

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	23.38	24.03	PASS
		1	12	23.58	24.23	PASS
		1	24	23.47	24.12	PASS
		12	0	22.40	23.05	PASS
		12	6	22.53	23.18	PASS
		12	13	22.53	23.18	PASS
		25	0	22.49	23.14	PASS
	MCH	1	0	23.46	24.11	PASS
		1	12	23.64	24.29	PASS
		1	24	23.58	24.23	PASS
		12	0	22.67	23.32	PASS
		12	6	22.61	23.26	PASS
		12	13	22.48	23.13	PASS
		25	0	22.58	23.23	PASS
	HCH	1	0	23.60	24.25	PASS
		1	12	23.65	24.30	PASS
		1	24	23.38	24.03	PASS
		12	0	22.74	23.39	PASS
		12	6	22.63	23.28	PASS
		12	13	22.64	23.29	PASS
		25	0	22.69	23.34	PASS
16QAM	LCH	1	0	22.67	23.32	PASS
		1	12	22.84	23.49	PASS
		1	24	22.74	23.39	PASS
		12	0	21.46	22.11	PASS
		12	6	21.58	22.23	PASS
		12	13	21.58	22.23	PASS
		25	0	21.50	22.15	PASS
	MCH	1	0	22.70	23.35	PASS
		1	12	22.87	23.52	PASS
		1	24	22.83	23.48	PASS
		12	0	21.77	22.42	PASS
		12	6	21.72	22.37	PASS

		12	13	21.59	22.24	PASS
		25	0	21.61	22.26	PASS
	HCH	1	0	22.77	23.42	PASS
		1	12	22.84	23.49	PASS
		1	24	22.56	23.21	PASS
		12	0	21.72	22.37	PASS
		12	6	21.62	22.27	PASS
		12	13	21.63	22.28	PASS
		25	0	21.72	22.37	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	23.41	24.06	PASS
		1	24	23.51	24.16	PASS
		1	49	23.56	24.21	PASS
		25	0	22.42	23.07	PASS
		25	12	22.54	23.19	PASS
		25	25	22.38	23.03	PASS
		50	0	22.42	23.07	PASS
	MCH	1	0	23.47	24.12	PASS
		1	24	23.58	24.23	PASS
		1	49	23.54	24.19	PASS
		25	0	22.58	23.23	PASS
		25	12	22.60	23.25	PASS
		25	25	22.45	23.10	PASS
		50	0	22.53	23.18	PASS
	HCH	1	0	23.56	24.21	PASS
		1	24	23.66	24.31	PASS
		1	49	23.50	24.15	PASS
		25	0	22.77	23.42	PASS
		25	12	22.67	23.32	PASS
		25	25	22.57	23.22	PASS
		50	0	22.68	23.33	PASS
16QAM	LCH	1	0	22.71	23.36	PASS
		1	24	22.80	23.45	PASS
		1	49	22.84	23.49	PASS
		25	0	21.42	22.07	PASS
		25	12	21.58	22.23	PASS
		25	25	21.40	22.05	PASS

		50	0	21.41	22.06	PASS
	MCH	1	0	22.90	23.55	PASS
		1	24	22.98	23.63	PASS
		1	49	22.96	23.61	PASS
		25	0	21.62	22.27	PASS
		25	12	21.65	22.30	PASS
		25	25	21.49	22.14	PASS
		50	0	21.57	22.22	PASS
		HCH	1	0	22.83	23.48
	1		24	22.90	23.55	PASS
	1		49	22.78	23.43	PASS
	25		0	21.76	22.41	PASS
	25		12	21.68	22.33	PASS
	25		25	21.58	22.23	PASS
	50		0	21.71	22.36	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	4.60	<13	PASS
		1	12	4.21	<13	PASS
		1	24	4.11	<13	PASS
		12	0	5.23	<13	PASS
		12	6	5.05	<13	PASS
		12	13	5.02	<13	PASS
		25	0	5.13	<13	PASS
	MCH	1	0	4.03	<13	PASS
		1	12	3.81	<13	PASS
		1	24	4.00	<13	PASS
		12	0	4.73	<13	PASS
		12	6	4.85	<13	PASS
		12	13	4.95	<13	PASS
		25	0	4.96	<13	PASS
	HCH	1	0	3.88	<13	PASS
		1	12	3.92	<13	PASS
		1	24	3.68	<13	PASS
		12	0	4.96	<13	PASS
		12	6	4.99	<13	PASS
		12	13	4.91	<13	PASS
		25	0	5.10	<13	PASS
16QAM	LCH	1	0	5.19	<13	PASS
		1	12	4.91	<13	PASS
		1	24	4.82	<13	PASS
		12	0	6.11	<13	PASS
		12	6	6.00	<13	PASS
		12	13	5.97	<13	PASS
		25	0	5.96	<13	PASS
	MCH	1	0	4.85	<13	PASS
		1	12	4.67	<13	PASS
		1	24	4.73	<13	PASS
		12	0	5.63	<13	PASS

		12	6	5.71	<13	PASS
		12	13	5.89	<13	PASS
		25	0	5.83	<13	PASS
	HCH	1	0	4.69	<13	PASS
		1	12	4.57	<13	PASS
		1	24	4.66	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.80	<13	PASS
		12	13	5.80	<13	PASS
		25	0	5.91	<13	PASS

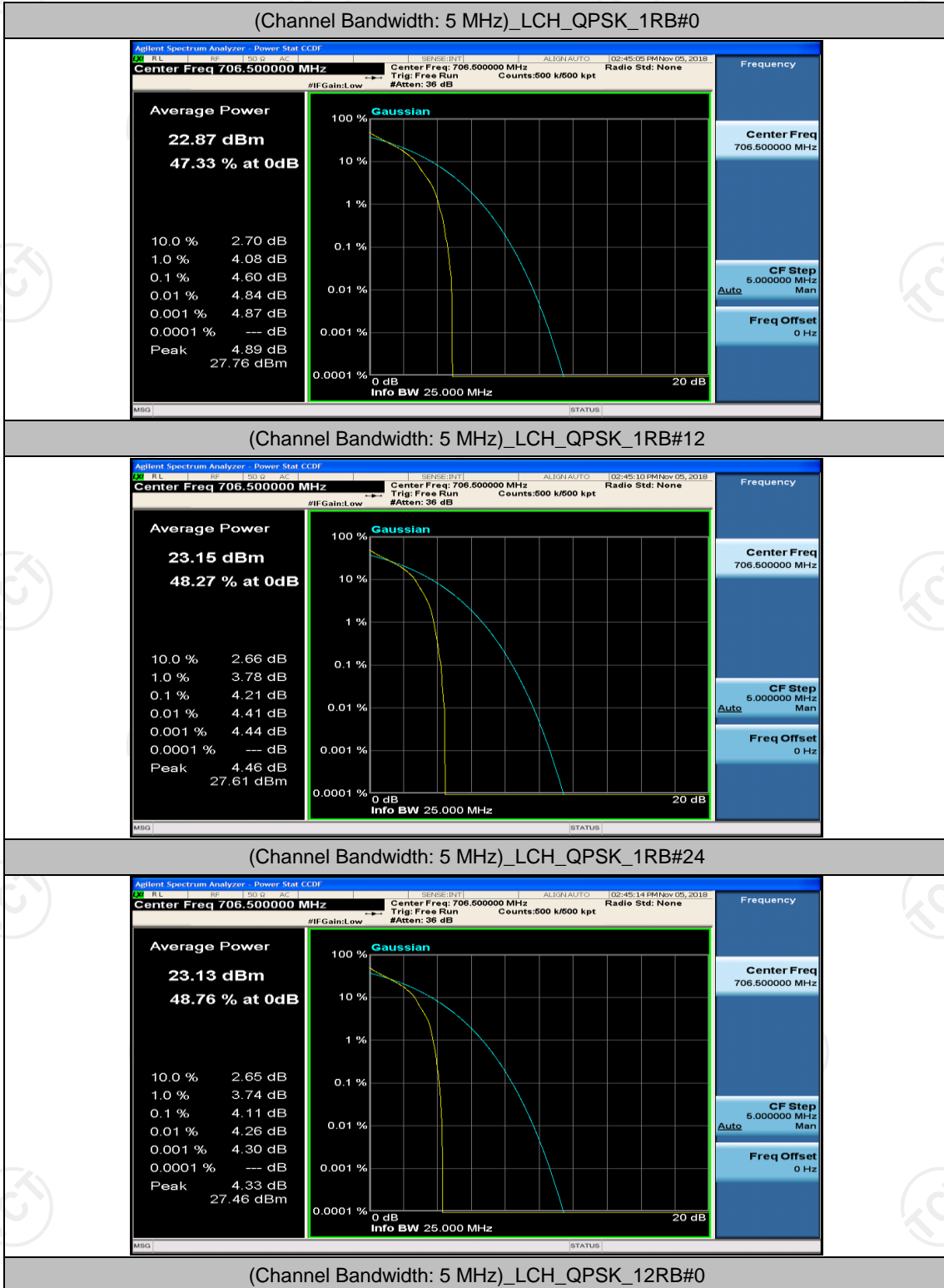
Channel Bandwidth: 10 MHz

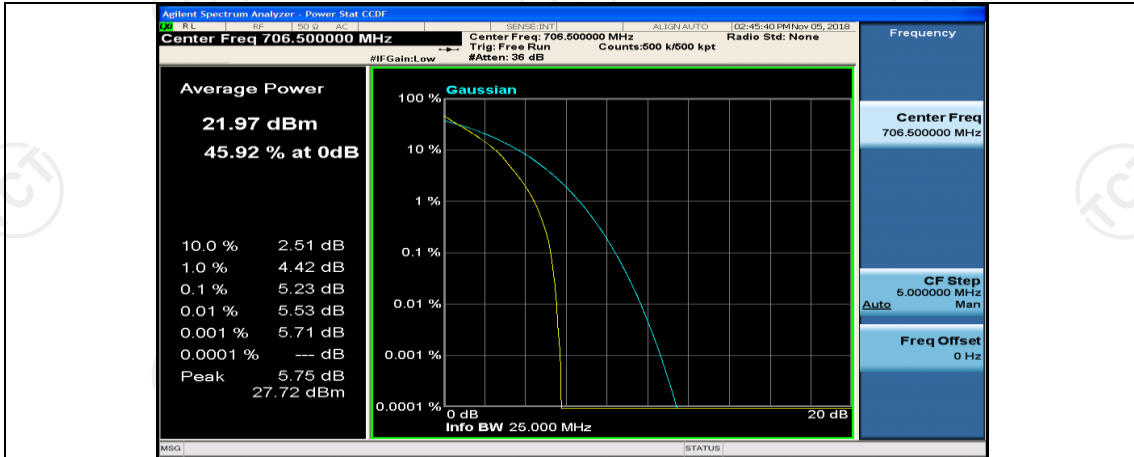
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.28	<13	PASS
		1	24	3.82	<13	PASS
		1	49	3.81	<13	PASS
		25	0	5.06	<13	PASS
		25	12	4.96	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.15	<13	PASS
	MCH	1	0	4.07	<13	PASS
		1	24	3.72	<13	PASS
		1	49	3.74	<13	PASS
		25	0	4.93	<13	PASS
		25	12	4.94	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.13	<13	PASS
	HCH	1	0	4.06	<13	PASS
		1	24	3.75	<13	PASS
		1	49	3.73	<13	PASS
		25	0	4.79	<13	PASS
		25	12	4.95	<13	PASS
		25	25	5.09	<13	PASS
		50	0	5.13	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		1	24	4.68	<13	PASS
		1	49	4.69	<13	PASS
		25	0	5.93	<13	PASS
		25	12	5.80	<13	PASS

		25	25	6.00	<13	PASS
		50	0	6.01	<13	PASS
	MCH	1	0	4.89	<13	PASS
		1	24	4.59	<13	PASS
		1	49	4.63	<13	PASS
		25	0	5.83	<13	PASS
		25	12	5.88	<13	PASS
		25	25	6.03	<13	PASS
		50	0	5.98	<13	PASS
		HCH	1	0	4.94	<13
	1		24	4.71	<13	PASS
	1		49	4.61	<13	PASS
	25		0	5.76	<13	PASS
	25		12	5.87	<13	PASS
	25		25	6.00	<13	PASS
	50		0	5.98	<13	PASS

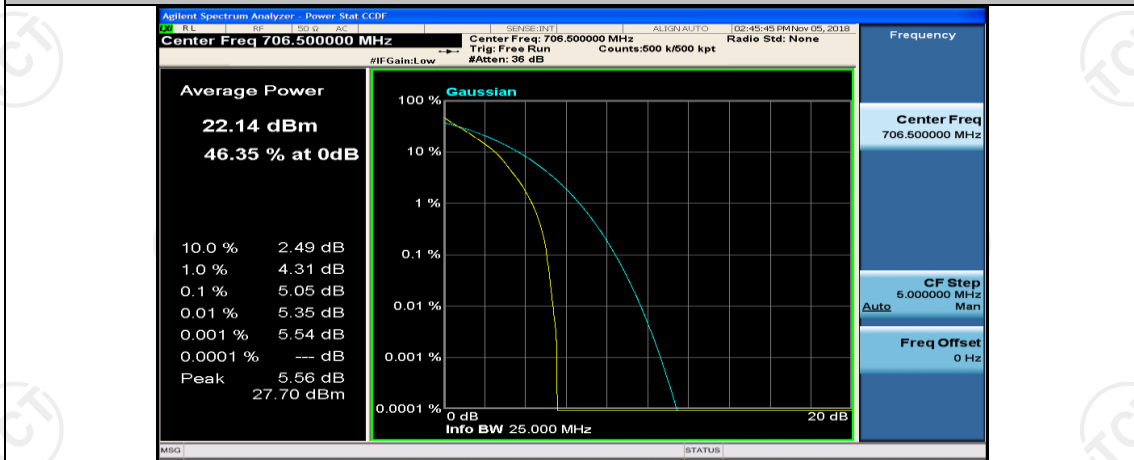
Test Graphs

Channel Bandwidth: 5 MHz

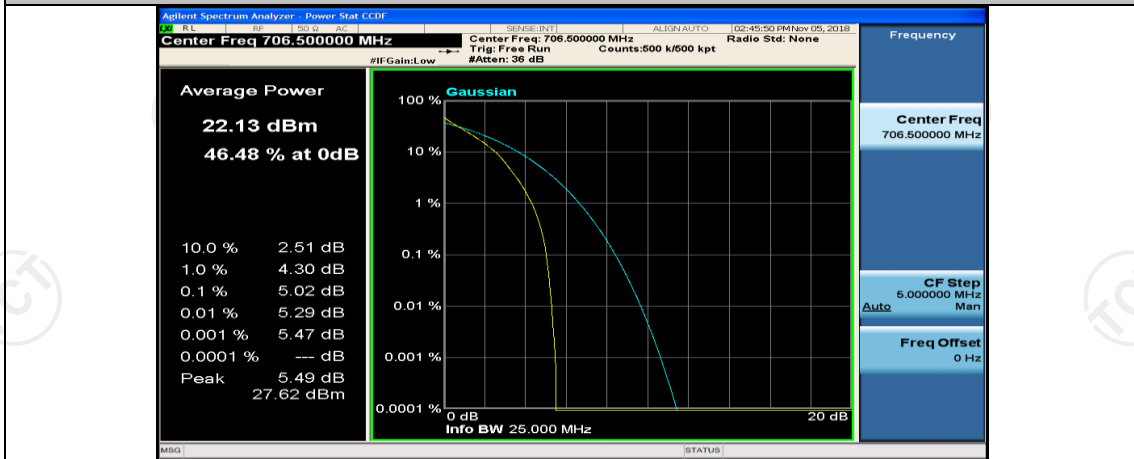




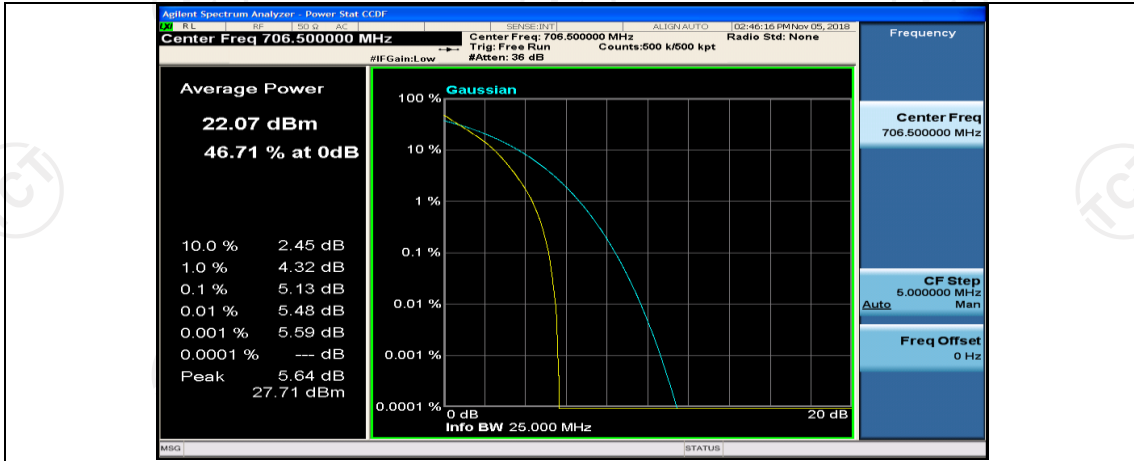
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



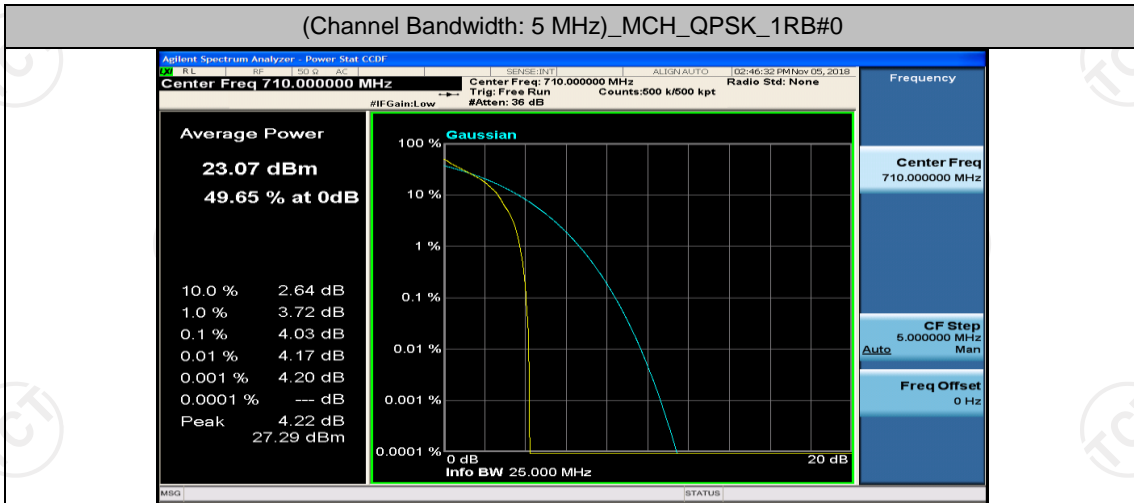
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



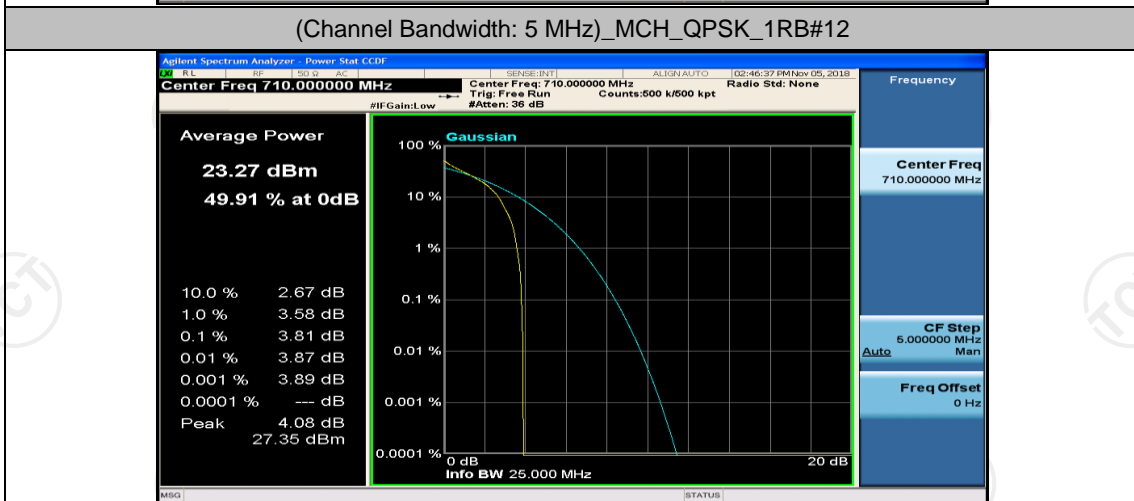
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



