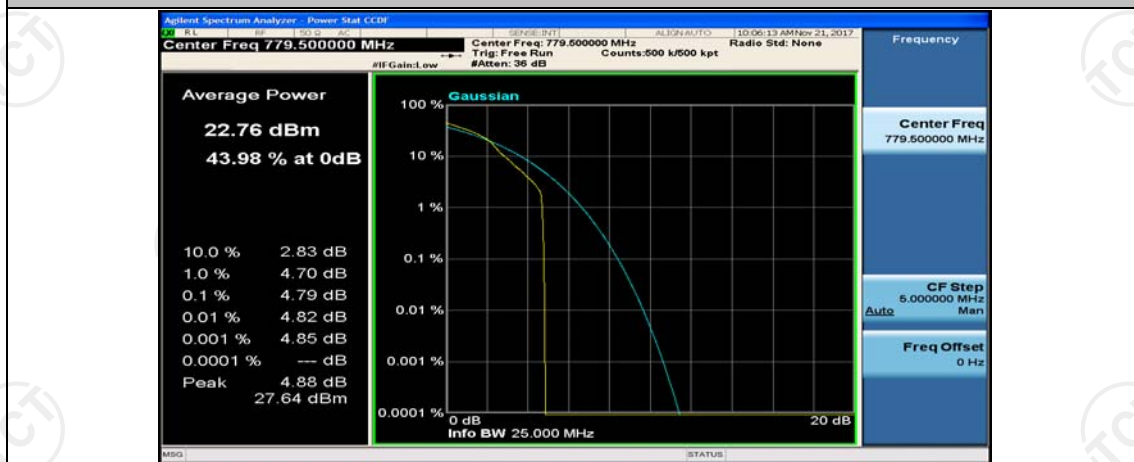
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



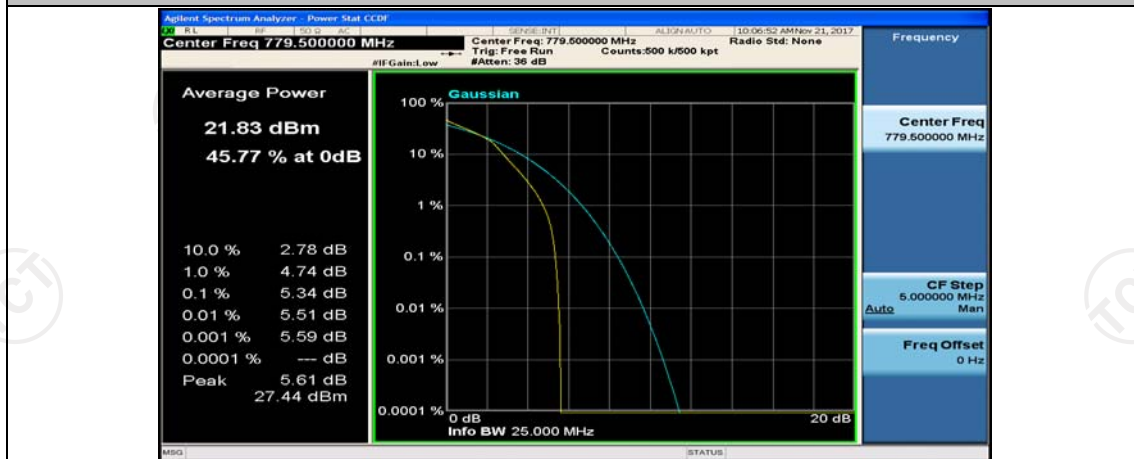
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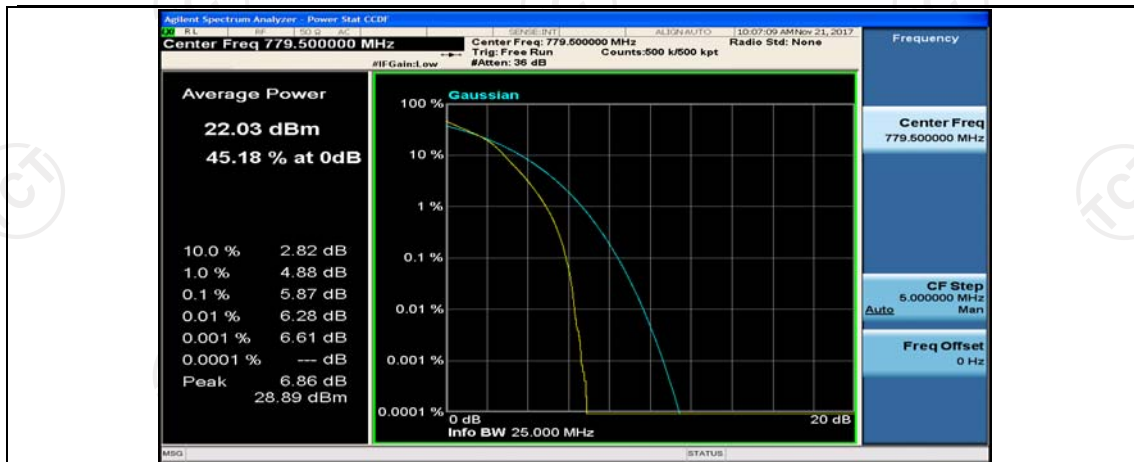
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



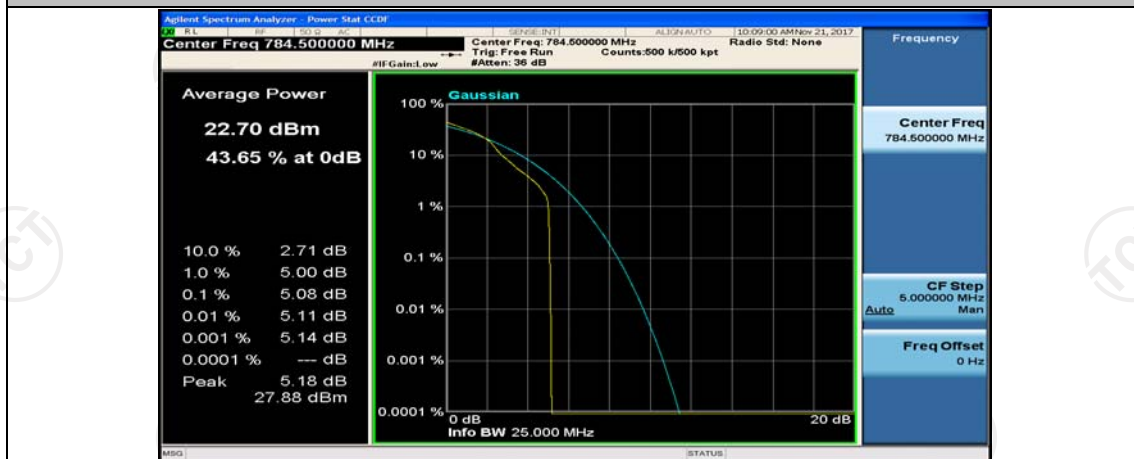
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



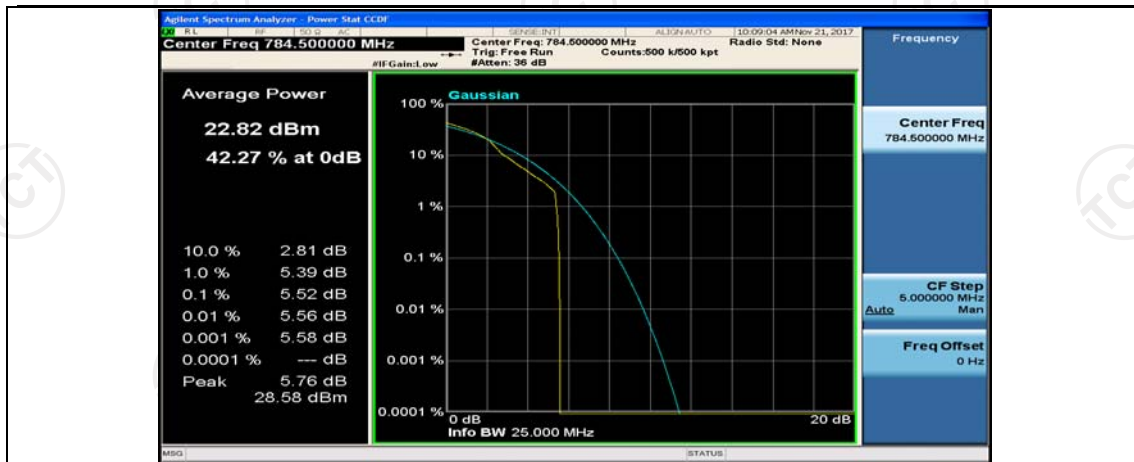
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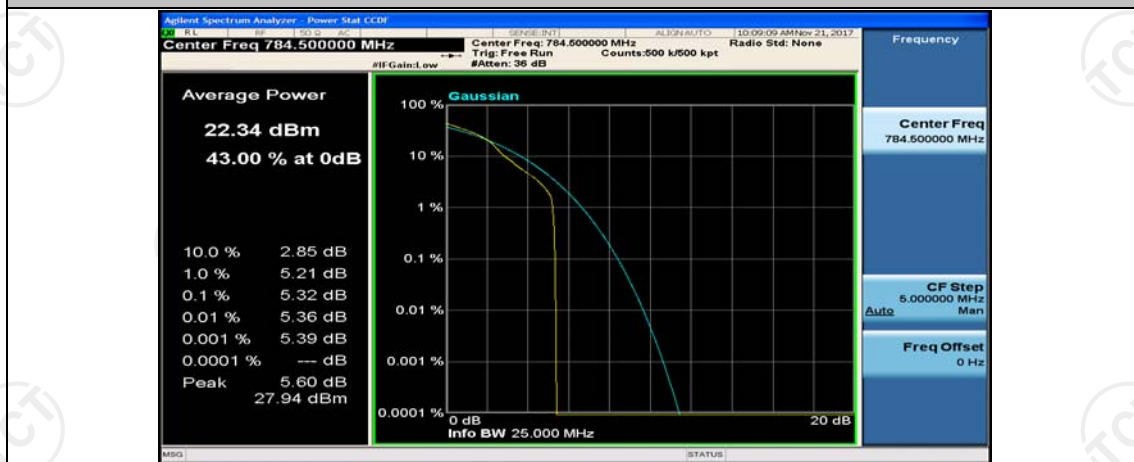
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



