

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	23.37	PASS
		1	12	23.51	PASS
		1	24	23.53	PASS
		12	0	22.56	PASS
		12	6	22.60	PASS
		12	13	22.61	PASS
		25	0	22.55	PASS
	MCH	1	0	23.77	PASS
		1	12	23.84	PASS
		1	24	23.90	PASS
		12	0	23.28	PASS
		12	6	23.41	PASS
		12	13	23.02	PASS
		25	0	22.67	PASS
	HCH	1	0	23.20	PASS
		1	12	23.18	PASS
		1	24	23.04	PASS
		12	0	22.23	PASS
		12	6	22.20	PASS
		12	13	22.13	PASS
		25	0	22.09	PASS
16QAM	LCH	1	0	23.63	PASS
		1	12	23.71	PASS
		1	24	23.72	PASS
		12	0	22.63	PASS
		12	6	22.66	PASS
		12	13	22.69	PASS
		25	0	22.54	PASS
	MCH	1	0	23.25	PASS
		1	12	23.23	PASS
		1	24	22.48	PASS
		12	0	22.96	PASS

		12	6	22.71	PASS
		12	13	23.27	PASS
		25	0	22.54	PASS
	HCH	1	0	22.18	PASS
		1	12	22.21	PASS
		1	24	22.00	PASS
		12	0	21.30	PASS
		12	6	21.27	PASS
		12	13	21.22	PASS
		25	0	21.23	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	24	23.09	PASS
		1	49	23.50	PASS
		25	0	22.48	PASS
		25	12	22.52	PASS
		25	25	22.48	PASS
		50	0	22.05	PASS
	MCH	1	0	23.69	PASS
		1	24	23.62	PASS
		1	49	23.59	PASS
		25	0	22.62	PASS
		25	12	22.63	PASS
		25	25	22.60	PASS
		50	0	22.66	PASS
	HCH	1	0	23.34	PASS
		1	24	23.22	PASS
		1	49	23.03	PASS
		25	0	22.25	PASS
		25	12	22.23	PASS
		25	25	22.16	PASS
		50	0	22.26	PASS
16QAM	LCH	1	0	22.56	PASS
		1	24	22.65	PASS
		1	49	22.69	PASS
		25	0	22.10	PASS
		25	12	22.41	PASS
		25	25	22.57	PASS
		50	0	21.61	PASS

	MCH	1	0	22.70	PASS
		1	24	22.72	PASS
		1	49	22.66	PASS
		25	0	21.70	PASS
		25	12	21.67	PASS
		25	25	21.50	PASS
		50	0	21.73	PASS
	HCH	1	0	22.54	PASS
		1	24	22.43	PASS
		1	49	22.24	PASS
		25	0	21.33	PASS
		25	12	21.28	PASS
		25	25	21.21	PASS
		50	0	21.37	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.51	PASS
		1	37	23.56	PASS
		1	74	23.55	PASS
		37	0	22.69	PASS
		37	18	22.68	PASS
		37	38	22.74	PASS
		75	0	22.72	PASS
	MCH	1	0	23.70	PASS
		1	37	23.63	PASS
		1	74	23.53	PASS
		37	0	22.79	PASS
		37	18	22.77	PASS
		37	38	22.73	PASS
		75	0	22.76	PASS
	HCH	1	0	23.58	PASS
		1	37	23.49	PASS
		1	74	23.23	PASS
		37	0	22.51	PASS
		37	18	22.43	PASS
		37	38	22.34	PASS
		75	0	22.45	PASS
16QAM	LCH	1	0	22.66	PASS
		1	37	22.79	PASS
		1	74	22.76	PASS

		37	0	21.68	PASS
		37	18	21.66	PASS
		37	38	21.70	PASS
		75	0	21.71	PASS
	MCH	1	0	22.87	PASS
		1	37	22.89	PASS
		1	74	22.72	PASS
		37	0	21.75	PASS
		37	18	21.74	PASS
		37	38	21.69	PASS
		75	0	21.76	PASS
	HCH	1	0	22.60	PASS
		1	37	22.48	PASS
		1	74	22.18	PASS
		37	0	21.50	PASS
		37	18	21.41	PASS
		37	38	21.31	PASS
		75	0	21.42	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.61	PASS
		1	49	23.64	PASS
		1	99	23.65	PASS
		50	0	22.56	PASS
		50	25	22.55	PASS
		50	50	22.62	PASS
		100	0	22.56	PASS
	MCH	1	0	24.05	PASS
		1	49	23.69	PASS
		1	99	23.63	PASS
		50	0	23.68	PASS
		50	25	22.64	PASS
		50	50	22.63	PASS
		100	0	22.63	PASS
	HCH	1	0	23.43	PASS
		1	49	23.41	PASS
		1	99	23.21	PASS
		50	0	22.49	PASS
		50	25	22.44	PASS
		50	50	22.34	PASS

		100	0	22.39	PASS
16QAM	LCH	1	0	22.66	PASS
		1	49	22.68	PASS
		1	99	22.71	PASS
		50	0	21.58	PASS
		50	25	21.59	PASS
		50	50	21.64	PASS
		100	0	21.60	PASS
	MCH	1	0	22.82	PASS
		1	49	22.73	PASS
		1	99	22.68	PASS
		50	0	21.72	PASS
		50	25	21.67	PASS
		50	50	21.67	PASS
		100	0	21.69	PASS
	HCH	1	0	22.74	PASS
		1	49	22.65	PASS
		1	99	22.41	PASS
		50	0	21.56	PASS
		50	25	21.51	PASS
		50	50	21.43	PASS
		100	0	21.48	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	2.82	<13	PASS
		1	12	2.79	<13	PASS
		1	24	2.73	<13	PASS
		12	0	3.82	<13	PASS
		12	6	3.73	<13	PASS
		12	13	3.71	<13	PASS
		25	0	3.79	<13	PASS
	MCH	1	0	2.57	<13	PASS
		1	12	3.02	<13	PASS
		1	24	2.85	<13	PASS
		12	0	3.85	<13	PASS
		12	6	3.92	<13	PASS
		12	13	4.04	<13	PASS
		25	0	4.05	<13	PASS
	HCH	1	0	3.08	<13	PASS
		1	12	3.03	<13	PASS
		1	24	3.31	<13	PASS
		12	0	4.95	<13	PASS
		12	6	5.12	<13	PASS
		12	13	4.89	<13	PASS
		25	0	4.72	<13	PASS
16QAM	LCH	1	0	3.89	<13	PASS
		1	12	3.74	<13	PASS
		1	24	3.62	<13	PASS
		12	0	4.72	<13	PASS
		12	6	4.64	<13	PASS
		12	13	4.61	<13	PASS
		25	0	4.73	<13	PASS

	MCH	1	0	3.7	<13	PASS
		1	12	3.89	<13	PASS
		1	24	3.99	<13	PASS
		12	0	4.77	<13	PASS
		12	6	4.81	<13	PASS
		12	13	4.92	<13	PASS
		25	0	4.94	<13	PASS
	HCH	1	0	4.59	<13	PASS
		1	12	4.15	<13	PASS
		1	24	4.16	<13	PASS
		12	0	5.22	<13	PASS
		12	6	5.21	<13	PASS
		12	13	5.2	<13	PASS
		25	0	5.55	<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	2.78	<13	PASS
		1	24	3.06	<13	PASS
		1	49	3.44	<13	PASS
		25	0	4.17	<13	PASS
		25	12	4.18	<13	PASS
		25	25	4.72	<13	PASS
		50	0	4.38	<13	PASS
	MCH	1	0	3.37	<13	PASS
		1	24	3.64	<13	PASS
		1	49	3.74	<13	PASS
		25	0	4.69	<13	PASS
		25	12	4.76	<13	PASS
		25	25	5.02	<13	PASS
		50	0	4.97	<13	PASS
	HCH	1	0	3.8	<13	PASS
		1	24	3.72	<13	PASS
		1	49	3.57	<13	PASS
		25	0	5	<13	PASS
		25	12	5.15	<13	PASS
		25	25	5.21	<13	PASS
		50	0	5.27	<13	PASS
16QAM	LCH	1	0	4.19	<13	PASS

		1	24	4.31	<13	PASS
		1	49	4.76	<13	PASS
		25	0	4.6	<13	PASS
		25	12	4.4	<13	PASS
		25	25	4.48	<13	PASS
		50	0	4.56	<13	PASS
	MCH	1	0	4.4	<13	PASS
		1	24	4.66	<13	PASS
		1	49	4.94	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.79	<13	PASS
		25	25	5.72	<13	PASS
		50	0	5.33	<13	PASS
	HCH	1	0	4.57	<13	PASS
		1	24	4.82	<13	PASS
		1	49	4.84	<13	PASS
		25	0	5.79	<13	PASS
		25	12	6.17	<13	PASS
		25	25	6.06	<13	PASS
		50	0	6.41	<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	3.1	<13	PASS
		1	37	3.13	<13	PASS
		1	74	3.58	<13	PASS
		37	0	4.29	<13	PASS
		37	18	4.33	<13	PASS
		37	38	4.64	<13	PASS
		75	0	4.93	<13	PASS
	MCH	1	0	3.32	<13	PASS
		1	37	3.41	<13	PASS
		1	74	3.84	<13	PASS
		37	0	4.58	<13	PASS
		37	18	4.66	<13	PASS
		37	38	4.99	<13	PASS
		75	0	5.22	<13	PASS
	HCH	1	0	3.37	<13	PASS
		1	37	3.67	<13	PASS

		1	74	3.59	<13	PASS
		37	0	4.67	<13	PASS
		37	18	4.84	<13	PASS
		37	38	5.11	<13	PASS
		75	0	5.27	<13	PASS
16QAM	LCH	1	0	4.26	<13	PASS
		1	37	4.18	<13	PASS
		1	74	4.7	<13	PASS
		37	0	5.2	<13	PASS
		37	18	5.3	<13	PASS
		37	38	5.93	<13	PASS
		75	0	5.71	<13	PASS
	MCH	1	0	4.45	<13	PASS
		1	37	4.42	<13	PASS
		1	74	5.02	<13	PASS
		37	0	5.5	<13	PASS
		37	18	5.6	<13	PASS
		37	38	5.93	<13	PASS
		75	0	5.99	<13	PASS
	HCH	1	0	4.5	<13	PASS
		1	37	4.68	<13	PASS
		1	74	4.93	<13	PASS
		37	0	5.59	<13	PASS
		37	18	5.77	<13	PASS
		37	38	6	<13	PASS
		75	0	6.03	<13	PASS

Channel Bandwidth: 20 MHz

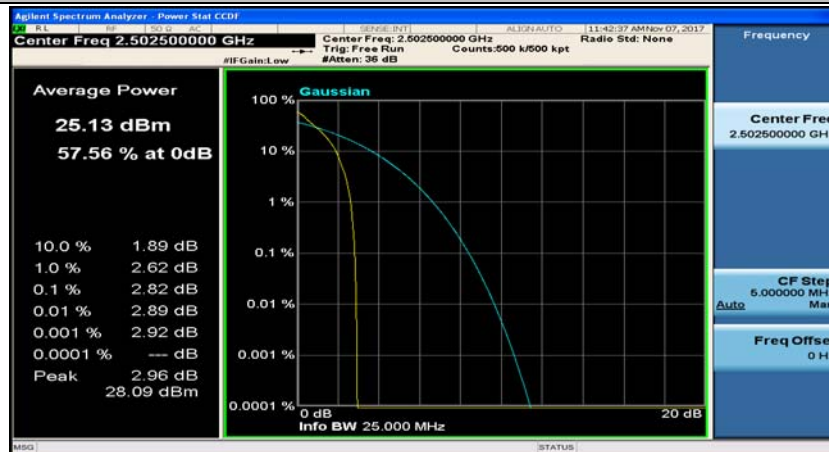
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.02	<13	PASS
		1	49	3.25	<13	PASS
		1	99	3.71	<13	PASS
		50	0	4.55	<13	PASS
		50	25	4.67	<13	PASS
		50	50	5.01	<13	PASS
		100	0	5.19	<13	PASS
	MCH	1	0	3.36	<13	PASS
		1	49	3.47	<13	PASS
		1	99	3.85	<13	PASS

