

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	22.47	PASS
		1	12	22.39	PASS
		1	24	23.11	PASS
		12	0	22.49	PASS
		12	6	22.37	PASS
		12	13	23.26	PASS
		25	0	22.35	PASS
	MCH	1	0	23.81	PASS
		1	12	23.84	PASS
		1	24	23.64	PASS
		12	0	23.83	PASS
		12	6	23.78	PASS
		12	13	23.73	PASS
		25	0	23.74	PASS
	HCH	1	0	23.86	PASS
		1	12	22.00	PASS
		1	24	22.00	PASS
		12	0	22.07	PASS
		12	6	22.03	PASS
		12	13	22.09	PASS
		25	0	23.01	PASS
16QAM	LCH	1	0	22.94	PASS
		1	12	22.86	PASS
		1	24	22.58	PASS
		12	0	22.67	PASS
		12	6	22.56	PASS
		12	13	22.46	PASS
		25	0	22.40	PASS
	MCH	1	0	22.28	PASS
		1	12	22.31	PASS
		1	24	22.07	PASS
		12	0	22.99	PASS
		12	6	22.94	PASS

		12	13	23.89	PASS
		25	0	23.54	PASS
	HCH	1	0	23.29	PASS
		1	12	23.52	PASS
		1	24	23.49	PASS
		12	0	22.22	PASS
		12	6	22.22	PASS
		12	13	22.26	PASS
		25	0	22.09	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.55	PASS
		1	24	23.21	PASS
		1	49	23.98	PASS
		25	0	23.37	PASS
		25	12	21.20	PASS
		25	25	21.07	PASS
		50	0	21.19	PASS
	MCH	1	0	22.83	PASS
		1	24	22.77	PASS
		1	49	23.54	PASS
		25	0	21.80	PASS
		25	12	22.75	PASS
		25	25	22.66	PASS
		50	0	22.74	PASS
	HCH	1	0	21.86	PASS
		1	24	21.00	PASS
		1	49	21.07	PASS
		25	0	21.01	PASS
		25	12	22.04	PASS
		25	25	21.08	PASS
		50	0	21.08	PASS
16QAM	LCH	1	0	23.91	PASS
		1	24	21.56	PASS
		1	49	21.30	PASS
		25	0	22.39	PASS
		25	12	22.21	PASS
		25	25	22.07	PASS
		50	0	22.21	PASS
	MCH	1	0	23.18	PASS

		1	24	23.08	PASS
		1	49	21.88	PASS
		25	0	23.83	PASS
		25	12	22.76	PASS
		25	25	22.70	PASS
		50	0	22.74	PASS
	HCH	1	0	23.25	PASS
		1	24	22.37	PASS
		1	49	23.47	PASS
		25	0	22.96	PASS
		25	12	23.02	PASS
		25	25	23.07	PASS
		50	0	22.11	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.54	PASS
		1	37	23.08	PASS
		1	74	23.90	PASS
		37	0	23.29	PASS
		37	18	23.07	PASS
		37	38	23.95	PASS
		75	0	23.14	PASS
	MCH	1	0	21.94	PASS
		1	37	21.94	PASS
		1	74	22.57	PASS
		37	0	21.92	PASS
		37	18	22.85	PASS
		37	38	22.65	PASS
		75	0	22.63	PASS
	HCH	1	0	22.54	PASS
		1	37	21.93	PASS
		1	74	23.95	PASS
		37	0	23.77	PASS
		37	18	23.91	PASS
		37	38	23.02	PASS
		75	0	23.99	PASS
16QAM	LCH	1	0	21.87	PASS
		1	37	21.45	PASS
		1	74	21.25	PASS
		37	0	23.31	PASS

		37	18	21.12	PASS
		37	38	22.99	PASS
		75	0	22.19	PASS
	MCH	1	0	22.31	PASS
		1	37	22.27	PASS
		1	74	22.95	PASS
		37	0	22.77	PASS
		37	18	23.67	PASS
		37	38	22.56	PASS
		75	0	21.65	PASS
	HCH	1	0	22.93	PASS
		1	37	23.31	PASS
		1	74	22.32	PASS
		37	0	22.79	PASS
		37	18	22.96	PASS
		37	38	23.05	PASS
		75	0	21.01	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.99	PASS
		1	49	23.09	PASS
		1	99	23.02	PASS
		50	0	22.23	PASS
		50	25	22.00	PASS
		50	50	22.95	PASS
		100	0	23.10	PASS
	MCH	1	0	23.92	PASS
		1	49	23.78	PASS
		1	99	23.53	PASS
		50	0	22.95	PASS
		50	25	23.82	PASS
		50	50	23.66	PASS
		100	0	22.81	PASS
	HCH	1	0	22.55	PASS
		1	49	22.85	PASS
		1	99	22.10	PASS
		50	0	22.81	PASS
		50	25	22.95	PASS
		50	50	22.12	PASS
		100	0	22.96	PASS

16QAM	LCH	1	0	23.90	PASS
		1	49	22.30	PASS
		1	99	22.27	PASS
		50	0	23.27	PASS
		50	25	21.05	PASS
		50	50	22.97	PASS
		100	0	22.11	PASS
	MCH	1	0	22.30	PASS
		1	49	23.12	PASS
		1	99	23.87	PASS
		50	0	21.99	PASS
		50	25	22.85	PASS
		50	50	22.69	PASS
		100	0	22.82	PASS
	HCH	1	0	23.94	PASS
		1	49	22.20	PASS
		1	99	22.45	PASS
		50	0	22.84	PASS
		50	25	22.99	PASS
		50	50	22.15	PASS
		100	0	23.00	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	5.52	<13	PASS
		1	12	5.44	<13	PASS
		1	24	5.73	<13	PASS
		12	0	6.1	<13	PASS
		12	6	5.99	<13	PASS
		12	13	6.11	<13	PASS
		25	0	6.24	<13	PASS
	MCH	1	0	6.13	<13	PASS
		1	12	5.88	<13	PASS
		1	24	6.07	<13	PASS
		12	0	5.96	<13	PASS
		12	6	6.02	<13	PASS
		12	13	5.92	<13	PASS
		25	0	6	<13	PASS
	HCH	1	0	5.54	<13	PASS
		1	12	5.69	<13	PASS
		1	24	5.34	<13	PASS
		12	0	5.88	<13	PASS
		12	6	5.83	<13	PASS
		12	13	5.89	<13	PASS
		25	0	6.02	<13	PASS
16QAM	LCH	1	0	6.5	<13	PASS
		1	12	6.9	<13	PASS
		1	24	6.4	<13	PASS
		12	0	6.76	<13	PASS
		12	6	6.79	<13	PASS
		12	13	6.79	<13	PASS
		25	0	6.91	<13	PASS
	MCH	1	0	6.8	<13	PASS
		1	12	6.49	<13	PASS
		1	24	6.67	<13	PASS

		12	0	6.83	<13	PASS
		12	6	6.81	<13	PASS
		12	13	6.9	<13	PASS
		25	0	6.74	<13	PASS
	HCH	1	0	6.77	<13	PASS
		1	12	6.39	<13	PASS
		1	24	6.51	<13	PASS
		12	0	6.71	<13	PASS
		12	6	6.68	<13	PASS
		12	13	6.76	<13	PASS
		25	0	6.82	<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	5.73	<13	PASS
		1	24	6.09	<13	PASS
		1	49	6.06	<13	PASS
		25	0	6.22	<13	PASS
		25	12	6.09	<13	PASS
		25	25	6.09	<13	PASS
		50	0	6.17	<13	PASS
	MCH	1	0	5.84	<13	PASS
		1	24	5.71	<13	PASS
		1	49	5.96	<13	PASS
		25	0	6.05	<13	PASS
		25	12	6.11	<13	PASS
		25	25	6.01	<13	PASS
		50	0	5.98	<13	PASS
	HCH	1	0	5.69	<13	PASS
		1	24	5.64	<13	PASS
		1	49	5.3	<13	PASS
		25	0	6.05	<13	PASS
		25	12	6.05	<13	PASS
		25	25	5.94	<13	PASS
		50	0	6.02	<13	PASS
16QAM	LCH	1	0	6.8	<13	PASS
		1	24	6.95	<13	PASS
		1	49	7.03	<13	PASS
		25	0	6.91	<13	PASS

		25	12	6.91	<13	PASS
		25	25	6.83	<13	PASS
		50	0	6.8	<13	PASS
	MCH	1	0	7.15	<13	PASS
		1	24	6.88	<13	PASS
		1	49	6.94	<13	PASS
		25	0	6.62	<13	PASS
		25	12	6.77	<13	PASS
		25	25	6.66	<13	PASS
		50	0	6.53	<13	PASS
	HCH	1	0	6.55	<13	PASS
		1	24	6.4	<13	PASS
		1	49	6.48	<13	PASS
		25	0	6.84	<13	PASS
		25	12	6.85	<13	PASS
		25	25	6.65	<13	PASS
		50	0	6.66	<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	5.87	<13	PASS
		1	37	6.08	<13	PASS
		1	74	6.11	<13	PASS
		37	0	6.18	<13	PASS
		37	18	6.11	<13	PASS
		37	38	6.12	<13	PASS
		75	0	6.48	<13	PASS
	MCH	1	0	5.96	<13	PASS
		1	37	5.92	<13	PASS
		1	74	5.8	<13	PASS
		37	0	6.02	<13	PASS
		37	18	5.99	<13	PASS
		37	38	5.96	<13	PASS
		75	0	6.34	<13	PASS
	HCH	1	0	6.05	<13	PASS
		1	37	5.83	<13	PASS
		1	74	5.81	<13	PASS
		37	0	6.08	<13	PASS
		37	18	6.03	<13	PASS

16QAM		37	38	6.01	<13	PASS
		75	0	6.38	<13	PASS
	LCH	1	0	6.97	<13	PASS
		1	37	6.76	<13	PASS
		1	74	7.02	<13	PASS
		37	0	6.82	<13	PASS
		37	18	6.8	<13	PASS
		37	38	6.77	<13	PASS
		75	0	6.91	<13	PASS
	MCH	1	0	7.05	<13	PASS
		1	37	7.04	<13	PASS
		1	74	7.03	<13	PASS
		37	0	6.57	<13	PASS
		37	18	6.57	<13	PASS
		37	38	6.64	<13	PASS
		75	0	6.59	<13	PASS
	HCH	1	0	7.15	<13	PASS
		1	37	7	<13	PASS
		1	74	7.25	<13	PASS
		37	0	6.78	<13	PASS
		37	18	6.73	<13	PASS
		37	38	6.71	<13	PASS
		75	0	6.8	<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	5.76	<13	PASS
		1	49	5.66	<13	PASS
		1	99	5.75	<13	PASS
		50	0	6.08	<13	PASS
		50	25	6.09	<13	PASS
		50	50	5.92	<13	PASS
		100	0	6.05	<13	PASS
	MCH	1	0	5.82	<13	PASS
		1	49	5.71	<13	PASS
		1	99	6.05	<13	PASS
		50	0	5.9	<13	PASS
		50	25	5.9	<13	PASS
		50	50	5.85	<13	PASS

	HCH	100	0	5.86	<13	PASS
		1	0	5.52	<13	PASS
		1	49	5.96	<13	PASS
		1	99	5.81	<13	PASS
		50	0	6.04	<13	PASS
		50	25	6.12	<13	PASS
		50	50	6.02	<13	PASS
		100	0	6.11	<13	PASS
16QAM	LCH	1	0	7.25	<13	PASS
		1	49	6.95	<13	PASS
		1	99	7.36	<13	PASS
		50	0	6.78	<13	PASS
		50	25	6.84	<13	PASS
		50	50	6.64	<13	PASS
		100	0	6.75	<13	PASS
	MCH	1	0	7.36	<13	PASS
		1	49	6.45	<13	PASS
		1	99	6.73	<13	PASS
		50	0	6.59	<13	PASS
		50	25	6.61	<13	PASS
		50	50	6.64	<13	PASS
		100	0	6.55	<13	PASS
	HCH	1	0	7.37	<13	PASS
		1	49	7.54	<13	PASS
		1	99	7.36	<13	PASS
		50	0	6.82	<13	PASS
		50	25	6.79	<13	PASS
		50	50	6.74	<13	PASS
		100	0	6.76	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



