

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	22.28	PASS
		1	12	22.48	PASS
		1	24	22.55	PASS
		12	0	21.45	PASS
		12	6	21.50	PASS
		12	13	21.55	PASS
		25	0	21.44	PASS
	MCH	1	0	23.14	PASS
		1	12	23.14	PASS
		1	24	23.07	PASS
		12	0	22.06	PASS
		12	6	22.04	PASS
		12	13	22.04	PASS
		25	0	22.01	PASS
	HCH	1	0	22.06	PASS
		1	12	22.73	PASS
		1	24	22.44	PASS
		12	0	21.13	PASS
		12	6	21.34	PASS
		12	13	21.56	PASS
		25	0	21.38	PASS
16QAM	LCH	1	0	21.64	PASS
		1	12	21.79	PASS
		1	24	21.87	PASS
		12	0	20.52	PASS
		12	6	20.57	PASS
		12	13	20.65	PASS
		25	0	20.42	PASS
	MCH	1	0	22.03	PASS
		1	12	22.04	PASS
		1	24	21.97	PASS
		12	0	21.01	PASS
		12	6	20.98	PASS

		12	13	20.98	PASS
		25	0	20.94	PASS
	HCH	1	0	22.52	PASS
		1	12	22.12	PASS
		1	24	21.81	PASS
		12	0	21.60	PASS
		12	6	21.64	PASS
		12	13	21.29	PASS
		25	0	21.61	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.36	PASS
		1	24	22.62	PASS
		1	49	22.77	PASS
		25	0	21.51	PASS
		25	12	21.60	PASS
		25	25	21.69	PASS
		50	0	21.58	PASS
	MCH	1	0	23.07	PASS
		1	24	22.97	PASS
		1	49	22.95	PASS
		25	0	22.05	PASS
		25	12	22.02	PASS
		25	25	22.01	PASS
		50	0	22.00	PASS
	HCH	1	0	23.40	PASS
		1	24	23.26	PASS
		1	49	22.11	PASS
		25	0	22.52	PASS
		25	12	22.60	PASS
		25	25	22.37	PASS
		50	0	22.55	PASS
16QAM	LCH	1	0	21.58	PASS
		1	24	21.82	PASS
		1	49	21.96	PASS
		25	0	20.45	PASS
		25	12	20.54	PASS
		25	25	20.61	PASS
		50	0	20.51	PASS
	MCH	1	0	22.26	PASS

		1	24	22.17	PASS
		1	49	22.17	PASS
		25	0	20.97	PASS
		25	12	20.91	PASS
		25	25	20.96	PASS
		50	0	20.90	PASS
	HCH	1	0	22.58	PASS
		1	24	22.70	PASS
		1	49	21.67	PASS
		25	0	21.42	PASS
		25	12	21.50	PASS
		25	25	21.57	PASS
		50	0	21.49	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.49	PASS
		1	37	22.82	PASS
		1	74	22.89	PASS
		37	0	22.12	PASS
		37	18	22.39	PASS
		37	38	22.46	PASS
		75	0	21.91	PASS
	MCH	1	0	23.13	PASS
		1	37	23.07	PASS
		1	74	22.86	PASS
		37	0	22.23	PASS
		37	18	22.16	PASS
		37	38	22.14	PASS
		75	0	22.18	PASS
	HCH	1	0	23.45	PASS
		1	37	23.51	PASS
		1	74	22.84	PASS
		37	0	21.13	PASS
		37	18	22.02	PASS
		37	38	21.92	PASS
		75	0	22.01	PASS
16QAM	LCH	1	0	21.67	PASS
		1	37	22.09	PASS
		1	74	22.09	PASS
		37	0	20.68	PASS

		37	18	20.83	PASS
		37	38	20.90	PASS
		75	0	20.82	PASS
	MCH	1	0	22.32	PASS
		1	37	22.27	PASS
		1	74	22.13	PASS
		37	0	21.14	PASS
		37	18	21.07	PASS
		37	38	21.04	PASS
		75	0	21.10	PASS
	HCH	1	0	20.96	PASS
		1	37	21.63	PASS
		1	74	21.88	PASS
		37	0	22.02	PASS
		37	18	21.64	PASS
		37	38	21.82	PASS
		75	0	21.65	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.48	PASS
		1	49	21.79	PASS
		1	99	22.09	PASS
		50	0	20.96	PASS
		50	25	21.25	PASS
		50	50	21.76	PASS
		100	0	21.50	PASS
	MCH	1	0	22.76	PASS
		1	49	23.40	PASS
		1	99	21.52	PASS
		50	0	22.09	PASS
		50	25	22.03	PASS
		50	50	22.02	PASS
		100	0	22.05	PASS
	HCH	1	0	23.59	PASS
		1	49	22.40	PASS
		1	99	22.99	PASS
		50	0	22.72	PASS
		50	25	22.39	PASS
		50	50	21.99	PASS
		100	0	22.41	PASS

16QAM	LCH	1	0	20.25	PASS
		1	49	20.93	PASS
		1	99	21.73	PASS
		50	0	21.07	PASS
		50	25	21.09	PASS
		50	50	21.37	PASS
		100	0	21.05	PASS
	MCH	1	0	22.30	PASS
		1	49	22.23	PASS
		1	99	21.90	PASS
		50	0	21.01	PASS
		50	25	20.96	PASS
		50	50	20.97	PASS
		100	0	21.00	PASS
	HCH	1	0	21.34	PASS
		1	49	21.66	PASS
		1	99	21.99	PASS
		50	0	20.12	PASS
		50	25	20.33	PASS
		50	50	20.61	PASS
		100	0	20.83	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	3.72	<13	PASS
		1	12	3.67	<13	PASS
		1	24	3.78	<13	PASS
		12	0	4.66	<13	PASS
		12	6	4.65	<13	PASS
		12	13	4.67	<13	PASS
		25	0	4.78	<13	PASS
	MCH	1	0	3.35	<13	PASS
		1	12	3.26	<13	PASS
		1	24	3.2	<13	PASS
		12	0	4.5	<13	PASS
		12	6	4.41	<13	PASS
		12	13	4.43	<13	PASS
		25	0	4.56	<13	PASS
	HCH	1	0	1.63	<13	PASS
		1	12	2.17	<13	PASS
		1	24	2.64	<13	PASS
		12	0	2.69	<13	PASS
		12	6	3.05	<13	PASS
		12	13	3.41	<13	PASS
		25	0	3.05	<13	PASS
16QAM	LCH	1	0	4.74	<13	PASS
		1	12	4.7	<13	PASS
		1	24	4.73	<13	PASS
		12	0	5.51	<13	PASS
		12	6	5.54	<13	PASS
		12	13	5.5	<13	PASS
		25	0	5.6	<13	PASS

	MCH	1	0	4.39	<13	PASS
		1	12	4.35	<13	PASS
		1	24	4.28	<13	PASS
		12	0	5.37	<13	PASS
		12	6	5.32	<13	PASS
		12	13	5.26	<13	PASS
		25	0	5.4	<13	PASS
	HCH	1	0	2.54	<13	PASS
		1	12	2.9	<13	PASS
		1	24	3.39	<13	PASS
		12	0	3.7	<13	PASS
		12	6	3.8	<13	PASS
		12	13	4.16	<13	PASS
		25	0	3.8	<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	3.76	<13	PASS
		1	24	3.79	<13	PASS
		1	49	3.9	<13	PASS
		25	0	4.69	<13	PASS
		25	12	4.77	<13	PASS
		25	25	4.75	<13	PASS
		50	0	4.71	<13	PASS
	MCH	1	0	3.44	<13	PASS
		1	24	3.36	<13	PASS
		1	49	3.19	<13	PASS
		25	0	4.54	<13	PASS
		25	12	4.48	<13	PASS
		25	25	4.44	<13	PASS
		50	0	4.5	<13	PASS
	HCH	1	0	2.32	<13	PASS
		1	24	1.76	<13	PASS
		1	49	2.87	<13	PASS
		25	0	3.3	<13	PASS
		25	12	2.91	<13	PASS
		25	25	3.08	<13	PASS
		50	0	3.11	<13	PASS
16QAM	LCH	1	0	4.65	<13	PASS

		1	24	4.77	<13	PASS
		1	49	4.88	<13	PASS
		25	0	5.59	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.64	<13	PASS
		50	0	5.46	<13	PASS
	MCH	1	0	4.44	<13	PASS
		1	24	4.23	<13	PASS
		1	49	4.19	<13	PASS
		25	0	5.4	<13	PASS
		25	12	5.37	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.32	<13	PASS
	HCH	1	0	3.58	<13	PASS
		1	24	2.7	<13	PASS
		1	49	3.76	<13	PASS
		25	0	4.36	<13	PASS
		25	12	3.96	<13	PASS
		25	25	3.81	<13	PASS
		50	0	4.11	<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	3.67	<13	PASS
		1	37	3.79	<13	PASS
		1	74	3.81	<13	PASS
		37	0	5.09	<13	PASS
		37	18	5	<13	PASS
		37	38	5.22	<13	PASS
		75	0	5.25	<13	PASS
	MCH	1	0	3.66	<13	PASS
		1	37	3.23	<13	PASS
		1	74	3.84	<13	PASS
		37	0	4.51	<13	PASS
		37	18	4.42	<13	PASS
		37	38	4.4	<13	PASS
		75	0	4.78	<13	PASS
	HCH	1	0	3.33	<13	PASS
		1	37	1.73	<13	PASS

		1	74	2.24	<13	PASS
		37	0	4.78	<13	PASS
		37	18	4	<13	PASS
		37	38	3.51	<13	PASS
		75	0	4.71	<13	PASS
16QAM	LCH	1	0	4.78	<13	PASS
		1	37	4.64	<13	PASS
		1	74	4.75	<13	PASS
		37	0	5.79	<13	PASS
		37	18	5.73	<13	PASS
		37	38	5.5	<13	PASS
		75	0	5.97	<13	PASS
	MCH	1	0	4.51	<13	PASS
		1	37	4.25	<13	PASS
		1	74	4.15	<13	PASS
		37	0	5.38	<13	PASS
		37	18	5.31	<13	PASS
		37	38	5.28	<13	PASS
		75	0	5.46	<13	PASS
	HCH	1	0	4.88	<13	PASS
		1	37	3.56	<13	PASS
		1	74	3.26	<13	PASS
		37	0	5.46	<13	PASS
		37	18	4.36	<13	PASS
		37	38	3.89	<13	PASS
		75	0	4.71	<13	PASS

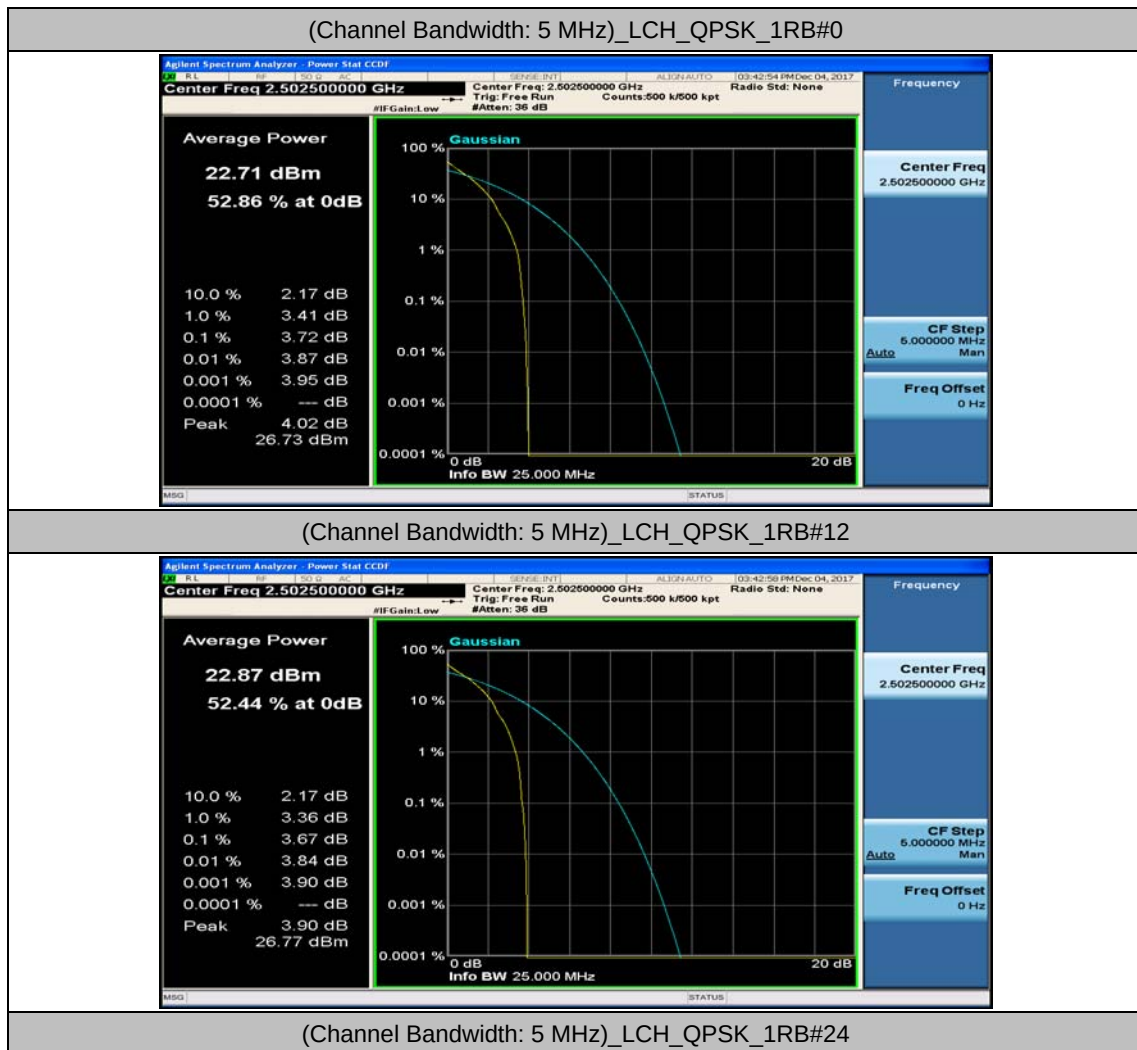
Channel Bandwidth: 20 MHz

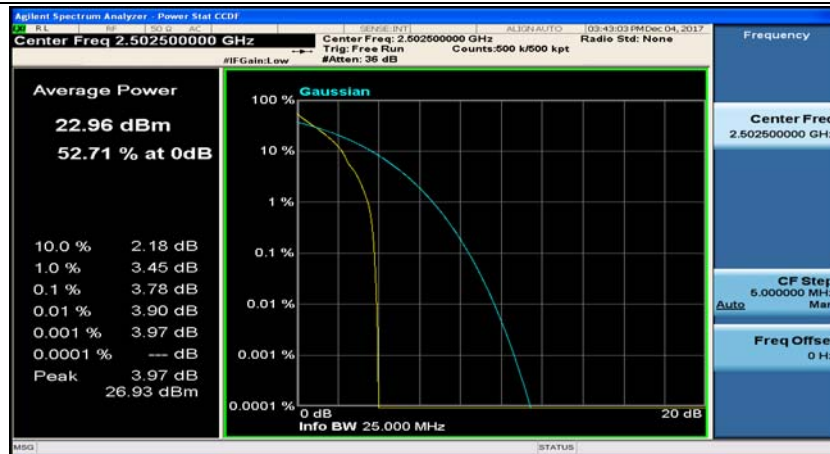
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.78	<13	PASS
		1	49	4.86	<13	PASS
		1	99	4.82	<13	PASS
		50	0	5.27	<13	PASS
		50	25	5.47	<13	PASS
		50	50	5.55	<13	PASS
		100	0	5.73	<13	PASS
	MCH	1	0	4.22	<13	PASS
		1	49	3.63	<13	PASS
		1	99	3.99	<13	PASS

