

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	22.35	22.25	PASS
		1	12	22.53	22.43	PASS
		1	24	22.41	22.31	PASS
		12	0	21.15	21.05	PASS
		12	6	21.17	21.07	PASS
		12	13	21.51	21.41	PASS
		25	0	21.45	21.35	PASS
	MCH	1	0	22.41	22.31	PASS
		1	12	22.53	22.43	PASS
		1	24	22.39	22.29	PASS
		12	0	21.38	21.28	PASS
		12	6	21.35	21.25	PASS
		12	13	21.23	21.13	PASS
		25	0	21.37	21.27	PASS
	HCH	1	0	22.47	22.37	PASS
		1	12	22.11	22.01	PASS
		1	24	21.73	21.63	PASS
		12	0	21.55	21.45	PASS
		12	6	21.59	21.49	PASS
		12	13	21.48	21.38	PASS
		25	0	21.59	21.49	PASS
16QAM	LCH	1	0	21.32	21.22	PASS
		1	12	21.52	21.42	PASS
		1	24	21.37	21.27	PASS
		12	0	20.61	20.51	PASS
		12	6	20.59	20.49	PASS
		12	13	20.54	20.44	PASS
		25	0	20.53	20.43	PASS
	MCH	1	0	21.62	21.52	PASS

		1	12	21.72	21.62	PASS
		1	24	21.53	21.43	PASS
		12	0	20.71	20.61	PASS
		12	6	20.65	20.55	PASS
		12	13	20.61	20.51	PASS
		25	0	20.59	20.49	PASS
	HCH	1	0	21.42	21.32	PASS
		1	12	21.53	21.43	PASS
		1	24	21.45	21.59	PASS
		12	0	20.66	20.56	PASS
		12	6	20.65	20.55	PASS
		12	13	20.57	20.47	PASS
		25	0	20.60	20.50	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	22.31	22.21	PASS
		1	24	22.48	22.38	PASS
		1	49	21.78	21.68	PASS
		25	0	21.23	21.13	PASS
		25	12	21.22	21.12	PASS
		25	25	21.18	21.08	PASS
		50	0	21.19	21.09	PASS
	MCH	1	0	22.38	22.28	PASS
		1	24	22.51	22.41	PASS
		1	49	21.36	21.26	PASS
		25	0	21.30	21.20	PASS
		25	12	21.29	21.19	PASS
		25	25	21.22	21.12	PASS
		50	0	21.26	21.16	PASS
	HCH	1	0	22.44	22.34	PASS
		1	24	22.59	22.49	PASS
		1	49	21.37	21.27	PASS
		25	0	21.42	21.32	PASS
		25	12	21.41	21.31	PASS
		25	25	21.29	21.19	PASS
		50	0	21.40	21.30	PASS
16QAM	LCH	1	0	21.48	21.38	PASS

		1	24	21.67	21.57	PASS
		1	49	21.52	21.42	PASS
		25	0	20.63	20.53	PASS
		25	12	20.54	20.44	PASS
		25	25	20.49	20.39	PASS
		50	0	20.48	20.38	PASS
	MCH	1	0	21.58	21.48	PASS
		1	24	21.67	21.57	PASS
		1	49	21.52	21.42	PASS
		25	0	20.81	20.71	PASS
		25	12	20.70	20.60	PASS
		25	25	20.62	20.52	PASS
		50	0	20.55	20.45	PASS
	HCH	1	0	21.34	21.24	PASS
		1	24	21.43	21.33	PASS
		1	49	21.23	21.13	PASS
		25	0	20.84	20.74	PASS
		25	12	20.75	20.65	PASS
		25	25	20.66	20.56	PASS
		50	0	20.59	20.49	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	4.9	<13	PASS
		1	12	5.02	<13	PASS
		1	24	5.31	<13	PASS
		12	0	5.6	<13	PASS
		12	6	5.62	<13	PASS
		12	13	5.79	<13	PASS
		25	0	5.69	<13	PASS
	MCH	1	0	5.13	<13	PASS
		1	12	5.27	<13	PASS
		1	24	5.39	<13	PASS
		12	0	5.88	<13	PASS
		12	6	5.91	<13	PASS
		12	13	5.92	<13	PASS
		25	0	5.94	<13	PASS
	HCH	1	0	5.66	<13	PASS
		1	12	5.36	<13	PASS
		1	24	5.13	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.77	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.86	<13	PASS
16QAM	LCH	1	0	5.59	<13	PASS
		1	12	5.74	<13	PASS
		1	24	5.98	<13	PASS
		12	0	6.49	<13	PASS
		12	6	6.42	<13	PASS
		12	13	6.49	<13	PASS

	MCH	25	0	6.46	<13	PASS
		1	0	5.73	<13	PASS
		1	12	5.7	<13	PASS
		1	24	6.03	<13	PASS
		12	0	6.7	<13	PASS
		12	6	6.63	<13	PASS
		12	13	6.7	<13	PASS
		25	0	6.64	<13	PASS
	HCH	1	0	6.16	<13	PASS
		1	12	6	<13	PASS
		1	24	5.65	<13	PASS
		12	0	6.62	<13	PASS
		12	6	6.68	<13	PASS
		12	13	6.48	<13	PASS
		25	0	6.59	<13	PASS

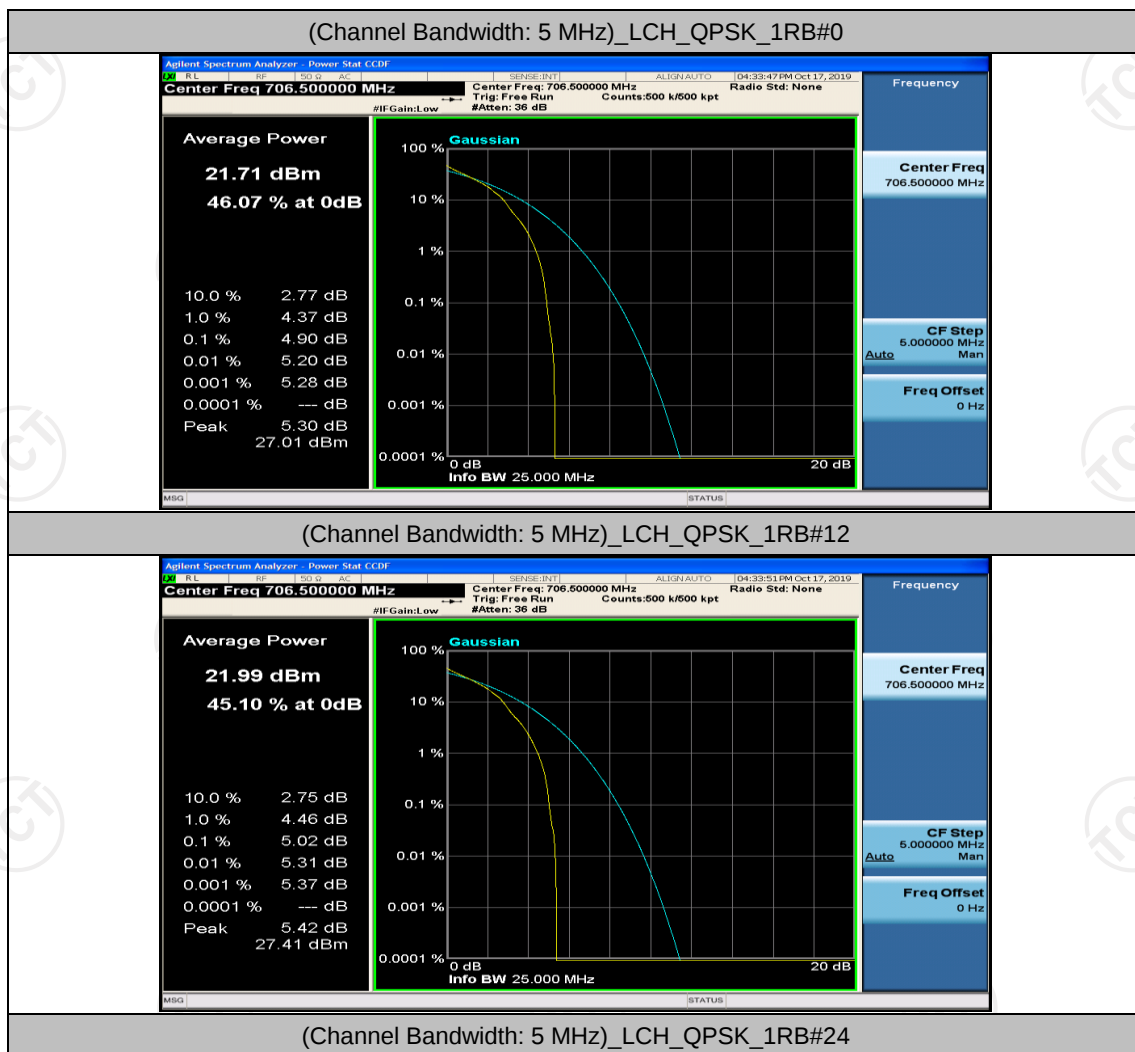
Channel Bandwidth: 10 MHz

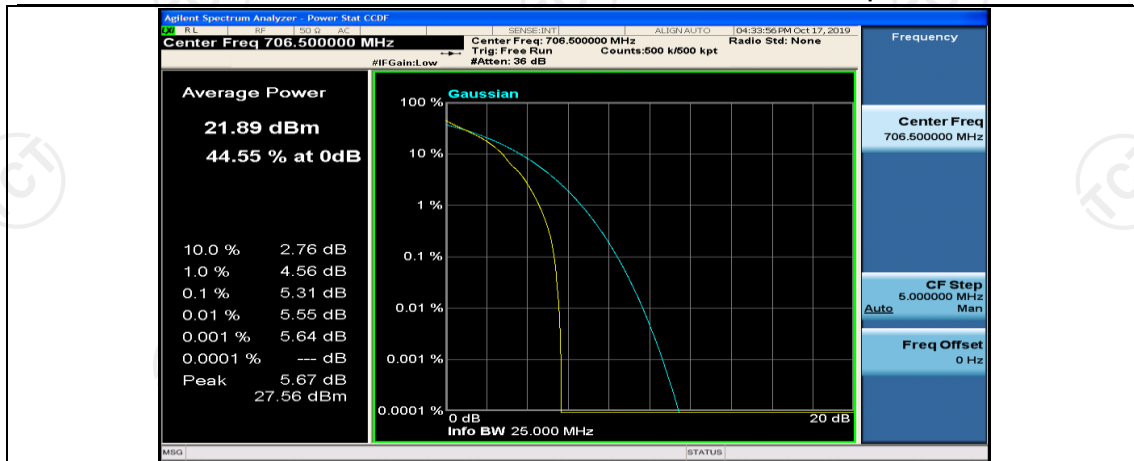
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.77	<13	PASS
		1	24	5.29	<13	PASS
		1	49	5.44	<13	PASS
		25	0	5.74	<13	PASS
		25	12	5.73	<13	PASS
		25	25	5.91	<13	PASS
		50	0	5.92	<13	PASS
	MCH	1	0	4.71	<13	PASS
		1	24	5.25	<13	PASS
		1	49	4.91	<13	PASS
		25	0	5.85	<13	PASS
		25	12	5.86	<13	PASS
		25	25	5.95	<13	PASS
		50	0	5.86	<13	PASS
	HCH	1	0	4.96	<13	PASS
		1	24	5.23	<13	PASS
		1	49	4.92	<13	PASS
		25	0	5.86	<13	PASS
		25	12	5.87	<13	PASS
		25	25	5.71	<13	PASS

		50	0	5.84	<13	PASS
16QAM	LCH	1	0	5.74	<13	PASS
		1	24	6.13	<13	PASS
		1	49	6.24	<13	PASS
		25	0	6.6	<13	PASS
		25	12	6.6	<13	PASS
		25	25	6.74	<13	PASS
		50	0	6.68	<13	PASS
	MCH	1	0	5.52	<13	PASS
		1	24	5.87	<13	PASS
		1	49	5.74	<13	PASS
		25	0	6.74	<13	PASS
		25	12	6.7	<13	PASS
		25	25	6.72	<13	PASS
		50	0	6.74	<13	PASS
	HCH	1	0	6.08	<13	PASS
		1	24	6.23	<13	PASS
		1	49	5.91	<13	PASS
		25	0	6.77	<13	PASS
		25	12	6.69	<13	PASS
		25	25	6.54	<13	PASS
		50	0	6.65	<13	PASS

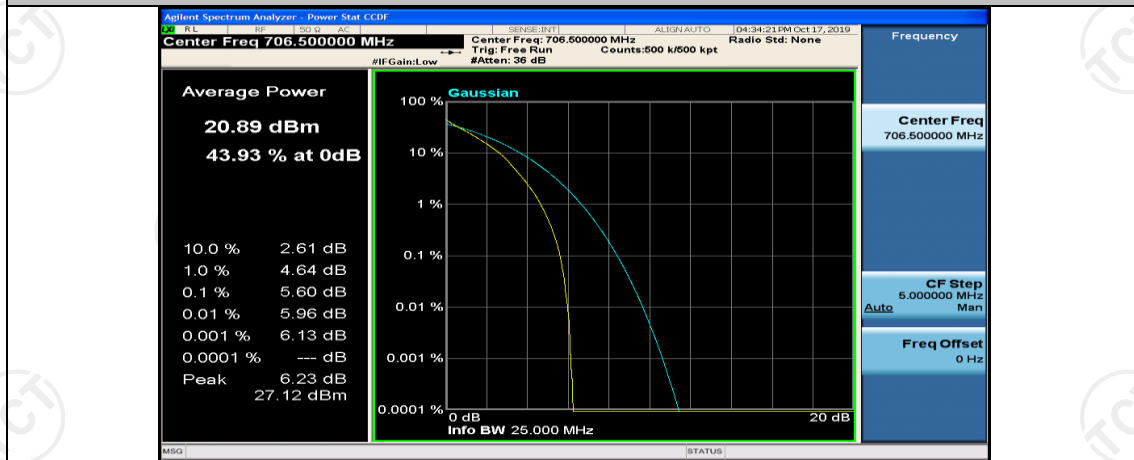
Test Graphs

Channel Bandwidth: 5 MHz

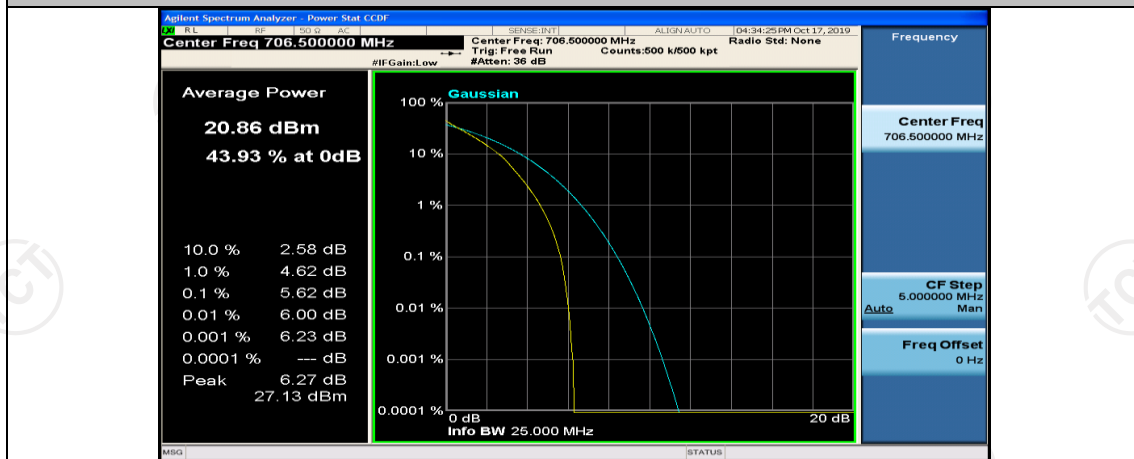




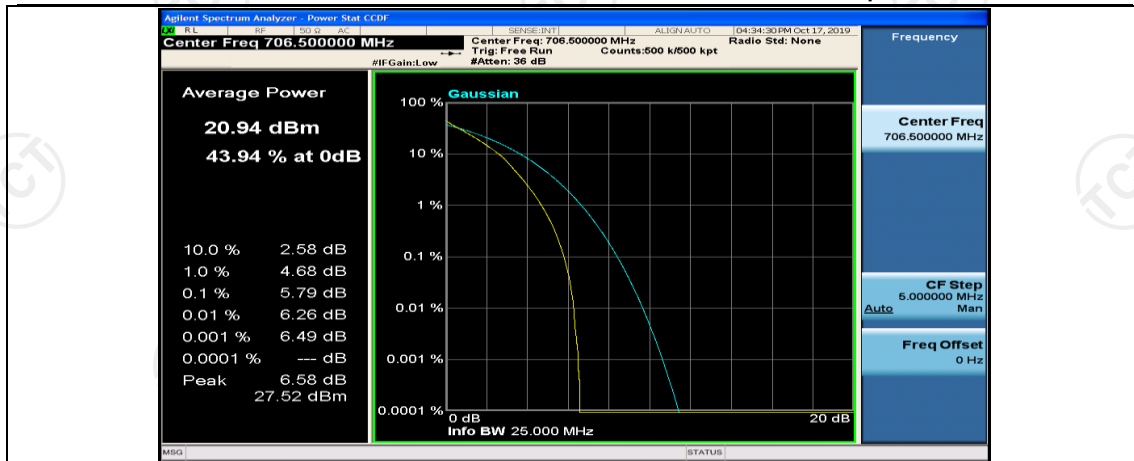
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



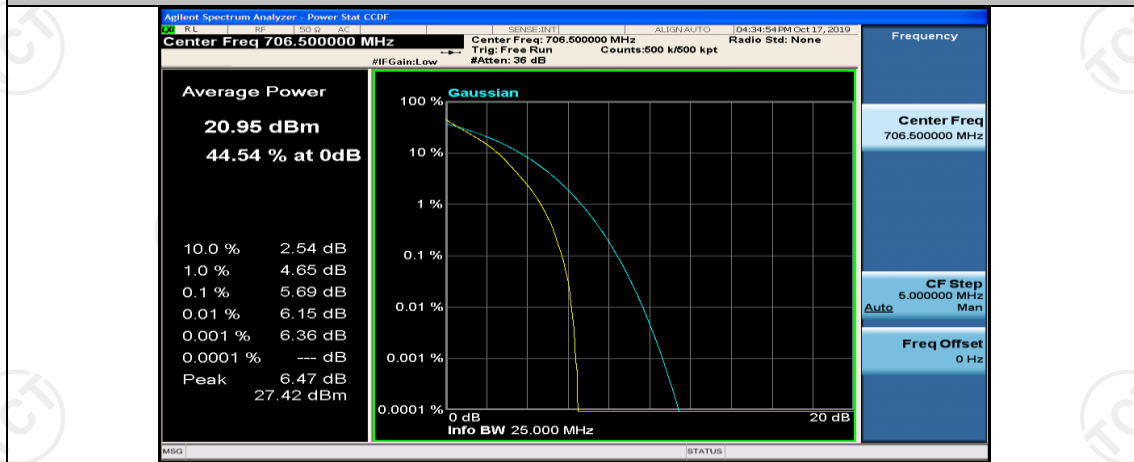
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