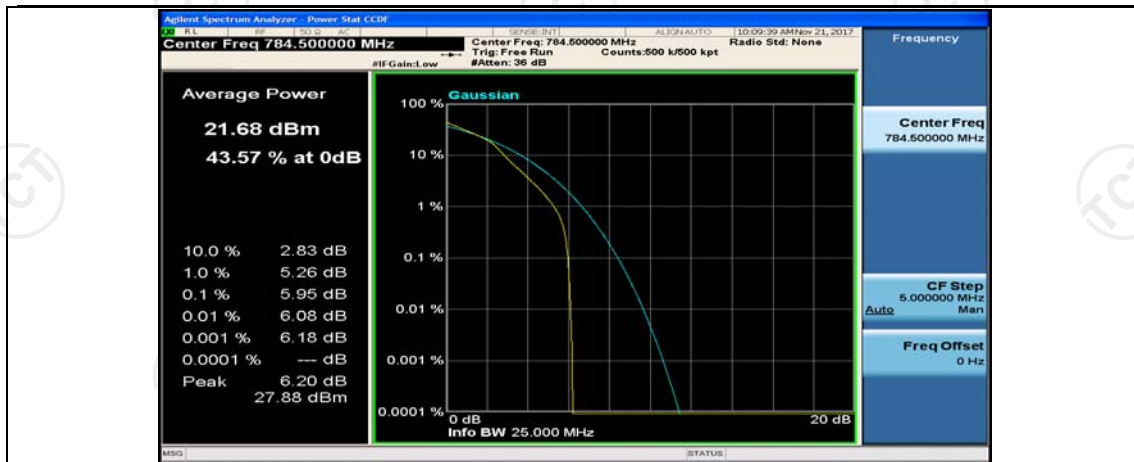
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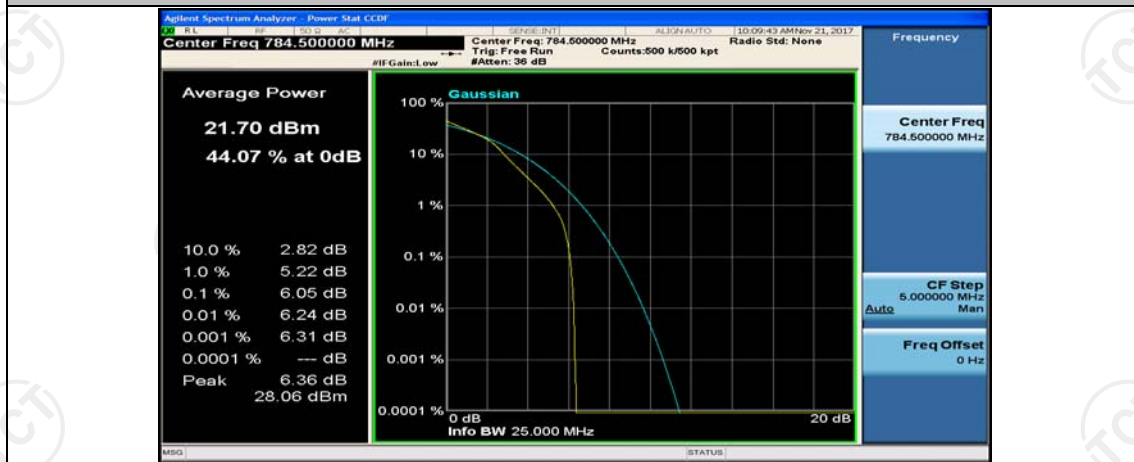
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

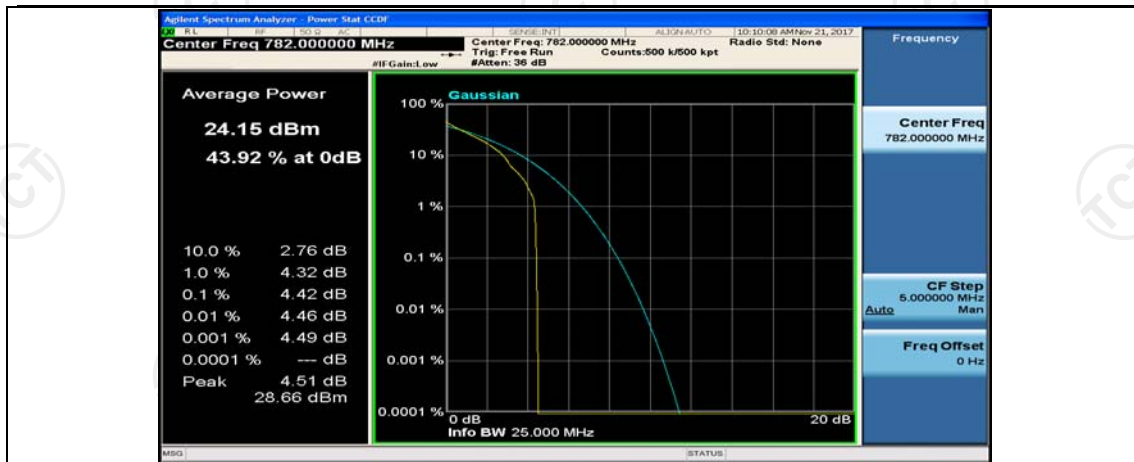


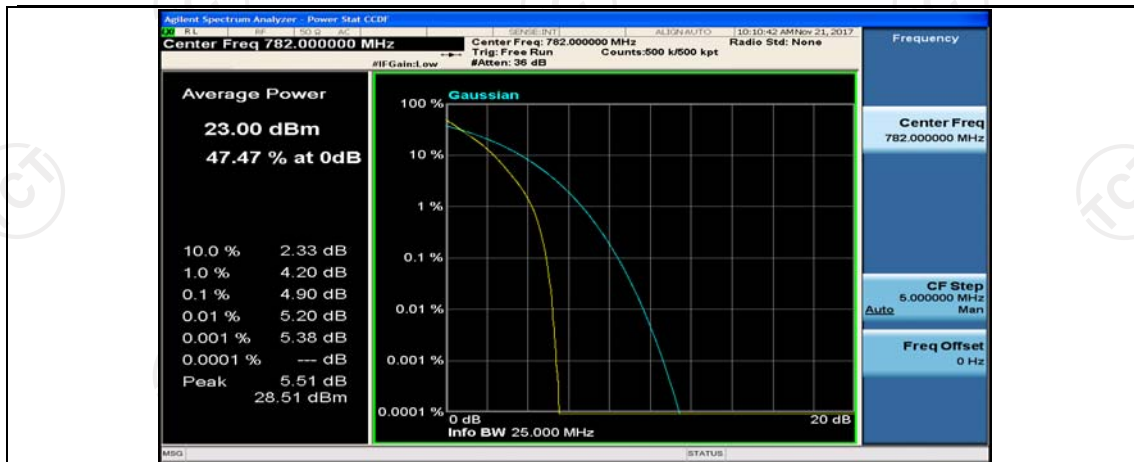
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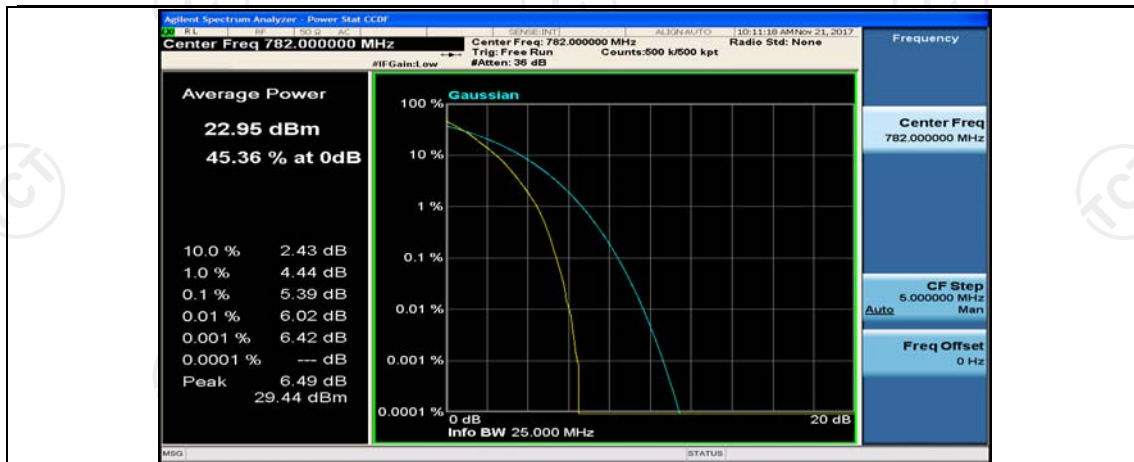