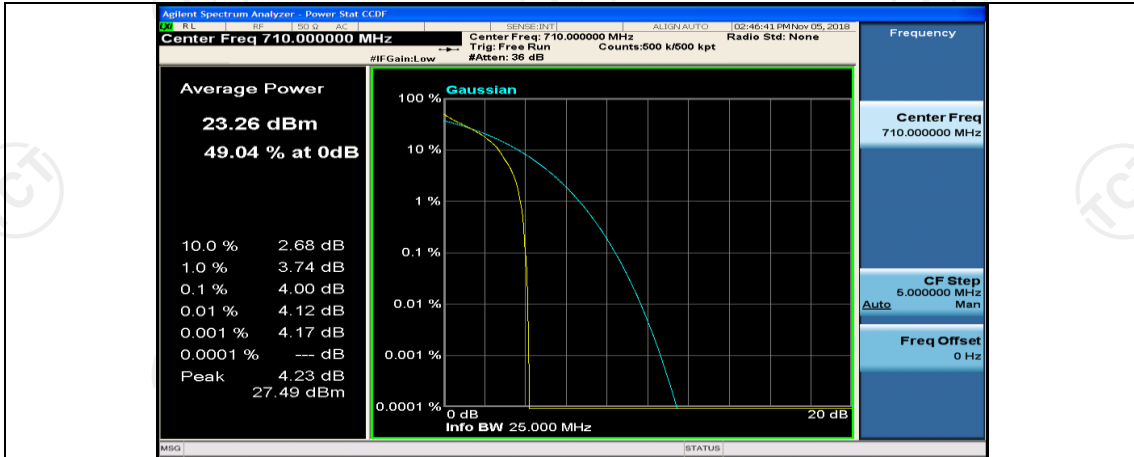
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



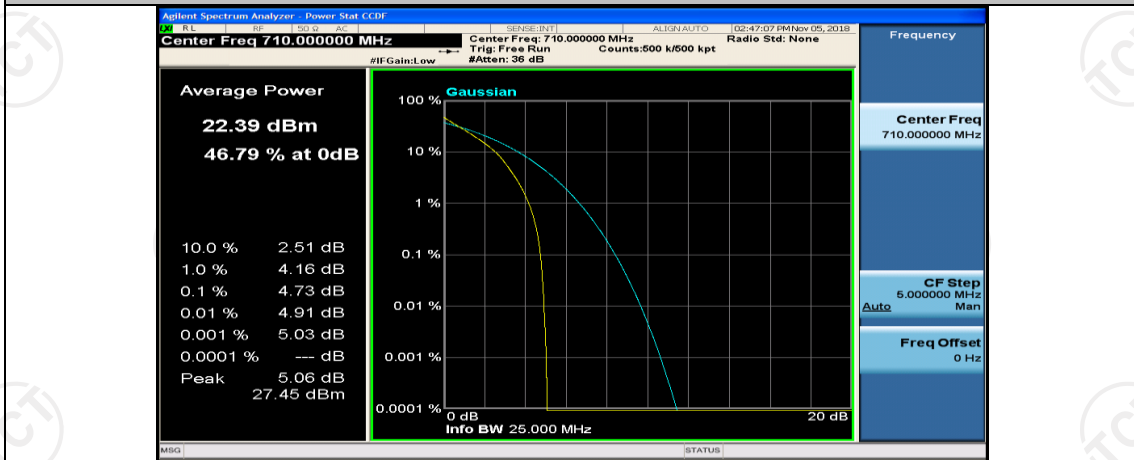
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



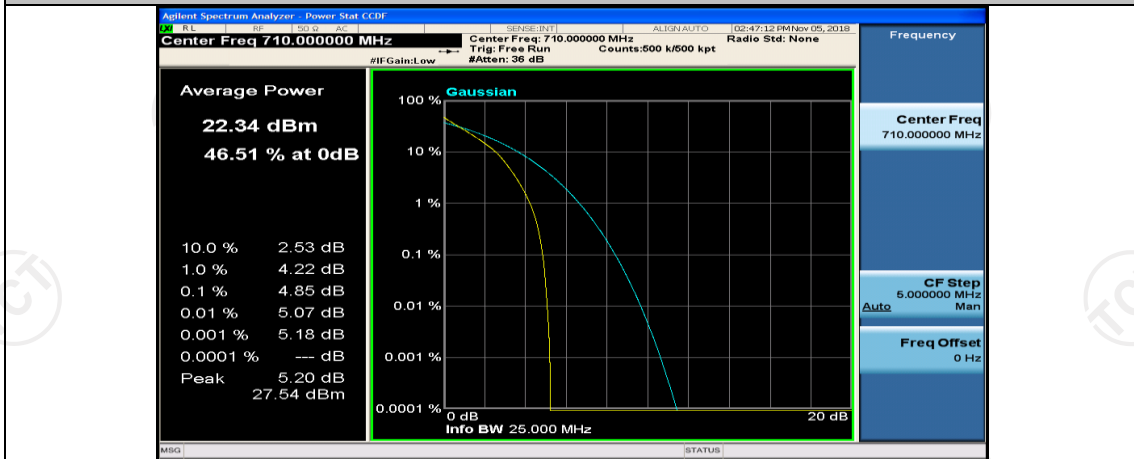
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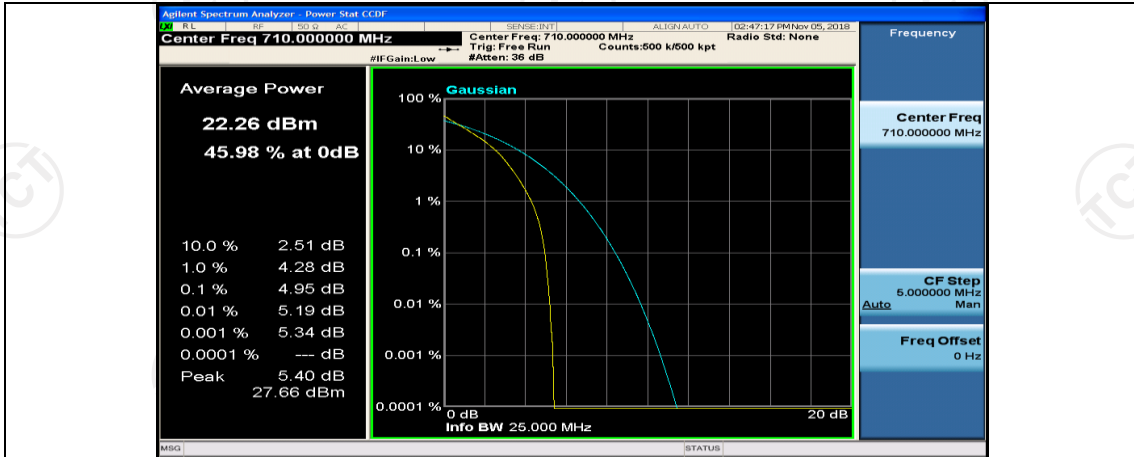
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



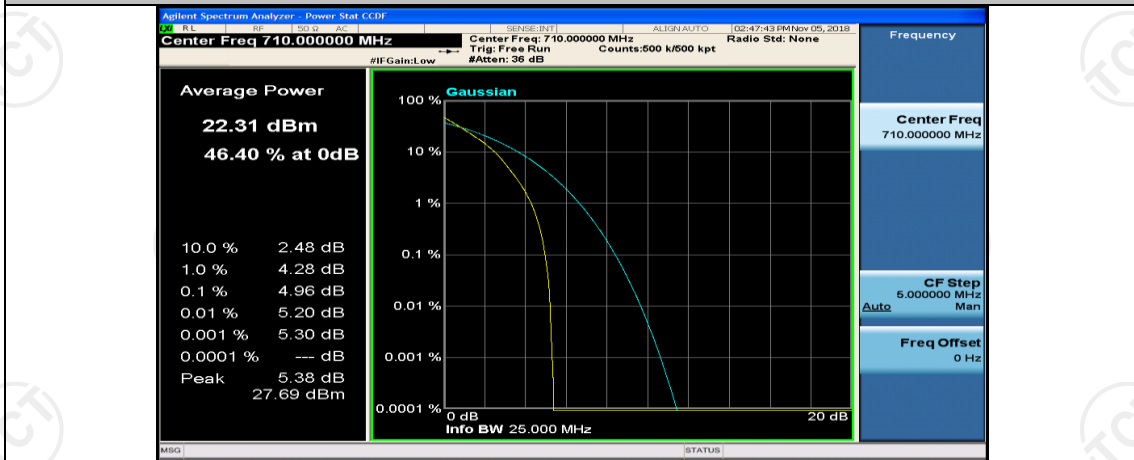
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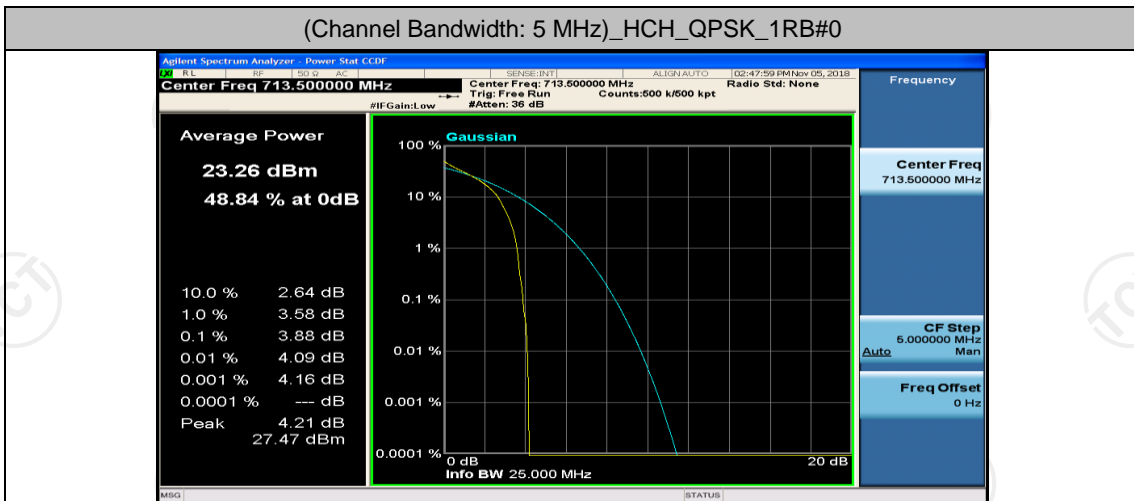
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



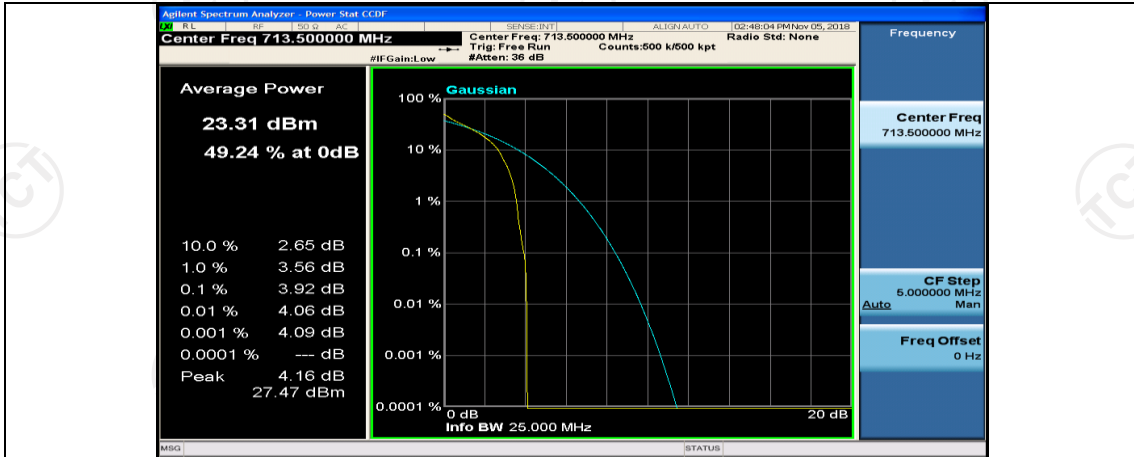
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



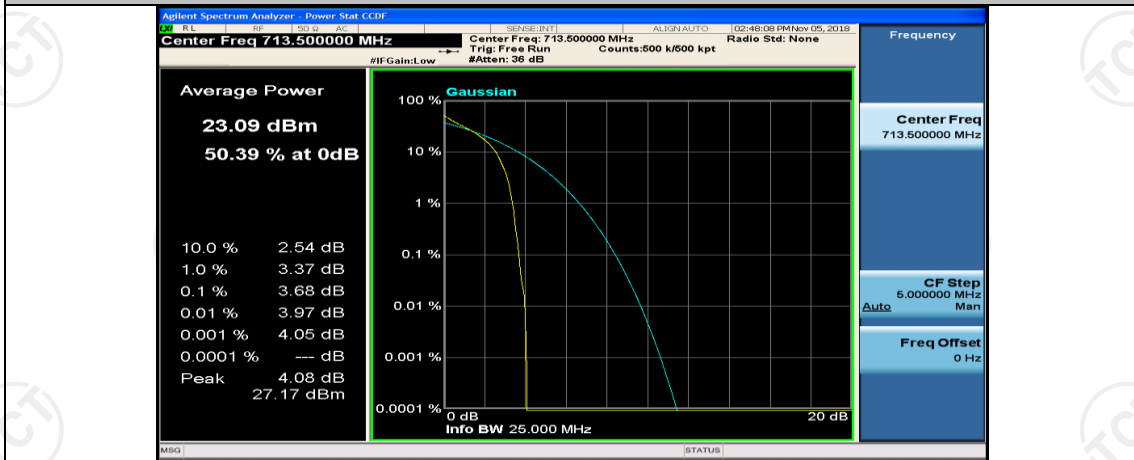
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



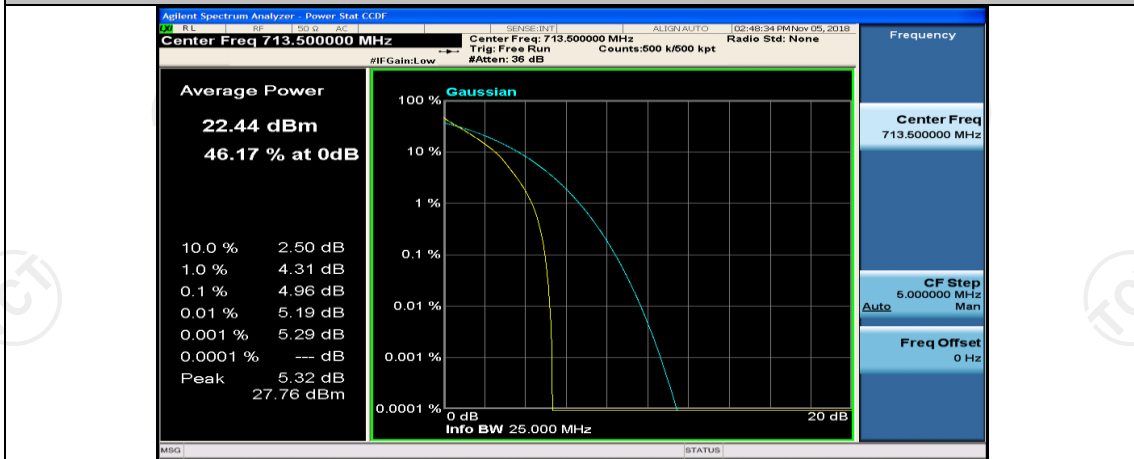
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



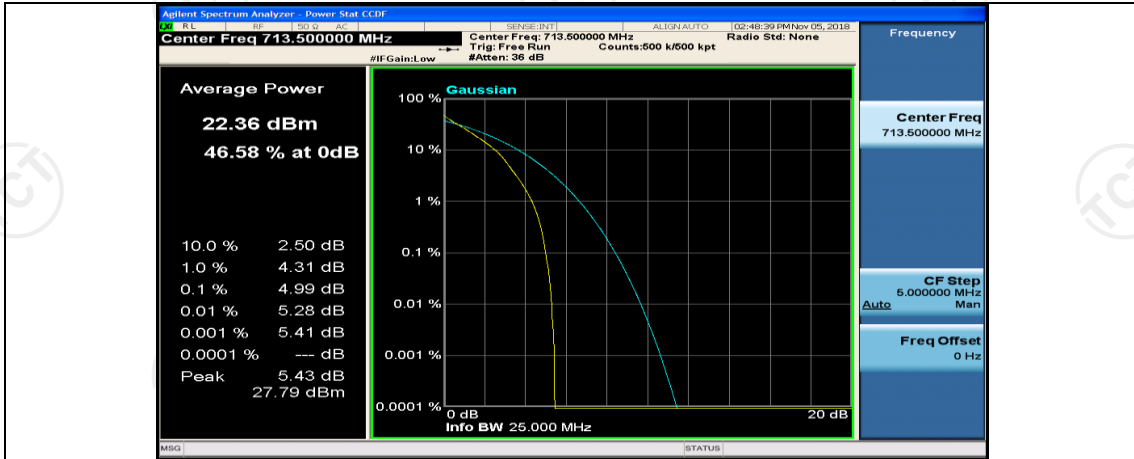
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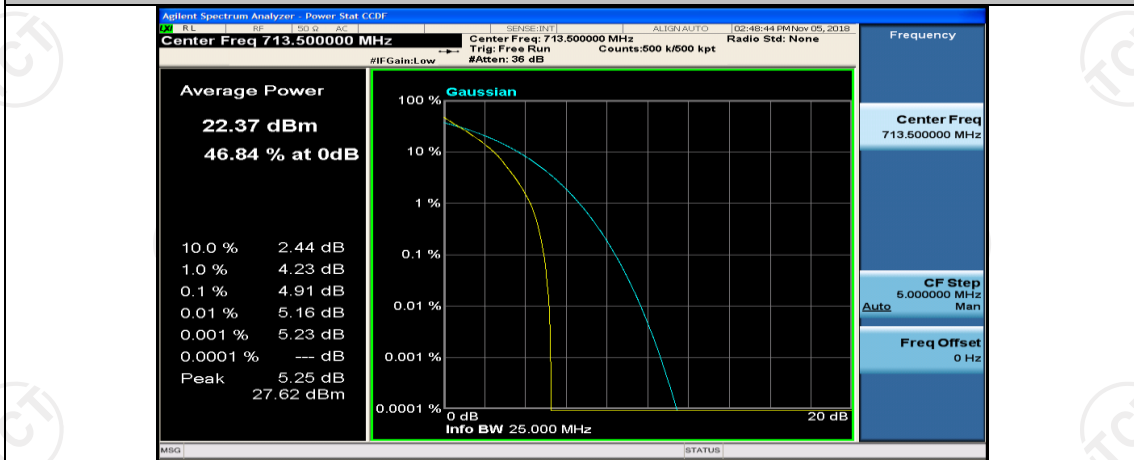
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



