

Appendix for Band 7

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	23.44	PASS
		1	12	23.49	PASS
		1	24	23.39	PASS
		12	0	21.98	PASS
		12	6	21.58	PASS
		12	13	21.78	PASS
		25	0	21.87	PASS
	MCH	1	0	22.93	PASS
		1	12	23.05	PASS
		1	24	23.03	PASS
		12	0	22.03	PASS
		12	6	22.04	PASS
		12	13	22.1	PASS
		25	0	22.02	PASS
	HCH	1	0	23.65	PASS
		1	12	23.62	PASS
		1	24	23.33	PASS
		12	0	22.82	PASS
		12	6	22.94	PASS
		12	13	22.99	PASS
		25	0	22.92	PASS
16QAM	LCH	1	0	21.67	PASS
		1	12	21.8	PASS
		1	24	21.65	PASS
		12	0	20.51	PASS
		12	6	20.53	PASS
		12	13	20.52	PASS
		25	0	20.98	PASS
	MCH	1	0	22.19	PASS
		1	12	22.31	PASS
		1	24	22.28	PASS
		12	0	21.11	PASS

		12	6	21.12	PASS
		12	13	21.16	PASS
		25	0	21.01	PASS
	HCH	1	0	23	PASS
		1	12	23.04	PASS
		1	24	22.97	PASS
		12	0	21.81	PASS
		12	6	21.93	PASS
		12	13	21.9	PASS
		25	0	21.91	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.34	PASS
		1	24	23.35	PASS
		1	49	23.36	PASS
		25	0	22.48	PASS
		25	12	22.46	PASS
		25	25	22.45	PASS
		50	0	22.46	PASS
	MCH	1	0	22.81	PASS
		1	24	22.94	PASS
		1	49	23.04	PASS
		25	0	21.98	PASS
		25	12	22.02	PASS
		25	25	22.11	PASS
		50	0	22.06	PASS
	HCH	1	0	22.77	PASS
		1	24	23.23	PASS
		1	49	23.91	PASS
		25	0	22.05	PASS
		25	12	22.47	PASS
		25	25	22.93	PASS
		50	0	22.5	PASS
16QAM	LCH	1	0	21.62	PASS
		1	24	21.62	PASS
		1	49	21.56	PASS
		25	0	21.48	PASS
		25	12	21.47	PASS
		25	25	21.44	PASS
		50	0	21.46	PASS

	MCH	1	0	22.17	PASS
		1	24	22.31	PASS
		1	49	22.42	PASS
		25	0	21	PASS
		25	12	21.04	PASS
		25	25	21.13	PASS
		50	0	21.08	PASS
	HCH	1	0	21.96	PASS
		1	24	22.56	PASS
		1	49	22.92	PASS
		25	0	21.26	PASS
		25	12	21.52	PASS
		25	25	21.93	PASS
		50	0	21.59	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.34	PASS
		1	37	23.44	PASS
		1	74	23.05	PASS
		37	0	21.98	PASS
		37	18	21.78	PASS
		37	38	21.64	PASS
		75	0	21.62	PASS
	MCH	1	0	22.82	PASS
		1	37	23.02	PASS
		1	74	23.17	PASS
		37	0	22.03	PASS
		37	18	22.09	PASS
		37	38	22.22	PASS
		75	0	22.16	PASS
	HCH	1	0	22.91	PASS
		1	37	22.78	PASS
		1	74	24.02	PASS
		37	0	21.95	PASS
		37	18	22.04	PASS
		37	38	22.63	PASS
		75	0	22.29	PASS
16QAM	LCH	1	0	21.64	PASS
		1	37	21.65	PASS
		1	74	21.52	PASS

		37	0	21.48	PASS
		37	18	21.43	PASS
		37	38	20.5	PASS
		75	0	20.53	PASS
	MCH	1	0	22	PASS
		1	37	22.27	PASS
		1	74	22.36	PASS
		37	0	20.99	PASS
		37	18	21.1	PASS
		37	38	21.21	PASS
		75	0	21.11	PASS
	HCH	1	0	22.16	PASS
		1	37	22.06	PASS
		1	74	22.96	PASS
		37	0	21.17	PASS
		37	18	21.27	PASS
		37	38	21.7	PASS
		75	0	21.36	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.53	PASS
		1	49	23.99	PASS
		1	99	23.76	PASS
		50	0	22.95	PASS
		50	25	22.49	PASS
		50	50	22.43	PASS
		100	0	22.87	PASS
	MCH	1	0	23.77	PASS
		1	49	24.07	PASS
		1	99	23.39	PASS
		50	0	22.96	PASS
		50	25	22.09	PASS
		50	50	22.23	PASS
		100	0	23.08	PASS
	HCH	1	0	23.56	PASS
		1	49	23.55	PASS
		1	99	24.33	PASS
		50	0	23.26	PASS
		50	25	22.95	PASS
		50	50	22.38	PASS

