

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.43	PASS
		1	12	24.77	PASS
		1	24	24.52	PASS
		12	0	24.80	PASS
		12	6	24.93	PASS
		12	13	24.47	PASS
		25	0	24.77	PASS
	MCH	1	0	24.98	PASS
		1	12	25.05	PASS
		1	24	24.84	PASS
		12	0	25.03	PASS
		12	6	25.06	PASS
		12	13	24.93	PASS
		25	0	25.02	PASS
	HCH	1	0	23.90	PASS
		1	12	24.04	PASS
		1	24	23.87	PASS
		12	0	24.30	PASS
		12	6	24.36	PASS
		12	13	24.25	PASS
		25	0	24.24	PASS
16QAM	LCH	1	0	24.44	PASS
		1	12	24.58	PASS
		1	24	24.29	PASS
		12	0	24.03	PASS
		12	6	24.20	PASS
		12	13	23.67	PASS
		25	0	24.09	PASS
	MCH	1	0	24.64	PASS

		1	12	24.71	PASS
		1	24	24.53	PASS
		12	0	24.21	PASS
		12	6	24.25	PASS
		12	13	24.12	PASS
		25	0	24.16	PASS
	HCH	1	0	24.00	PASS
		1	12	24.04	PASS
		1	24	23.86	PASS
		12	0	23.57	PASS
		12	6	23.66	PASS
		12	13	23.59	PASS
		25	0	23.57	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.89	PASS
		1	24	24.34	PASS
		1	49	23.64	PASS
		25	0	24.41	PASS
		25	12	24.50	PASS
		25	25	24.59	PASS
		50	0	24.51	PASS
	MCH	1	0	24.70	PASS
		1	24	24.72	PASS
		1	49	24.44	PASS
		25	0	25.11	PASS
		25	12	24.96	PASS
		25	25	24.98	PASS
		50	0	25.07	PASS
	HCH	1	0	23.94	PASS
		1	24	23.98	PASS
		1	49	23.79	PASS
		25	0	24.41	PASS
		25	12	24.36	PASS
		25	25	24.36	PASS
		50	0	24.36	PASS
16QAM	LCH	1	0	24.18	PASS
		1	24	24.29	PASS
		1	49	23.37	PASS
		25	0	23.56	PASS

		25	12	23.66	PASS
		25	25	23.80	PASS
		50	0	23.69	PASS
	MCH	1	0	24.64	PASS
		1	24	24.84	PASS
		1	49	24.25	PASS
		25	0	24.26	PASS
		25	12	24.16	PASS
		25	25	24.12	PASS
		50	0	24.21	PASS
	HCH	1	0	23.77	PASS
		1	24	24.28	PASS
		1	49	23.96	PASS
		25	0	23.67	PASS
		25	12	23.62	PASS
		25	25	23.66	PASS
		50	0	23.67	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.57	PASS
		1	37	24.39	PASS
		1	74	22.48	PASS
		37	0	24.28	PASS
		37	18	24.45	PASS
		37	38	23.30	PASS
		75	0	24.37	PASS
	MCH	1	0	24.53	PASS
		1	37	24.72	PASS
		1	74	24.08	PASS
		37	0	24.77	PASS
		37	18	24.96	PASS
		37	38	24.36	PASS
		75	0	24.94	PASS
	HCH	1	0	23.36	PASS
		1	37	24.15	PASS
		1	74	23.63	PASS
		37	0	23.89	PASS
		37	18	23.82	PASS
		37	38	24.29	PASS
		75	0	23.80	PASS

16QAM	LCH	1	0	23.94	PASS
		1	37	24.34	PASS
		1	74	22.66	PASS
		37	0	23.43	PASS
		37	18	23.62	PASS
		37	38	22.46	PASS
		75	0	23.54	PASS
	MCH	1	0	24.47	PASS
		1	37	24.83	PASS
		1	74	23.90	PASS
		37	0	24.01	PASS
		37	18	24.11	PASS
		37	38	23.61	PASS
		75	0	24.04	PASS
	HCH	1	0	23.03	PASS
		1	37	23.89	PASS
		1	74	23.87	PASS
		37	0	23.12	PASS
		37	18	23.06	PASS
		37	38	23.61	PASS
		75	0	23.00	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	25.13	PASS
		1	49	23.94	PASS
		1	99	23.79	PASS
		50	0	24.41	PASS
		50	25	23.45	PASS
		50	50	22.85	PASS
		100	0	23.56	PASS
	MCH	1	0	24.91	PASS
		1	49	24.85	PASS
		1	99	24.36	PASS
		50	0	24.87	PASS
		50	25	25.01	PASS
		50	50	24.41	PASS
		100	0	25.05	PASS
	HCH	1	0	24.03	PASS
		1	49	24.23	PASS
		1	99	24.17	PASS

		50	0	23.30	PASS
		50	25	23.97	PASS
		50	50	24.36	PASS
		100	0	24.03	PASS
16QAM	LCH	1	0	24.40	PASS
		1	49	23.52	PASS
		1	99	23.49	PASS
		50	0	23.57	PASS
		50	25	22.58	PASS
		50	50	21.89	PASS
		100	0	22.56	PASS
	MCH	1	0	24.56	PASS
		1	49	24.87	PASS
		1	99	24.05	PASS
		50	0	24.06	PASS
		50	25	24.13	PASS
		50	50	23.62	PASS
		100	0	24.10	PASS
	HCH	1	0	23.79	PASS
		1	49	24.01	PASS
		1	99	24.28	PASS
		50	0	22.49	PASS
		50	25	23.21	PASS
		50	50	23.69	PASS
		100	0	23.14	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	2.5	<13	PASS
		1	12	1.99	<13	PASS
		1	24	1.95	<13	PASS
		12	0	2.2	<13	PASS
		12	6	1.98	<13	PASS
		12	13	2.35	<13	PASS
		25	0	2.07	<13	PASS
	MCH	1	0	1.99	<13	PASS
		1	12	2	<13	PASS
		1	24	2.29	<13	PASS
		12	0	2.06	<13	PASS
		12	6	2.07	<13	PASS
		12	13	2.22	<13	PASS
		25	0	2.12	<13	PASS
	HCH	1	0	2.96	<13	PASS
		1	12	2.6	<13	PASS
		1	24	2.26	<13	PASS
		12	0	2.77	<13	PASS
		12	6	2.5	<13	PASS
		12	13	2.3	<13	PASS
		25	0	2.52	<13	PASS
16QAM	LCH	1	0	2.48	<13	PASS
		1	12	2.16	<13	PASS
		1	24	2.43	<13	PASS
		12	0	3	<13	PASS
		12	6	2.76	<13	PASS
		12	13	3.29	<13	PASS
		25	0	2.84	<13	PASS
	MCH	1	0	2.09	<13	PASS

		1	12	2.06	<13	PASS
		1	24	2.36	<13	PASS
		12	0	3.02	<13	PASS
		12	6	2.99	<13	PASS
		12	13	3.17	<13	PASS
		25	0	3.09	<13	PASS
	HCH	1	0	2.76	<13	PASS
		1	12	2.53	<13	PASS
		1	24	2.28	<13	PASS
		12	0	3.61	<13	PASS
		12	6	3.41	<13	PASS
		12	13	3.22	<13	PASS
		25	0	3.46	<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	2.54	<13	PASS
		1	24	1.91	<13	PASS
		1	49	2.94	<13	PASS
		25	0	2.33	<13	PASS
		25	12	2.21	<13	PASS
		25	25	2.11	<13	PASS
		50	0	2.4	<13	PASS
	MCH	1	0	2.05	<13	PASS
		1	24	2.01	<13	PASS
		1	49	2.7	<13	PASS
		25	0	1.93	<13	PASS
		25	12	2.04	<13	PASS
		25	25	2.25	<13	PASS
		50	0	2.25	<13	PASS
	HCH	1	0	2.48	<13	PASS
		1	24	2.76	<13	PASS
		1	49	2.34	<13	PASS
		25	0	2.49	<13	PASS
		25	12	2.67	<13	PASS
		25	25	2.44	<13	PASS
		50	0	2.62	<13	PASS
16QAM	LCH	1	0	2.47	<13	PASS
		1	24	2.23	<13	PASS

		1	49	3.27	<13	PASS
		25	0	3.32	<13	PASS
		25	12	3.11	<13	PASS
		25	25	2.98	<13	PASS
		50	0	3.33	<13	PASS
	MCH	1	0	2.36	<13	PASS
		1	24	2.12	<13	PASS
		1	49	3.05	<13	PASS
		25	0	2.87	<13	PASS
		25	12	3	<13	PASS
		25	25	3.16	<13	PASS
		50	0	3.15	<13	PASS
	HCH	1	0	2.92	<13	PASS
		1	24	2.65	<13	PASS
		1	49	2.33	<13	PASS
		25	0	3.31	<13	PASS
		25	12	3.51	<13	PASS
		25	25	3.36	<13	PASS
		50	0	3.47	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.9	<13	PASS
		1	37	1.92	<13	PASS
		1	74	4.26	<13	PASS
		37	0	2.54	<13	PASS
		37	18	2.37	<13	PASS
		37	38	3.67	<13	PASS
		75	0	3.25	<13	PASS
	MCH	1	0	2.46	<13	PASS
		1	37	2.07	<13	PASS
		1	74	3.21	<13	PASS
		37	0	2.42	<13	PASS
		37	18	2.21	<13	PASS
		37	38	2.98	<13	PASS
		75	0	3.03	<13	PASS
	HCH	1	0	3.1	<13	PASS
		1	37	2.56	<13	PASS
		1	74	2.8	<13	PASS

		37	0	2.86	<13	PASS
		37	18	3.12	<13	PASS
		37	38	2.75	<13	PASS
		75	0	3.76	<13	PASS
16QAM	LCH	1	0	2.82	<13	PASS
		1	37	2.2	<13	PASS
		1	74	4.66	<13	PASS
		37	0	3.47	<13	PASS
		37	18	3.23	<13	PASS
		37	38	4.55	<13	PASS
		75	0	4.07	<13	PASS
	MCH	1	0	2.7	<13	PASS
		1	37	2.13	<13	PASS
		1	74	3.5	<13	PASS
		37	0	3.28	<13	PASS
		37	18	3.12	<13	PASS
		37	38	3.81	<13	PASS
		75	0	3.91	<13	PASS
	HCH	1	0	3.59	<13	PASS
		1	37	2.98	<13	PASS
		1	74	2.67	<13	PASS
		37	0	3.66	<13	PASS
		37	18	3.93	<13	PASS
		37	38	3.59	<13	PASS
		75	0	4.53	<13	PASS

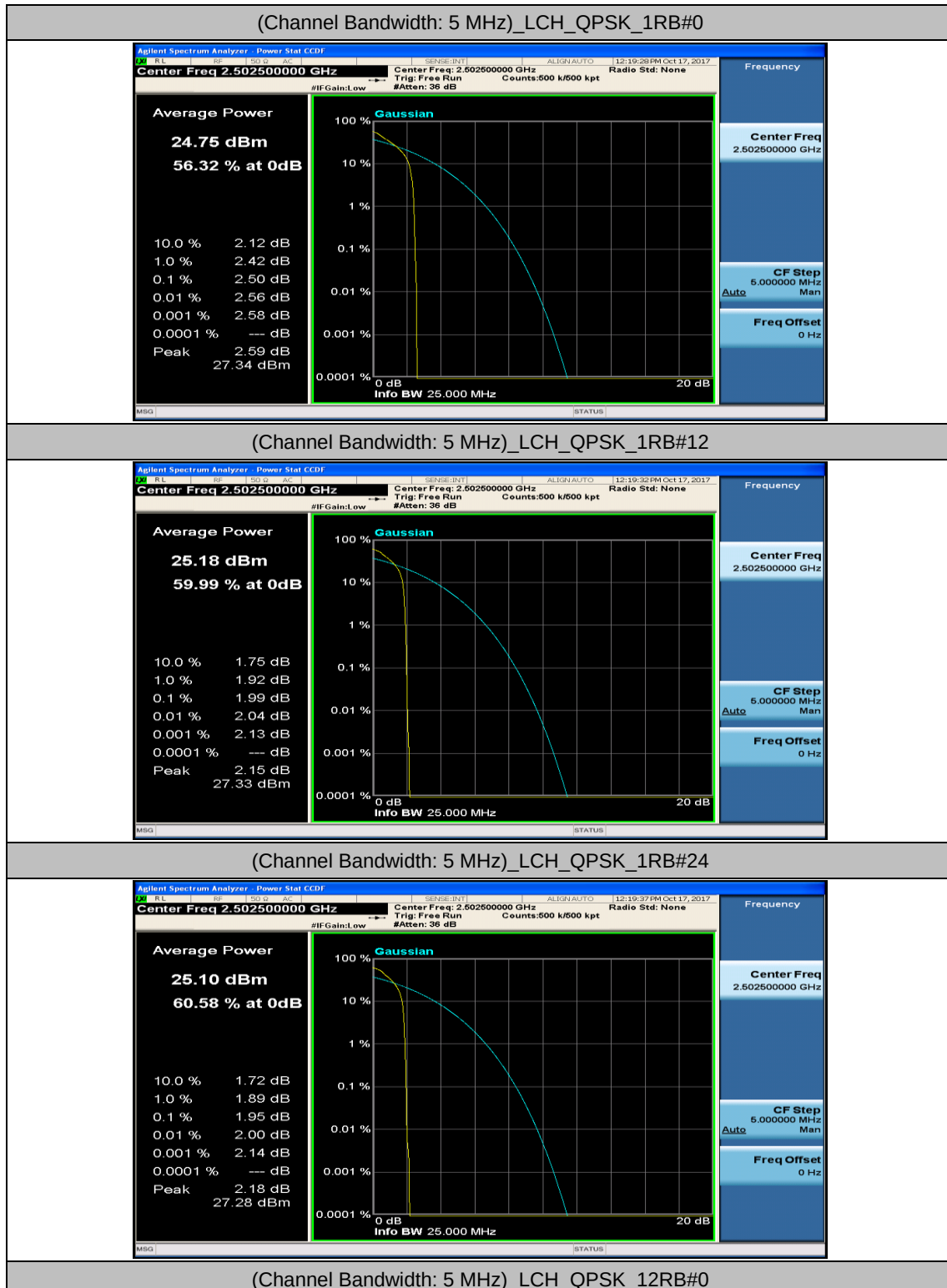
Channel Bandwidth: 20 MHz

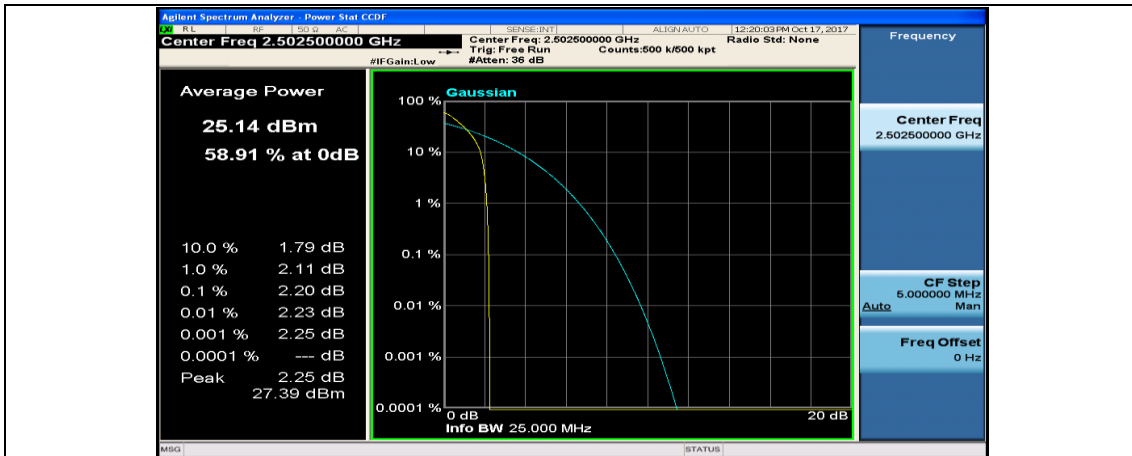
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.3	<13	PASS
		1	49	2.74	<13	PASS
		1	99	3.88	<13	PASS
		50	0	2.73	<13	PASS
		50	25	3.59	<13	PASS
		50	50	4.64	<13	PASS
		100	0	4.48	<13	PASS
	MCH	1	0	2.41	<13	PASS
		1	49	2.04	<13	PASS
		1	99	3.2	<13	PASS
		50	0	2.72	<13	PASS

		50	25	2.31	<13	PASS
		50	50	3.39	<13	PASS
		100	0	3.46	<13	PASS
	HCH	1	0	3.09	<13	PASS
		1	49	2.27	<13	PASS
		1	99	2.38	<13	PASS
		50	0	3.79	<13	PASS
		50	25	2.96	<13	PASS
		50	50	3.02	<13	PASS
		100	0	4.02	<13	PASS
16QAM	LCH	1	0	2.82	<13	PASS
		1	49	3.03	<13	PASS
		1	99	4.01	<13	PASS
		50	0	3.58	<13	PASS
		50	25	4.45	<13	PASS
		50	50	5.47	<13	PASS
		100	0	5.27	<13	PASS
	MCH	1	0	2.78	<13	PASS
		1	49	2.03	<13	PASS
		1	99	3.63	<13	PASS
		50	0	3.55	<13	PASS
		50	25	3.2	<13	PASS
		50	50	4.18	<13	PASS
		100	0	4.33	<13	PASS
	HCH	1	0	3.47	<13	PASS
		1	49	2.59	<13	PASS
		1	99	3.05	<13	PASS
		50	0	4.63	<13	PASS
		50	25	3.75	<13	PASS
		50	50	3.77	<13	PASS
		100	0	4.76	<13	PASS

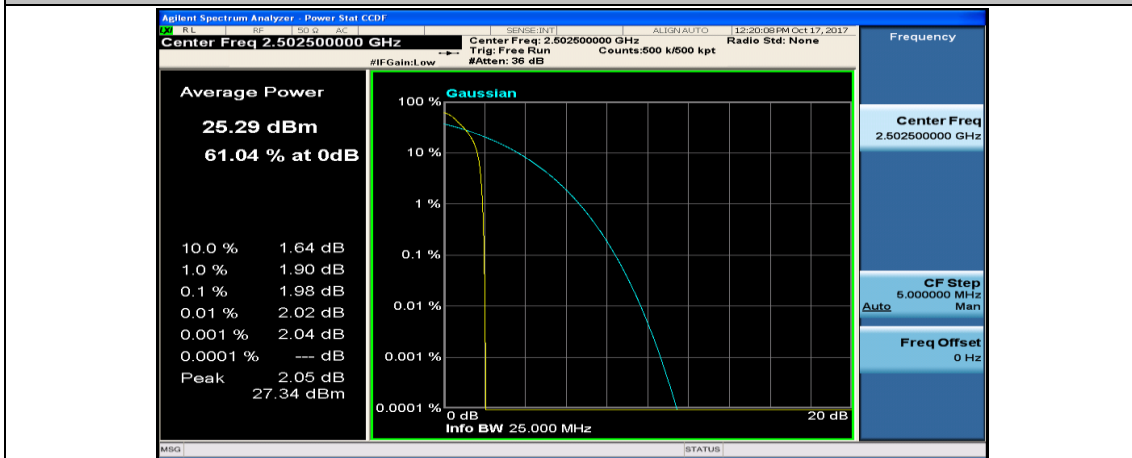
Test Graphs

Channel Bandwidth: 5 MHz

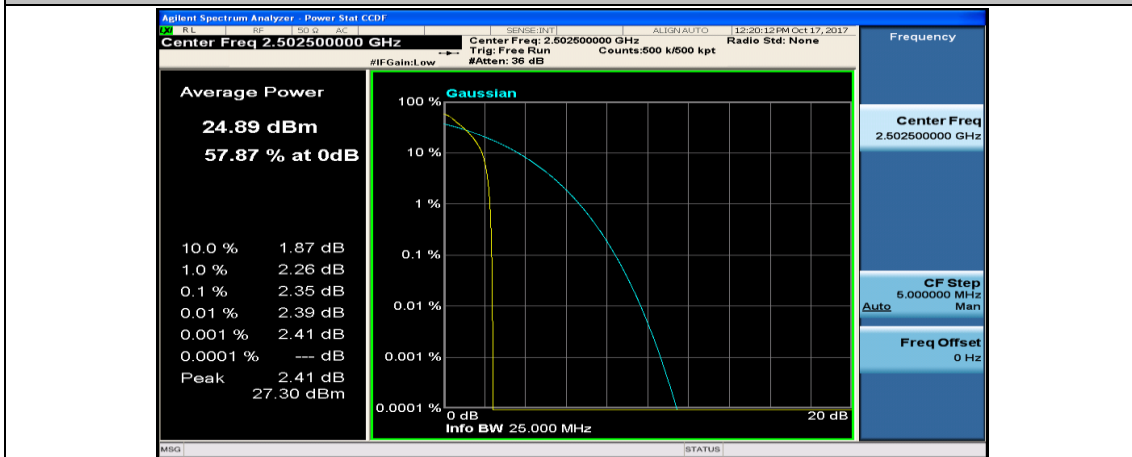




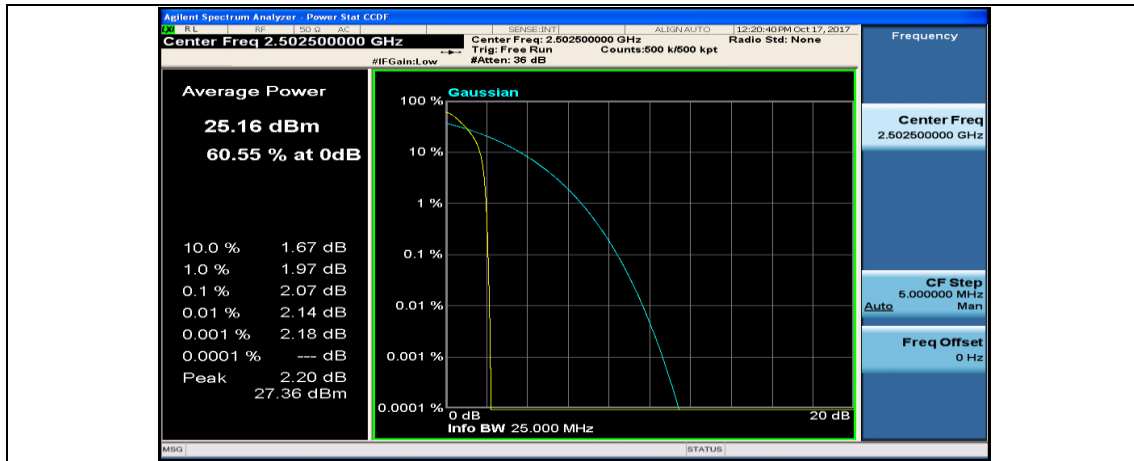
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