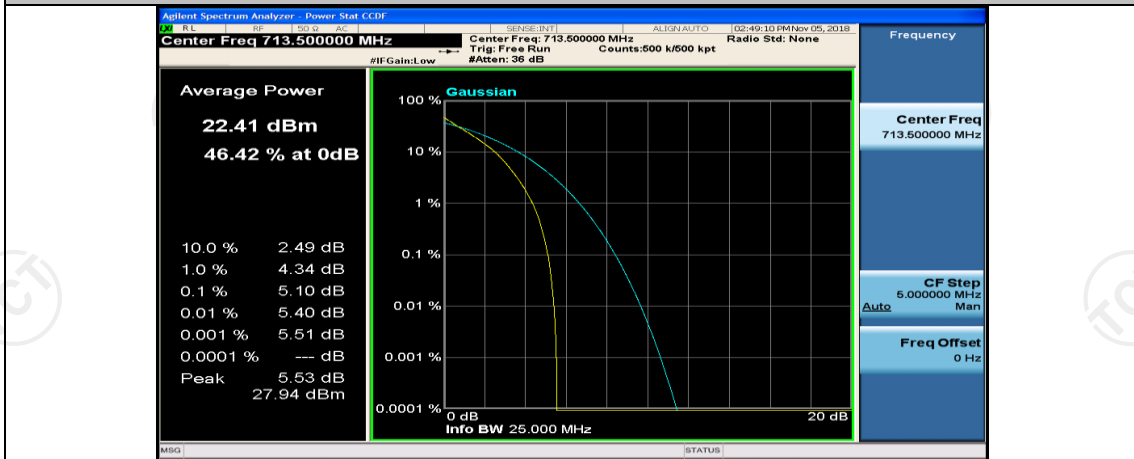
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



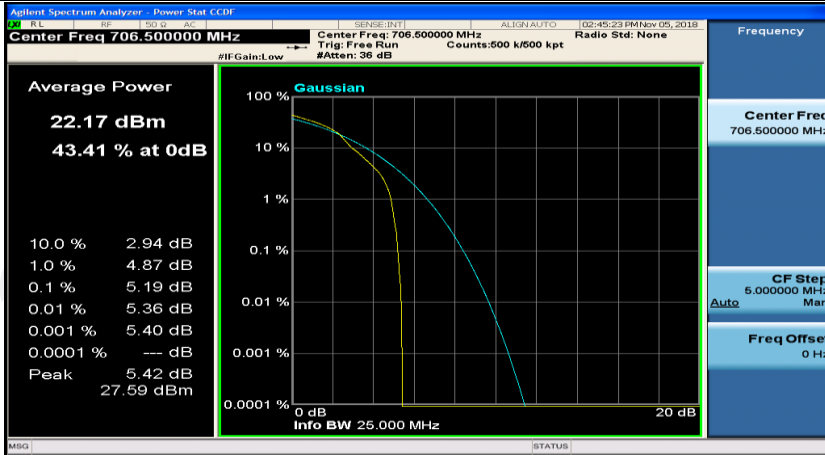
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



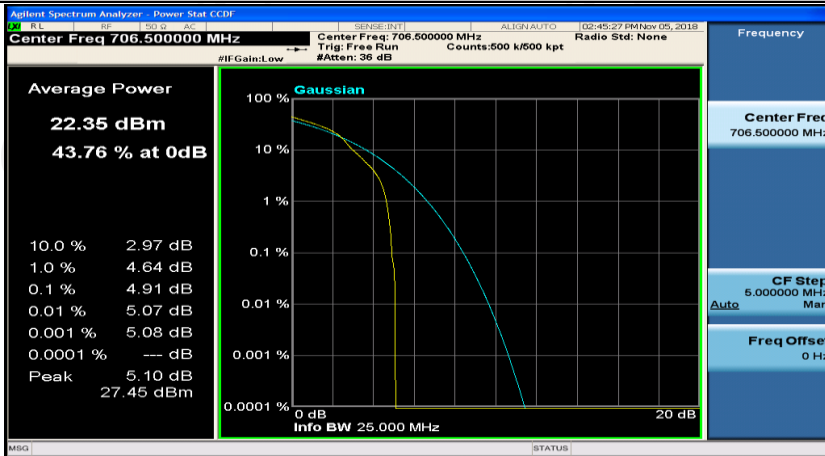
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



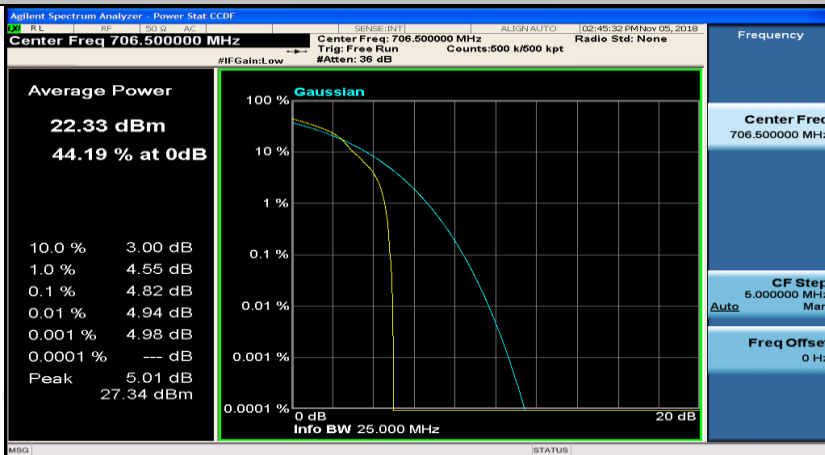
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



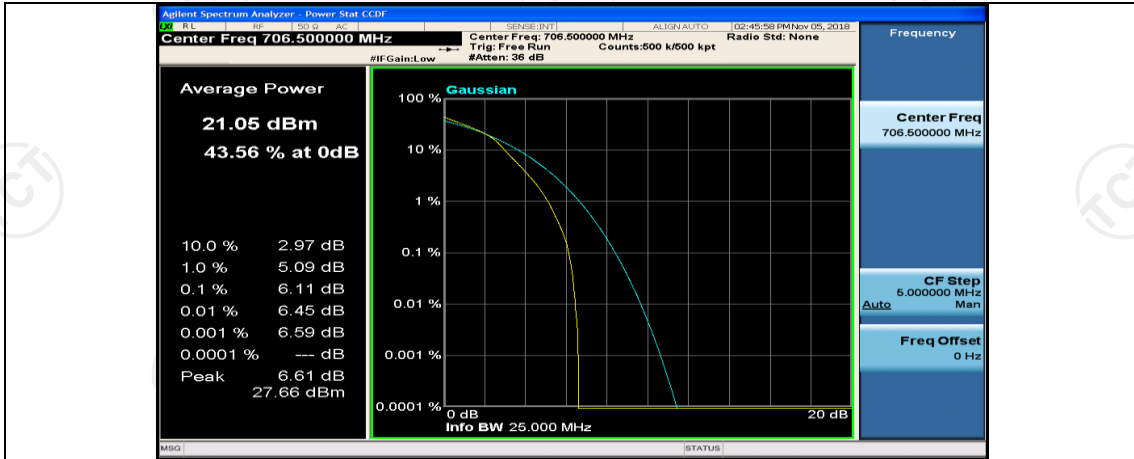
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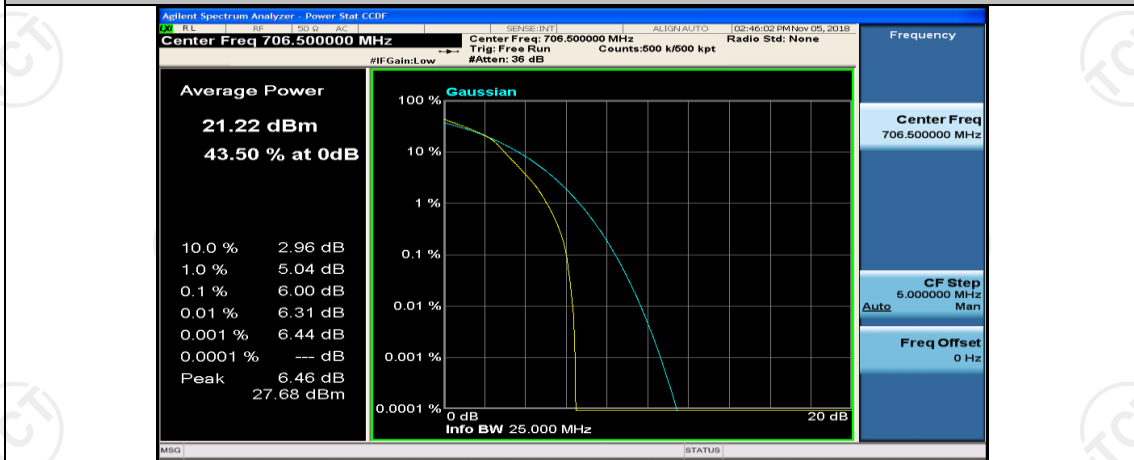
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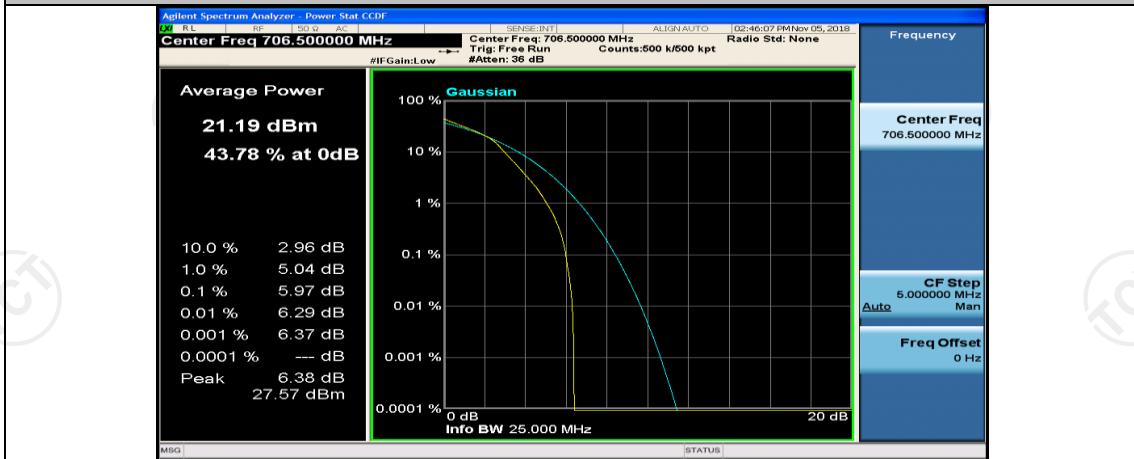
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



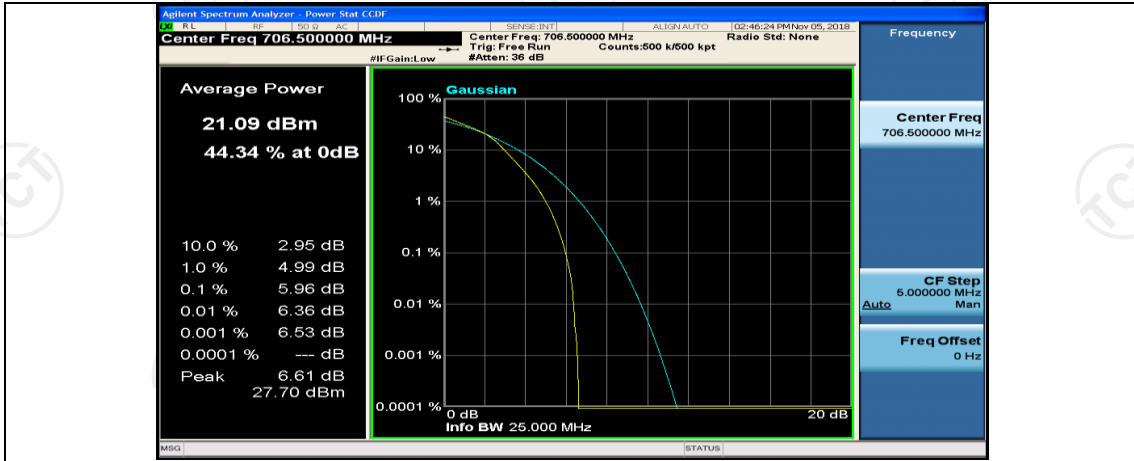
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



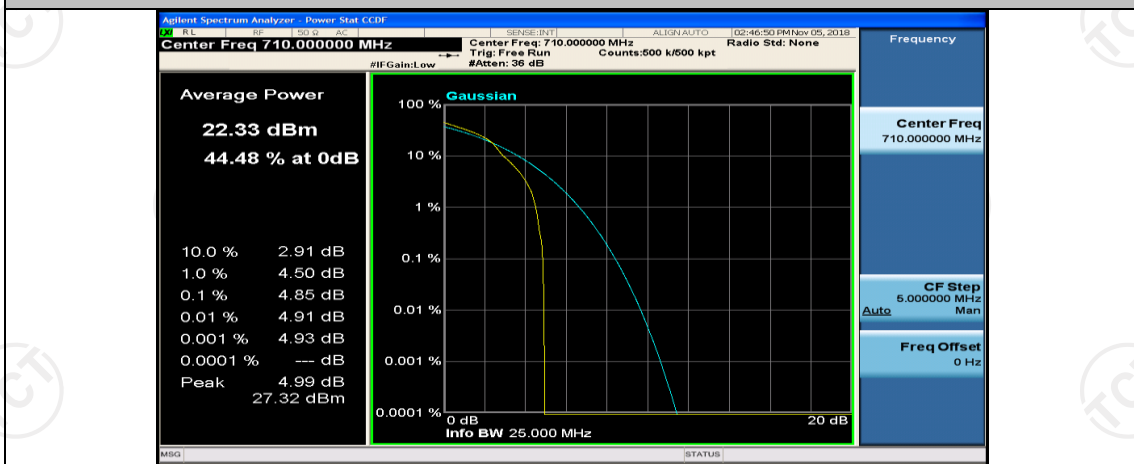
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



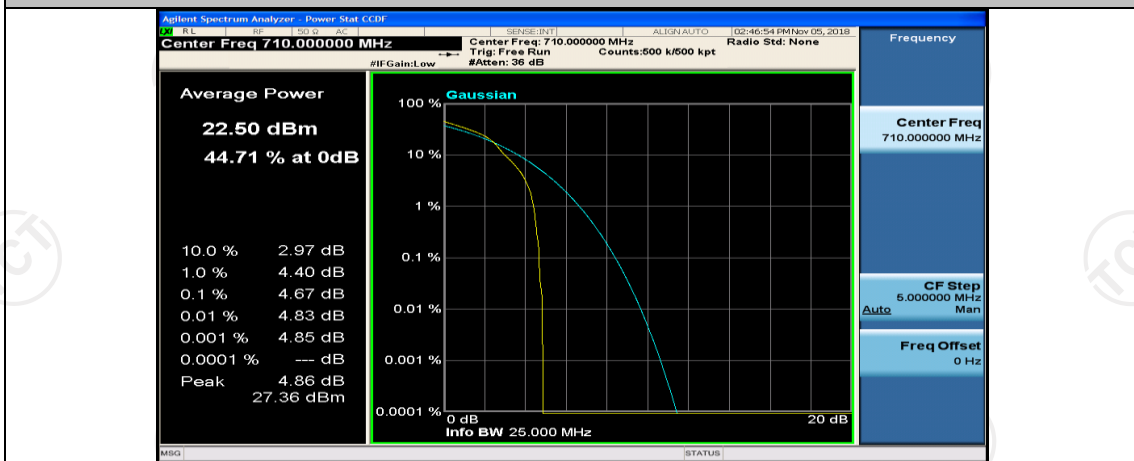
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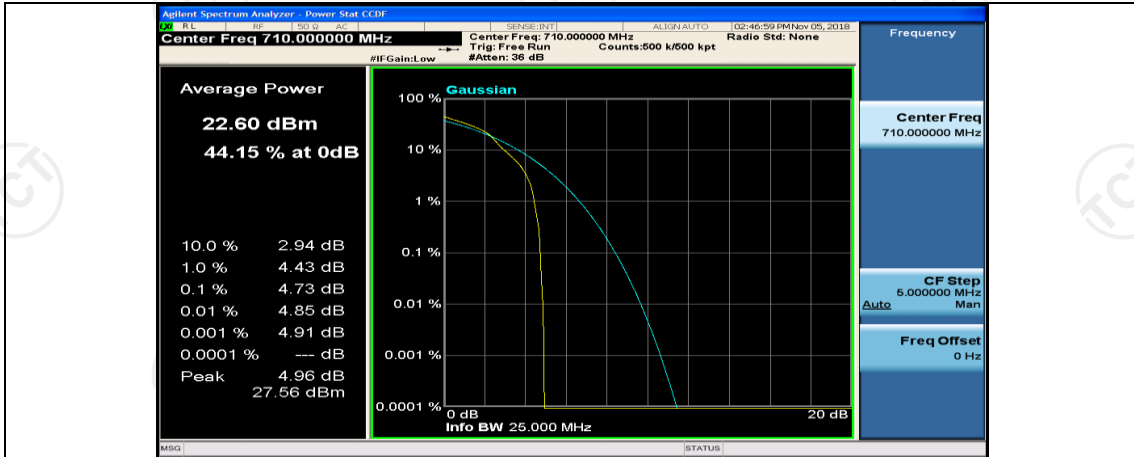
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



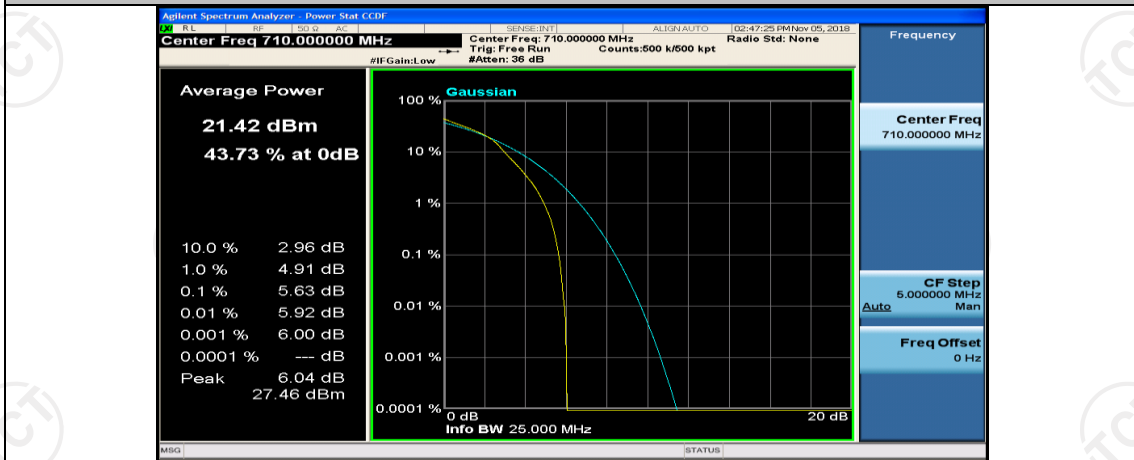
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



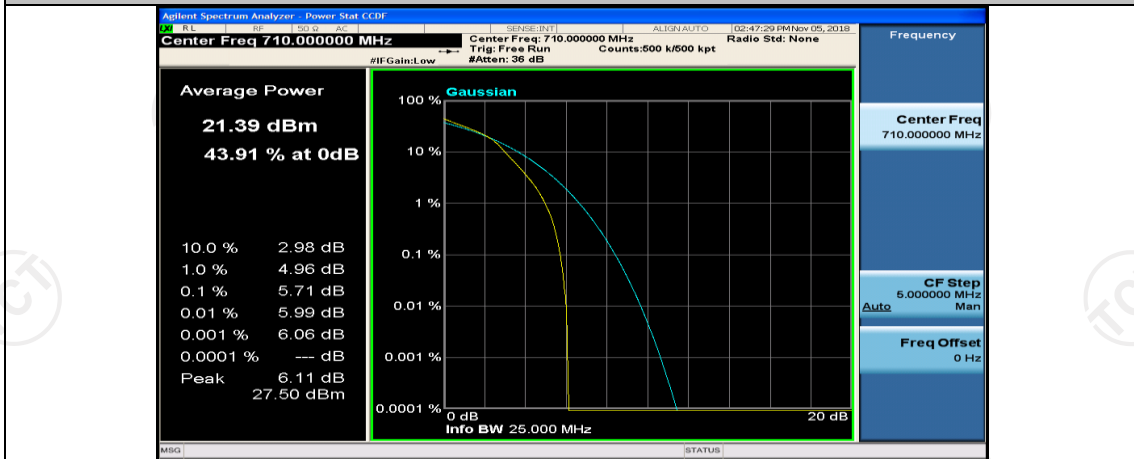
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