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0







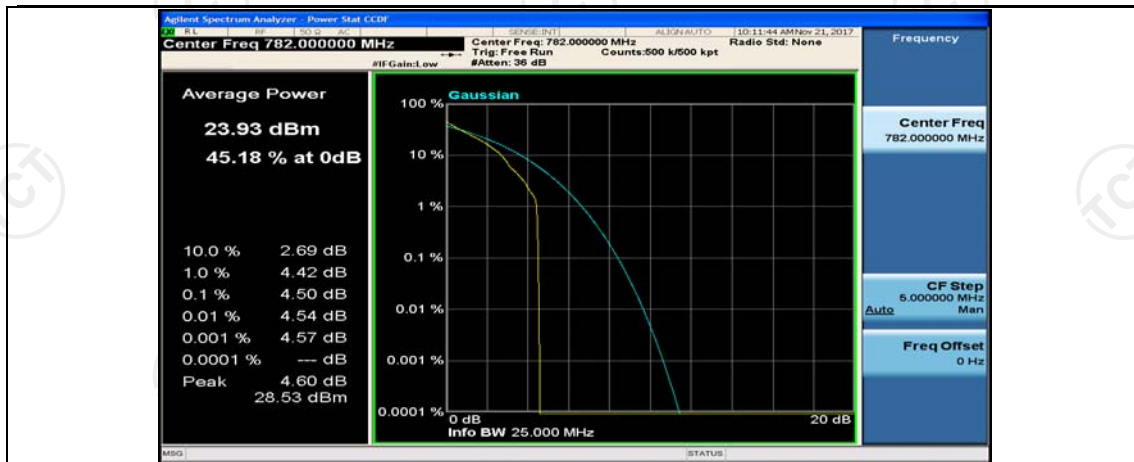
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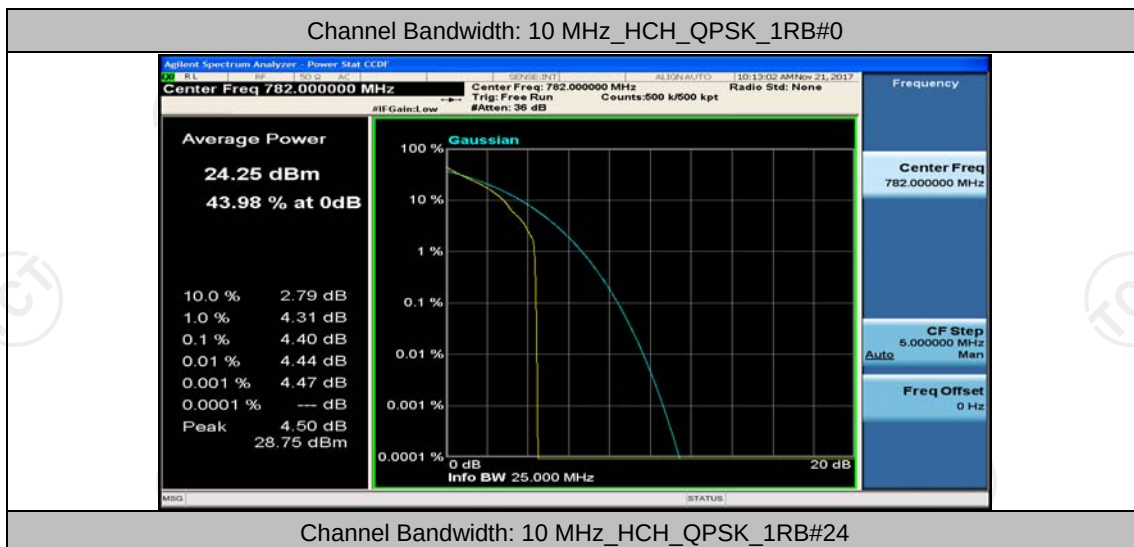
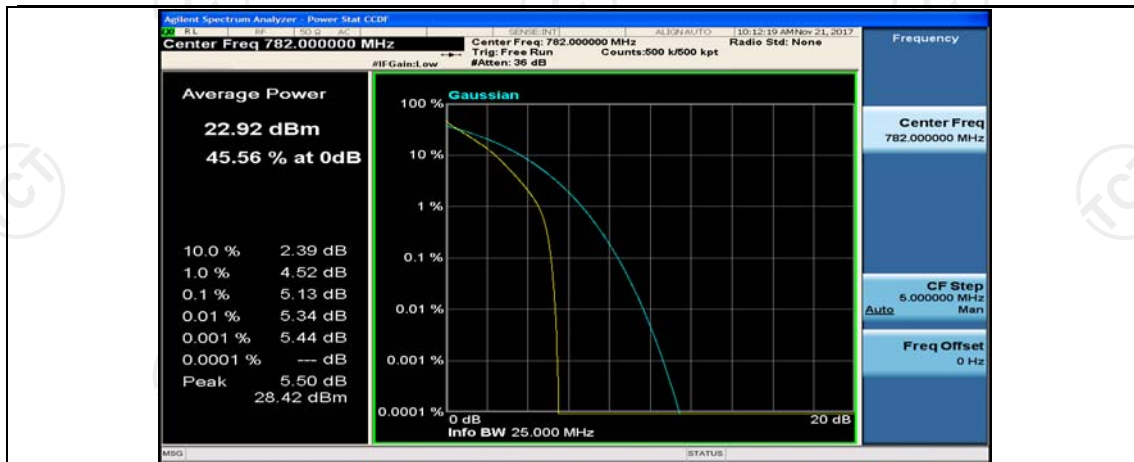


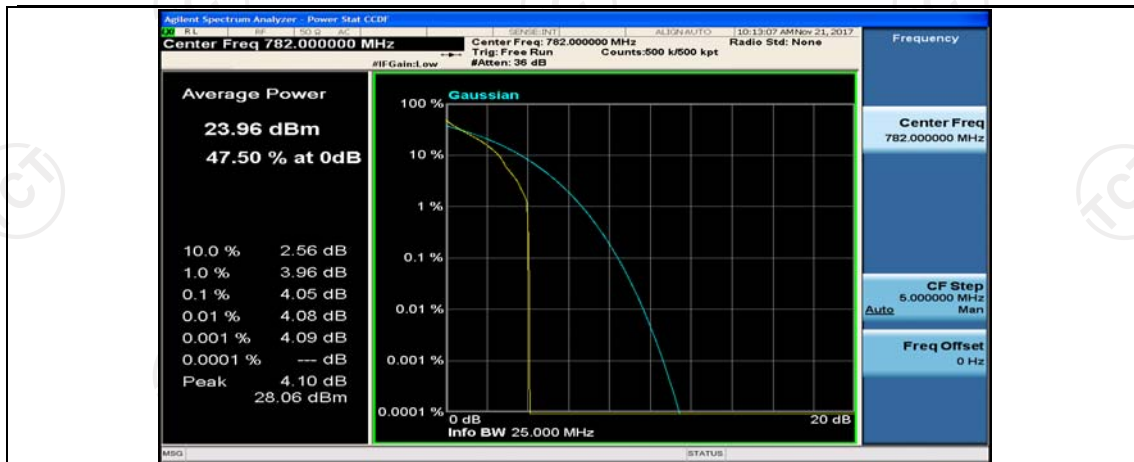
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



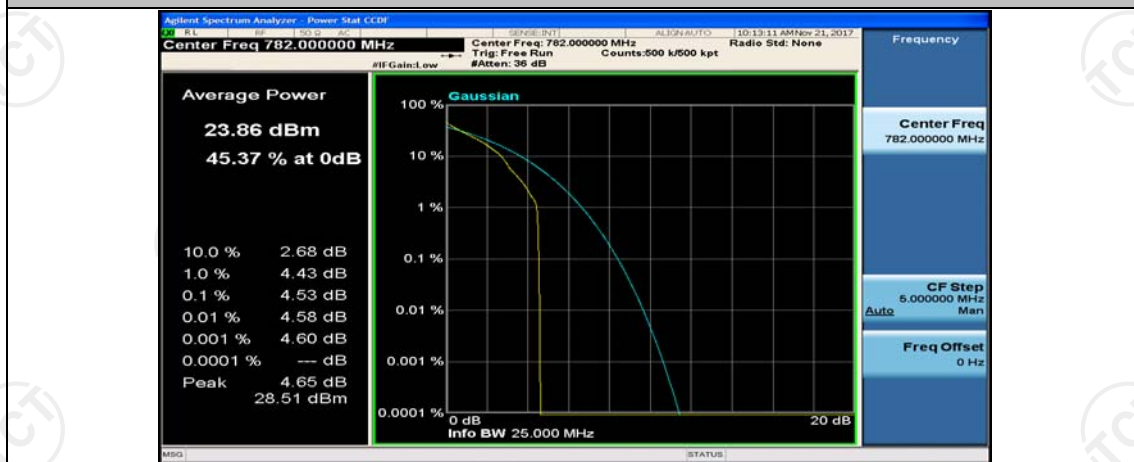
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49