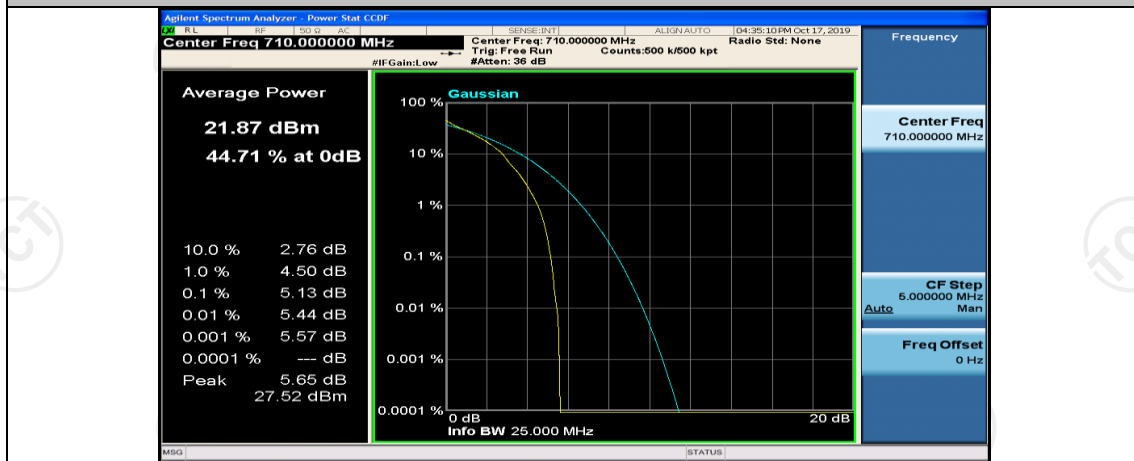
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



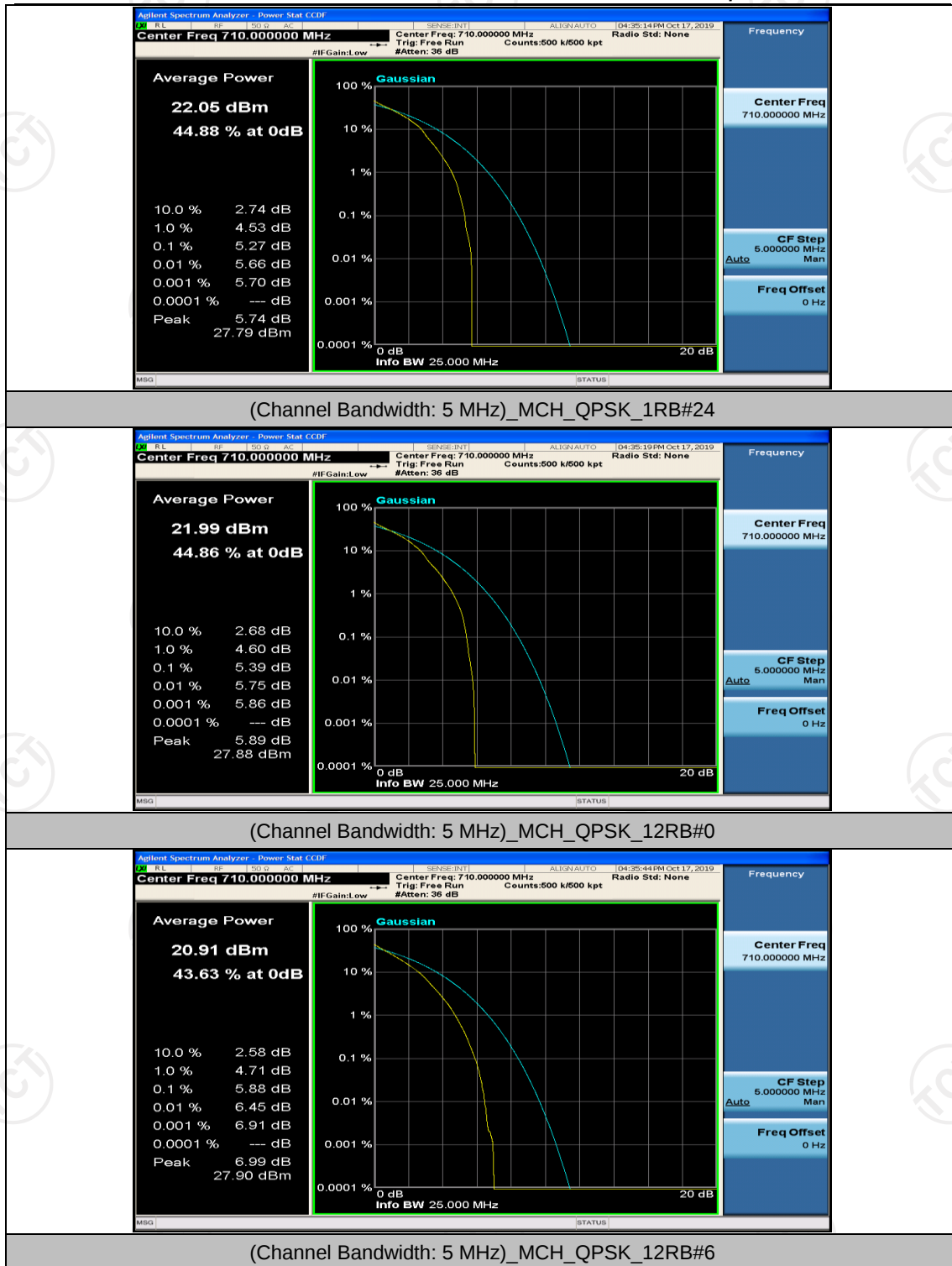
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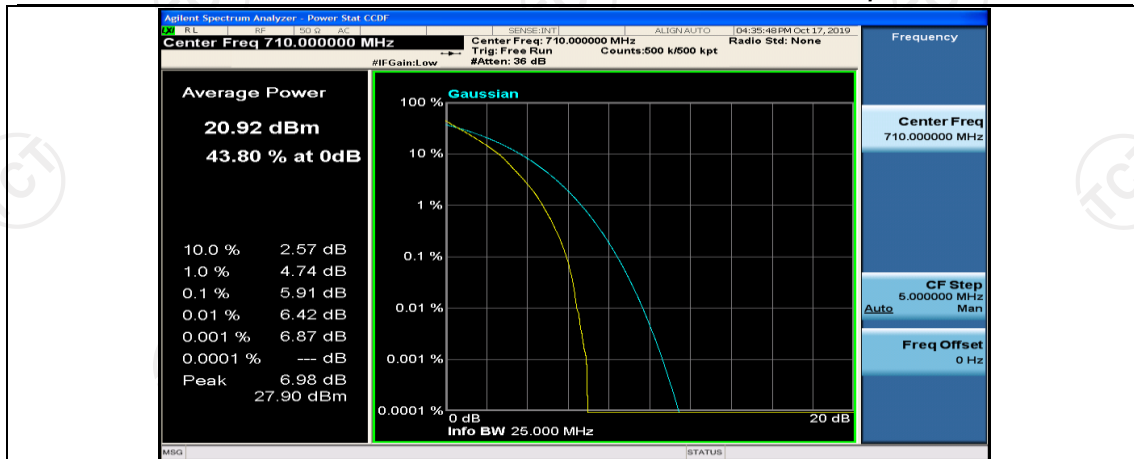


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

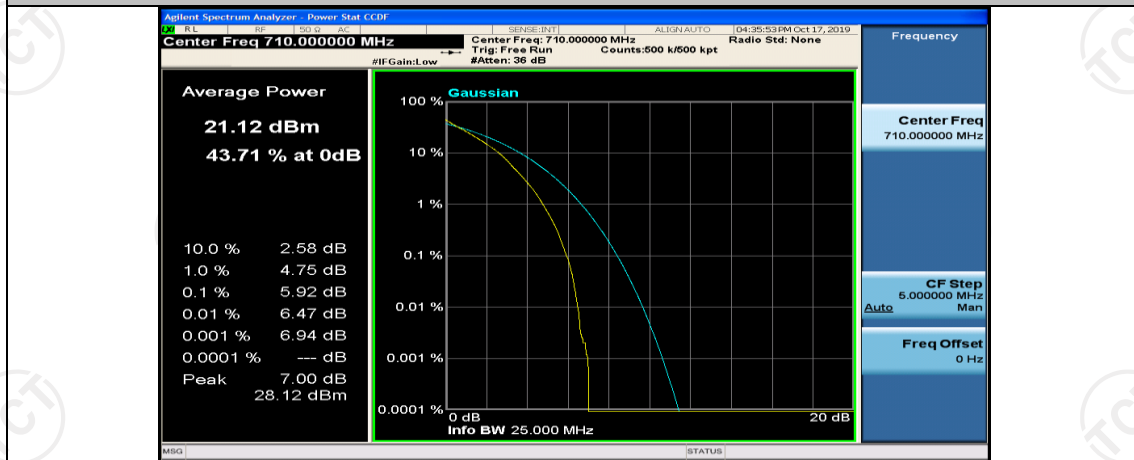


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

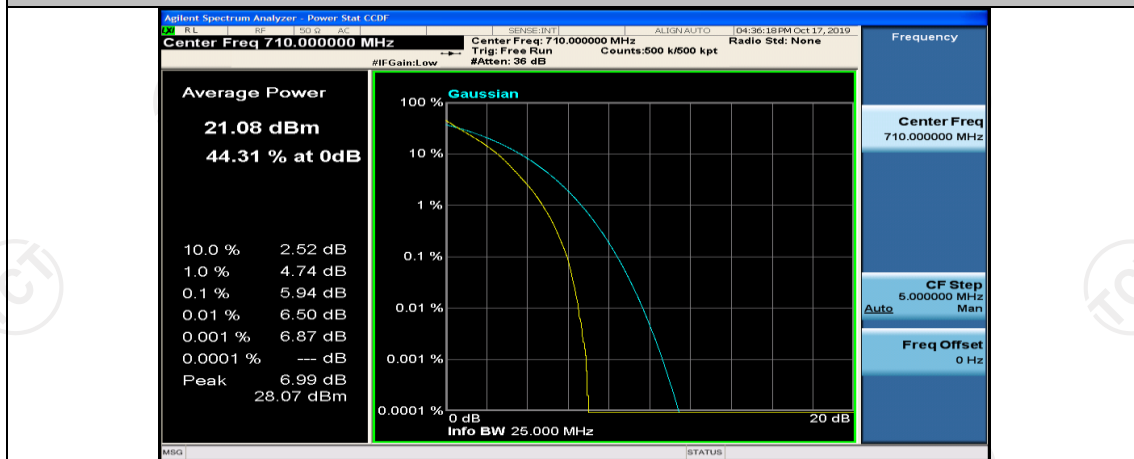




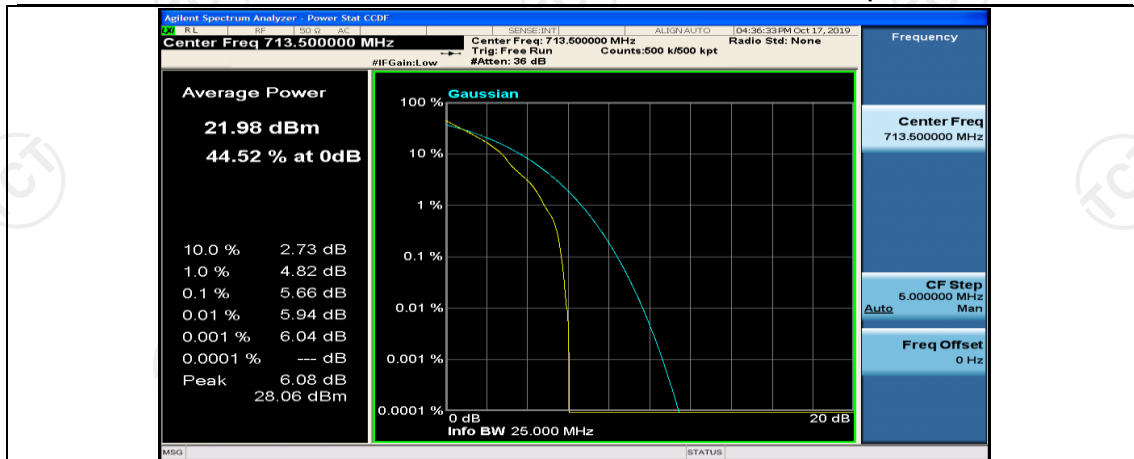
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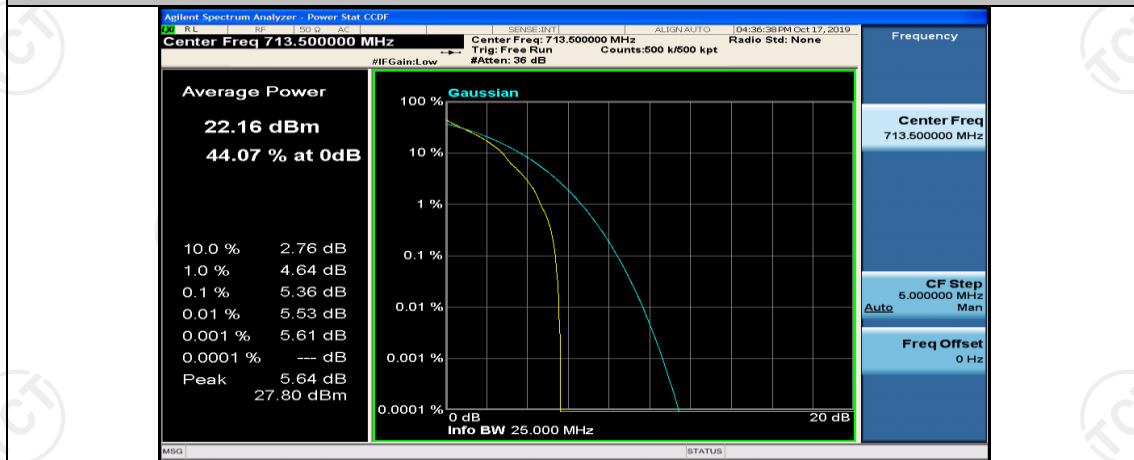
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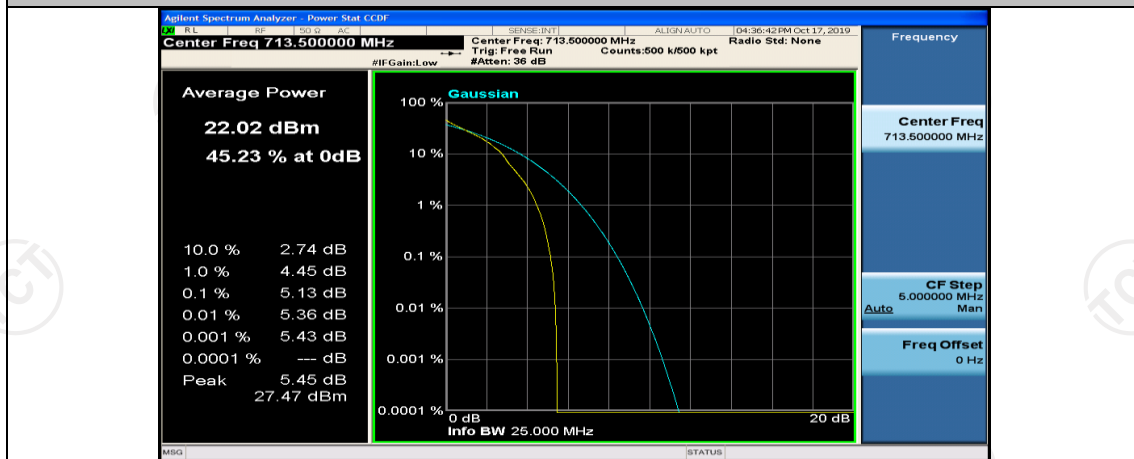
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



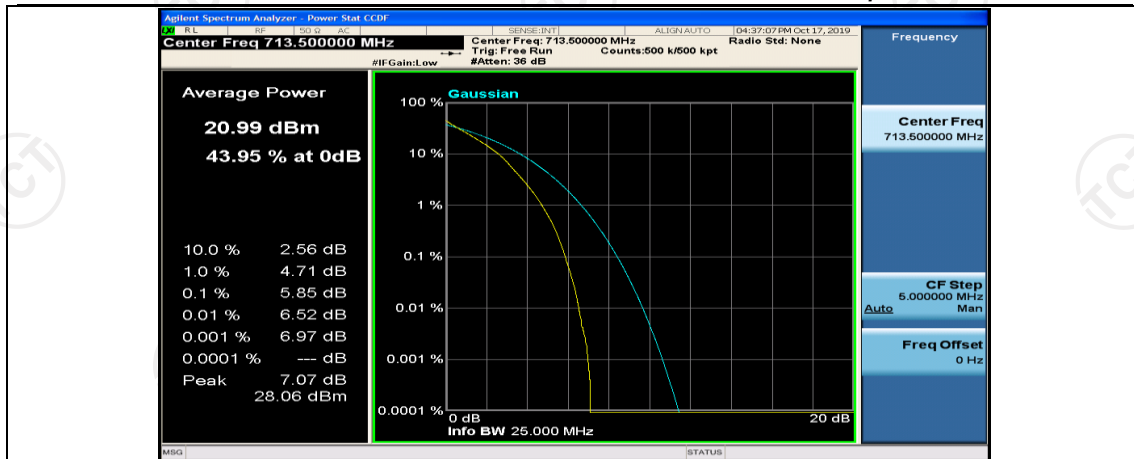
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



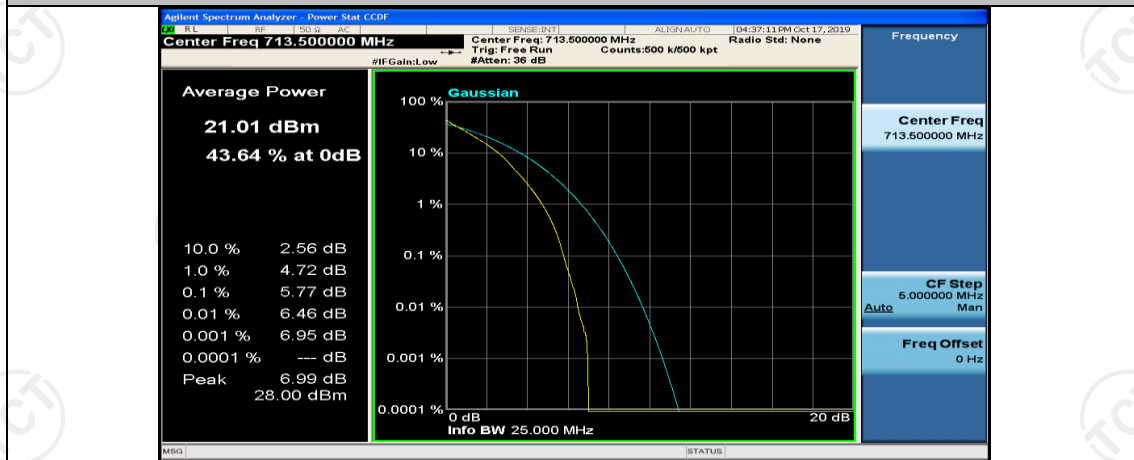
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