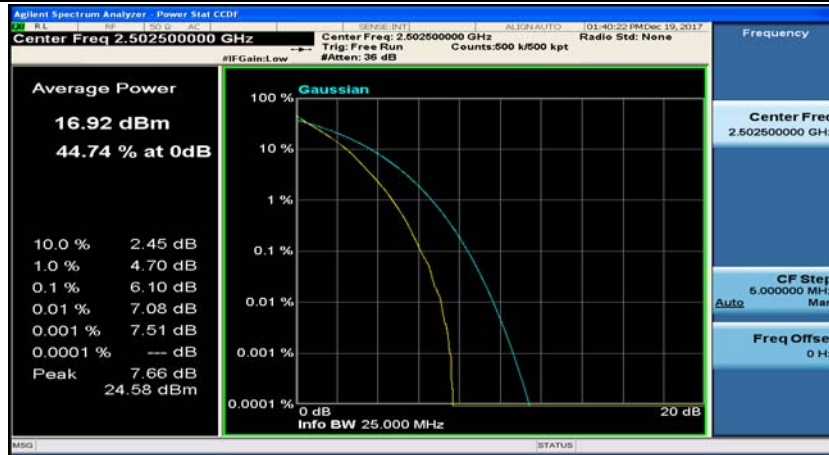
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



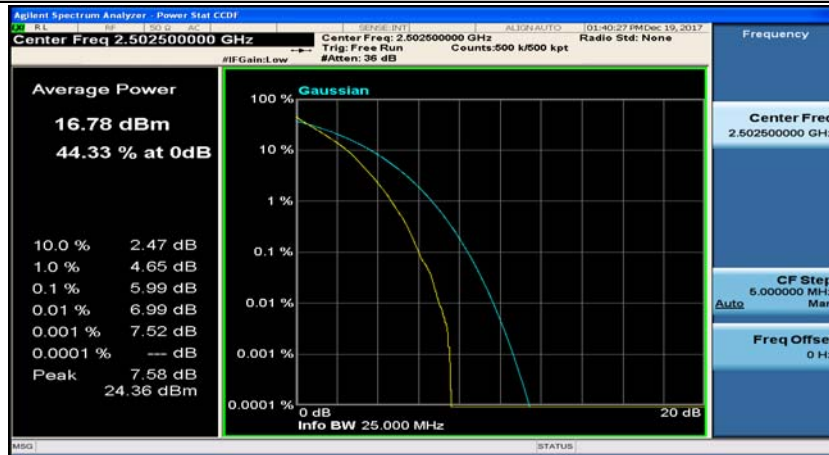
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



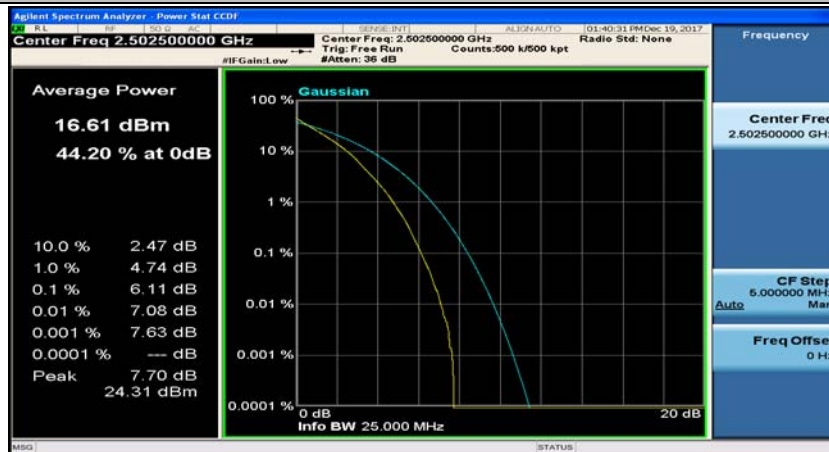
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



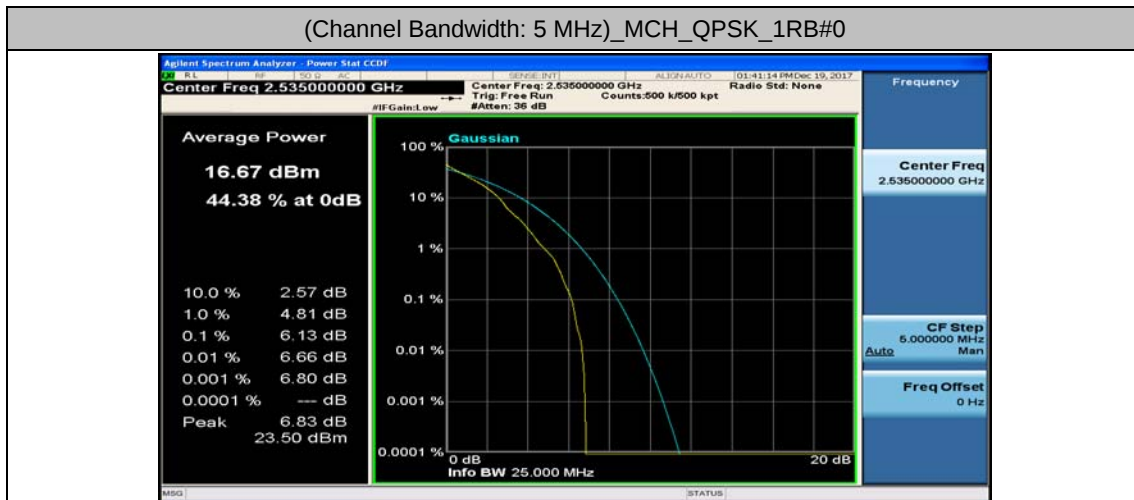
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



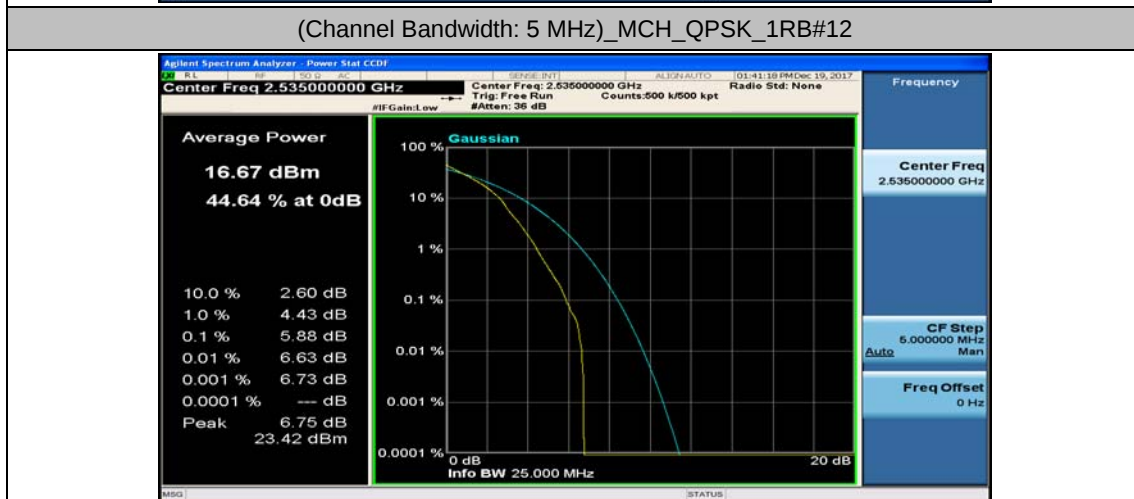
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



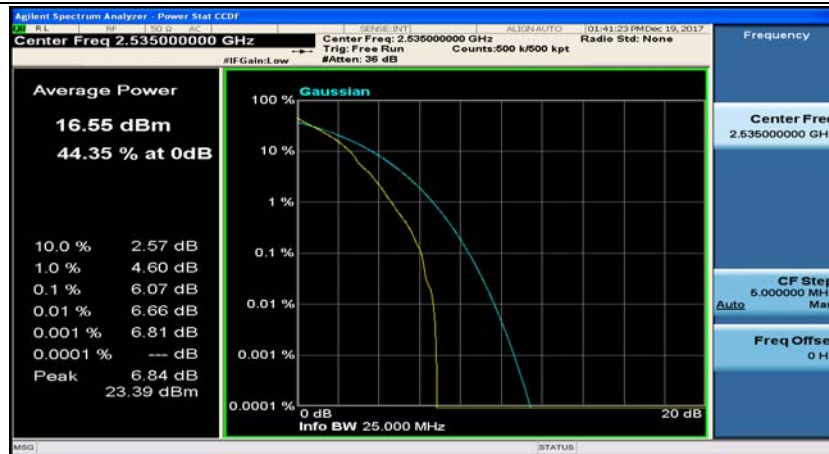
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



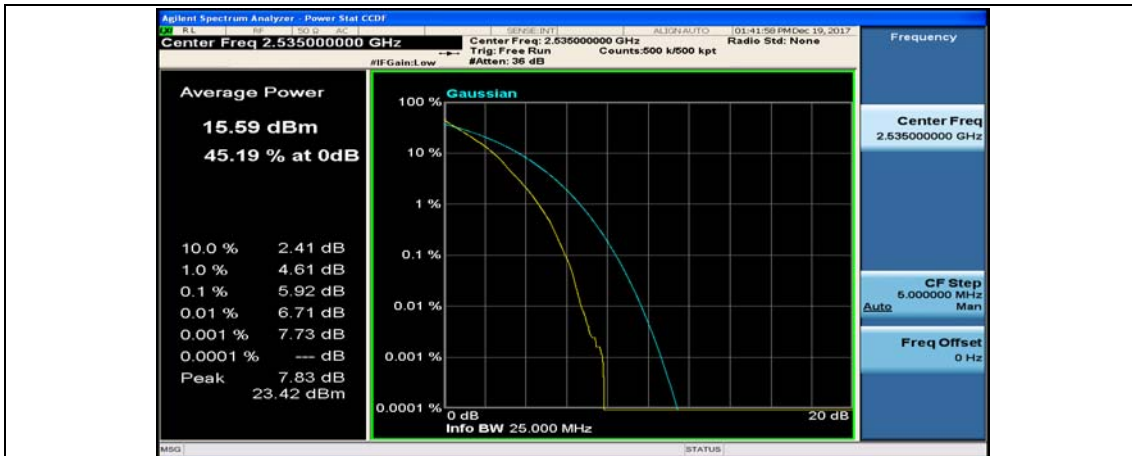
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



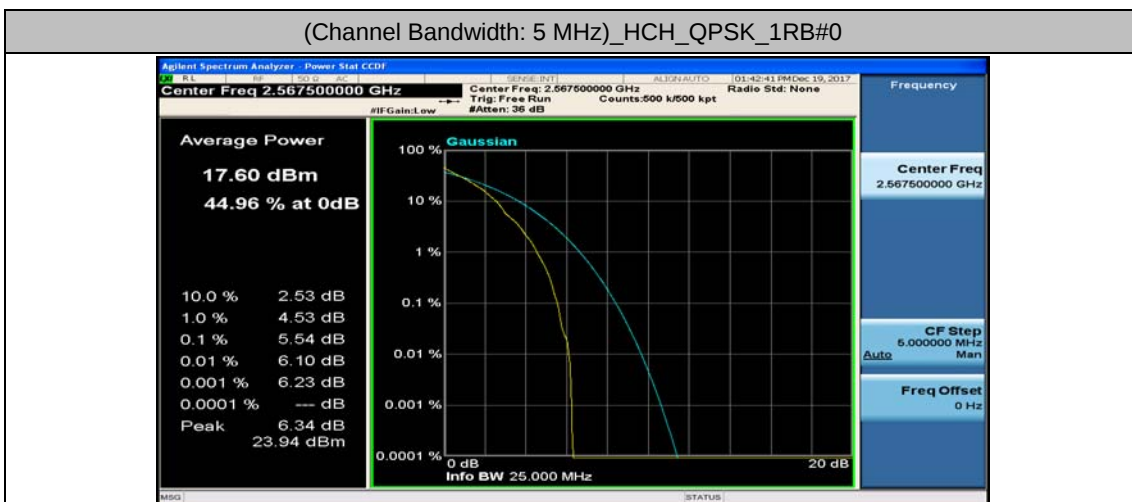
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