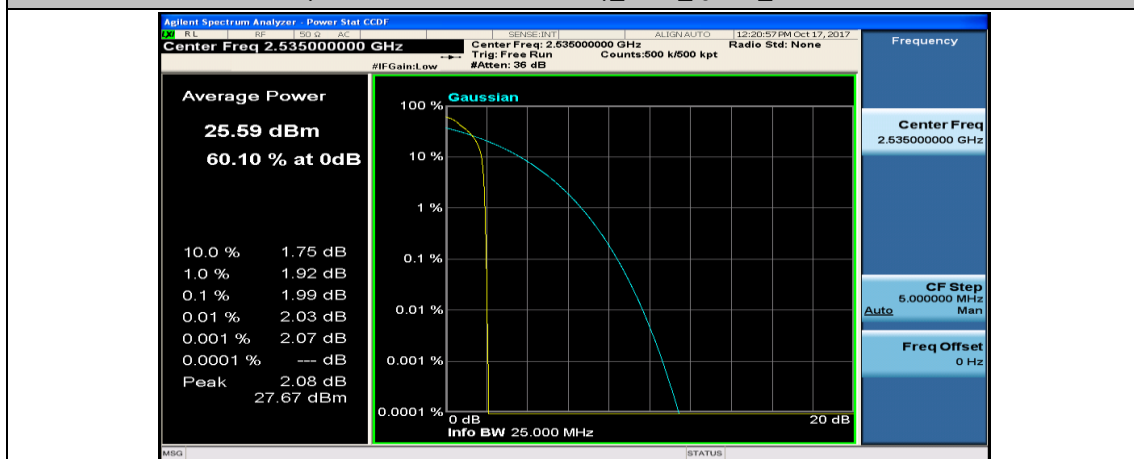
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



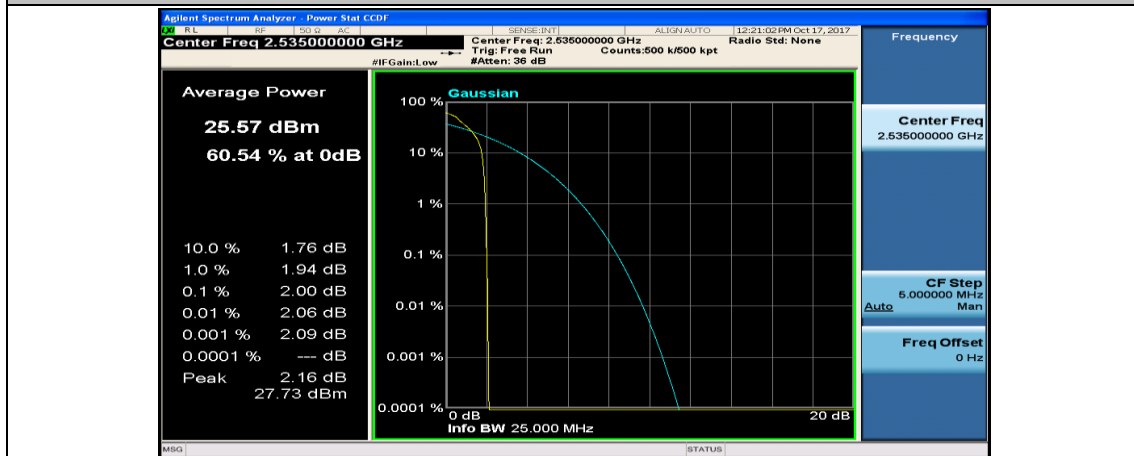
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



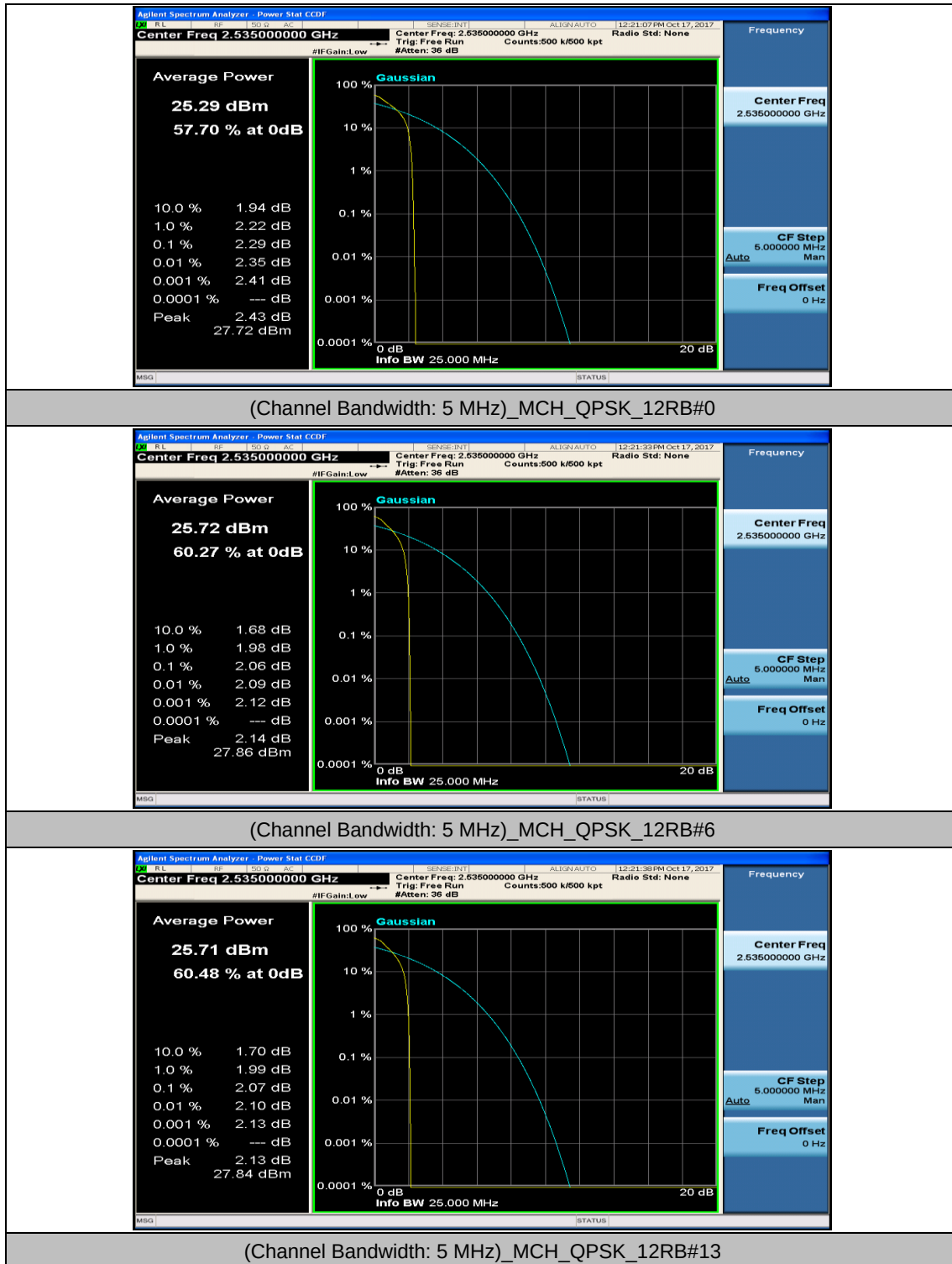
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

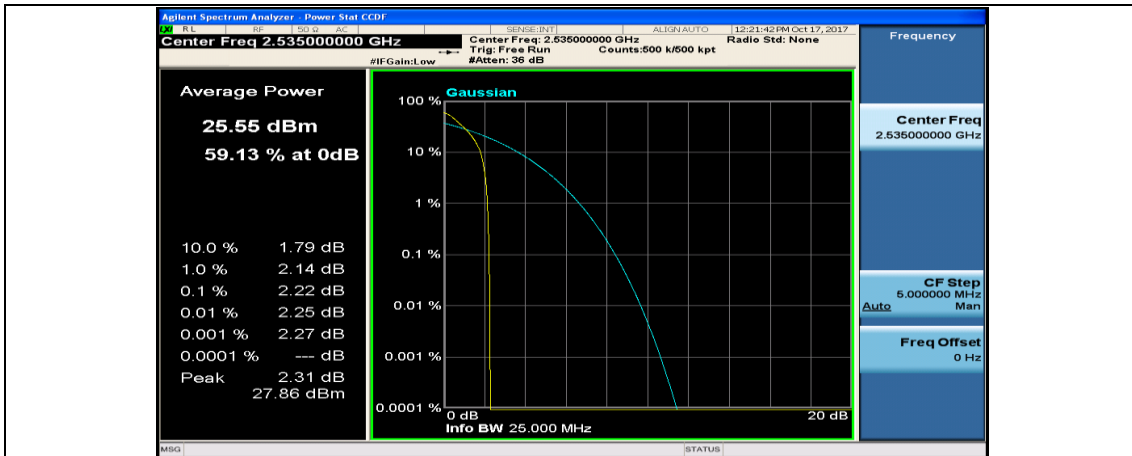


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

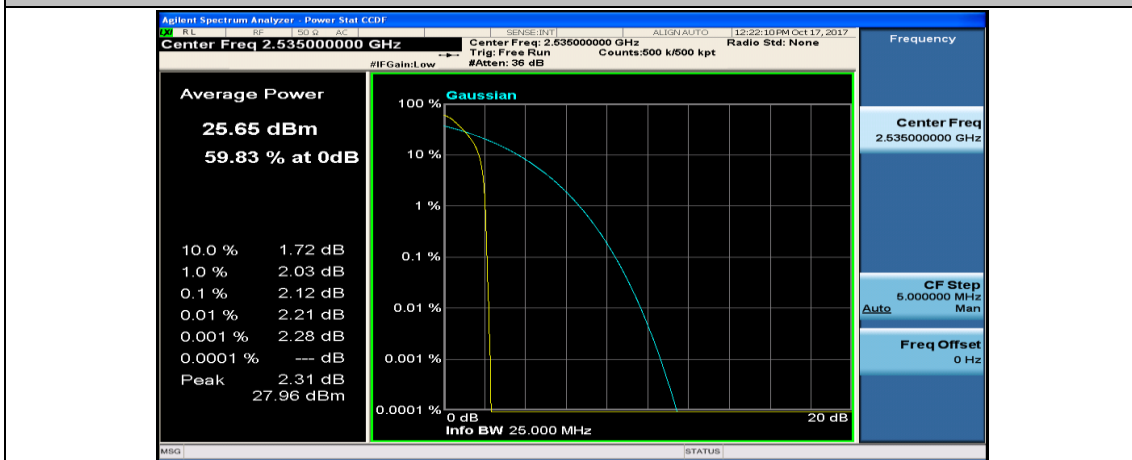


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

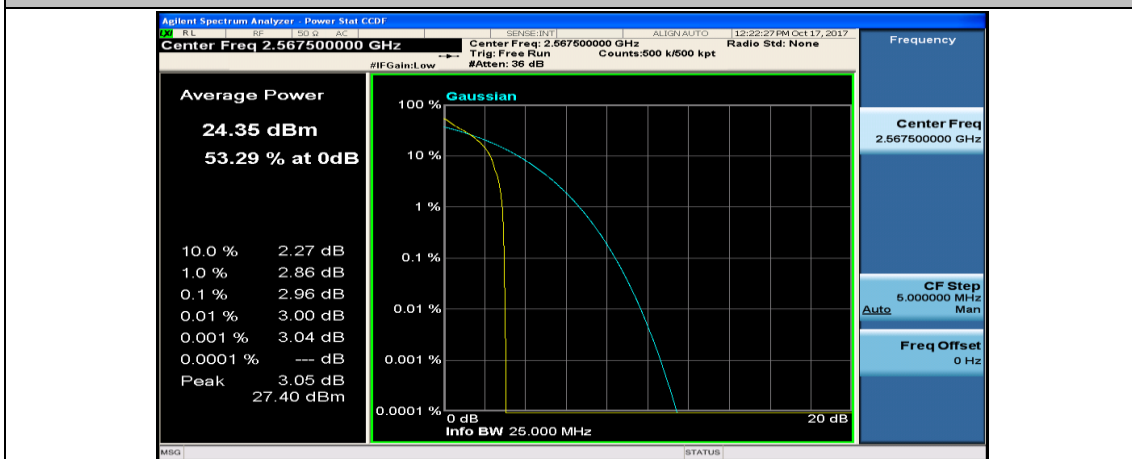




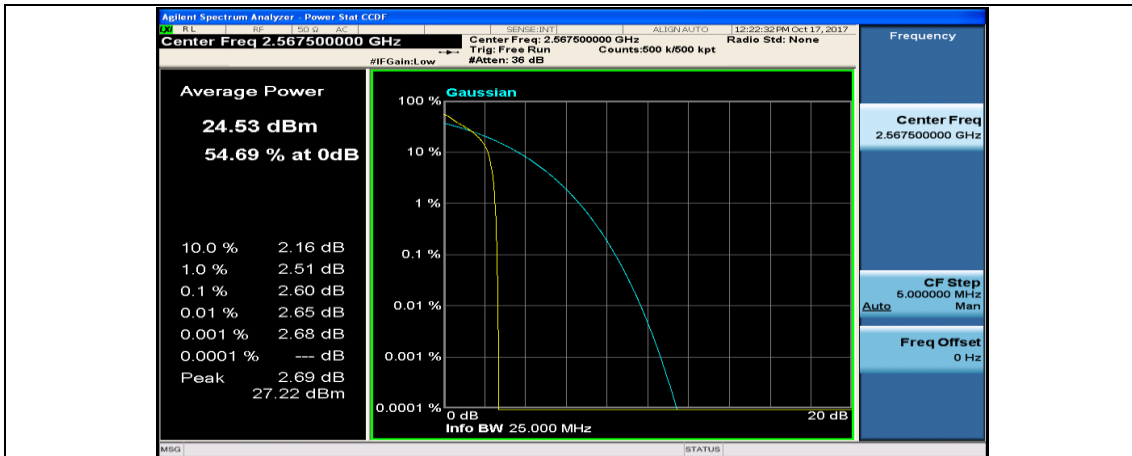
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



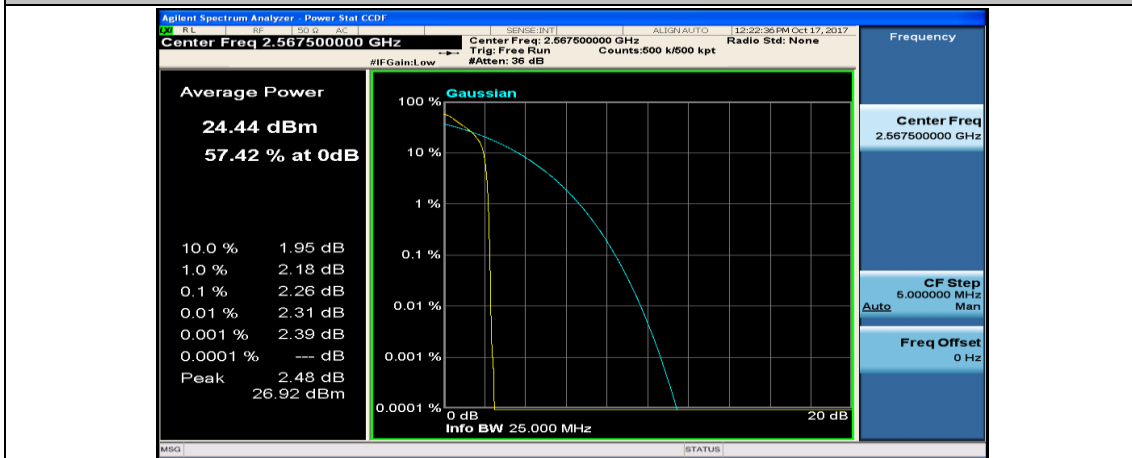
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



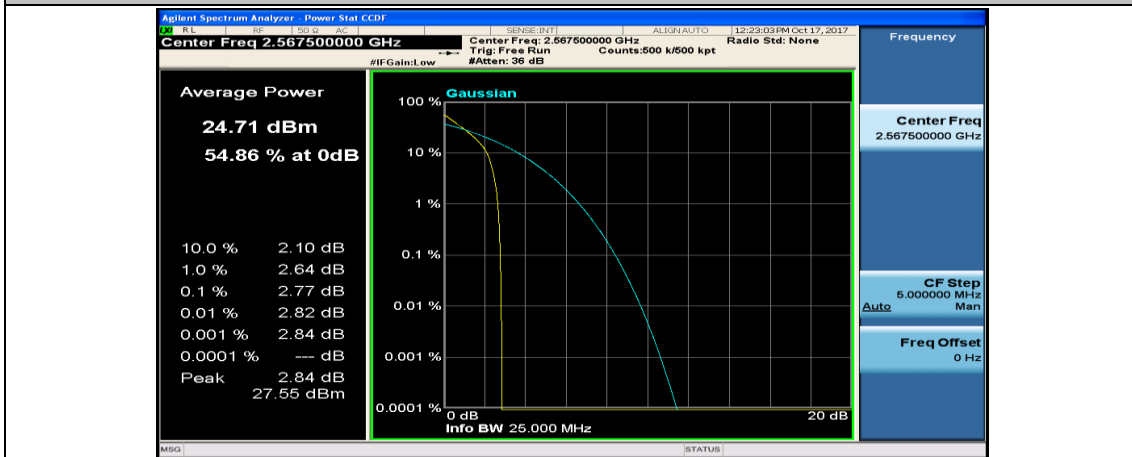
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



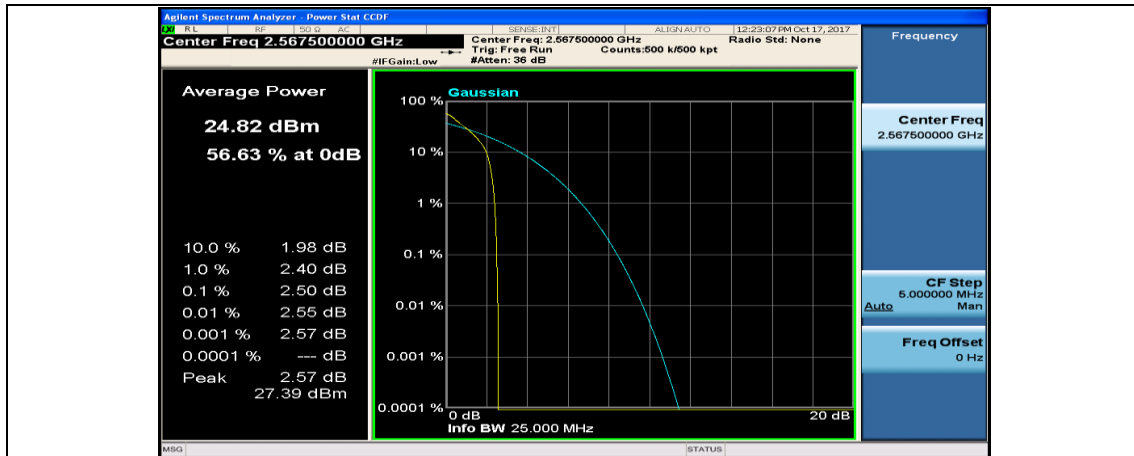
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



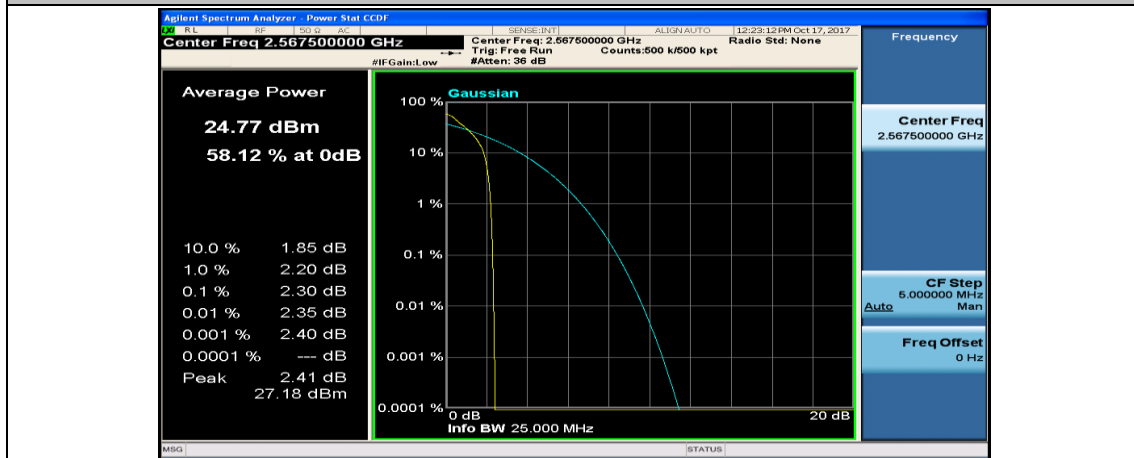
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