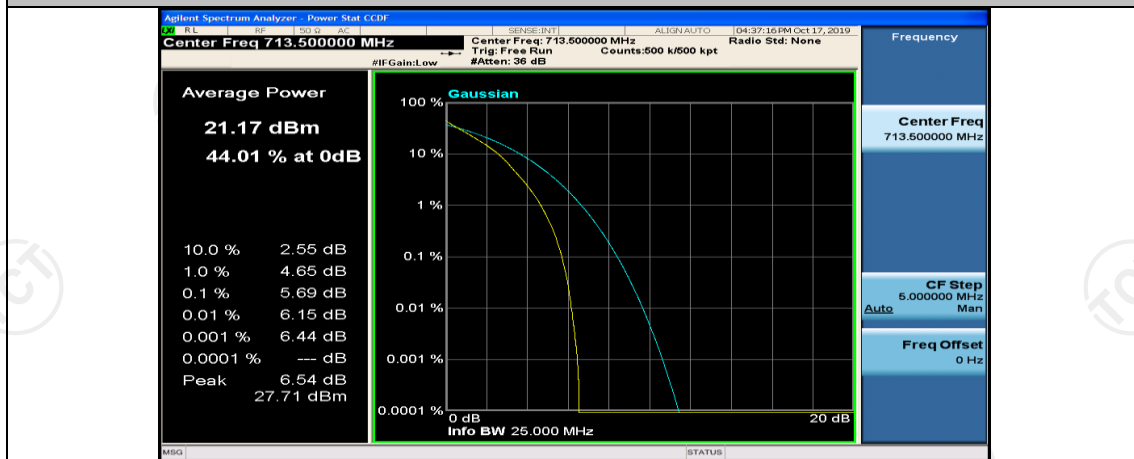
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



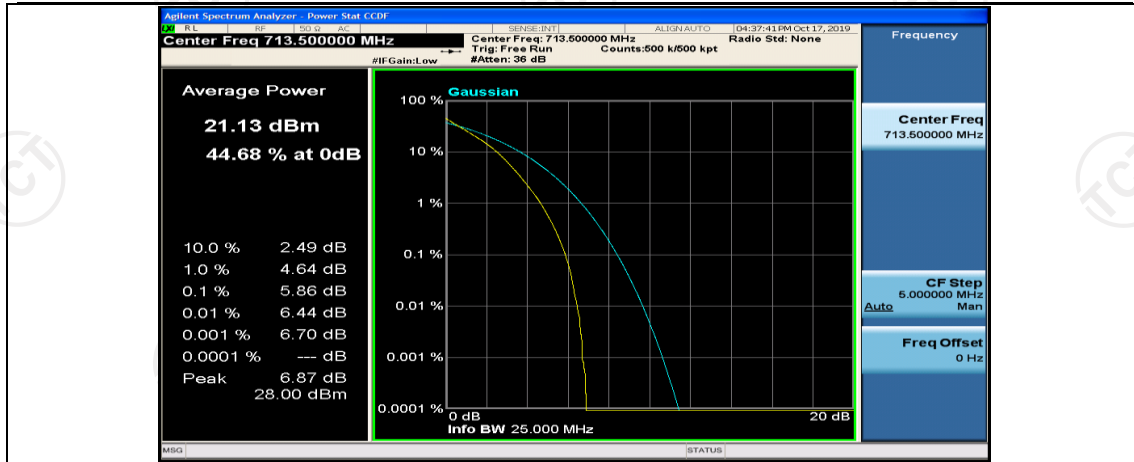
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



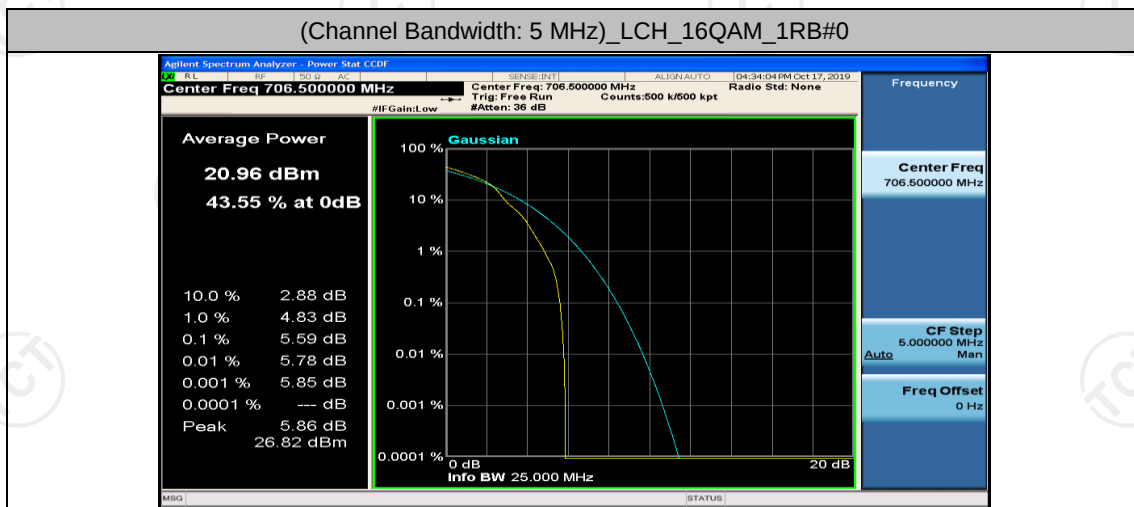
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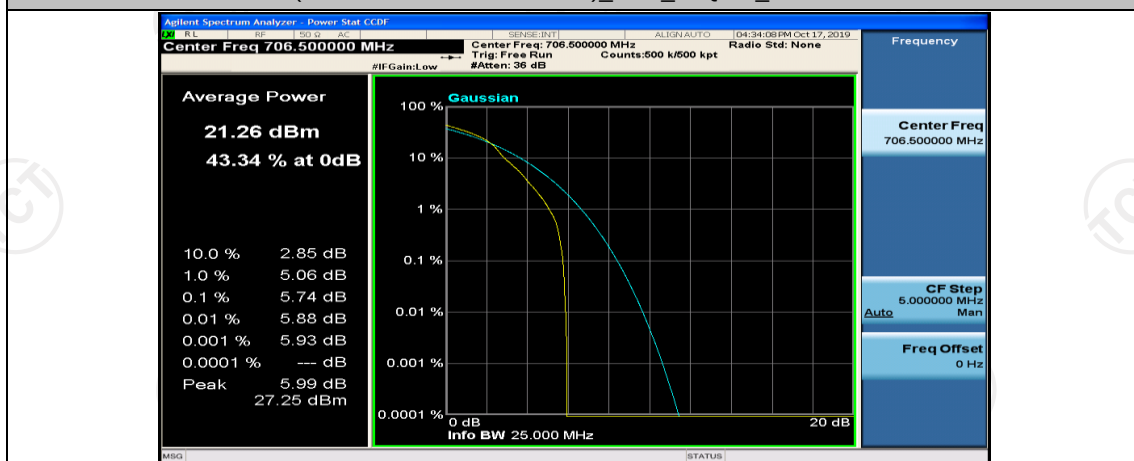
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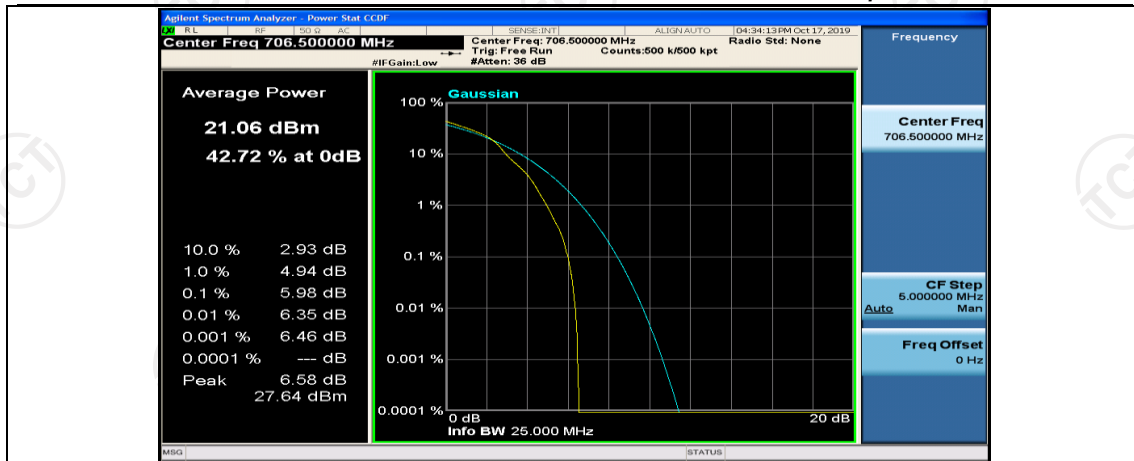
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



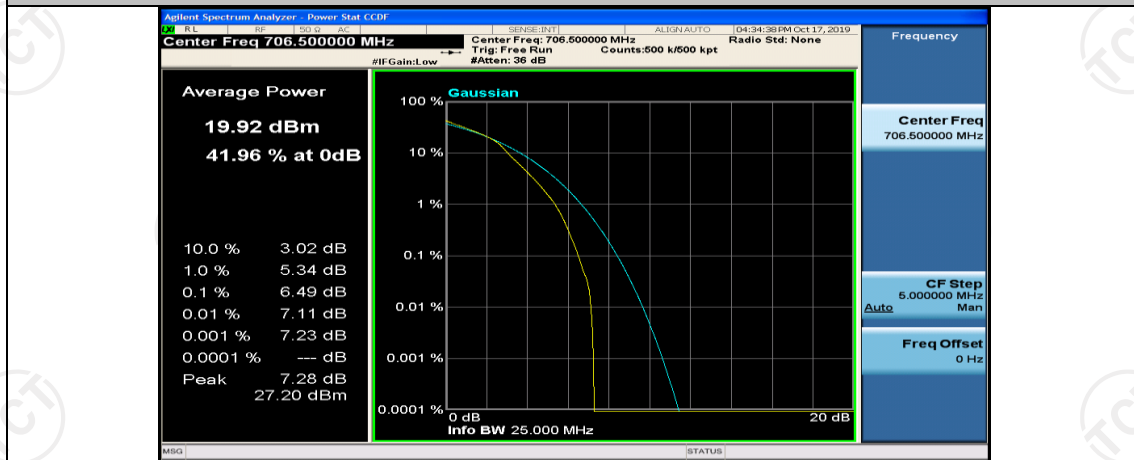
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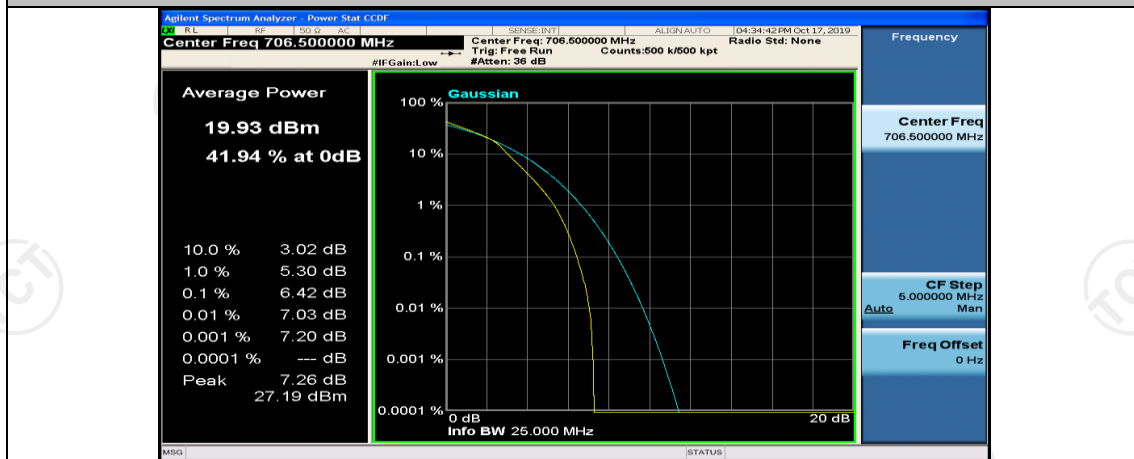
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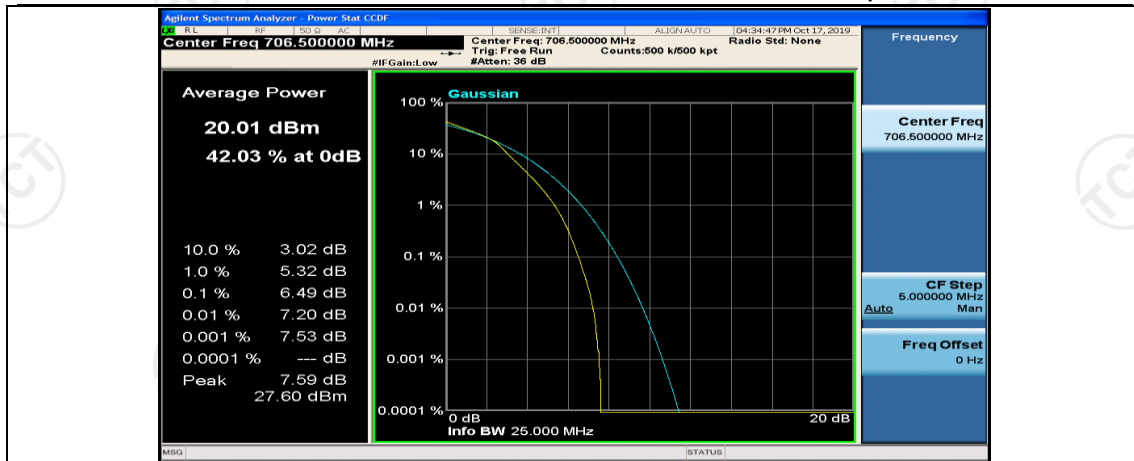
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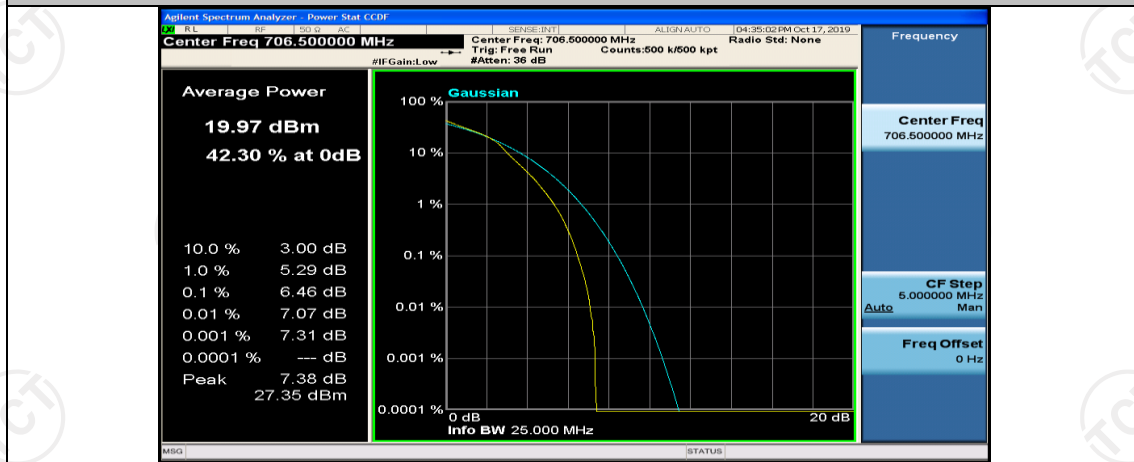
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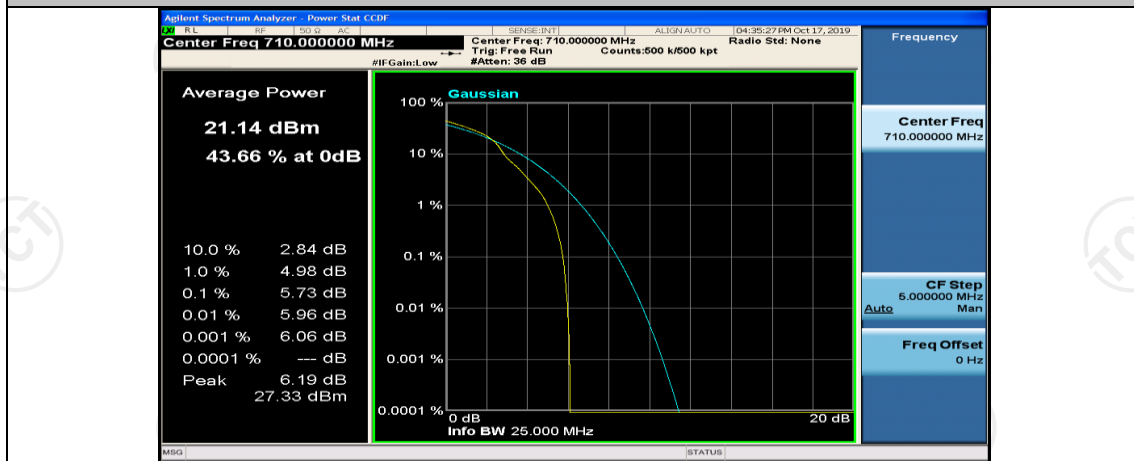
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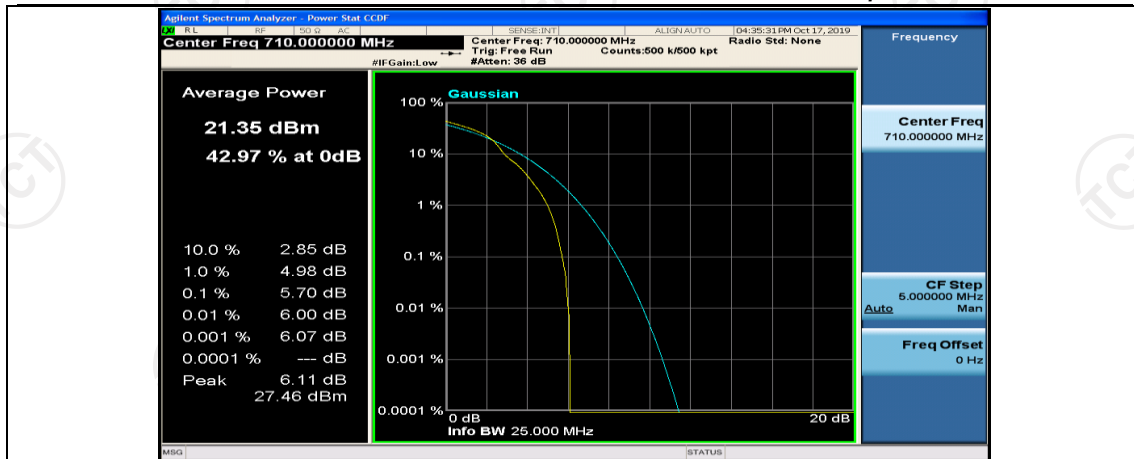
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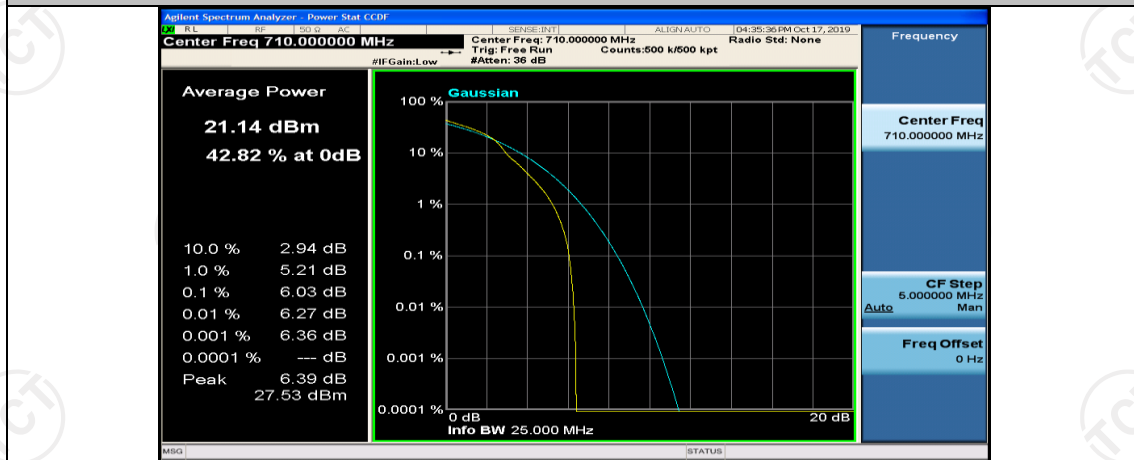
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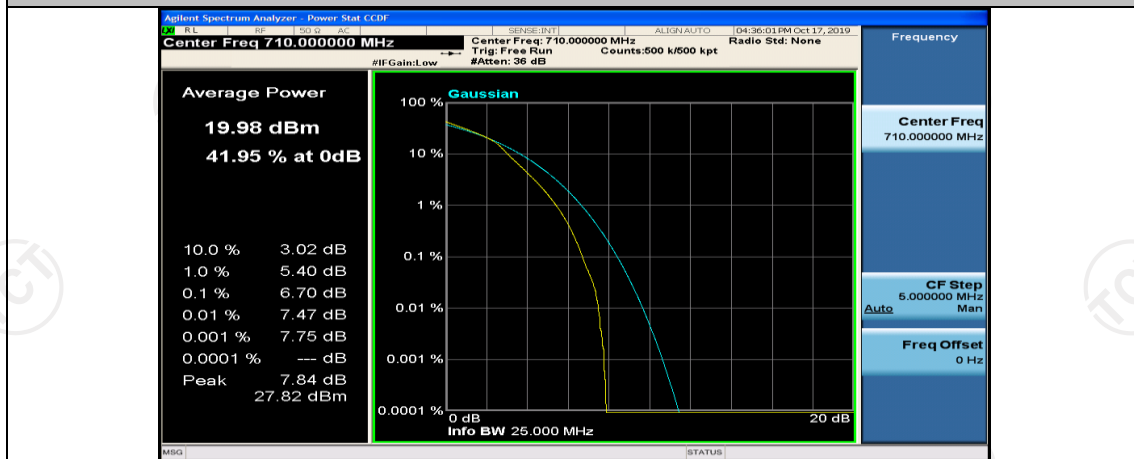
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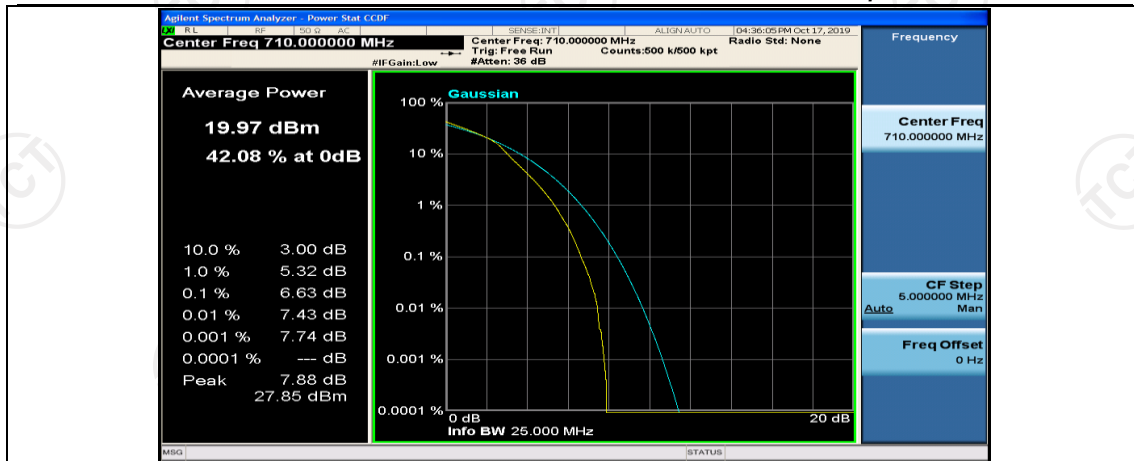
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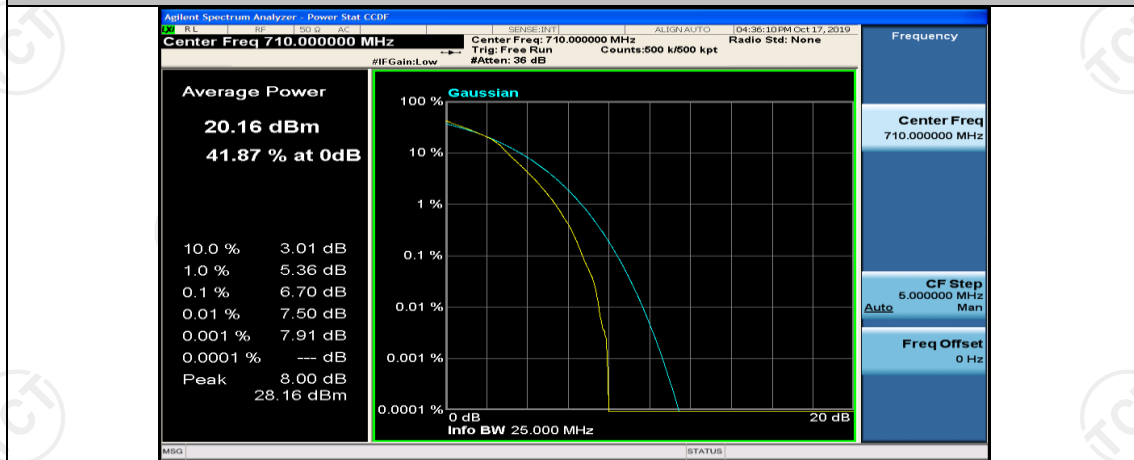
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