		50	0	4.78	<13	PASS
		50	25	4.83	<13	PASS
		50	50	5.13	<13	PASS
		100	0	5.36	<13	PASS
	HCH	1	0	3.69	<13	PASS
		1	49	3.43	<13	PASS
		1	99	3.74	<13	PASS
		50	0	4.94	<13	PASS
		50	25	4.88	<13	PASS
		50	50	5.1	<13	PASS
		100	0	5.45	<13	PASS
		16QAM	LCH	1	0	3.94
1	49			4.29	<13	PASS
1	99			4.65	<13	PASS
50	0			5.38	<13	PASS
50	25			5.5	<13	PASS
50	50			5.82	<13	PASS
100	0			5.95	<13	PASS
MCH	1		0	4.37	<13	PASS
	1		49	4.29	<13	PASS
	1		99	4.97	<13	PASS
	50		0	5.64	<13	PASS
	50		25	5.65	<13	PASS
	50		50	5.98	<13	PASS
	100		0	6.08	<13	PASS
HCH	1		0	4.68	<13	PASS
	1		49	4.37	<13	PASS
	1		99	4.82	<13	PASS
	50		0	5.74	<13	PASS
	50		25	5.66	<13	PASS
	50		50	5.95	<13	PASS
	100		0	6.16	<13	PASS

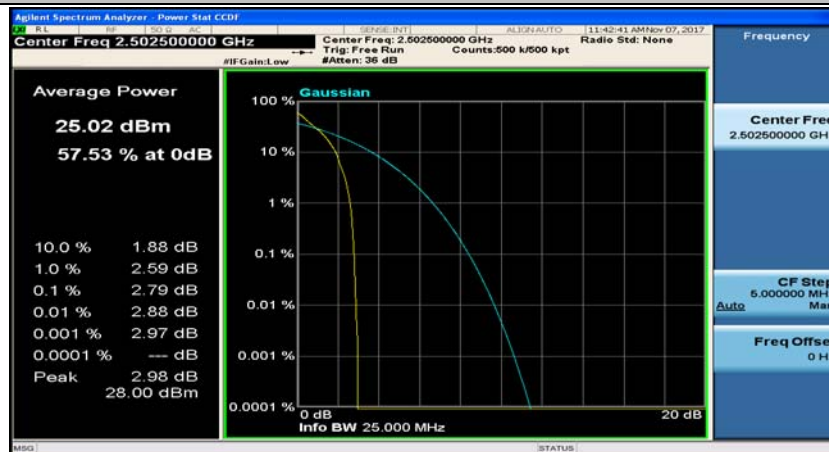
Test Graphs

Channel Bandwidth: 5 MHz

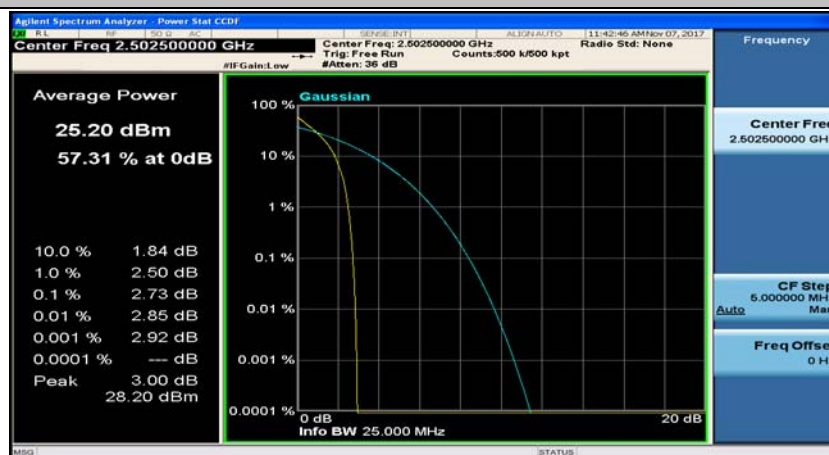
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



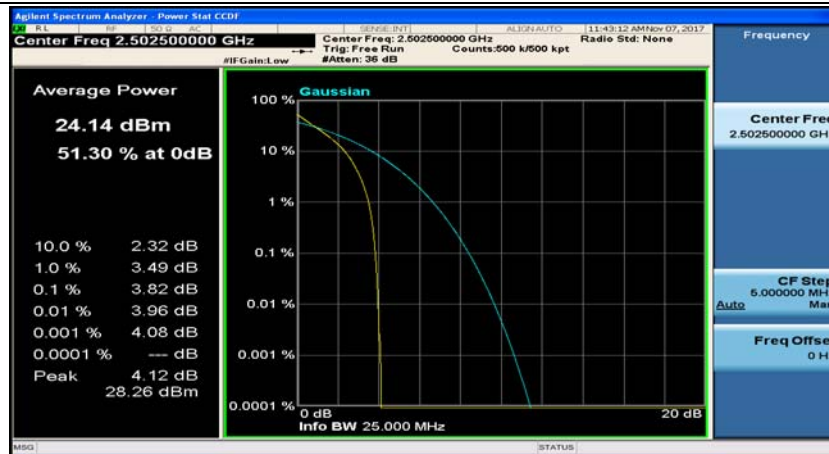
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



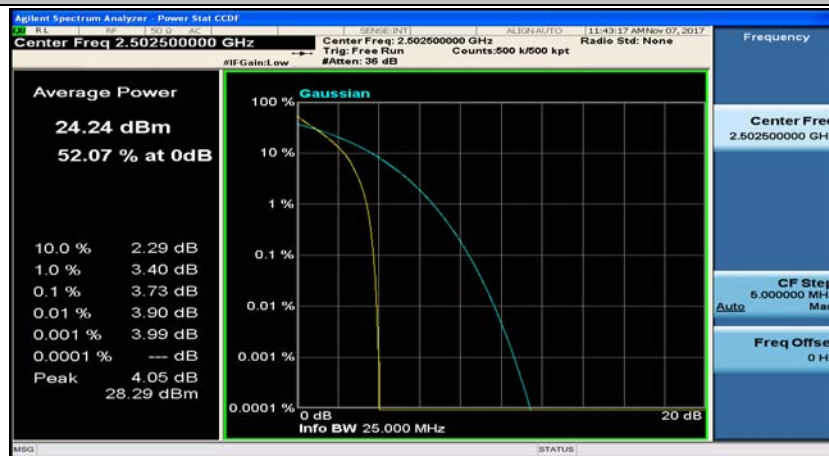
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



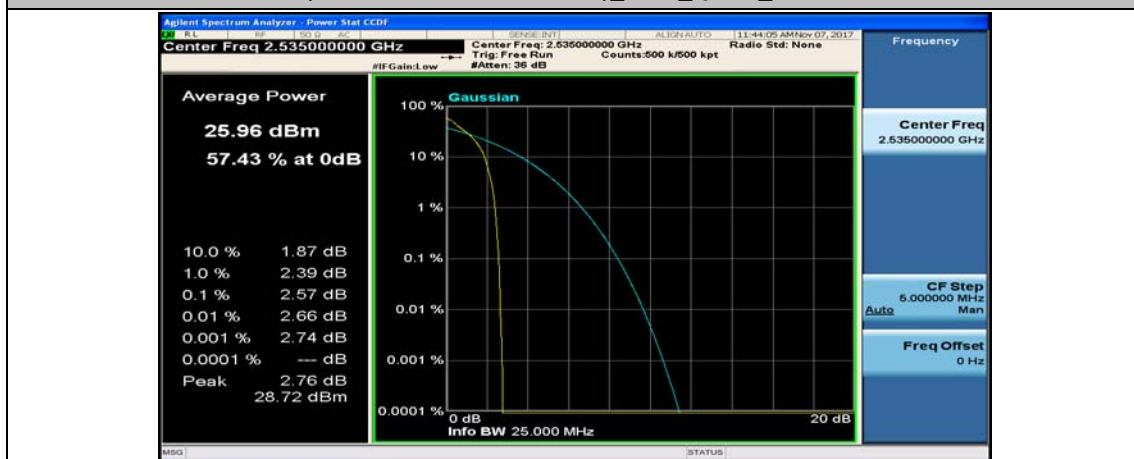
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



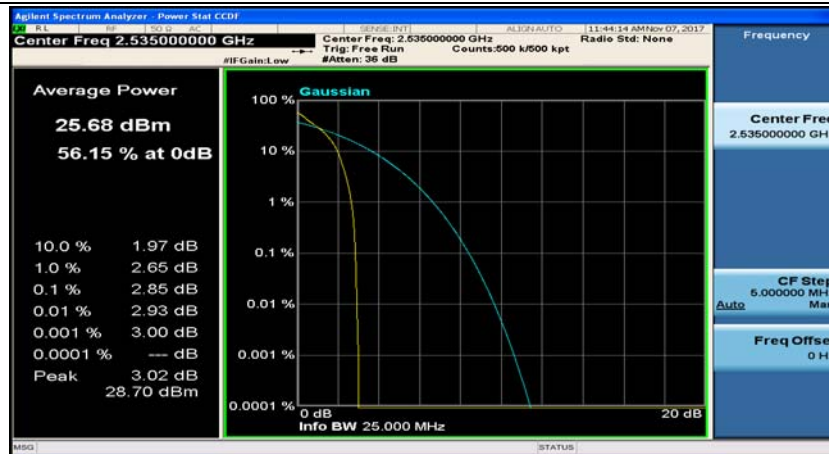
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



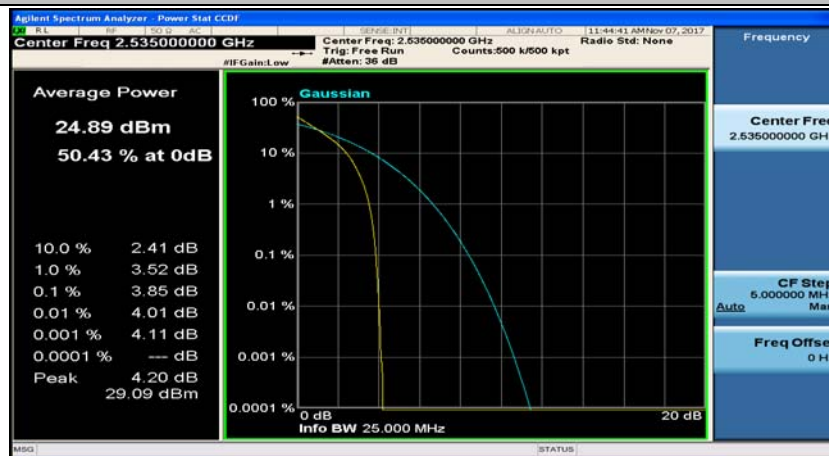
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



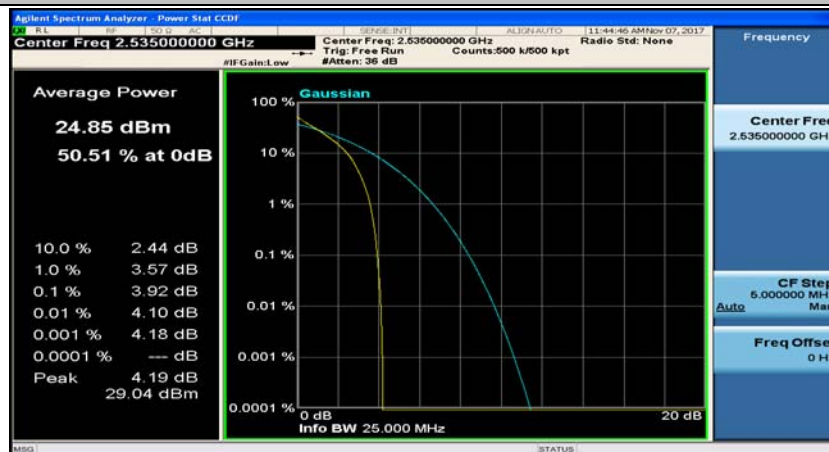
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