		50	0	4.6	<13	PASS
		50	25	4.58	<13	PASS
		50	50	4.55	<13	PASS
		100	0	4.85	<13	PASS
	HCH	1	0	3.71	<13	PASS
		1	49	3.69	<13	PASS
		1	99	2.27	<13	PASS
		50	0	4.79	<13	PASS
		50	25	4.44	<13	PASS
		50	50	4.02	<13	PASS
		100	0	5.08	<13	PASS
16QAM	LCH	1	0	5.45	<13	PASS
		1	49	5.02	<13	PASS
		1	99	5.48	<13	PASS
		50	0	5.96	<13	PASS
		50	25	5.76	<13	PASS
		50	50	5.84	<13	PASS
		100	0	5.92	<13	PASS
	MCH	1	0	4.64	<13	PASS
		1	49	4.17	<13	PASS
		1	99	4.67	<13	PASS
		50	0	5.41	<13	PASS
		50	25	5.28	<13	PASS
		50	50	5.39	<13	PASS
		100	0	5.53	<13	PASS
	HCH	1	0	4.85	<13	PASS
		1	49	4.27	<13	PASS
		1	99	3.17	<13	PASS
		50	0	5.57	<13	PASS
		50	25	5.25	<13	PASS
		50	50	4.39	<13	PASS
		100	0	5.7	<13	PASS

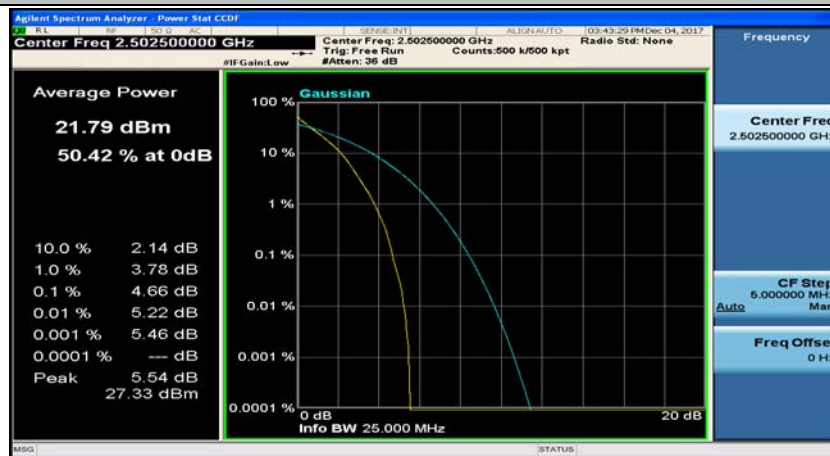
Test Graphs

Channel Bandwidth: 5 MHz





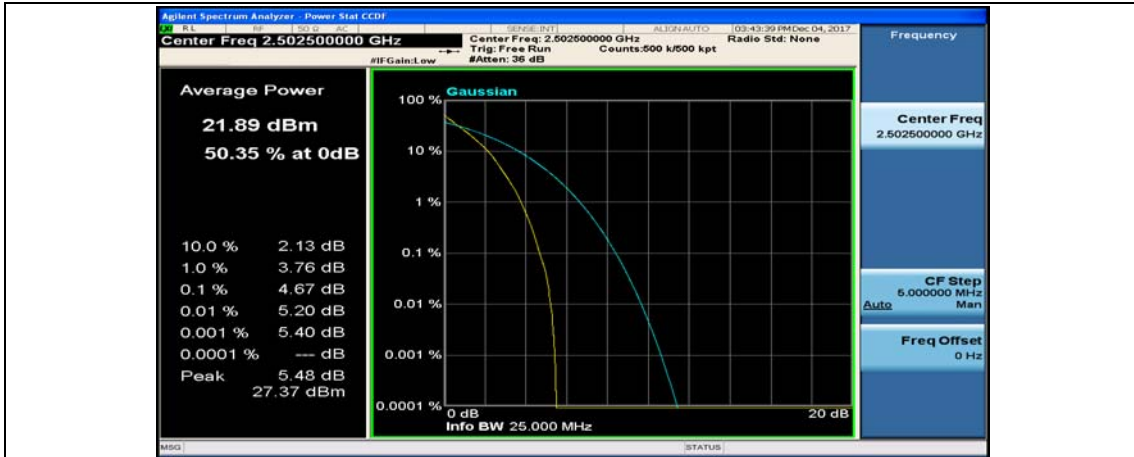
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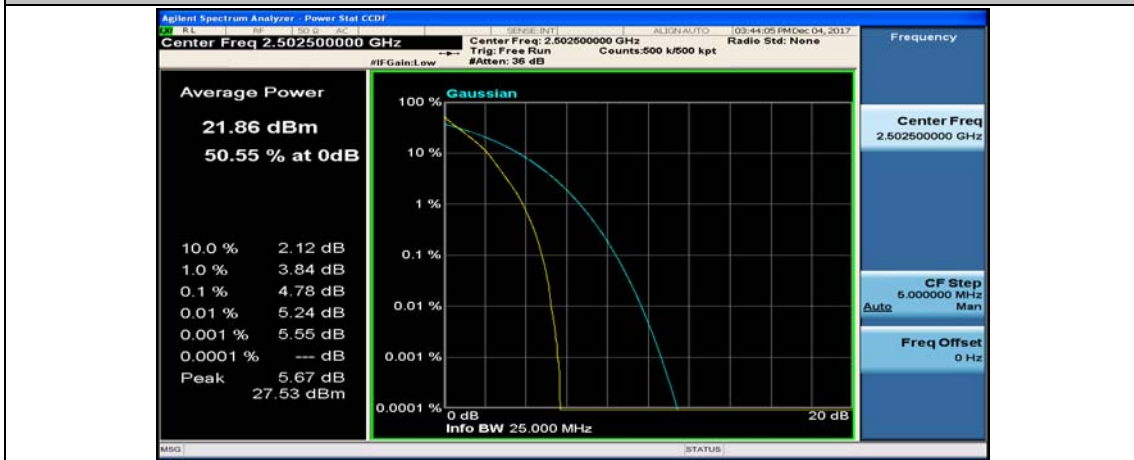
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(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



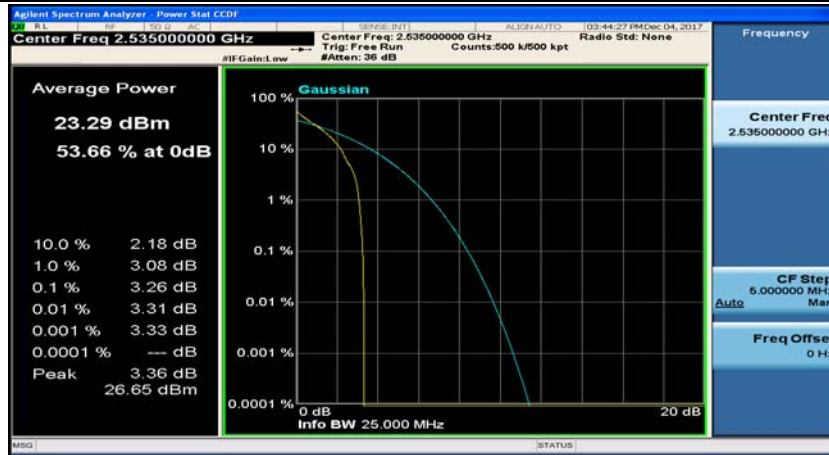
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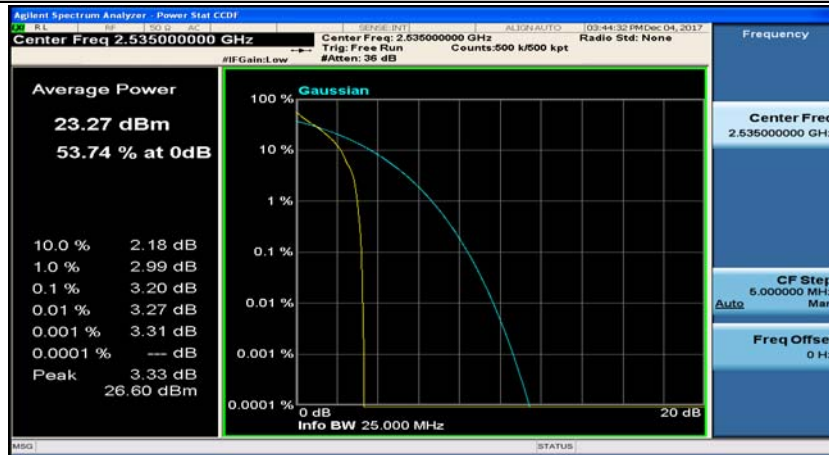
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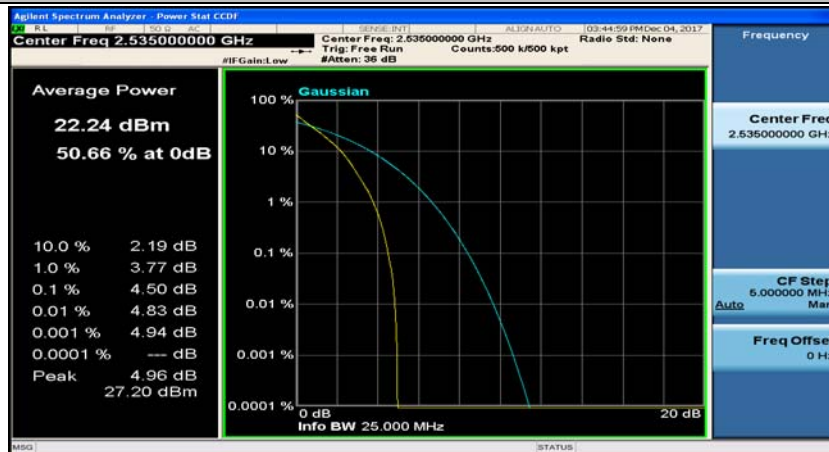
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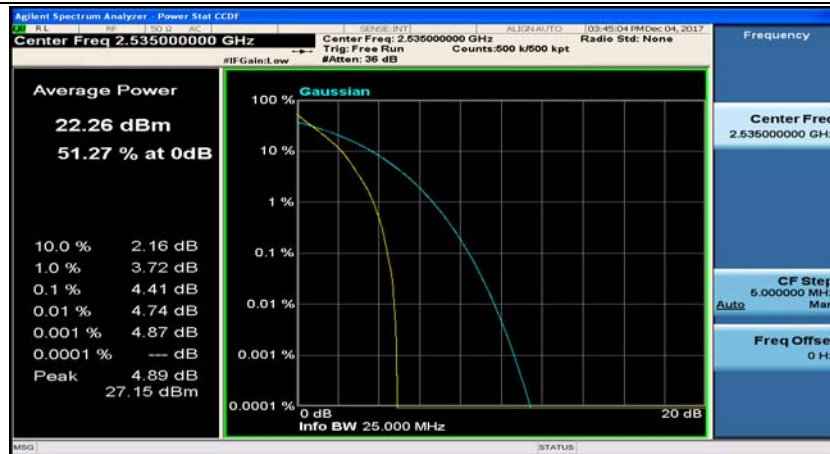
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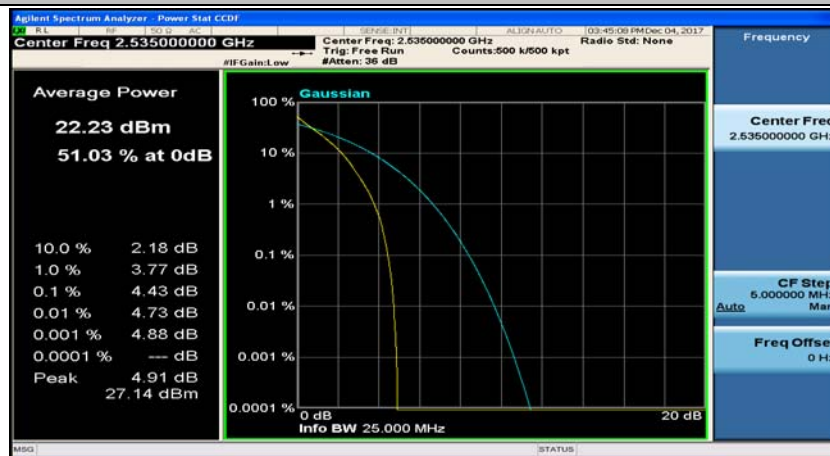
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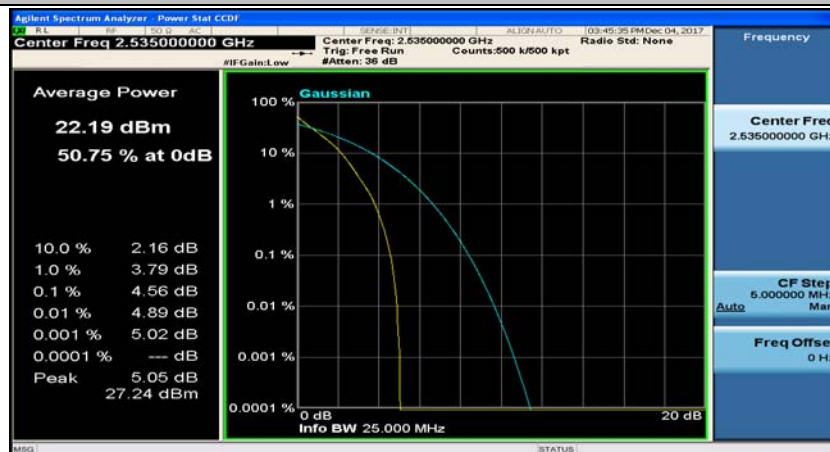
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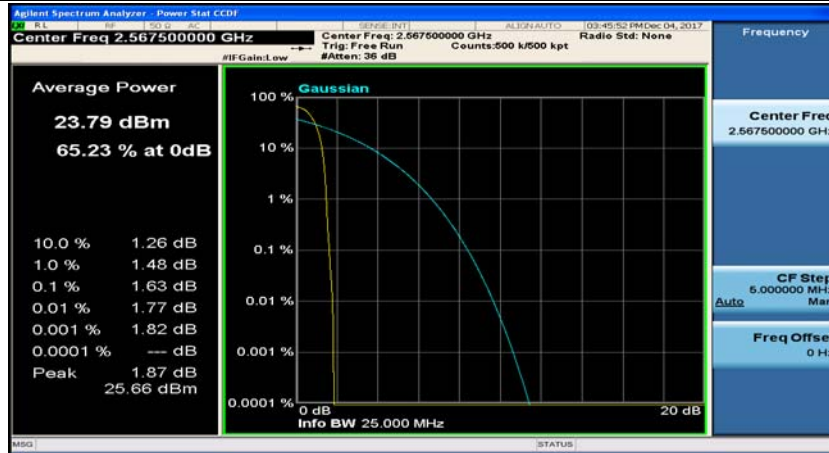
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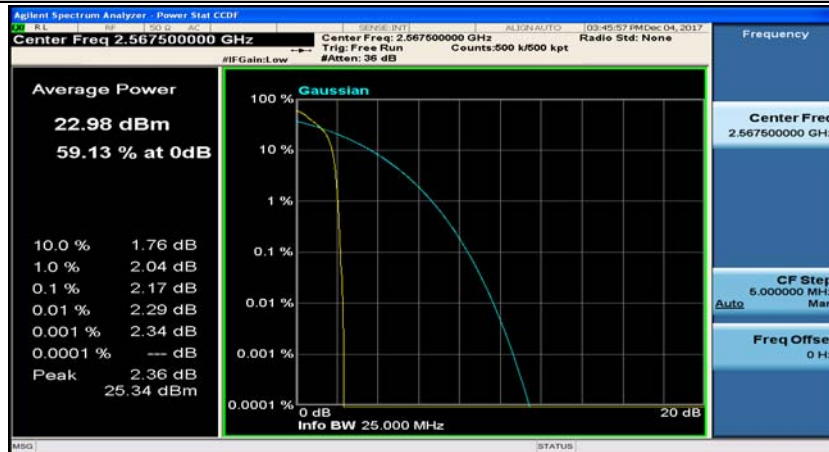
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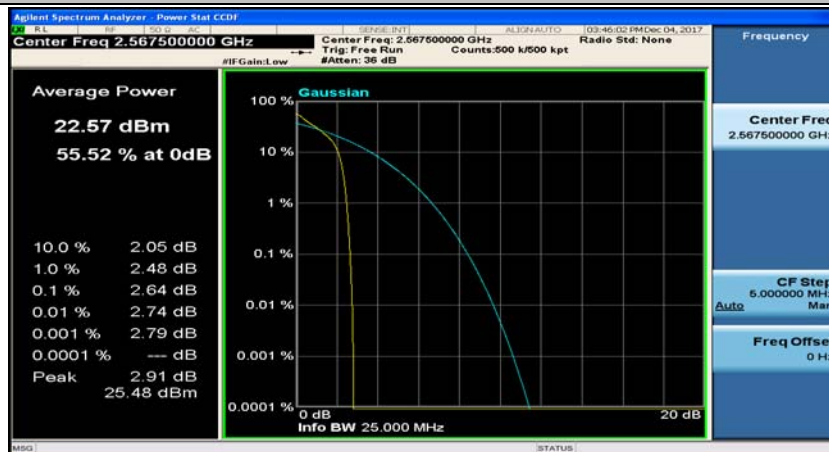
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