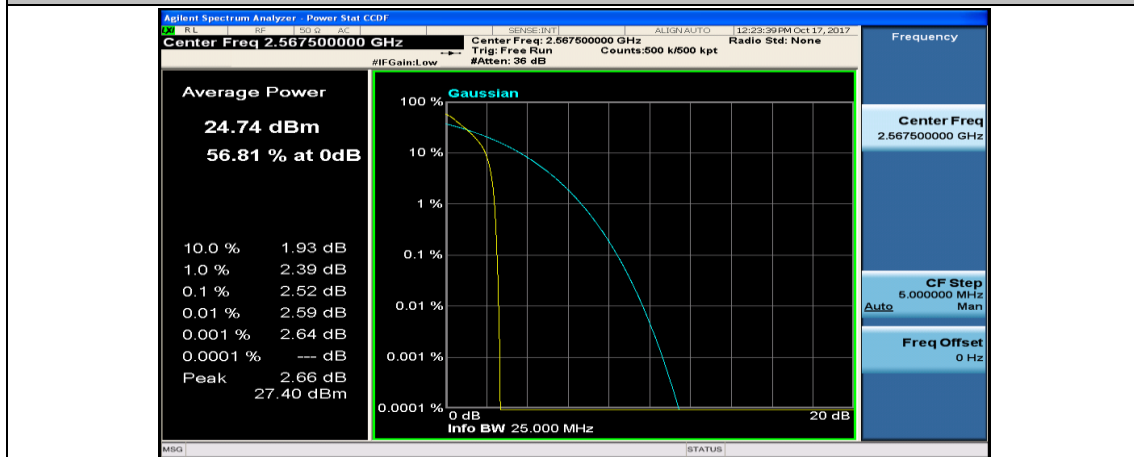
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



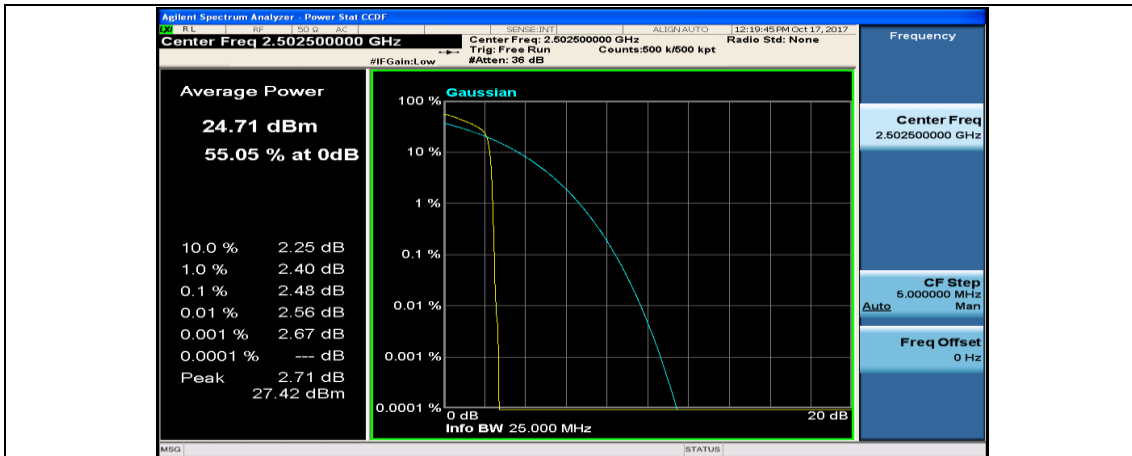
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



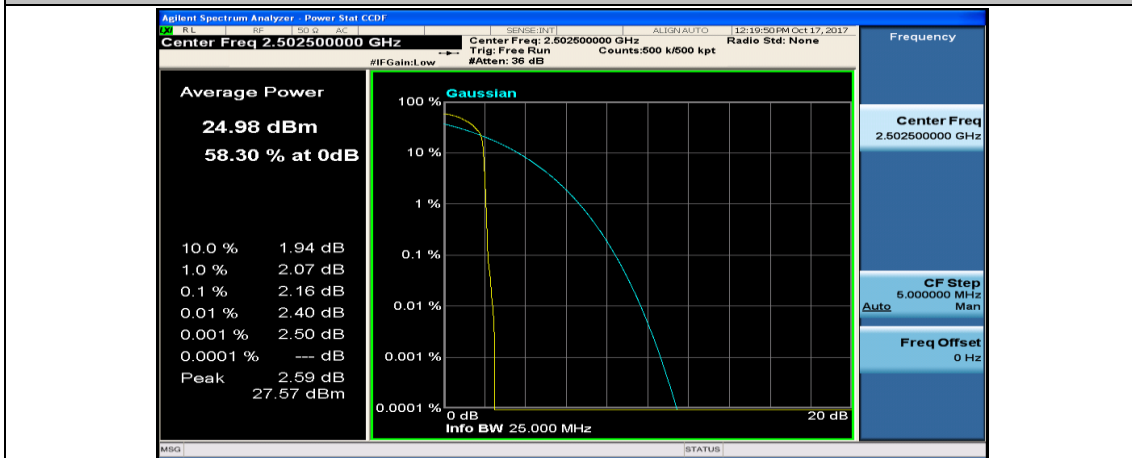
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



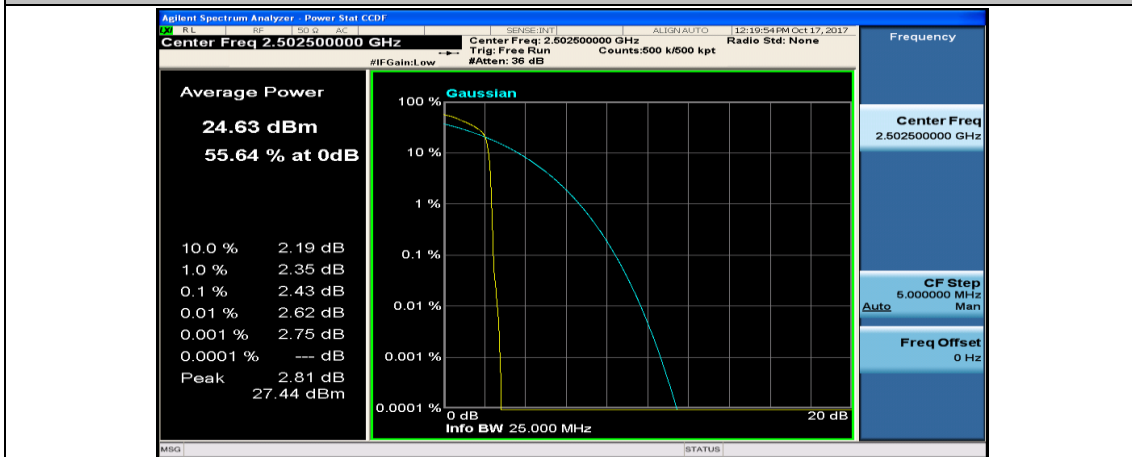
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



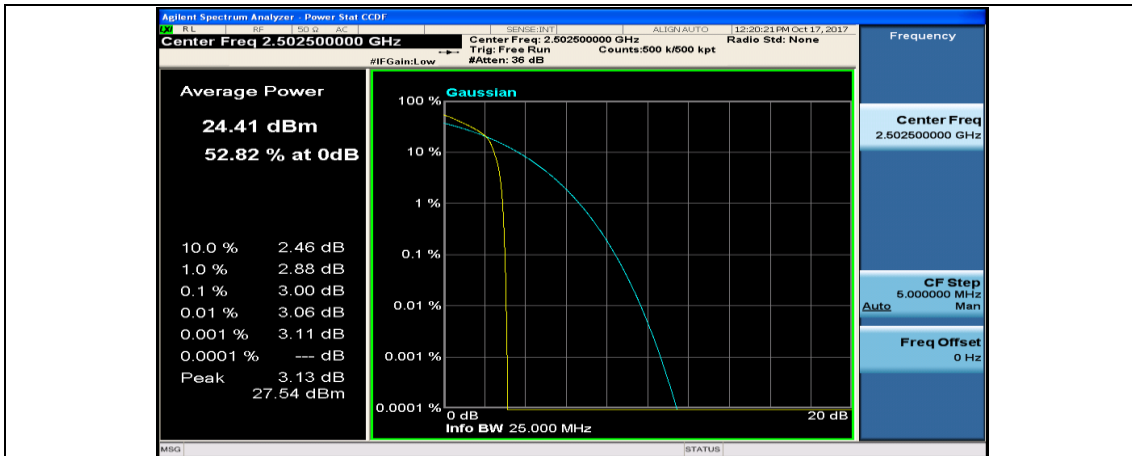
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



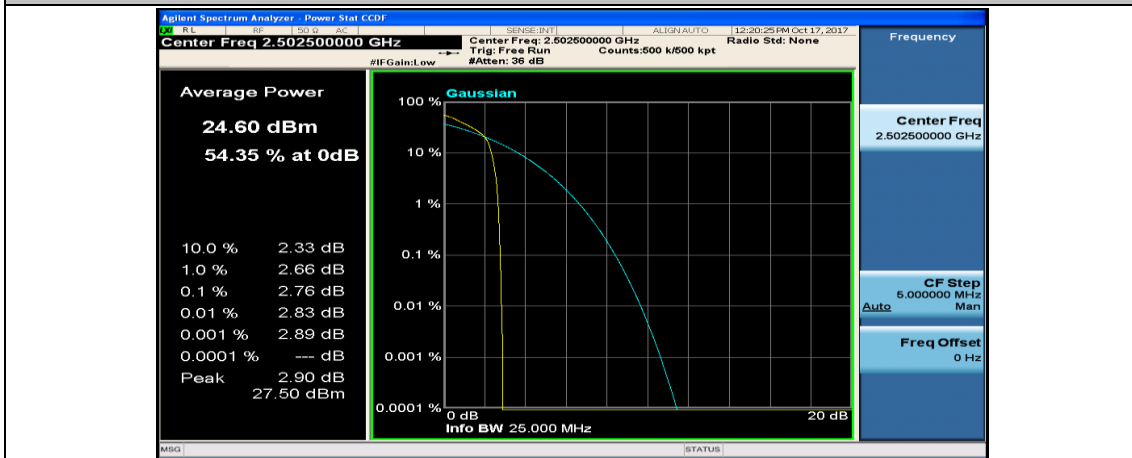
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



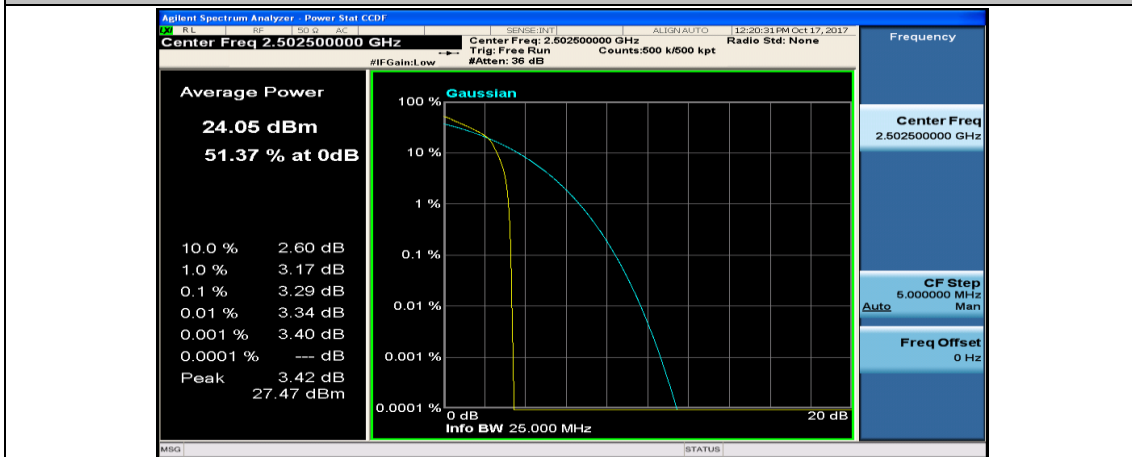
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



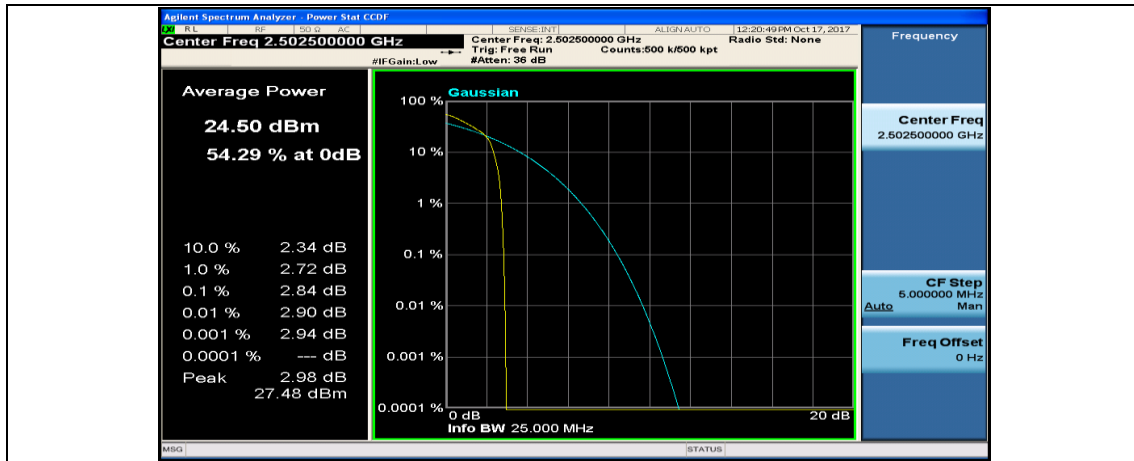
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



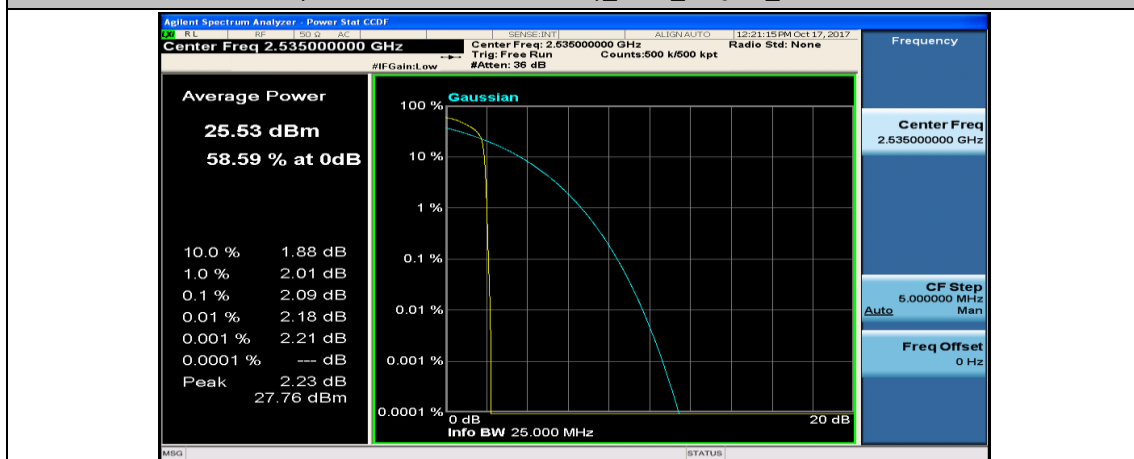
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



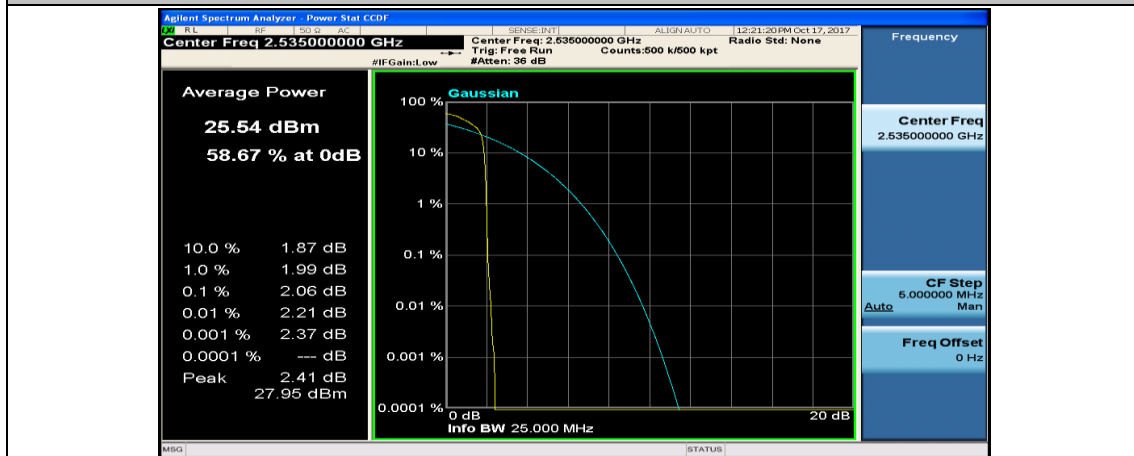
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



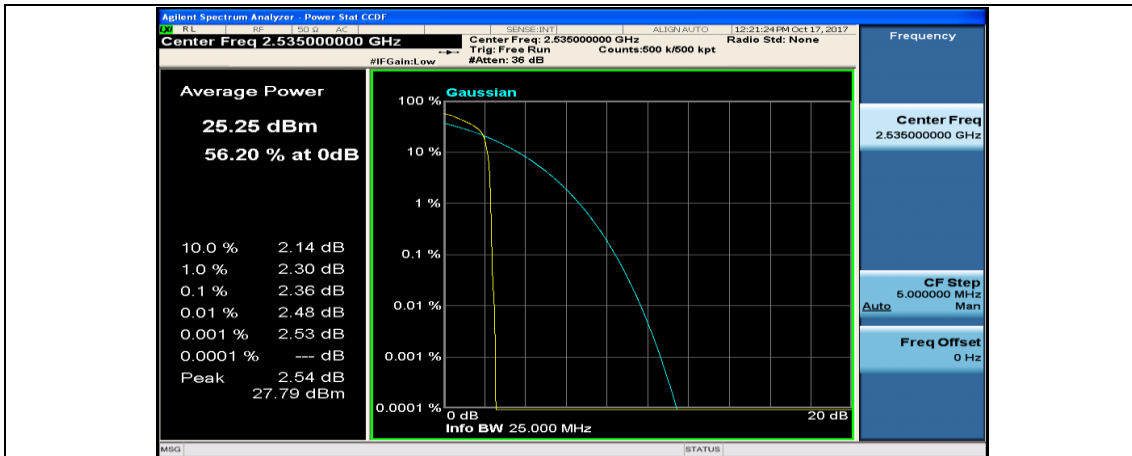
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



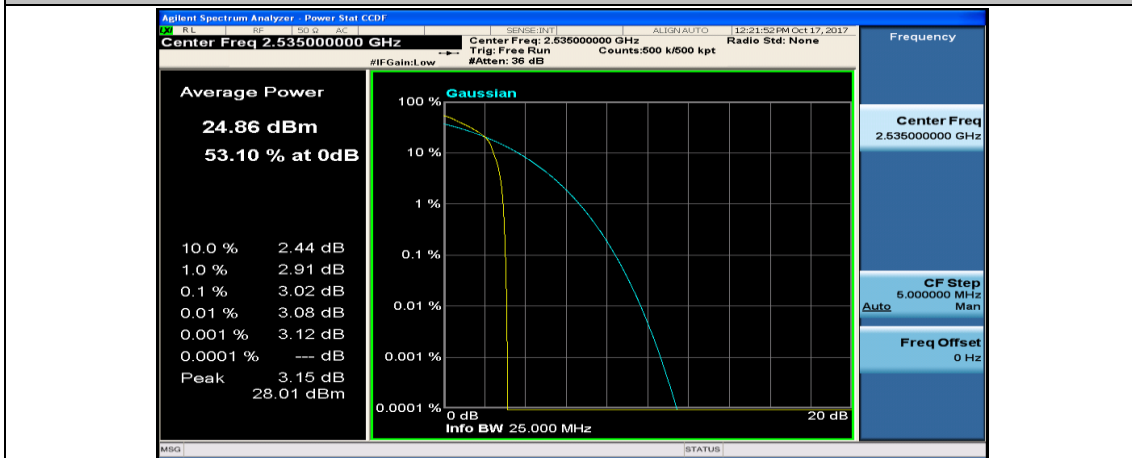
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



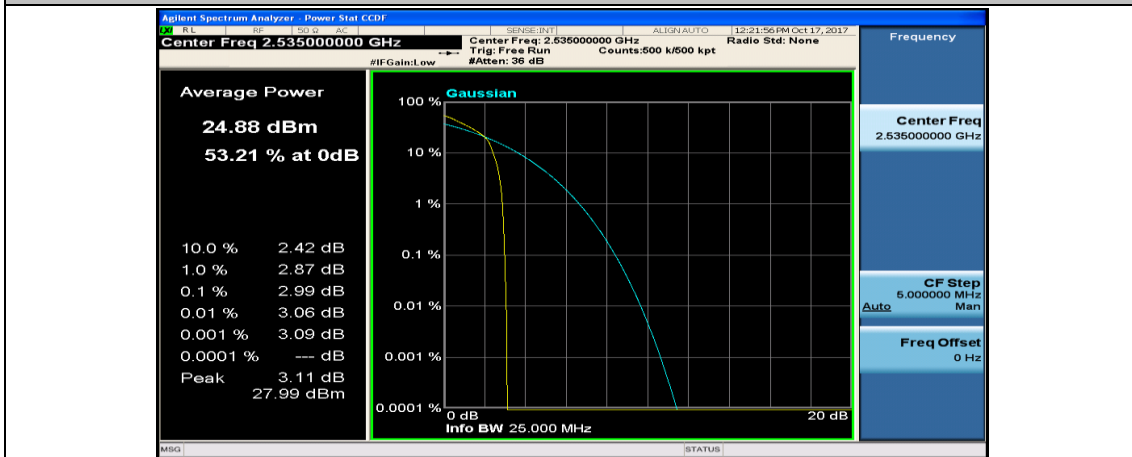
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