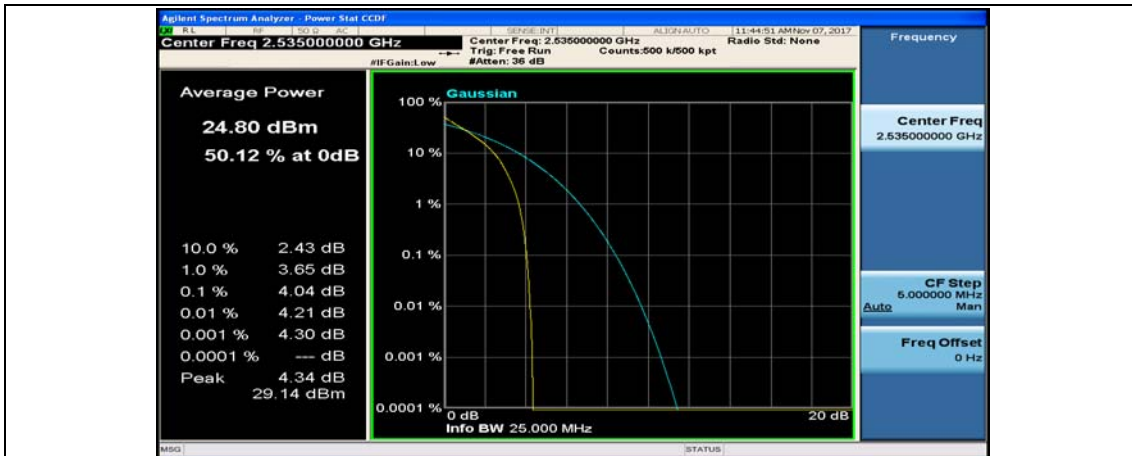
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



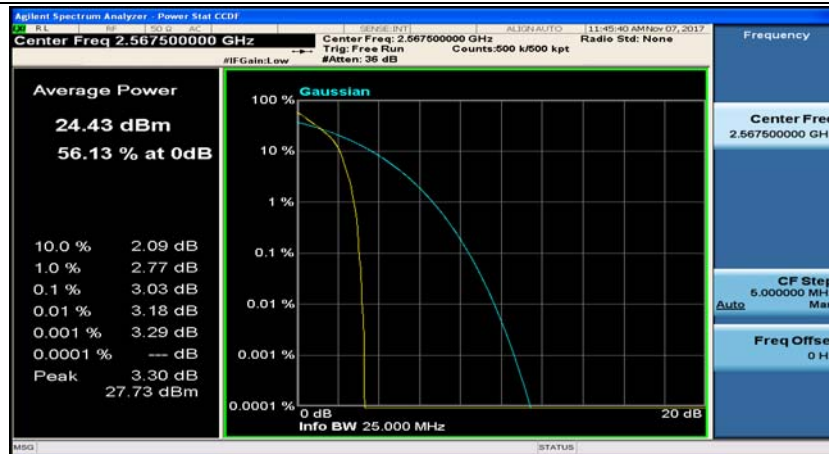
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



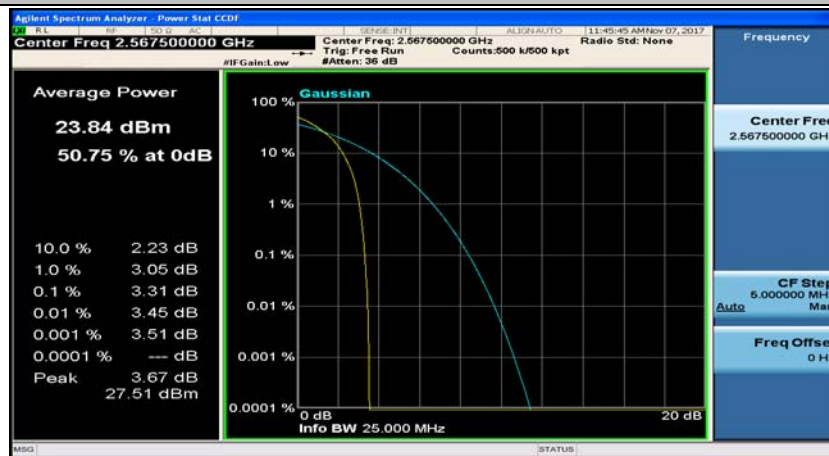
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



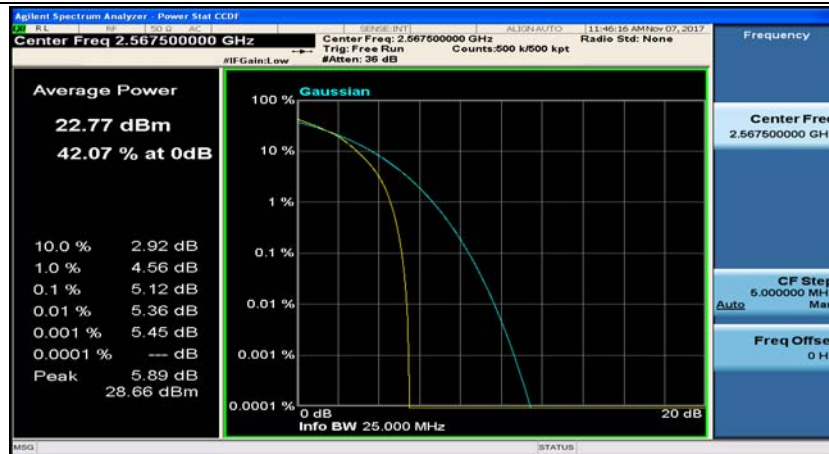
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



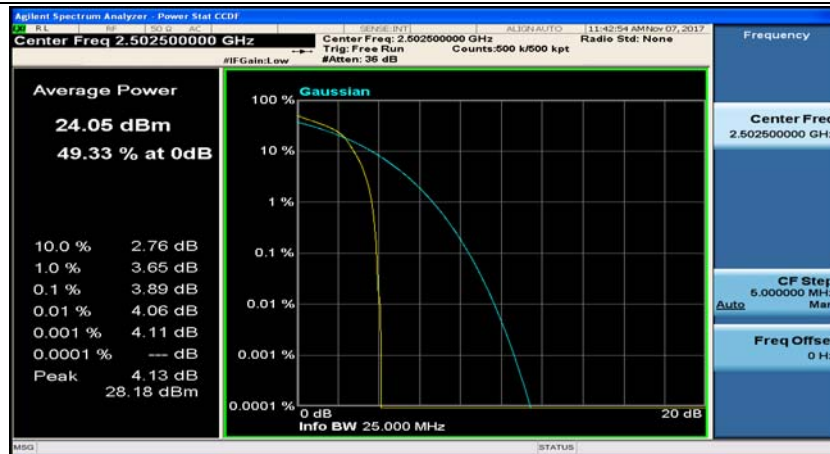
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



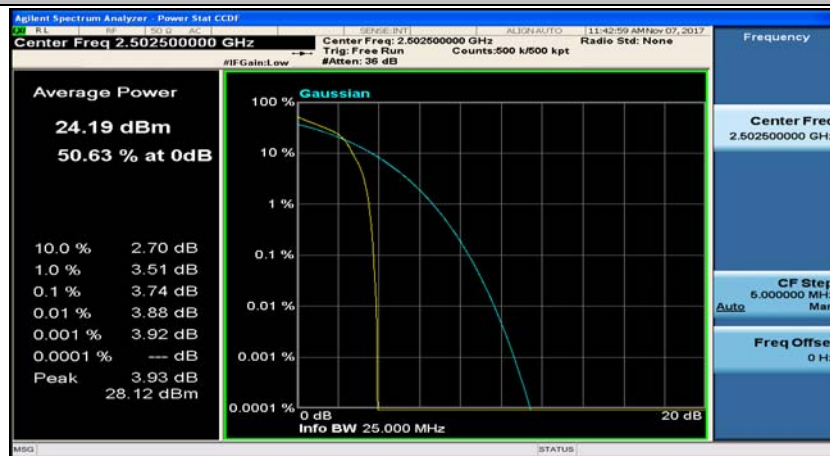
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



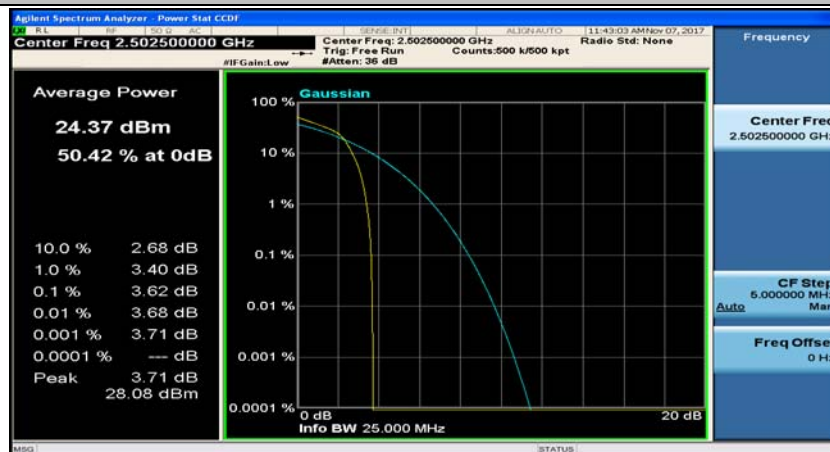
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



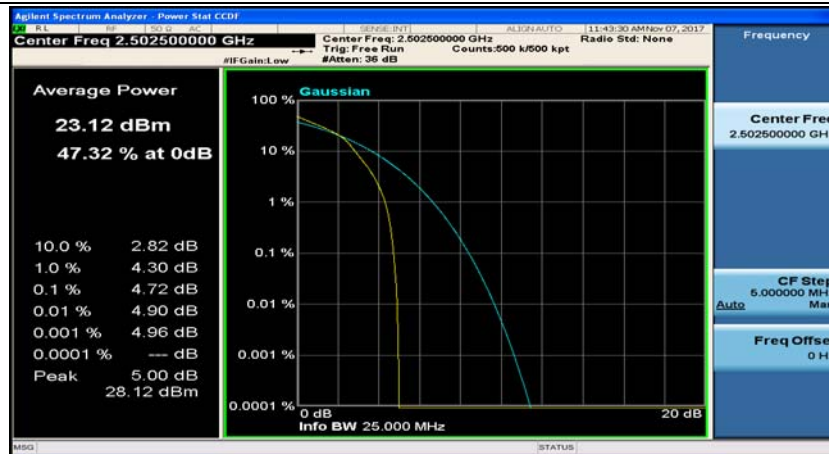
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(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



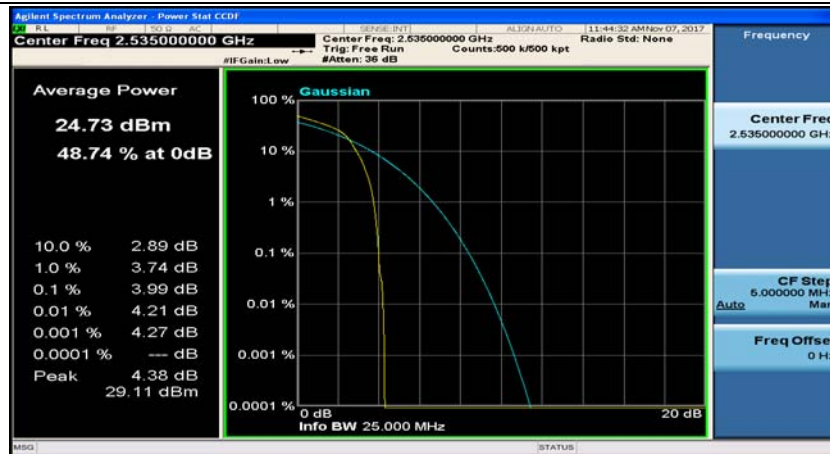
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



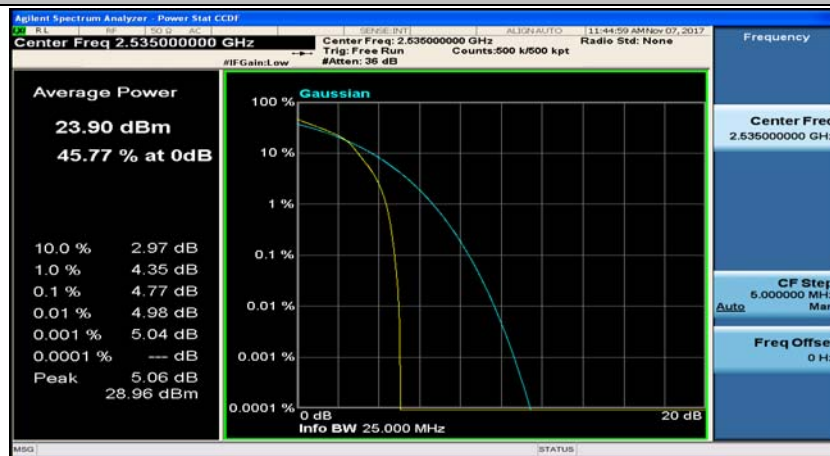
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