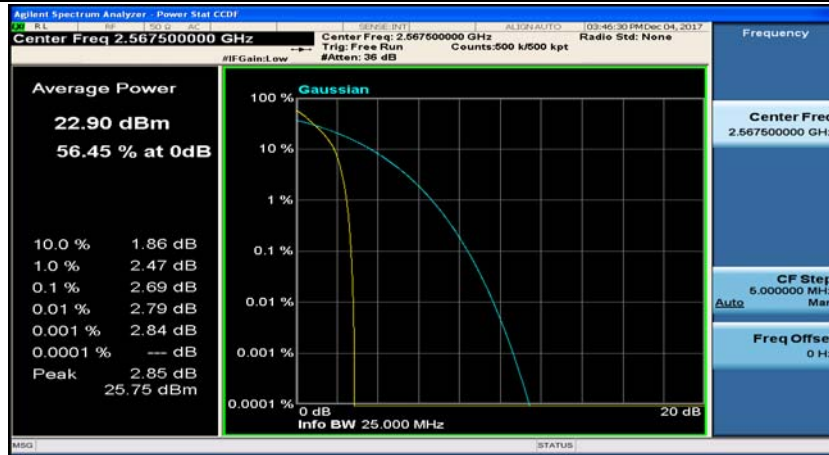
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



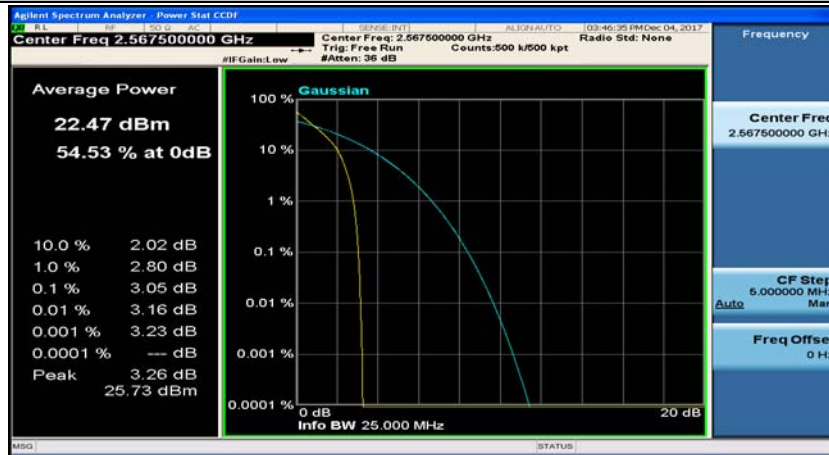
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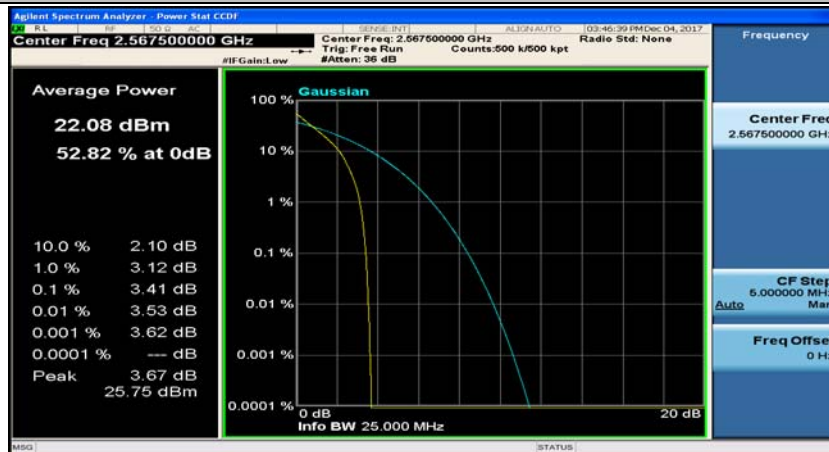
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



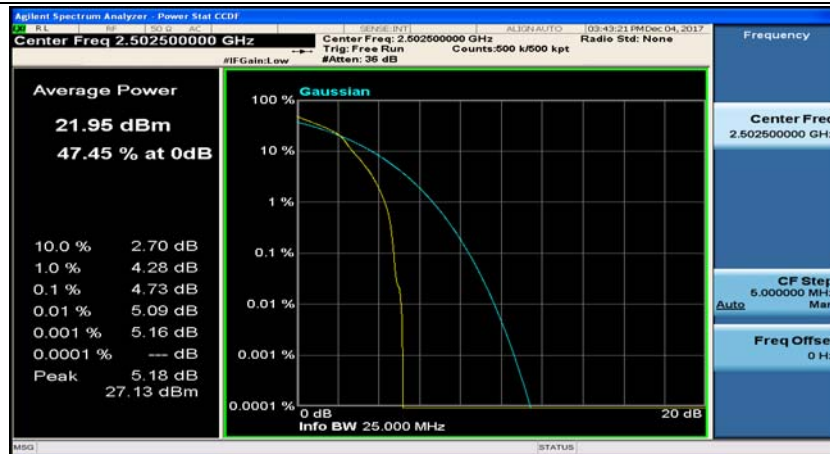
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



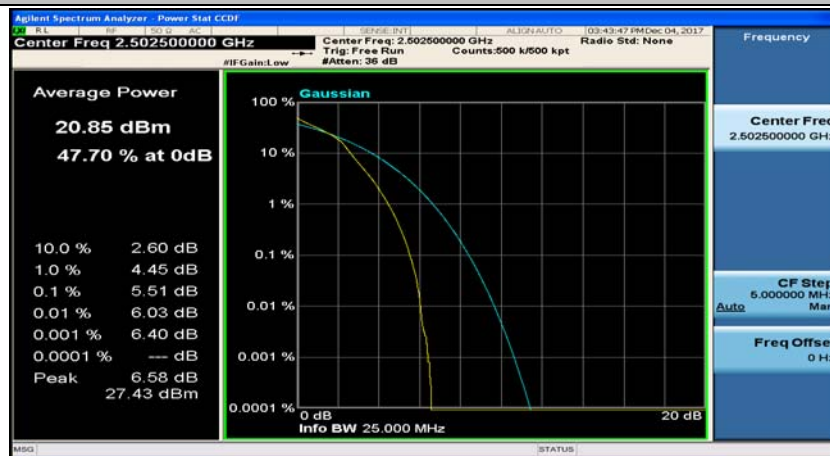
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



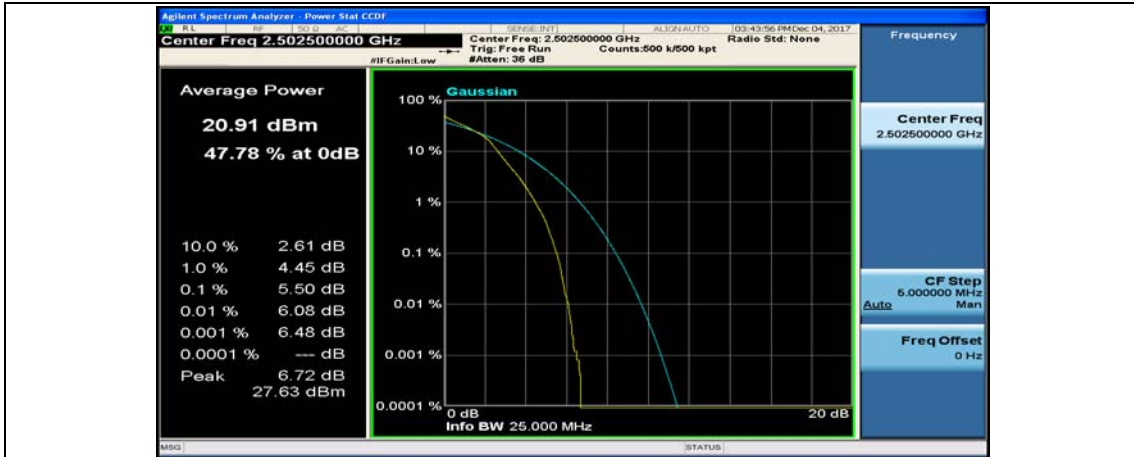
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



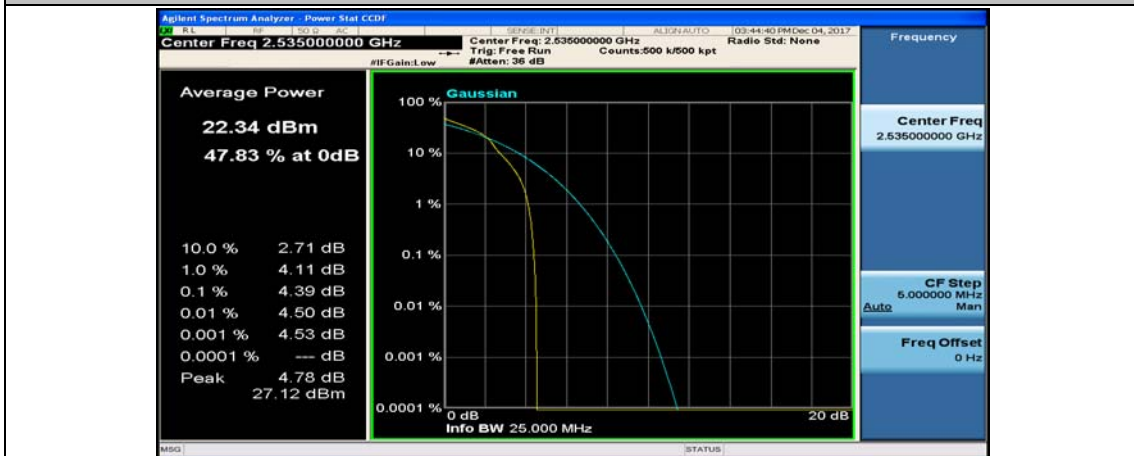
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



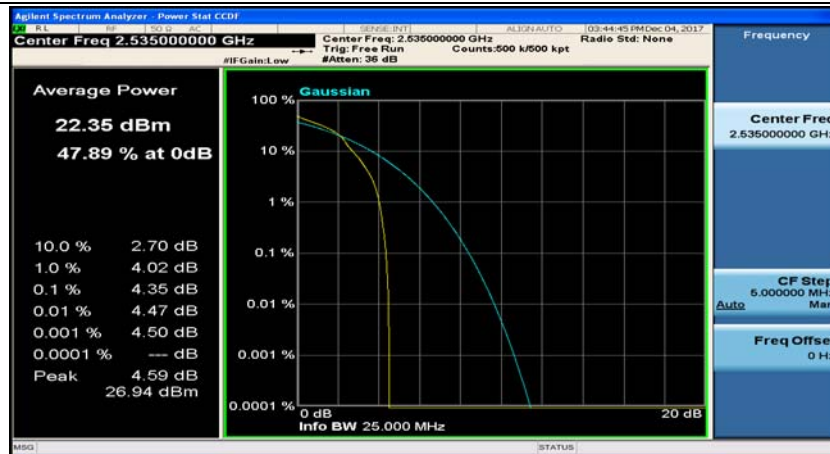
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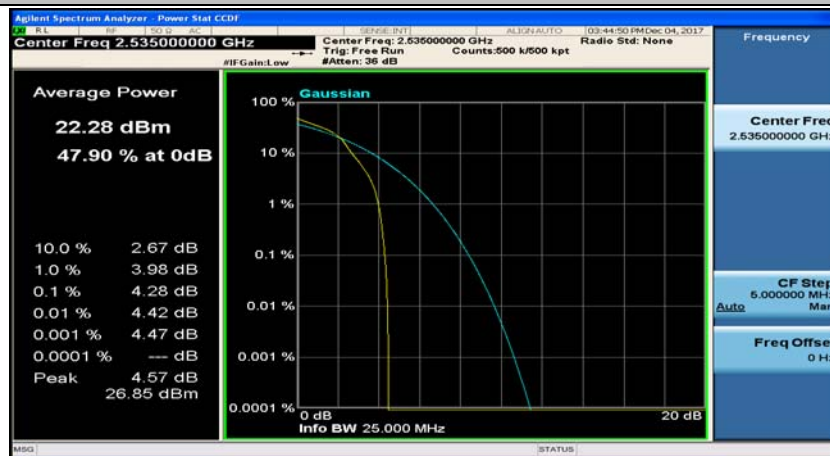
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