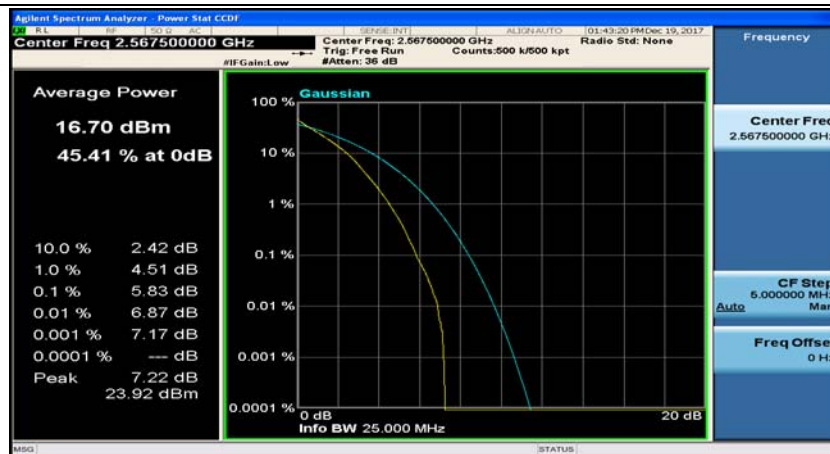
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



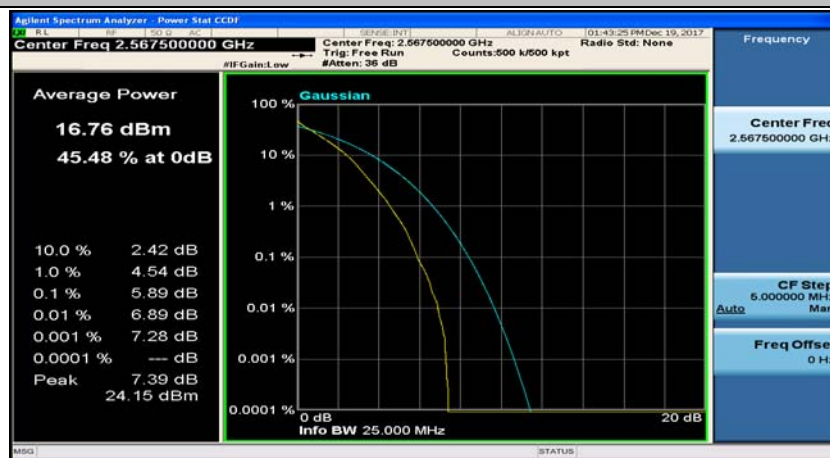
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



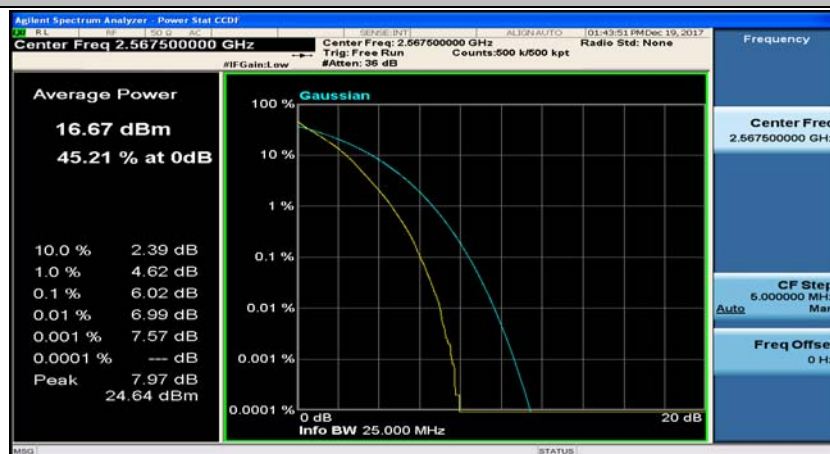
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



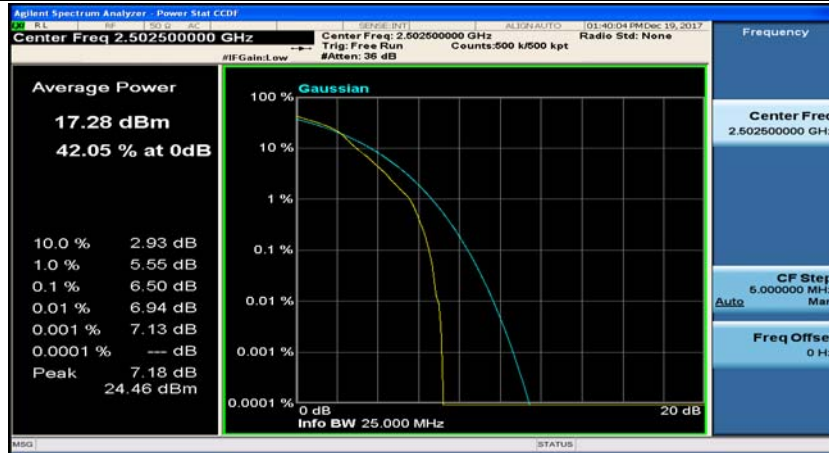
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



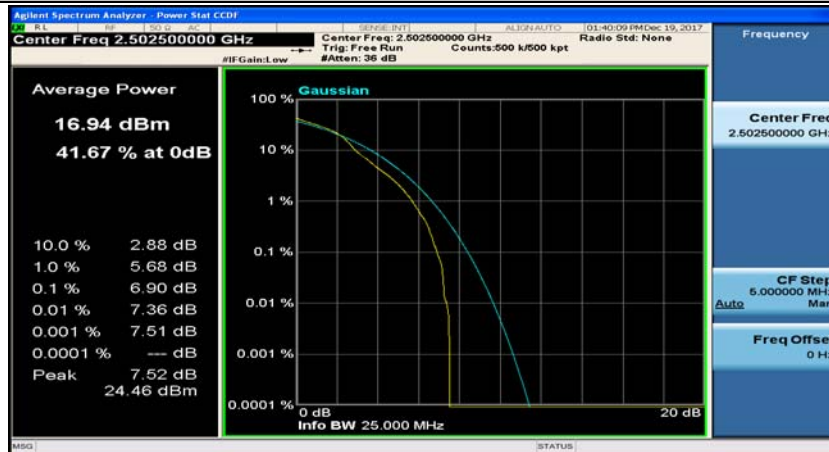
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



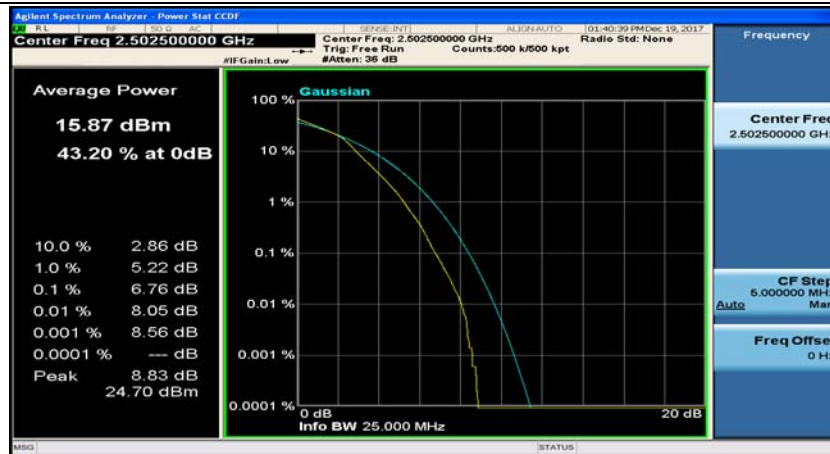
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



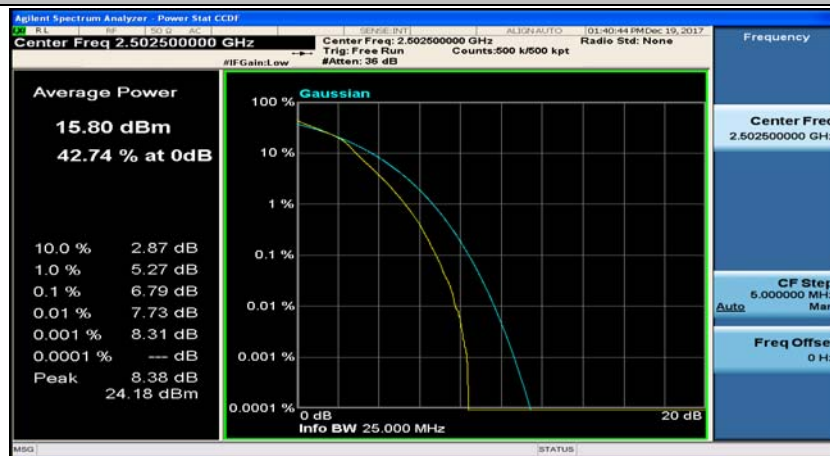
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



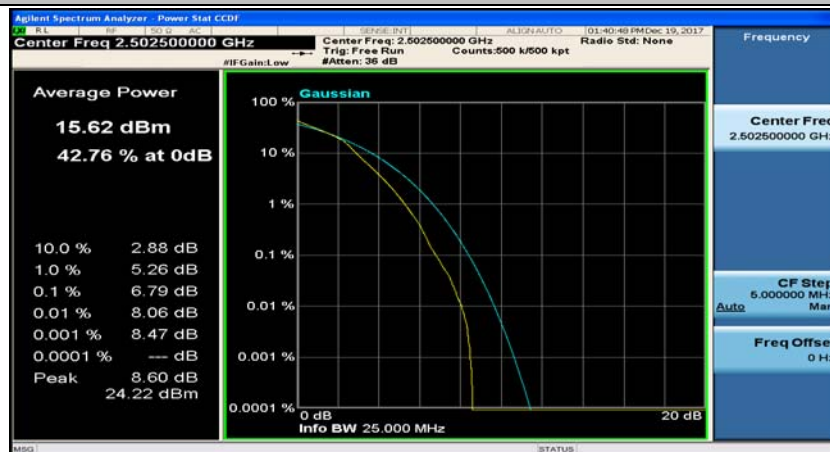
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



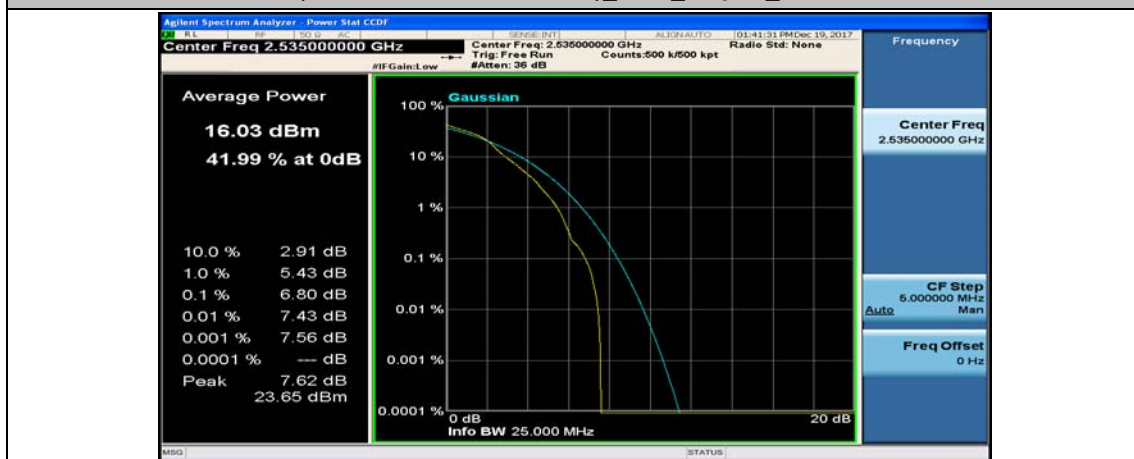
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



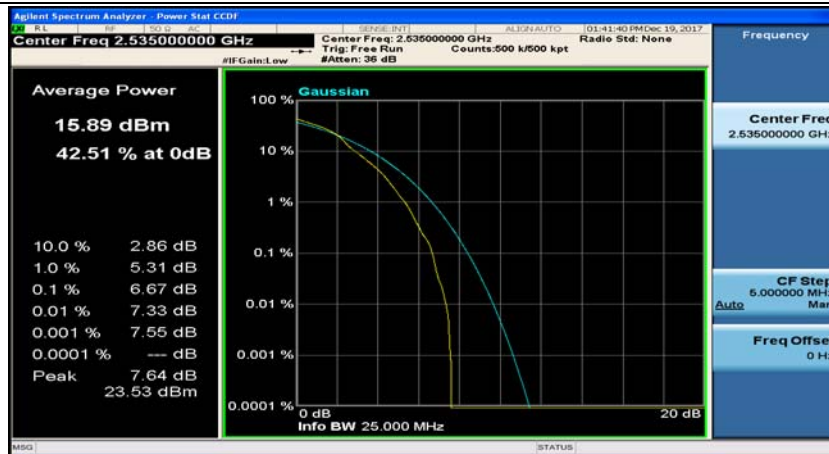
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