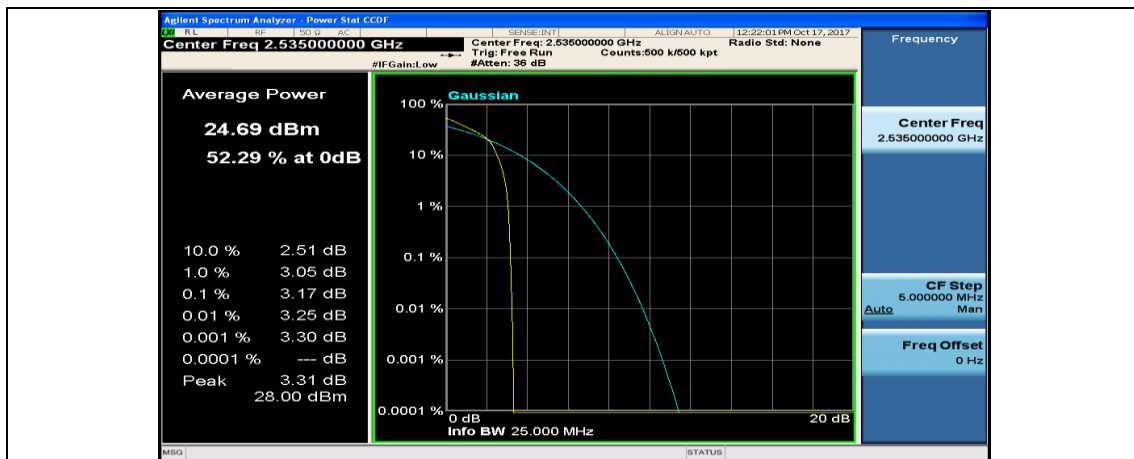
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



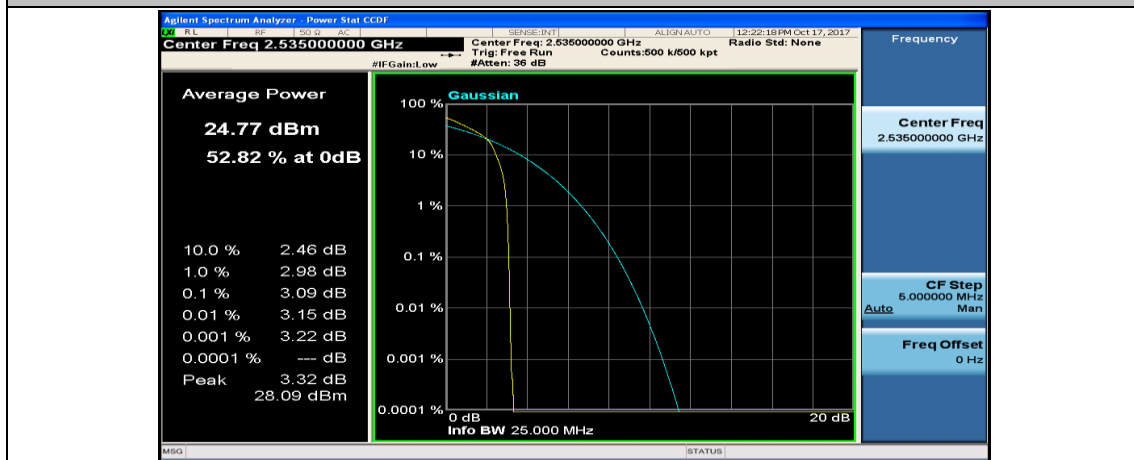
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



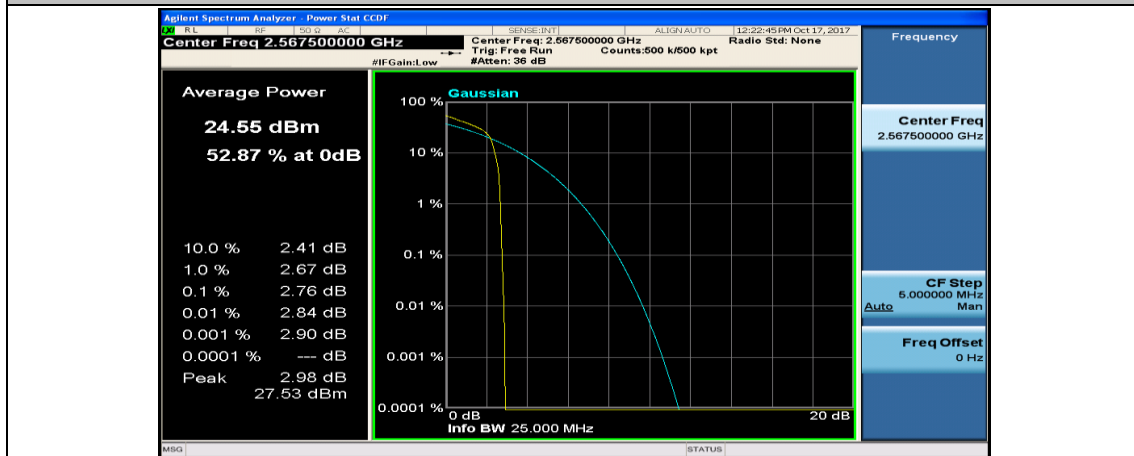
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



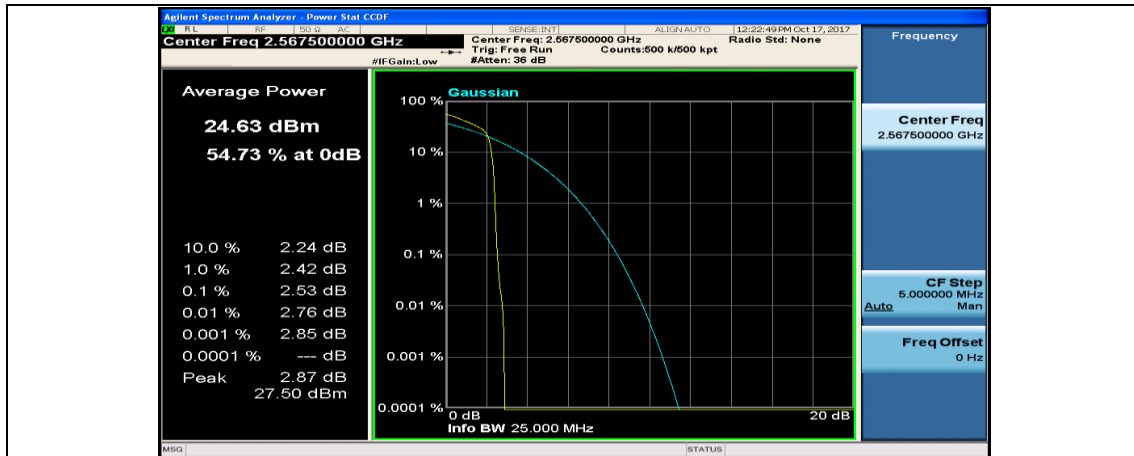
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



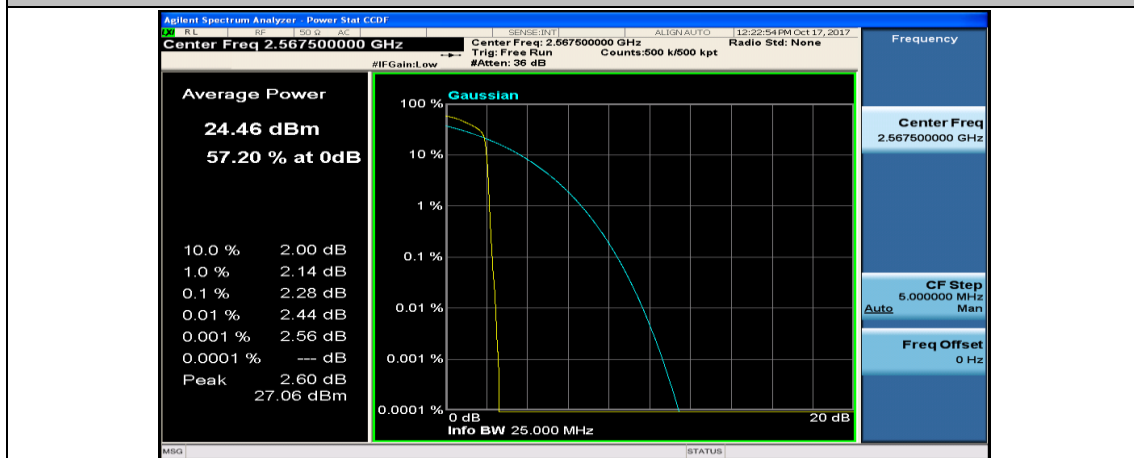
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



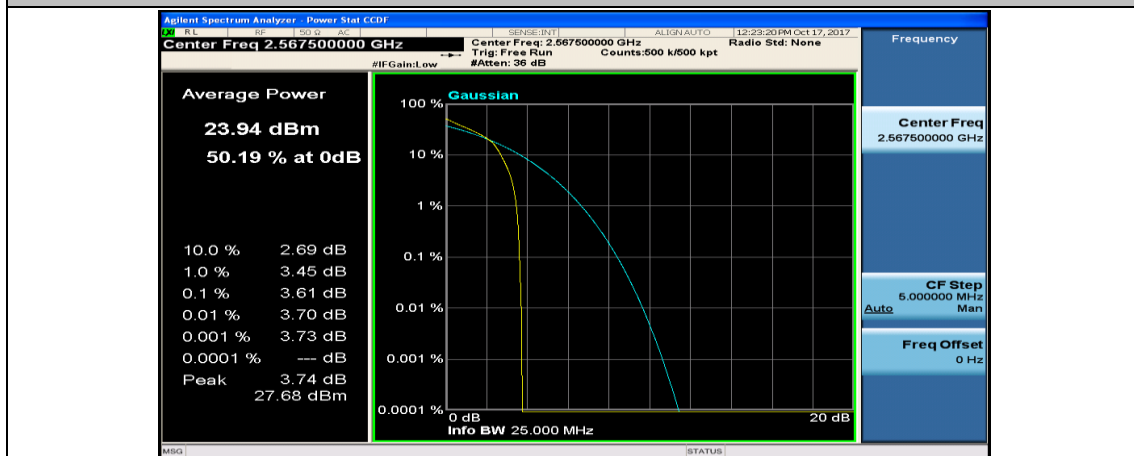
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



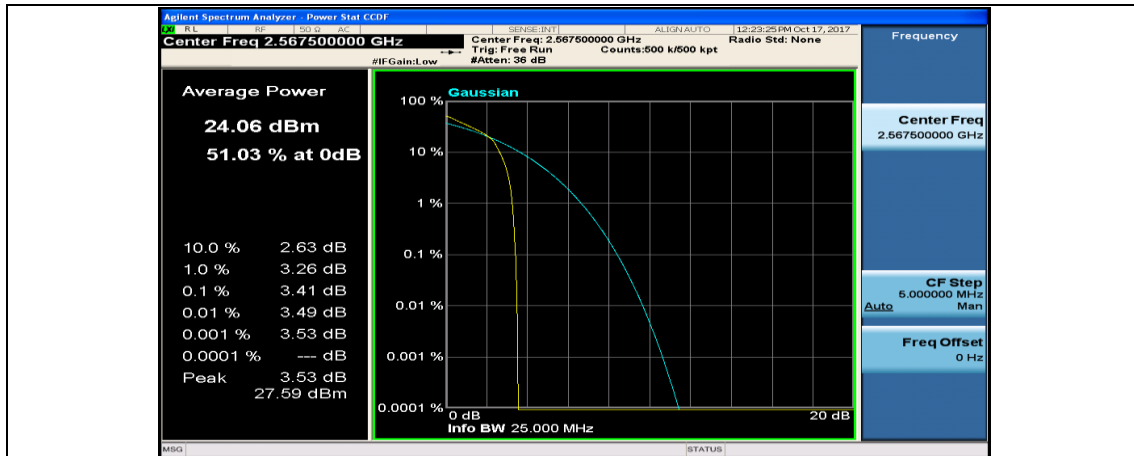
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



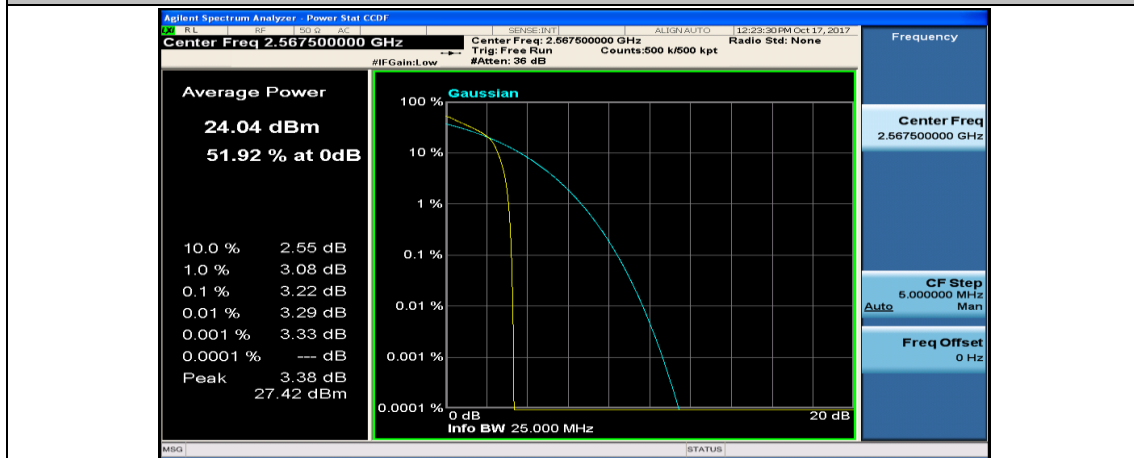
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



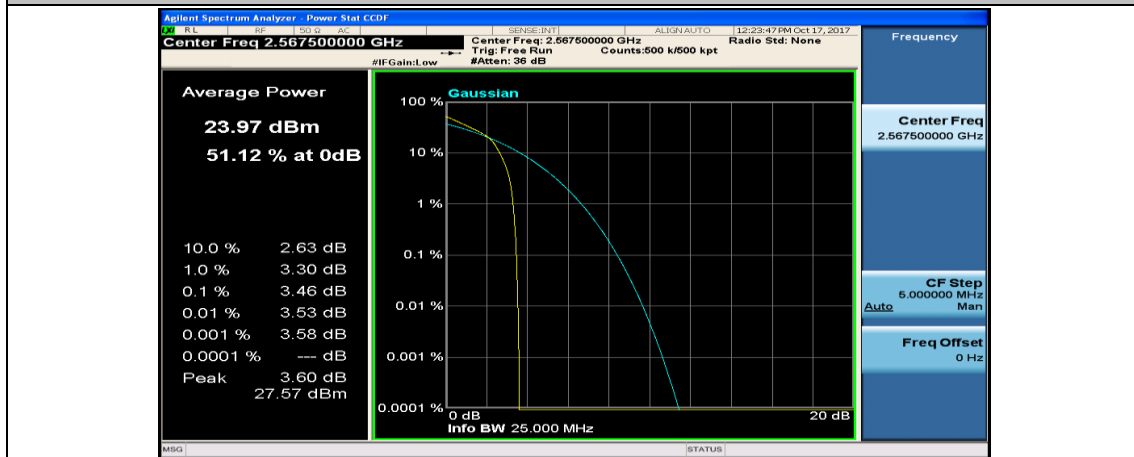
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

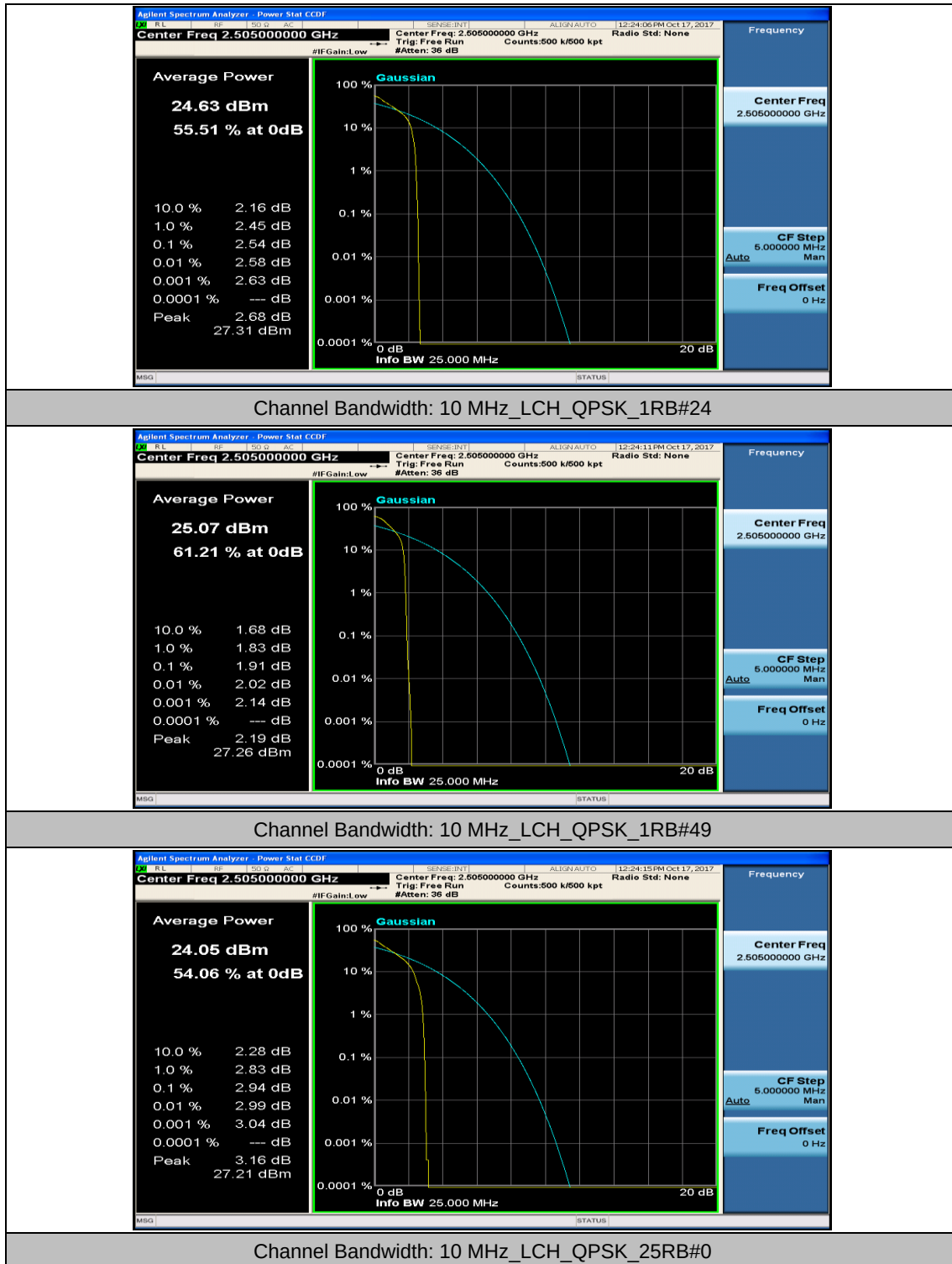


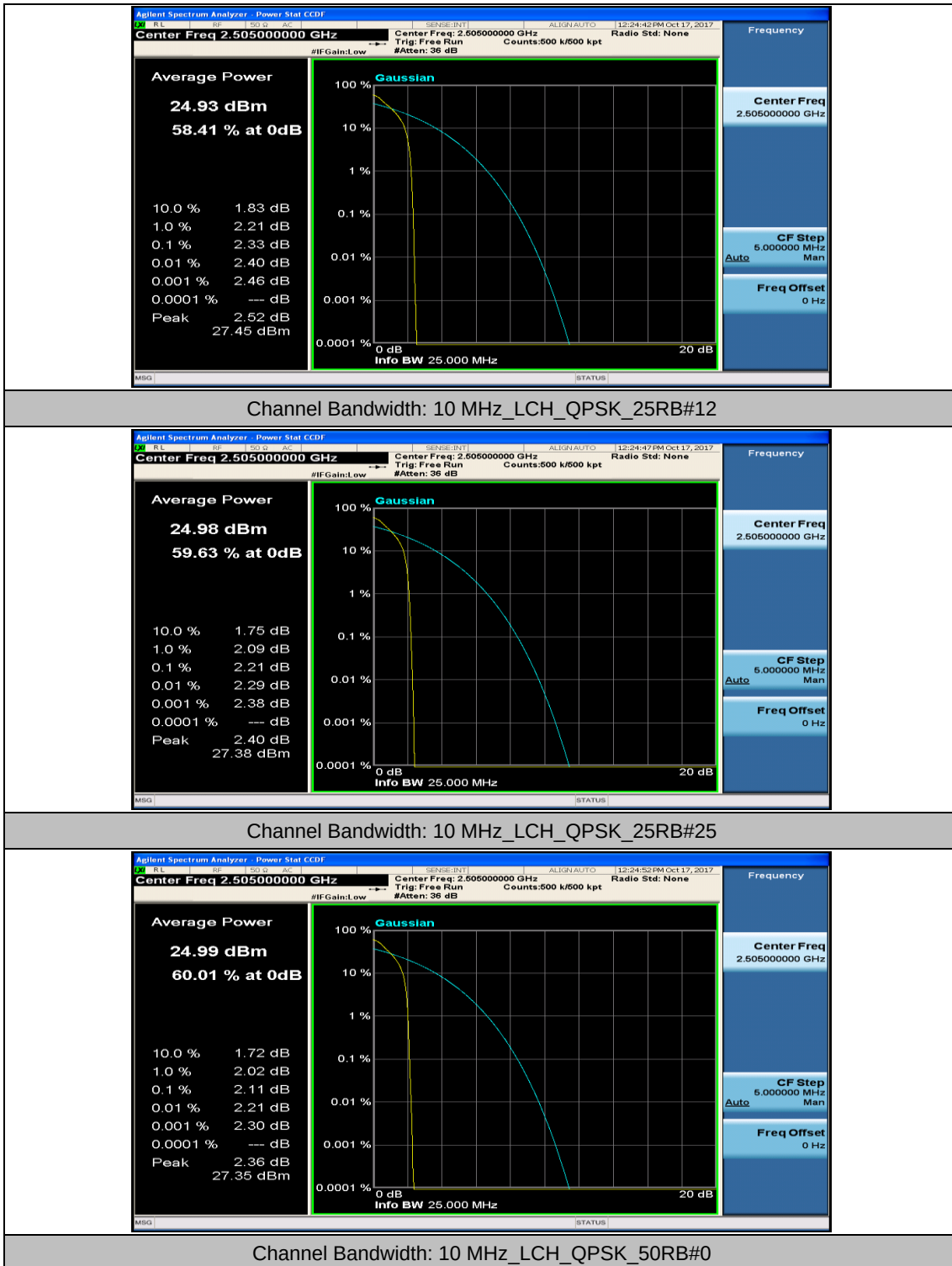
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