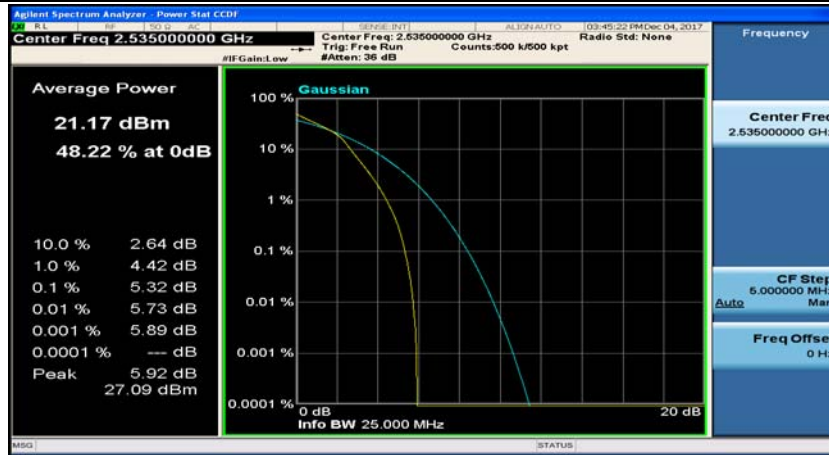
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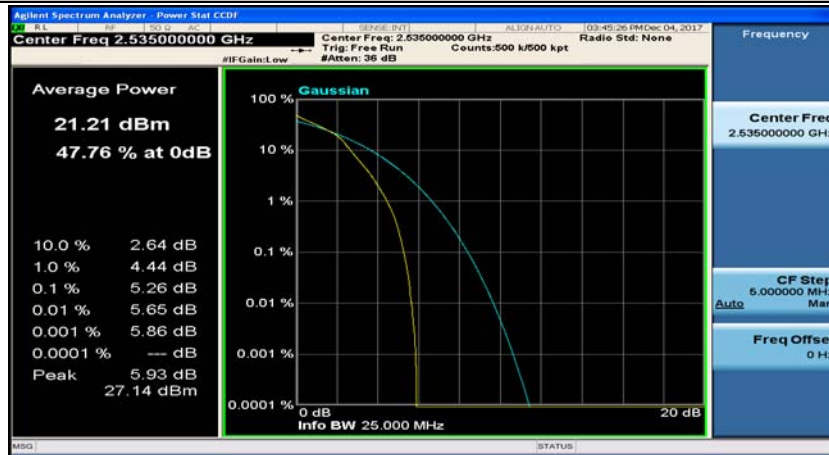
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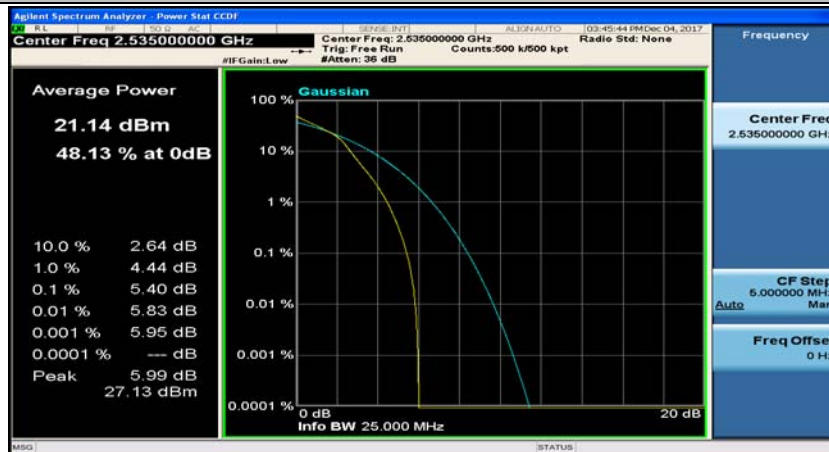
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



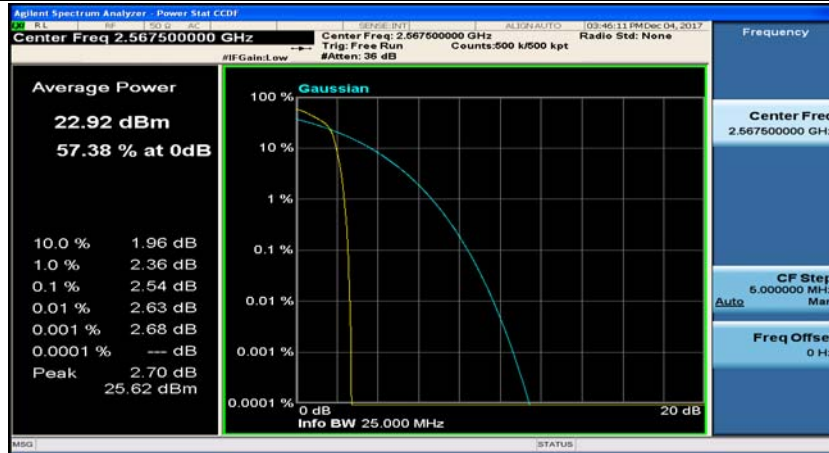
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



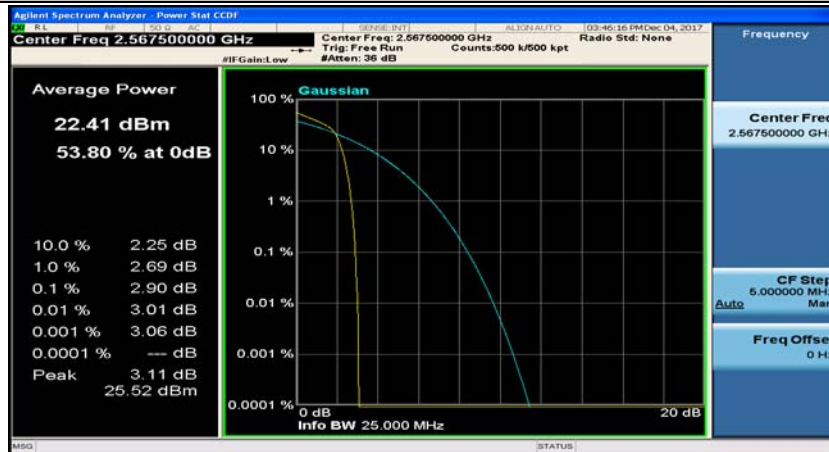
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



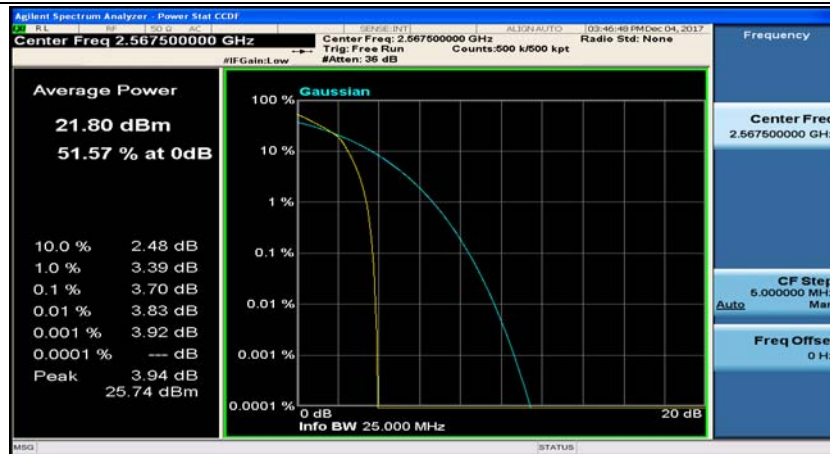
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



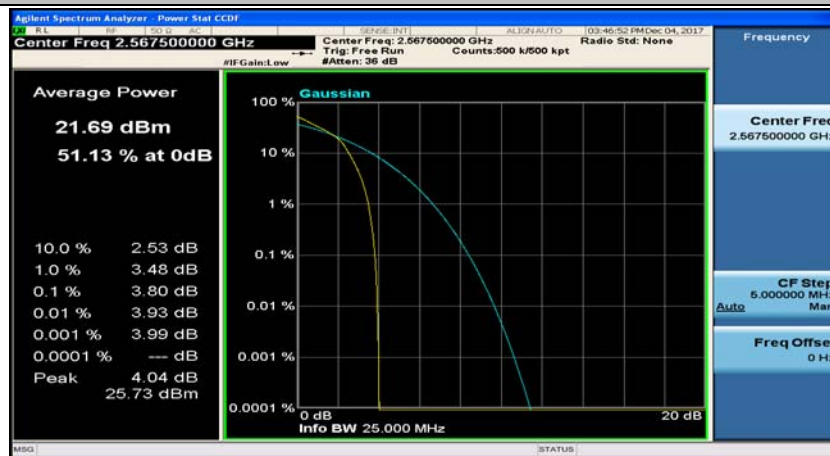
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



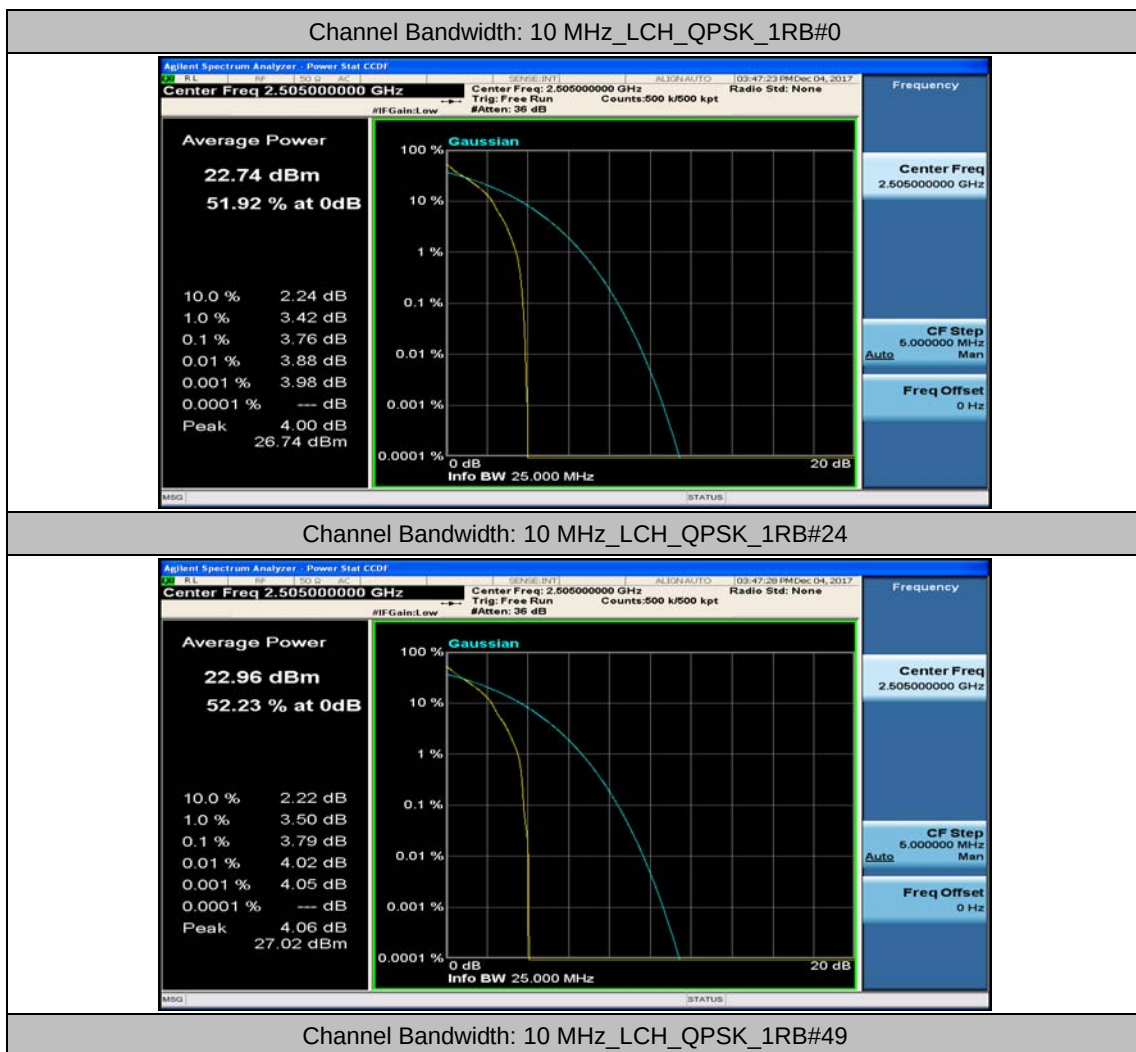
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