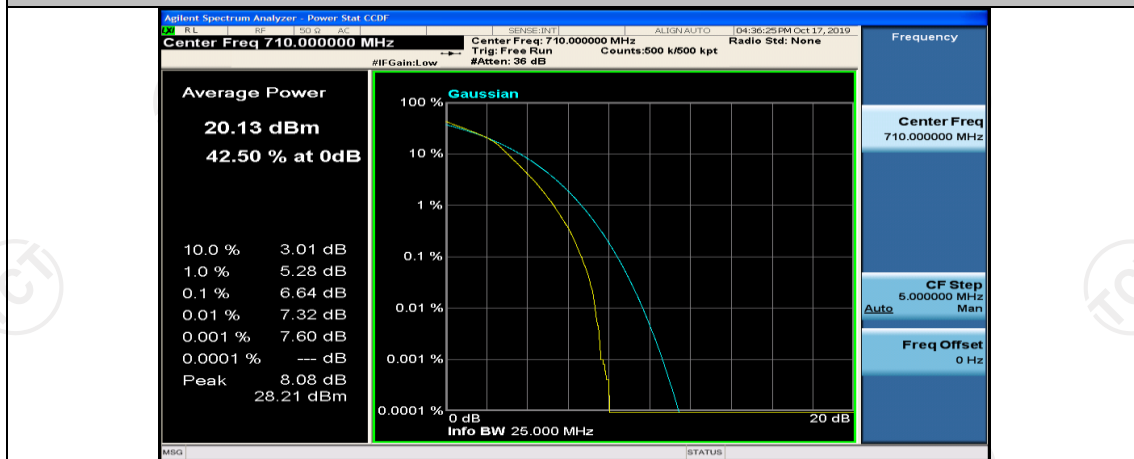
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



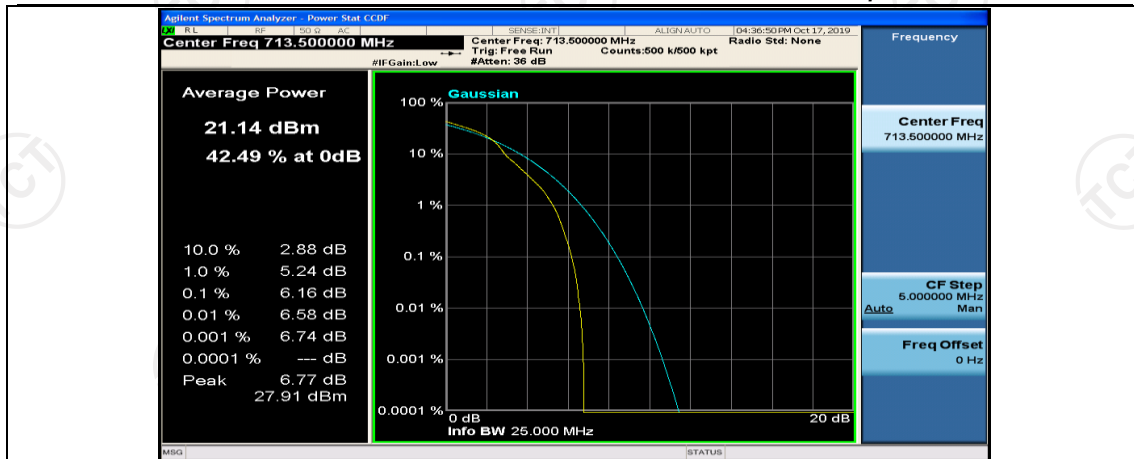
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



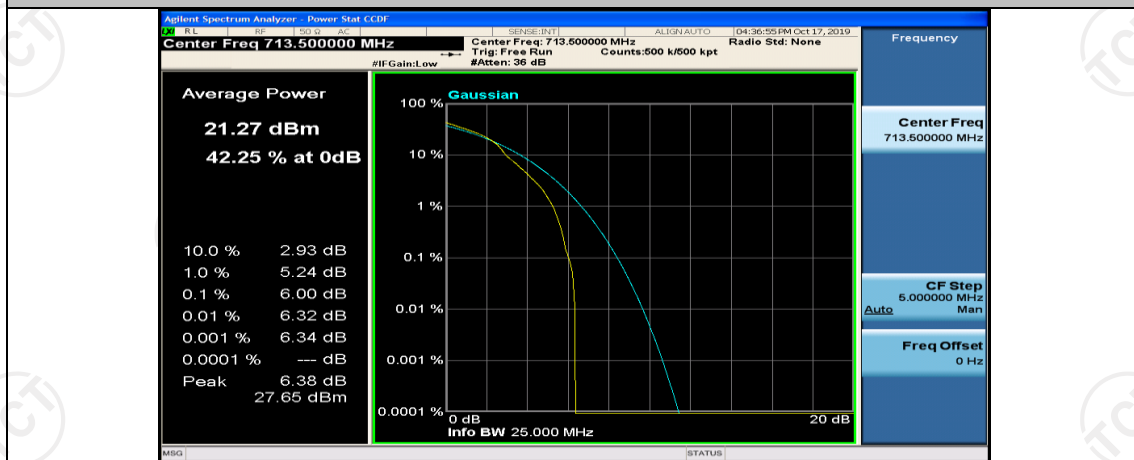
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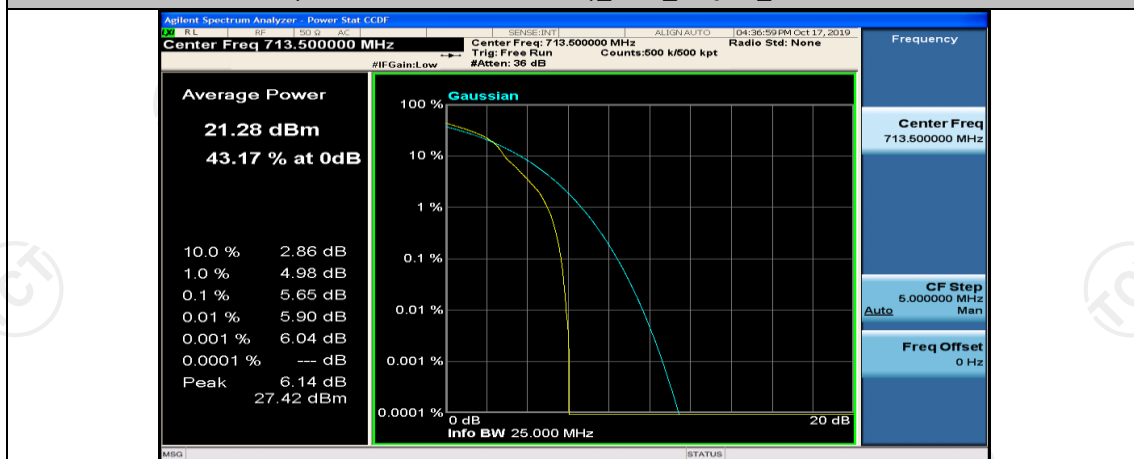
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



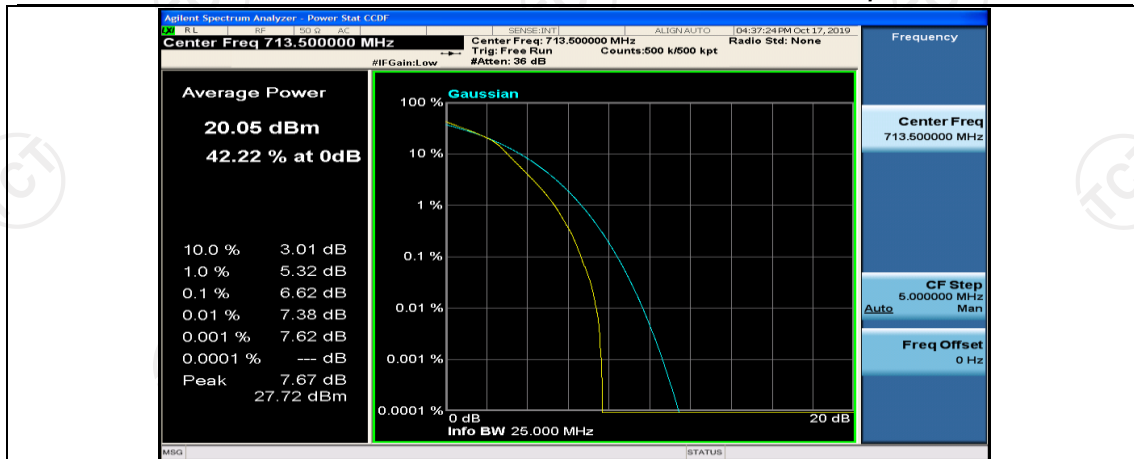
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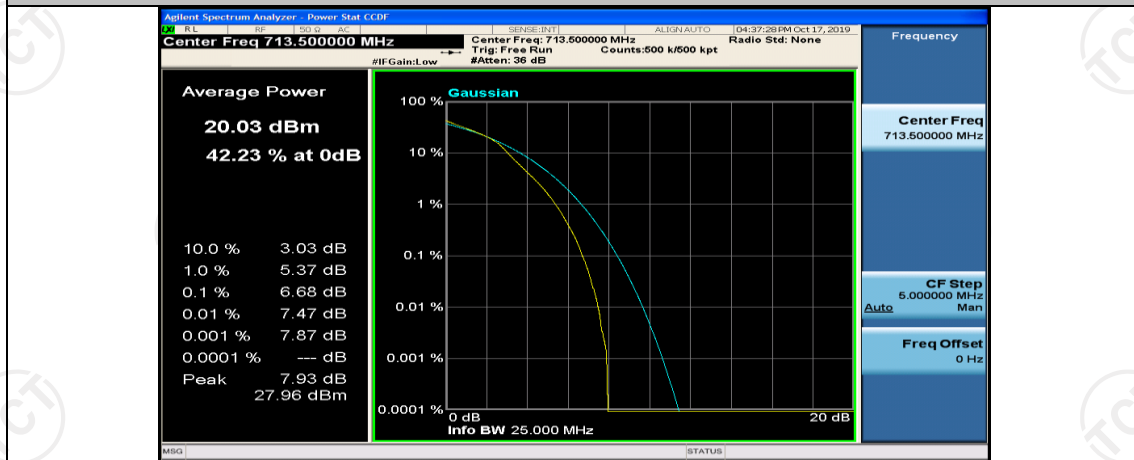
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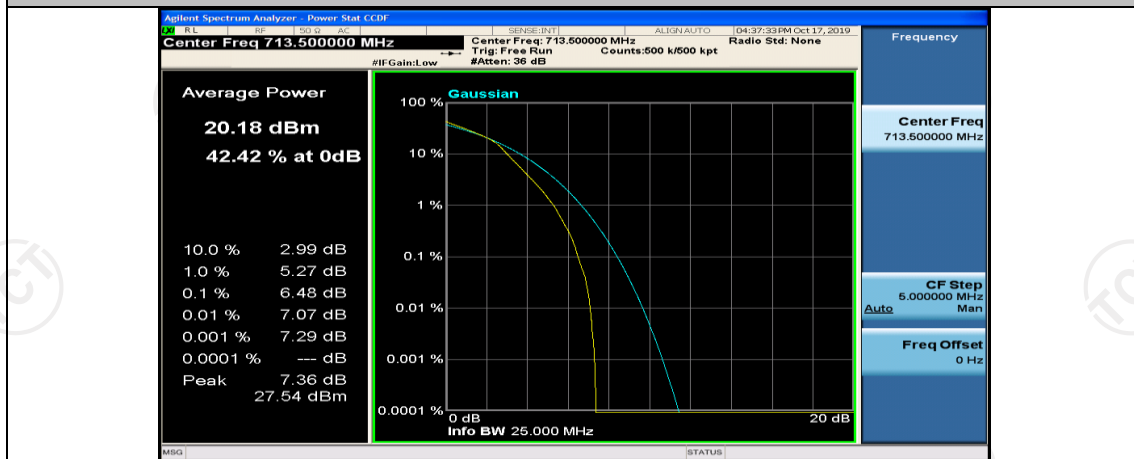
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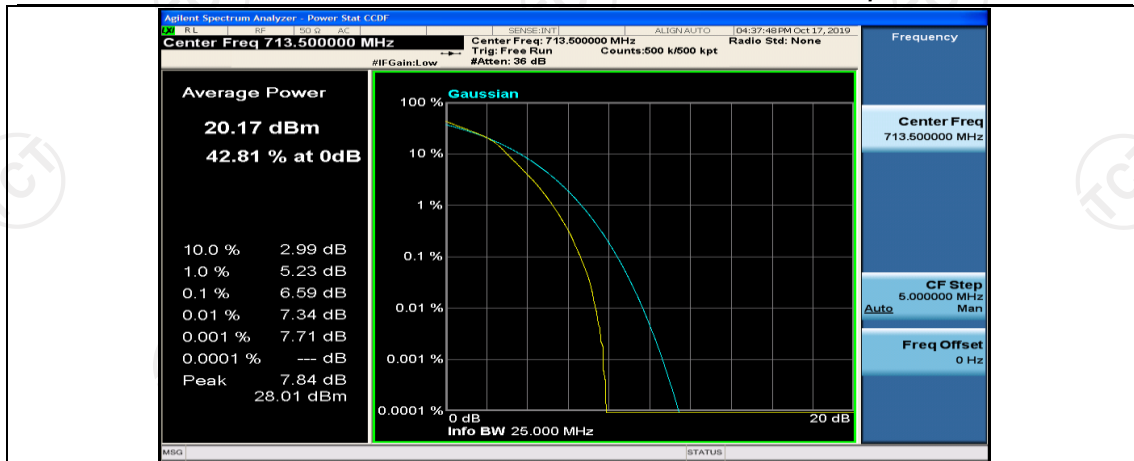
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