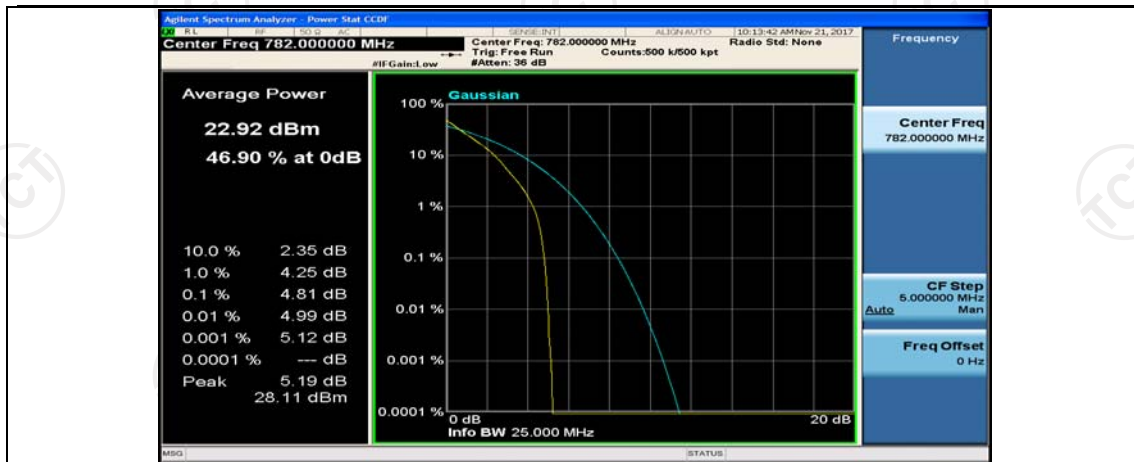
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



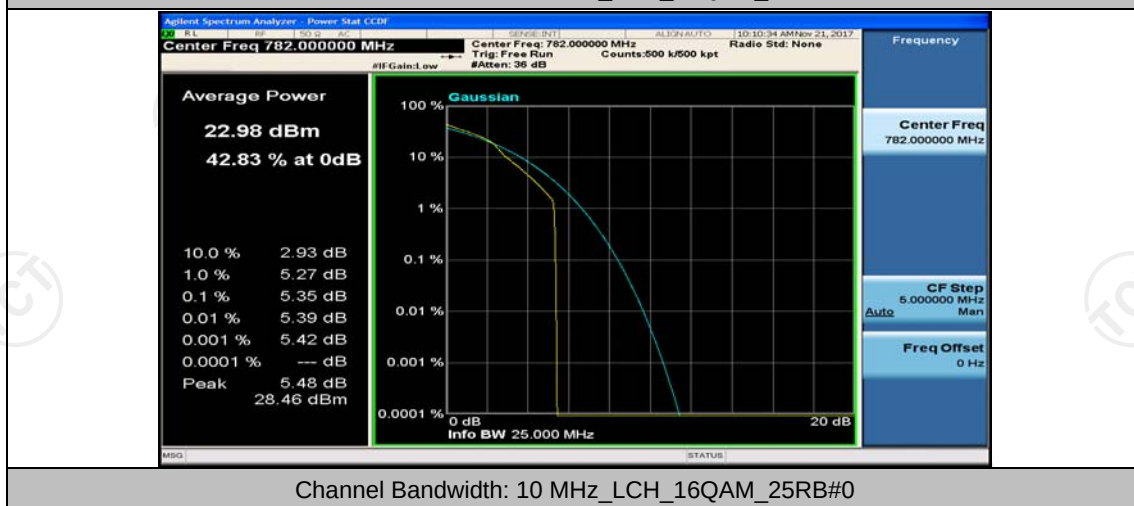
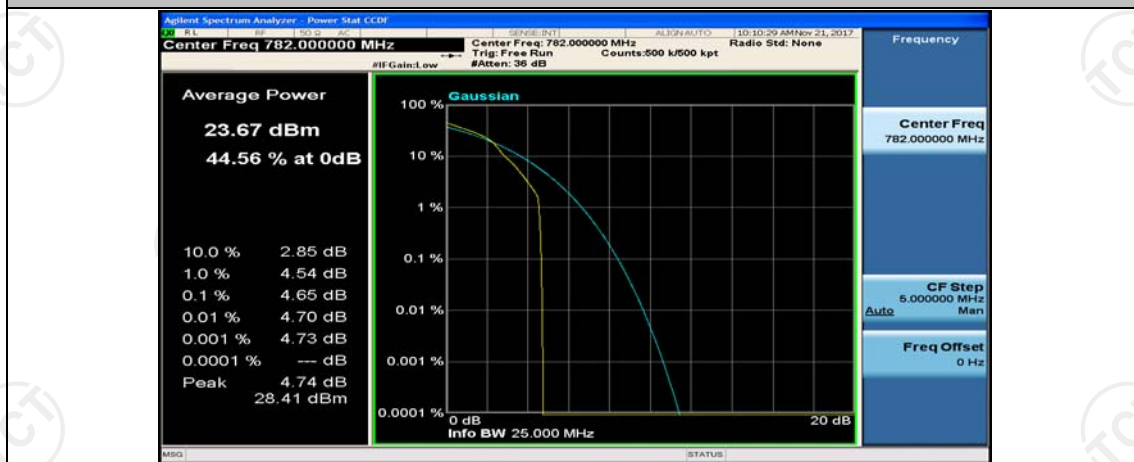
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

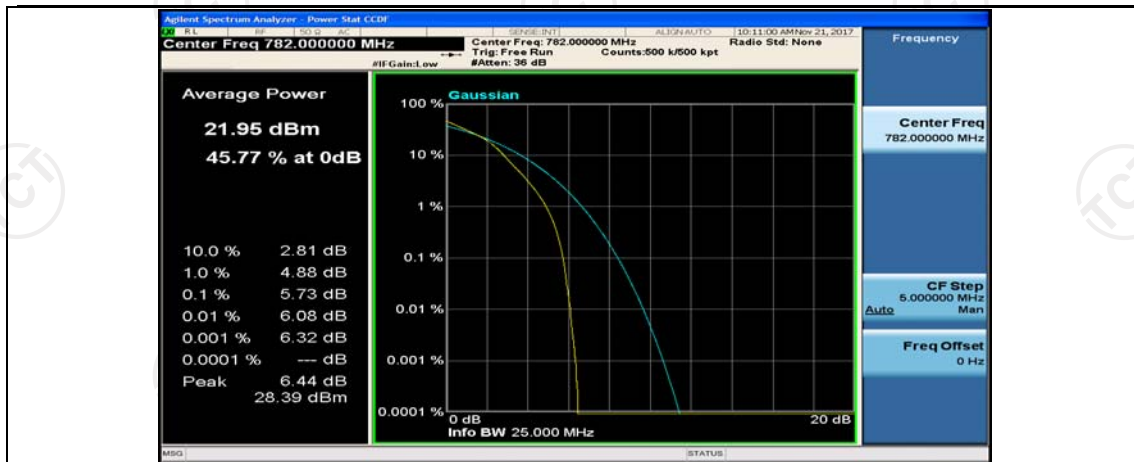


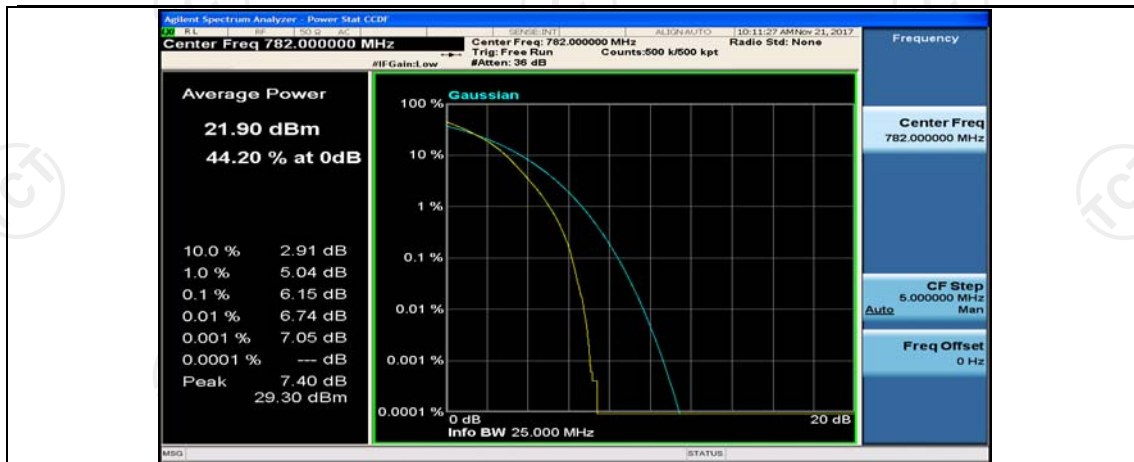
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0