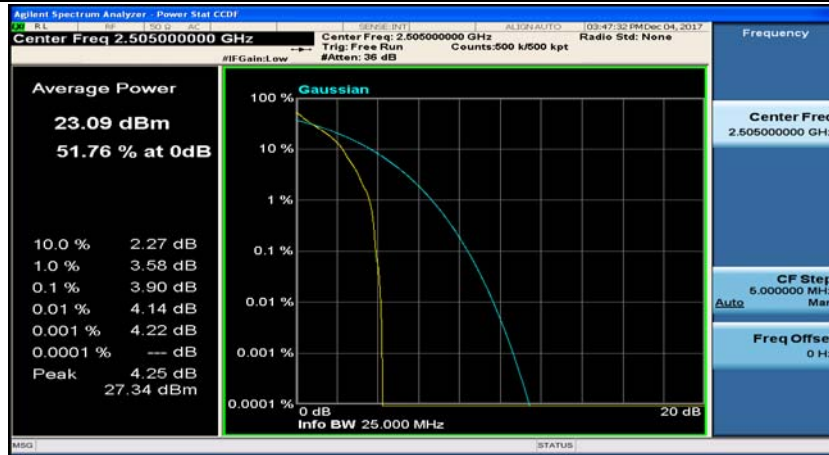


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

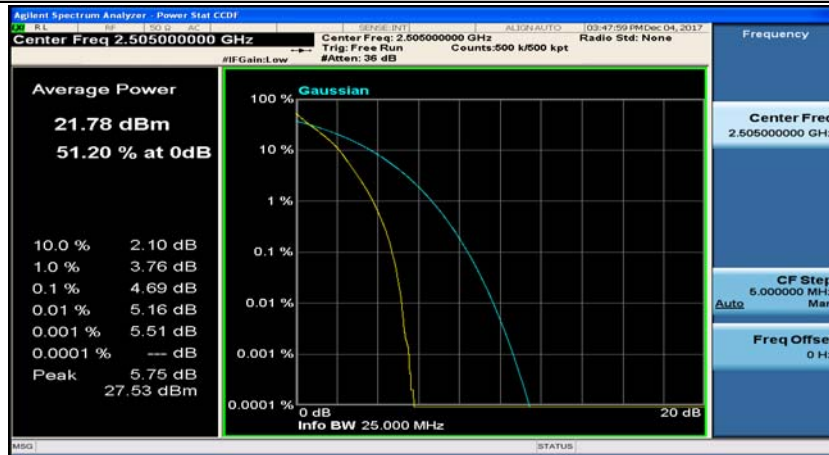


Channel Bandwidth: 10 MHz

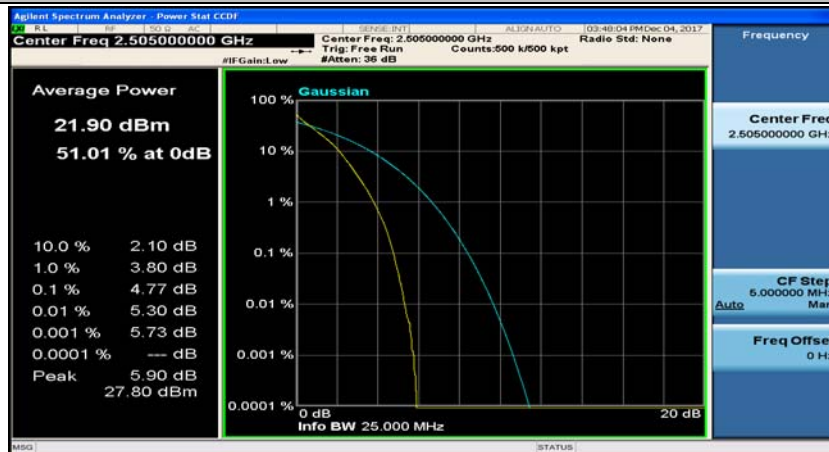




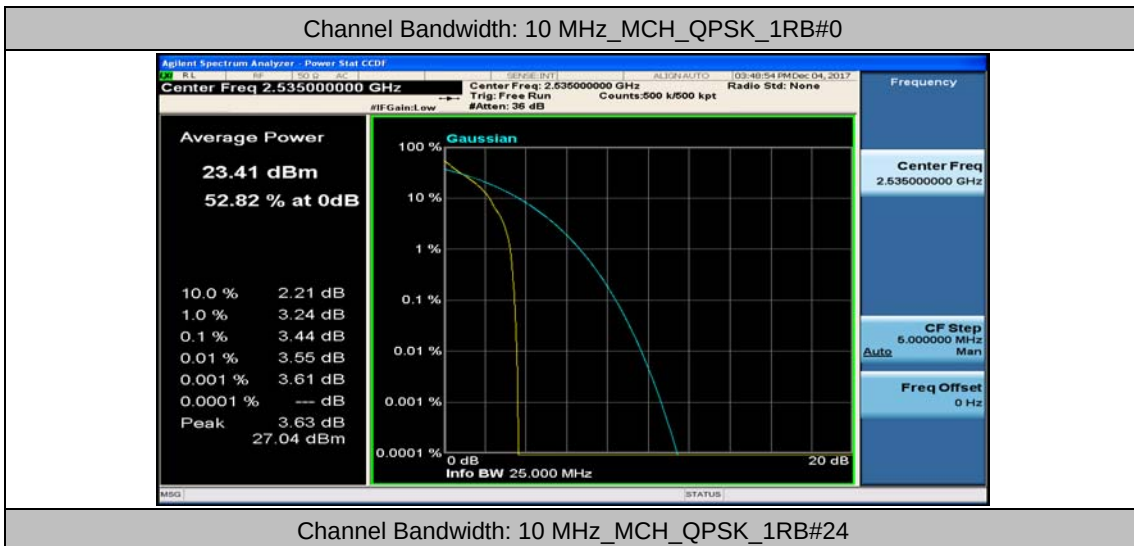
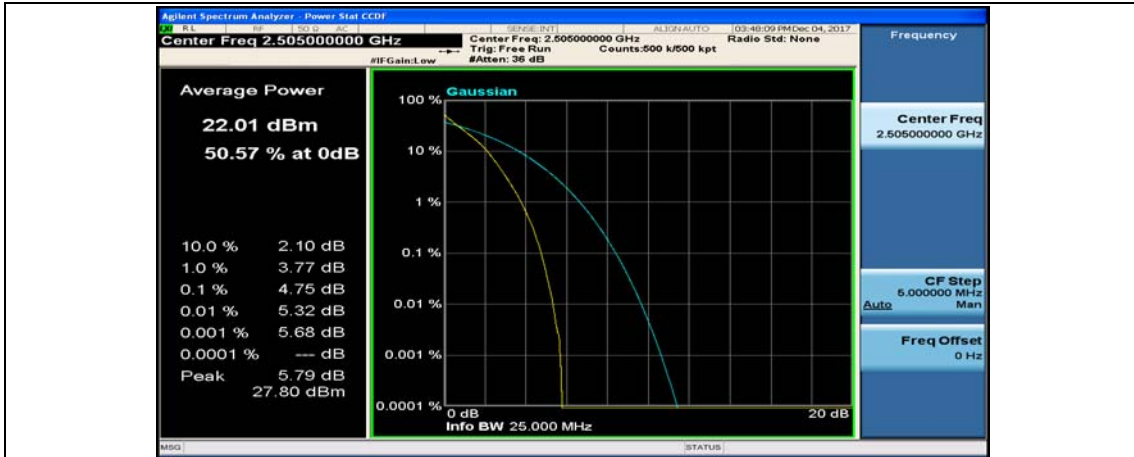
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

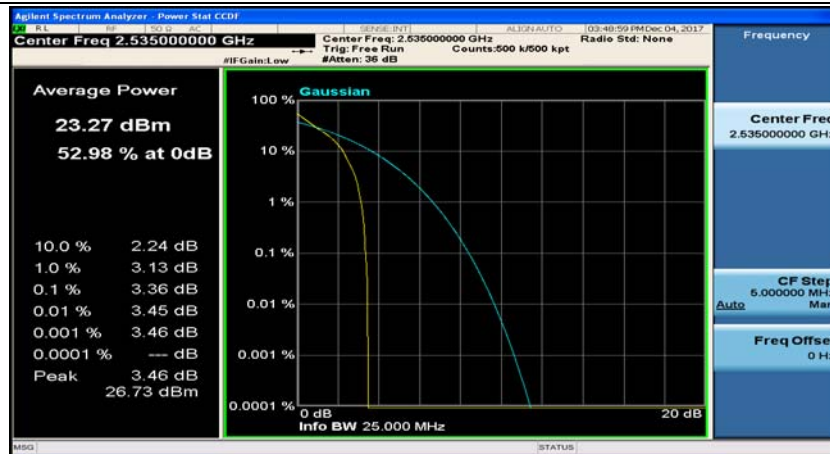


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

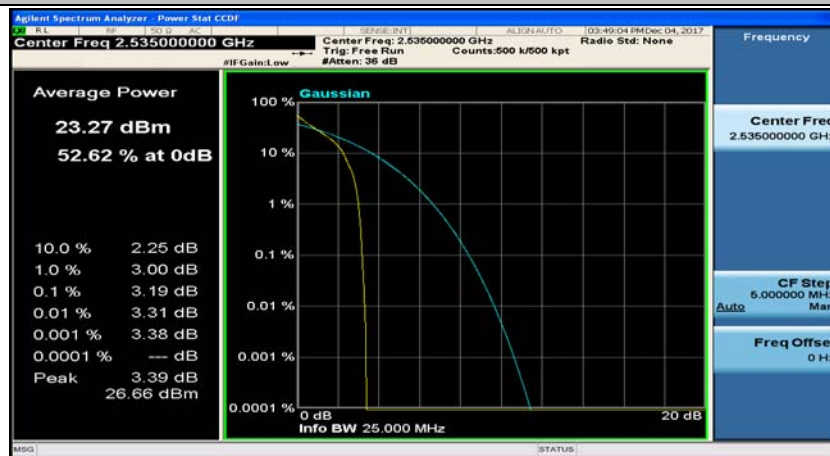


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25





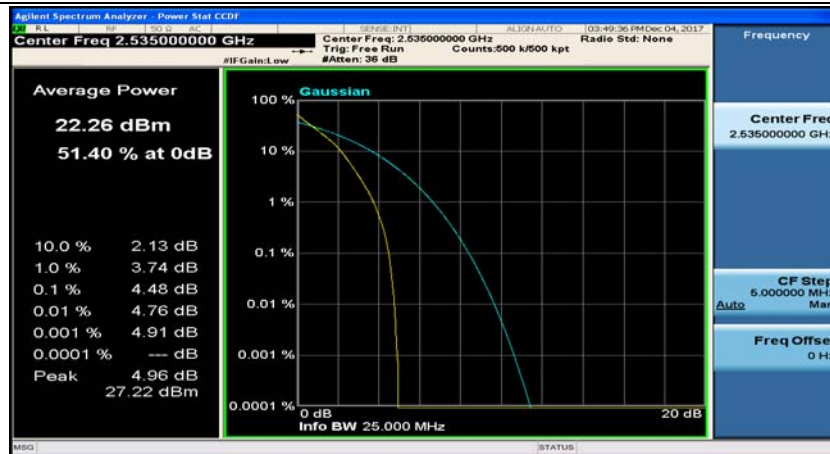
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



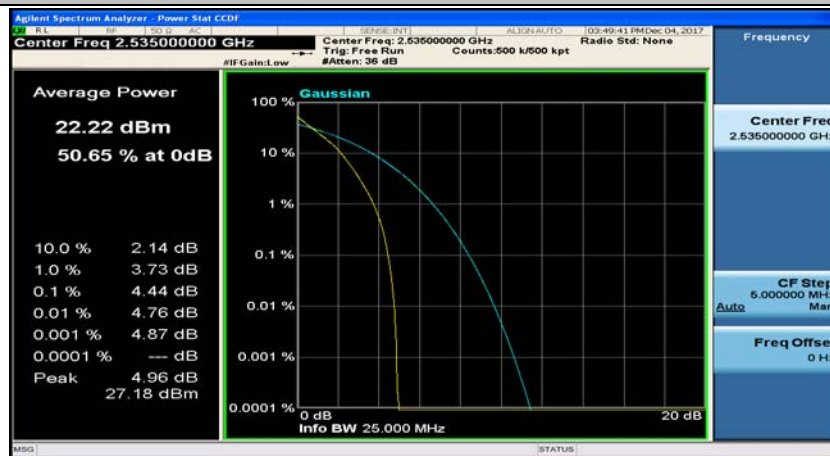
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



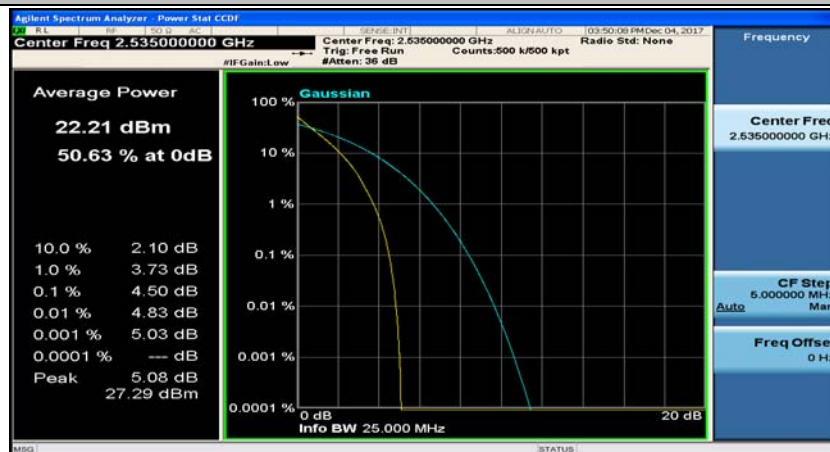
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



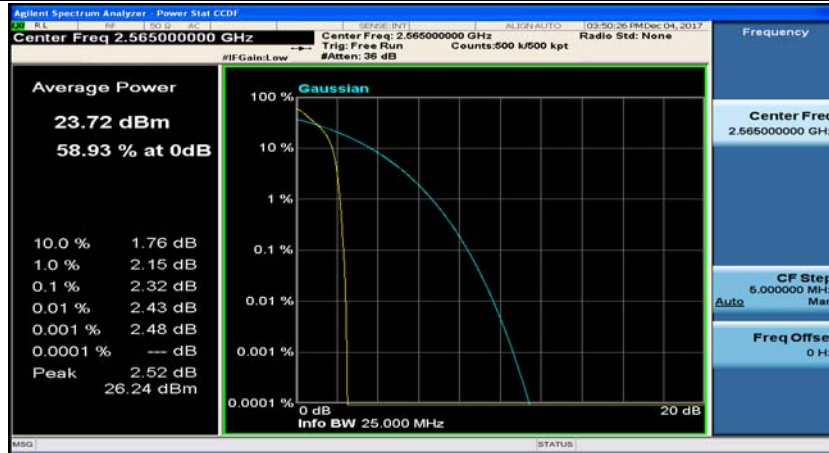
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



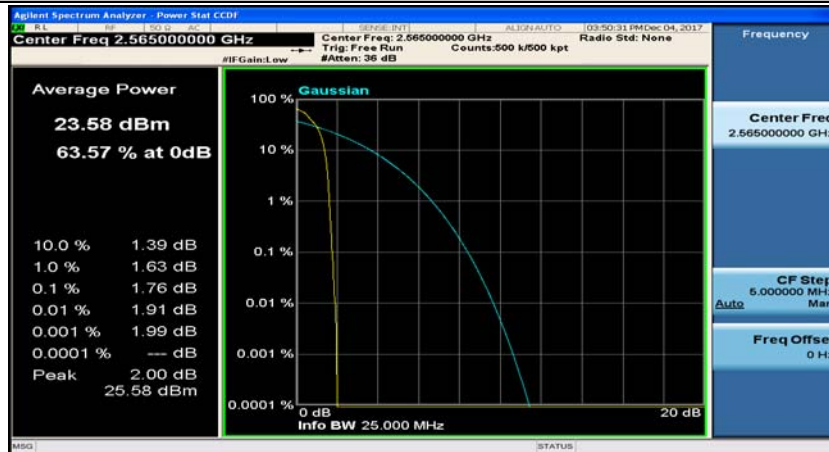
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



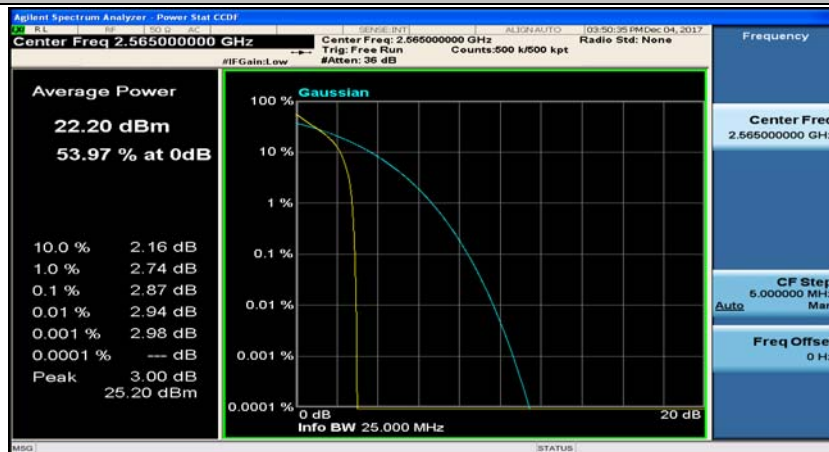
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