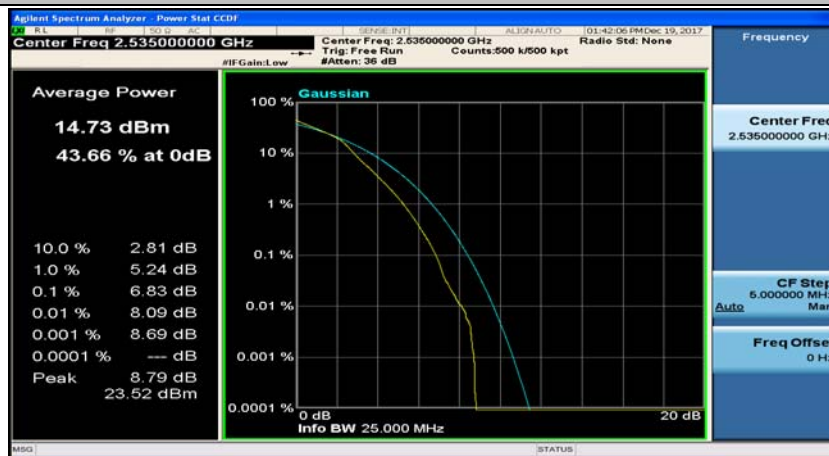
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



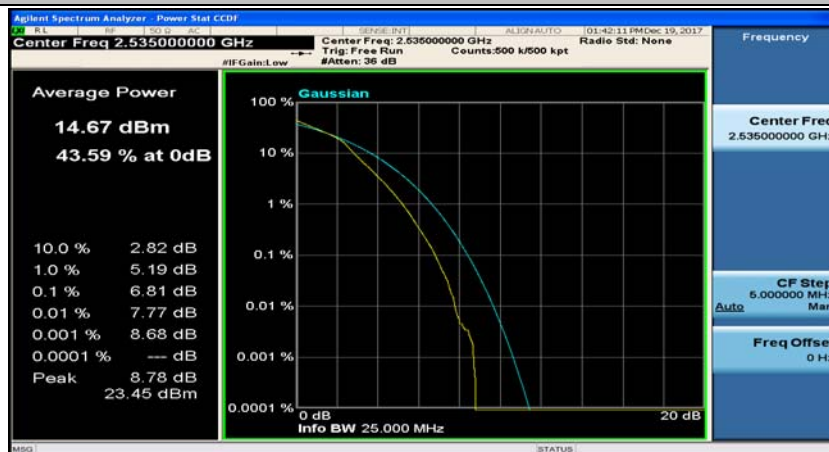
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



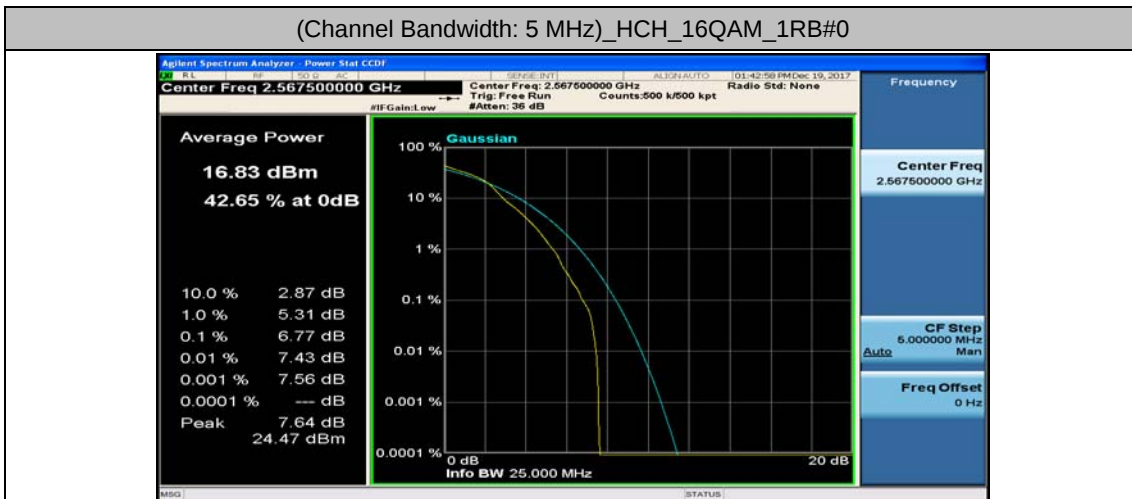
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



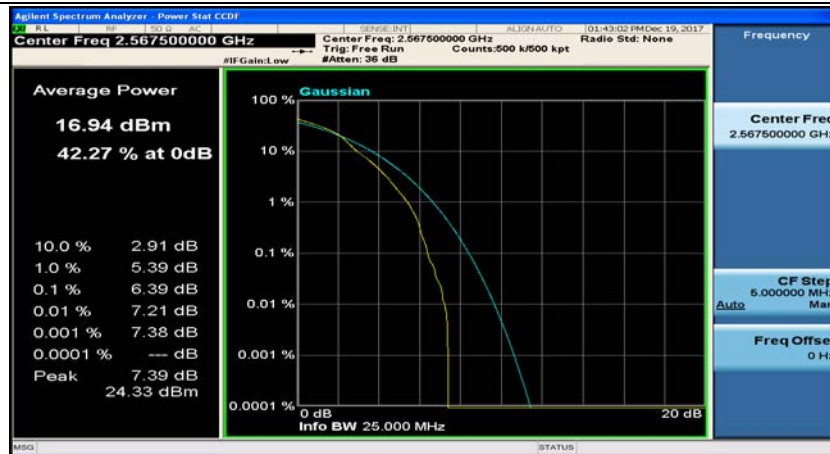
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



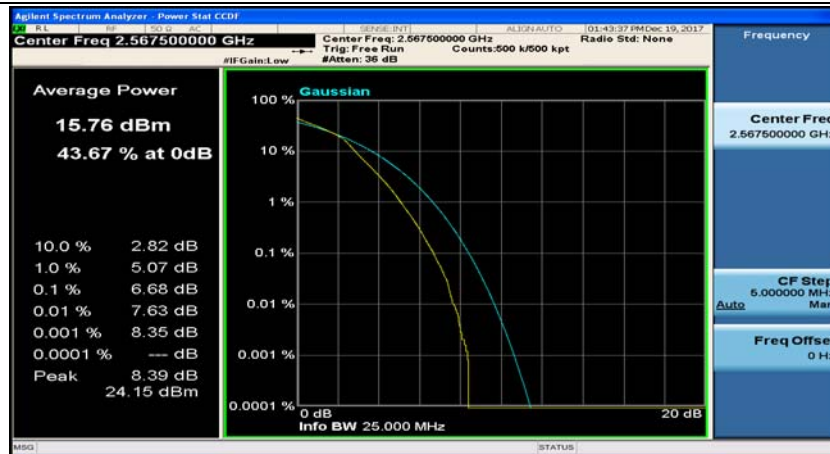
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



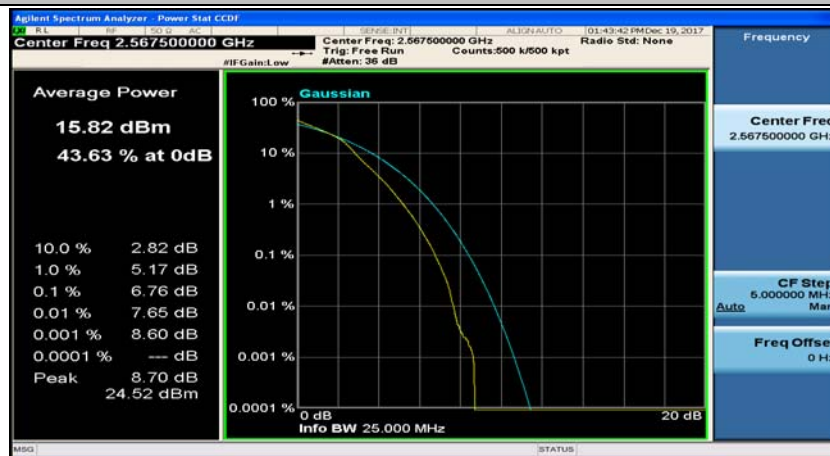
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



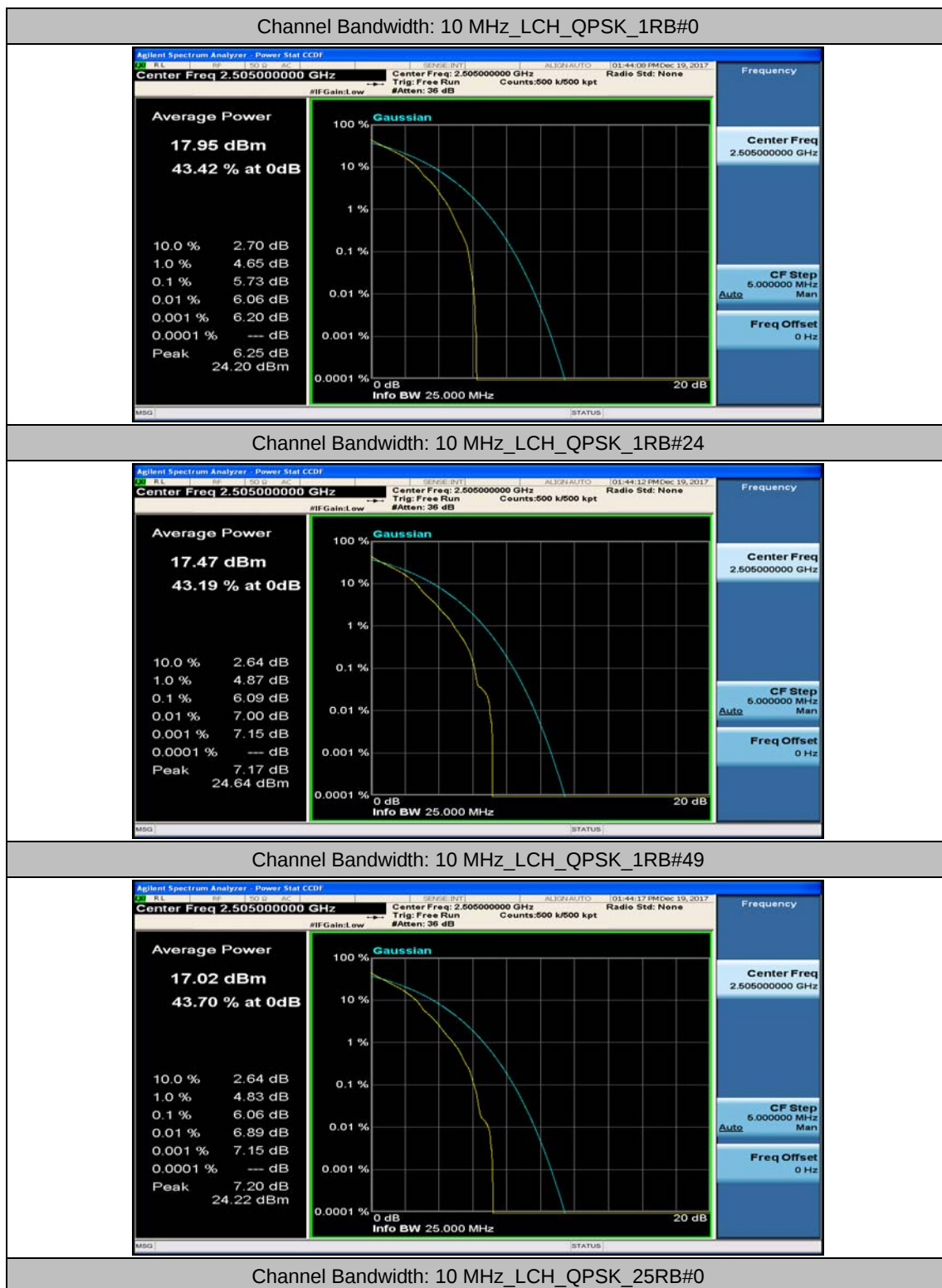
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