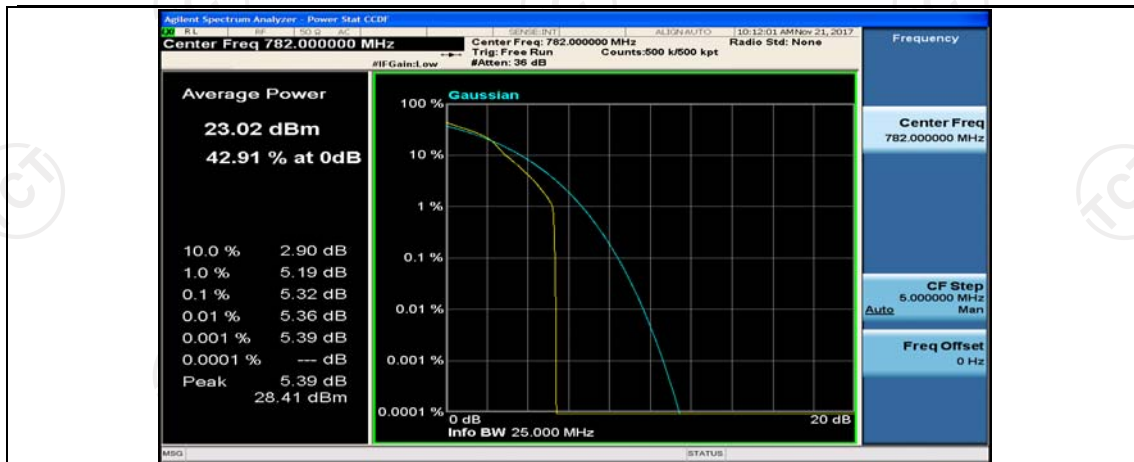
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

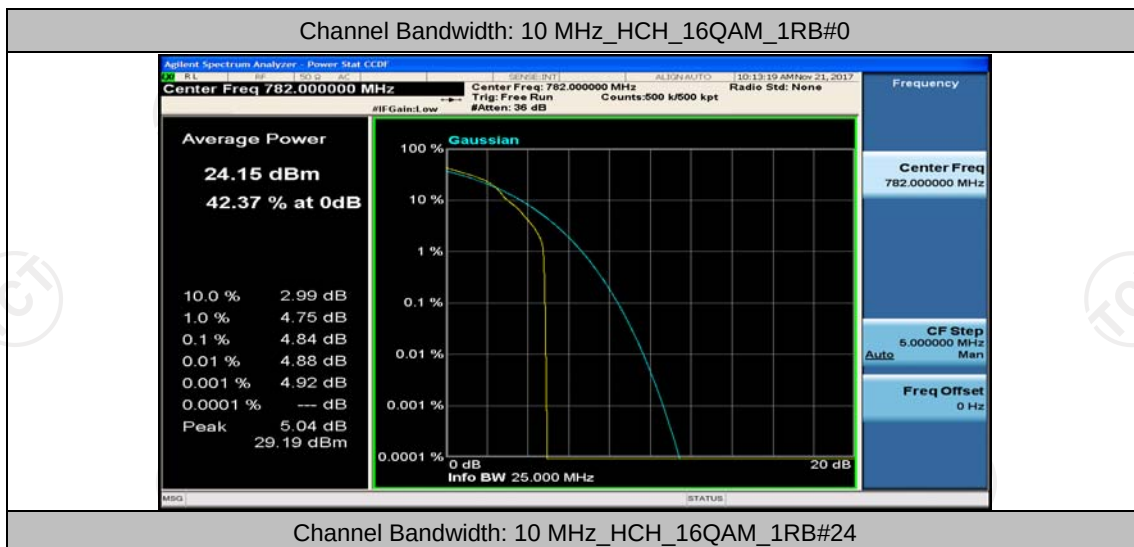
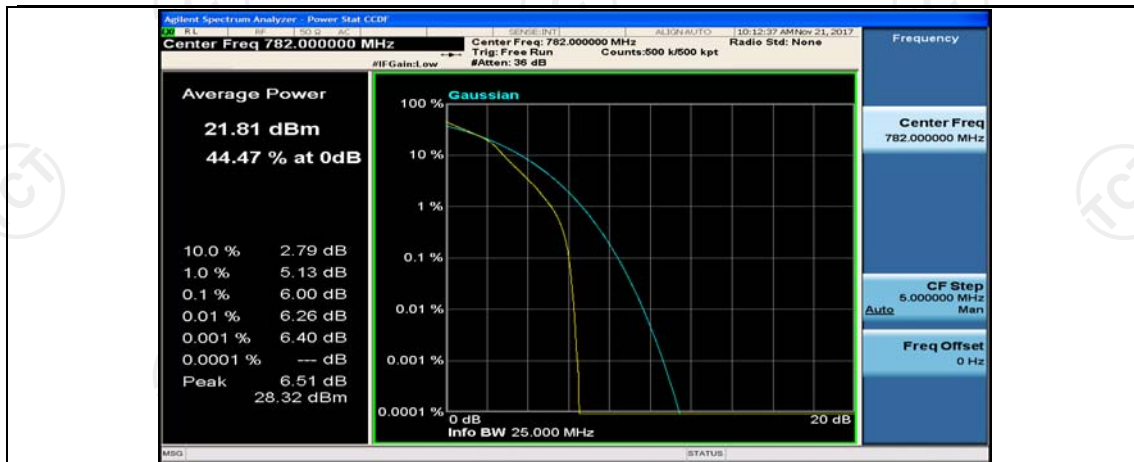


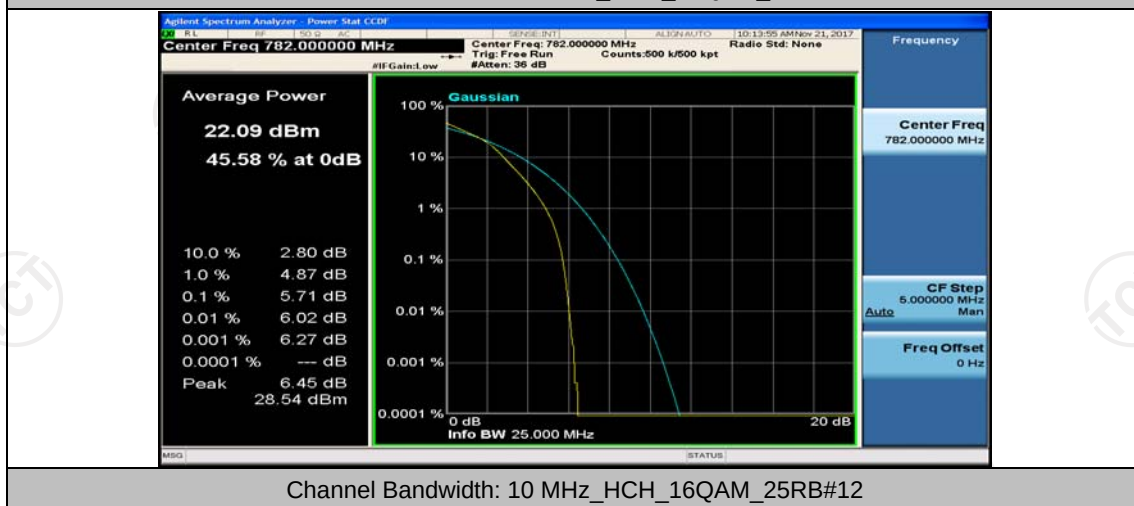
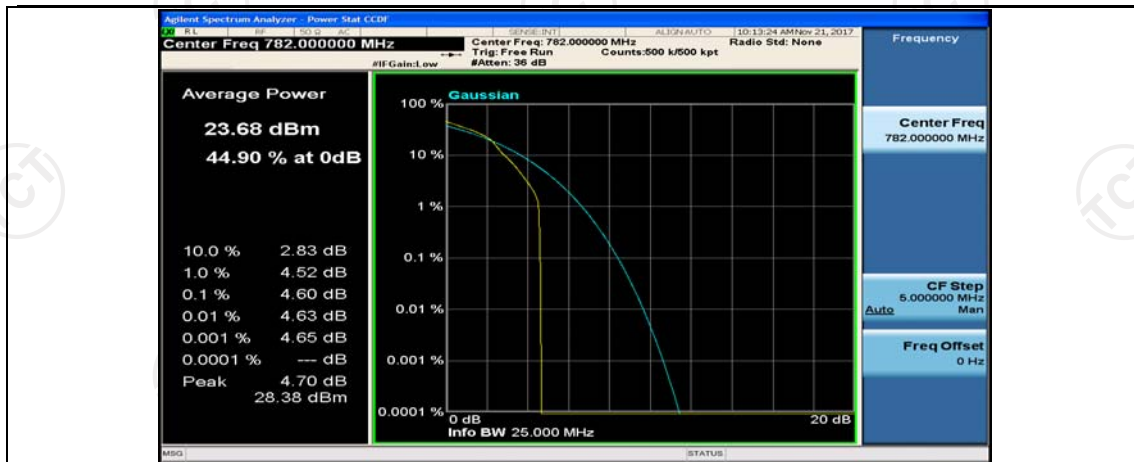
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