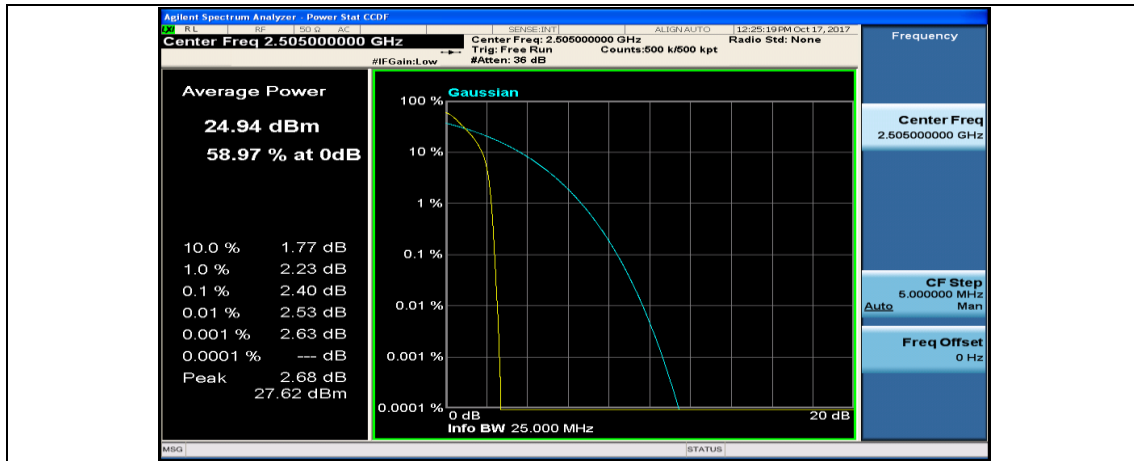


Channel Bandwidth: 10 MHz

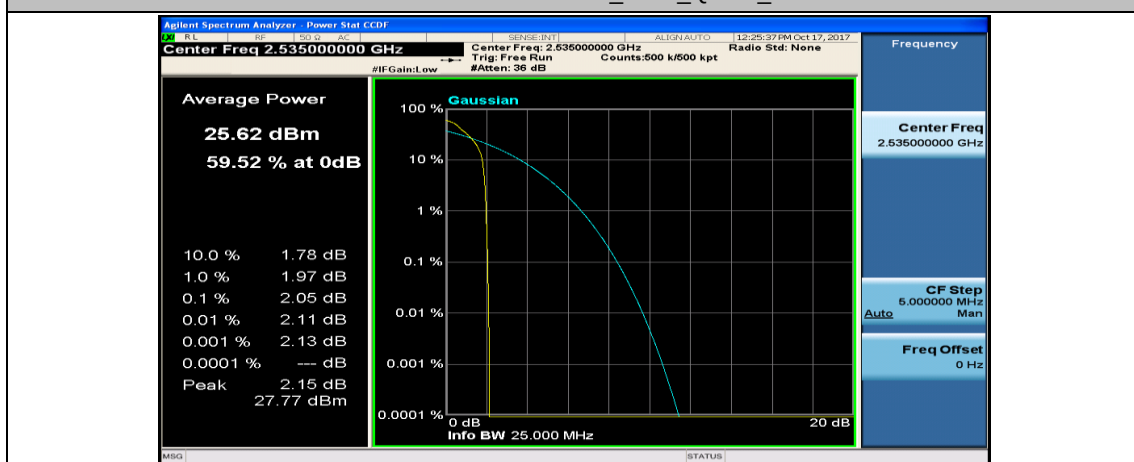
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



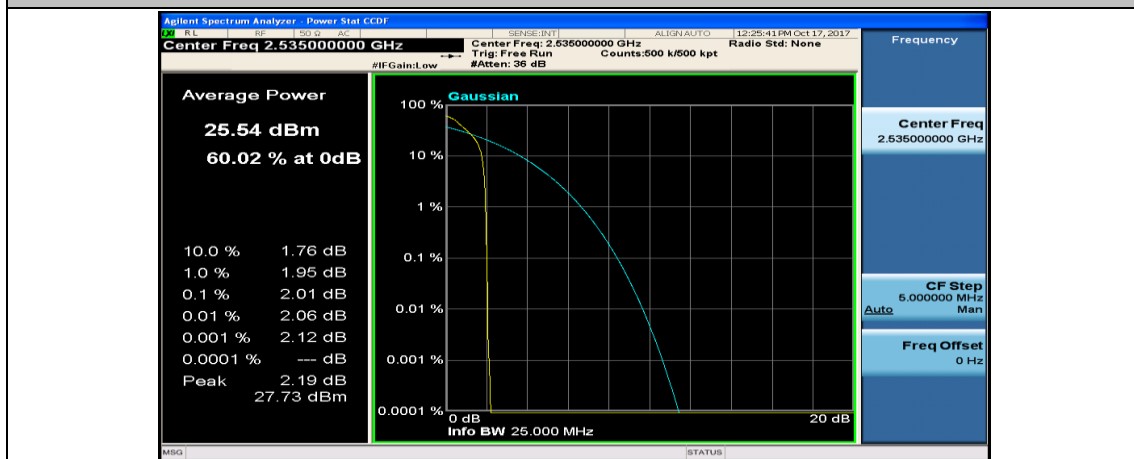




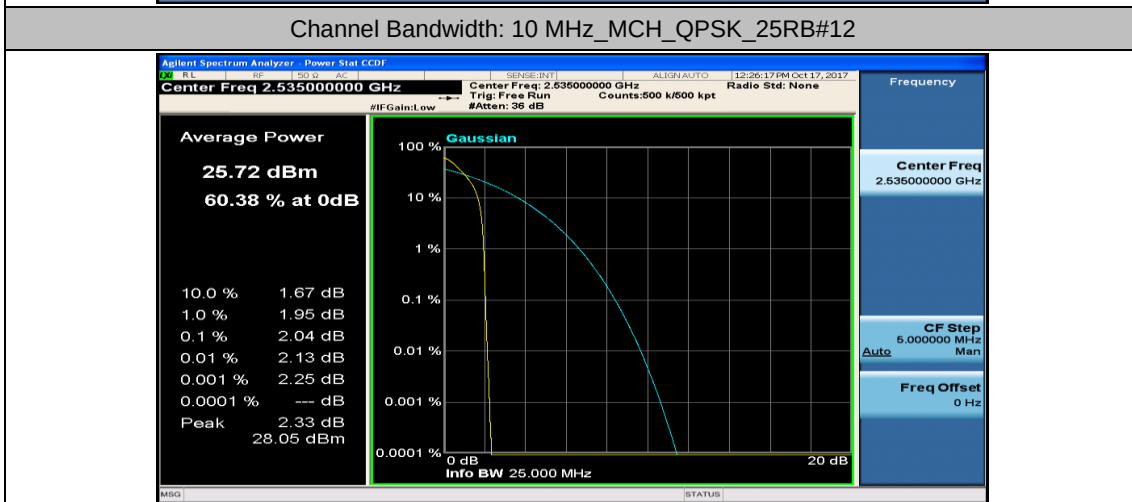
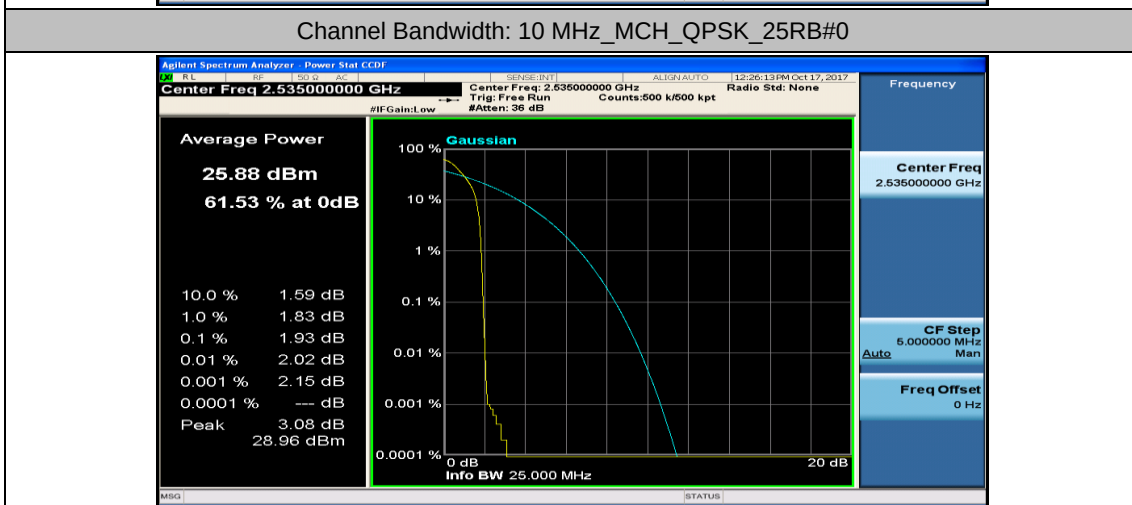
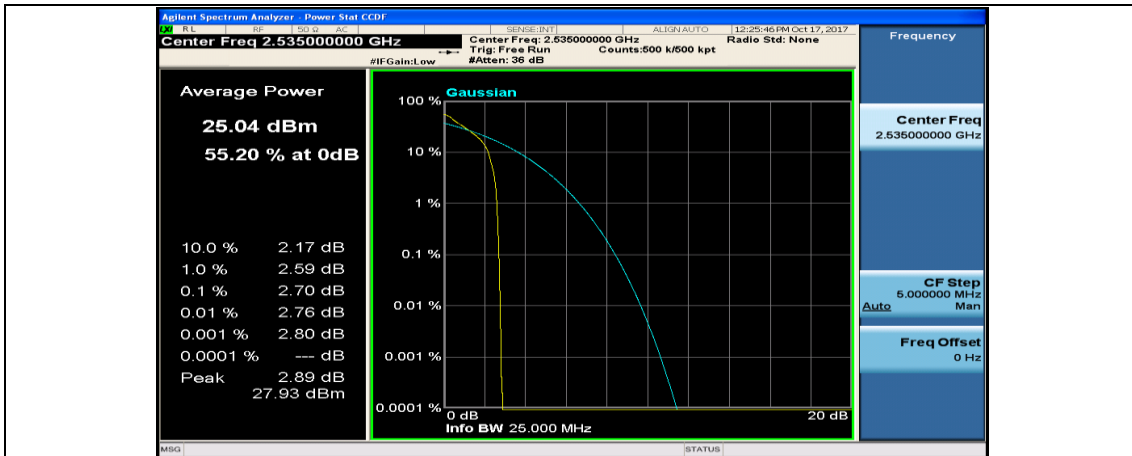
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

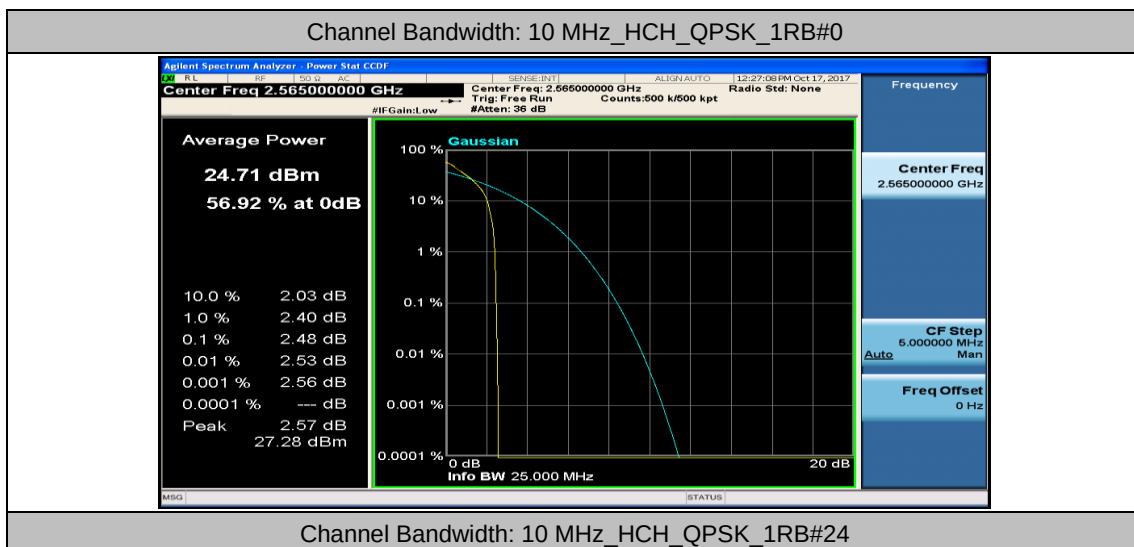
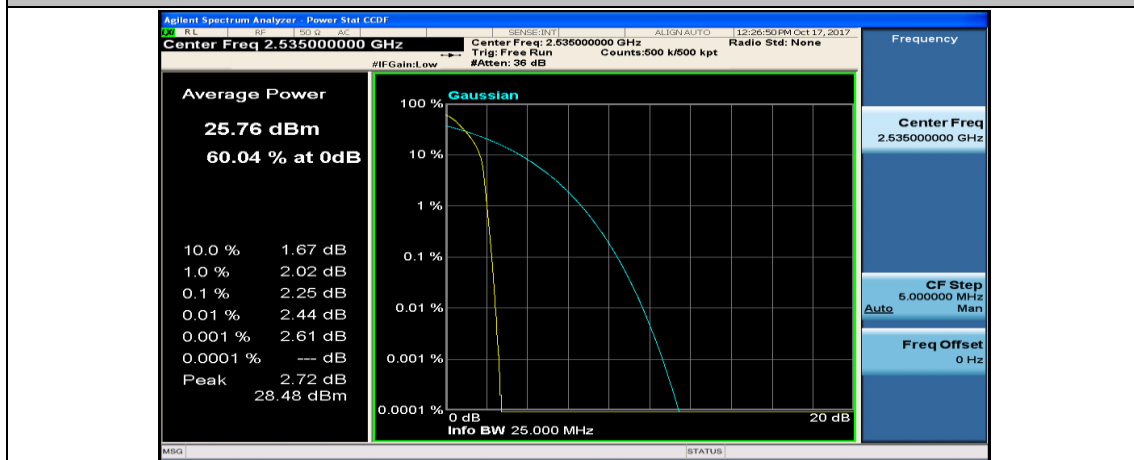
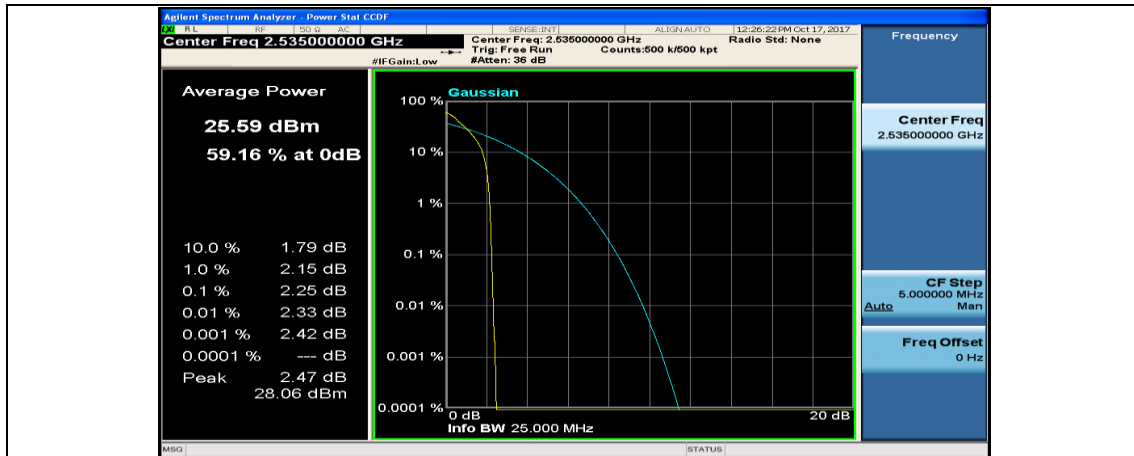


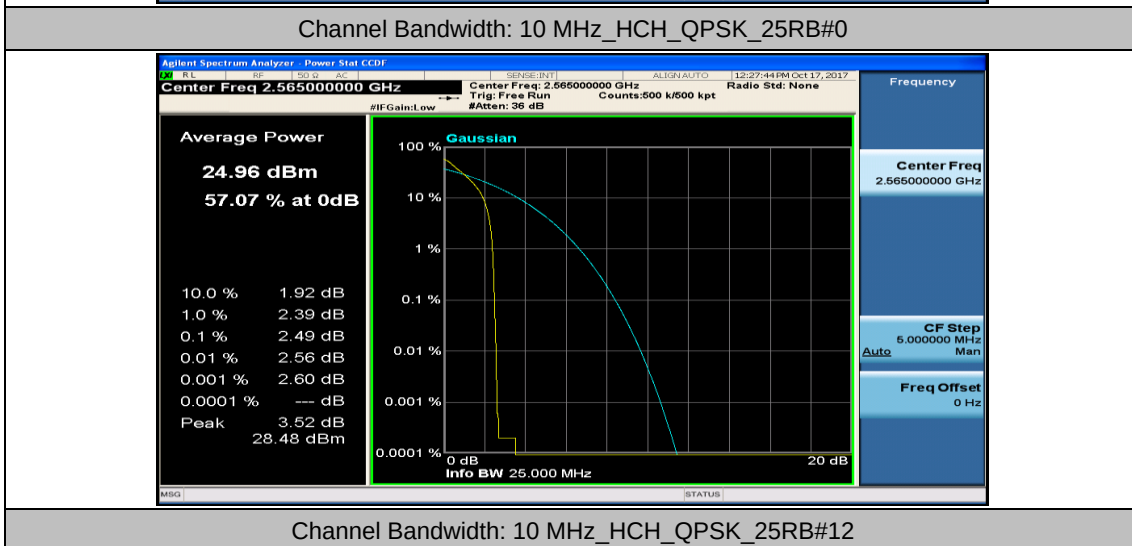
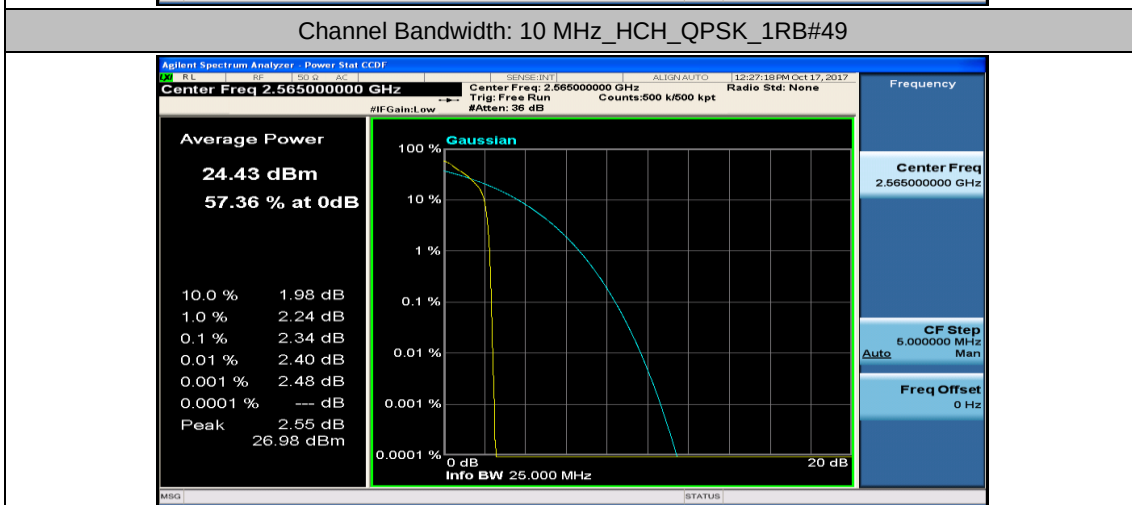
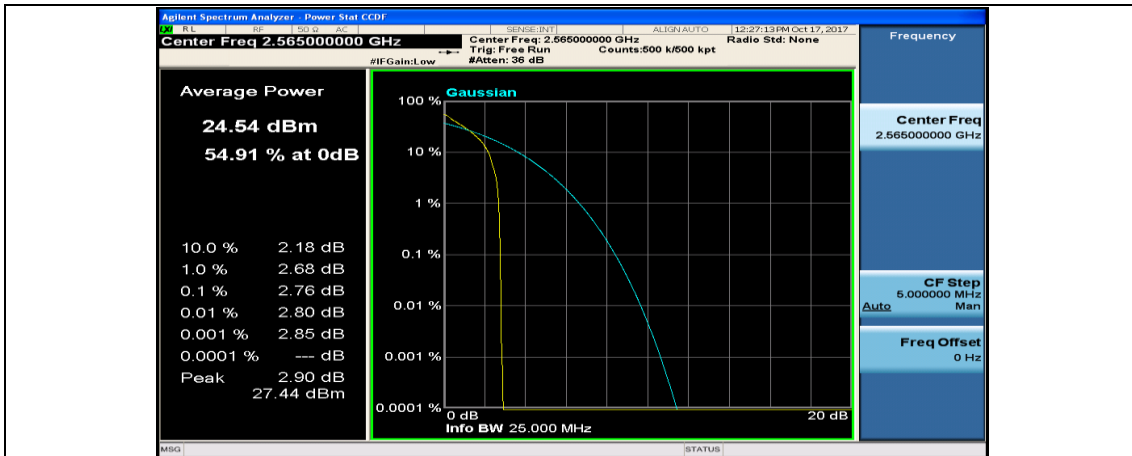
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