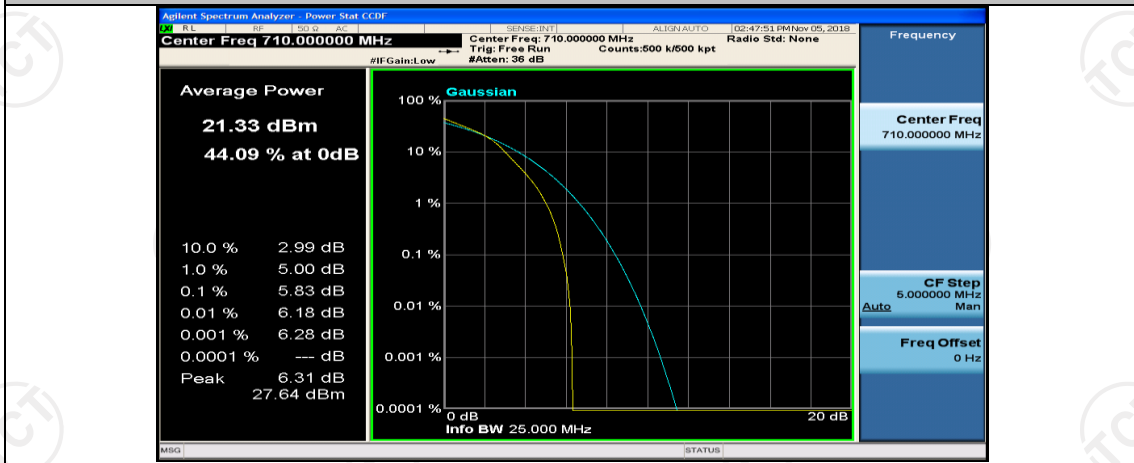
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



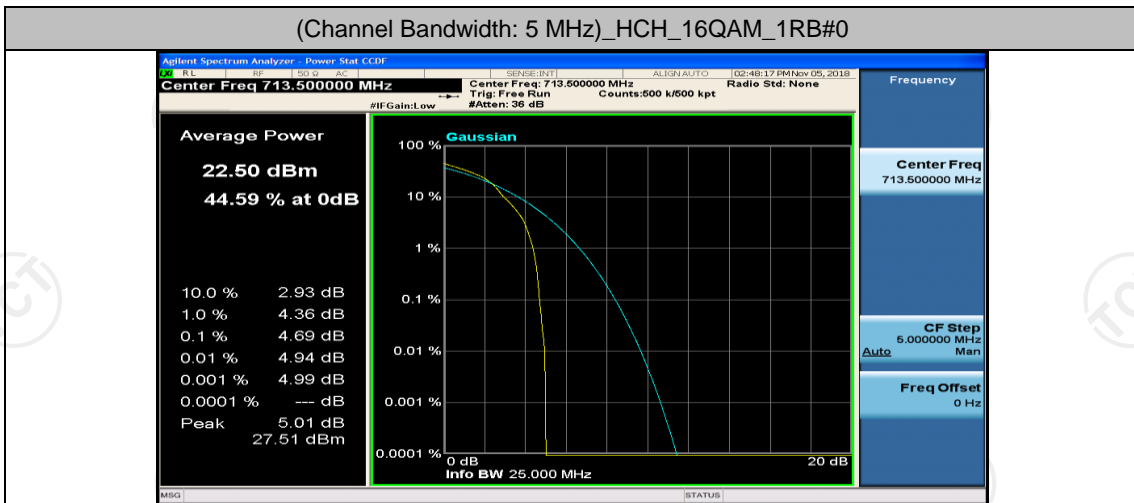
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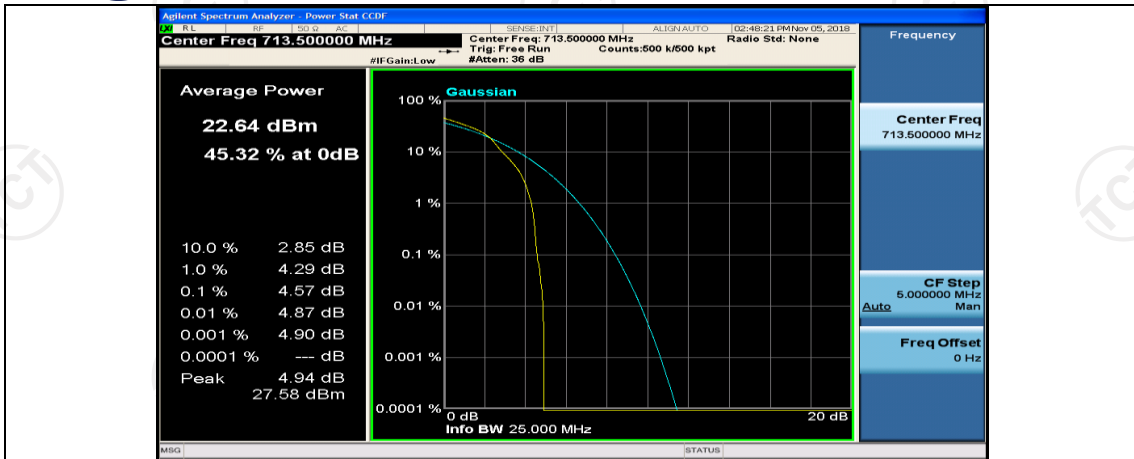
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



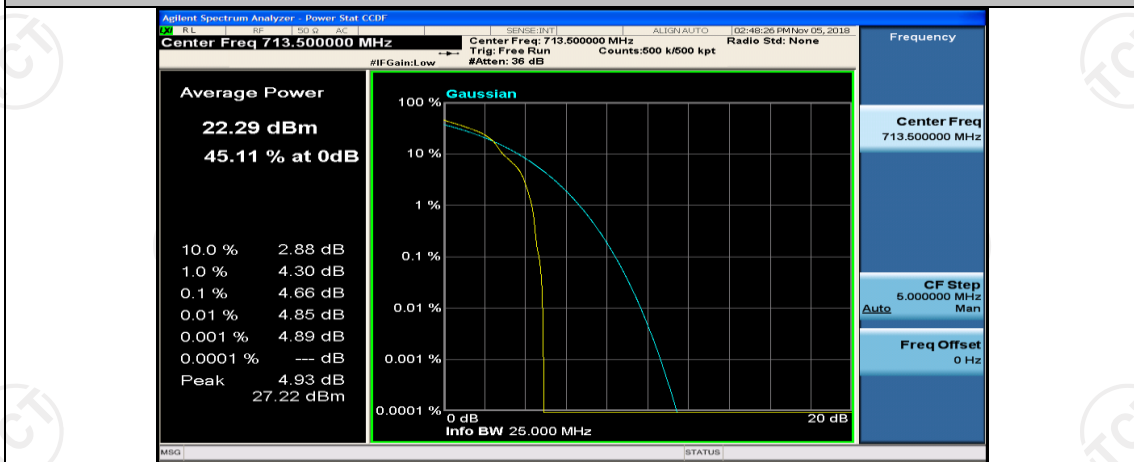
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



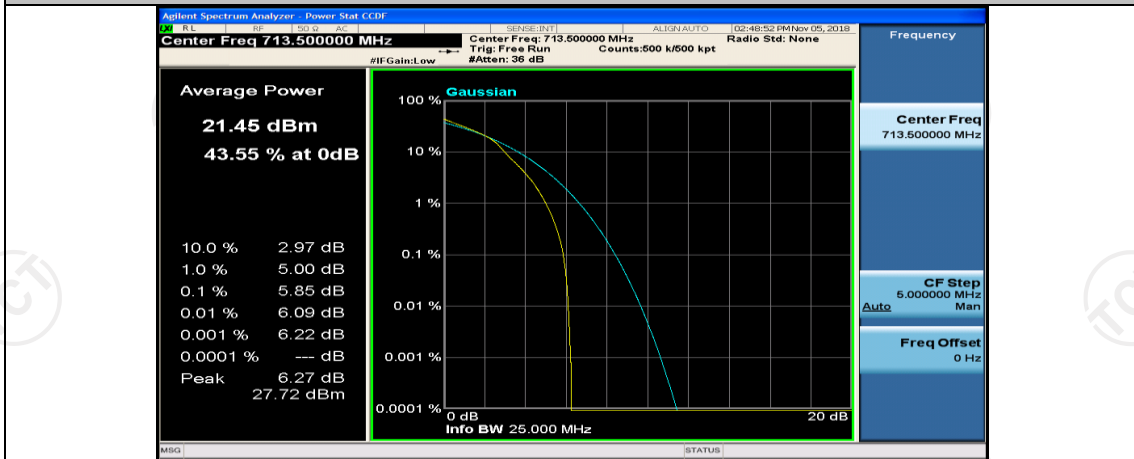
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



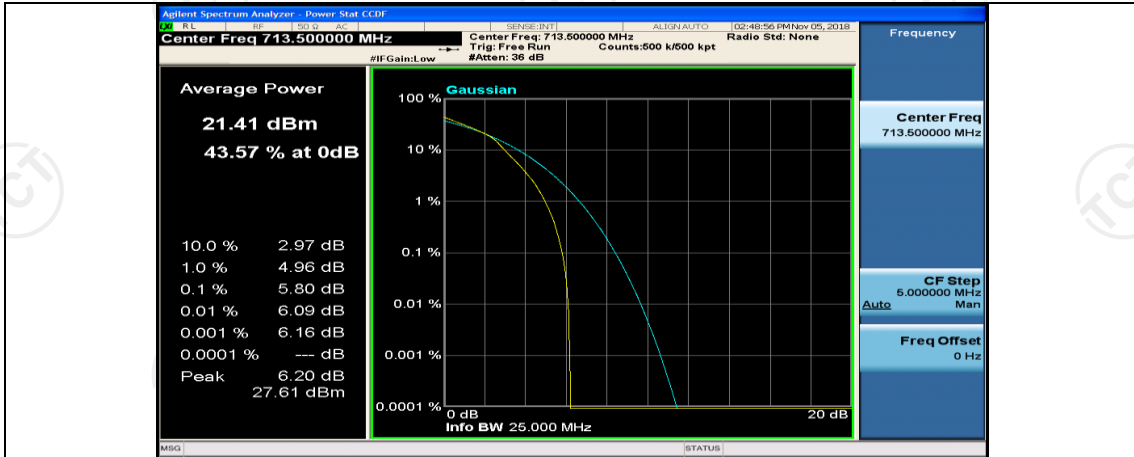
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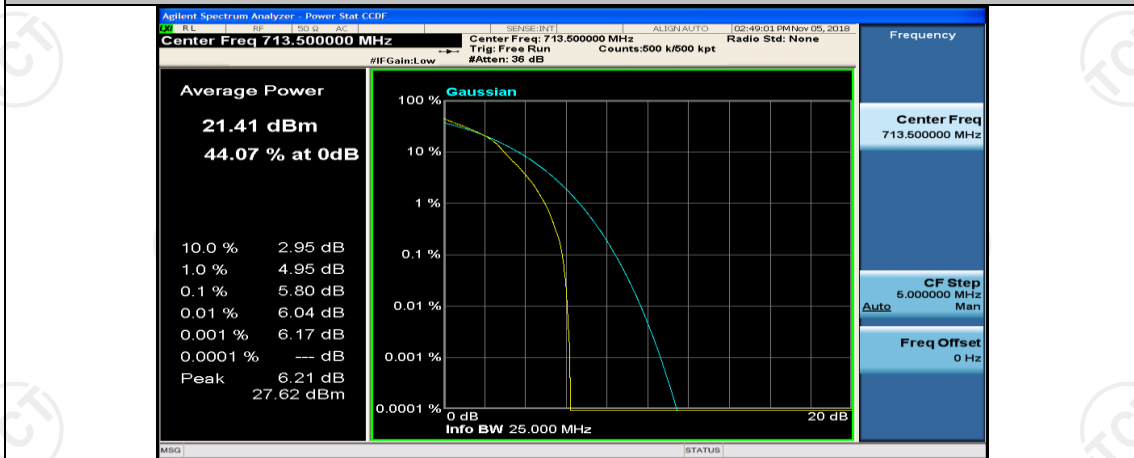
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



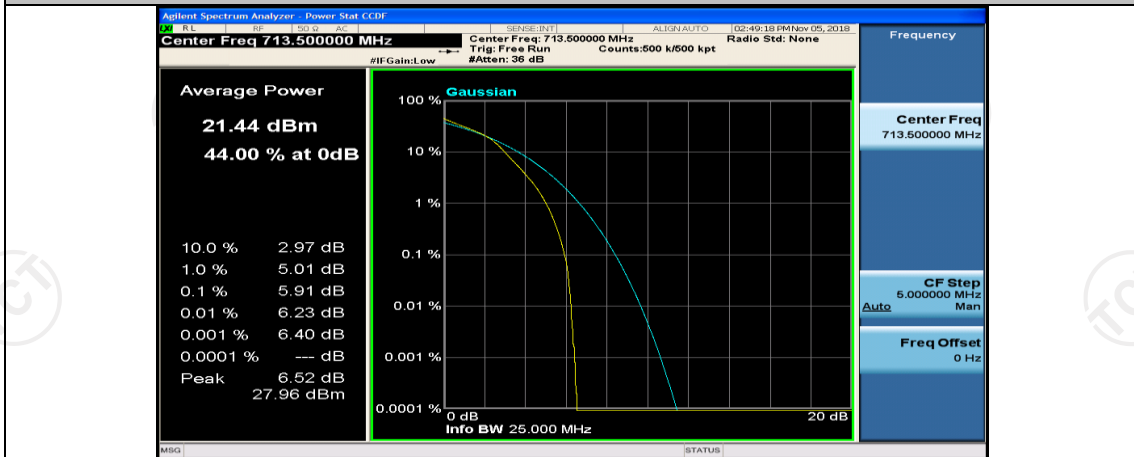
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



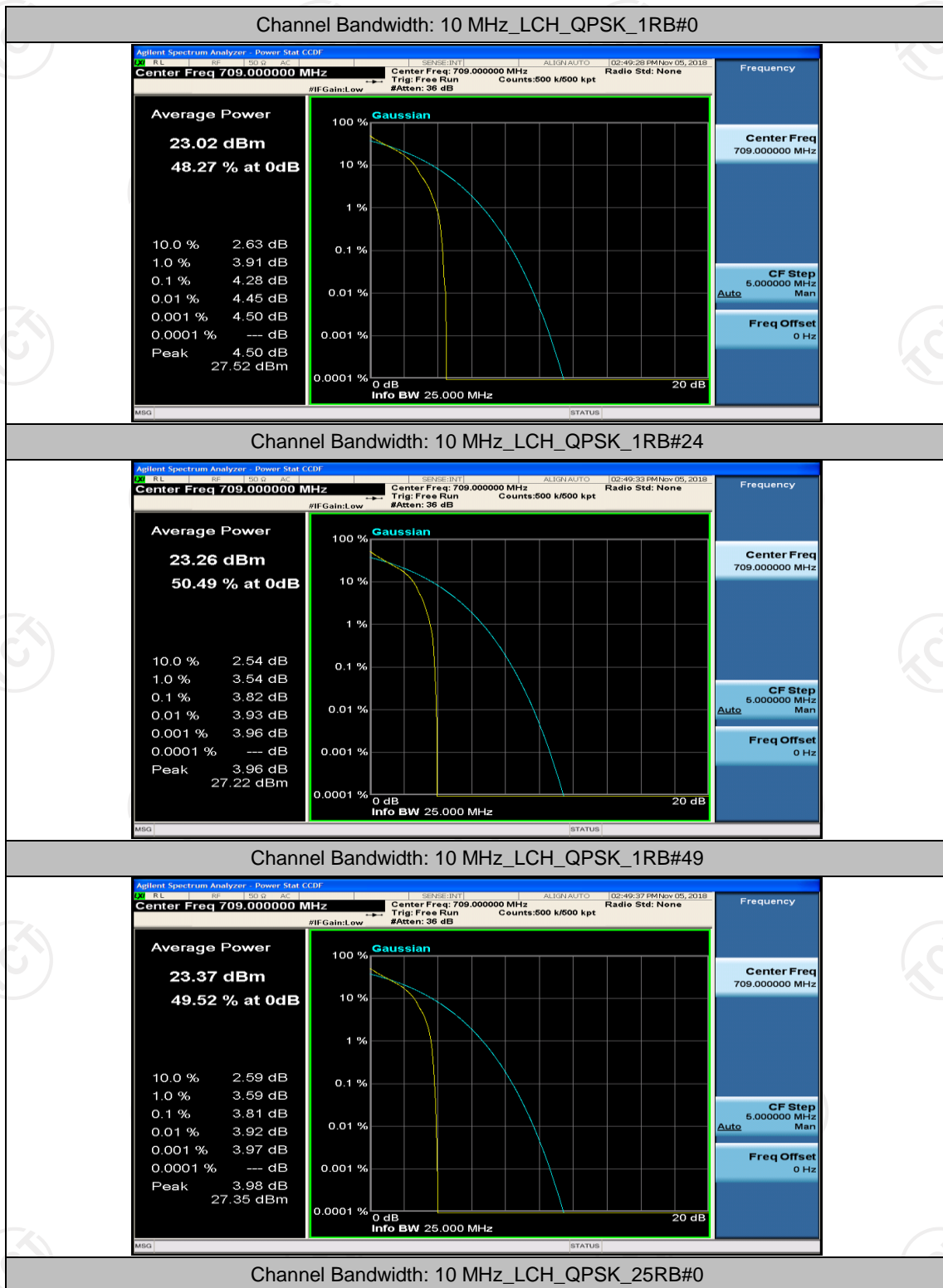
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