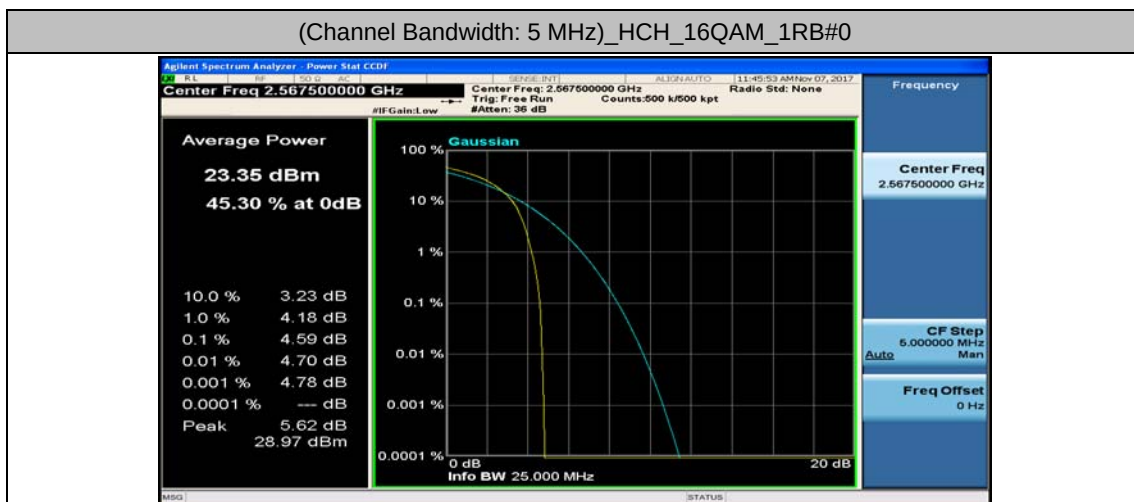
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



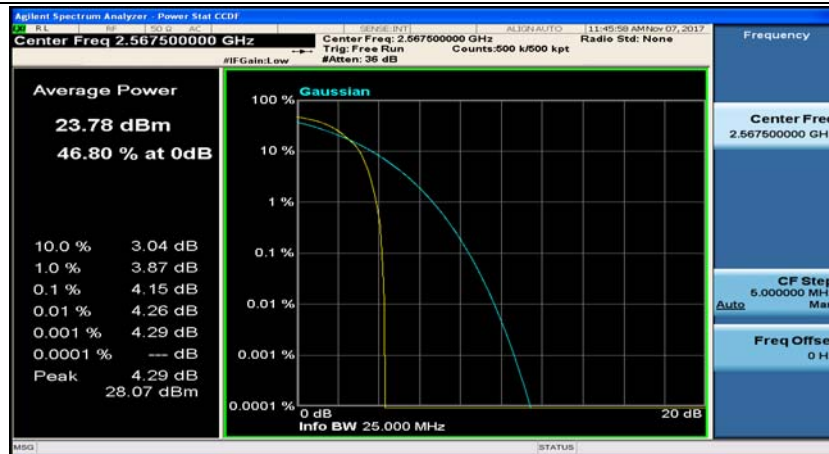
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



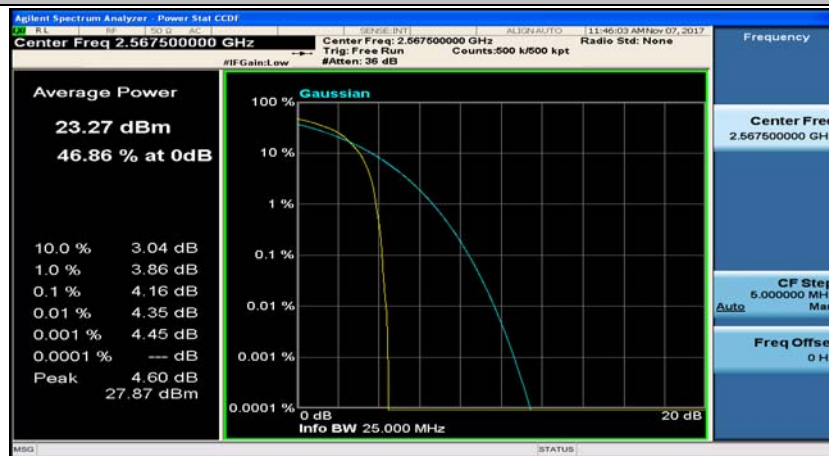
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



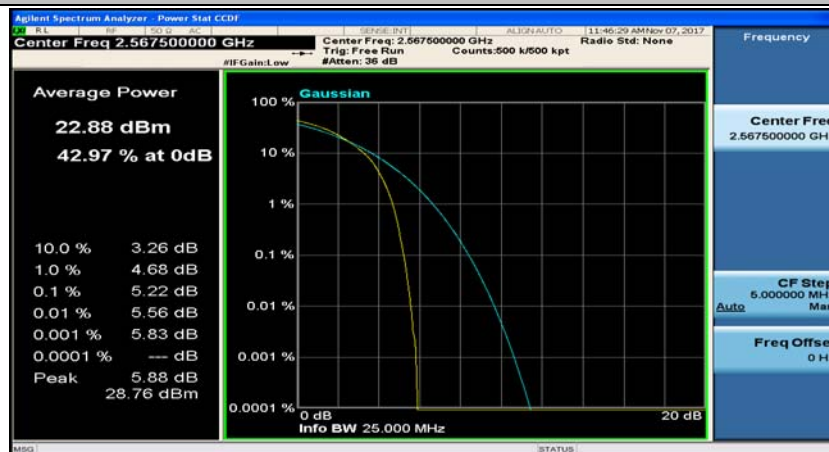
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



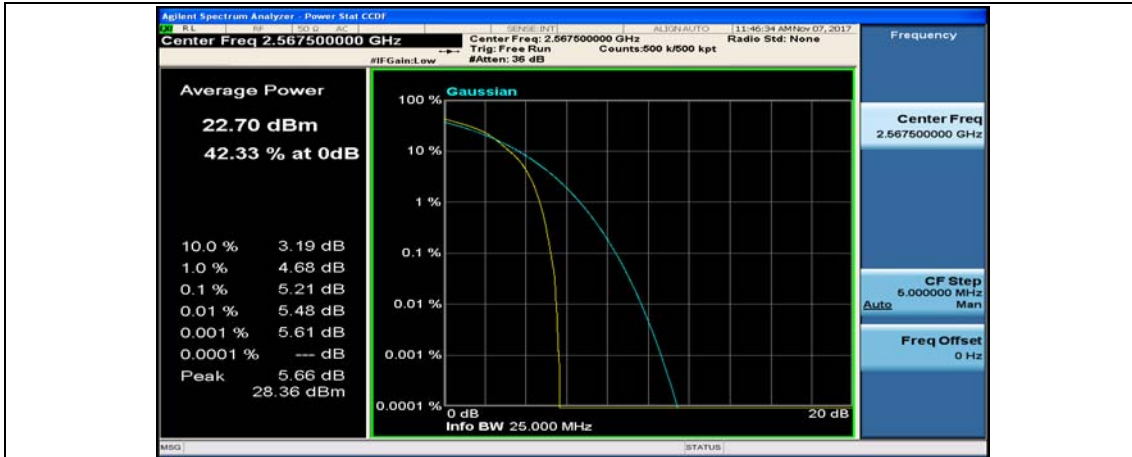
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

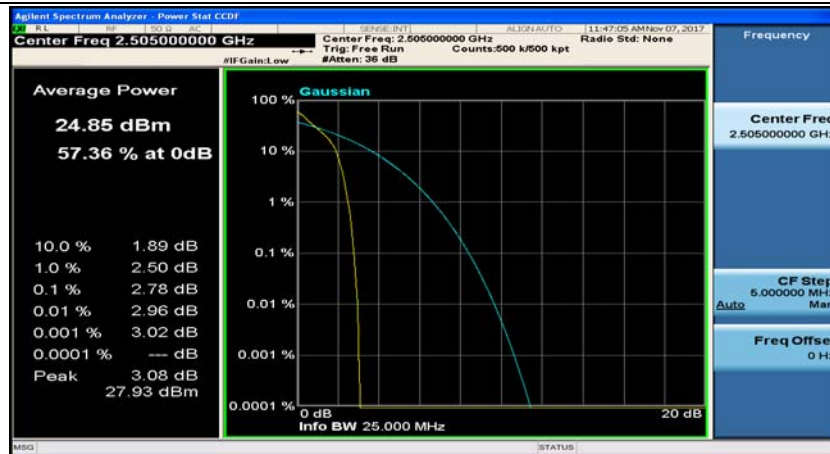


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

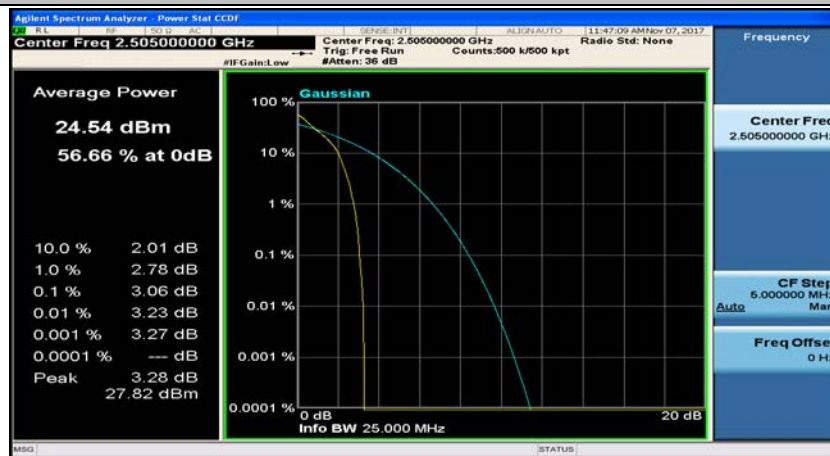


Channel Bandwidth: 10 MHz

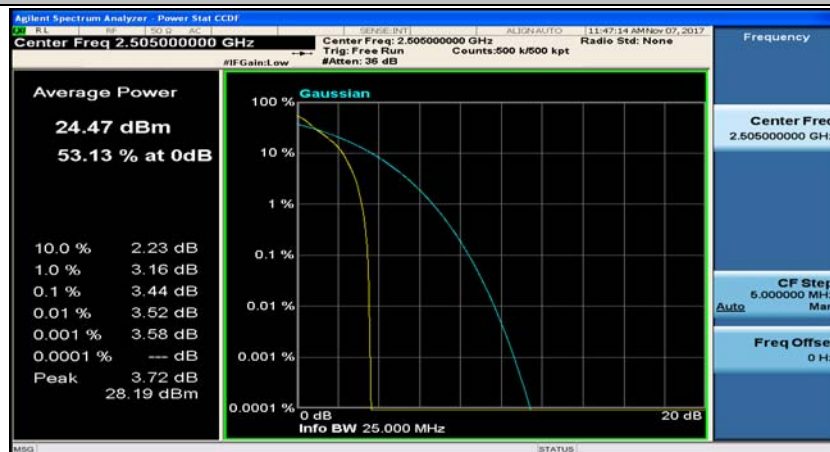
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



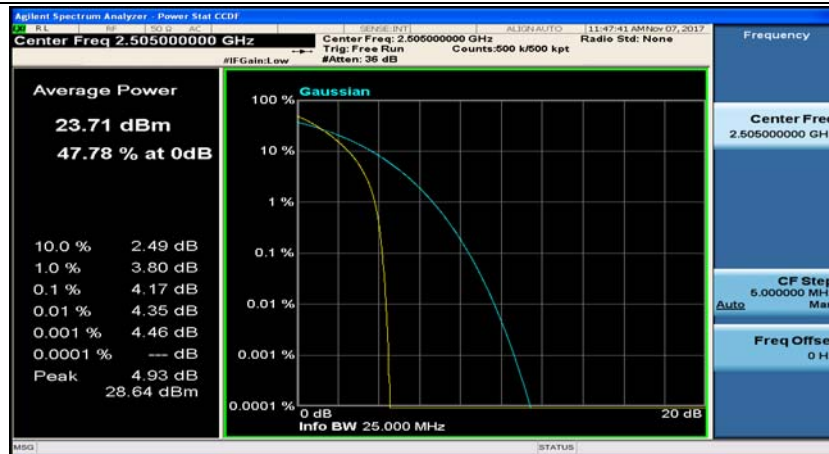
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