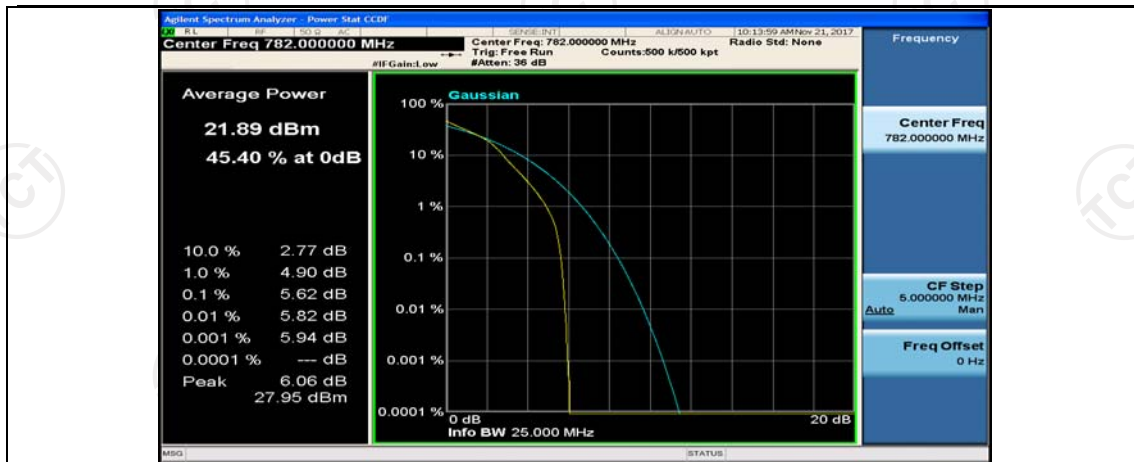


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

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	0.28616	0.4603	PASS
		1	12	0.39254	0.6117	PASS
		1	24	0.29406	0.4734	PASS
		12	0	2.1702	2.500	PASS
		12	6	2.1778	2.689	PASS
		12	13	2.1714	2.499	PASS
		25	0	4.4706	4.842	PASS
	MCH	1	0	0.28793	0.4560	PASS
		1	12	0.39305	0.6713	PASS
		1	24	0.29329	0.4525	PASS
		12	0	2.1748	2.563	PASS
		12	6	2.1861	2.671	PASS
		12	13	2.1777	2.506	PASS
		25	0	4.4784	4.848	PASS
	HCH	1	0	0.28508	0.4500	PASS
		1	12	0.39323	0.6747	PASS
		1	24	0.29248	0.4746	PASS
		12	0	2.1721	2.567	PASS
		12	6	2.1868	2.701	PASS
		12	13	2.1720	2.478	PASS
		25	0	4.4811	4.801	PASS
16QAM	LCH	1	0	0.29703	0.4600	PASS
		1	12	0.42585	0.6391	PASS
		1	24	0.30444	0.4717	PASS
		12	0	2.1753	2.491	PASS
		12	6	2.1833	2.721	PASS
		12	13	2.1759	2.519	PASS
		25	0	4.4701	4.807	PASS
	MCH	1	0	0.28307	0.4338	PASS
		1	12	0.41991	0.6615	PASS

		1	24	0.30262	0.4679	PASS
		12	0	2.1851	2.511	PASS
		12	6	2.1892	2.730	PASS
		12	13	2.1859	2.544	PASS
		25	0	4.4795	4.834	PASS
	HCH	1	0	0.28791	0.4450	PASS
		1	12	0.43137	0.6228	PASS
		1	24	0.29669	0.4892	PASS
		12	0	2.1803	2.542	PASS
		12	6	2.1847	2.725	PASS
		12	13	2.1822	2.473	PASS
		25	0	4.4838	4.836	PASS

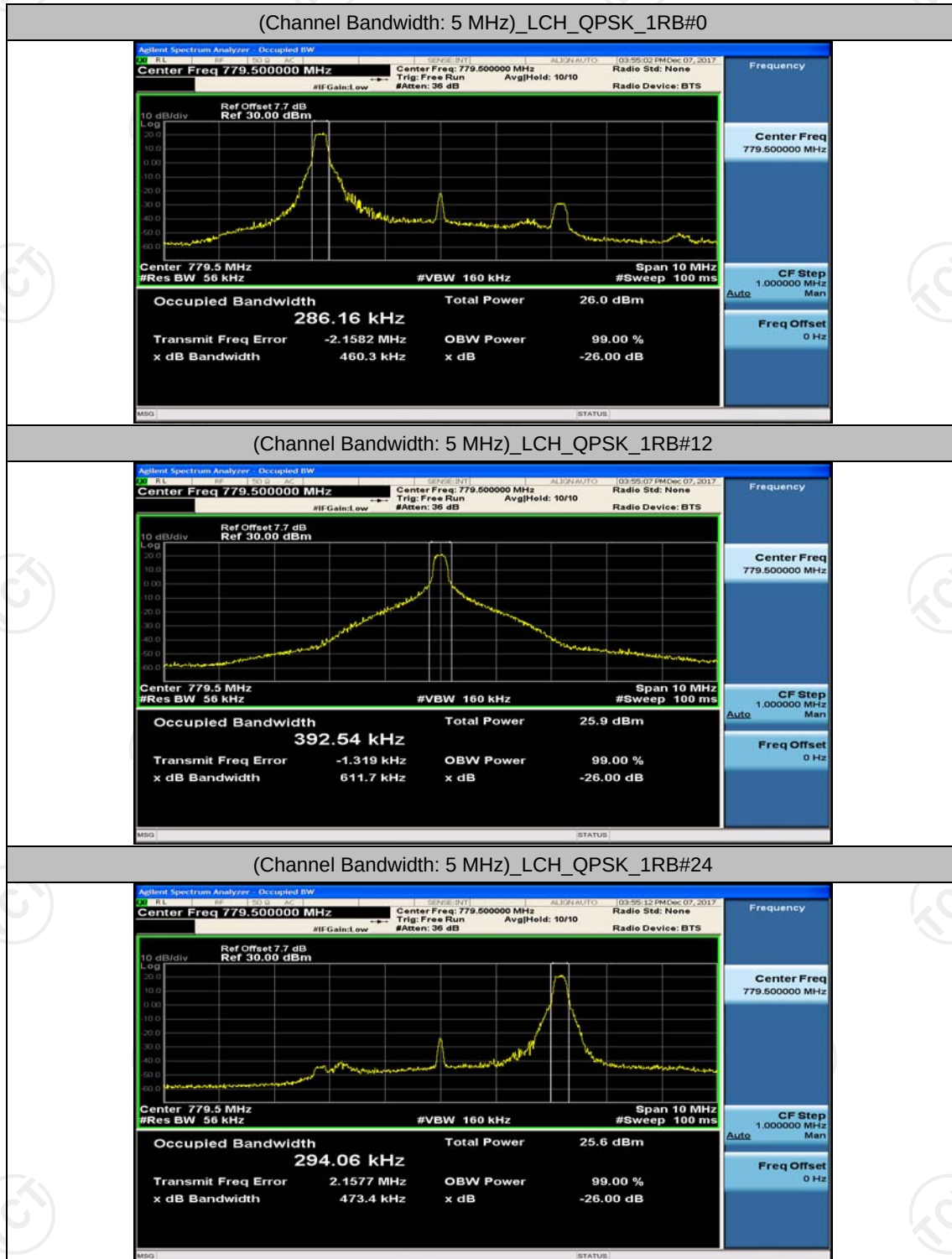
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.38560	0.5661	PASS
		1	25	0.45783	0.7000	PASS
		1	49	0.37860	0.5563	PASS
		25	0	4.5005	4.909	PASS
		25	12	4.5167	5.125	PASS
		25	25	4.5097	4.923	PASS
		50	0	8.9235	9.421	PASS
	MCH	1	0	0.38334	0.5848	PASS
		1	25	0.45783	0.6945	PASS
		1	49	0.38280	0.5772	PASS
		25	0	4.4914	4.933	PASS
		25	12	4.5139	5.113	PASS
		25	25	4.5211	4.987	PASS
		50	0	8.9389	9.467	PASS
	HCH	1	0	0.38197	0.5861	PASS
		1	25	0.46113	0.7082	PASS
		1	49	0.37668	0.5332	PASS
		25	0	4.5003	4.900	PASS
		25	12	4.5192	5.104	PASS
		25	25	4.5149	5.048	PASS
		50	0	8.9211	9.421	PASS
16QAM	LCH	1	0	0.37997	0.5380	PASS
		1	25	0.44530	0.6589	PASS
		1	49	0.38102	0.5779	PASS

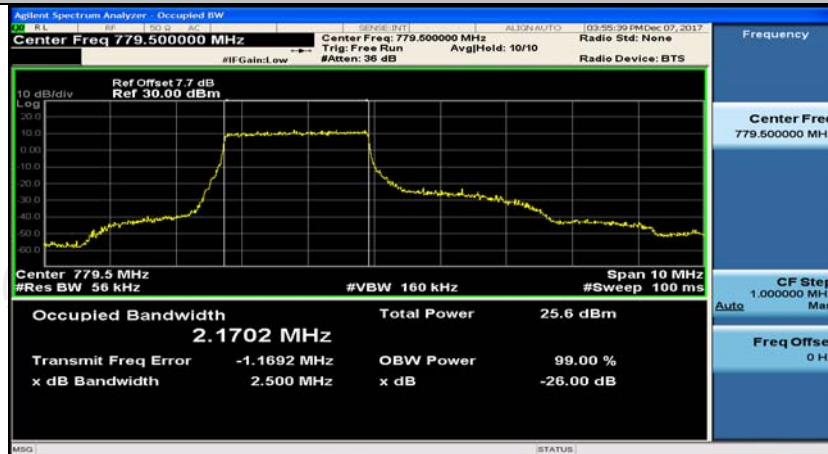
		25	0	4.5052	4.907	PASS
		25	12	4.5138	5.013	PASS
		25	25	4.5297	4.980	PASS
		50	0	8.9184	9.428	PASS
	MCH	1	0	0.38356	0.5573	PASS
		1	25	0.46761	0.6818	PASS
		1	49	0.38235	0.5659	PASS
		25	0	4.5020	4.929	PASS
		25	12	4.5156	5.170	PASS
		25	25	4.5155	4.940	PASS
		50	0	8.9246	9.434	PASS
	HCH	1	0	0.38910	0.5500	PASS
		1	25	0.46410	0.6862	PASS
		1	49	0.38420	0.5630	PASS
		25	0	4.4920	4.904	PASS
		25	12	4.5114	5.124	PASS
		25	25	4.5130	4.908	PASS
		50	0	8.9317	9.406	PASS