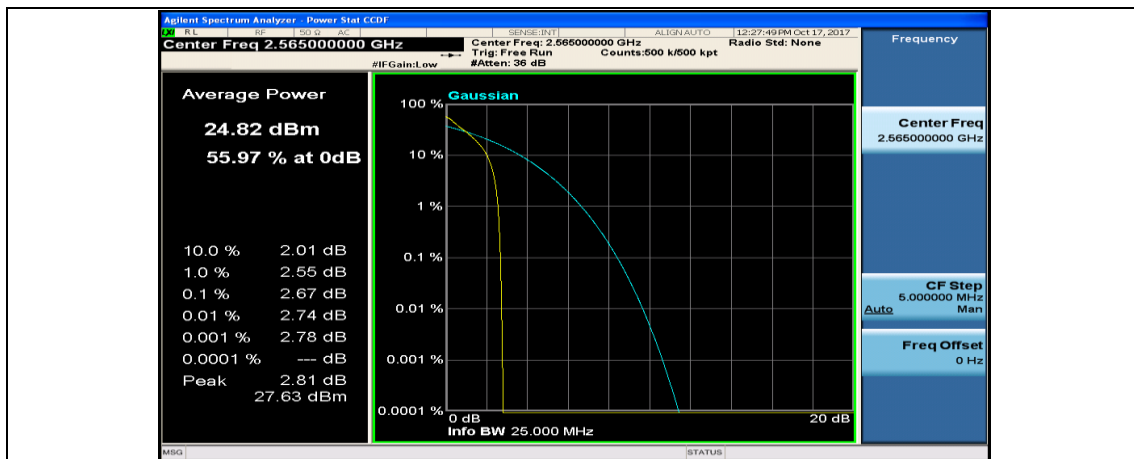


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

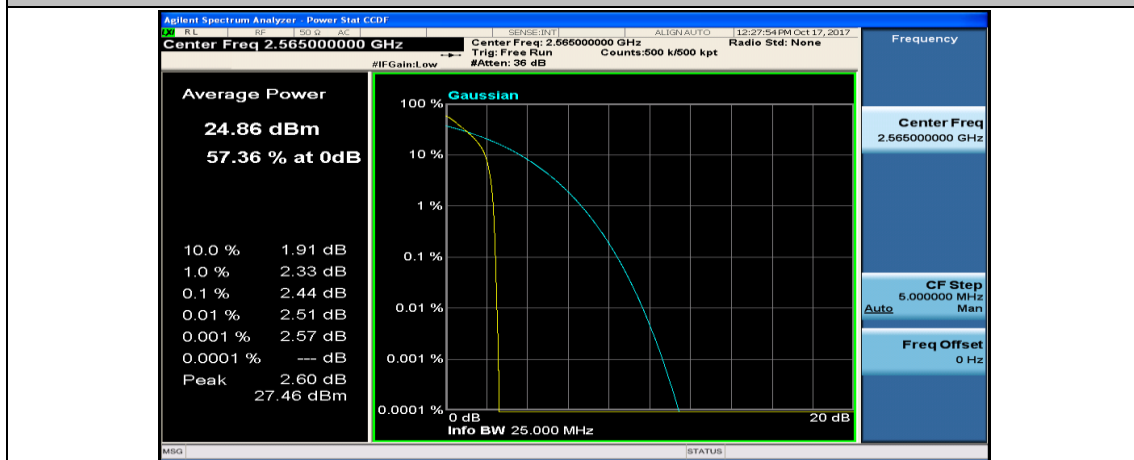




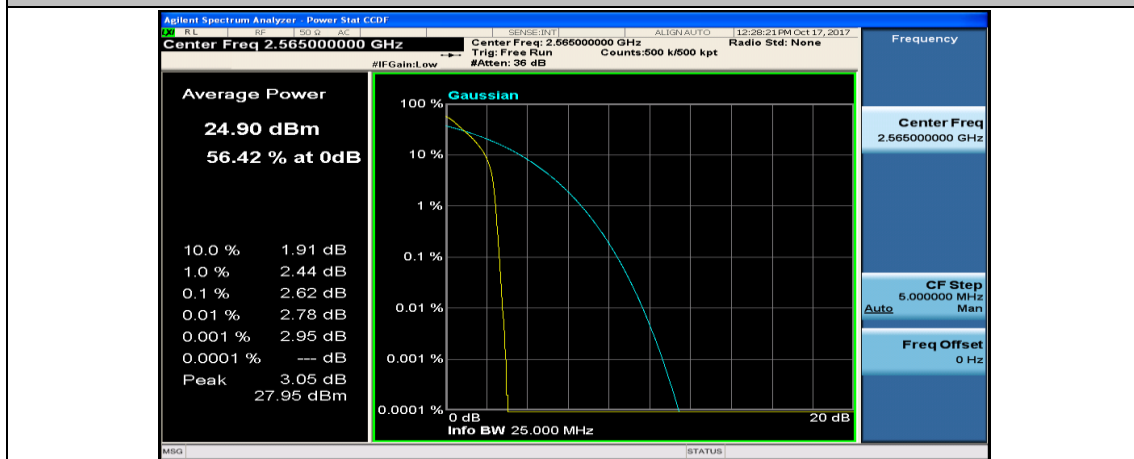




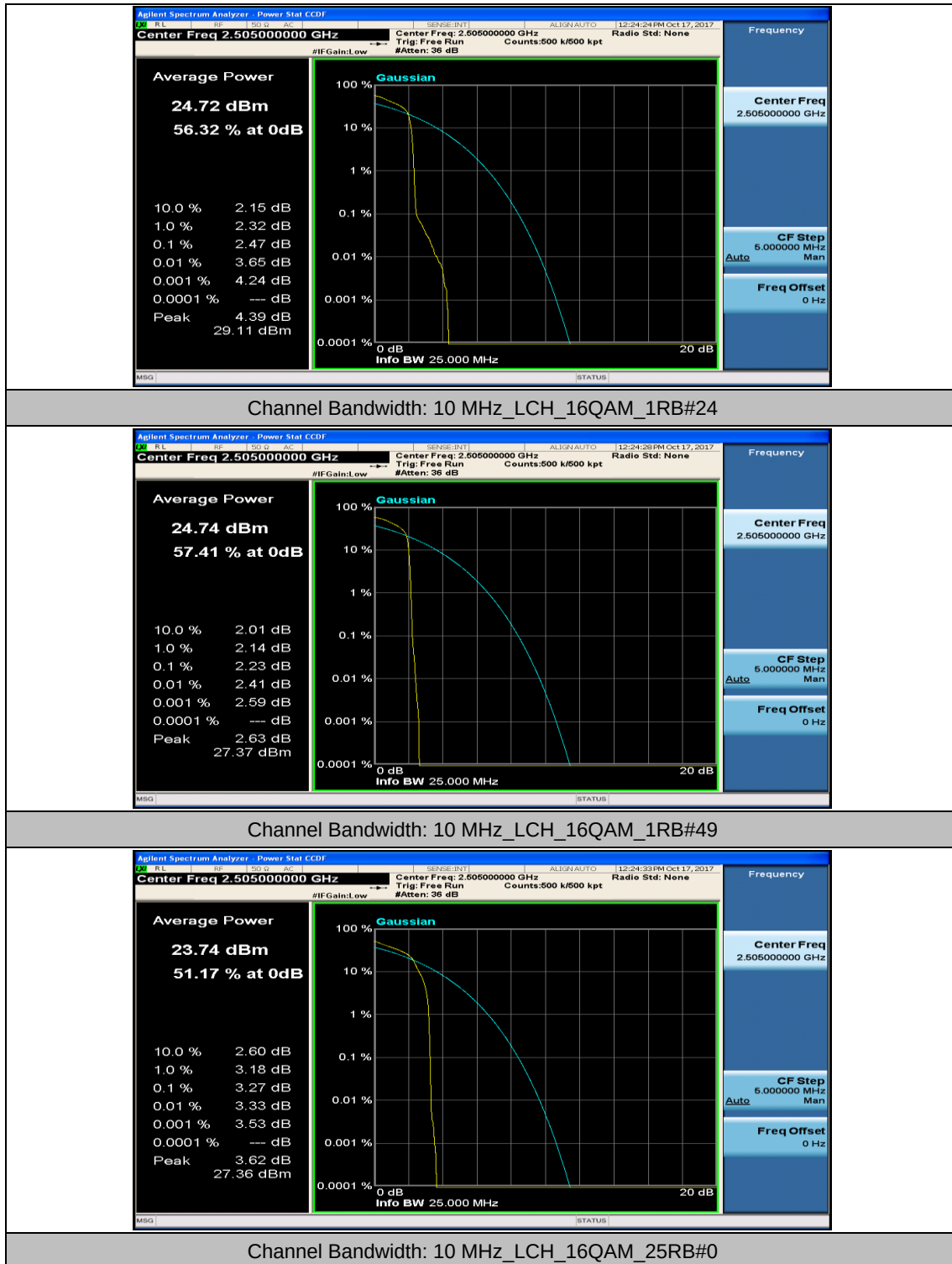
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

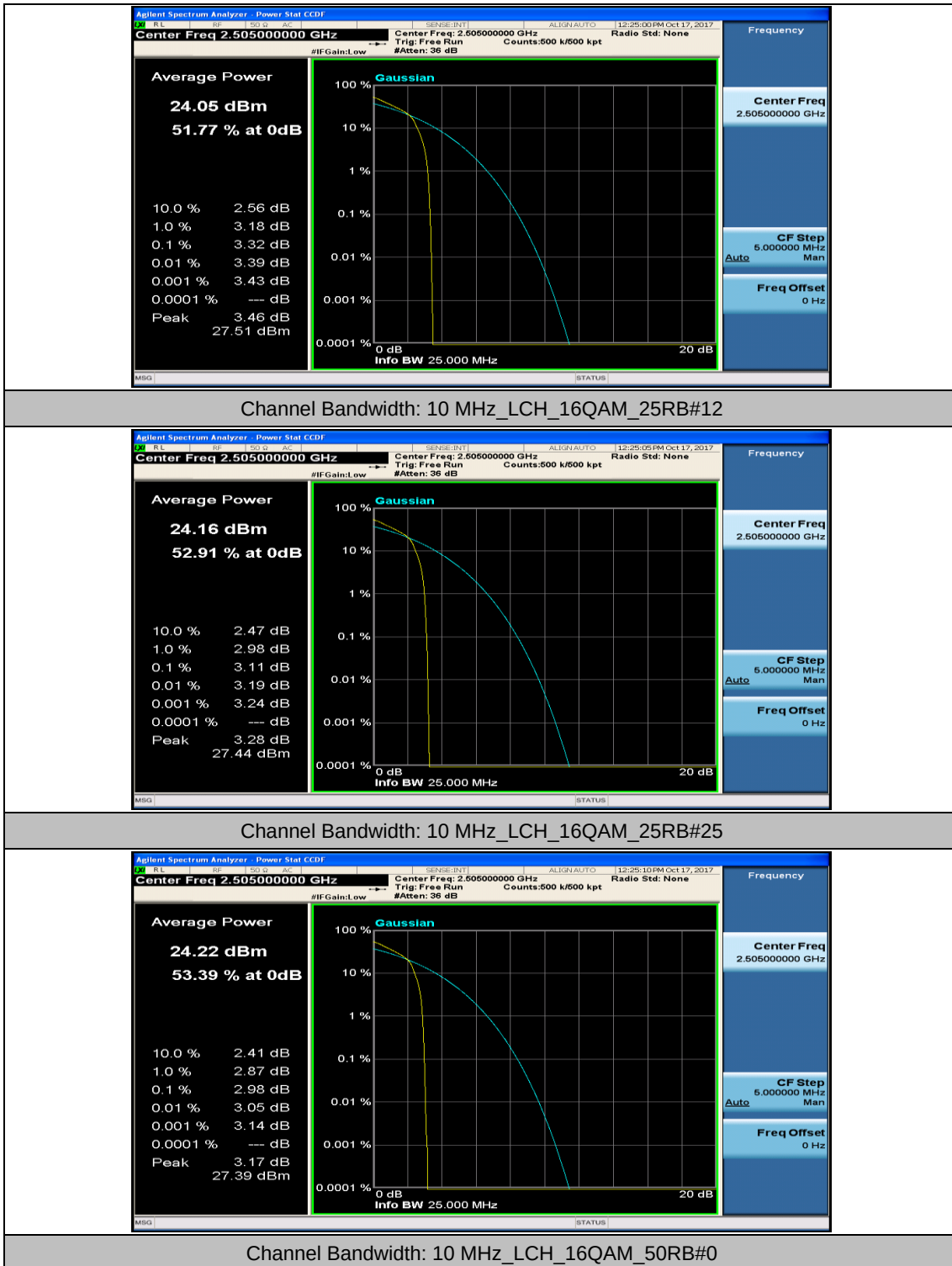


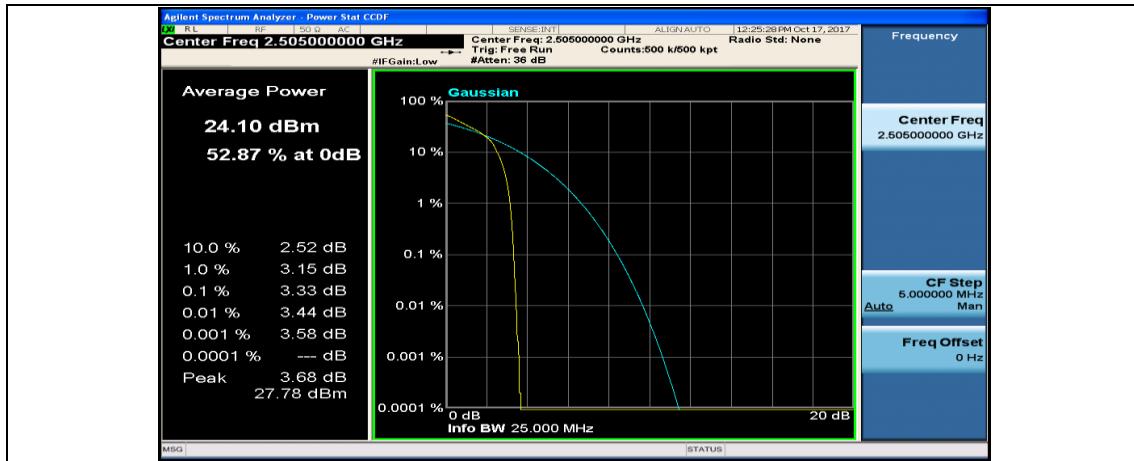
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



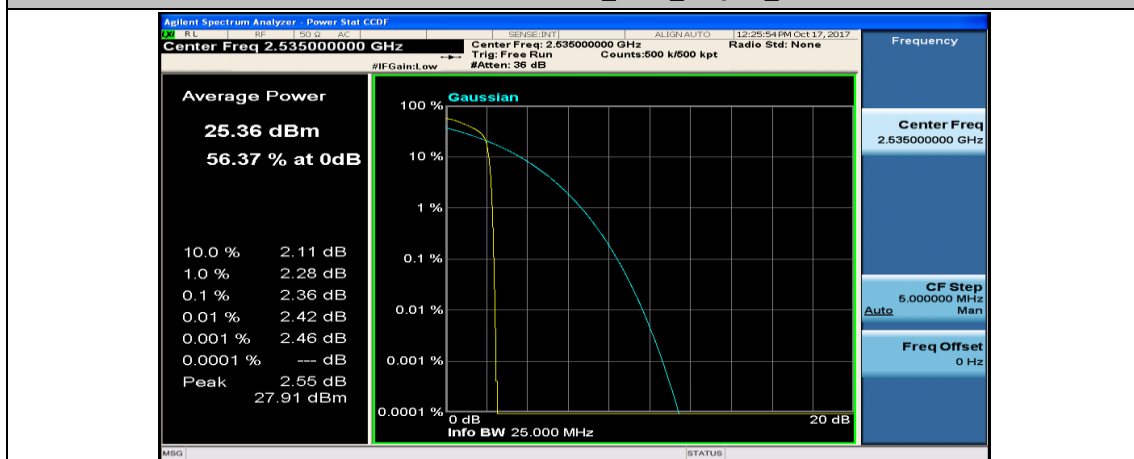
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



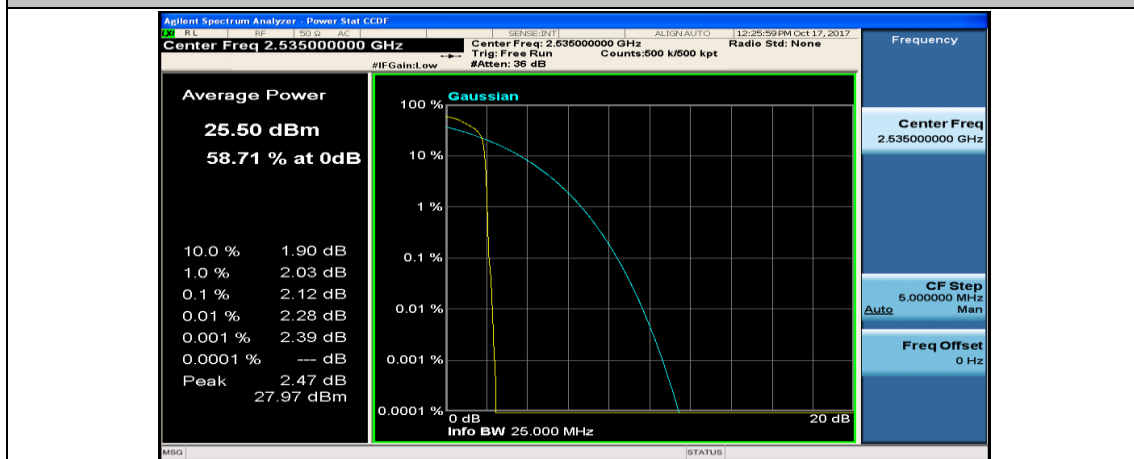




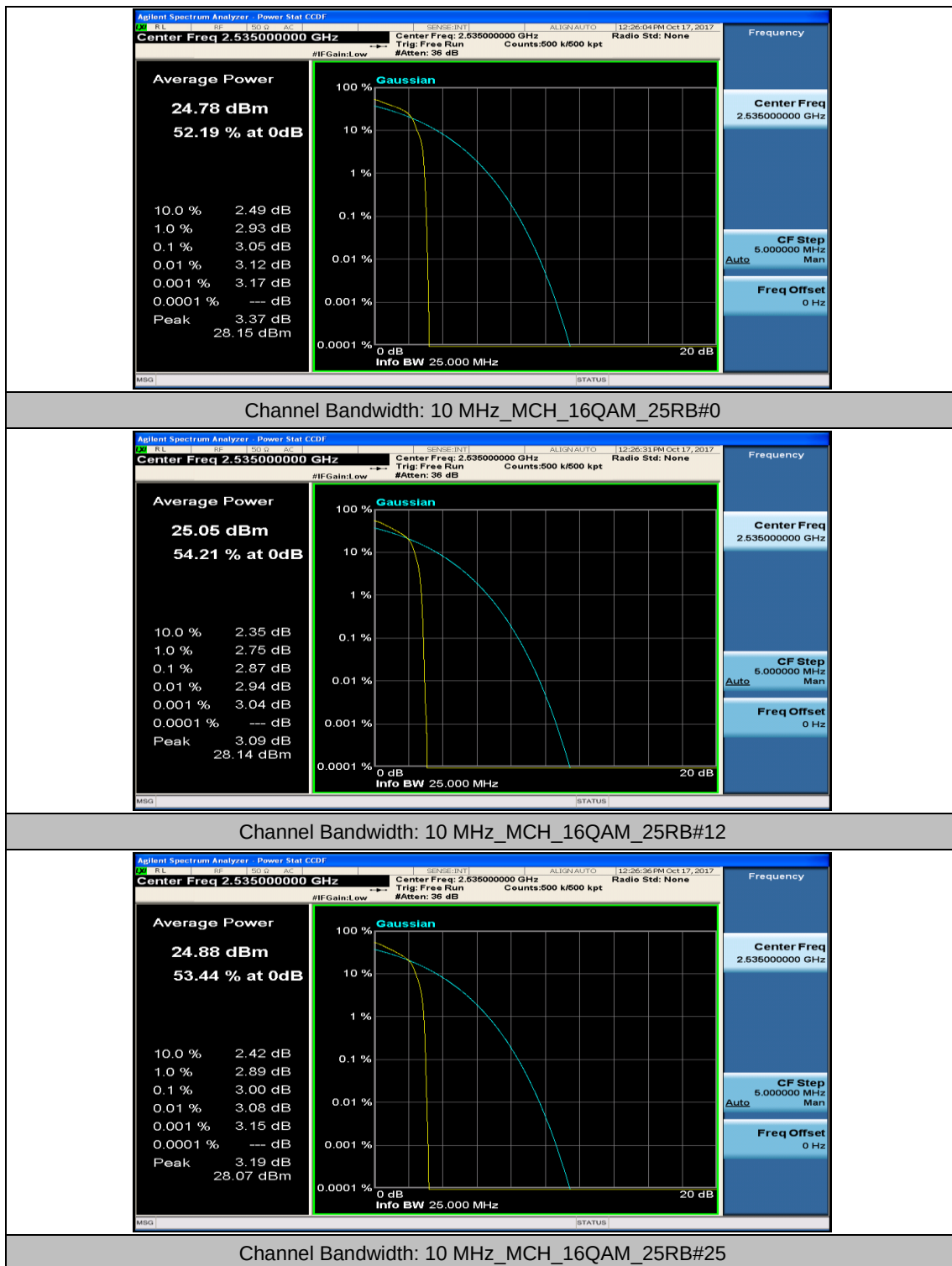
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