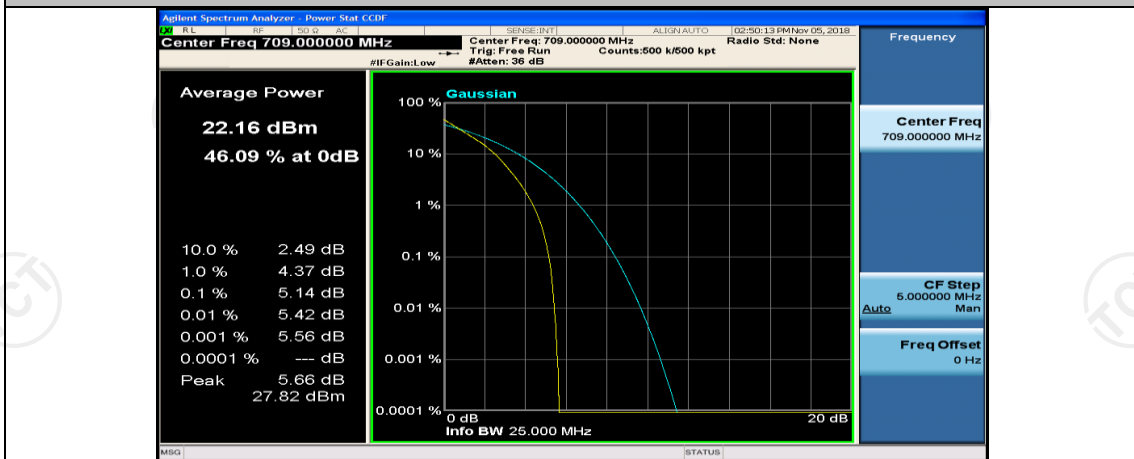
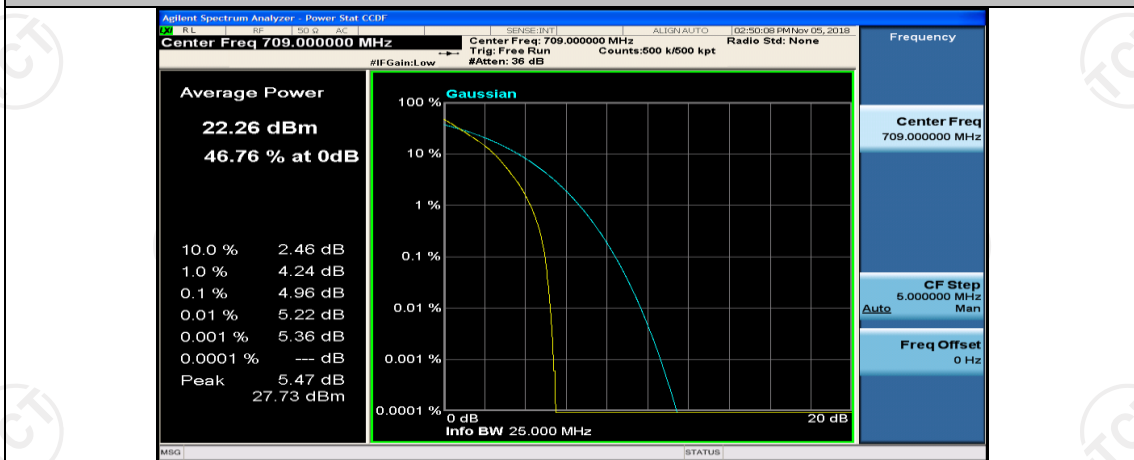
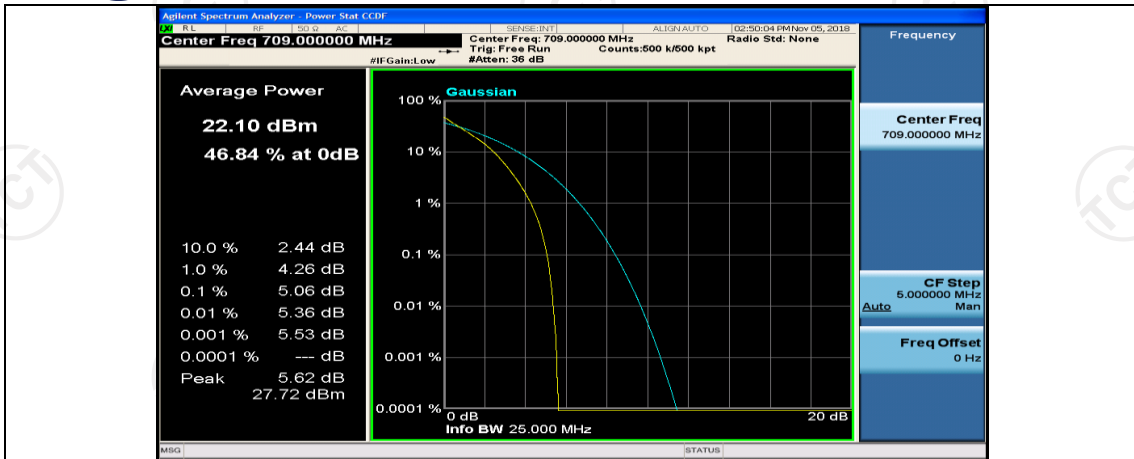


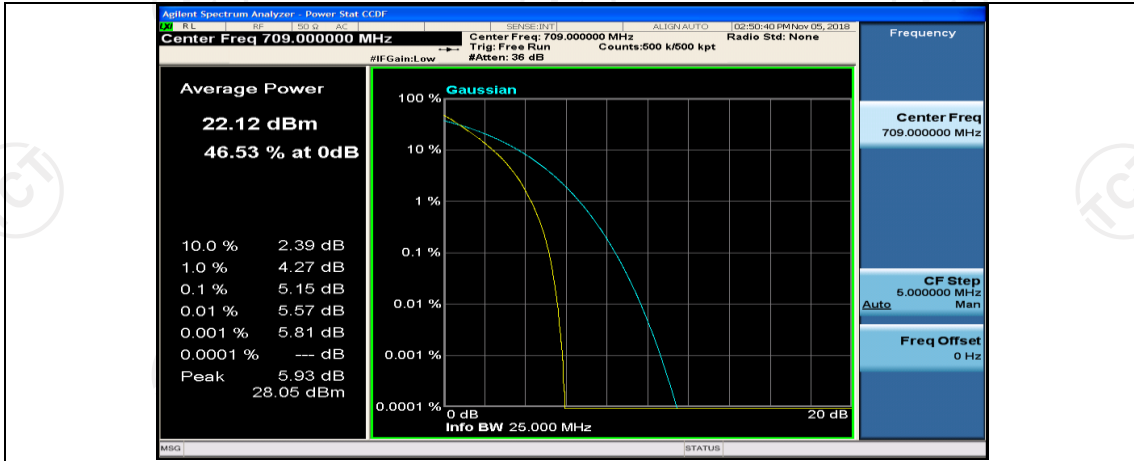
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



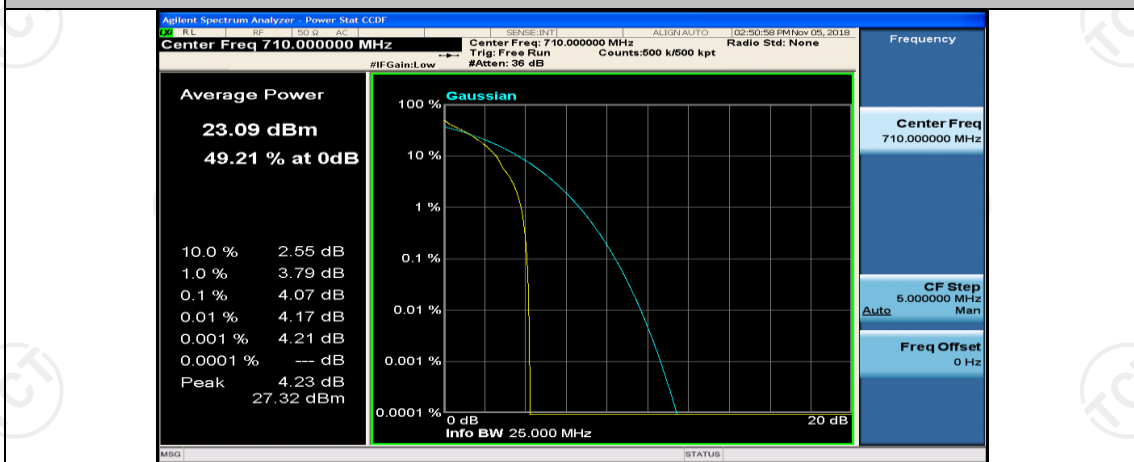
Channel Bandwidth: 10 MHz



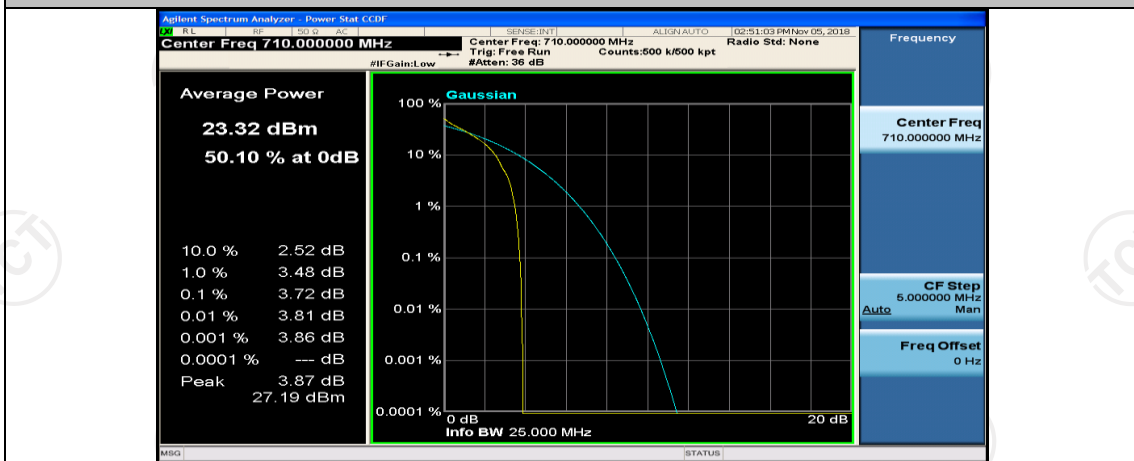




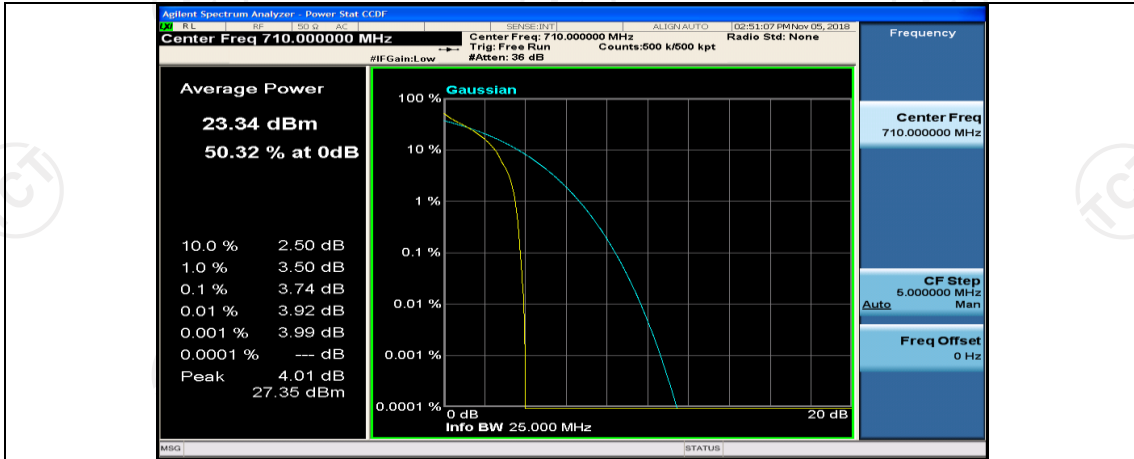
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



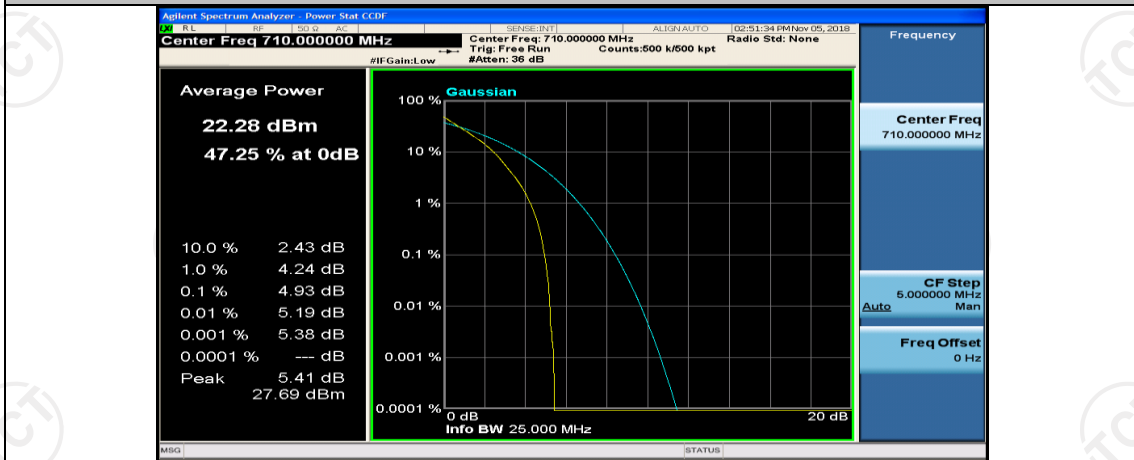
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



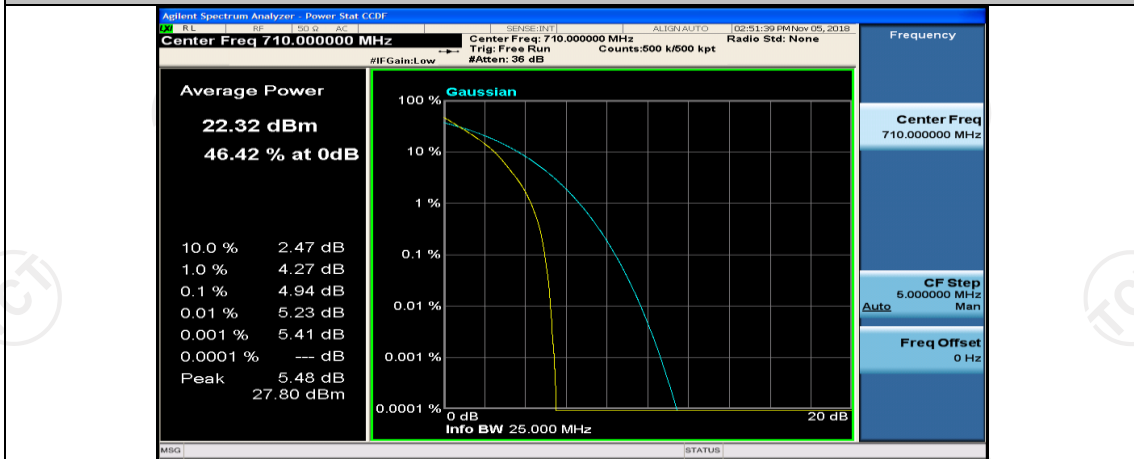
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



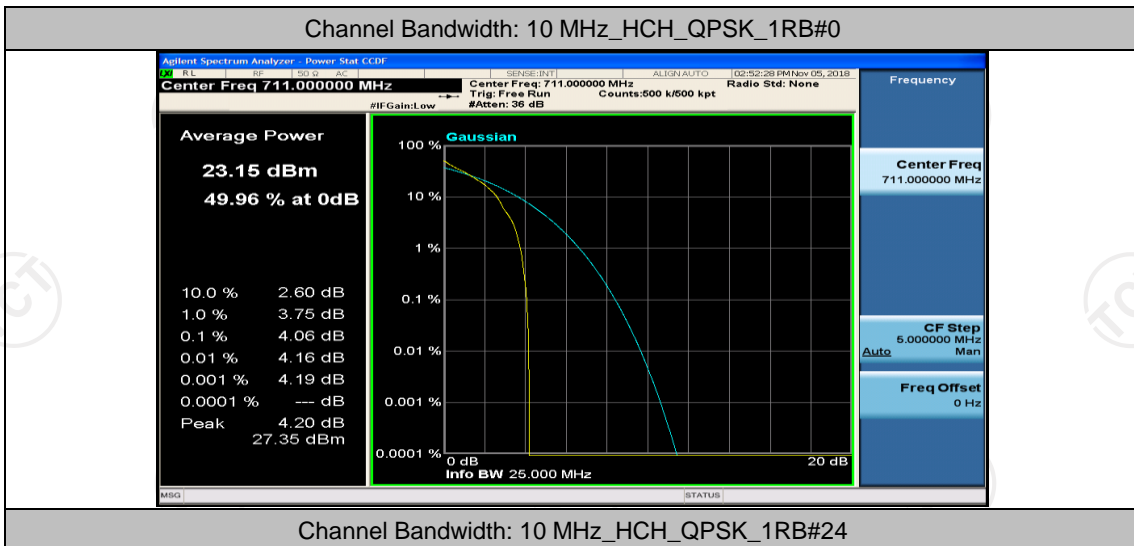
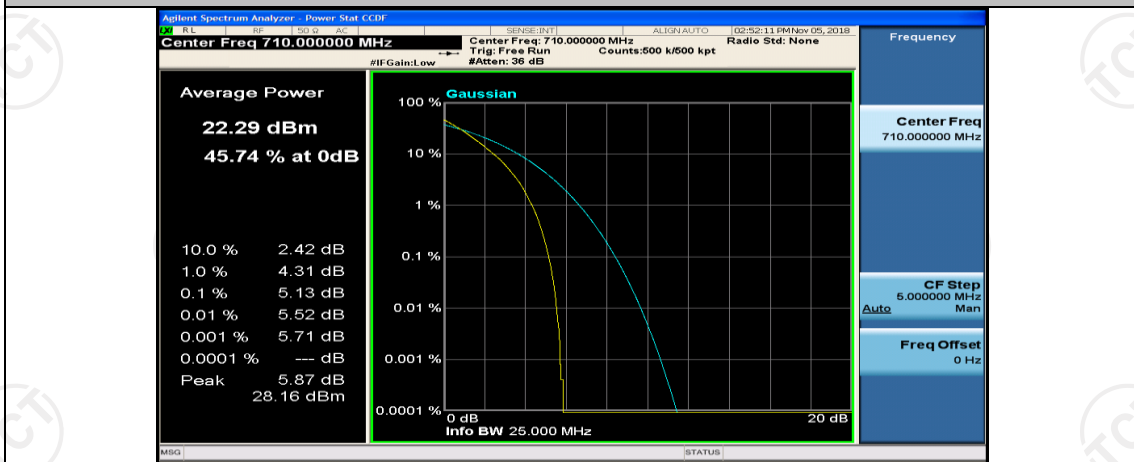
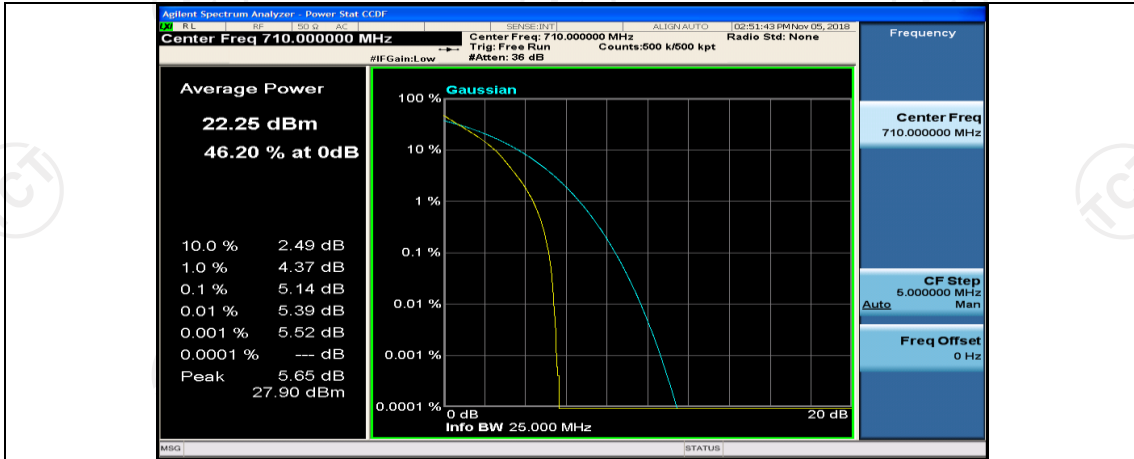
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