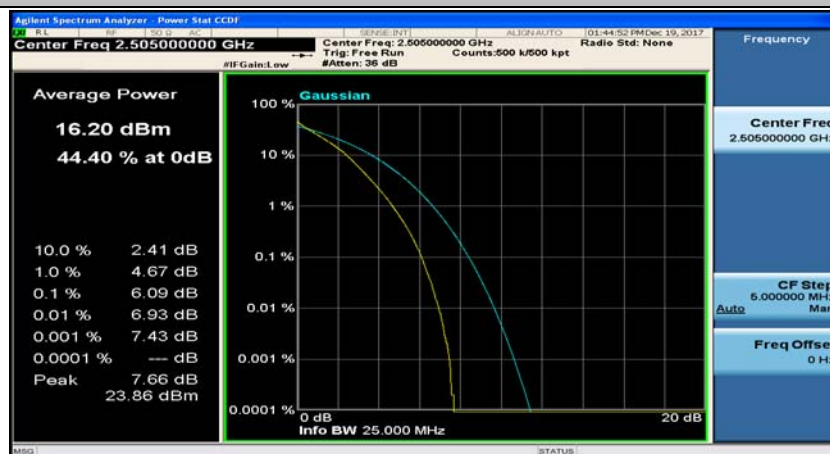
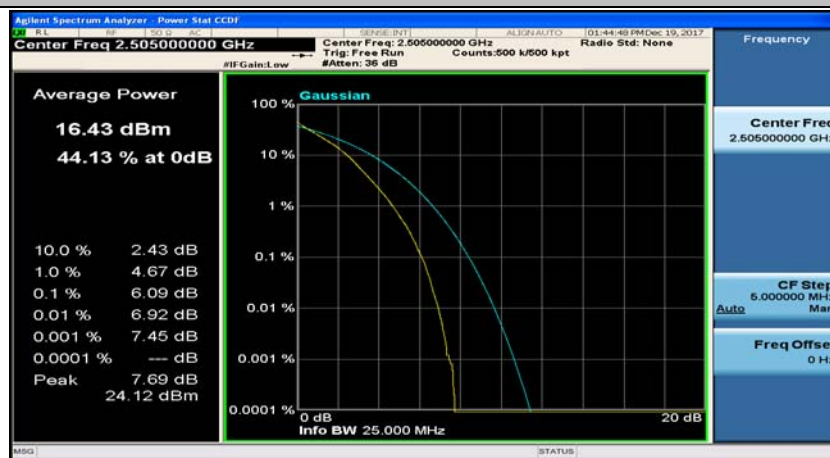
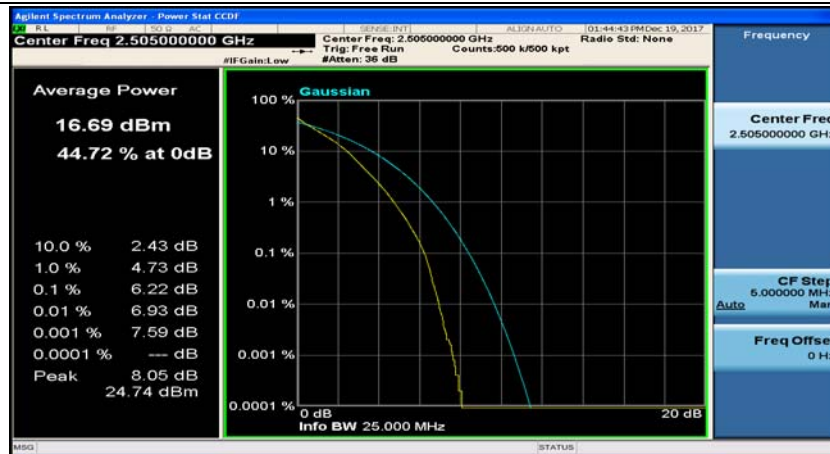


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



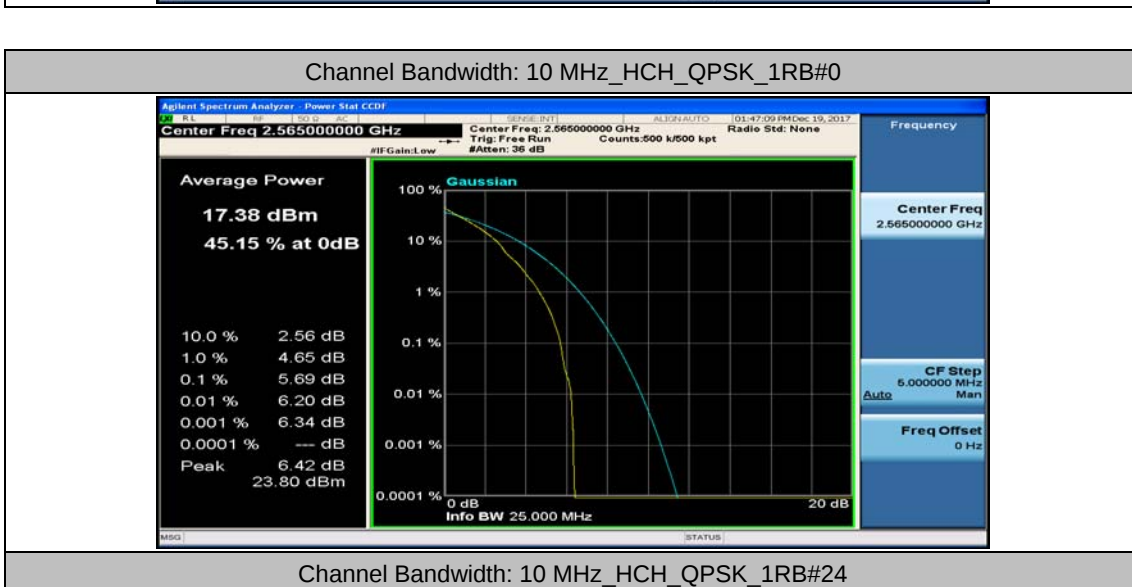
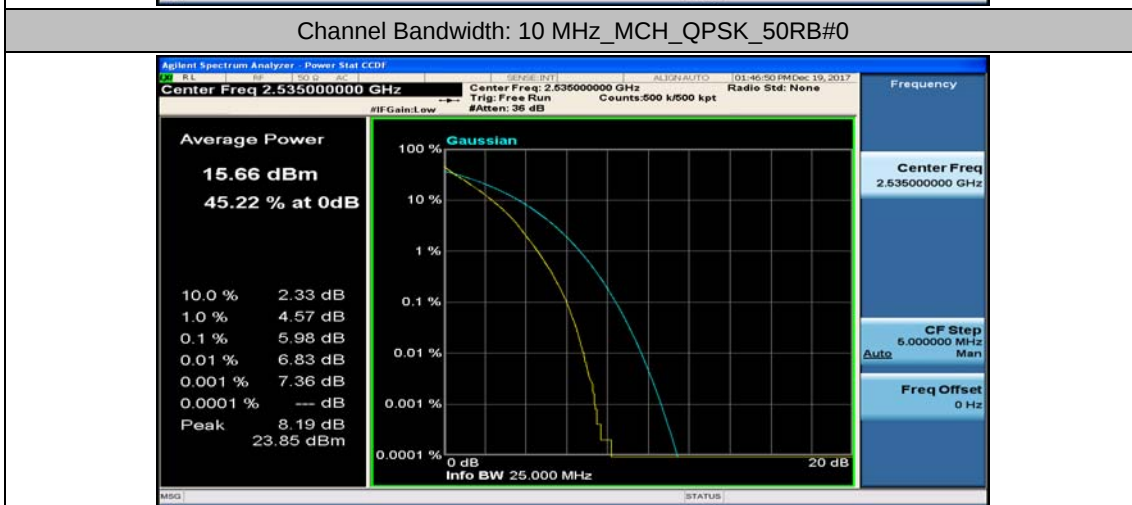
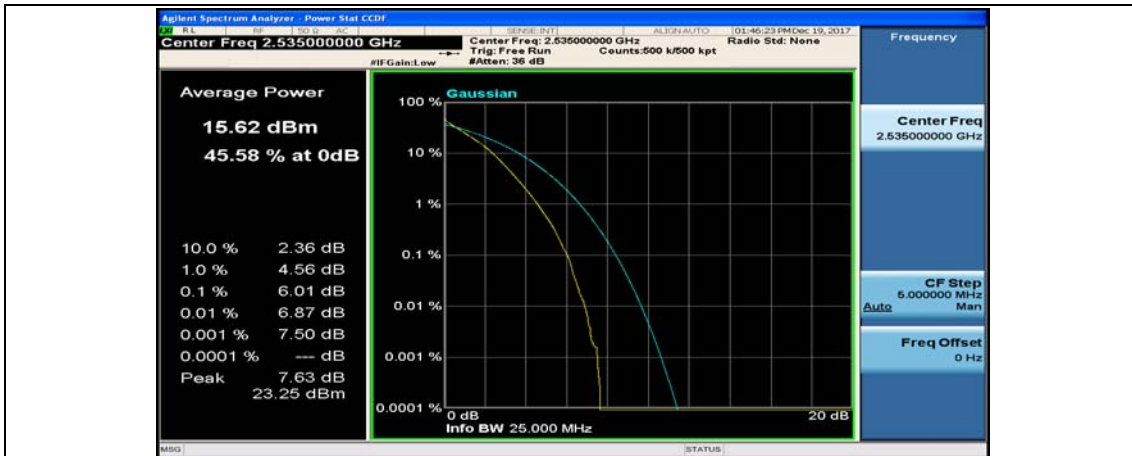
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

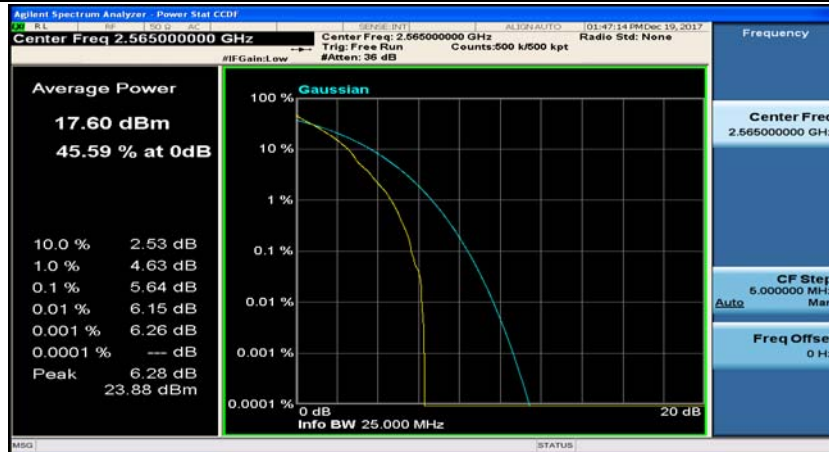


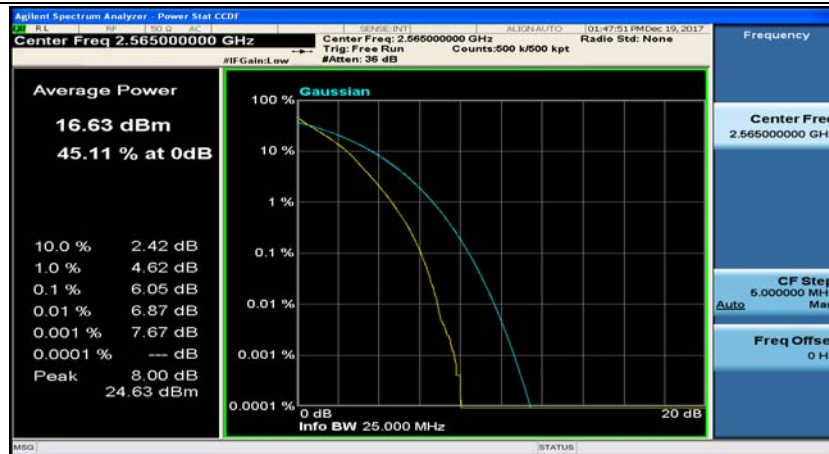
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25