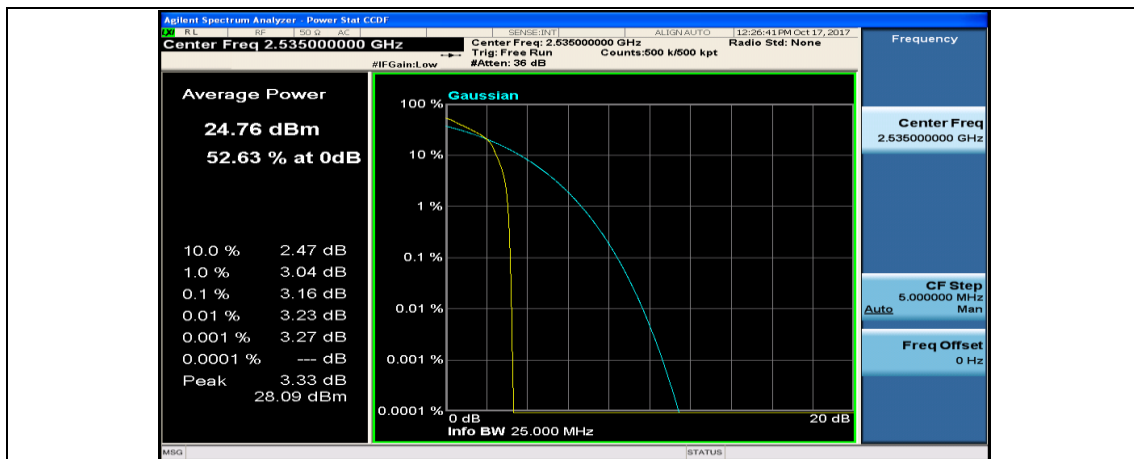


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

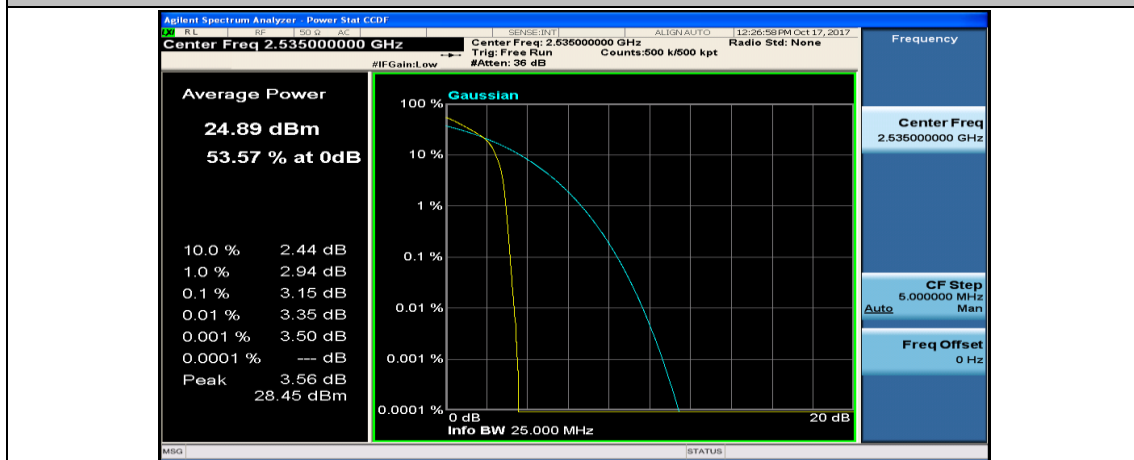


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

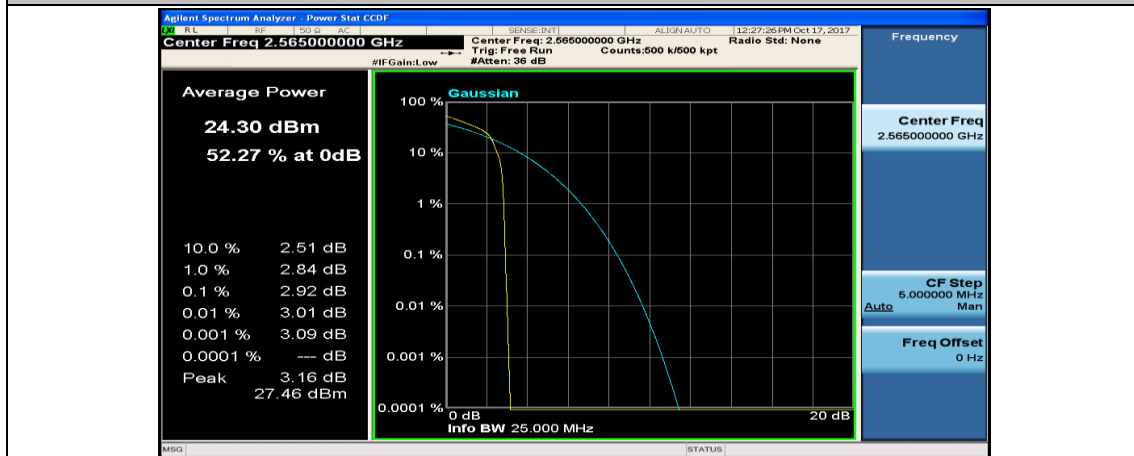




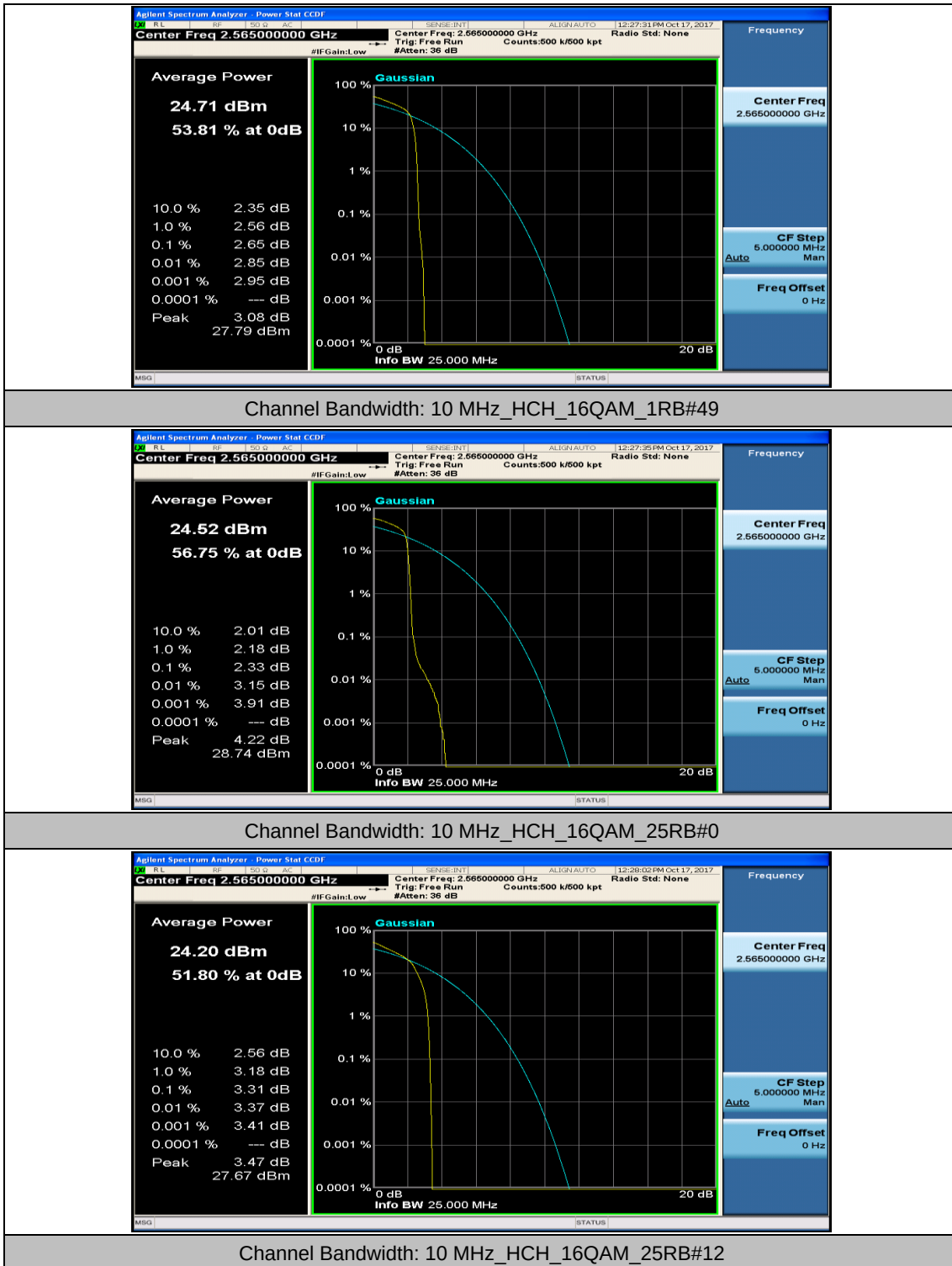
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

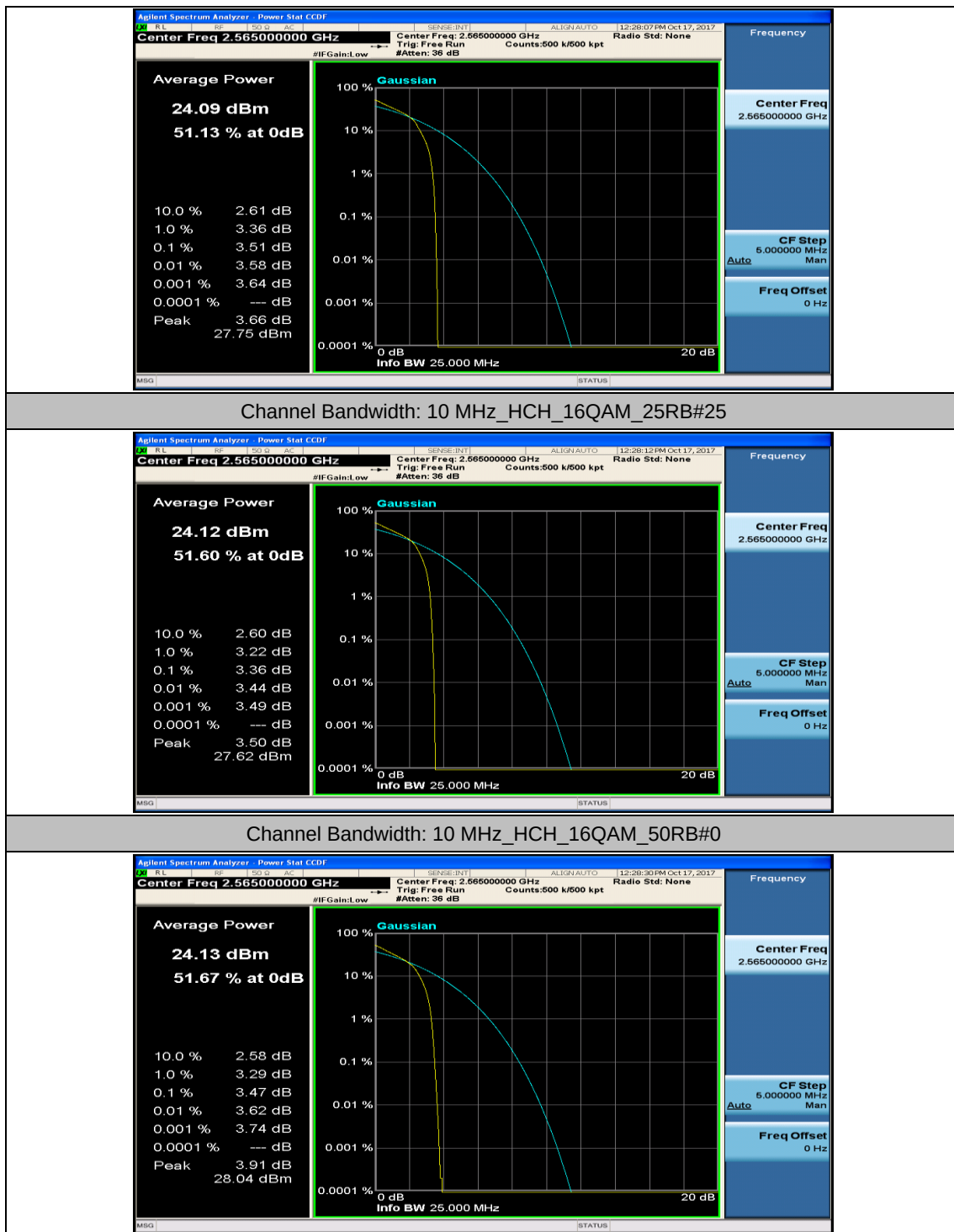


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



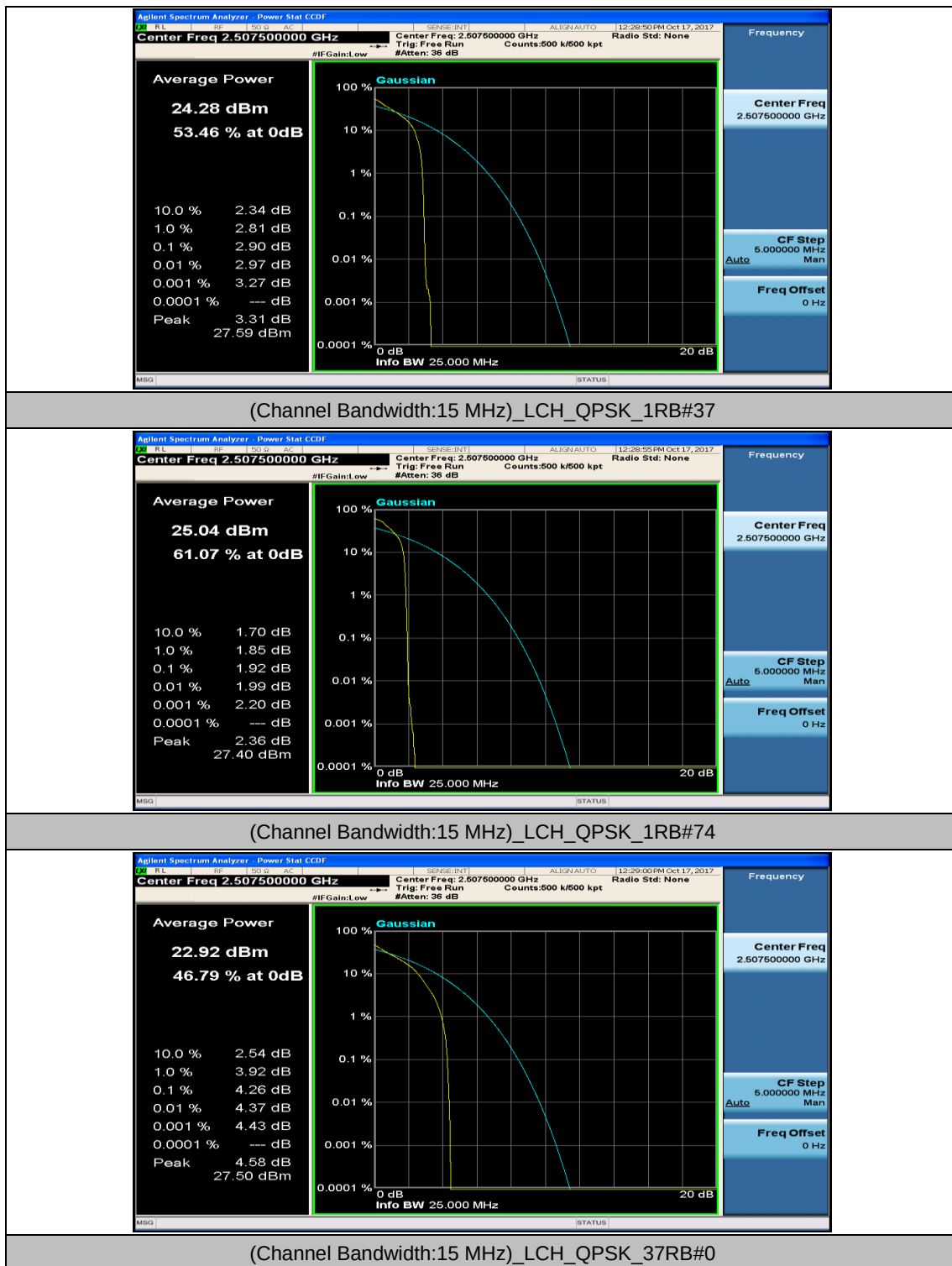
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

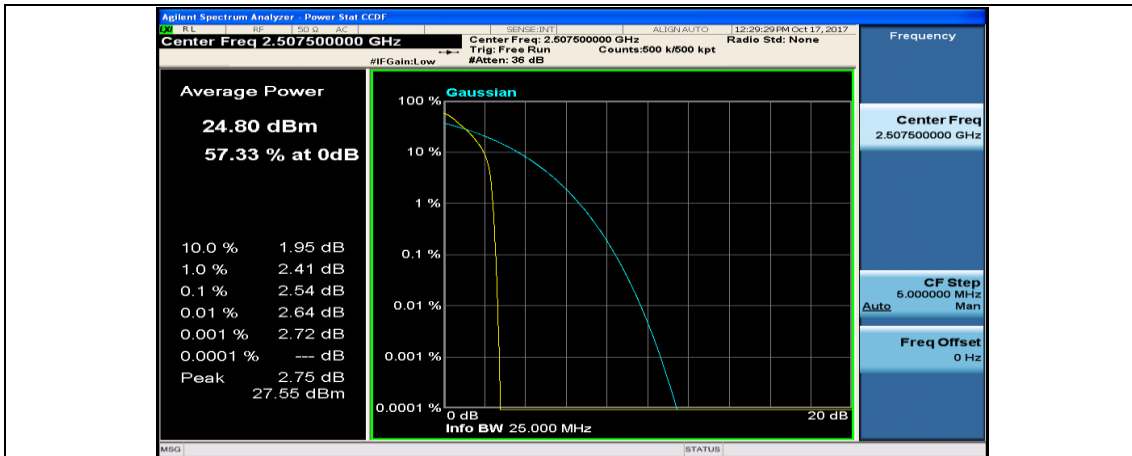




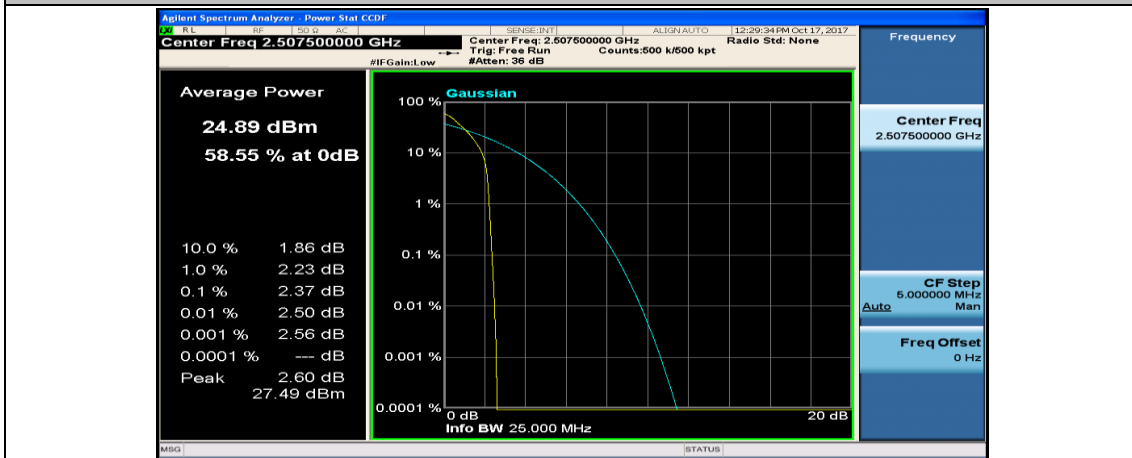
Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

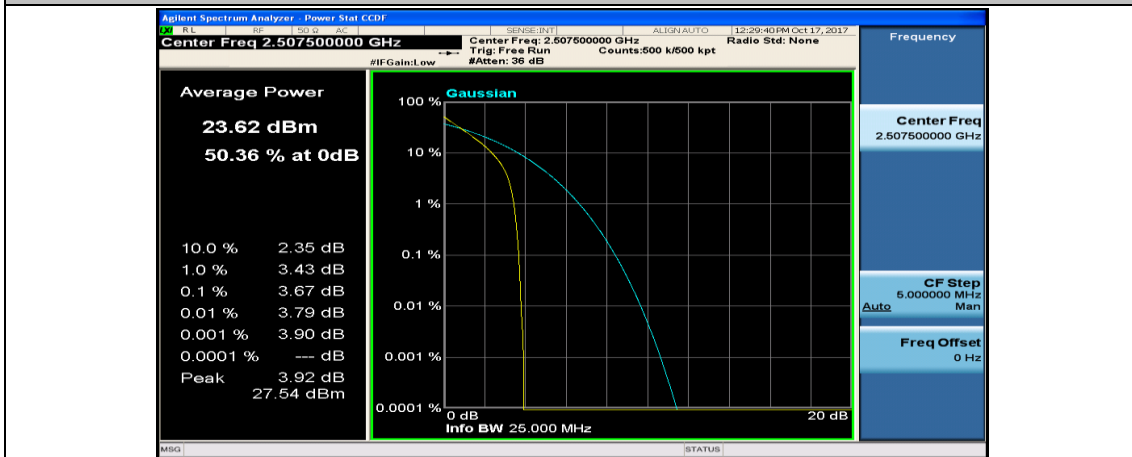




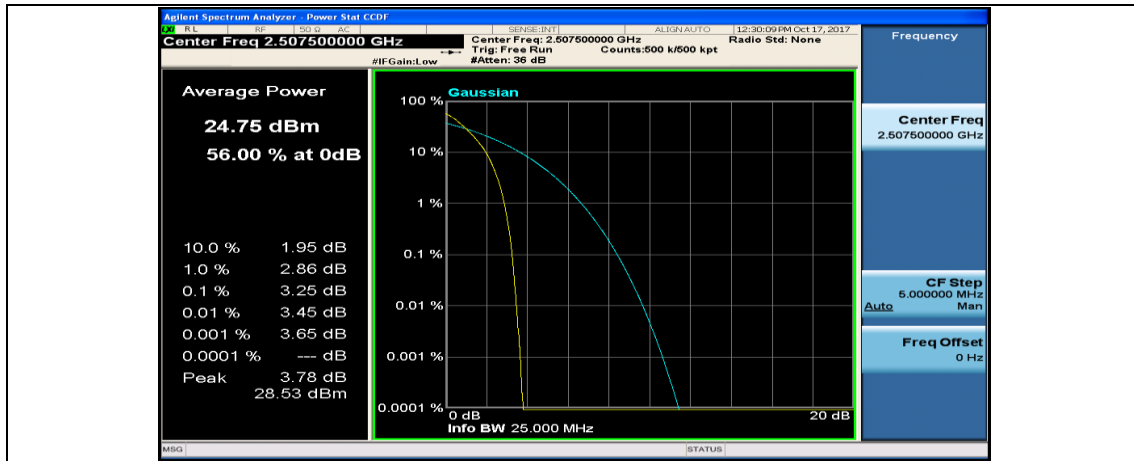
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