Test Graphs

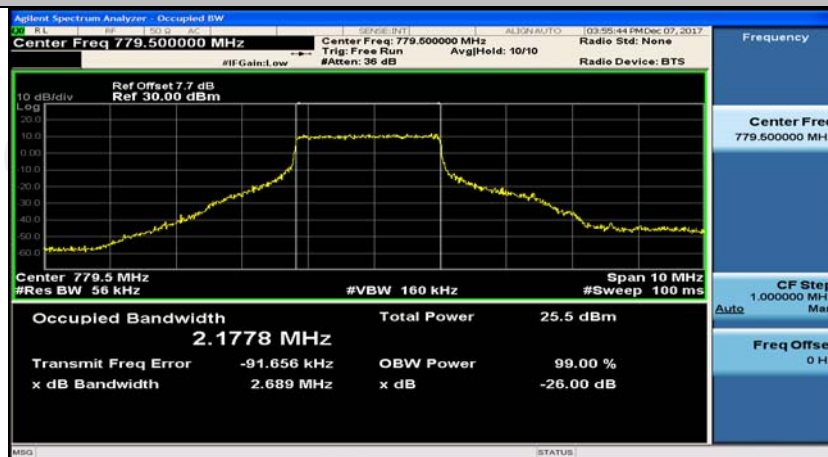
Channel Bandwidth: 5 MHz



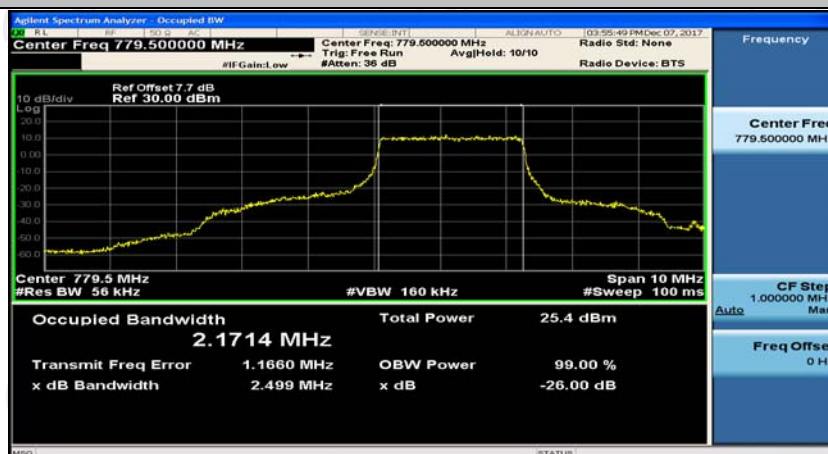
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



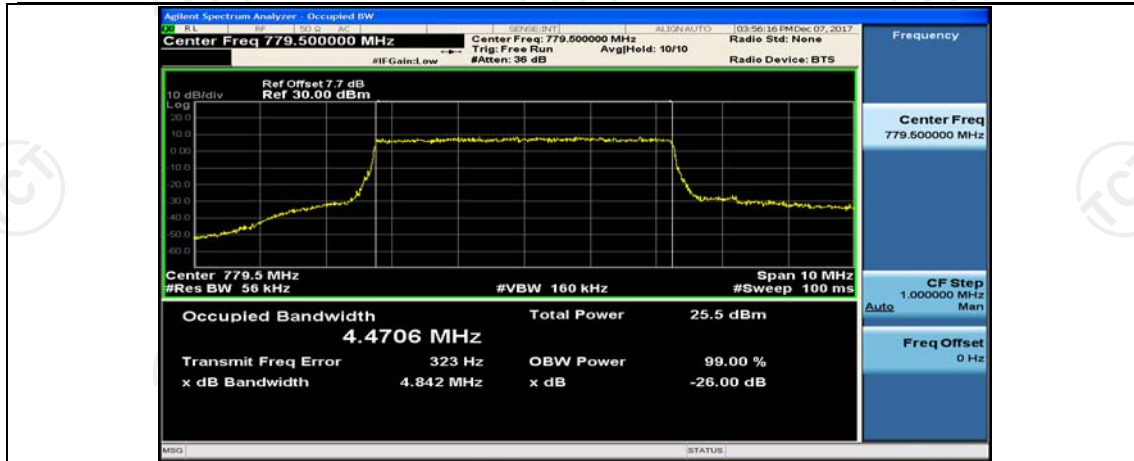
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



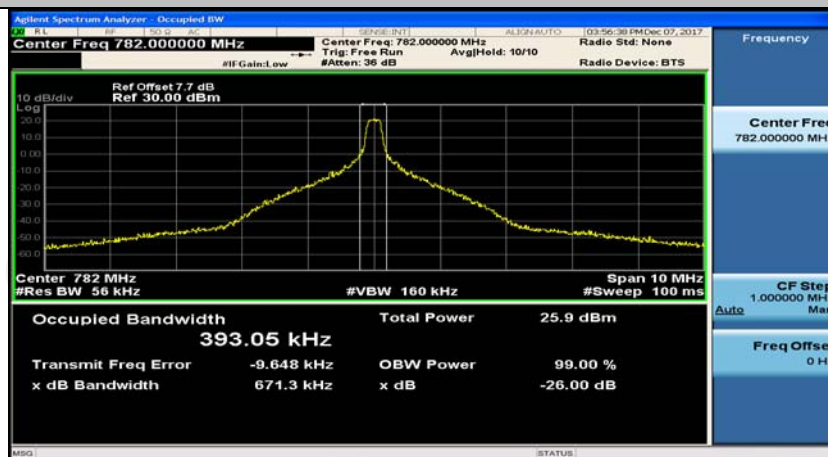
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



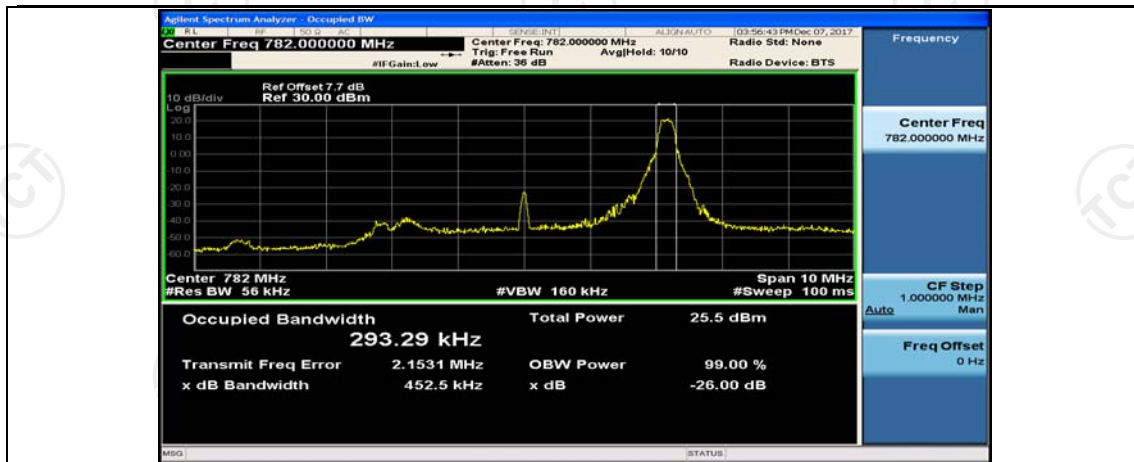
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



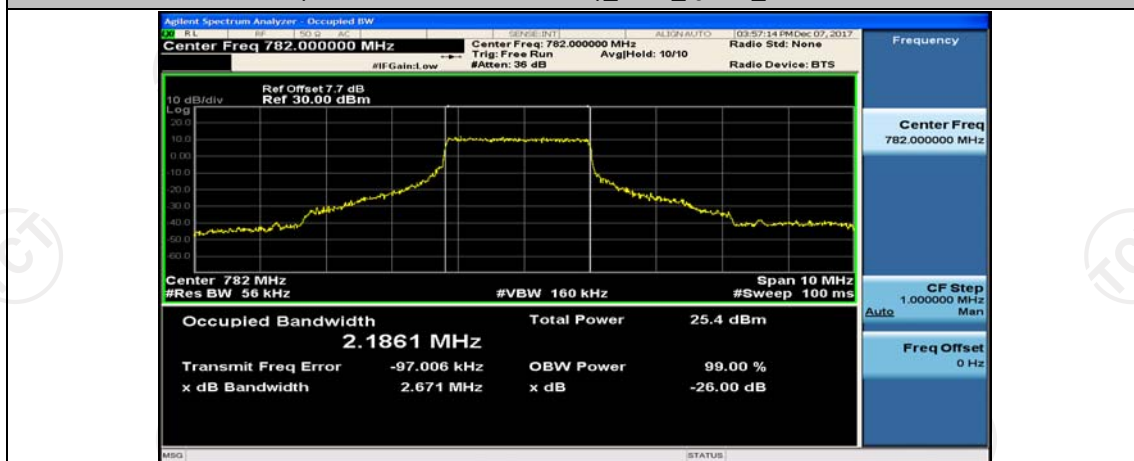
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