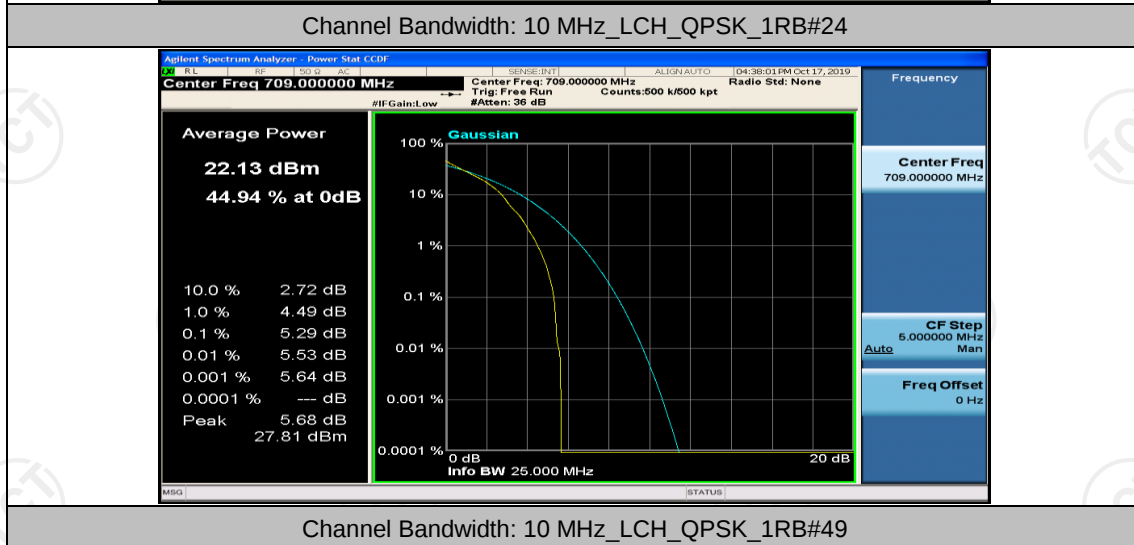
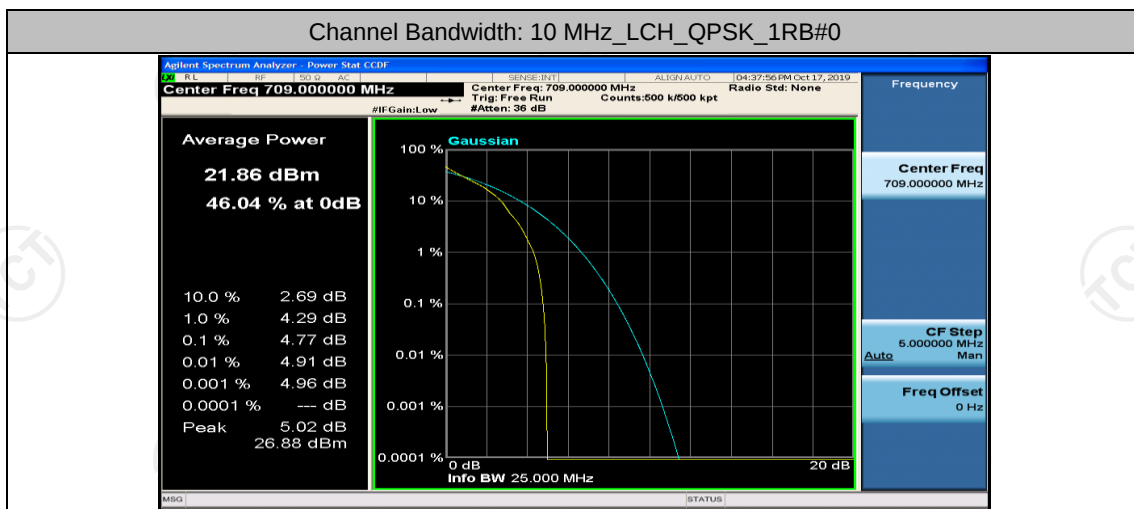
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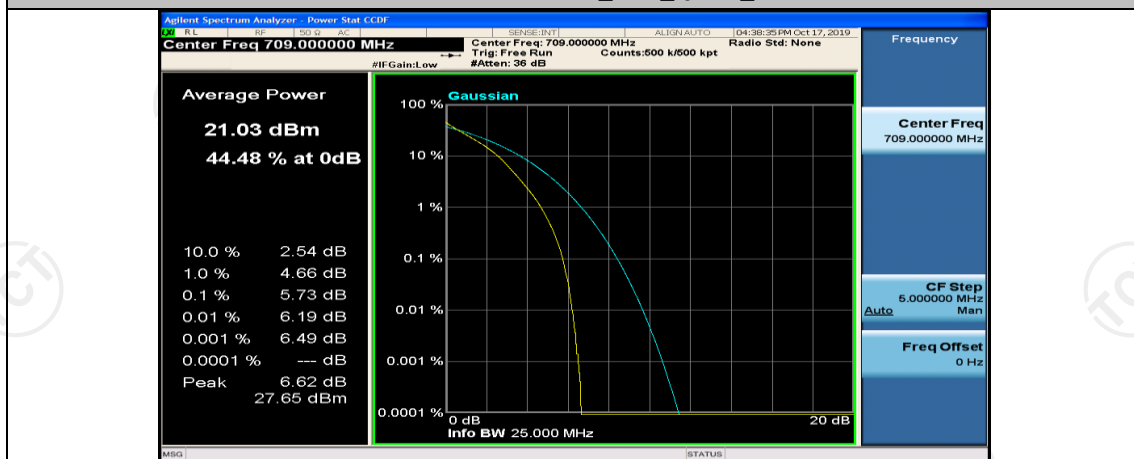
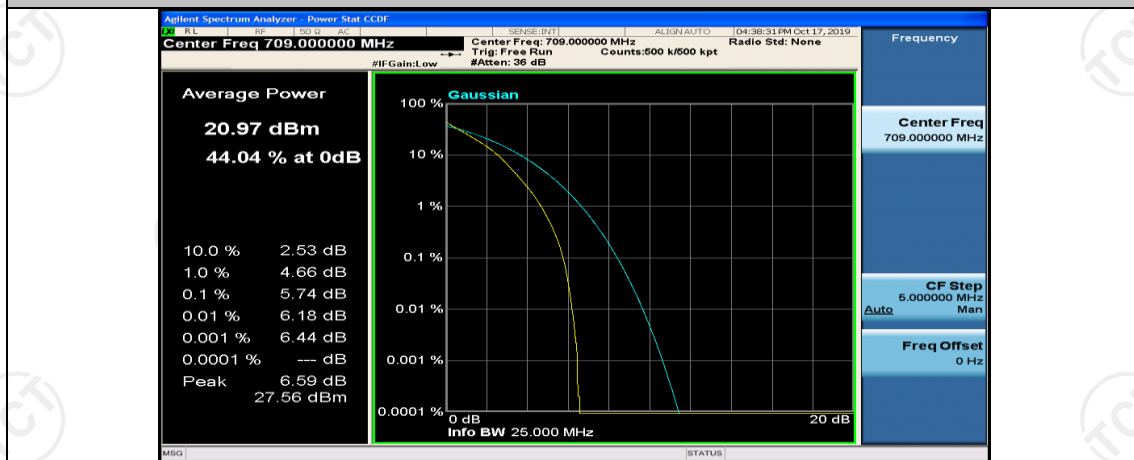
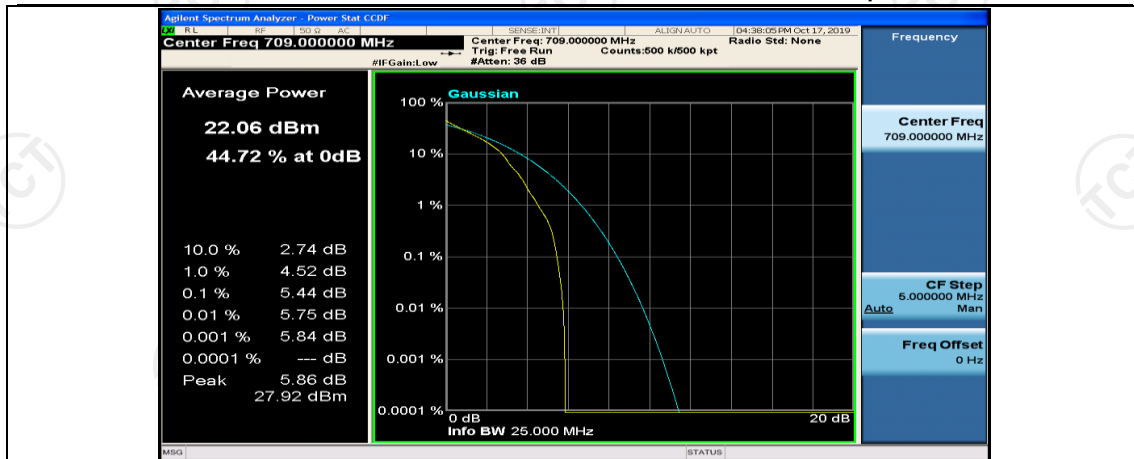


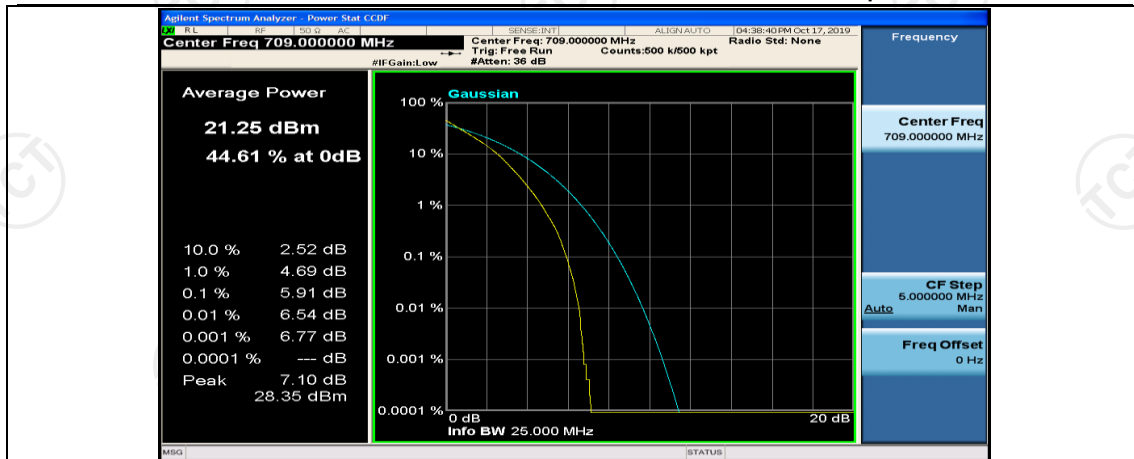
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



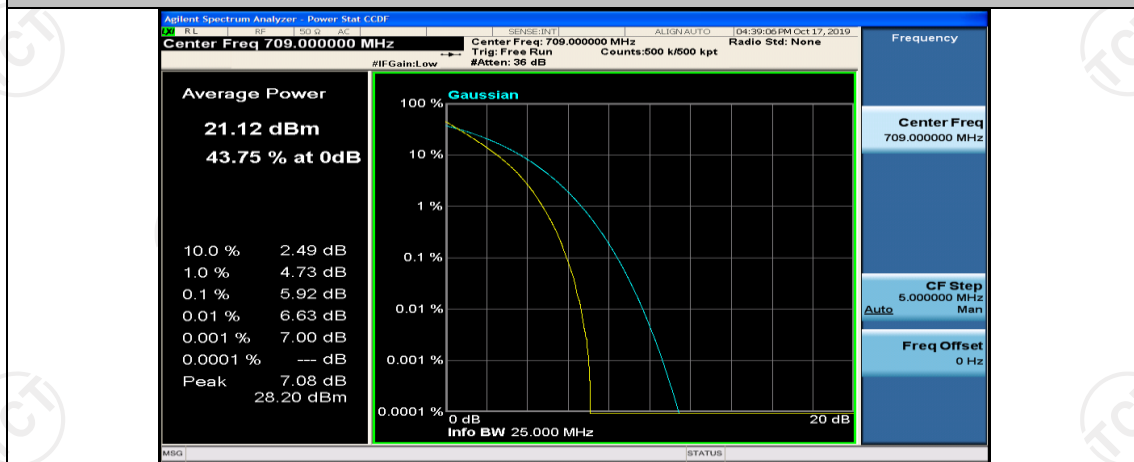
Channel Bandwidth: 10 MHz



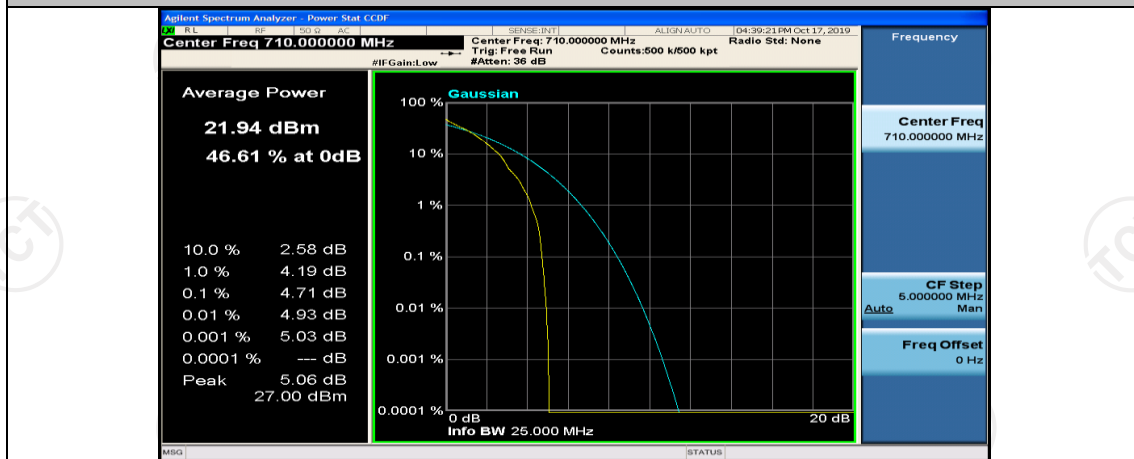




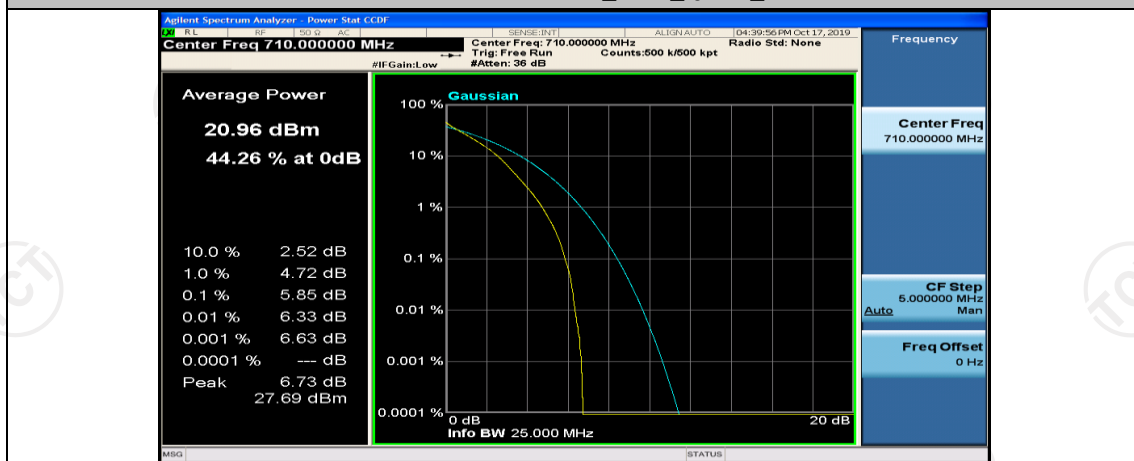
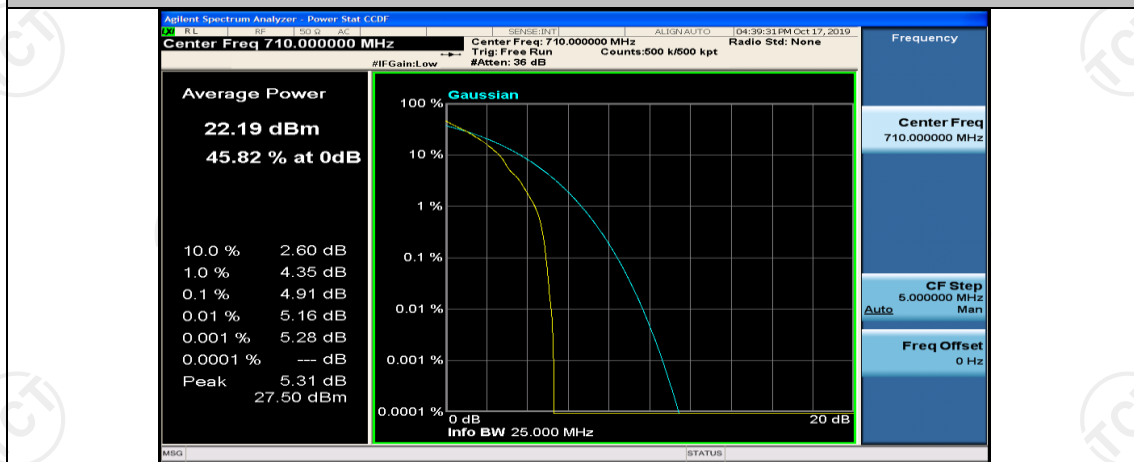
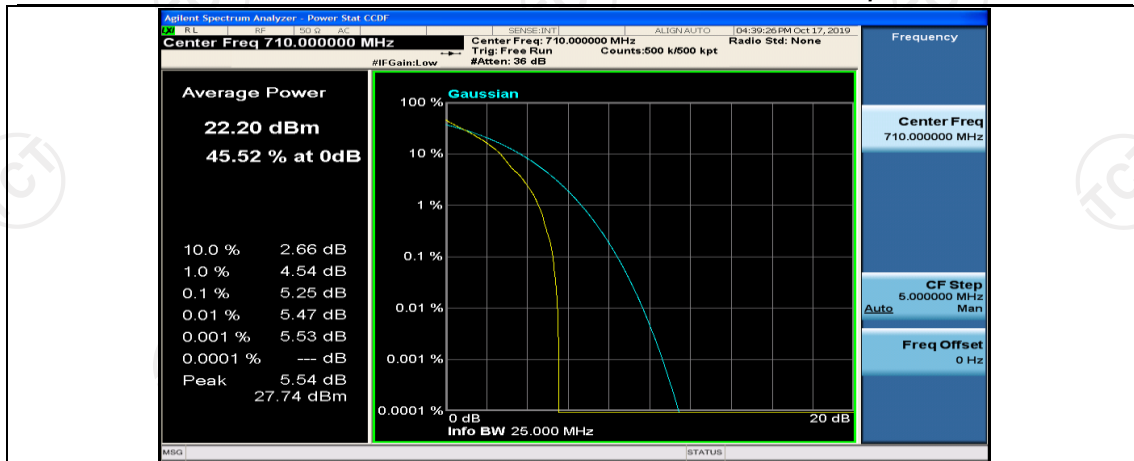
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