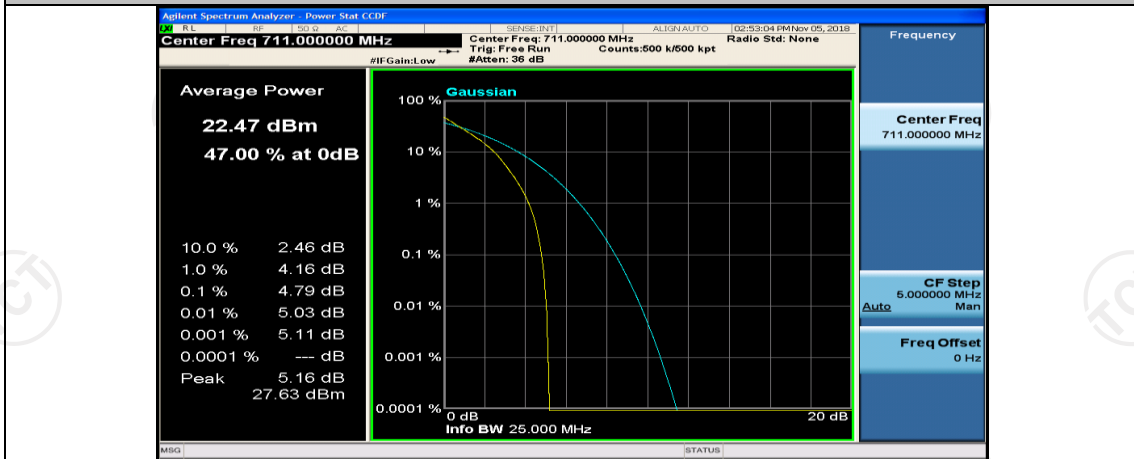
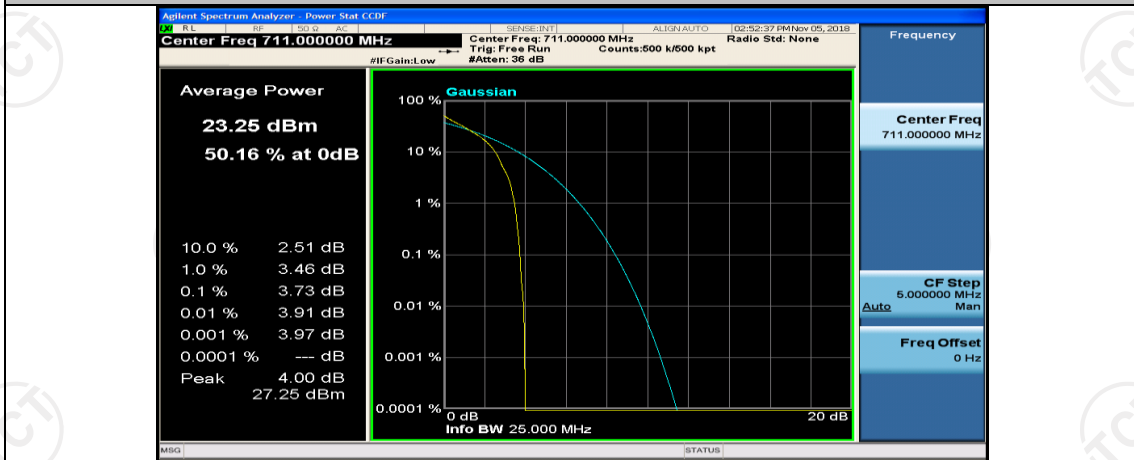
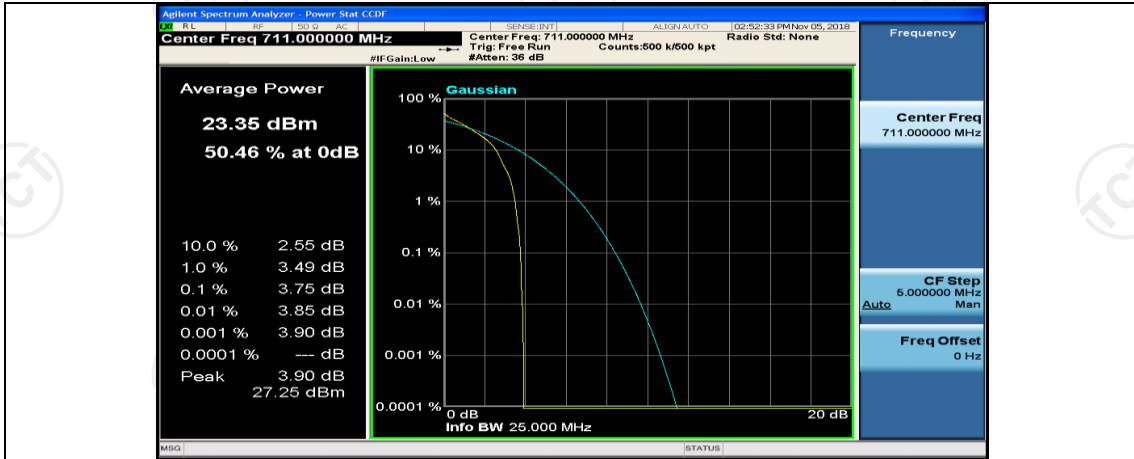


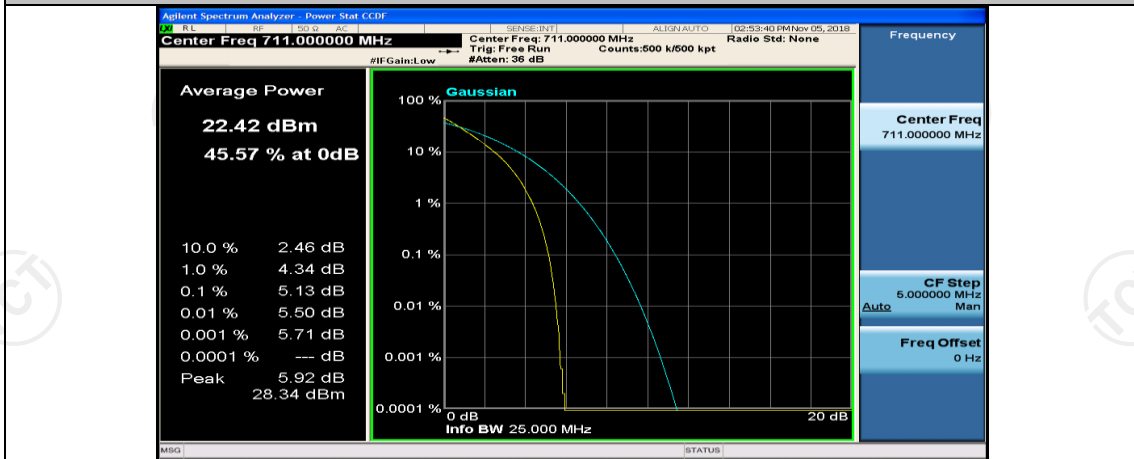
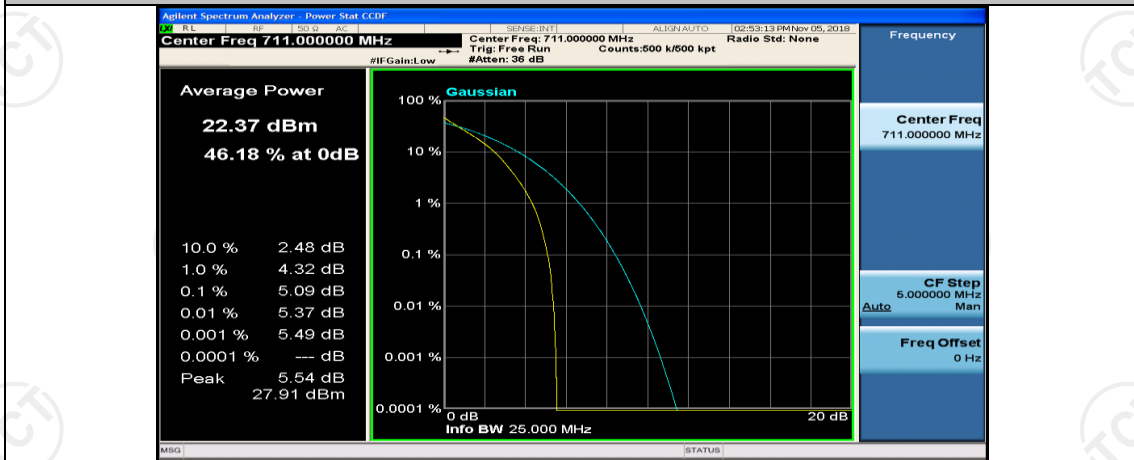
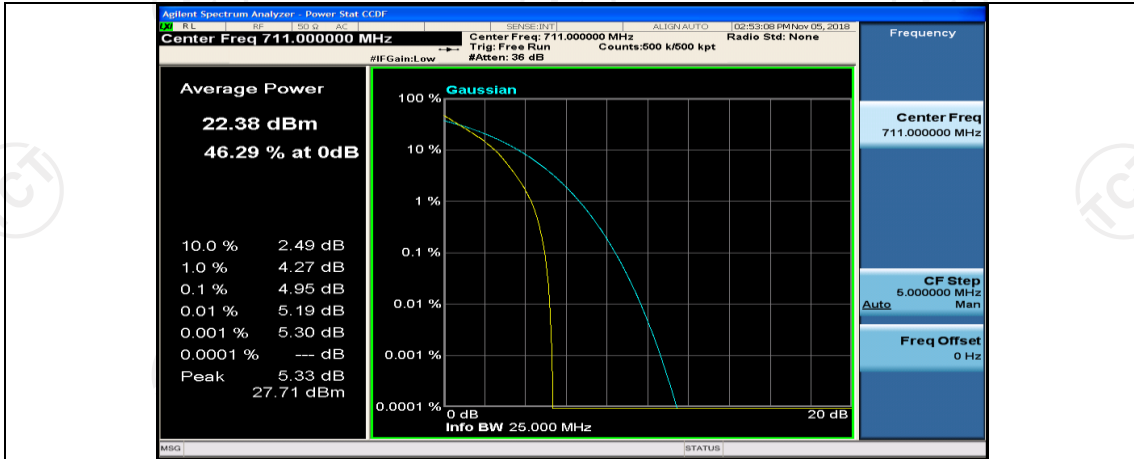
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



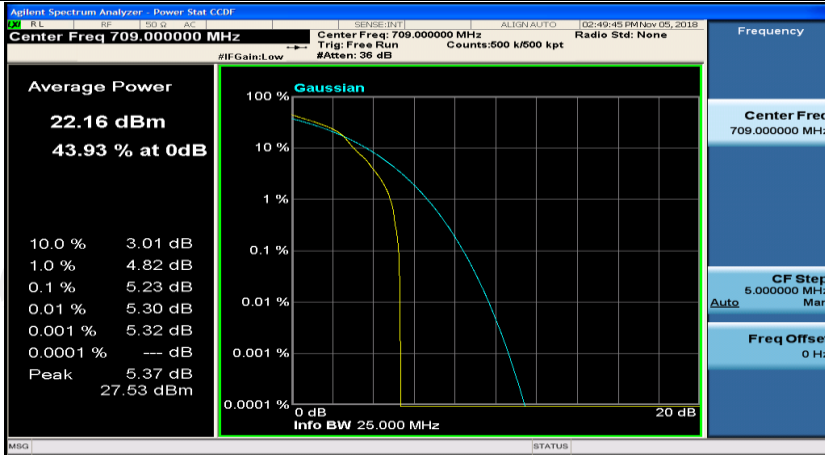
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



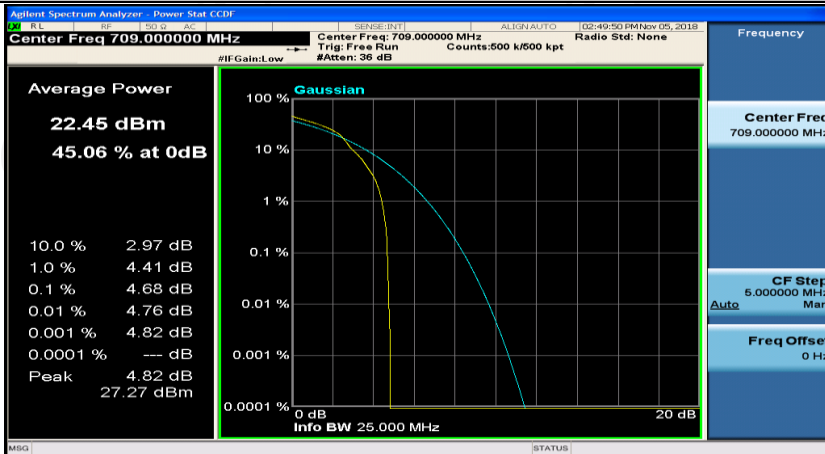




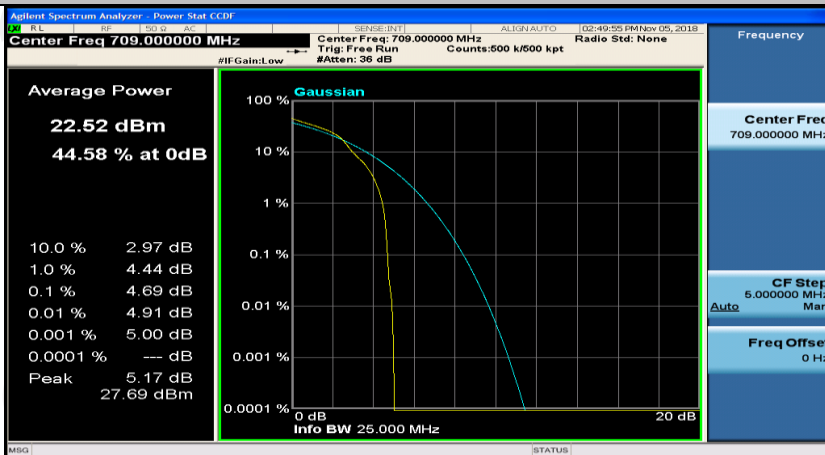
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



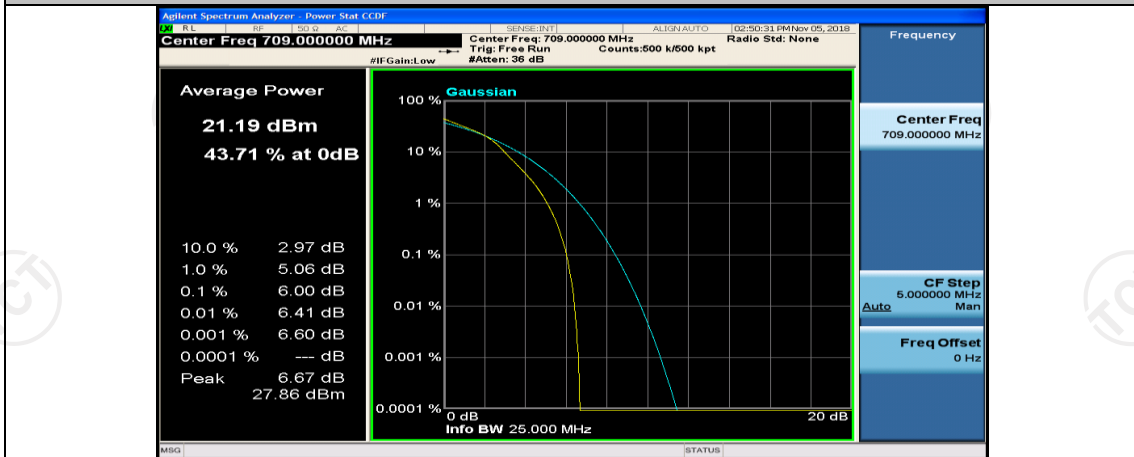
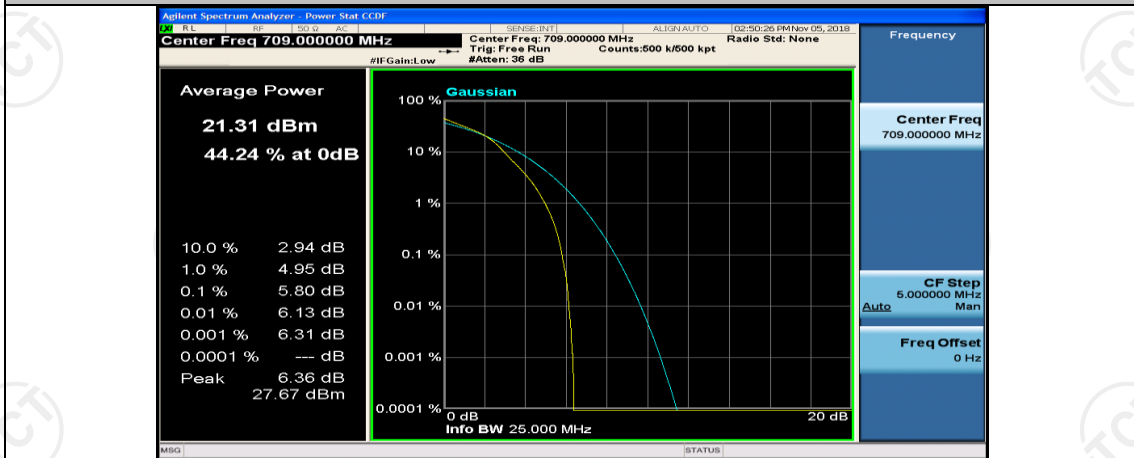
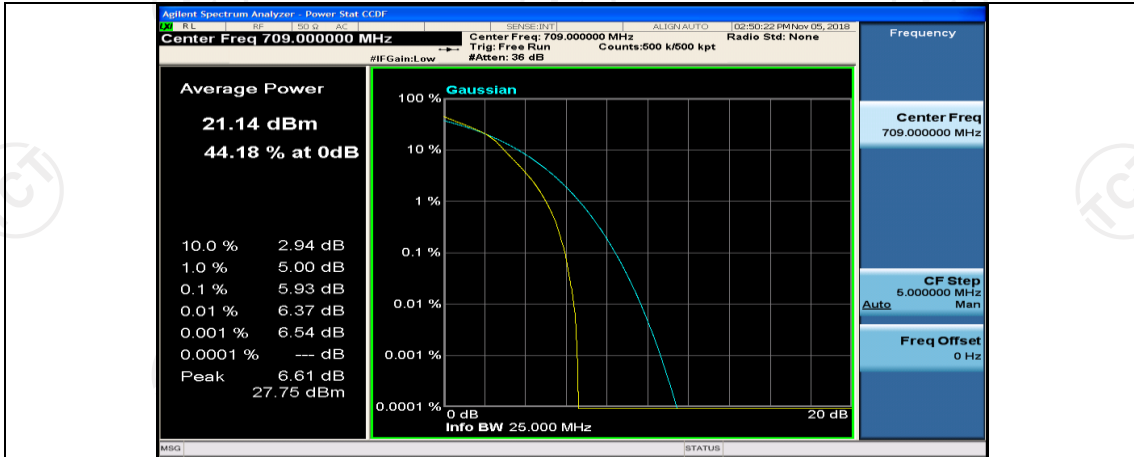
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