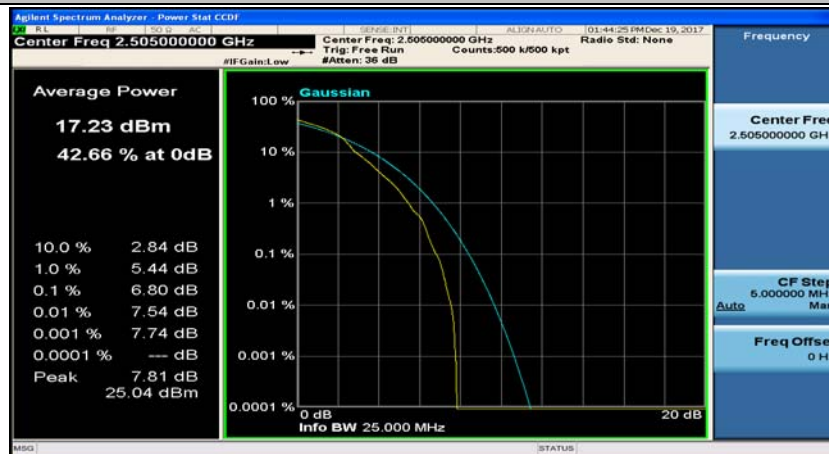
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



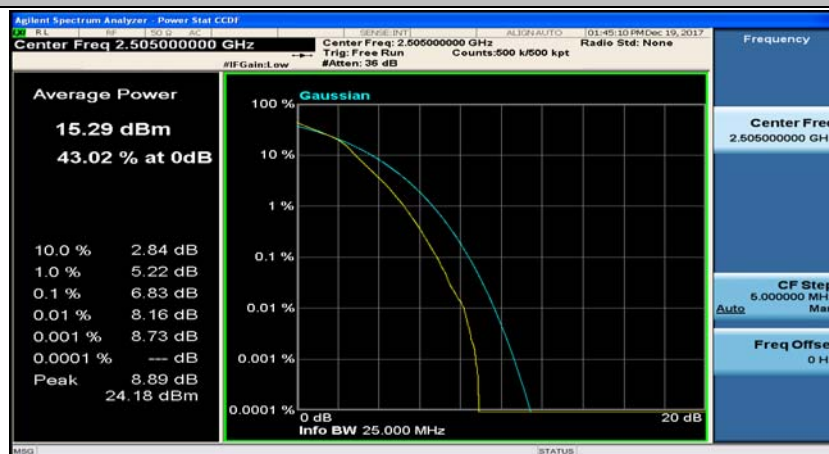
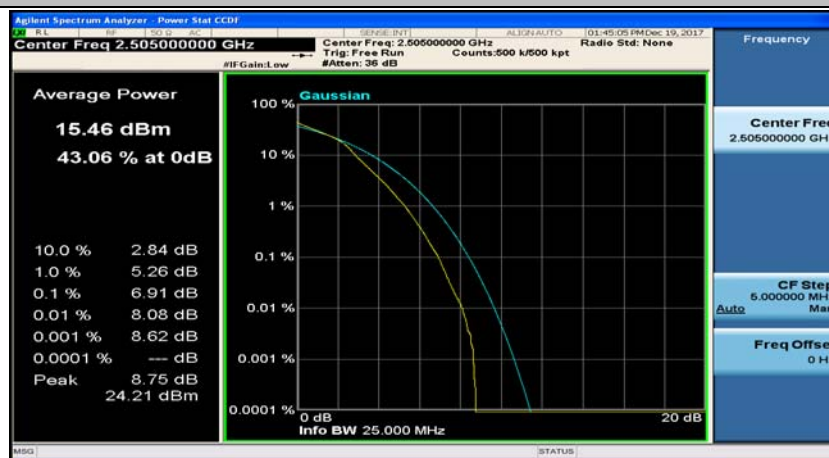
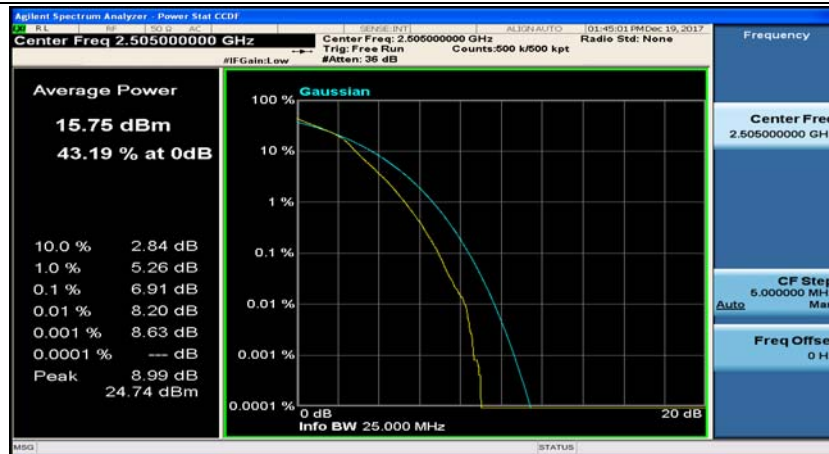
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

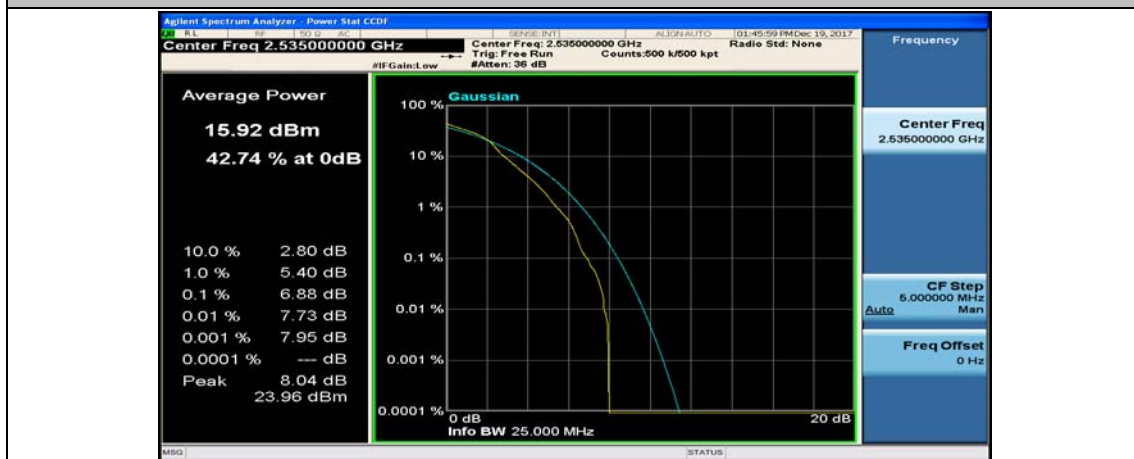




Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



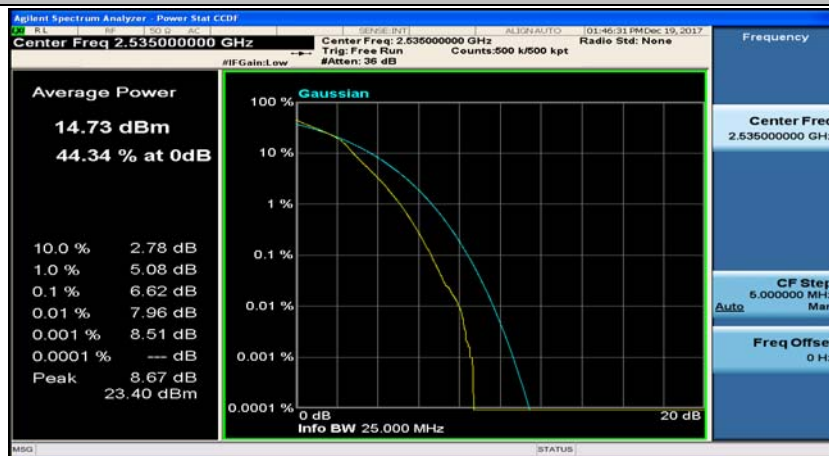
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



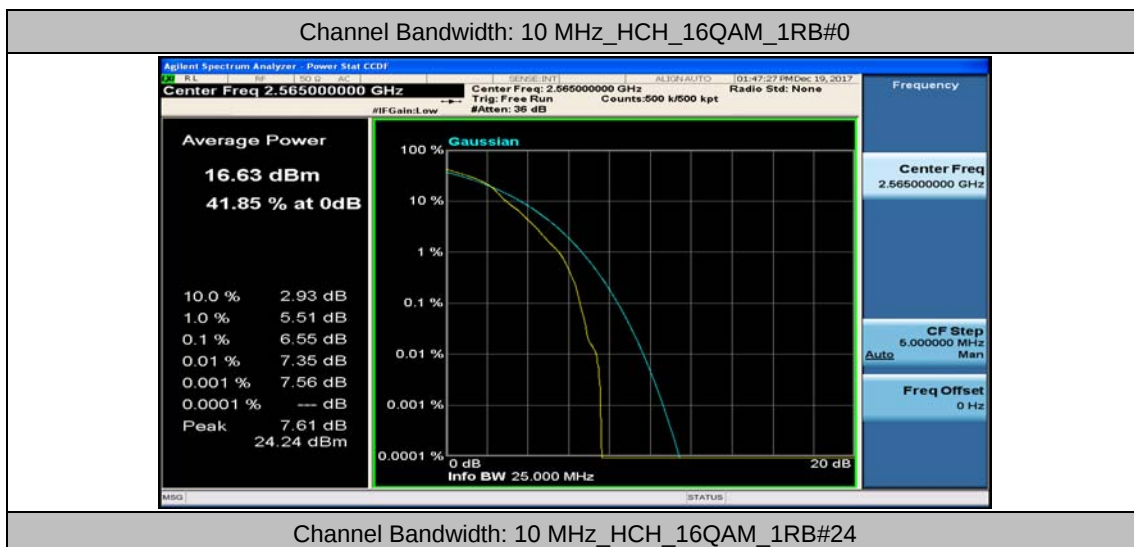
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

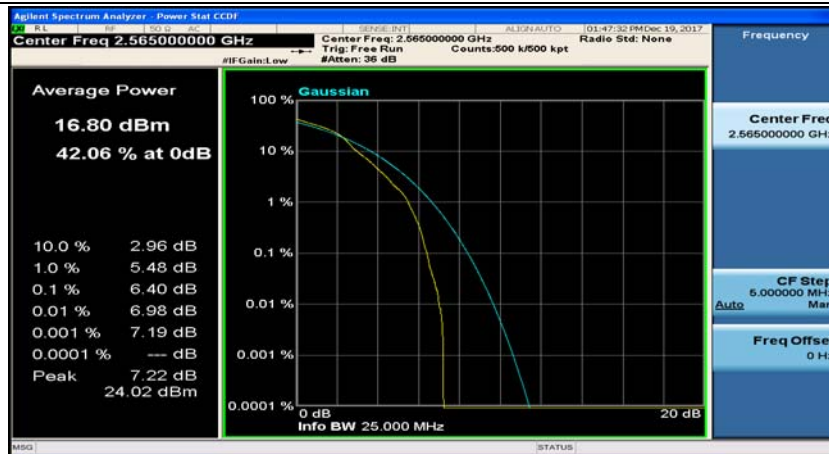


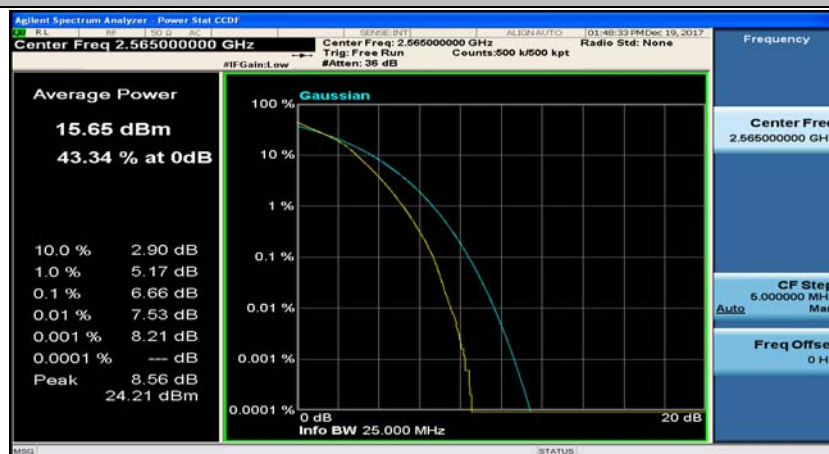
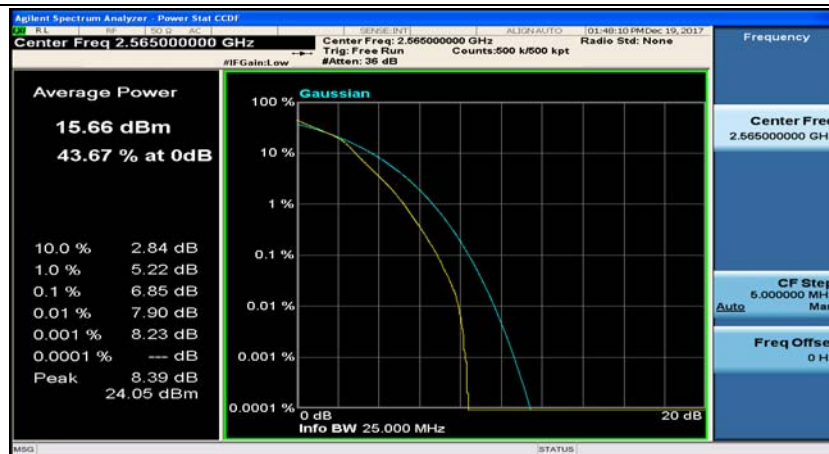
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