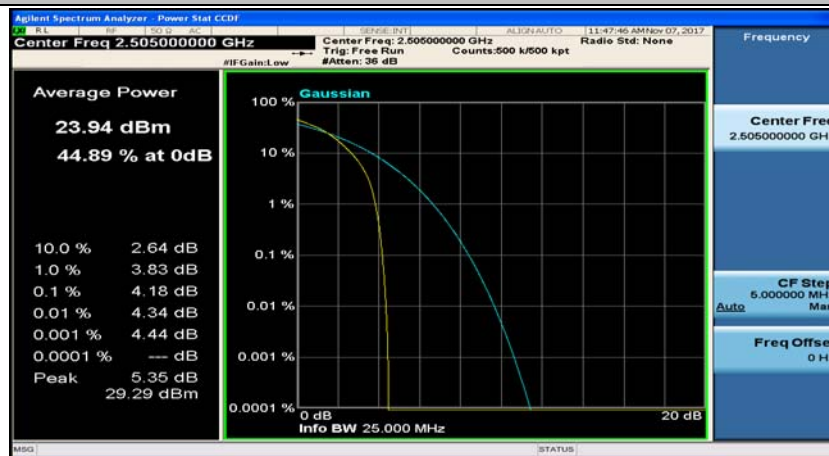
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



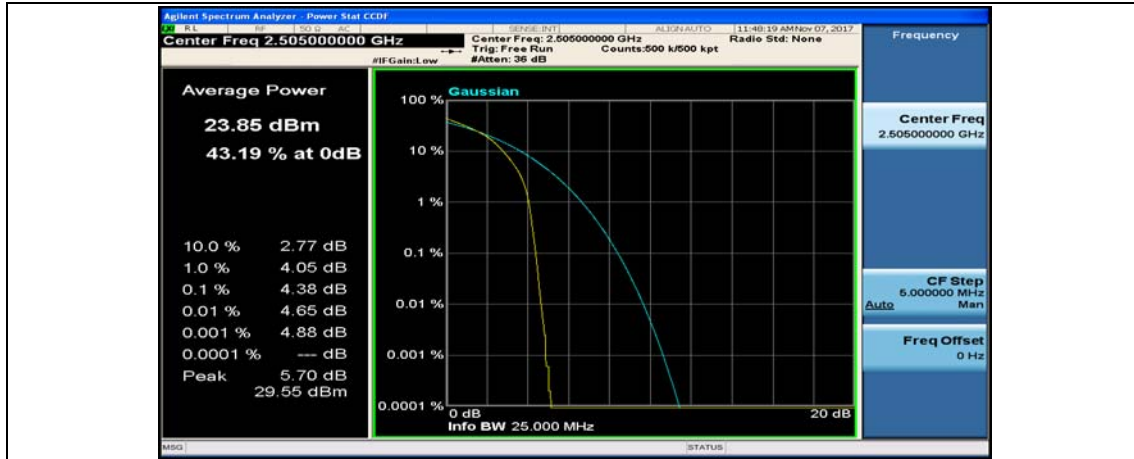
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



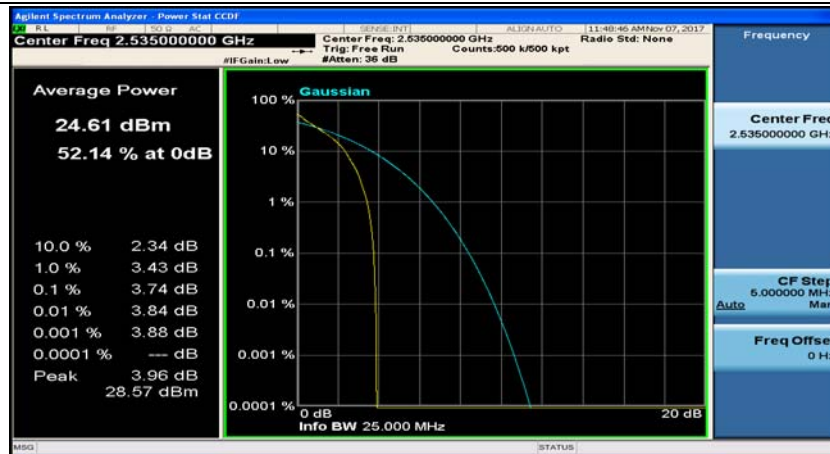
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



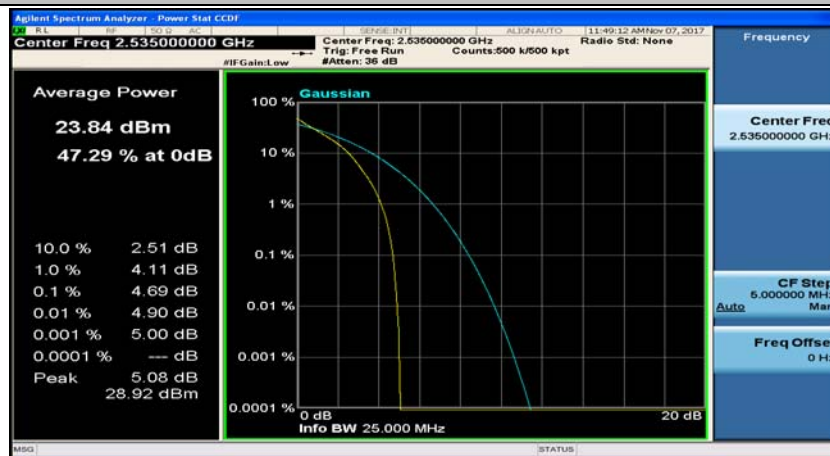
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



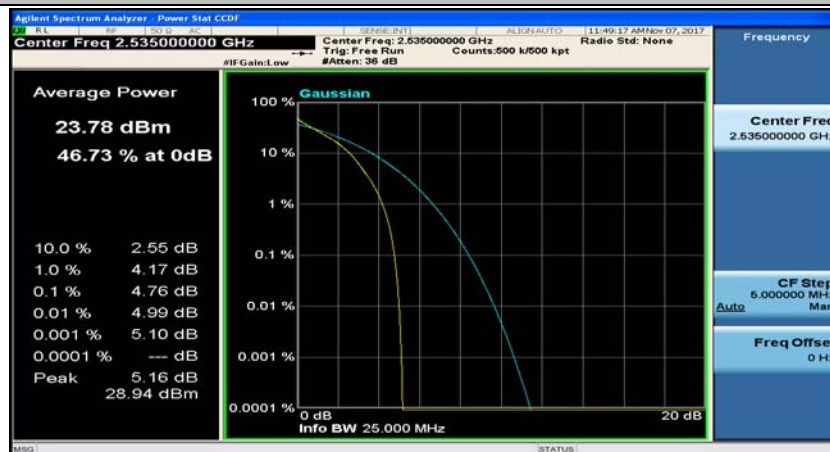
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



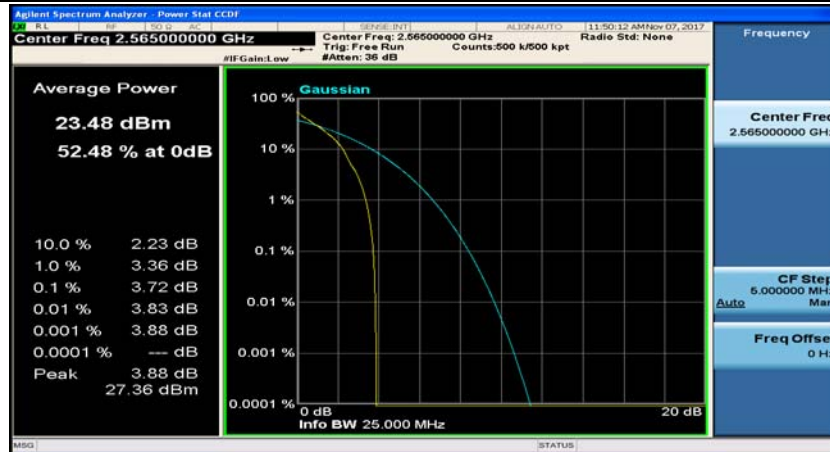
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



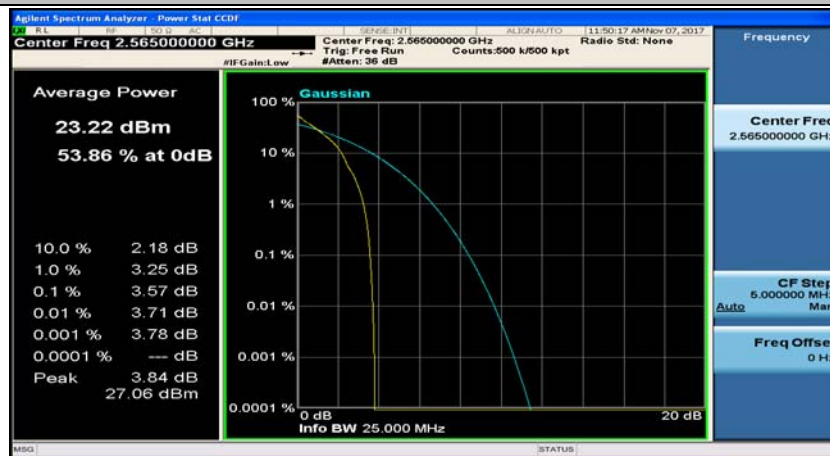
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



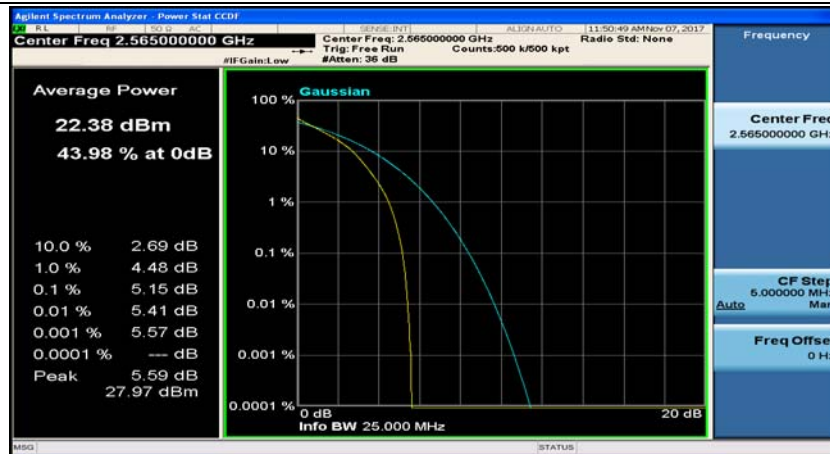
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



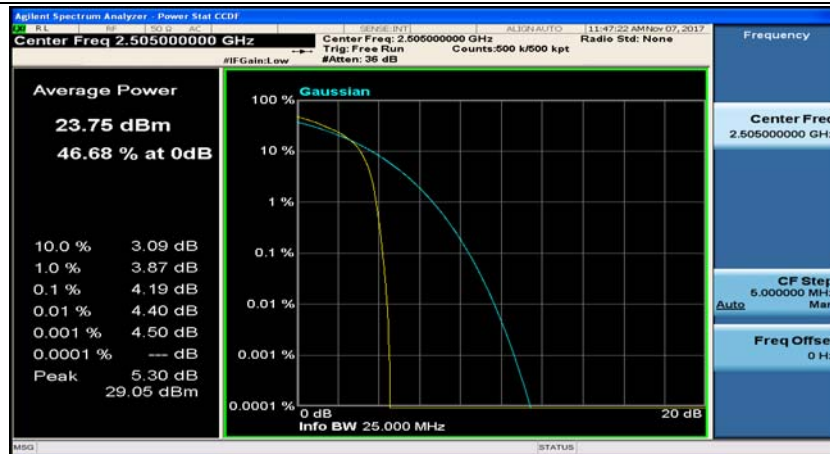
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