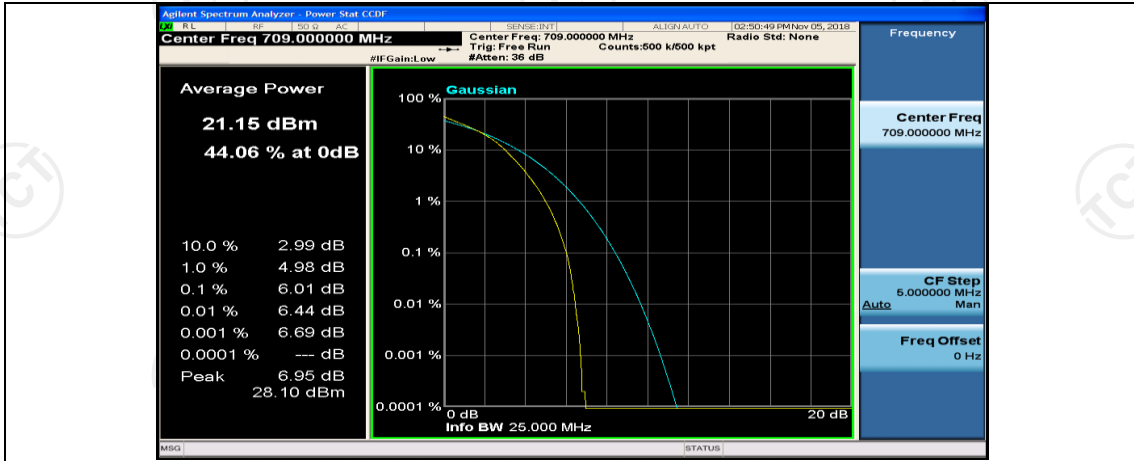


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

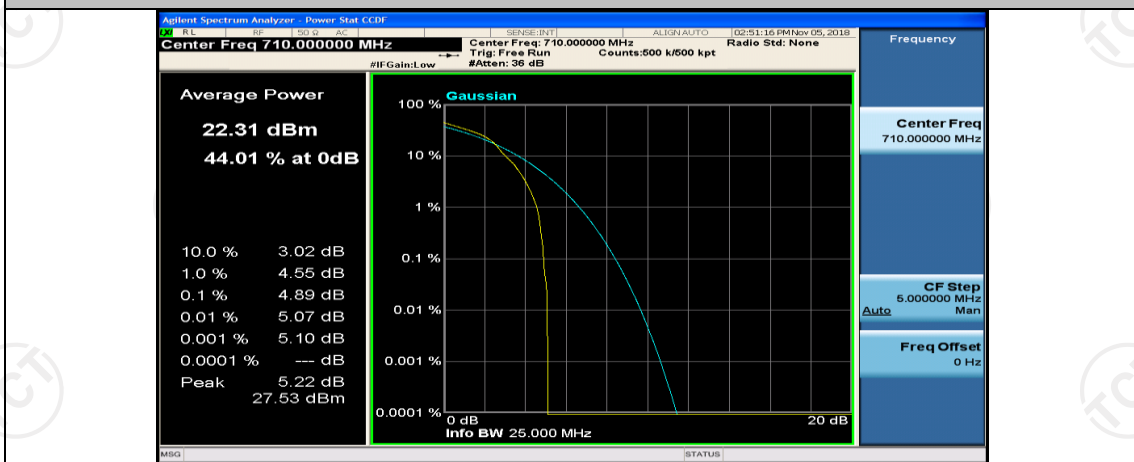


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

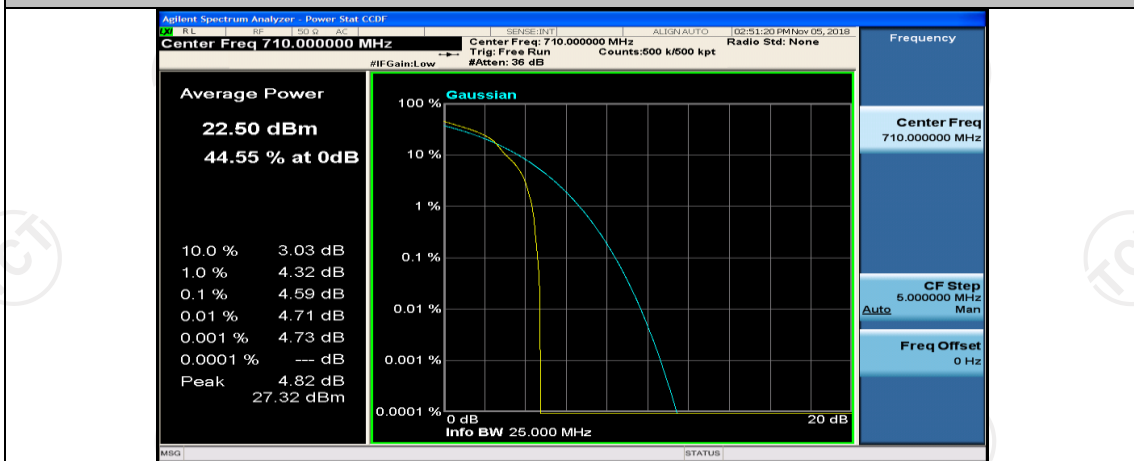




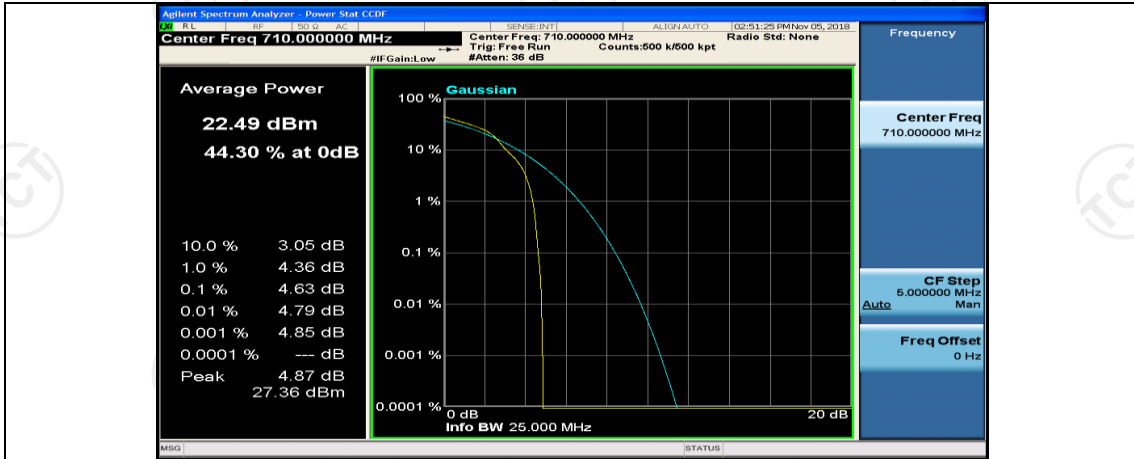
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



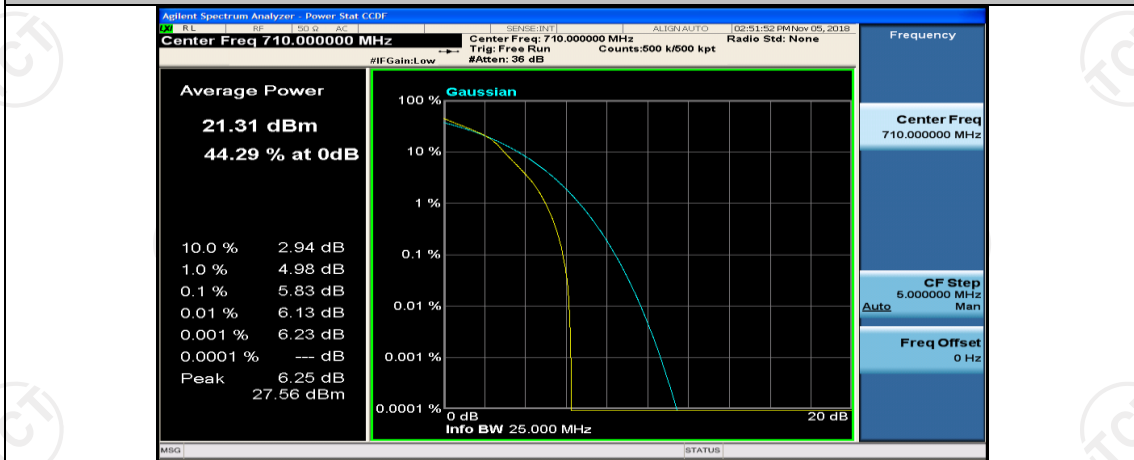
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



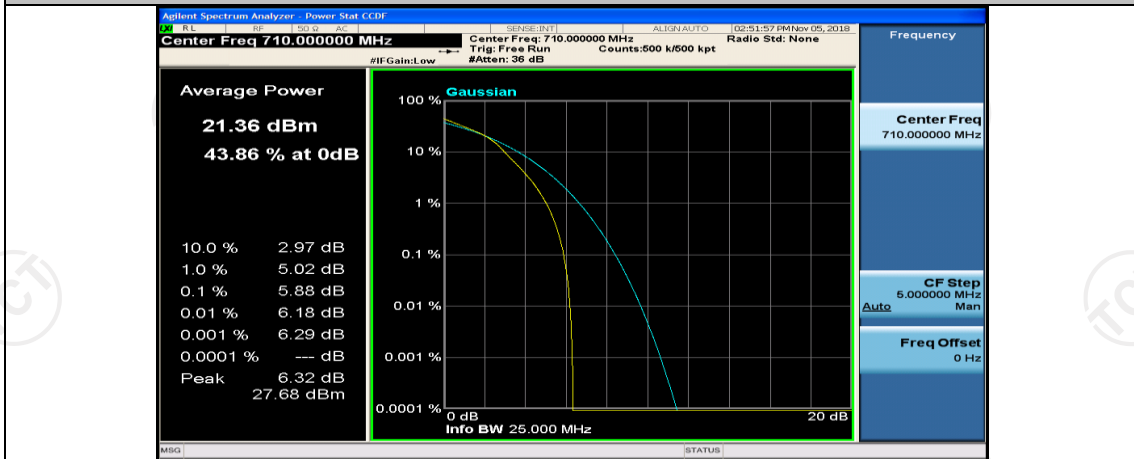
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



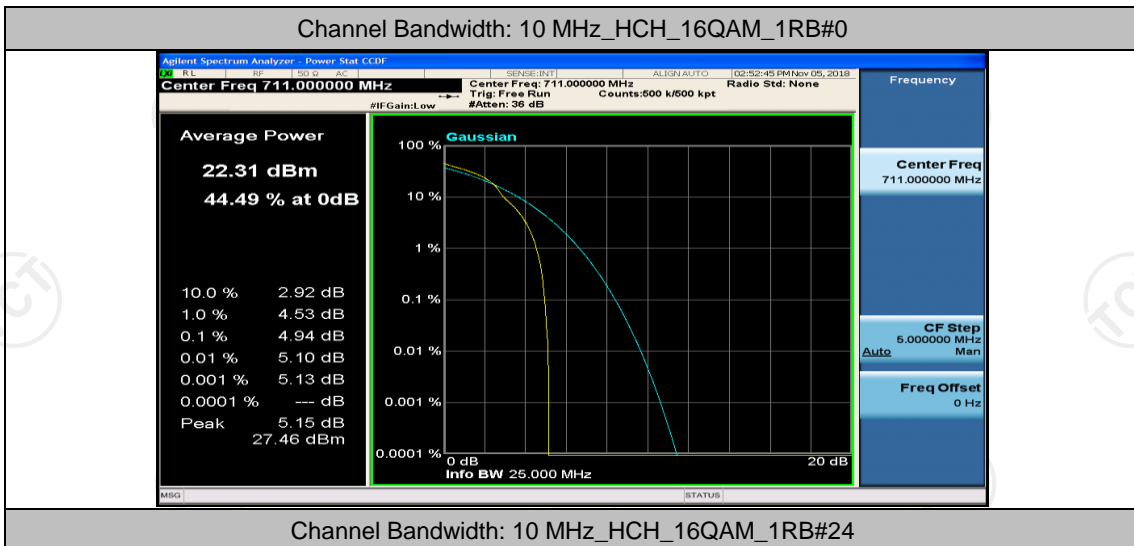
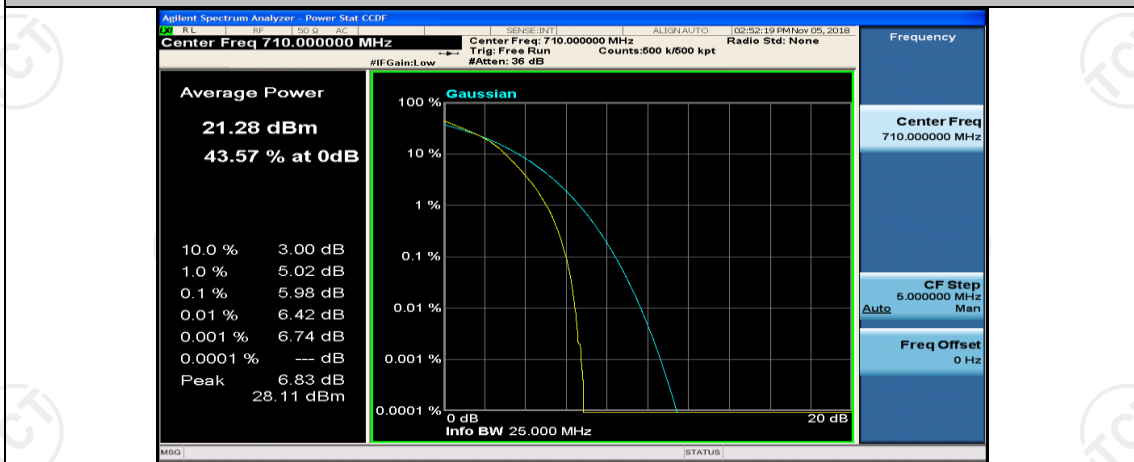
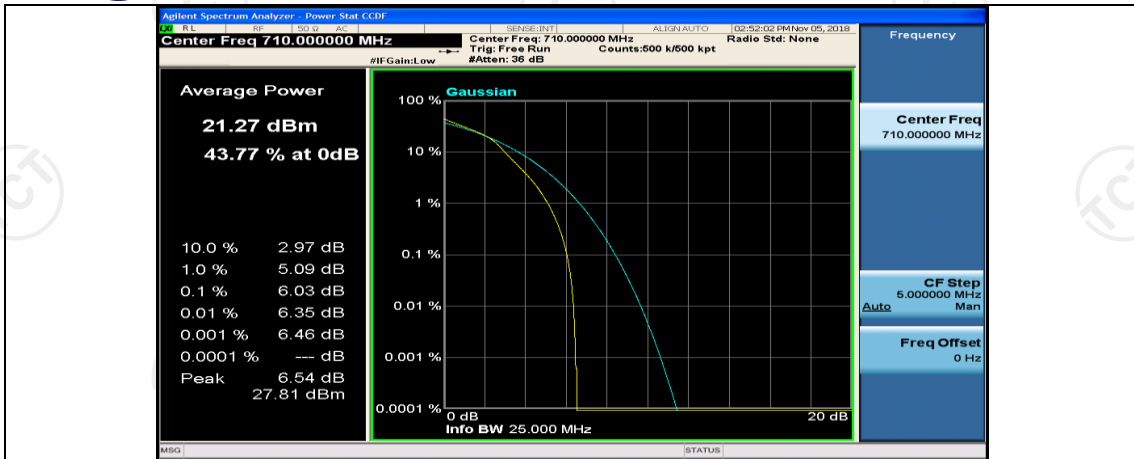
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

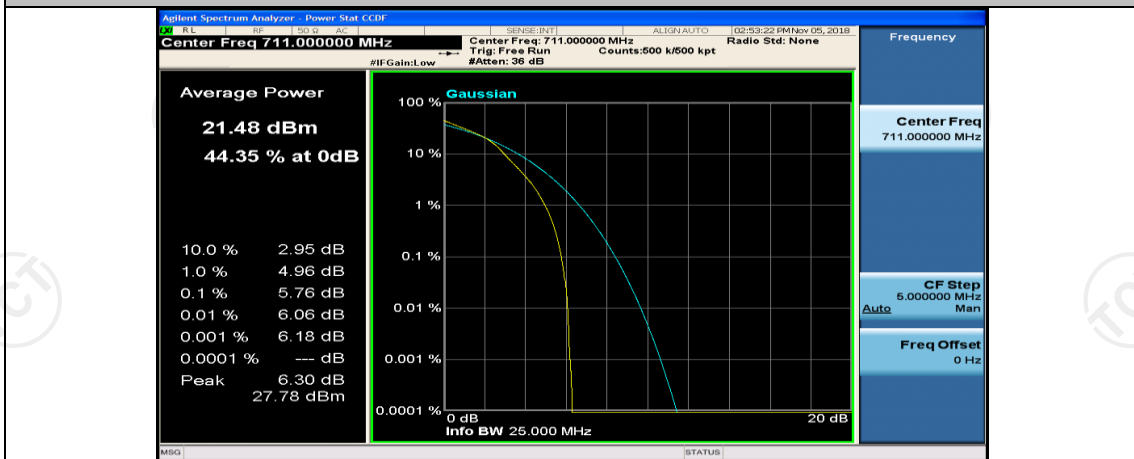
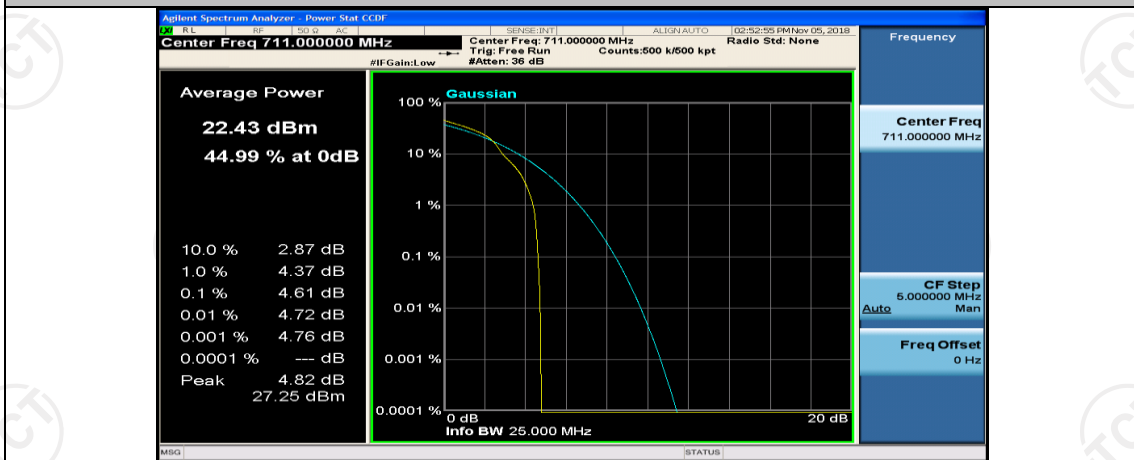
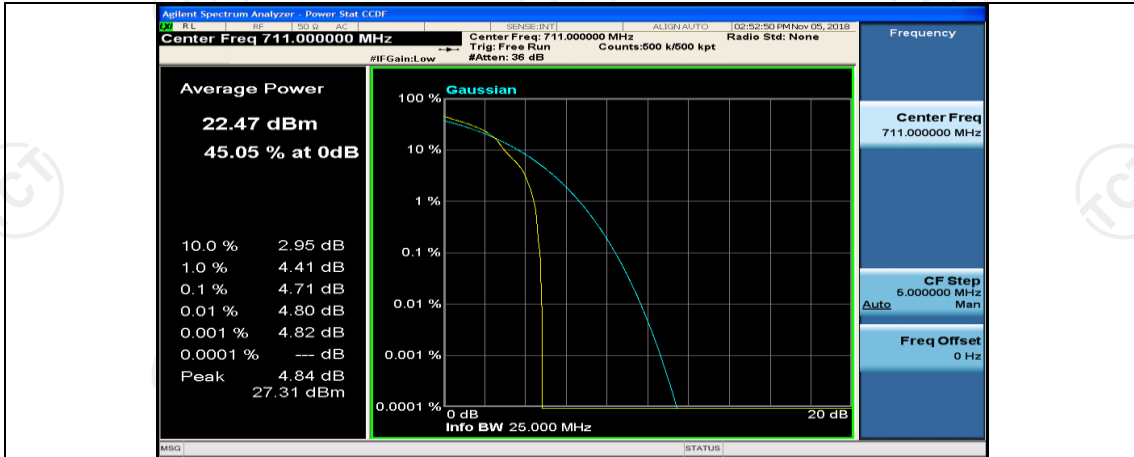