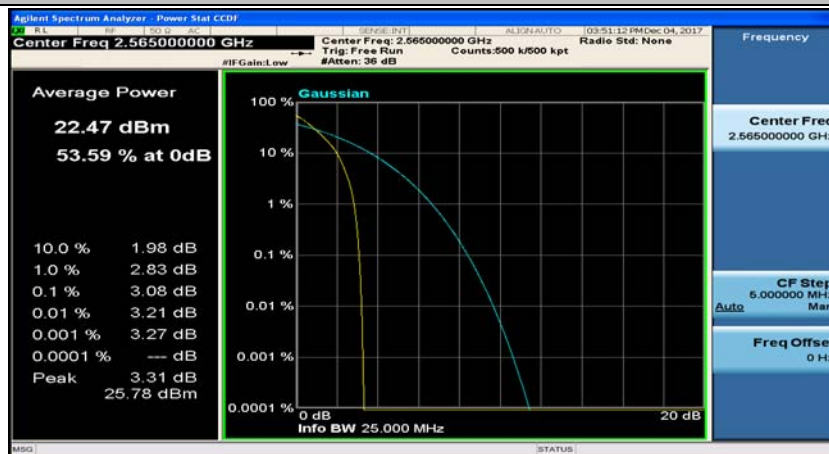
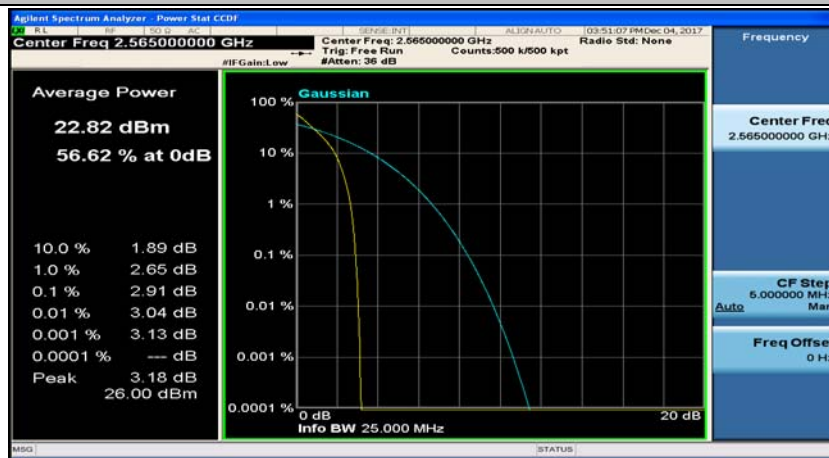
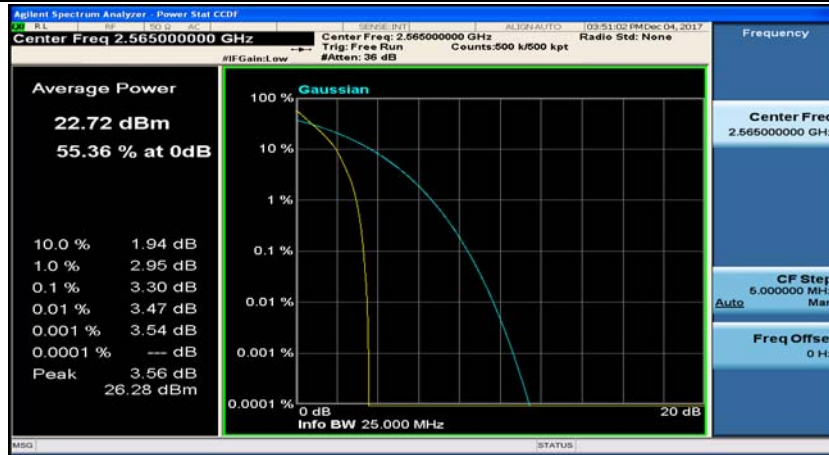
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0





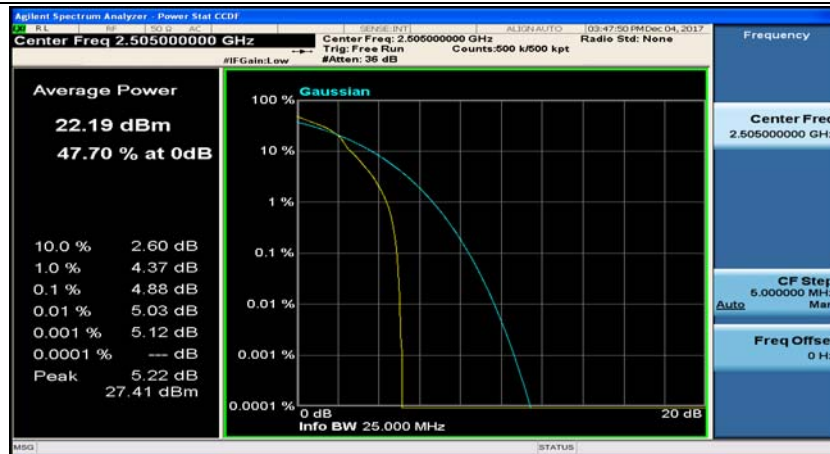
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



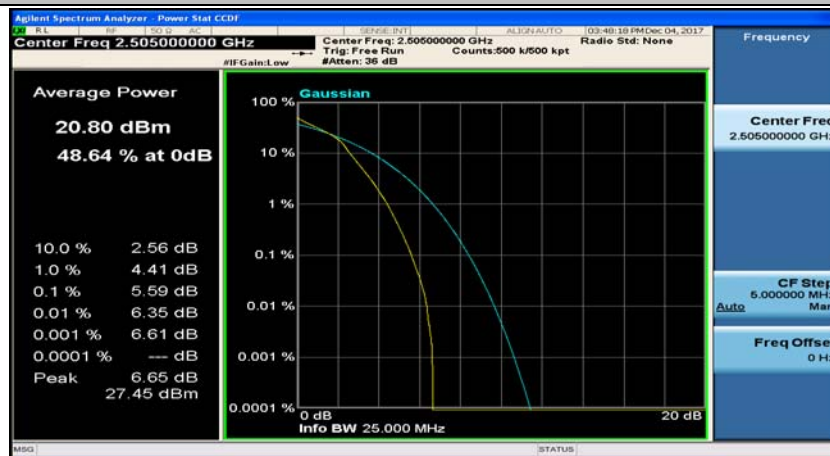
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



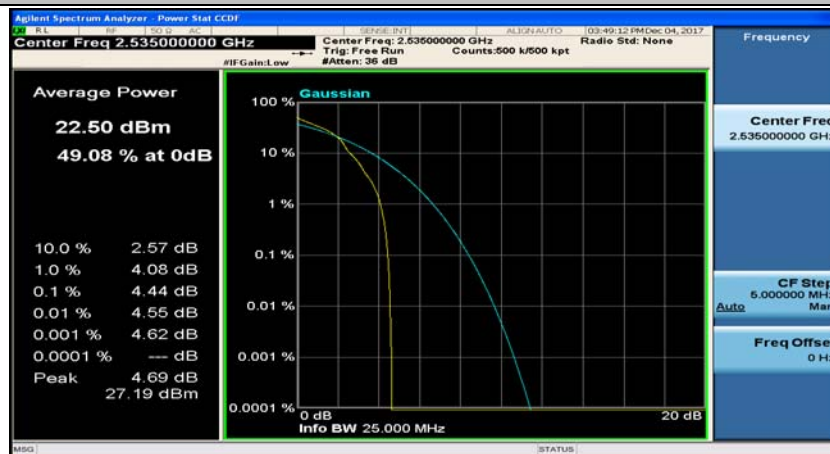
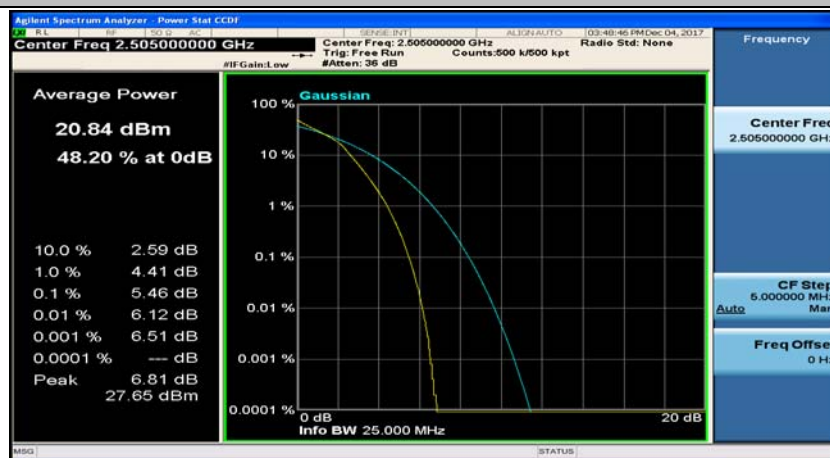
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

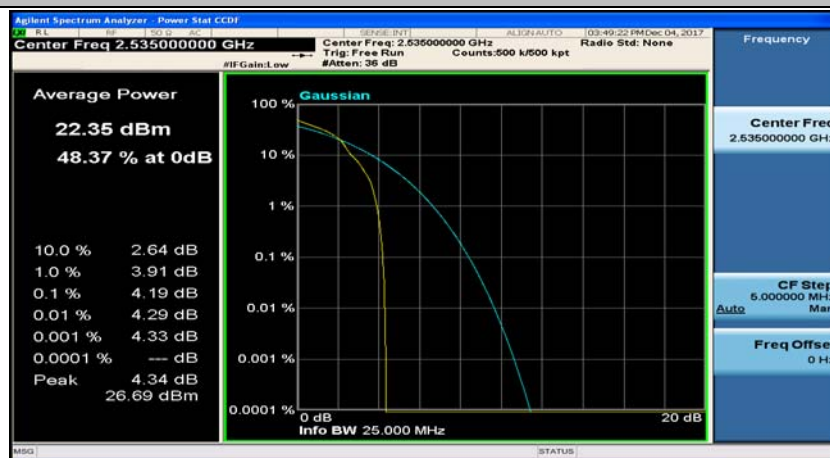
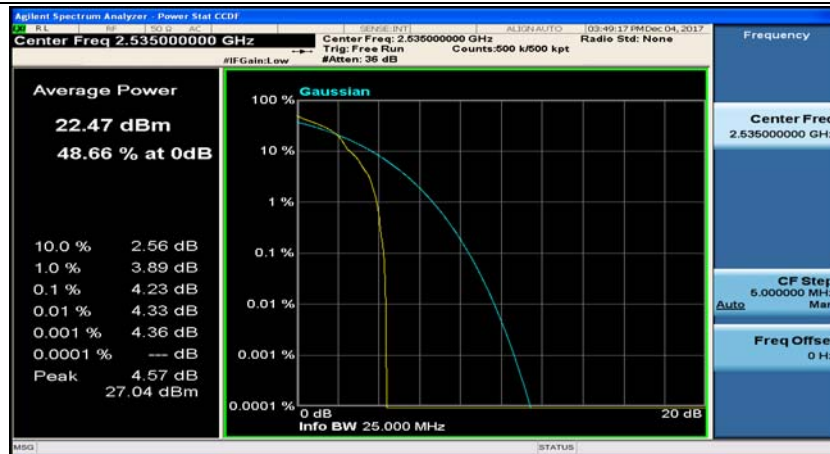


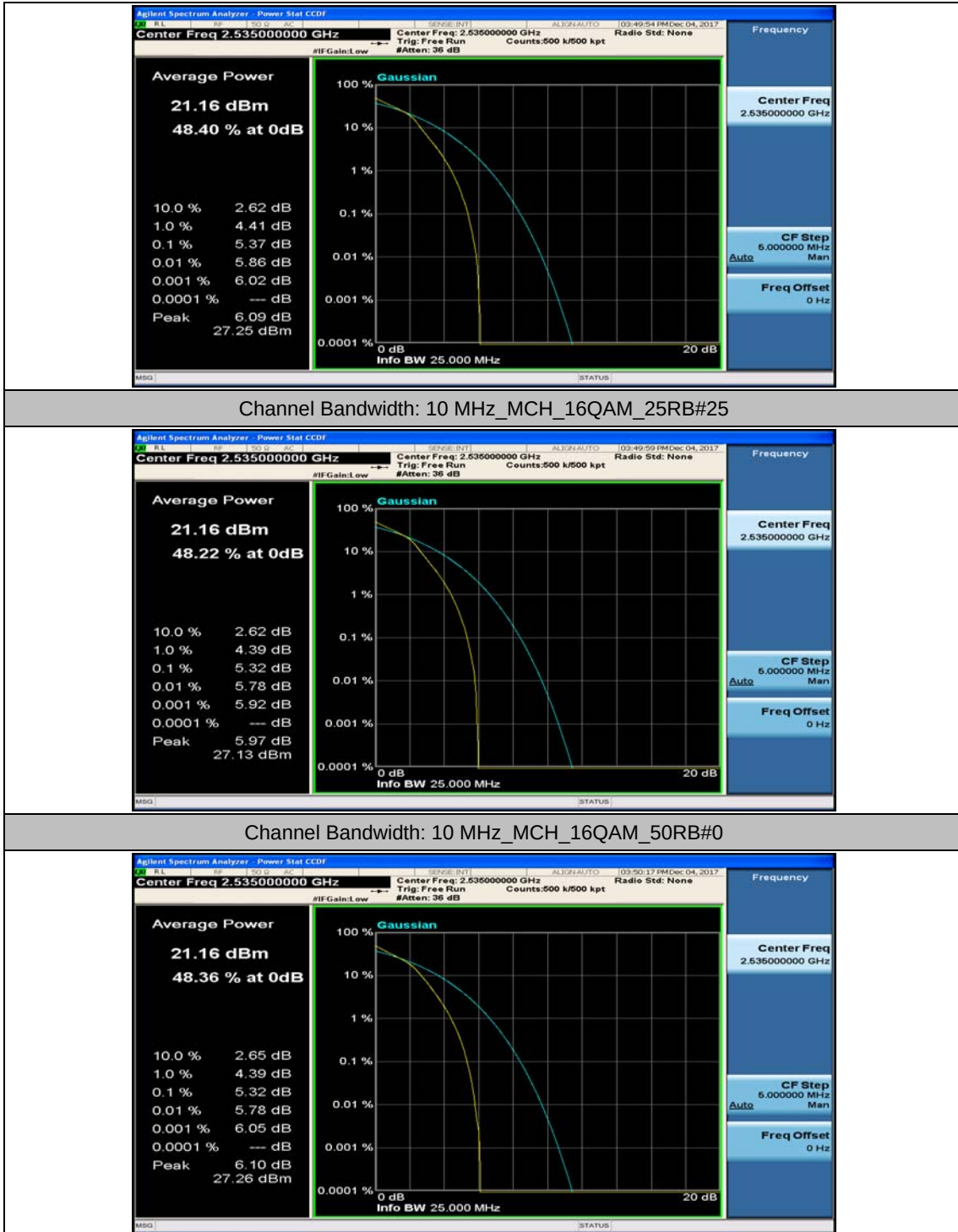
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



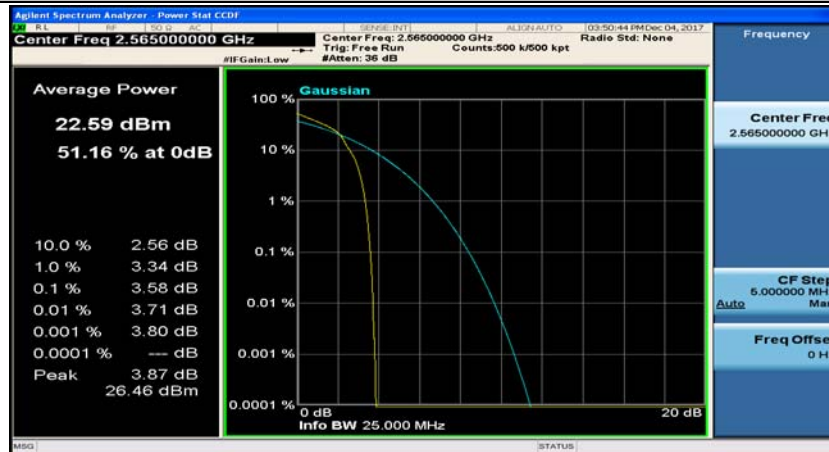
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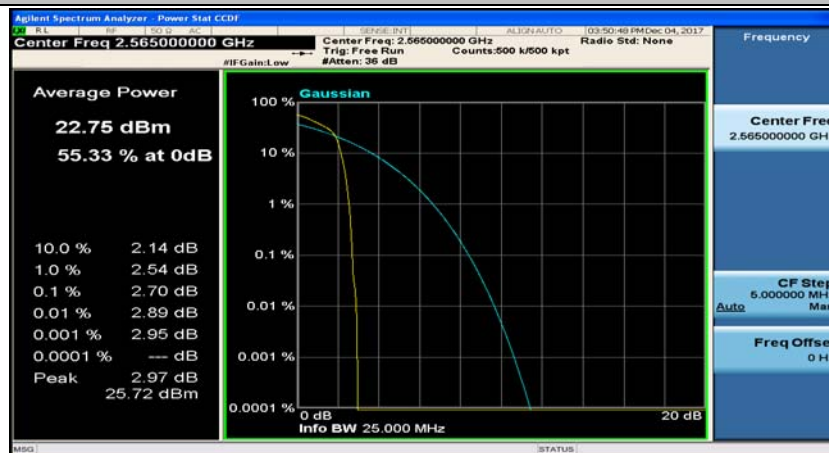