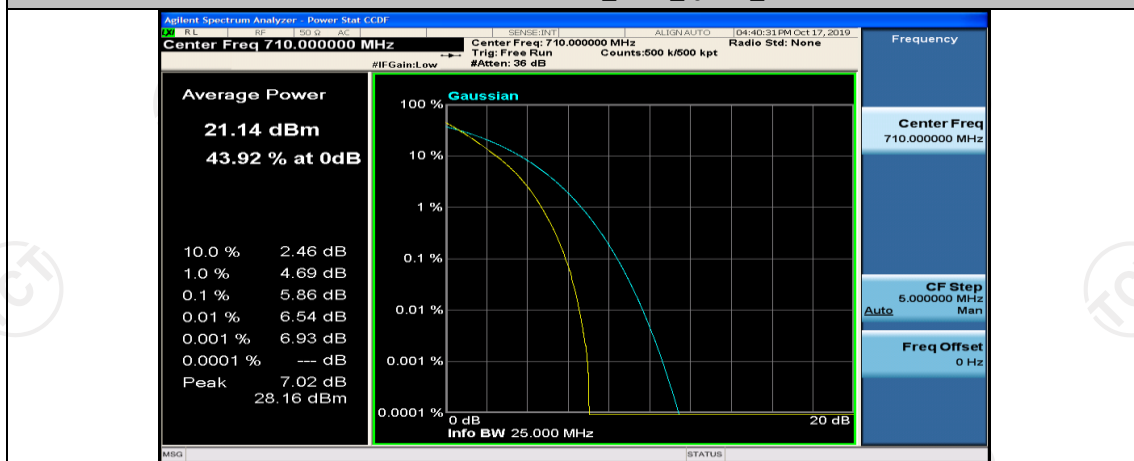
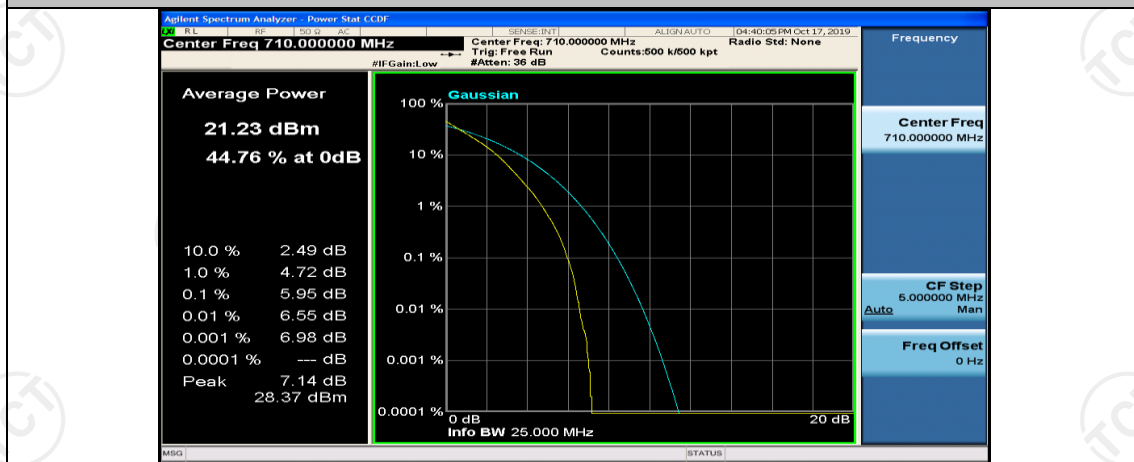
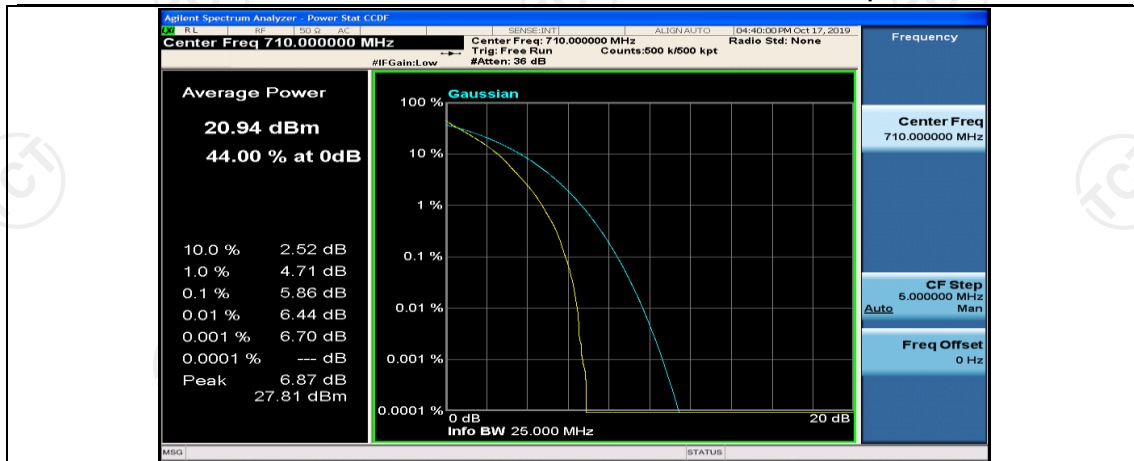


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

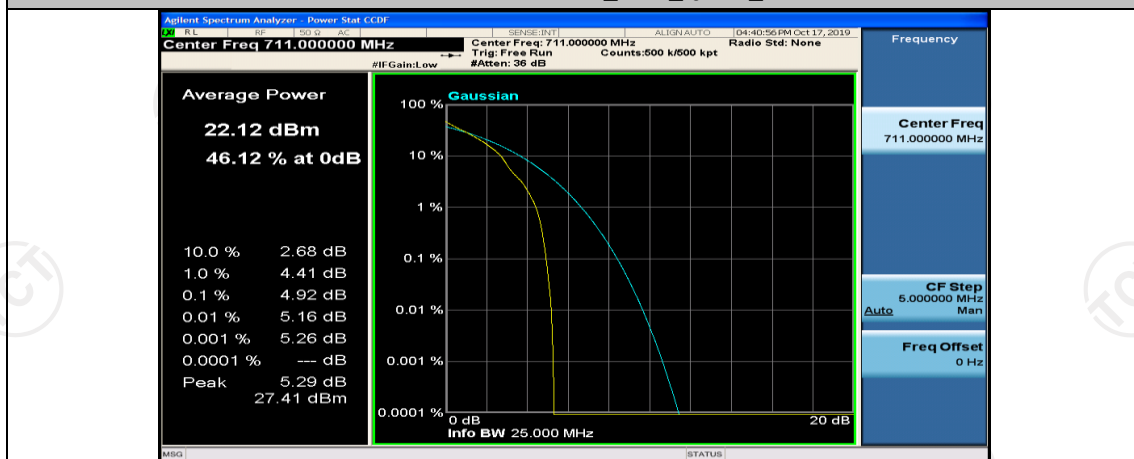
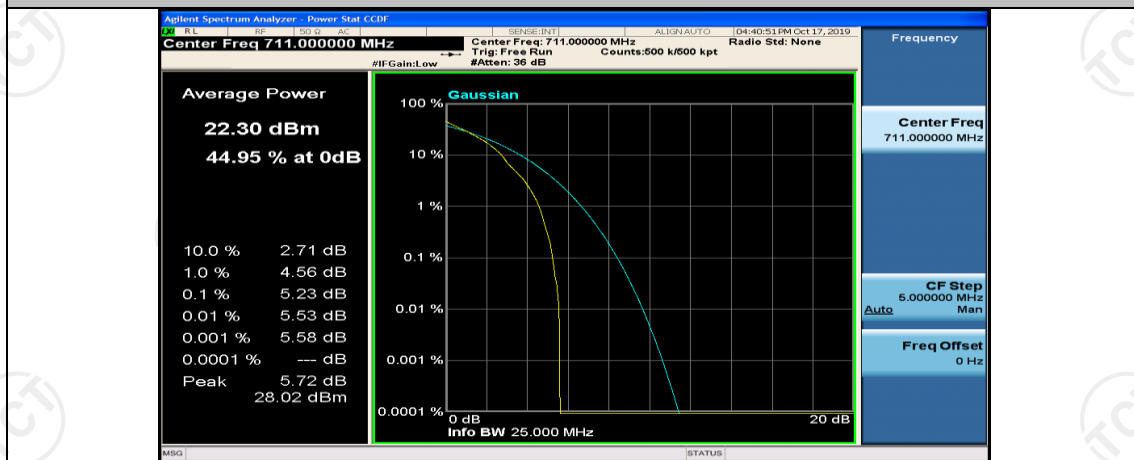
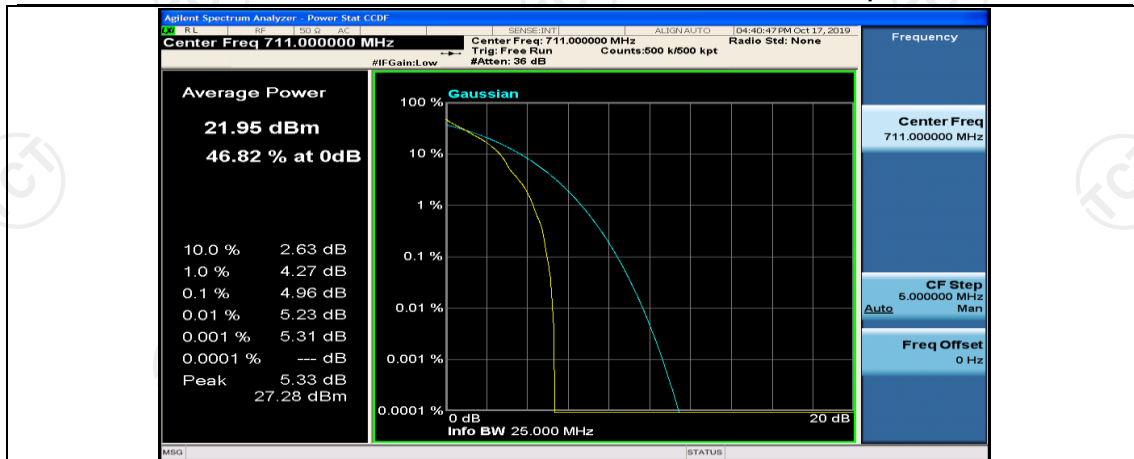


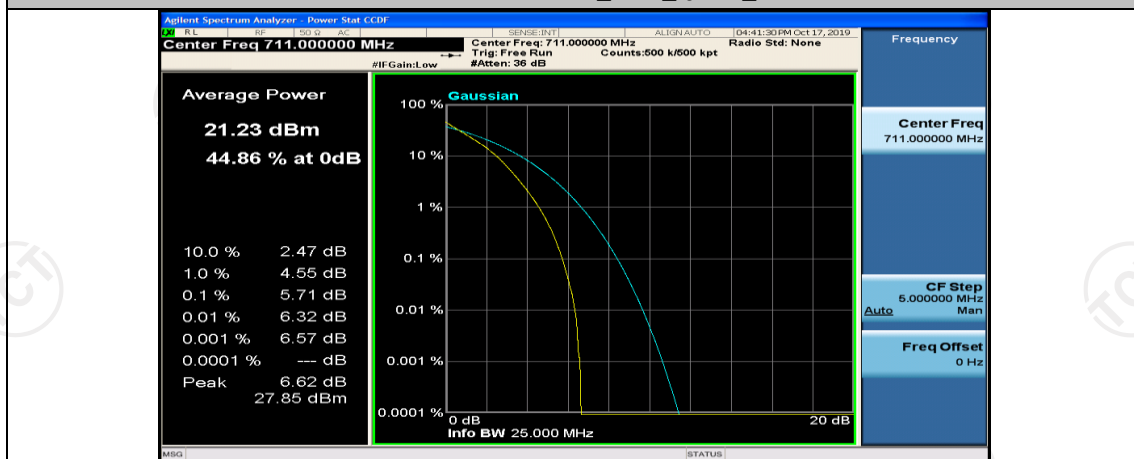
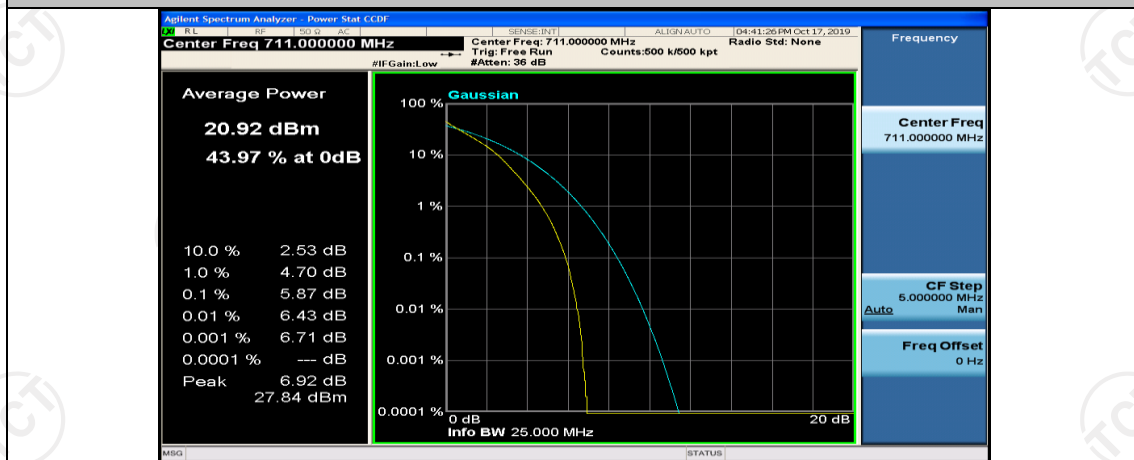
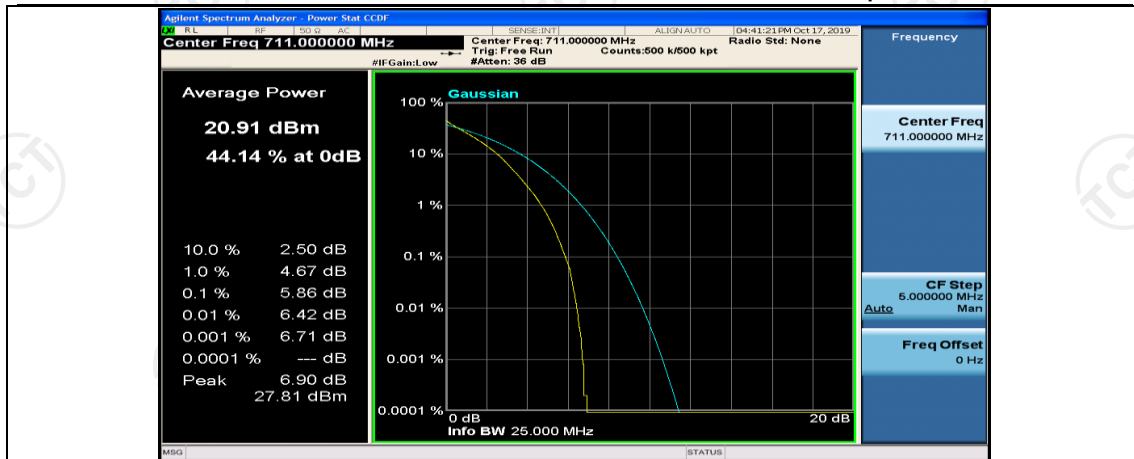
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

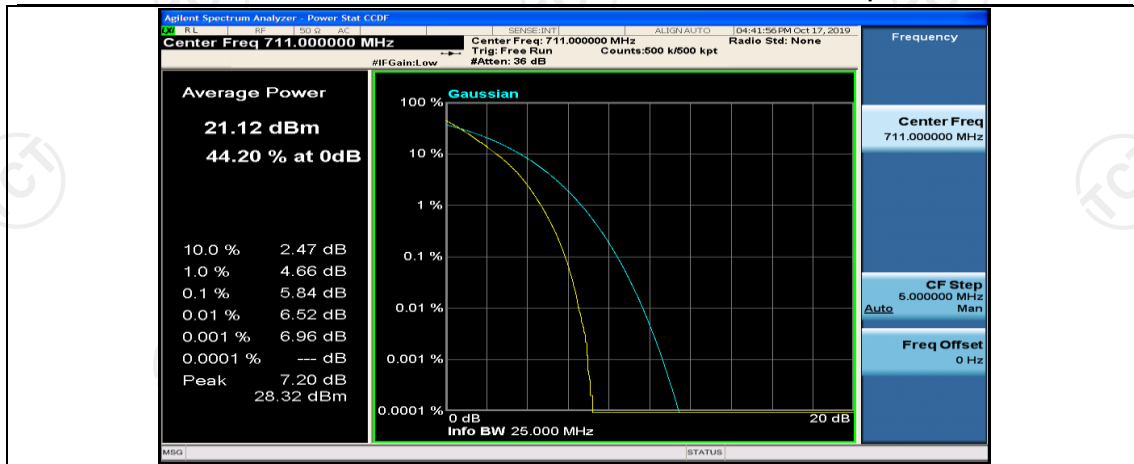




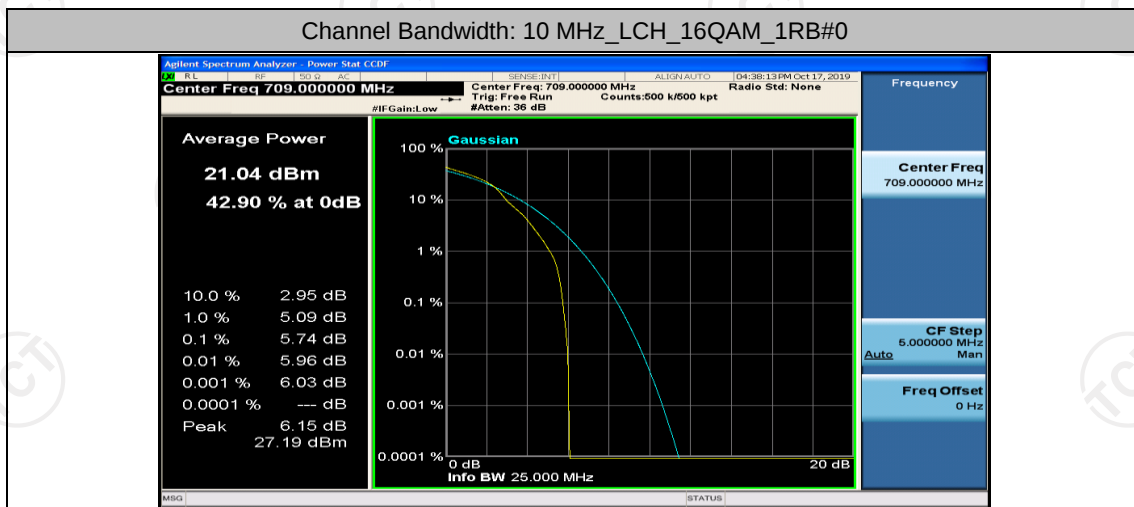
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