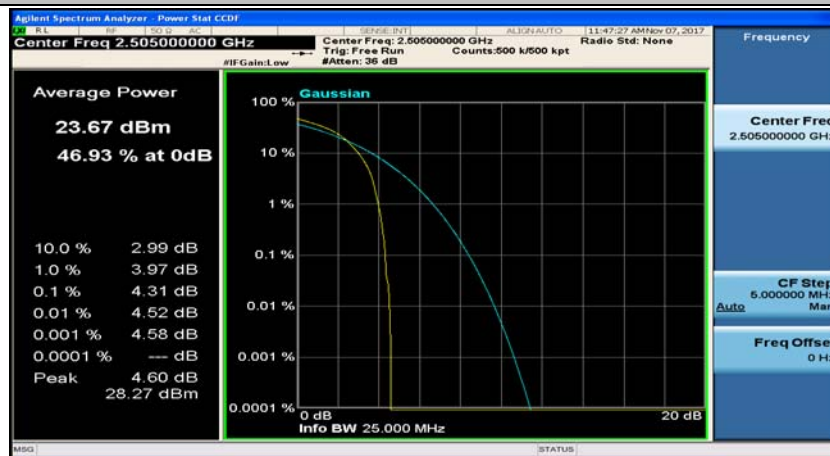
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



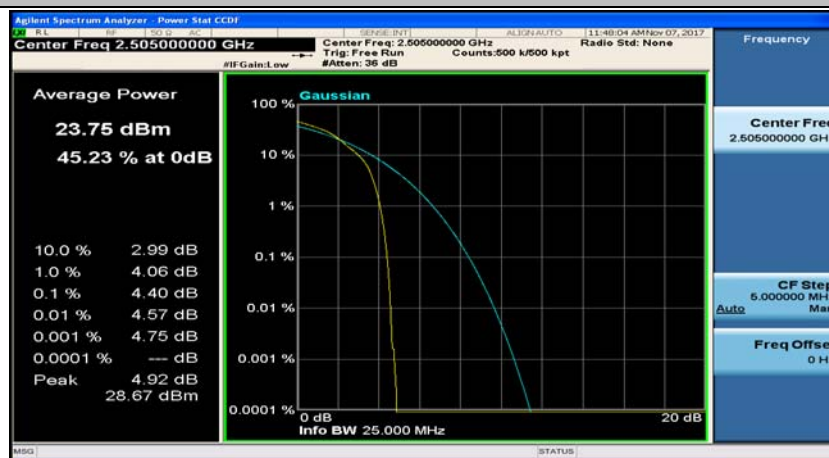
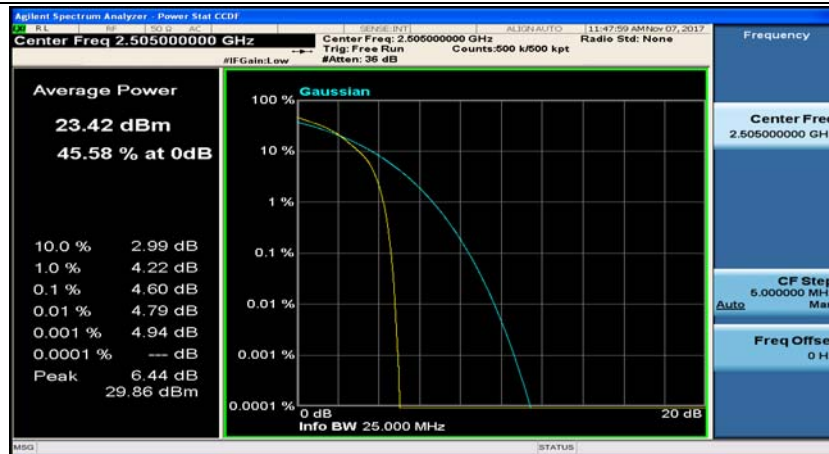
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





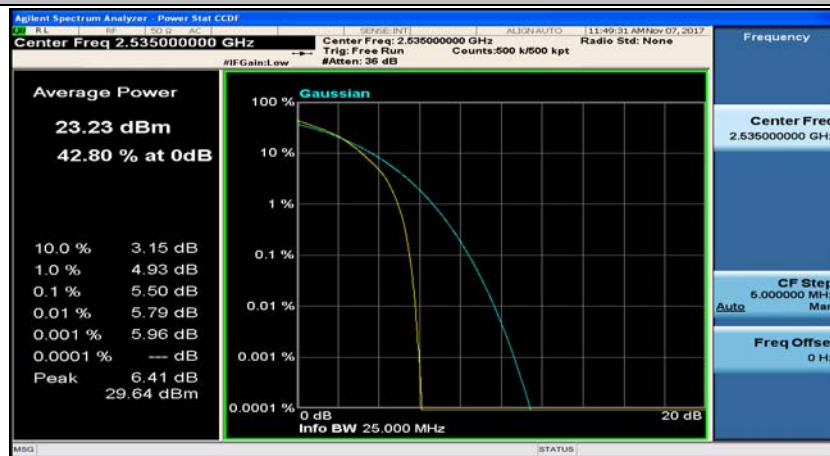
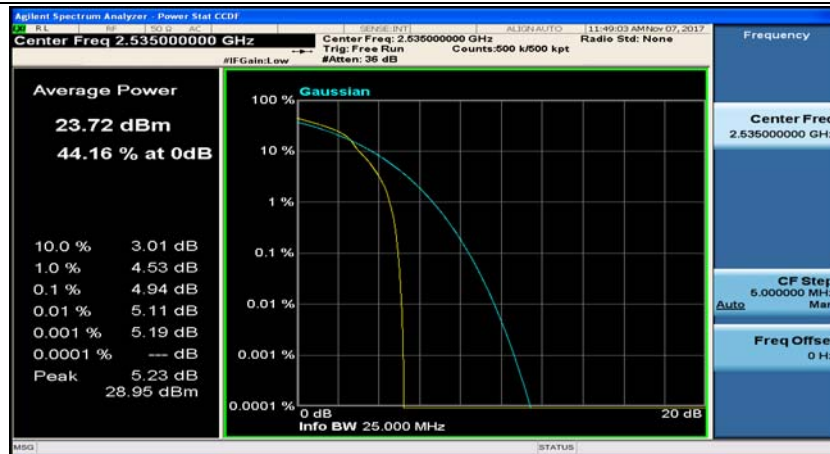
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

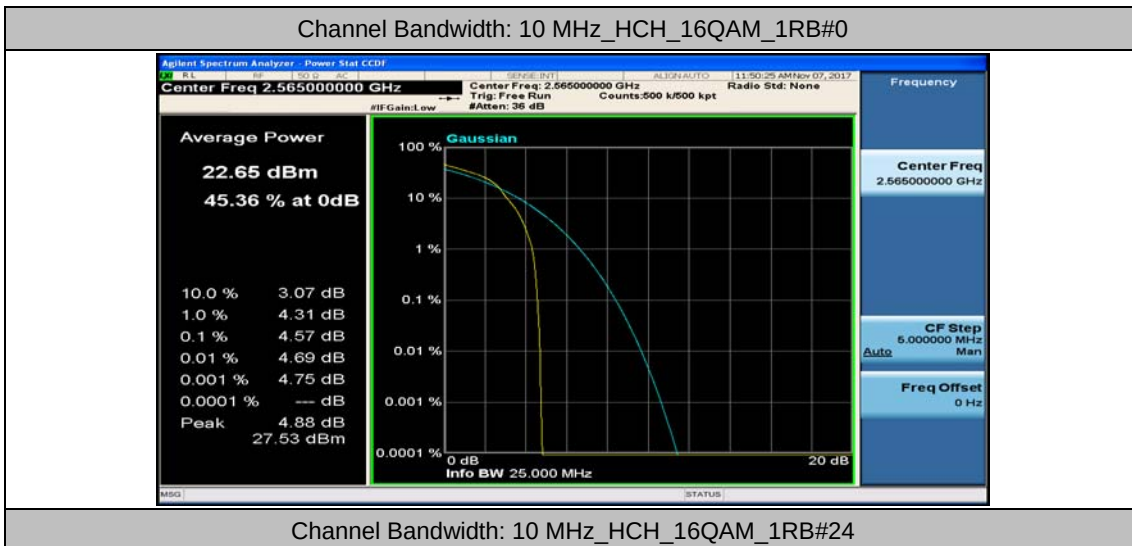
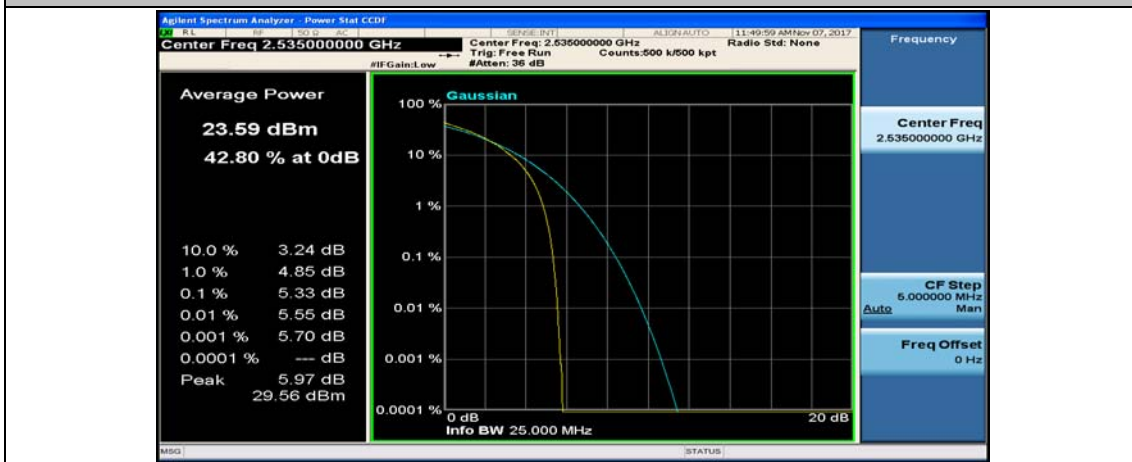
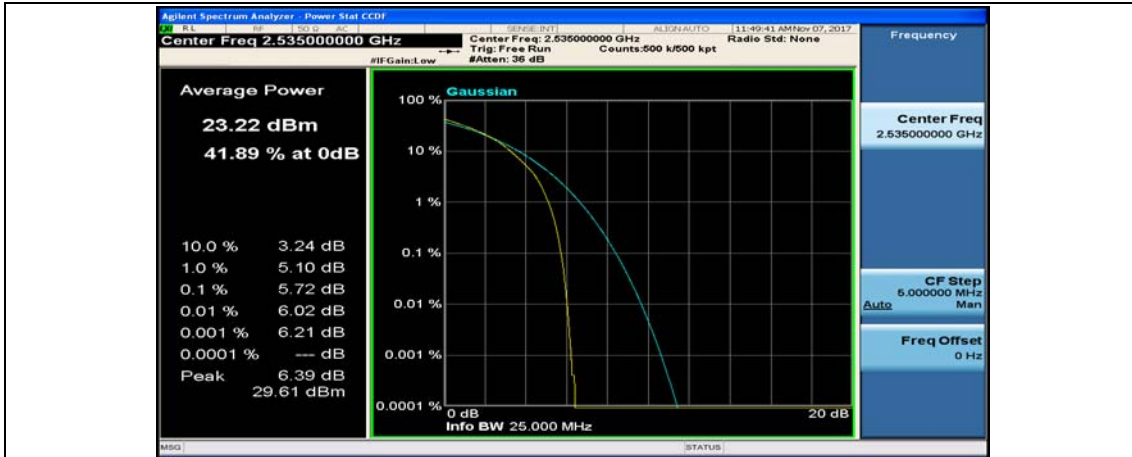