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



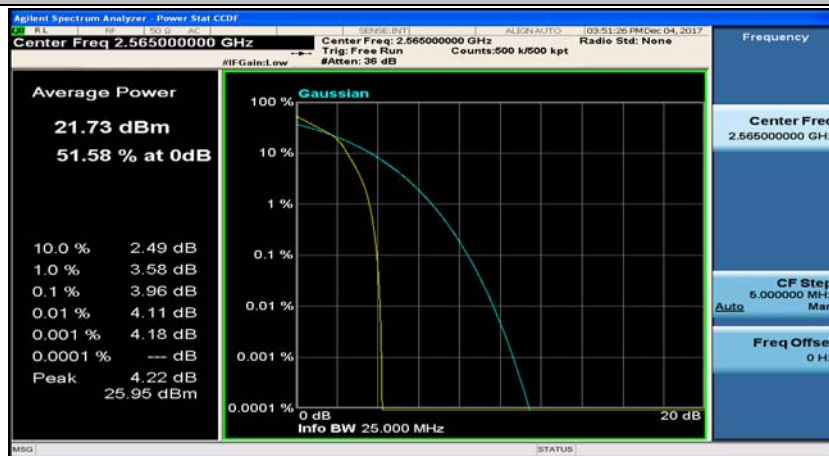
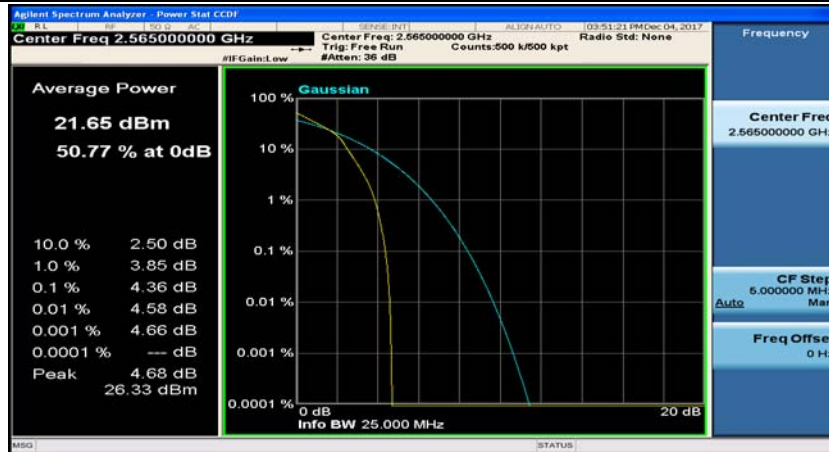
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



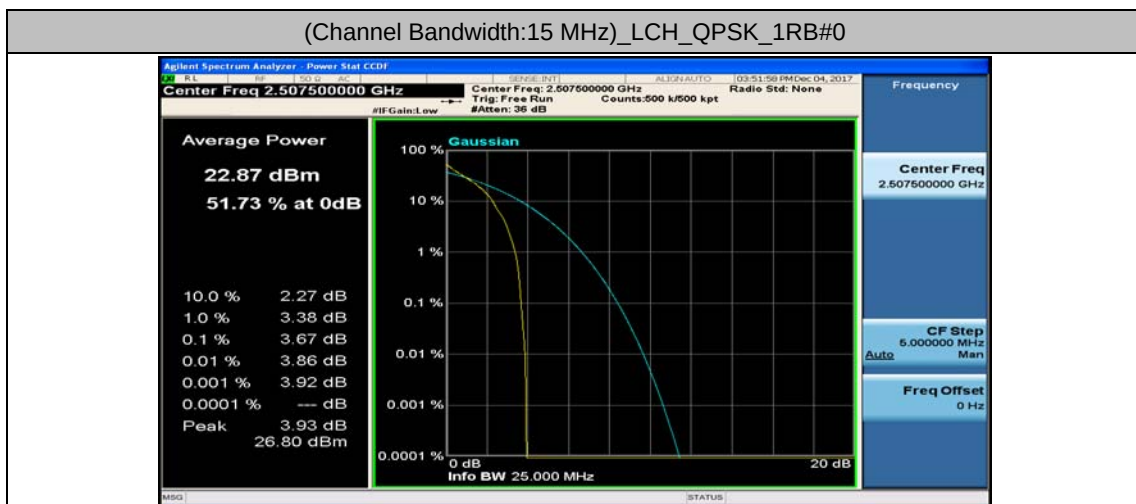
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0





Channel Bandwidth: 15 MHz

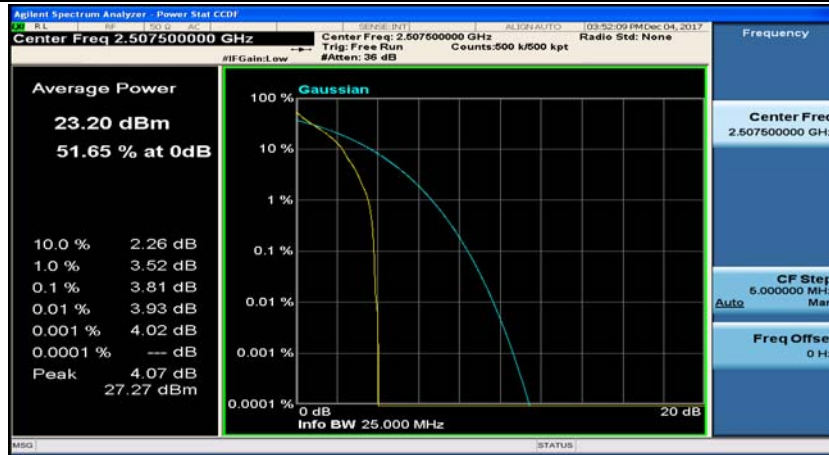
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



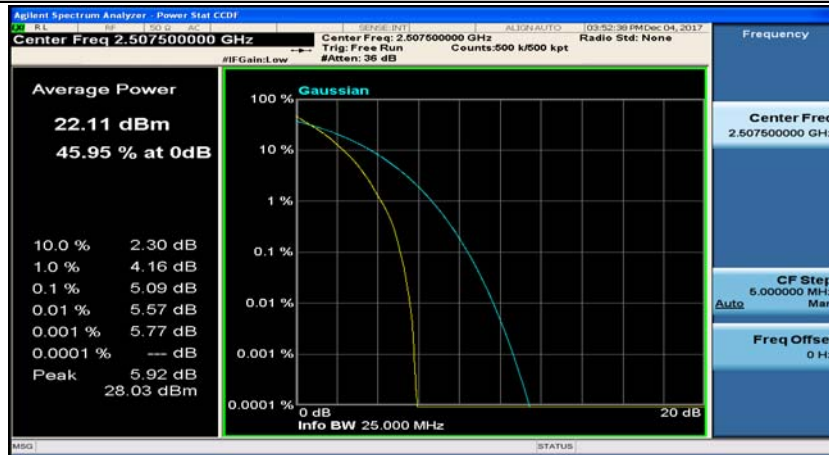
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



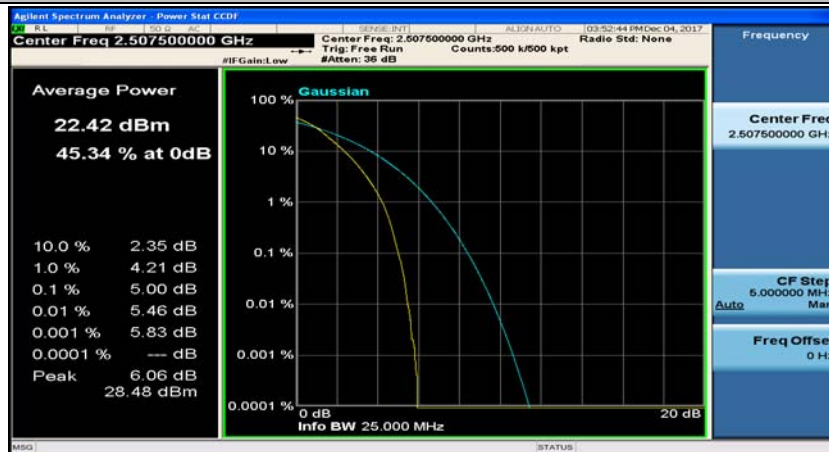
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



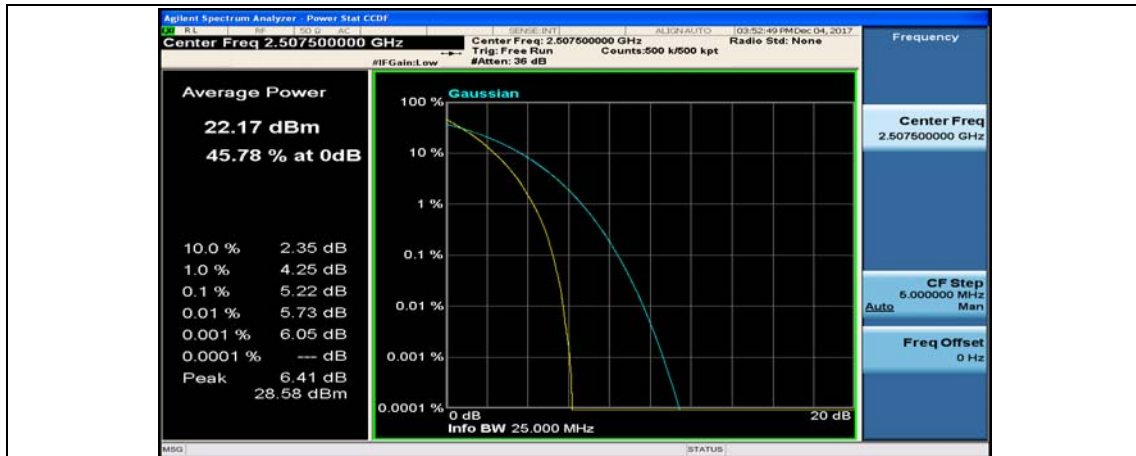
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



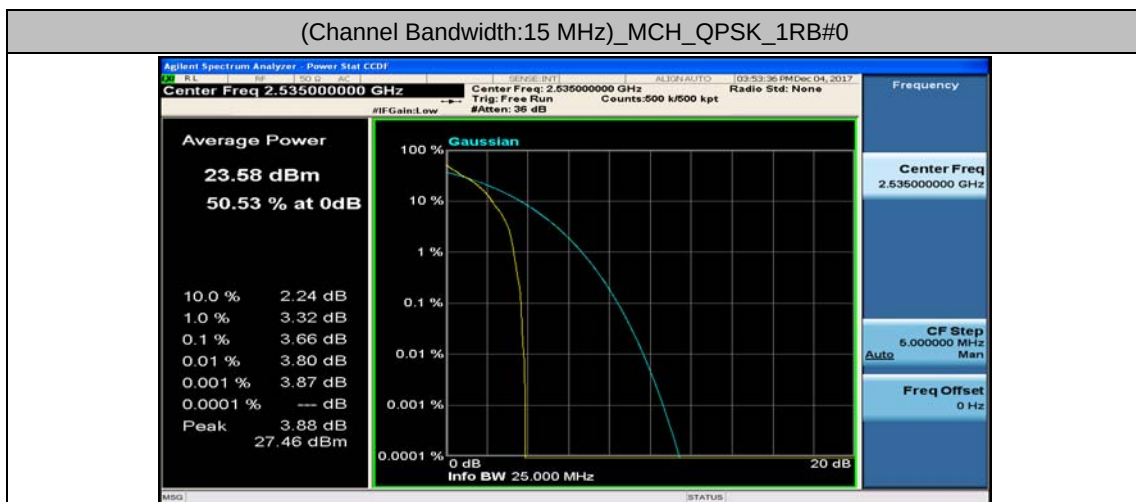
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



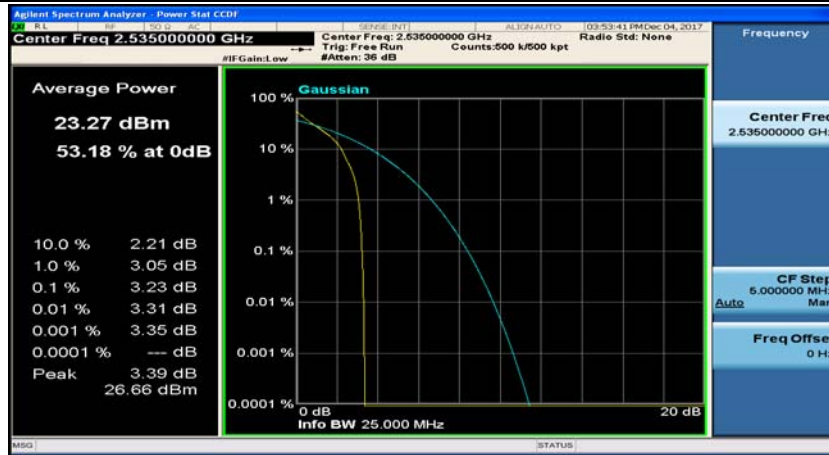
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



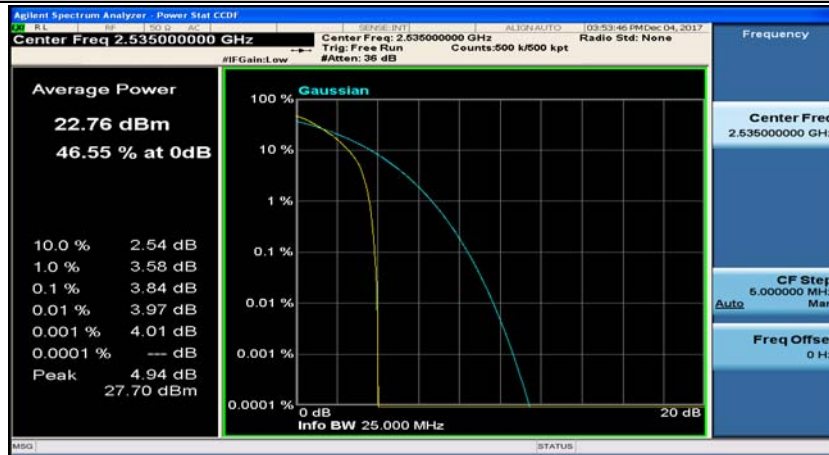
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