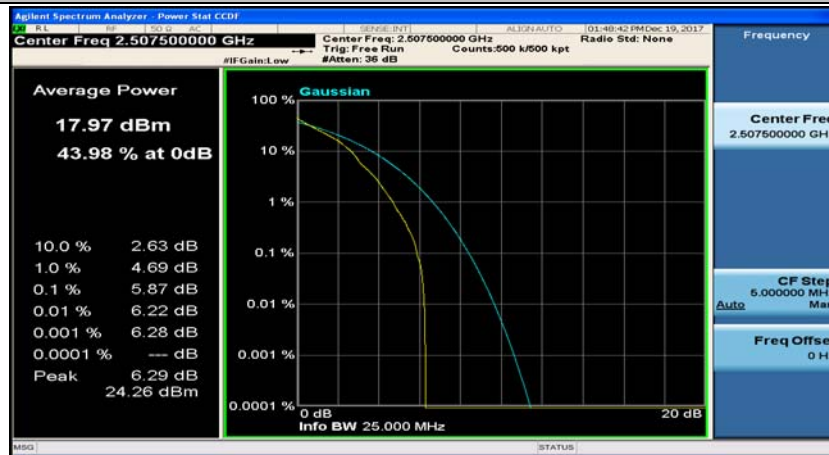




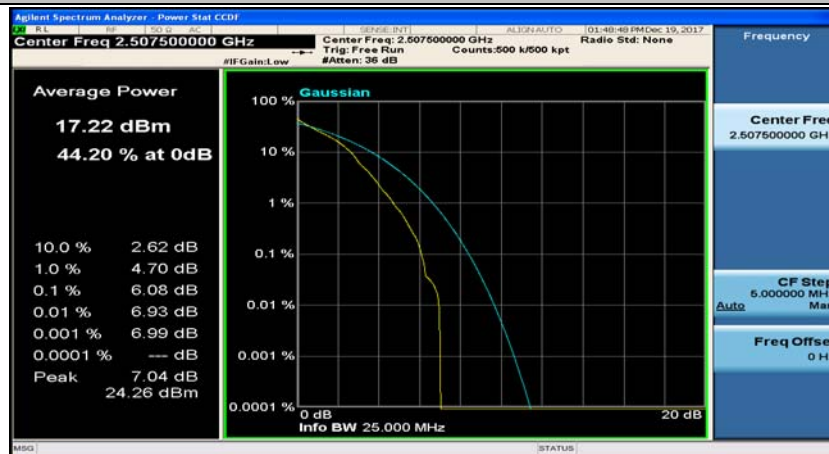


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



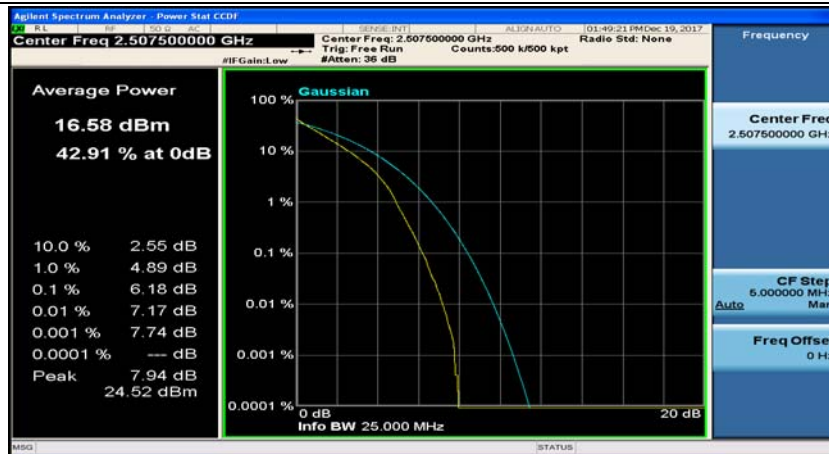
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



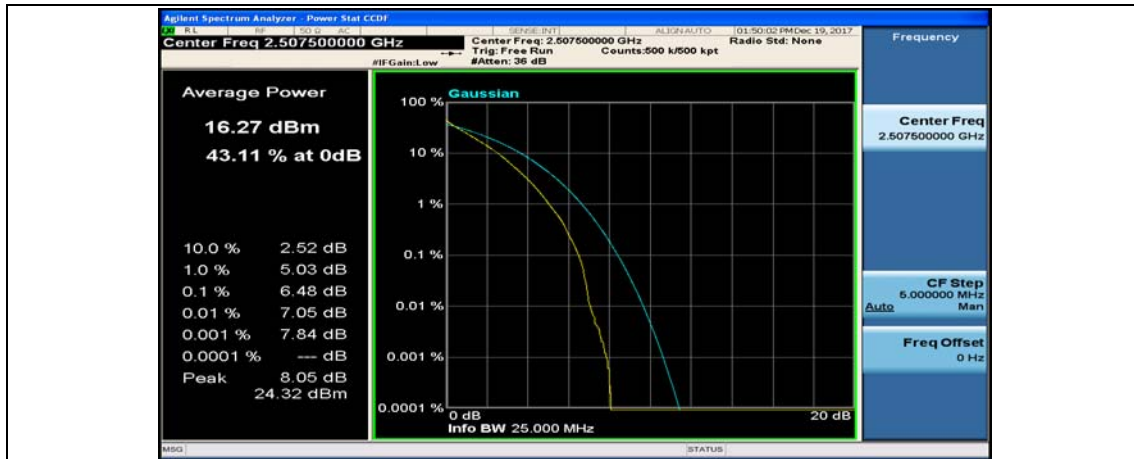
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



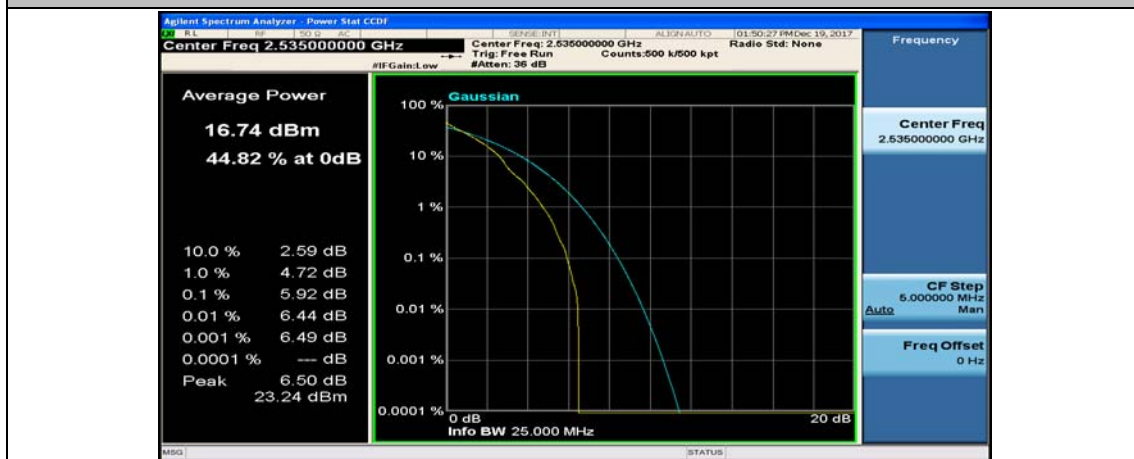
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



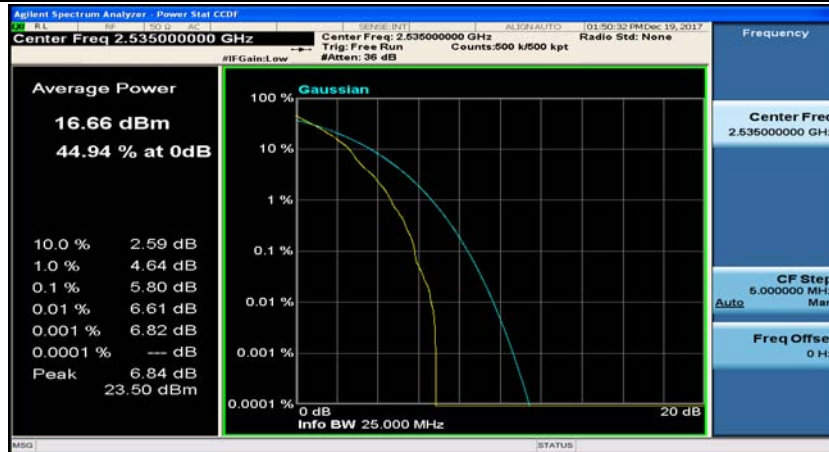
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



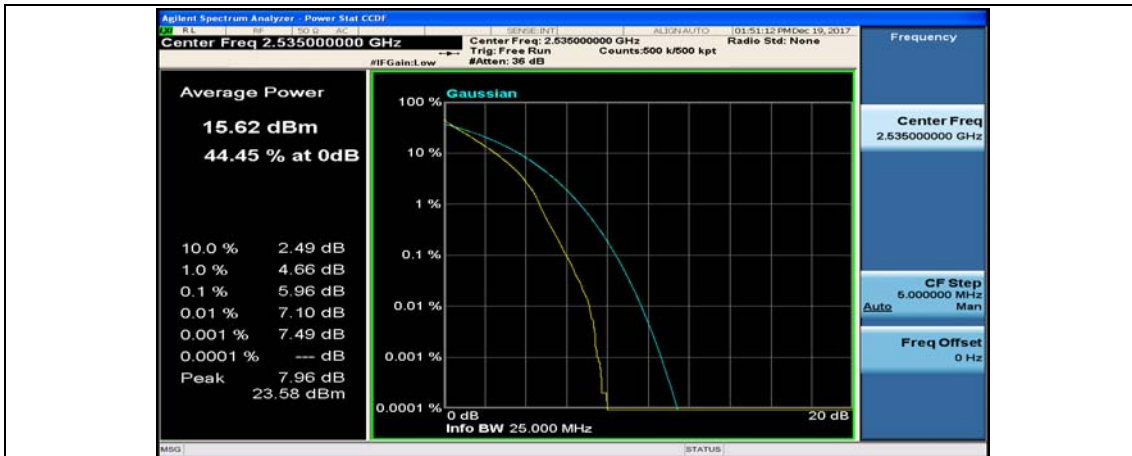
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



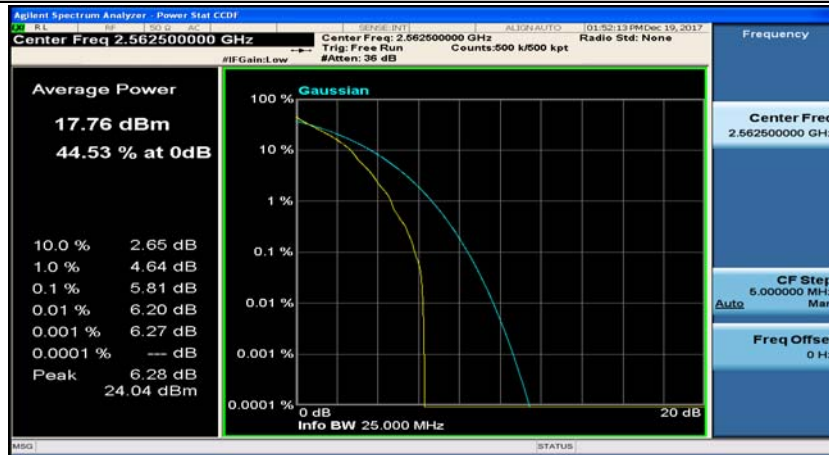
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