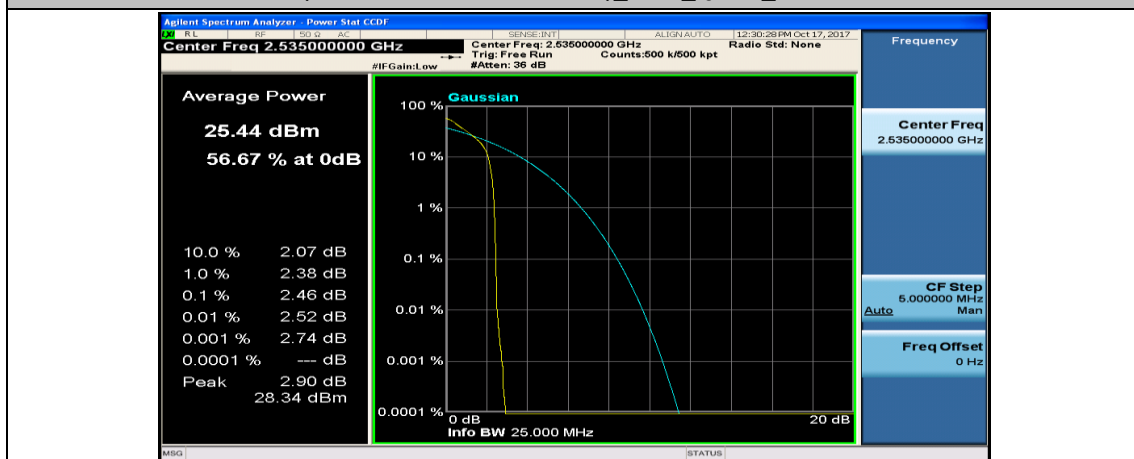
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



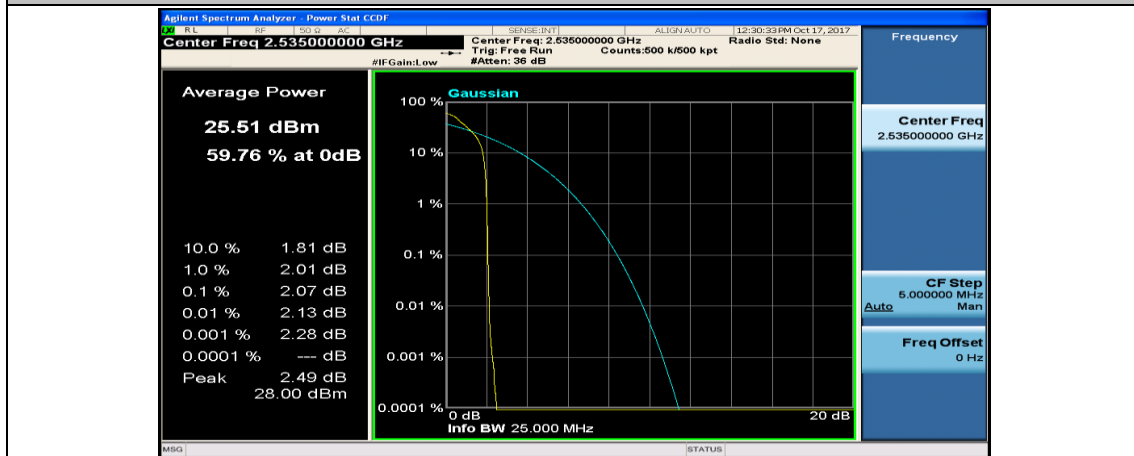
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



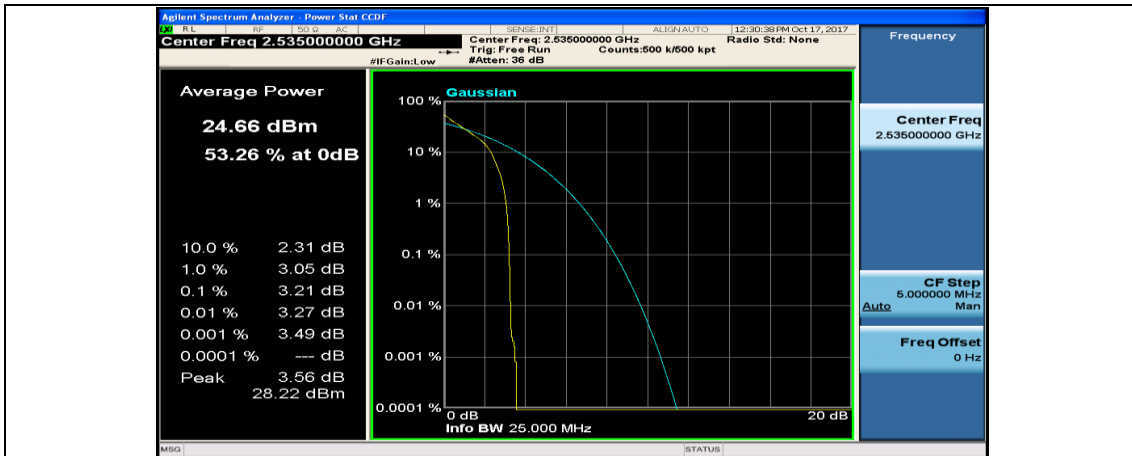
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



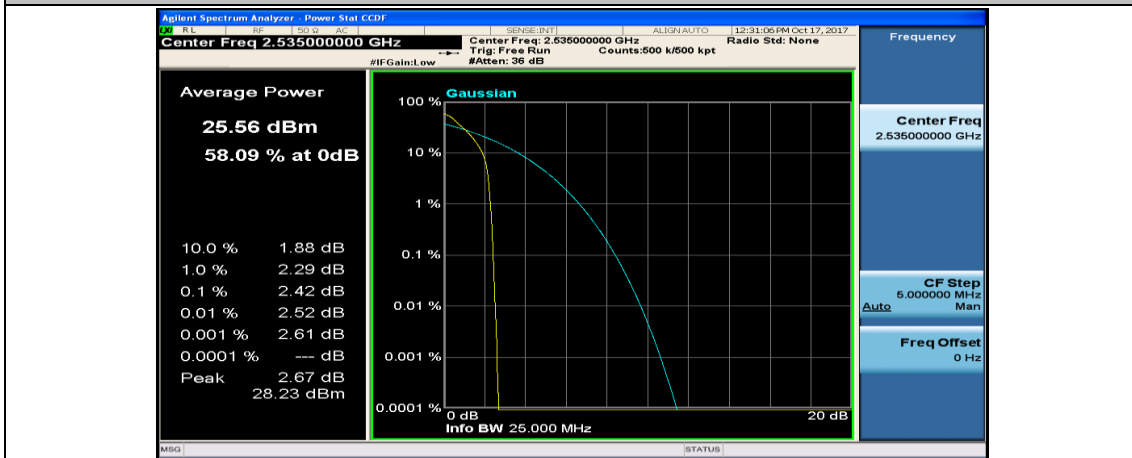
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



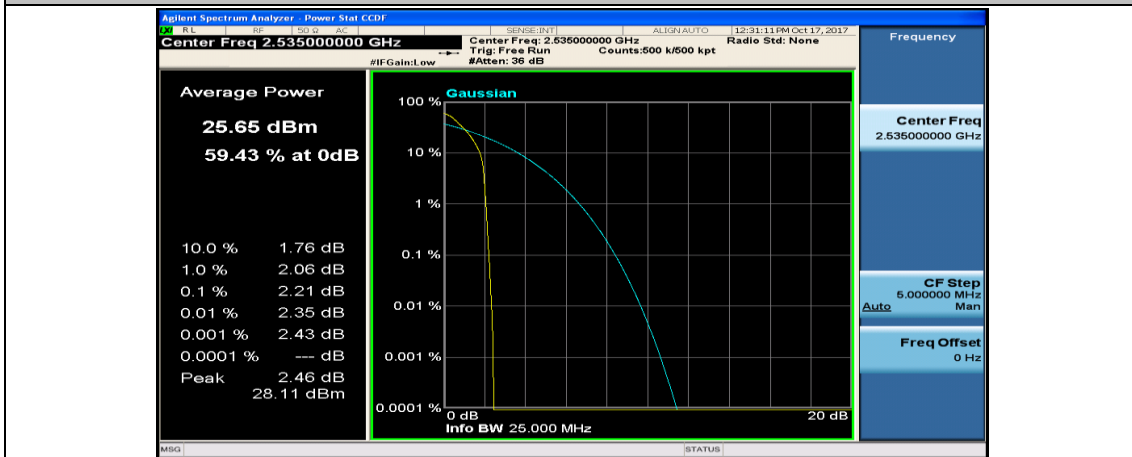
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



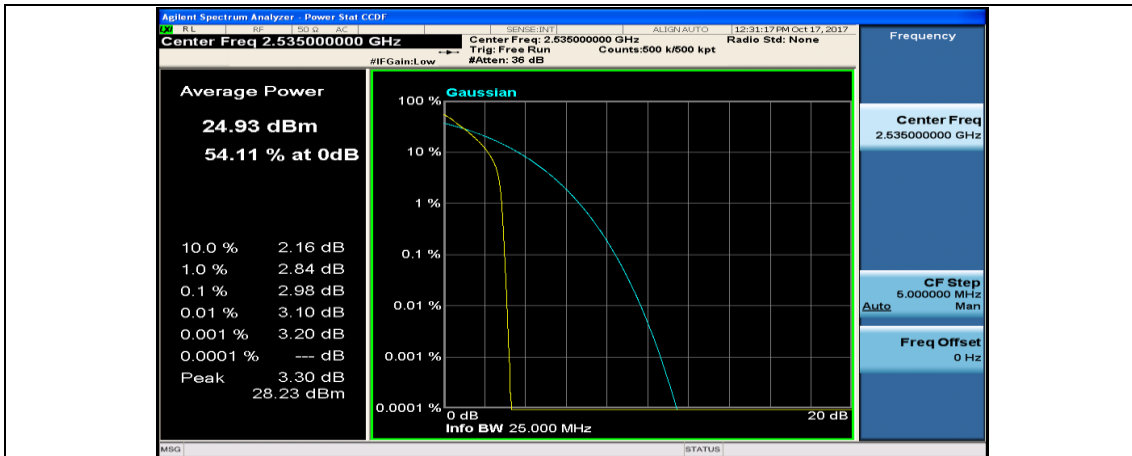
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



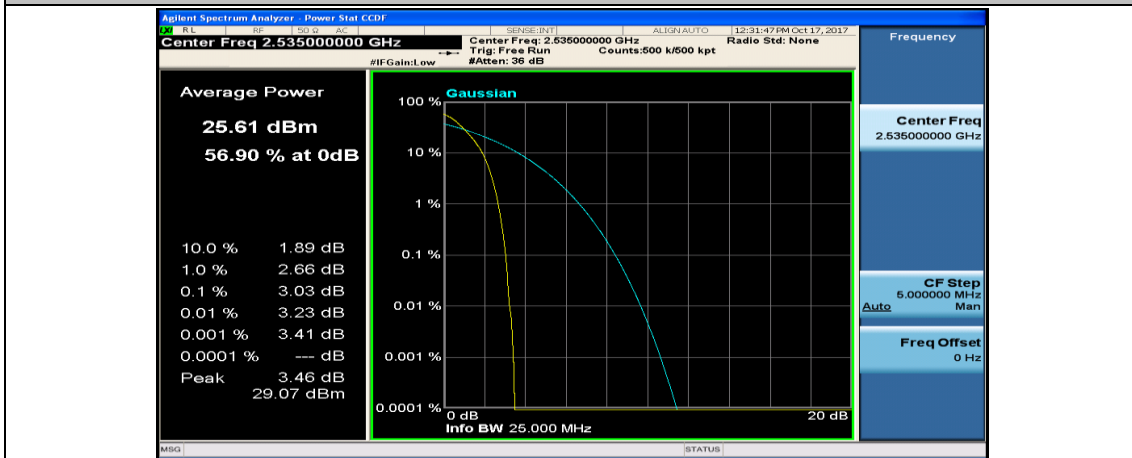
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



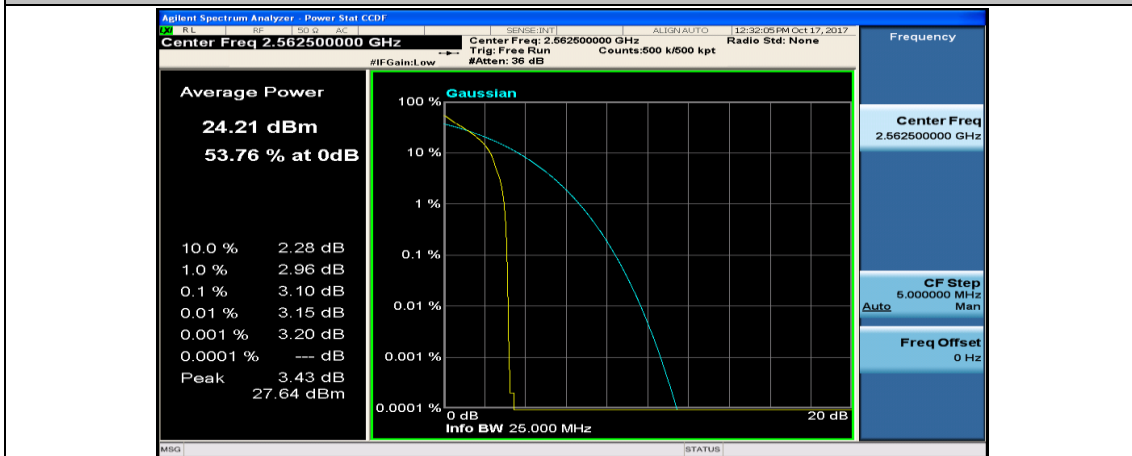
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



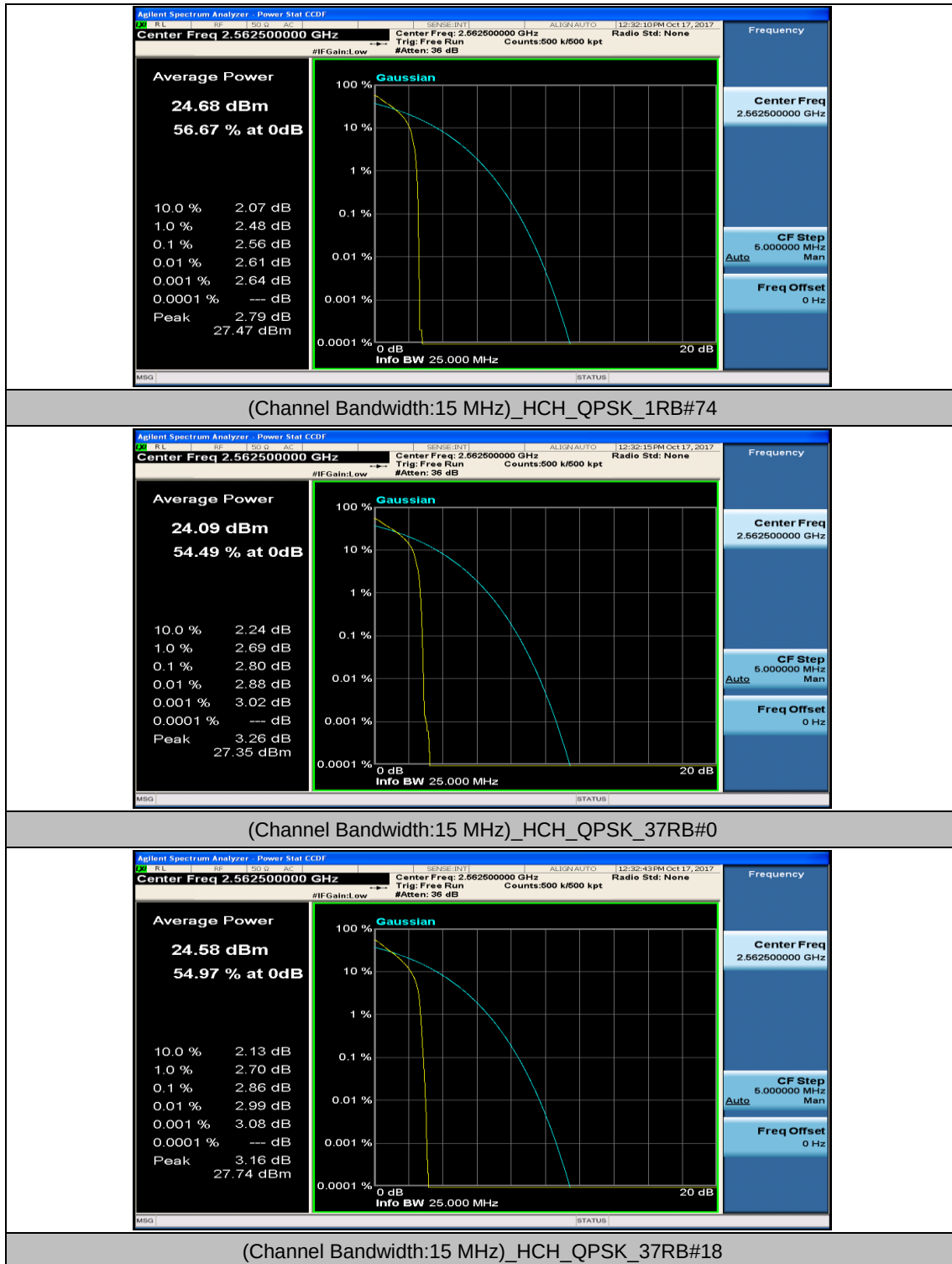
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

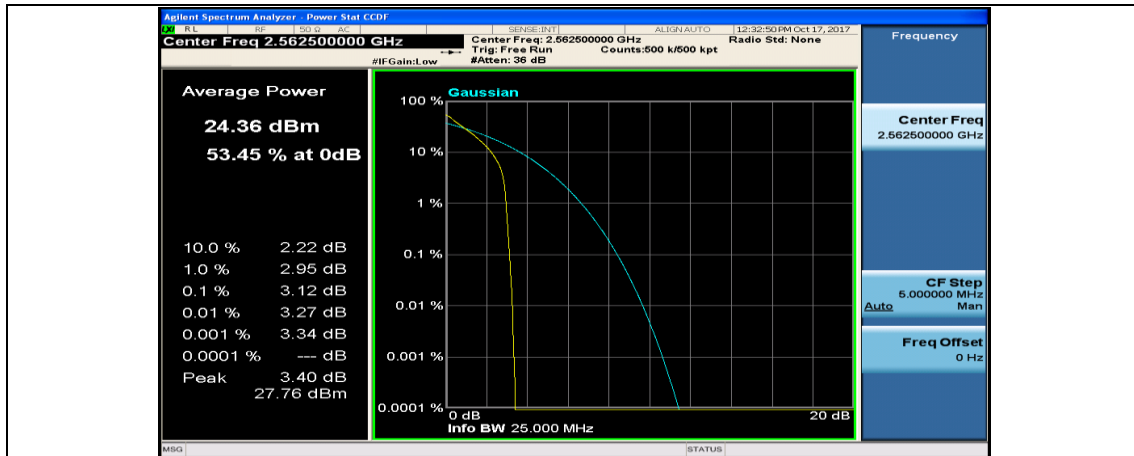


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

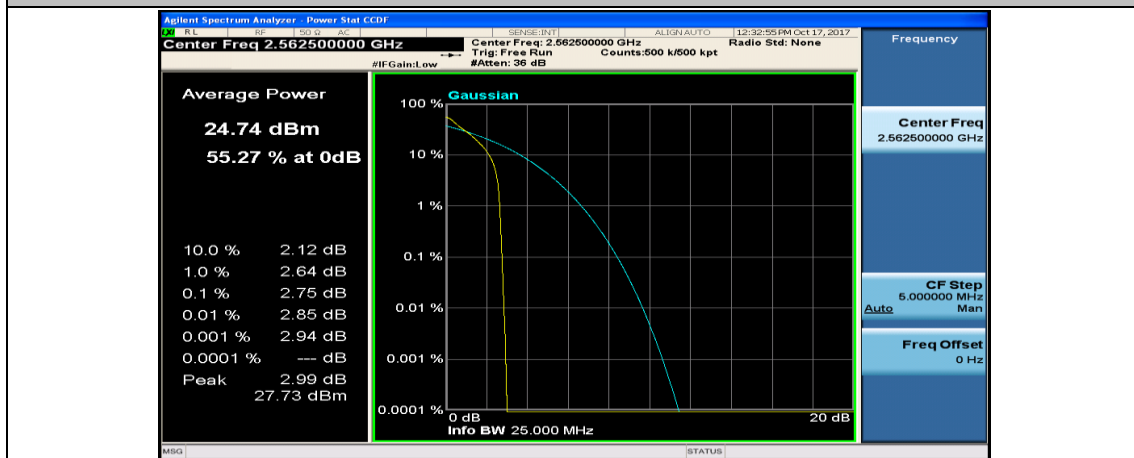


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

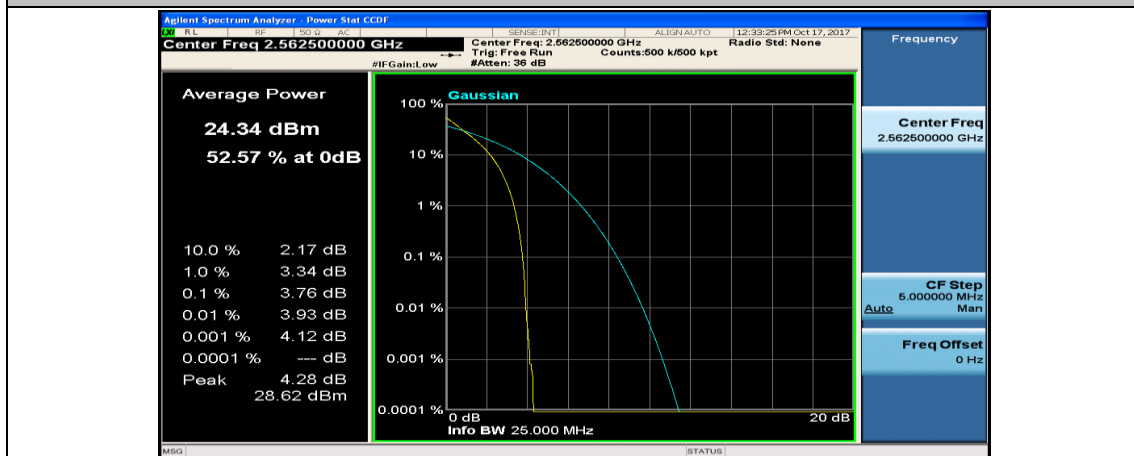




(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0