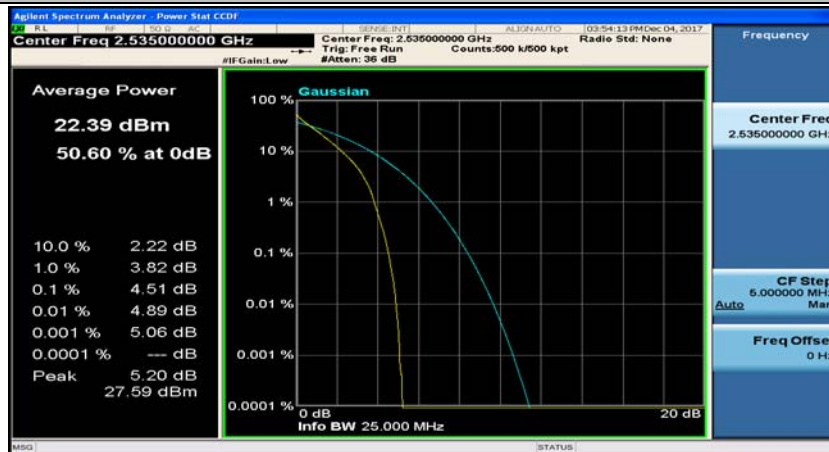
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



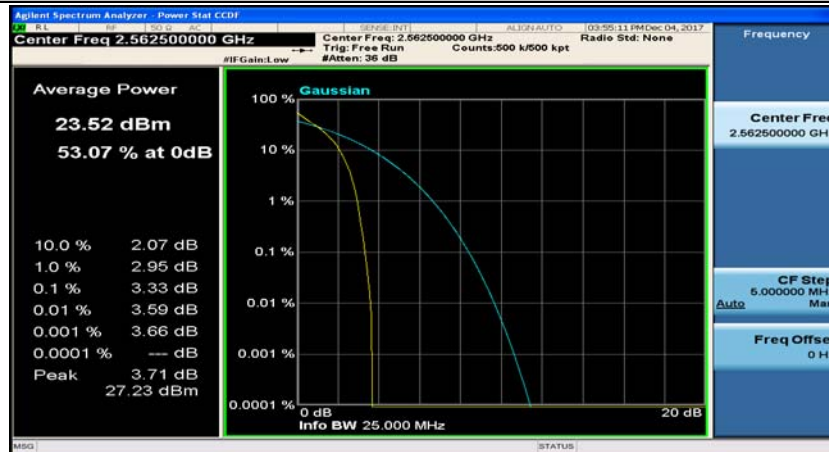
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



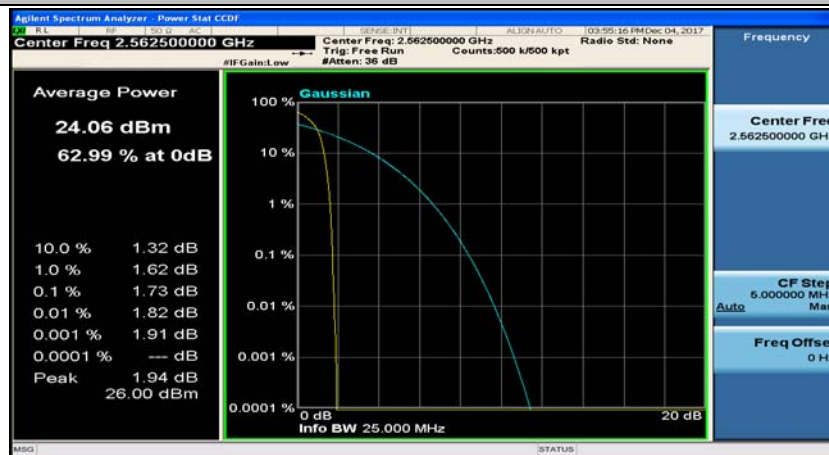
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



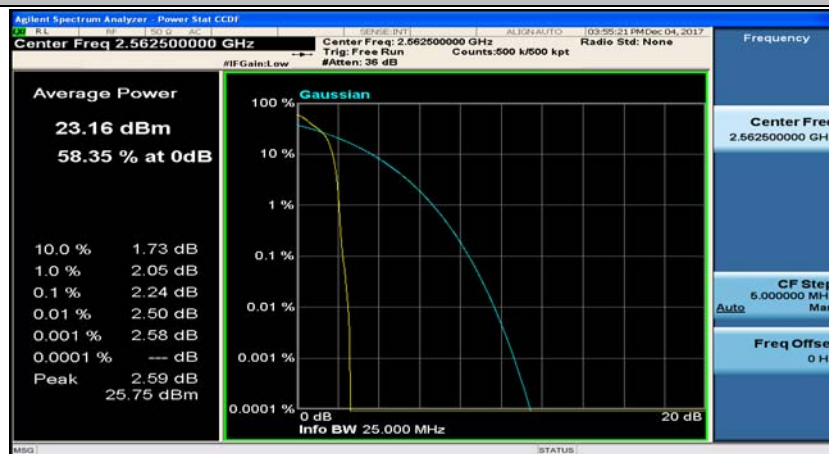
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



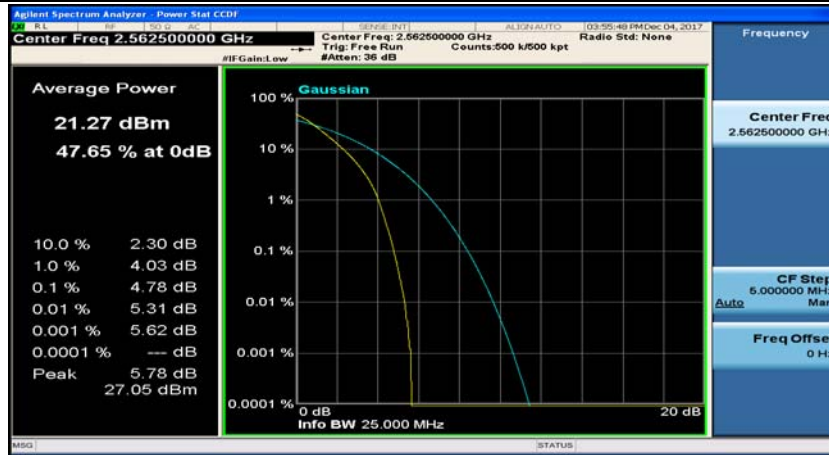
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



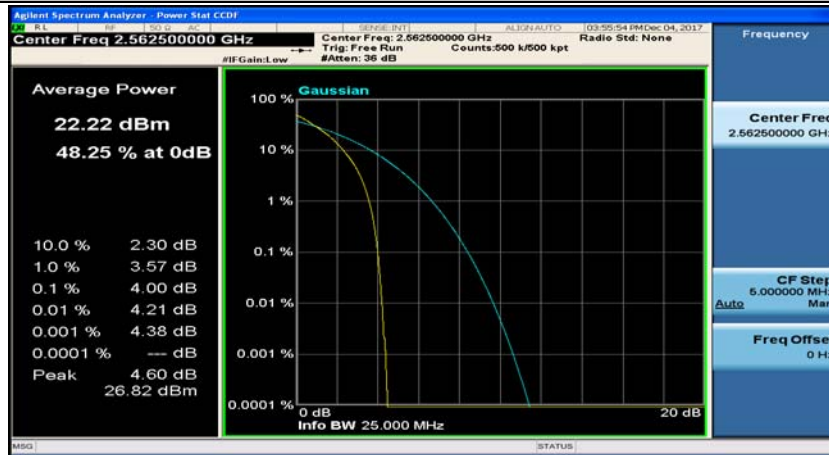
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



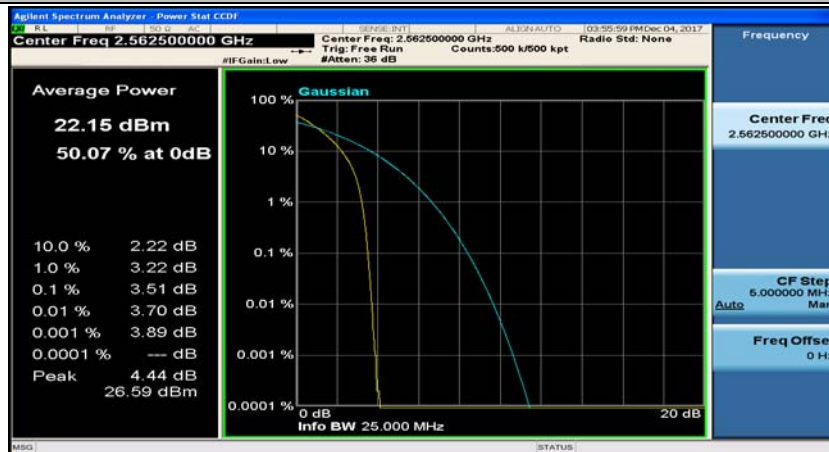
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



(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



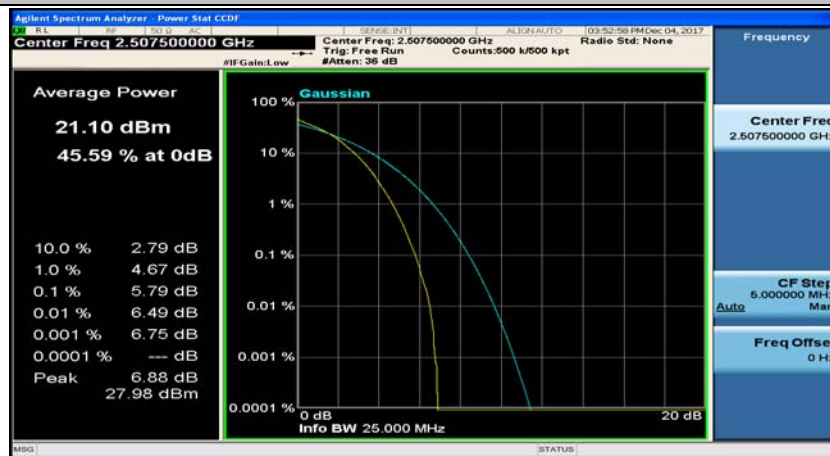
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



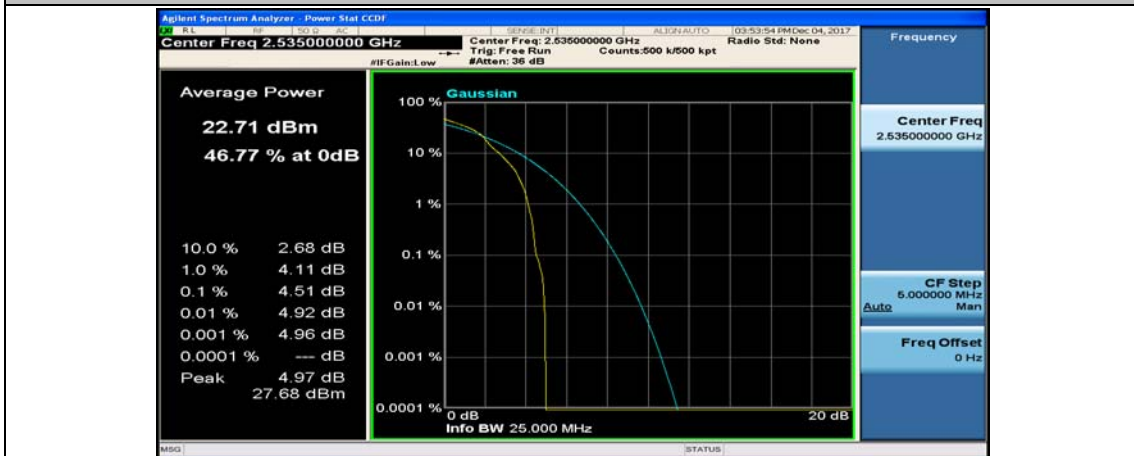
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



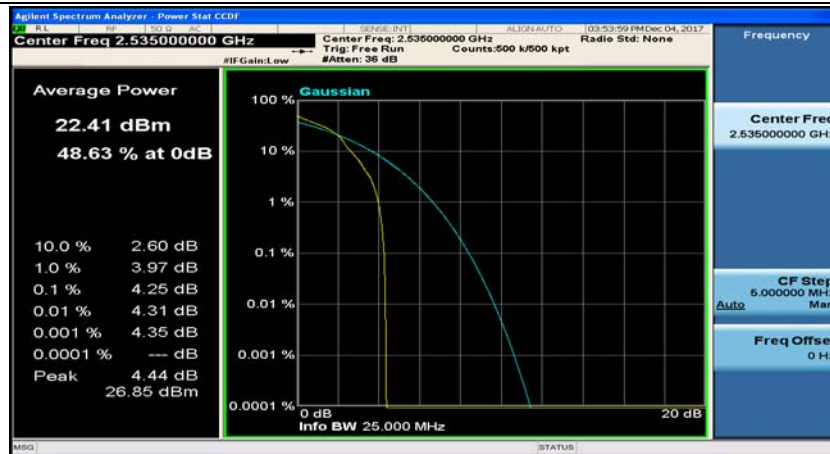
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



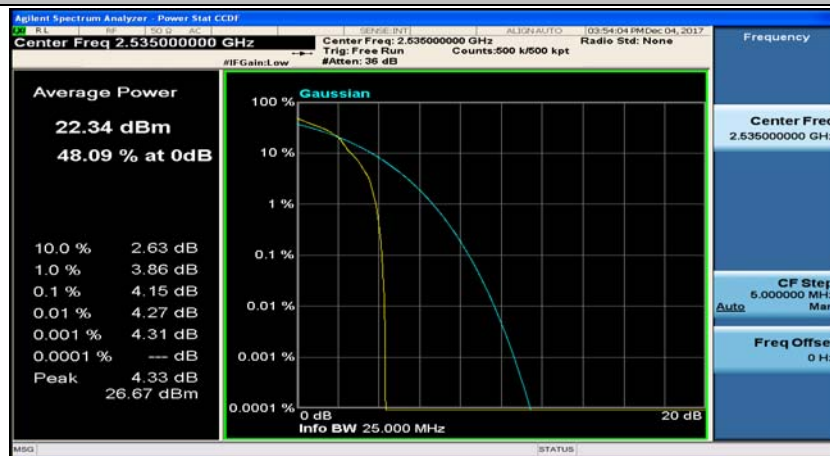
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



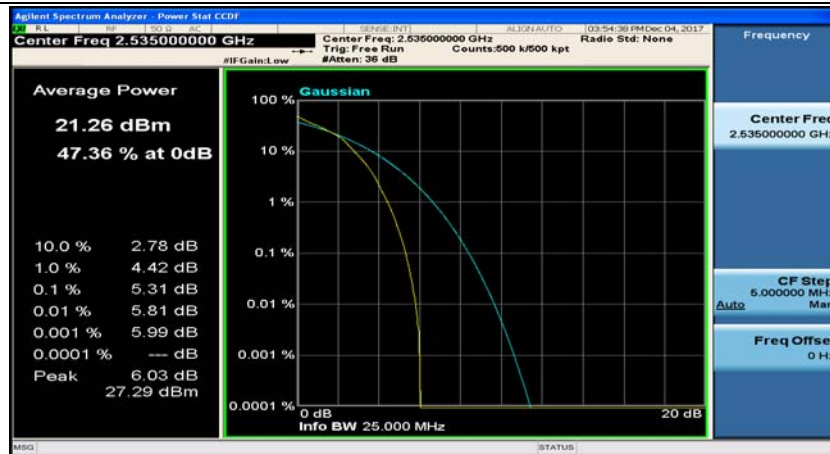
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



(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