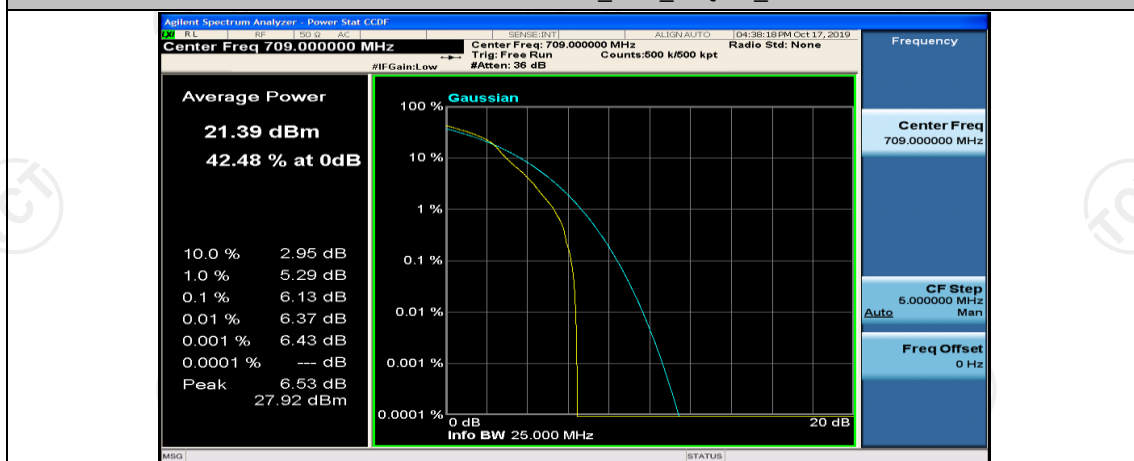




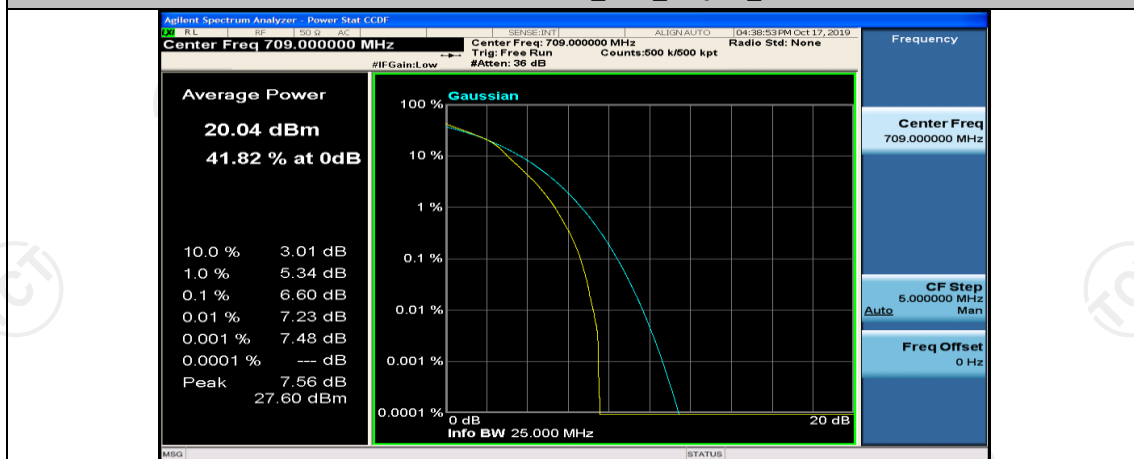
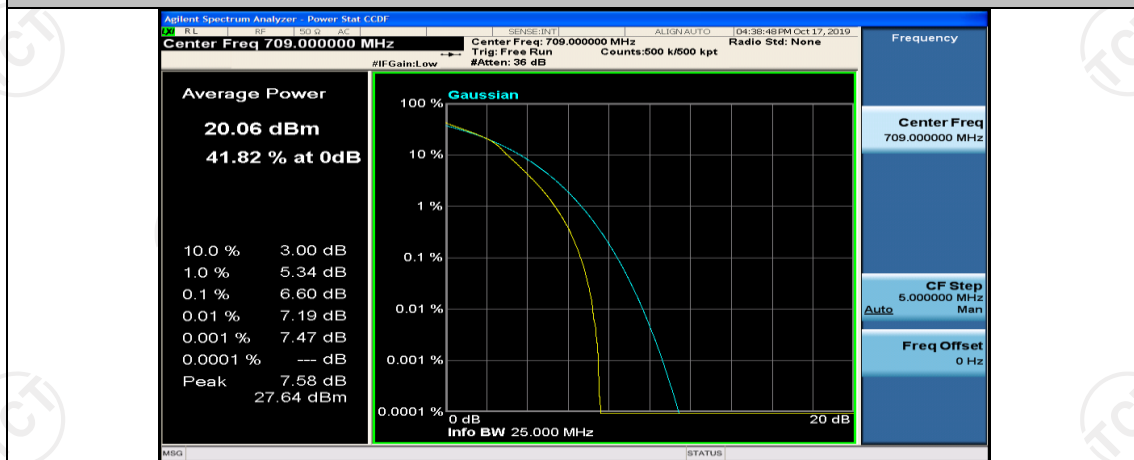
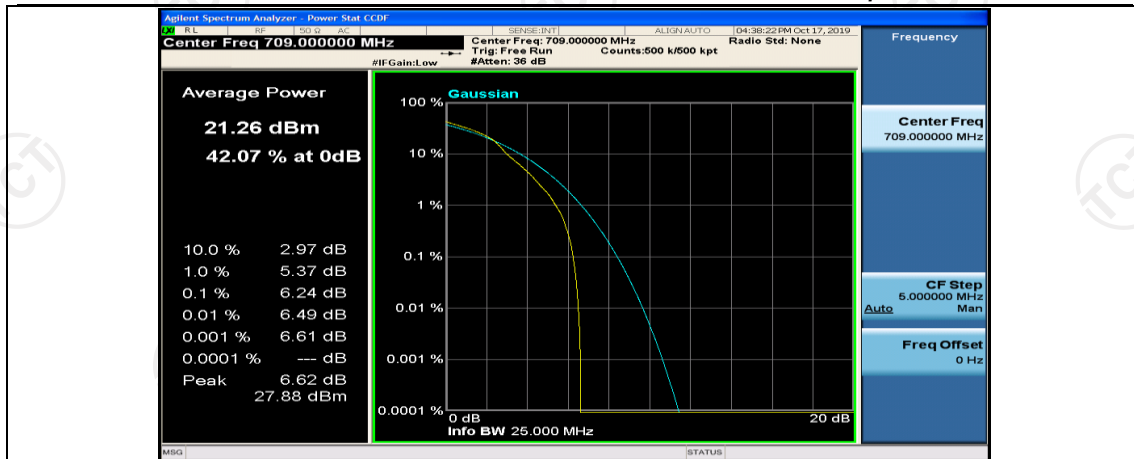
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

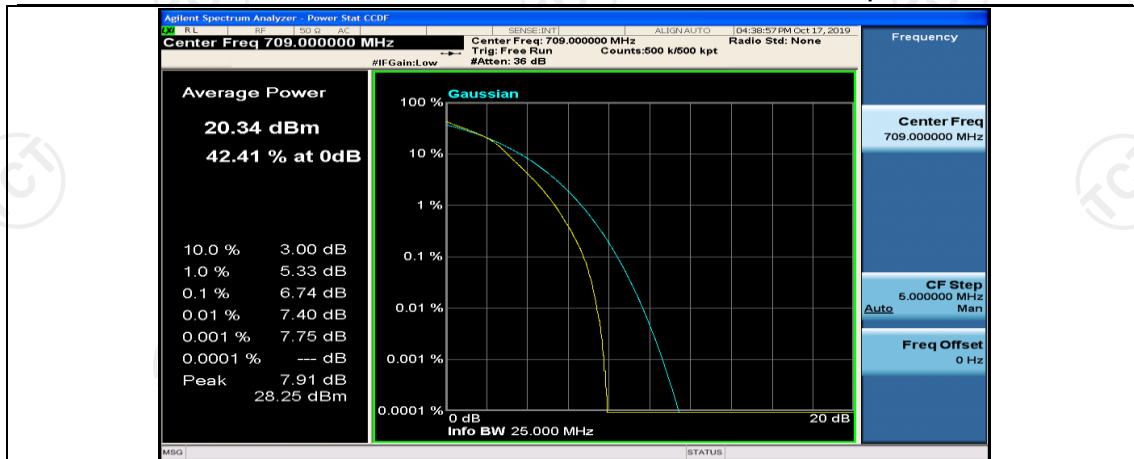


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

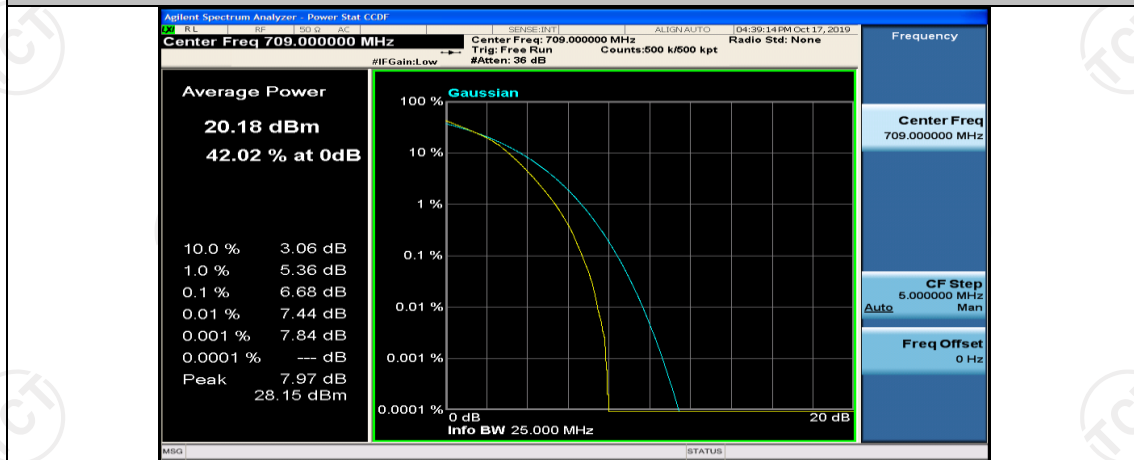


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

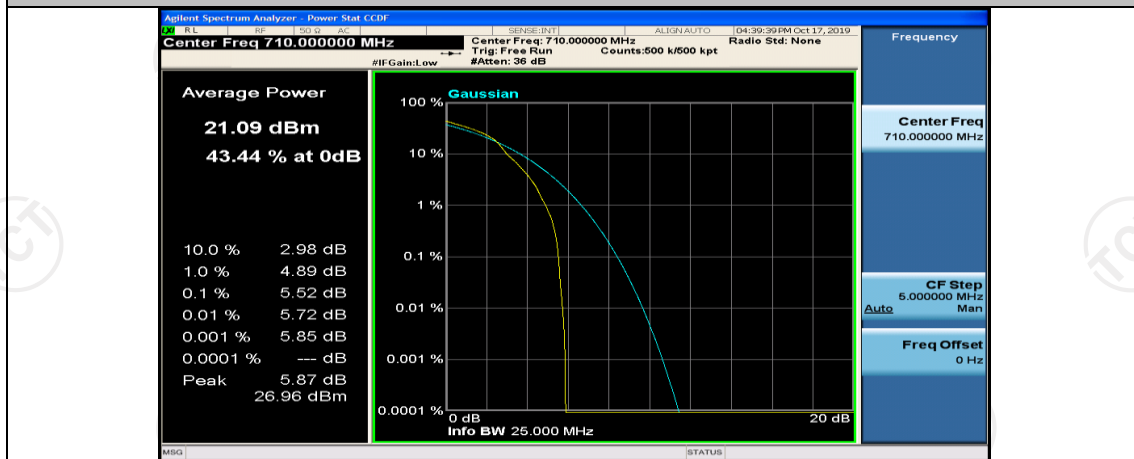




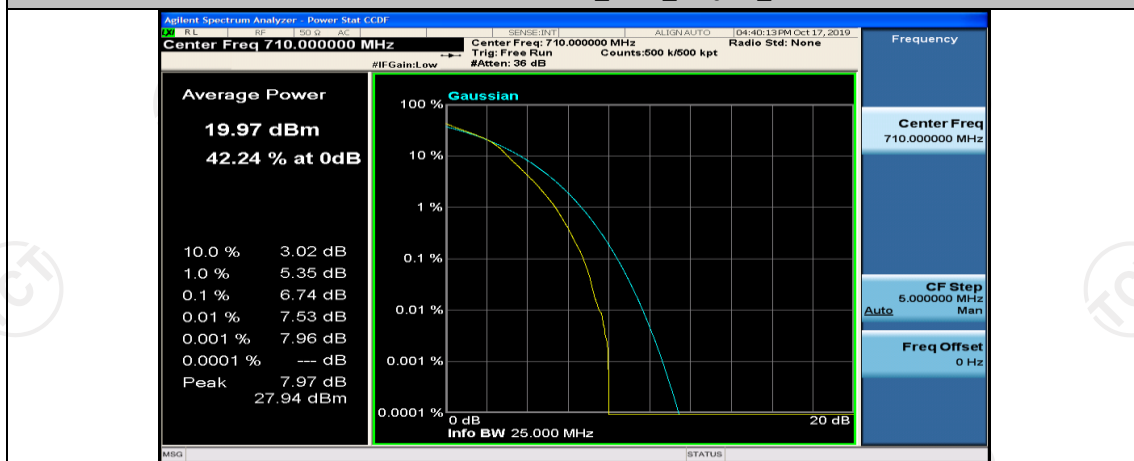
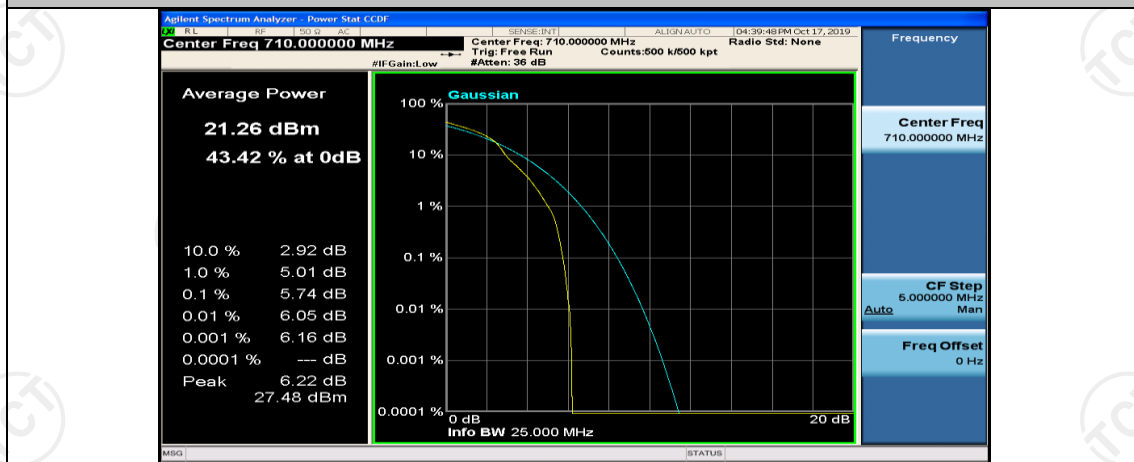
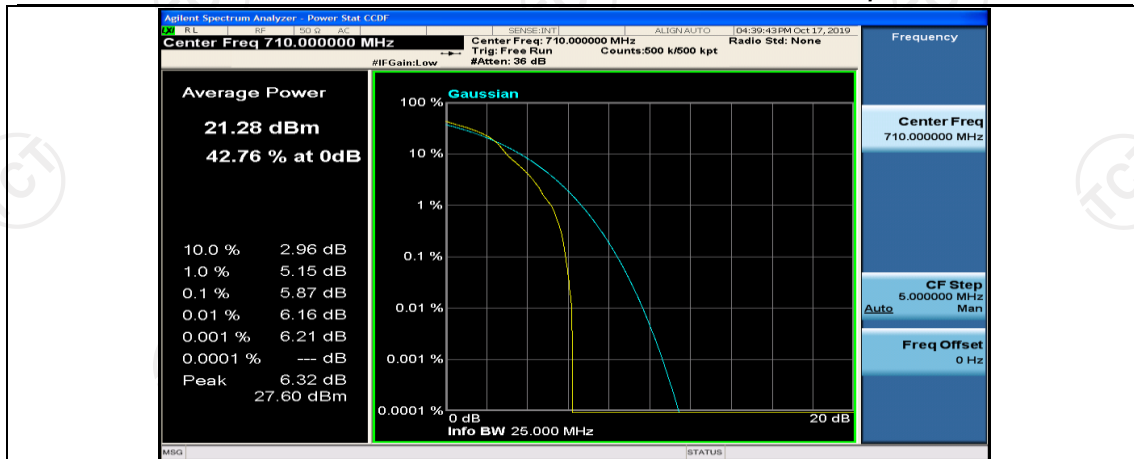
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