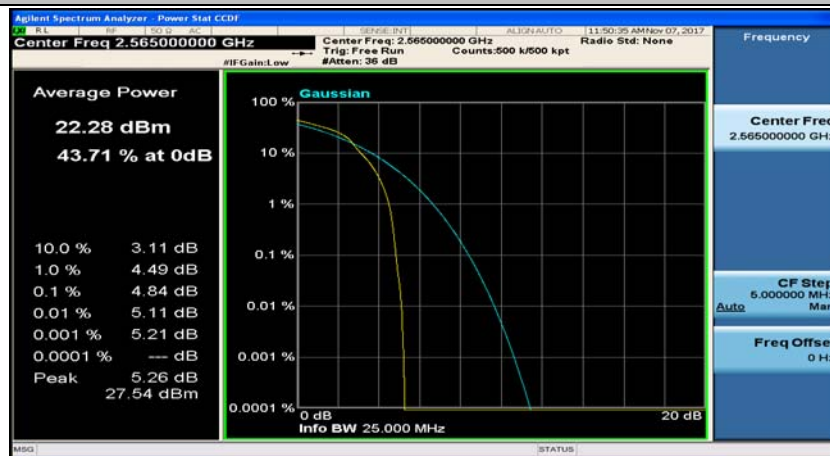
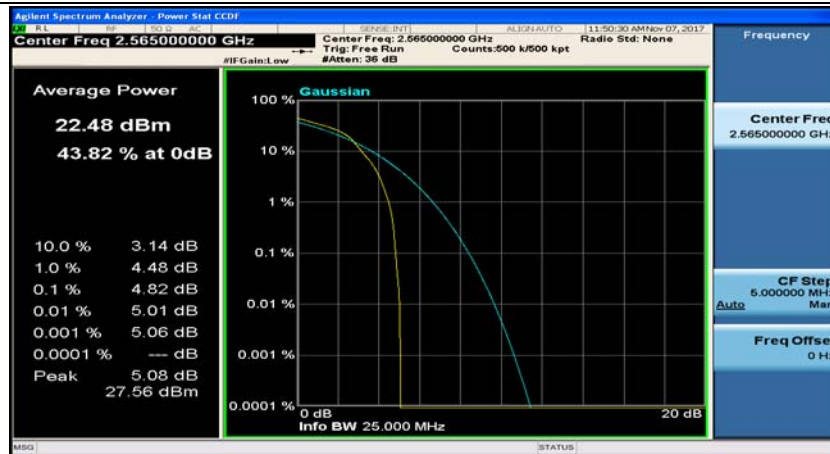
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

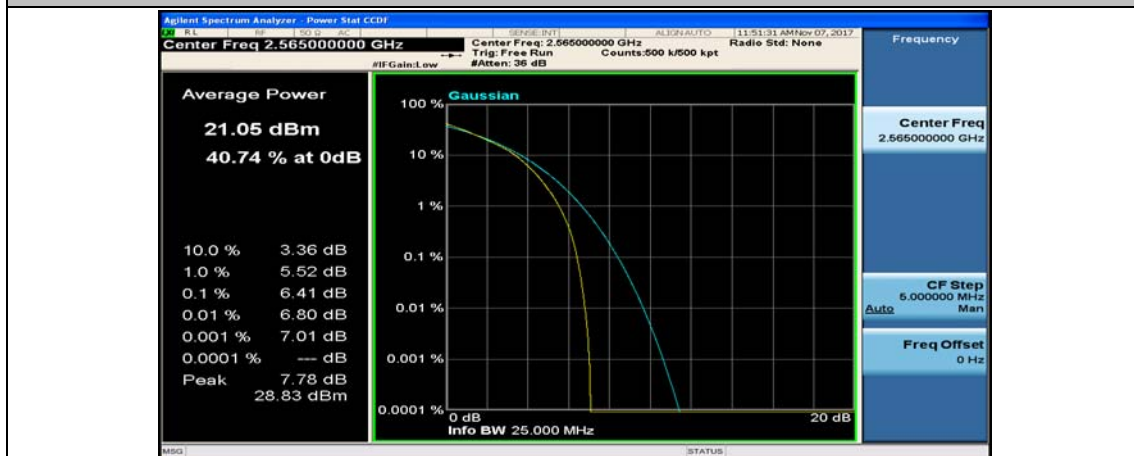


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



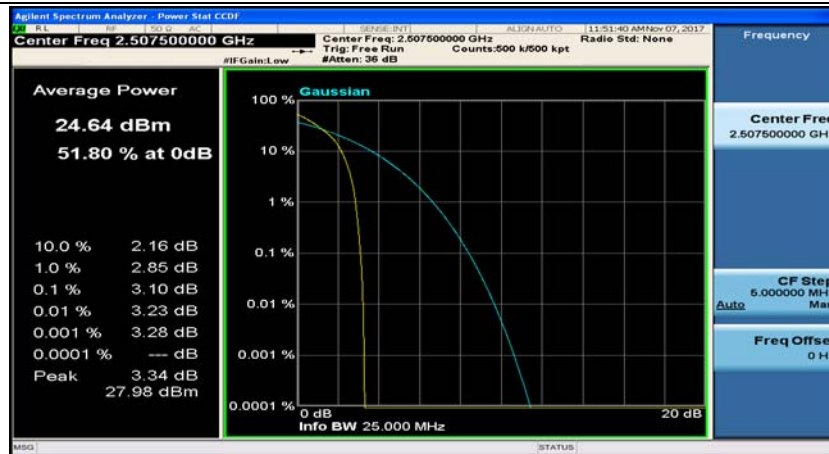




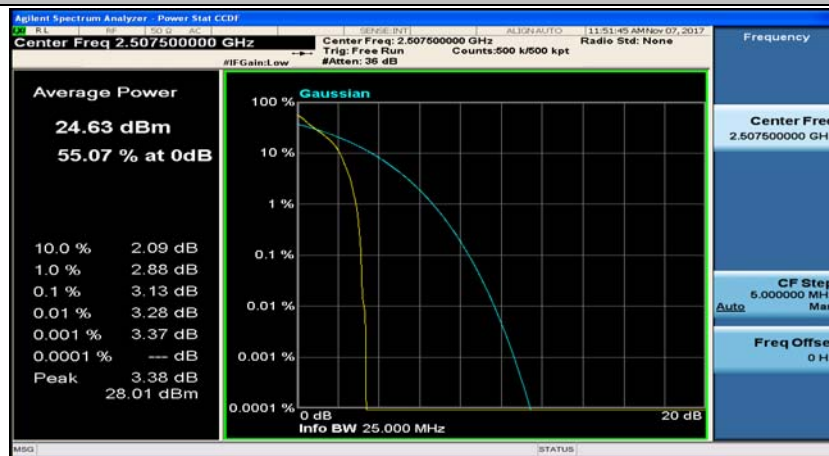


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



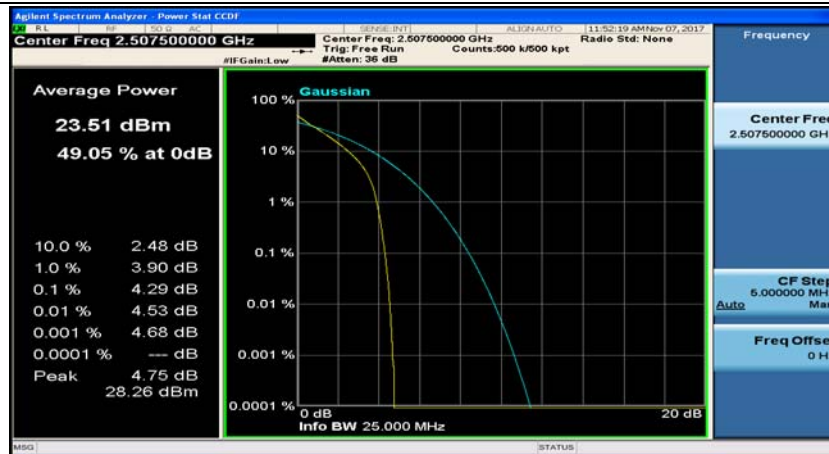
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



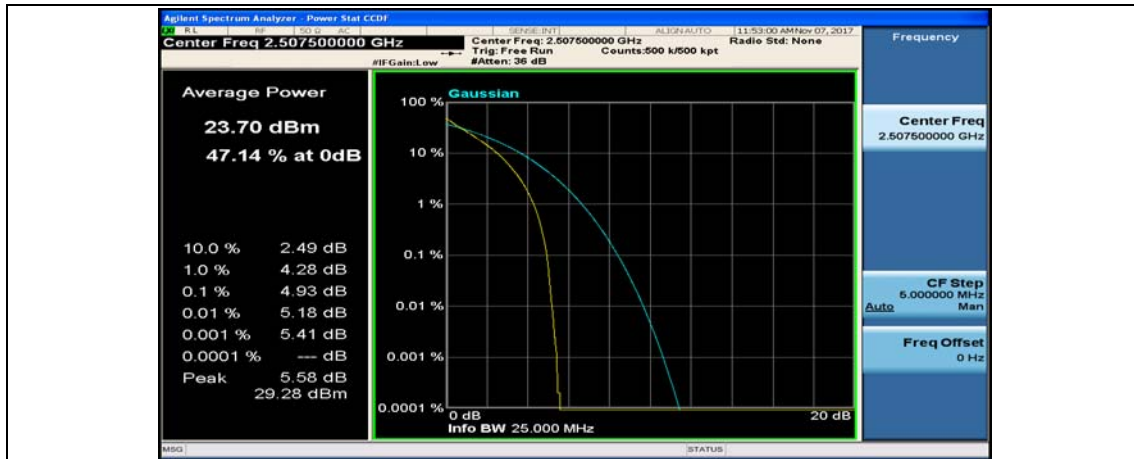
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



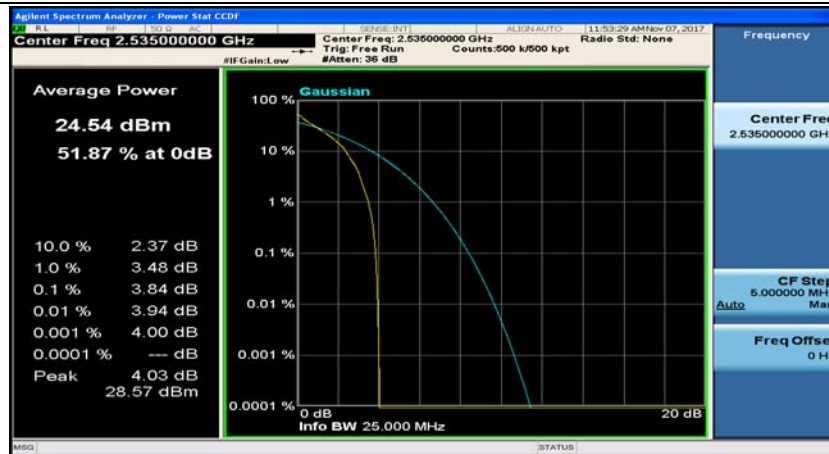
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



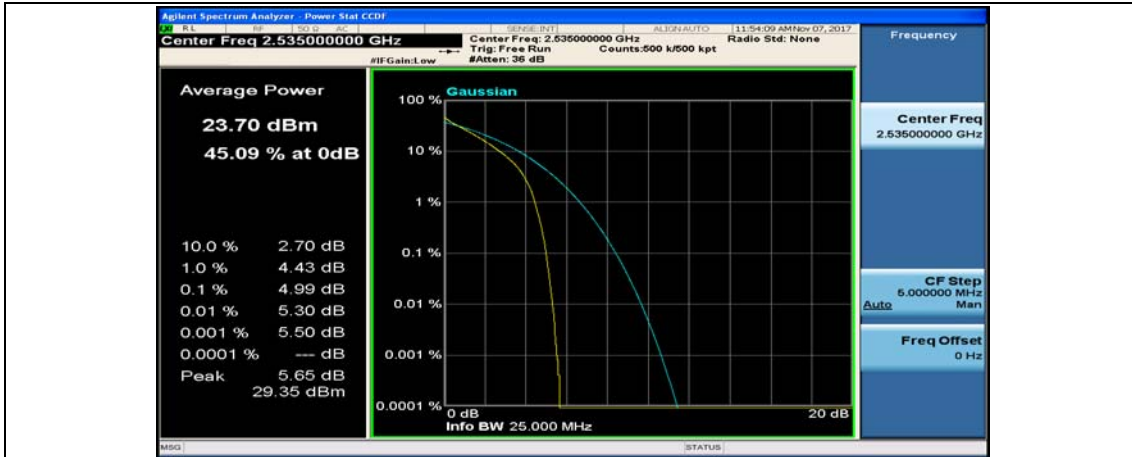
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