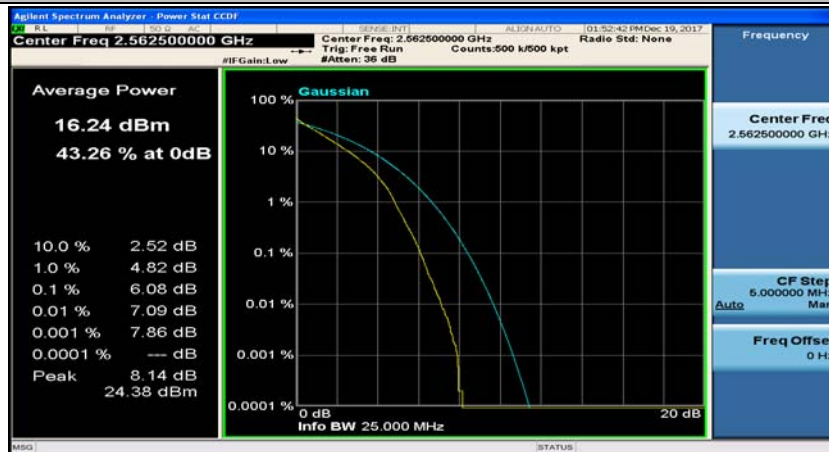
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



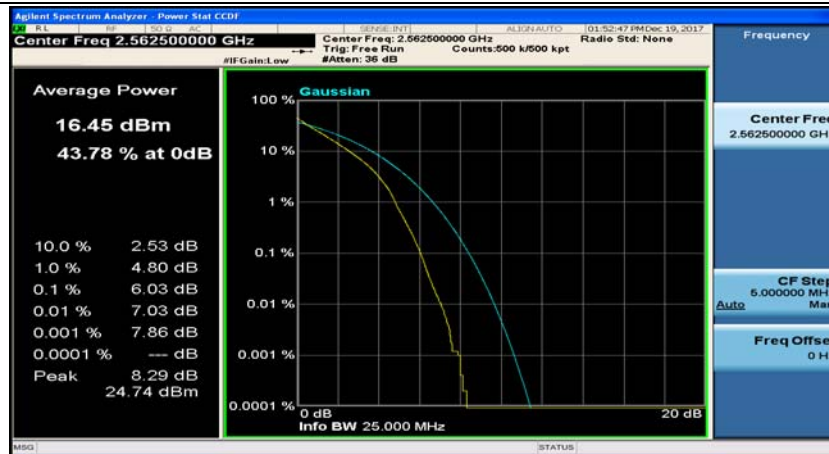
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



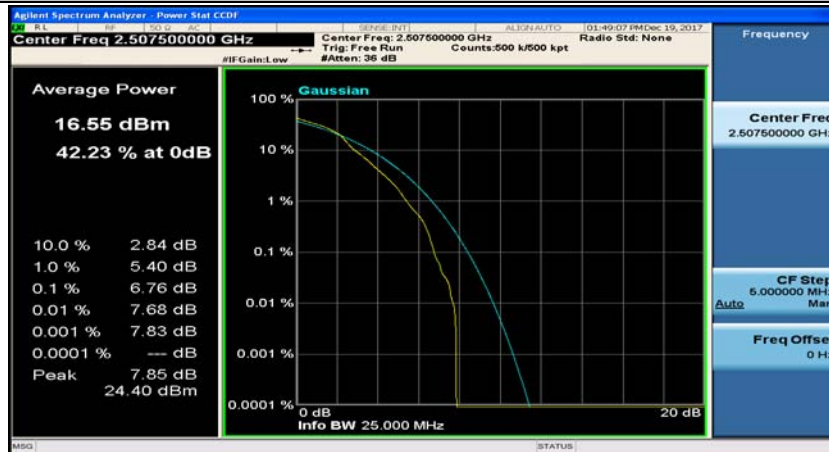
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



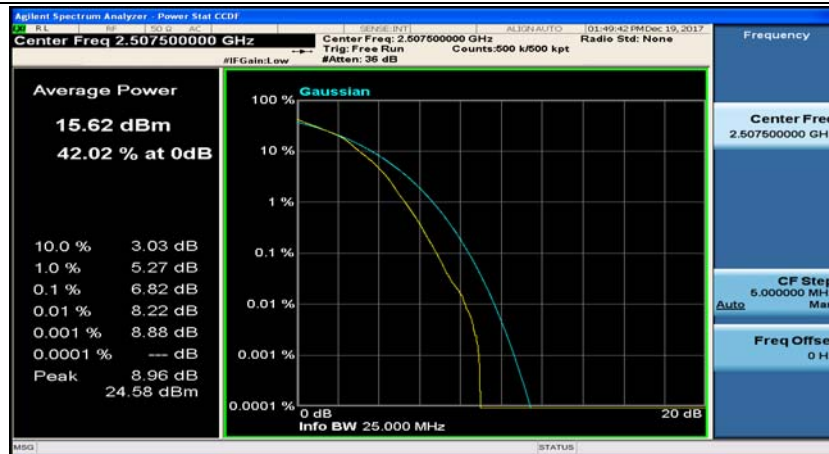
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



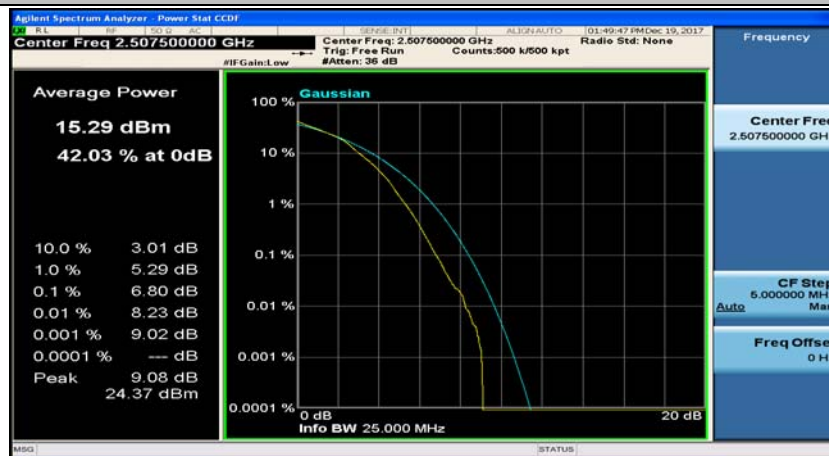
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



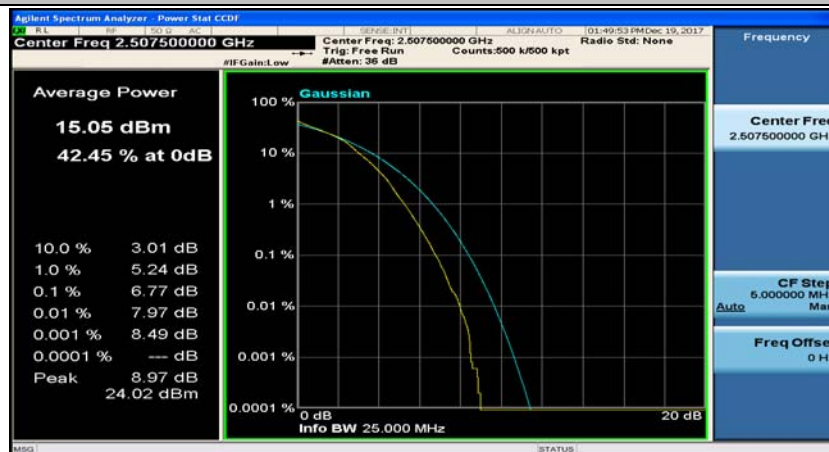
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



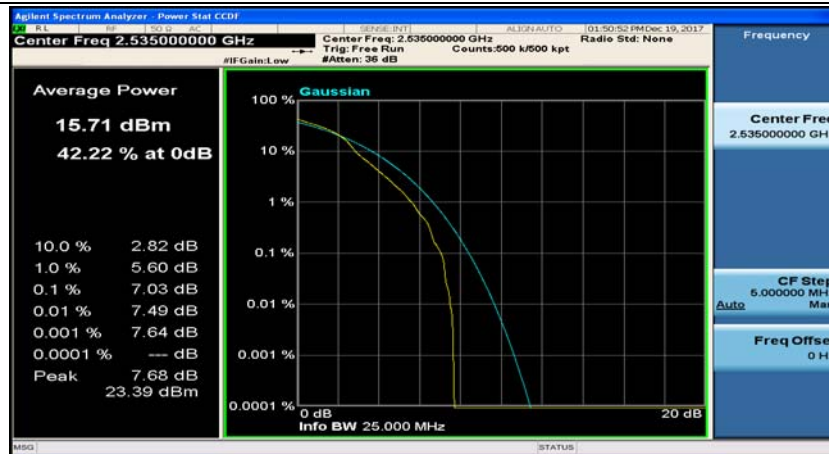
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



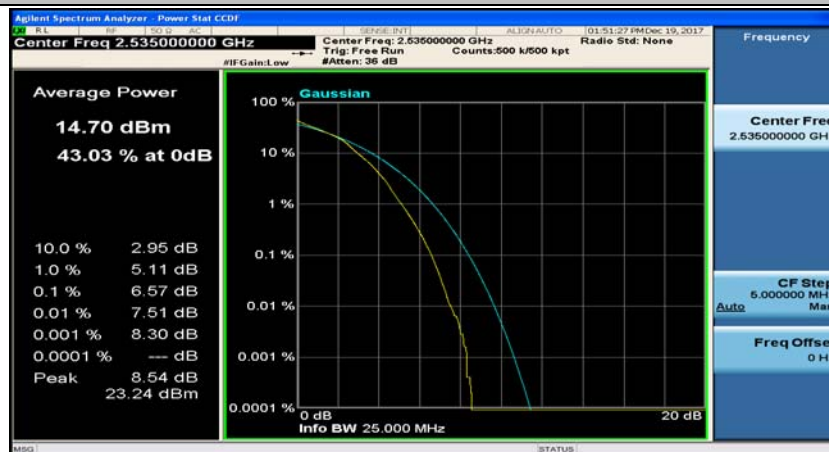
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18



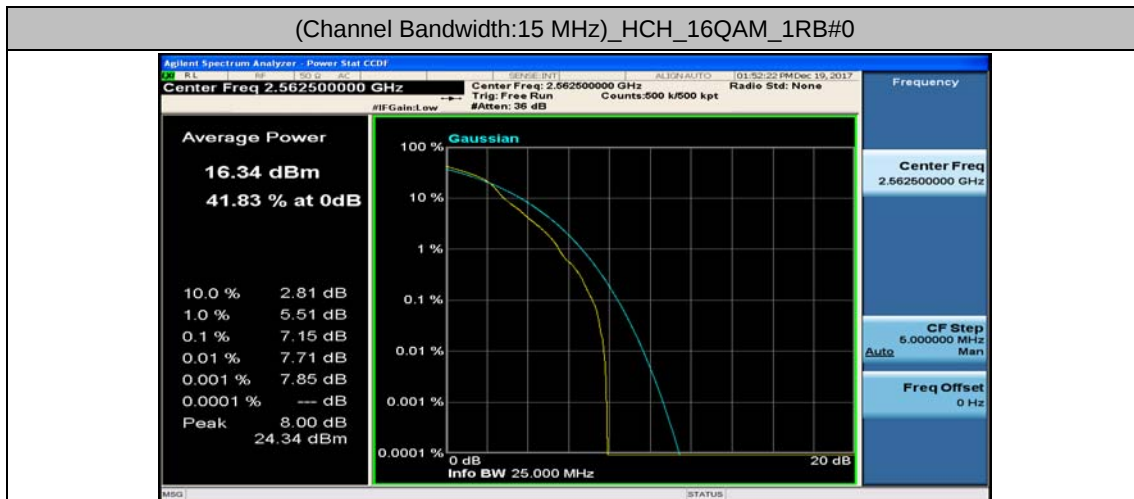
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38



(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37