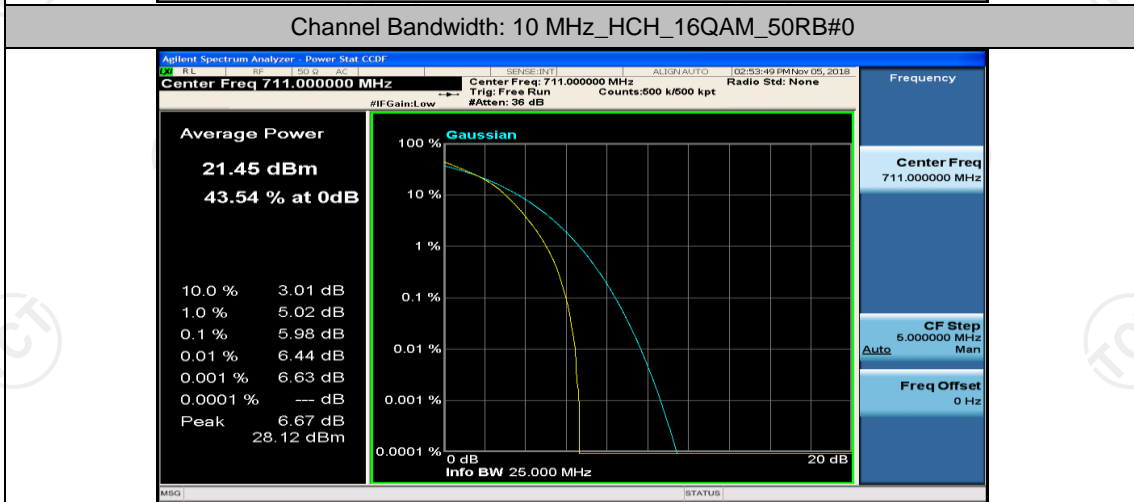
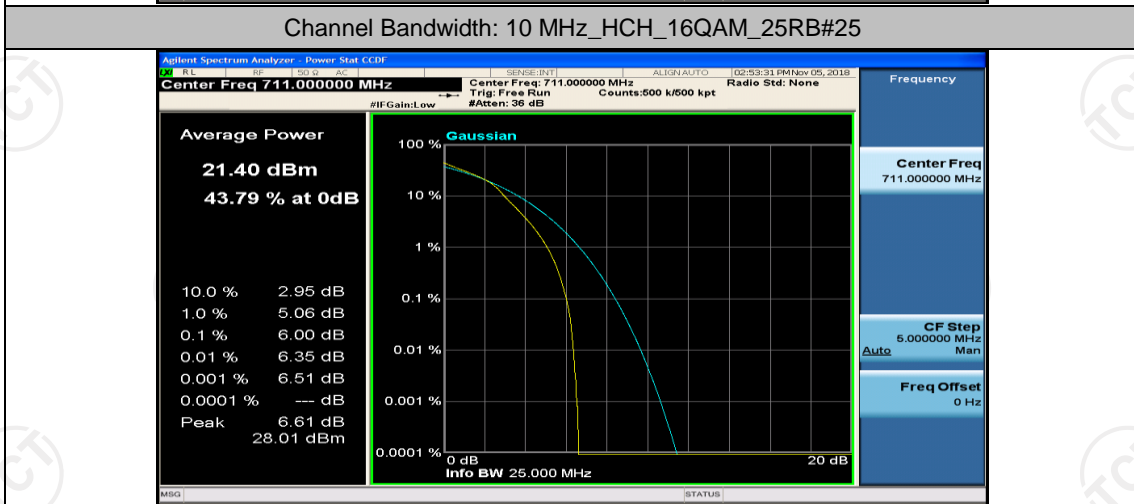
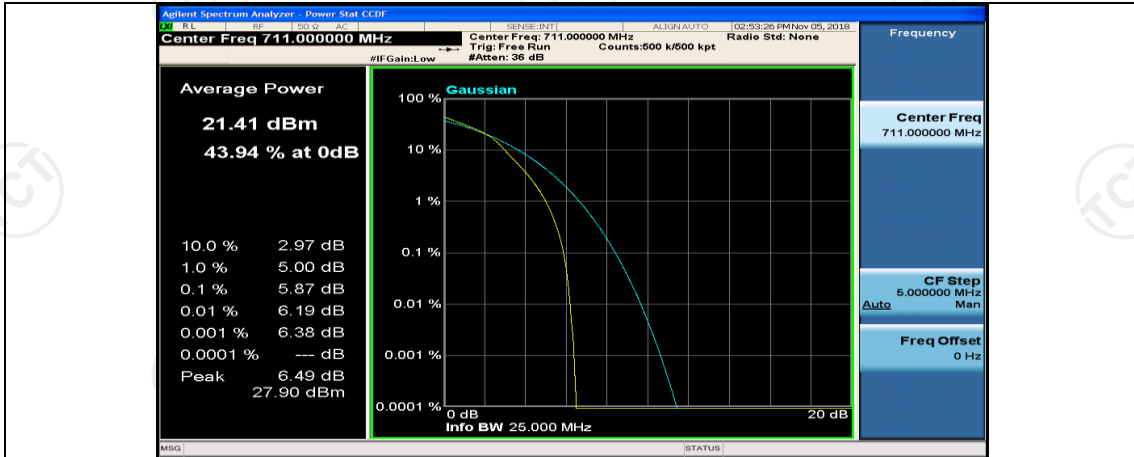
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25







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	0.32260	0.5787	PASS
		1	12	0.34118	0.5726	PASS
		1	24	0.33398	0.5669	PASS
		12	0	2.1739	2.537	PASS
		12	6	2.1772	2.583	PASS
		12	13	2.1732	2.534	PASS
		25	0	4.4714	4.806	PASS
	MCH	1	0	0.32308	0.5376	PASS
		1	12	0.35915	0.6093	PASS
		1	24	0.33989	0.5266	PASS
		12	0	2.1717	2.557	PASS
		12	6	2.1733	2.603	PASS
		12	13	2.1704	2.578	PASS
		25	0	4.4703	4.820	PASS
	HCH	1	0	0.33796	0.5969	PASS
		1	12	0.35079	0.5666	PASS
		1	24	0.33059	0.5544	PASS
		12	0	2.1701	2.542	PASS
		12	6	2.1748	2.604	PASS
		12	13	2.1742	2.579	PASS
		25	0	4.4738	4.858	PASS
16QAM	LCH	1	0	0.34544	0.5636	PASS
		1	12	0.37754	0.6073	PASS
		1	24	0.35483	0.6183	PASS
		12	0	2.1809	2.542	PASS
		12	6	2.1779	2.587	PASS
		12	13	2.1765	2.511	PASS
		25	0	4.4699	4.743	PASS
	MCH	1	0	0.31764	0.5077	PASS
		1	12	0.34811	0.5560	PASS
		1	24	0.33532	0.5225	PASS

		12	0	2.1804	2.550	PASS
		12	6	2.1819	2.681	PASS
		12	13	2.1815	2.579	PASS
		25	0	4.4726	4.776	PASS
	HCH	1	0	0.33222	0.5112	PASS
		1	12	0.35993	0.5695	PASS
		1	24	0.34203	0.5226	PASS
		12	0	2.1770	2.588	PASS
		12	6	2.1741	2.648	PASS
		12	13	2.1777	2.535	PASS
		25	0	4.4769	4.860	PASS

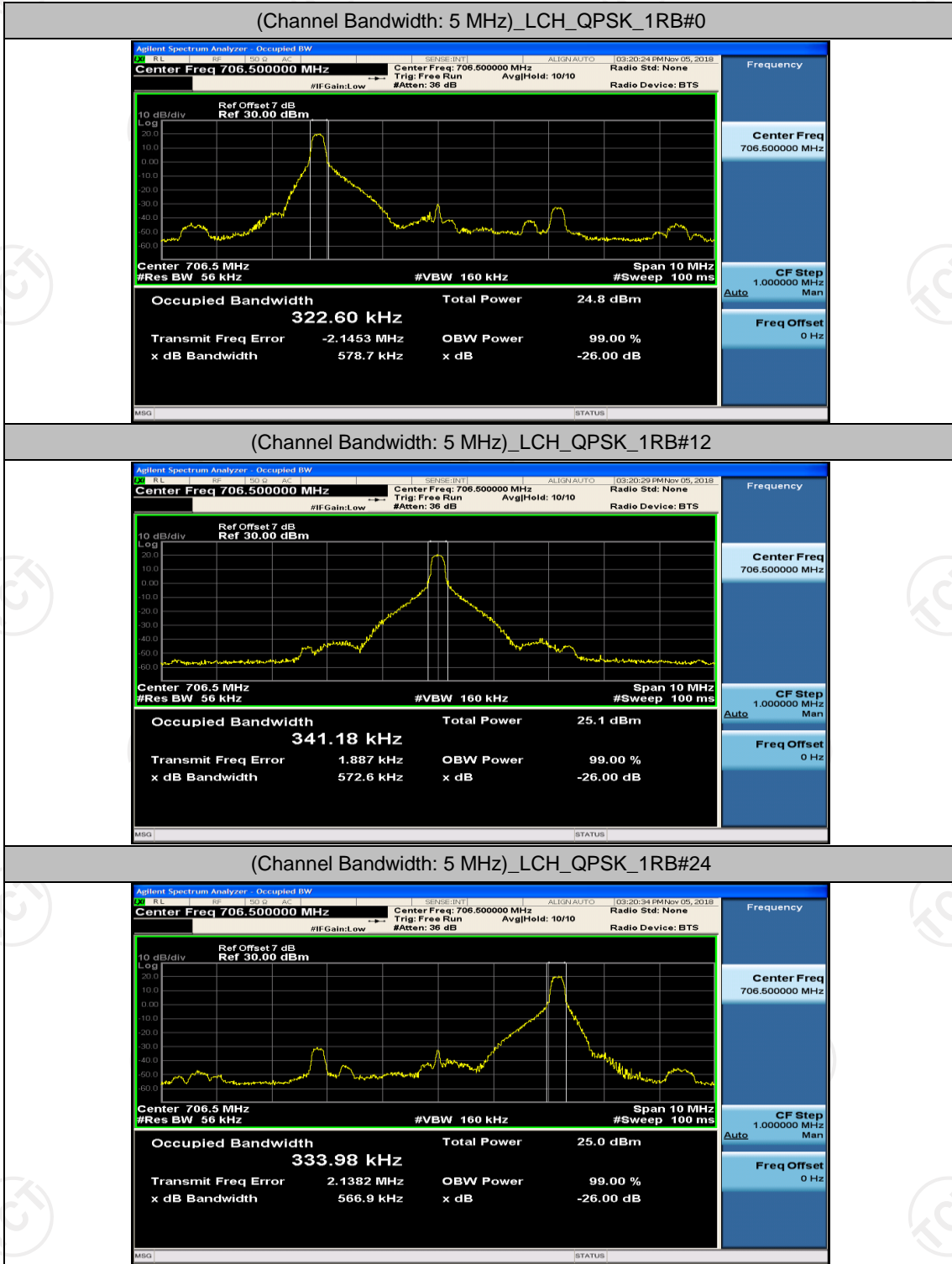
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.43496	0.7044	PASS
		1	25	0.44542	0.7303	PASS
		1	49	0.43041	0.6735	PASS
		25	0	4.5219	4.976	PASS
		25	12	4.5066	4.979	PASS
		25	25	4.5233	5.029	PASS
		50	0	8.9145	9.433	PASS
	MCH	1	0	0.43774	0.6755	PASS
		1	25	0.44283	0.7301	PASS
		1	49	0.43681	0.6898	PASS
		25	0	4.5068	4.983	PASS
		25	12	4.5072	5.111	PASS
		25	25	4.5162	4.986	PASS
		50	0	8.9240	9.397	PASS
	HCH	1	0	0.43775	0.6739	PASS
		1	25	0.44770	0.6718	PASS
		1	49	0.44040	0.7327	PASS
		25	0	4.5044	4.919	PASS
		25	12	4.5129	5.027	PASS
		25	25	4.5220	5.105	PASS
		50	0	8.9367	9.419	PASS
16QAM	LCH	1	0	0.43390	0.6384	PASS
		1	25	0.44780	0.7122	PASS

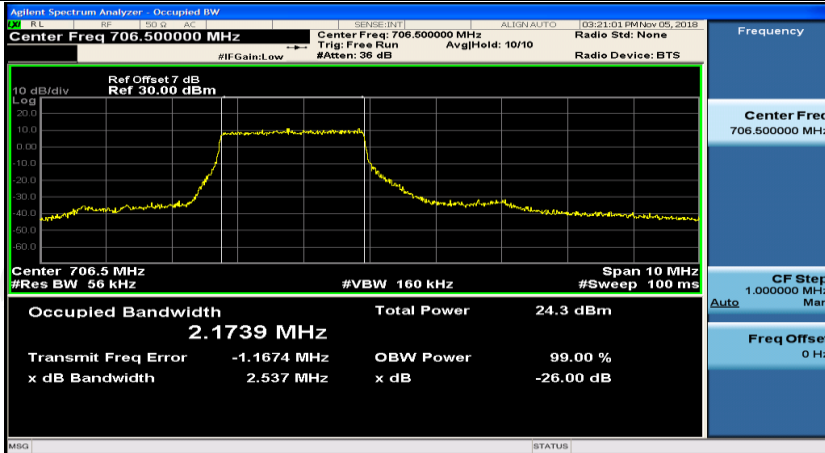
		1	49	0.44931	0.6370	PASS
		25	0	4.5000	4.947	PASS
		25	12	4.5101	5.018	PASS
		25	25	4.5077	5.018	PASS
		50	0	8.9117	9.434	PASS
	MCH	1	0	0.44177	0.6816	PASS
		1	25	0.44804	0.7070	PASS
		1	49	0.42890	0.6626	PASS
		25	0	4.5004	5.069	PASS
		25	12	4.5101	5.172	PASS
		25	25	4.5120	5.019	PASS
		50	0	8.9254	9.381	PASS
	HCH	1	0	0.45320	0.6328	PASS
		1	25	0.47082	0.7318	PASS
		1	49	0.43301	0.6666	PASS
		25	0	4.5062	4.984	PASS
		25	12	4.5189	5.148	PASS
		25	25	4.5253	5.058	PASS
		50	0	8.9345	9.401	PASS

Test Graphs

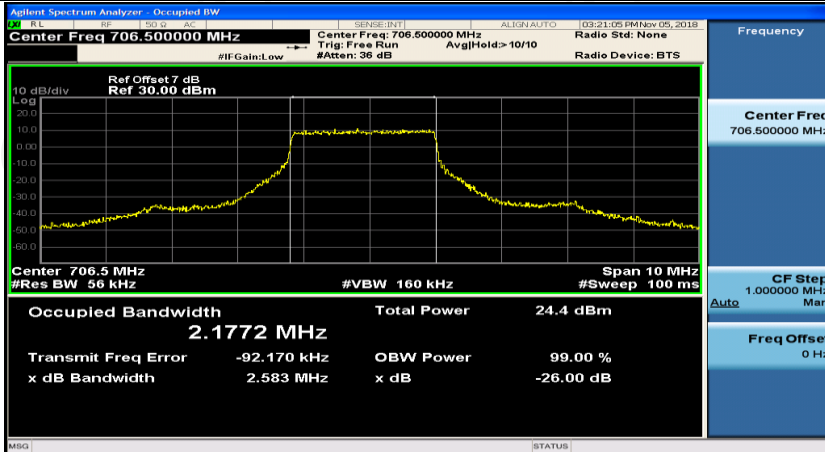
Channel Bandwidth: 5 MHz



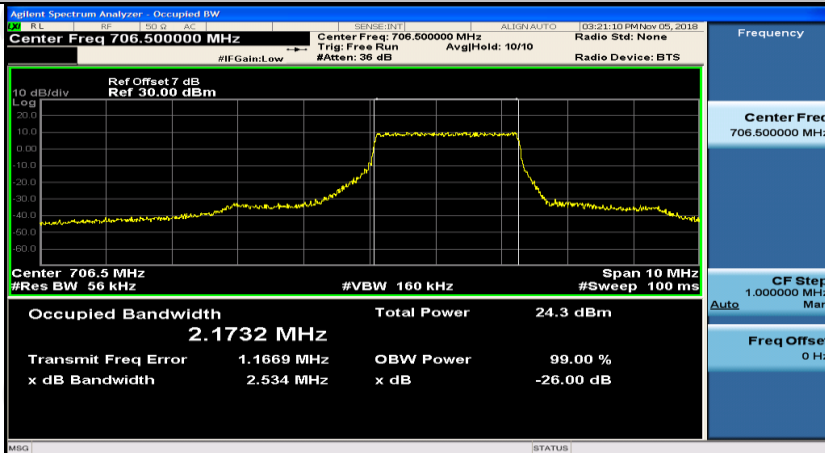
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



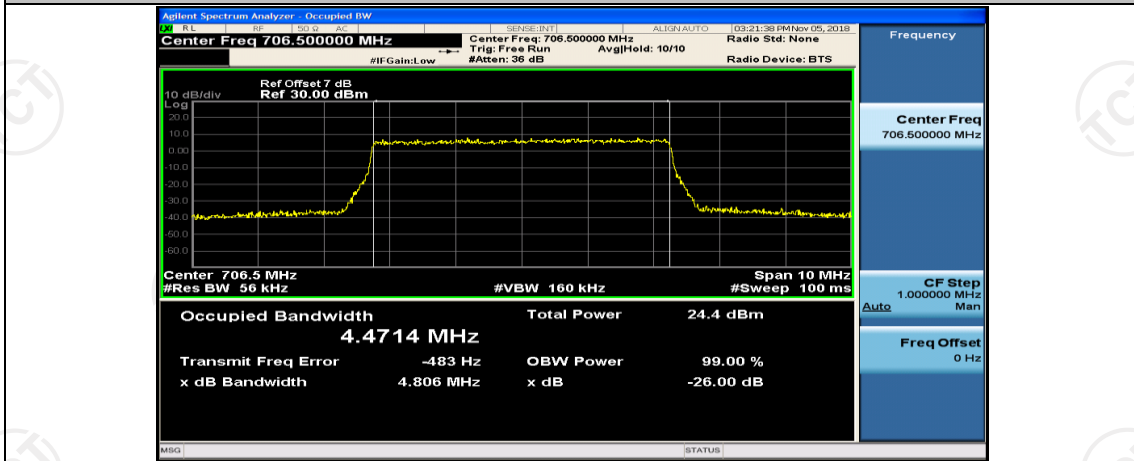
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



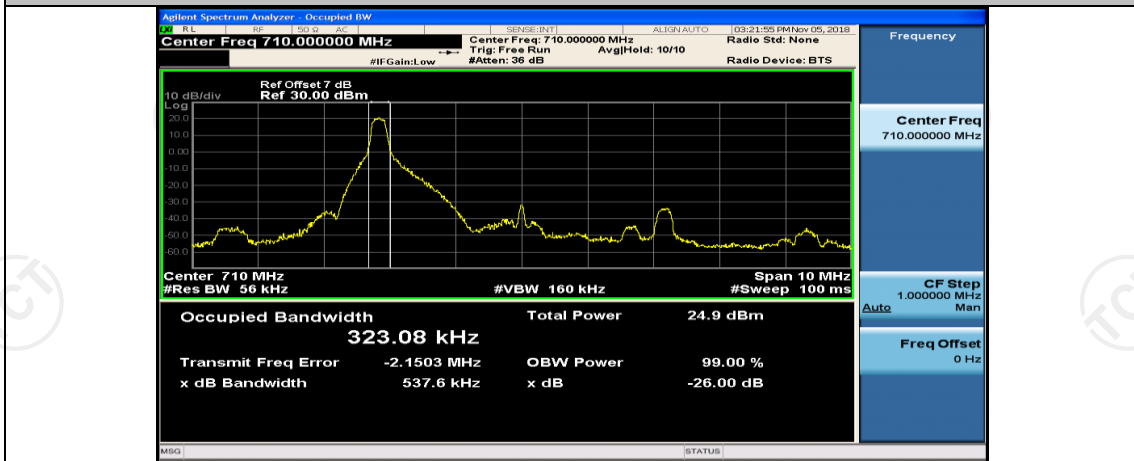
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



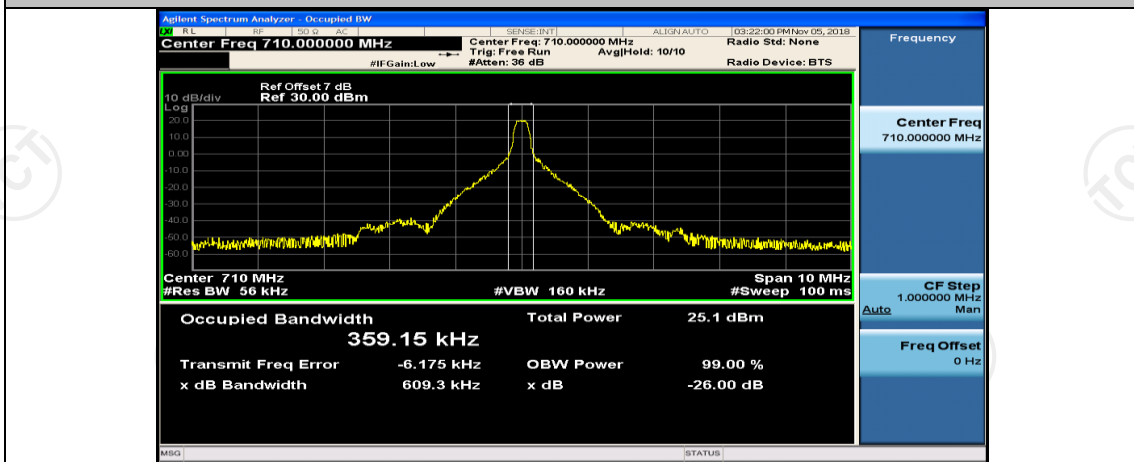
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24