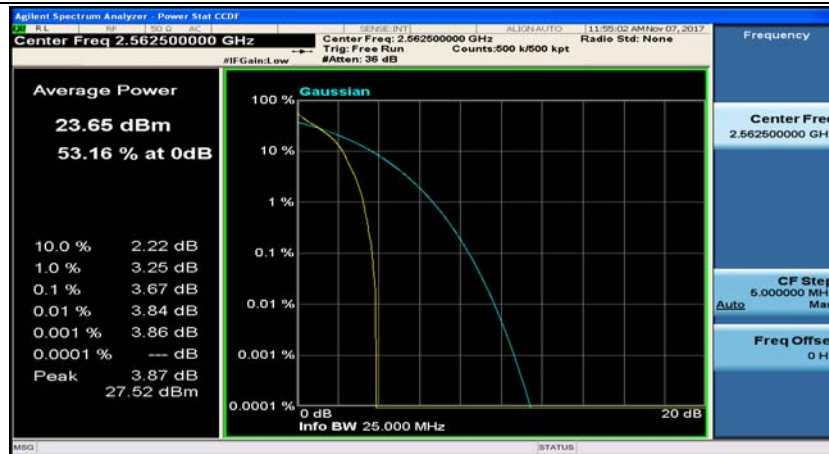
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



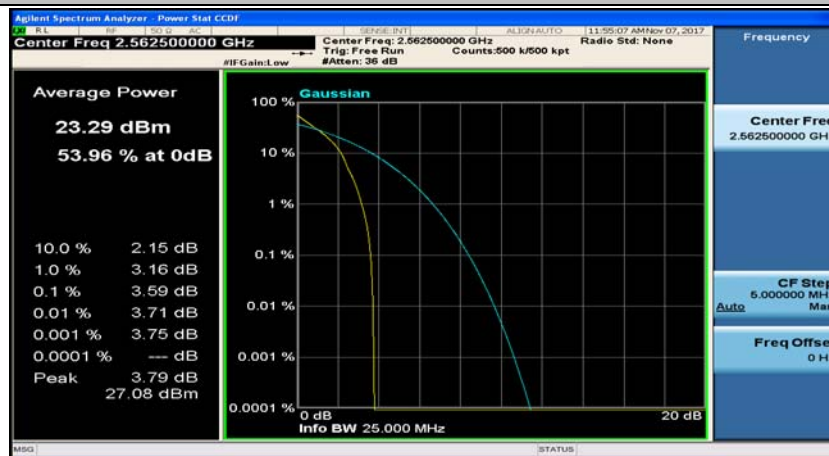
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



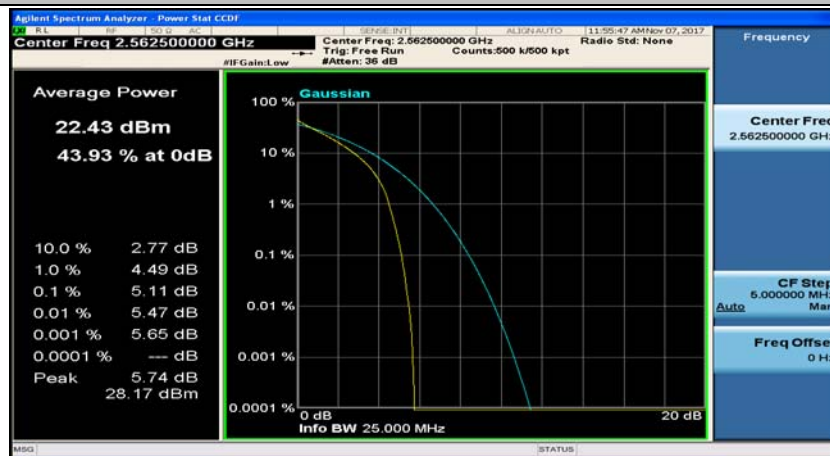
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



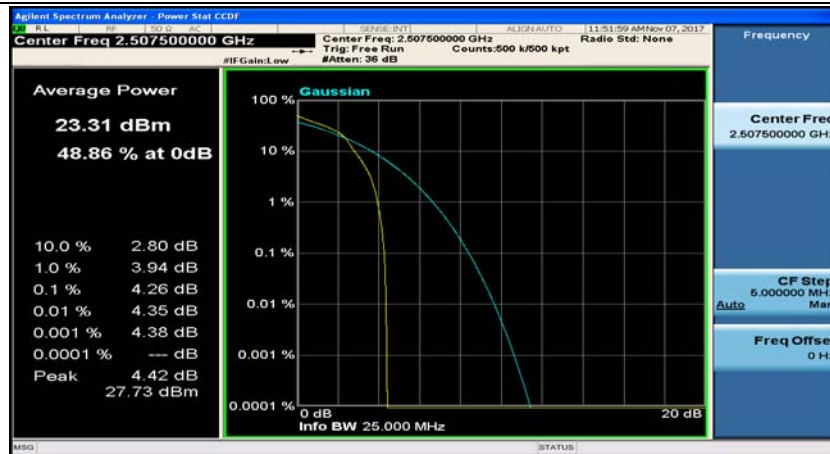
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



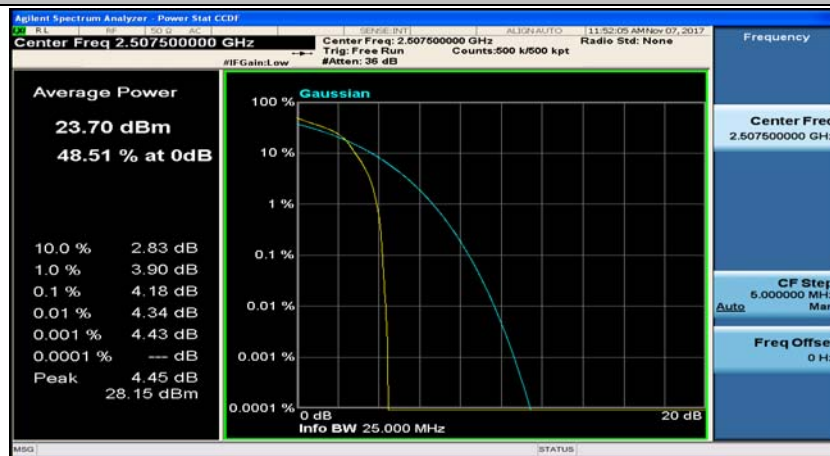
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



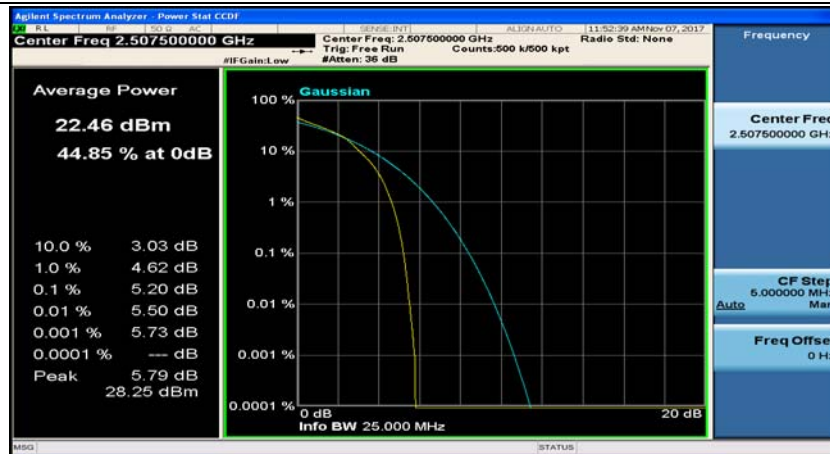
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



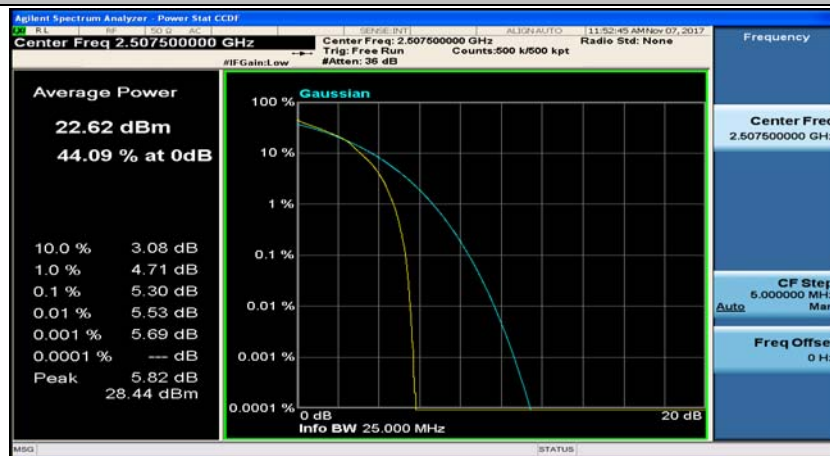
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



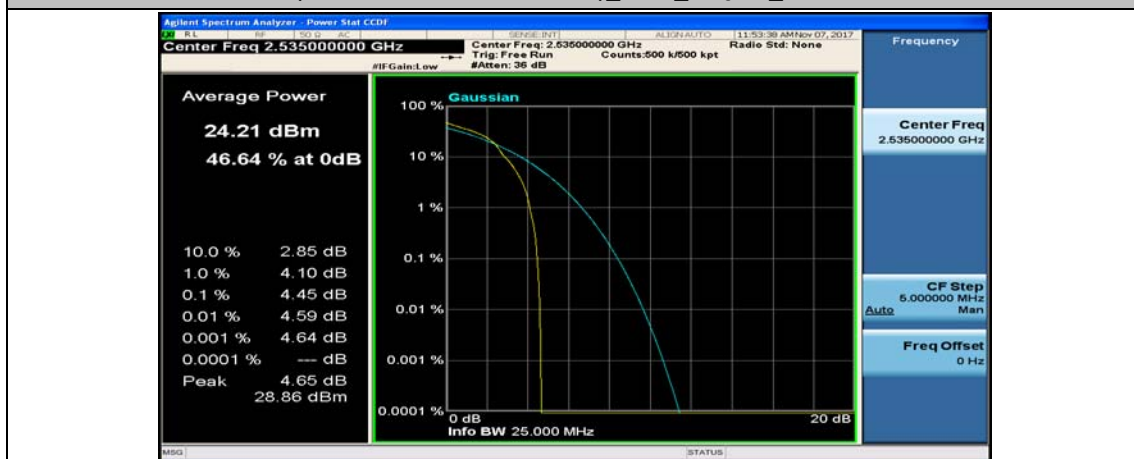
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



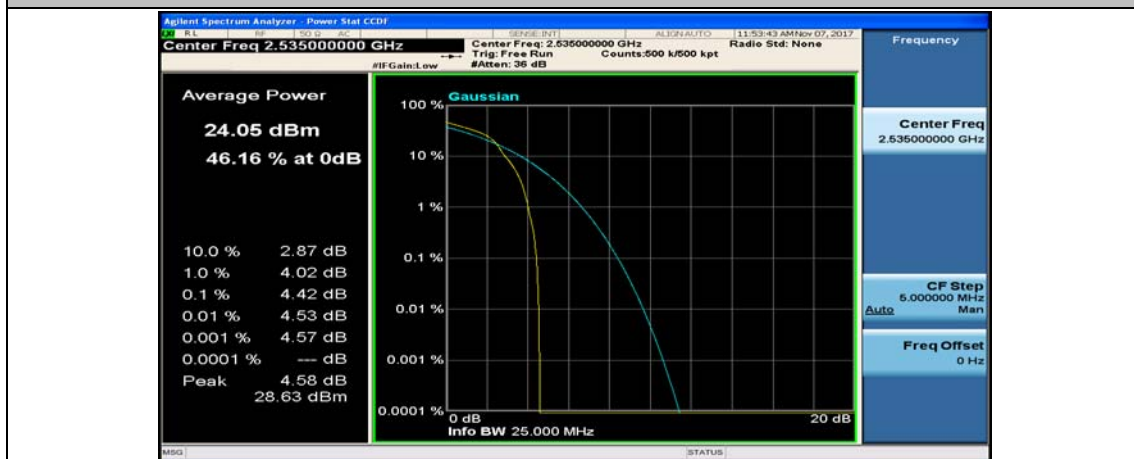
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74