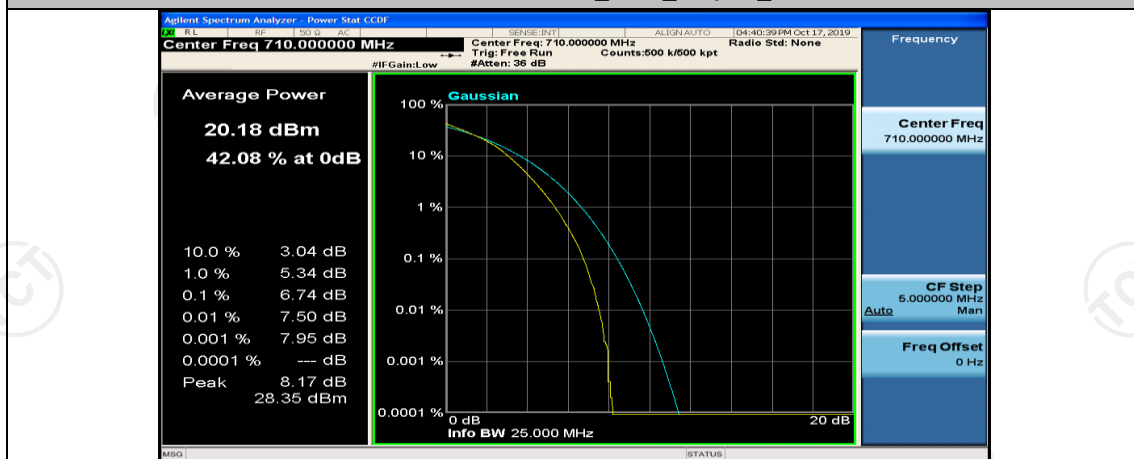
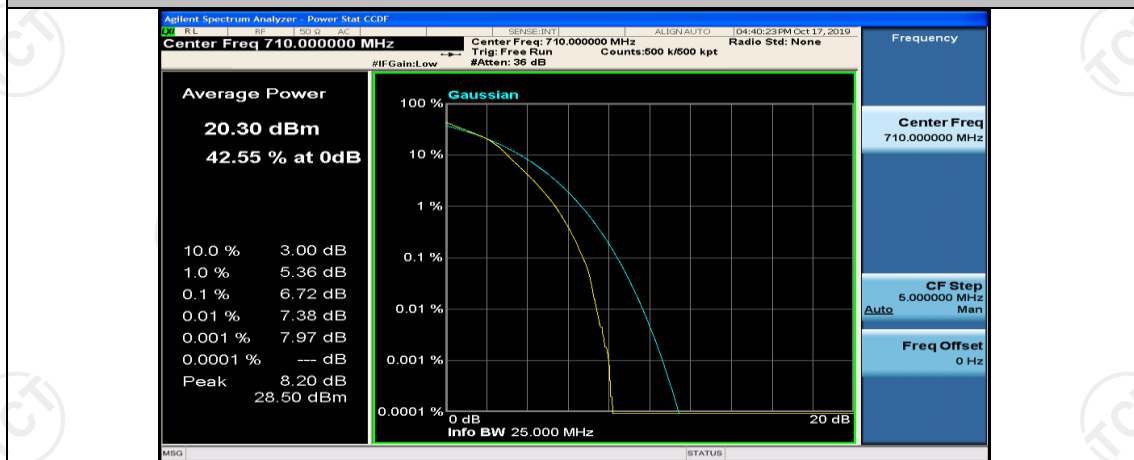
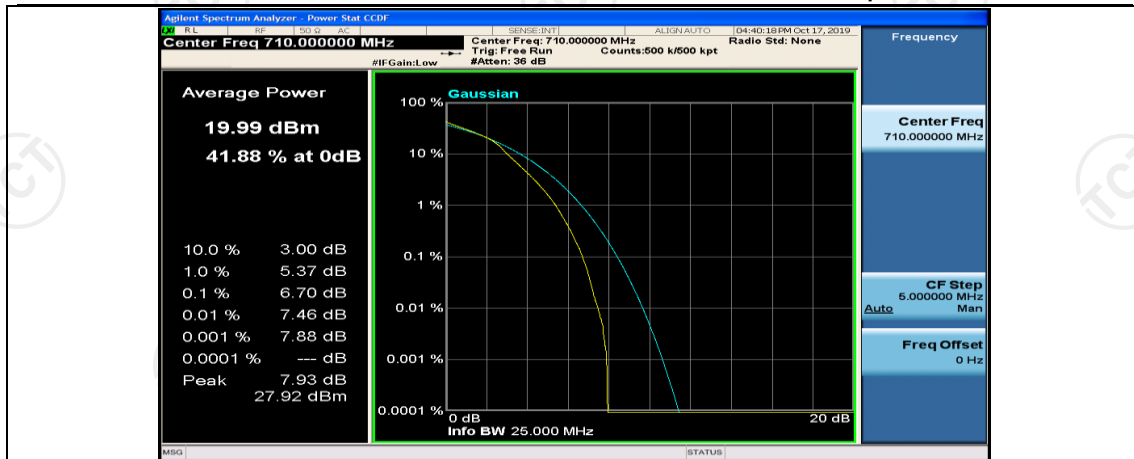


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

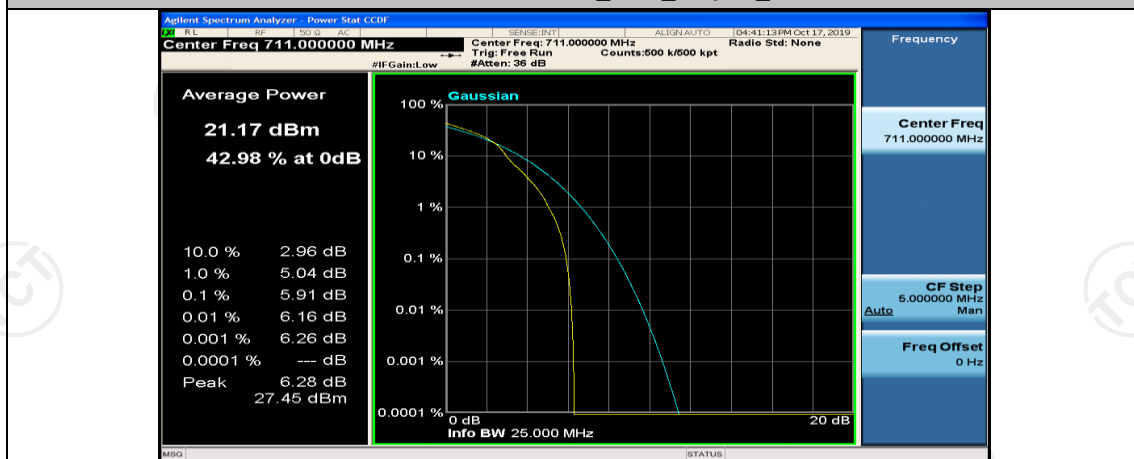
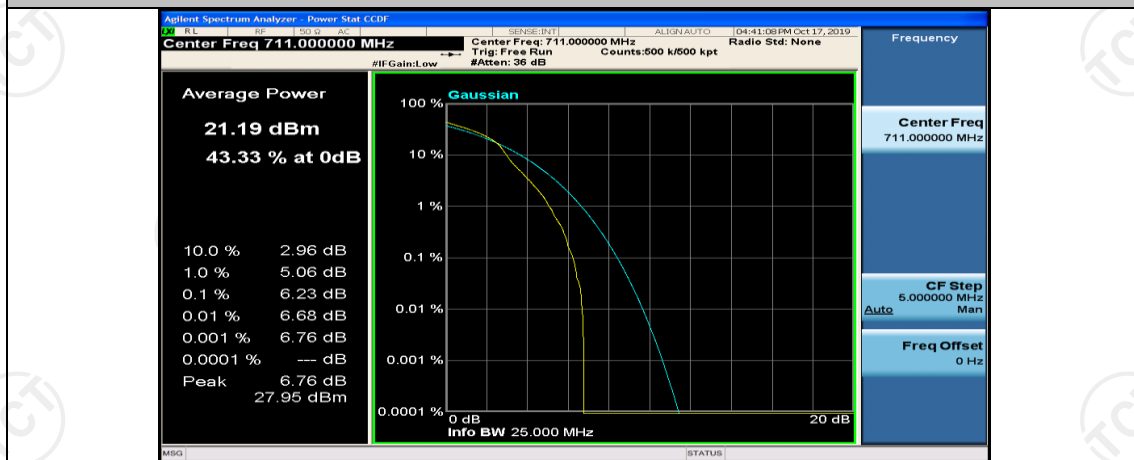
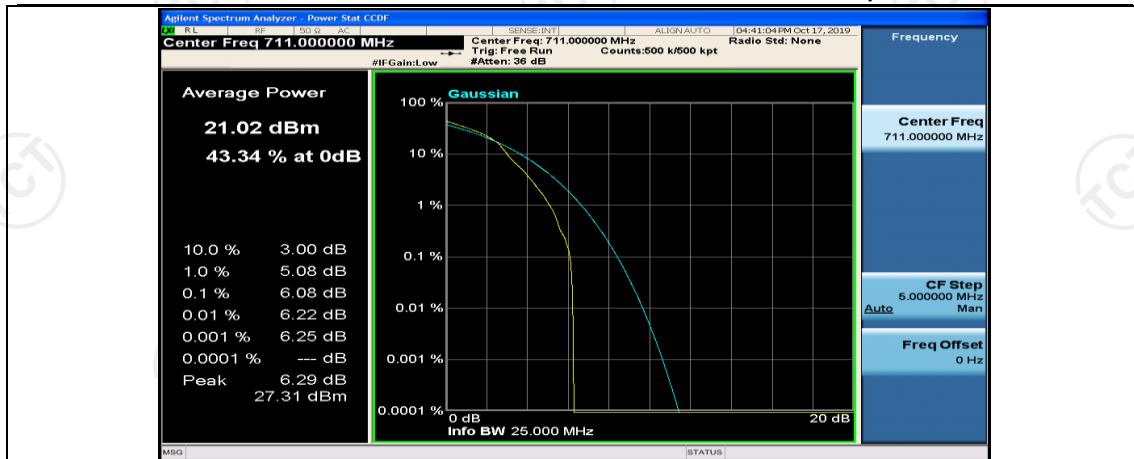


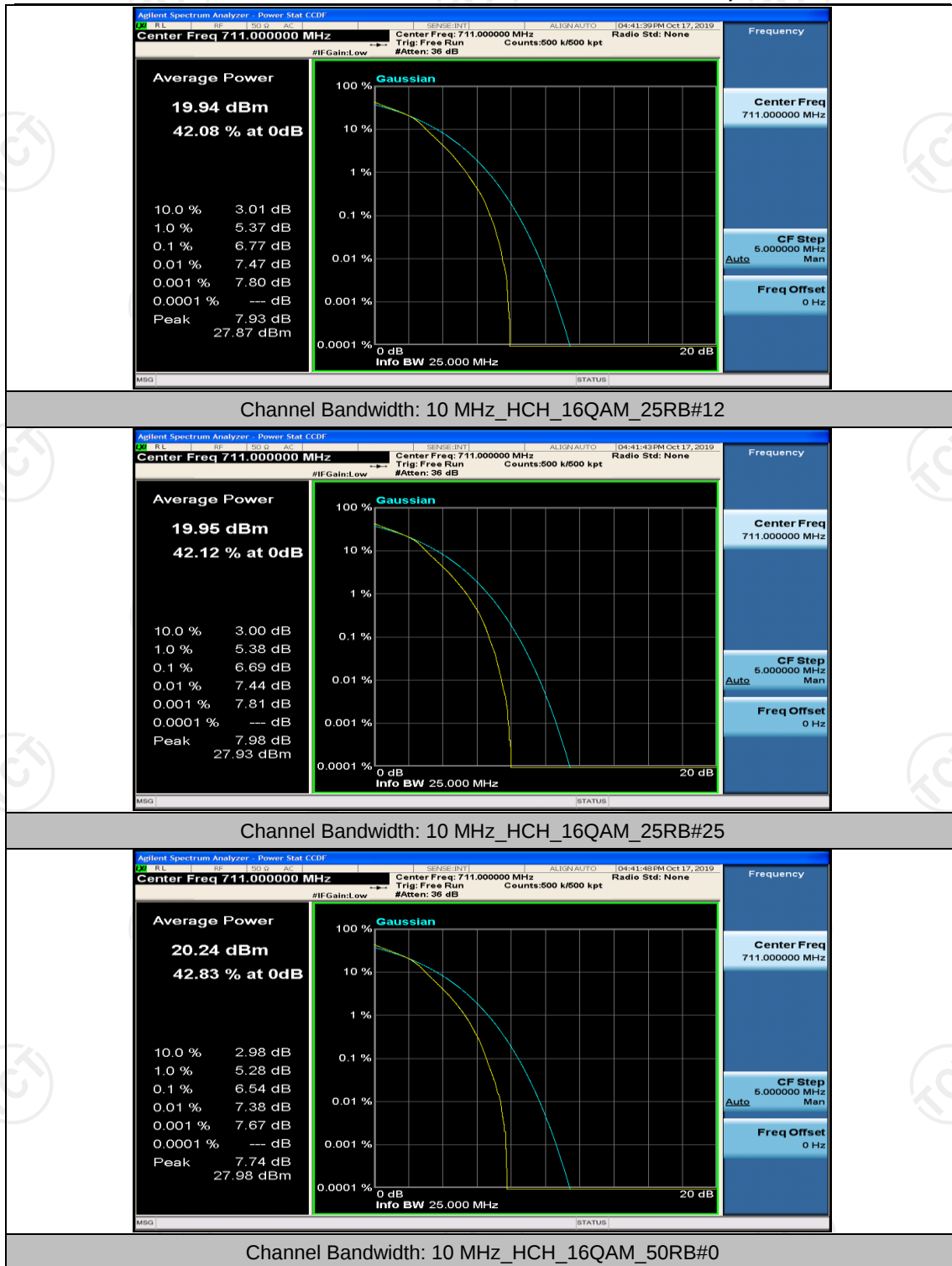
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

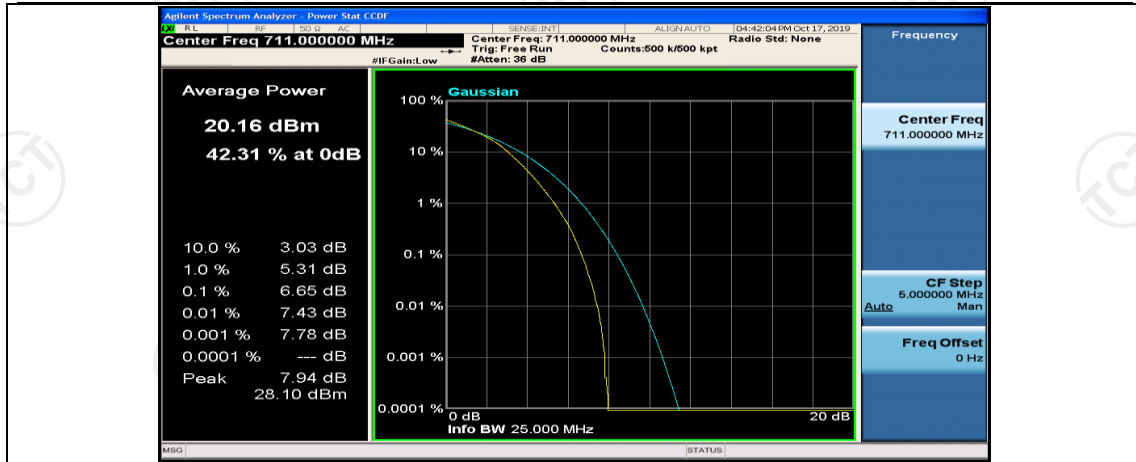




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0







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	0.33698	0.5747	PASS
		1	12	0.35828	0.6469	PASS
		1	24	0.33591	0.5919	PASS
		12	0	2.1789	2.508	PASS
		12	6	2.1798	2.539	PASS
		12	13	2.1810	2.556	PASS
		25	0	4.4828	4.833	PASS
	MCH	1	0	0.33775	0.5140	PASS
		1	12	0.36542	0.5648	PASS
		1	24	0.34012	0.5569	PASS
		12	0	2.1771	2.573	PASS
		12	6	2.1719	2.555	PASS
		12	13	2.1737	2.576	PASS
		25	0	4.4743	4.832	PASS
	HCH	1	0	0.34312	0.5564	PASS
		1	12	0.35609	0.5837	PASS
		1	24	0.35351	0.5721	PASS
		12	0	2.1845	2.626	PASS
		12	6	2.1789	2.545	PASS
		12	13	2.1804	2.593	PASS
		25	0	4.4800	4.834	PASS
16QAM	LCH	1	0	0.34373	0.5546	PASS
		1	12	0.35399	0.5715	PASS
		1	24	0.33961	0.5789	PASS

		12	0	2.1709	2.565	PASS
		12	6	2.1720	2.522	PASS
		12	13	2.1738	2.547	PASS
		25	0	4.4818	4.933	PASS
	MCH	1	0	0.37289	0.6008	PASS
		1	12	0.39781	0.6449	PASS
		1	24	0.37022	0.5847	PASS
		12	0	2.1818	2.572	PASS
		12	6	2.1838	2.555	PASS
		12	13	2.1751	2.593	PASS
		25	0	4.4869	4.829	PASS
	HCH	1	0	0.35882	0.5959	PASS
		1	12	0.37340	0.6113	PASS
		1	24	0.36085	0.5560	PASS
		12	0	2.1842	2.587	PASS
		12	6	2.1784	2.637	PASS
		12	13	2.1818	2.636	PASS
		25	0	4.4732	4.889	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	0.43058	0.6723	PASS
		1	25	0.43225	0.6939	PASS
		1	49	0.42480	0.6540	PASS
		25	0	4.5231	5.055	PASS
		25	12	4.5241	4.966	PASS
		25	25	4.5127	5.011	PASS
		50	0	8.9752	9.567	PASS
	MCH	1	0	0.44140	0.6827	PASS
		1	25	0.45288	0.7113	PASS
		1	49	0.42199	0.6789	PASS
		25	0	4.5199	5.038	PASS
		25	12	4.5112	5.002	PASS
		25	25	4.5198	5.017	PASS
		50	0	8.9583	9.441	PASS
	HCH	1	0	0.42579	0.6654	PASS
		1	25	0.45855	0.7565	PASS
		1	49	0.45097	0.6785	PASS

16QAM		25	0	4.5180	5.066	PASS
		25	12	4.5166	5.062	PASS
		25	25	4.5032	5.102	PASS
		50	0	8.9410	9.425	PASS
	LCH	1	0	0.43376	0.6673	PASS
		1	25	0.46818	0.7139	PASS
		1	49	0.45380	0.6615	PASS
		25	0	4.5139	5.088	PASS
		25	12	4.5242	5.060	PASS
		25	25	4.5183	4.931	PASS
		50	0	8.9441	9.449	PASS
	MCH	1	0	0.44206	0.7340	PASS
		1	25	0.45036	0.7213	PASS
		1	49	0.45433	0.7025	PASS
		25	0	4.5126	5.146	PASS
		25	12	4.5178	5.138	PASS
		25	25	4.5082	5.032	PASS
		50	0	8.9424	9.376	PASS
	HCH	1	0	0.44294	0.7138	PASS
		1	25	0.48764	0.7492	PASS
		1	49	0.45376	0.6765	PASS
		25	0	4.5101	5.118	PASS
		25	12	4.5152	5.085	PASS
		25	25	4.5113	5.022	PASS
		50	0	8.9393	9.483	PASS

Test Graphs

Channel Bandwidth: 5 MHz