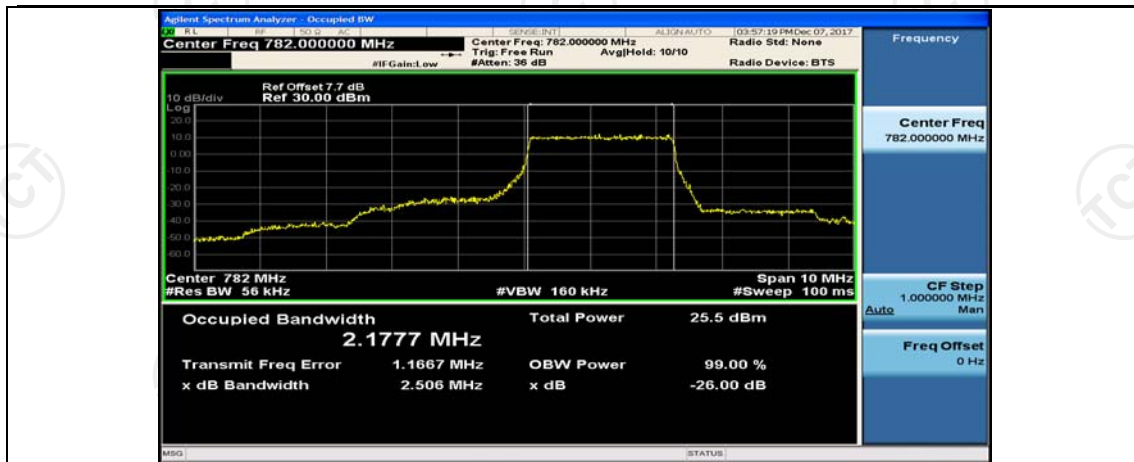
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



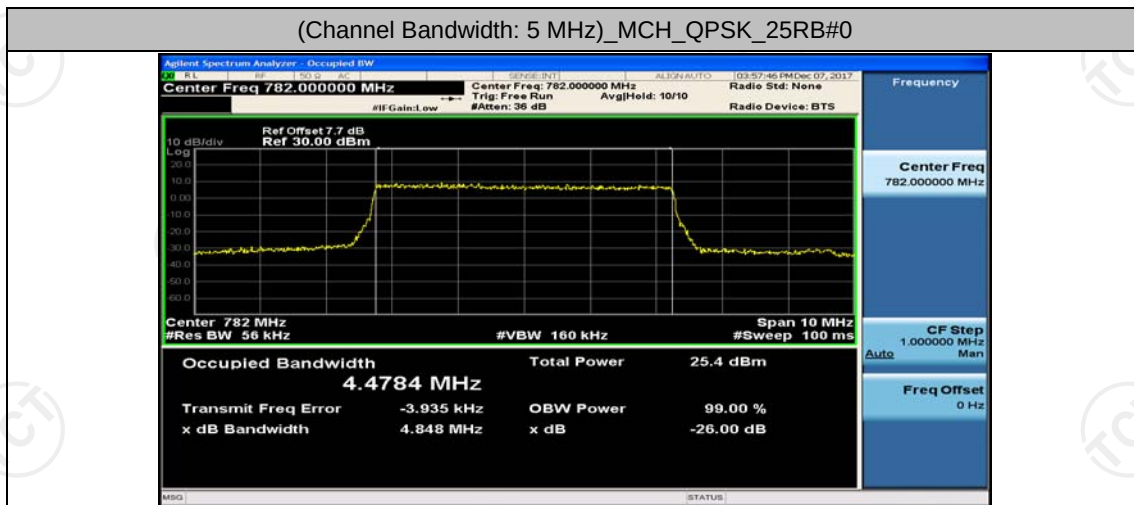
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



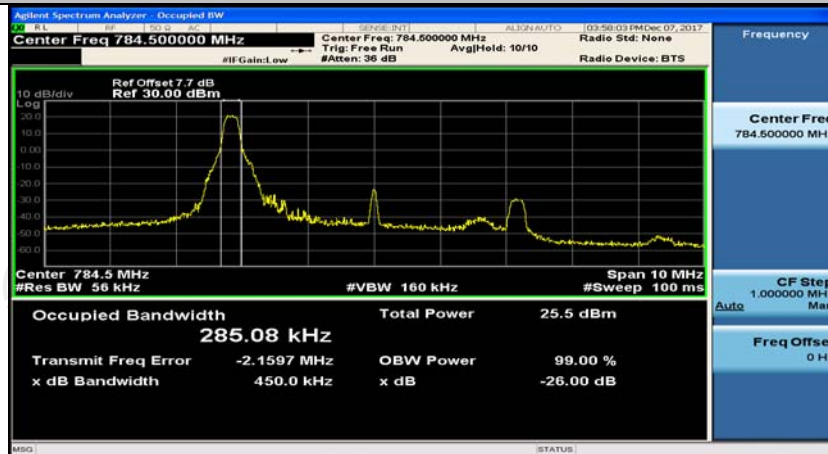
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



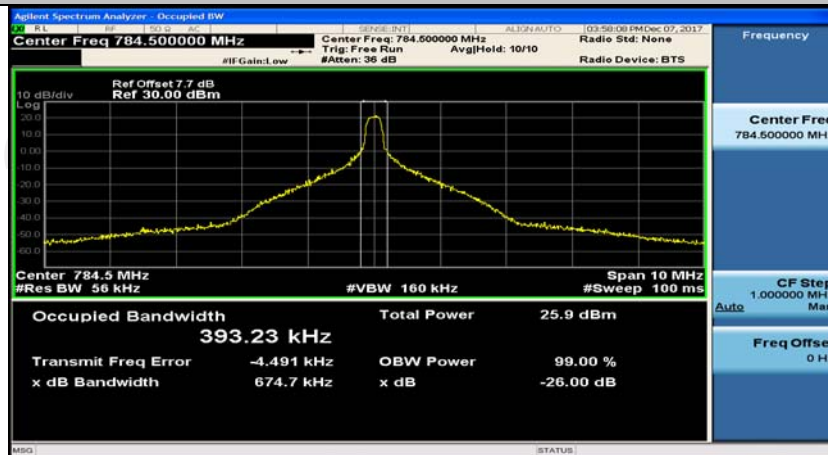
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



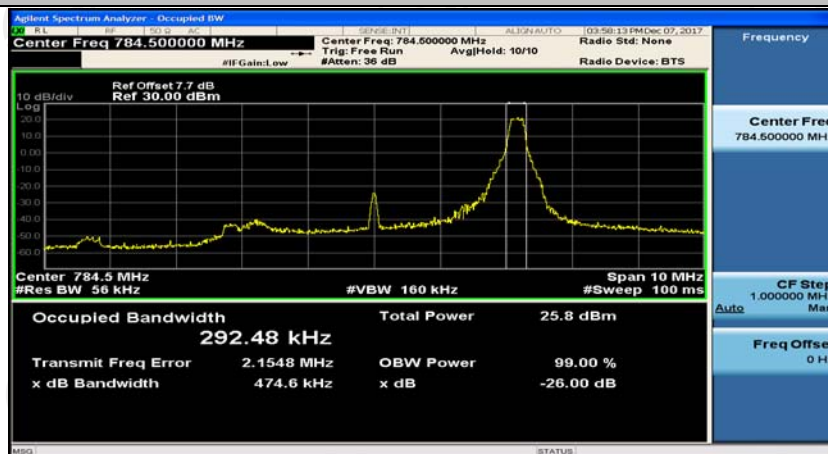
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



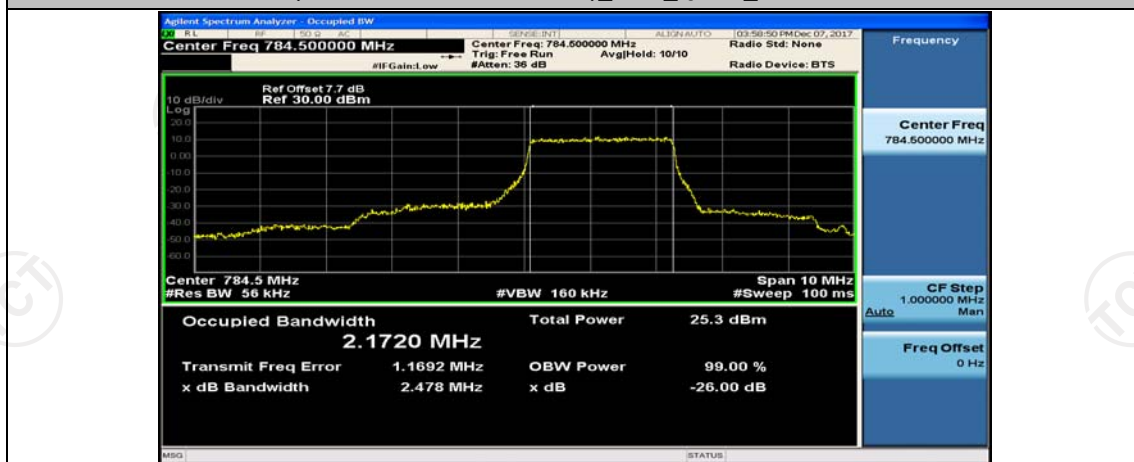
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