		100	0	23.13	PASS
16QAM	LCH	1	0	21.68	PASS
		1	49	21.59	PASS
		1	99	21.95	PASS
		50	0	21.49	PASS
		50	25	21.44	PASS
		50	50	21.46	PASS
		100	0	21.46	PASS
	MCH	1	0	22.09	PASS
		1	49	22.39	PASS
		1	99	22.62	PASS
		50	0	21.01	PASS
		50	25	21.12	PASS
		50	50	21.24	PASS
		100	0	21.07	PASS
	HCH	1	0	22.64	PASS
		1	49	21.98	PASS
		1	99	22.99	PASS
		50	0	21.49	PASS
		50	25	21.19	PASS
		50	50	21.5	PASS
		100	0	21.41	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	3.79	<13	PASS
		1	12	3.75	<13	PASS
		1	24	3.7	<13	PASS
		12	0	4.75	<13	PASS
		12	6	4.74	<13	PASS
		12	13	4.68	<13	PASS
		25	0	4.88	<13	PASS
	MCH	1	0	3.98	<13	PASS
		1	12	3.92	<13	PASS
		1	24	3.95	<13	PASS
		12	0	4.9	<13	PASS
		12	6	4.91	<13	PASS
		12	13	4.9	<13	PASS
		25	0	5.12	<13	PASS
	HCH	1	0	3.16	<13	PASS
		1	12	3.29	<13	PASS
		1	24	2.69	<13	PASS
		12	0	4.18	<13	PASS
		12	6	4.16	<13	PASS
		12	13	4.07	<13	PASS
		25	0	4.2	<13	PASS
16QAM	LCH	1	0	4.6	<13	PASS
		1	12	4.63	<13	PASS
		1	24	4.56	<13	PASS
		12	0	5.58	<13	PASS
		12	6	5.62	<13	PASS
		12	13	5.56	<13	PASS
		25	0	5.7	<13	PASS
	MCH	1	0	4.91	<13	PASS
		1	12	4.94	<13	PASS
		1	24	4.91	<13	PASS
		12	0	5.71	<13	PASS

		12	6	5.69	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.91	<13	PASS
	HCH	1	0	3.87	<13	PASS
		1	12	3.71	<13	PASS
		1	24	3.78	<13	PASS
		12	0	5.04	<13	PASS
		12	6	4.93	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.06	<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	3.5	<13	PASS
		1	24	3.37	<13	PASS
		1	49	2.99	<13	PASS
		25	0	4.79	<13	PASS
		25	12	4.62	<13	PASS
		25	25	4.36	<13	PASS
		50	0	4.69	<13	PASS
	MCH	1	0	3.58	<13	PASS
		1	24	3.72	<13	PASS
		1	49	3.62	<13	PASS
		25	0	5.06	<13	PASS
		25	12	5.13	<13	PASS
		25	25	5.03	<13	PASS
		50	0	5.18	<13	PASS
	HCH	1	0	3.53	<13	PASS
		1	24	3.33	<13	PASS
		1	49	2.84	<13	PASS
		25	0	4.61	<13	PASS
		25	12	4.47	<13	PASS
		25	25	4.2	<13	PASS
		50	0	4.54	<13	PASS
16QAM	LCH	1	0	4.49	<13	PASS
		1	24	4.35	<13	PASS
		1	49	4.02	<13	PASS
		25	0	5.69	<13	PASS
		25	12	5.52	<13	PASS

		25	25	5.28	<13	PASS
		50	0	5.55	<13	PASS
	MCH	1	0	4.7	<13	PASS
		1	24	4.8	<13	PASS
		1	49	4.77	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.9	<13	PASS
		50	0	5.96	<13	PASS
		50	0	5.96	<13	PASS
	HCH	1	0	4.65	<13	PASS
		1	24	4.26	<13	PASS
		1	49	3.88	<13	PASS
		25	0	5.39	<13	PASS
		25	12	5.33	<13	PASS
		25	25	5.09	<13	PASS
		50	0	5.36	<13	PASS
		50	0	5.36	<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	3.51	<13	PASS
		1	37	3.1	<13	PASS
		1	74	3.02	<13	PASS
		37	0	4.62	<13	PASS
		37	18	4.32	<13	PASS
		37	38	3.94	<13	PASS
		75	0	4.67	<13	PASS
		75	0	4.67	<13	PASS
	MCH	1	0	3.39	<13	PASS
		1	37	3.82	<13	PASS
		1	74	3.42	<13	PASS
		37	0	4.97	<13	PASS
		37	18	5.07	<13	PASS
		37	38	5	<13	PASS
		75	0	5.32	<13	PASS
		75	0	5.32	<13	PASS
	HCH	1	0	3.27	<13	PASS
		1	37	3.56	<13	PASS
		1	74	2.69	<13	PASS
		37	0	4.58	<13	PASS
		37	18	4.66	<13	PASS
		37	38	4.48	<13	PASS
		37	38	4.48	<13	PASS
		37	38	4.48	<13	PASS

		75	0	4.9	<13	PASS
16QAM	LCH	1	0	4.55	<13	PASS
		1	37	4.09	<13	PASS
		1	74	3.92	<13	PASS
		37	0	5.59	<13	PASS
		37	18	5.31	<13	PASS
		37	38	4.95	<13	PASS
		75	0	5.49	<13	PASS
	MCH	1	0	4.6	<13	PASS
		1	37	4.79	<13	PASS
		1	74	4.64	<13	PASS
		37	0	5.83	<13	PASS
		37	18	5.92	<13	PASS
		37	38	5.91	<13	PASS
		75	0	5.99	<13	PASS
	HCH	1	0	4.26	<13	PASS
		1	37	4.65	<13	PASS
		1	74	3.97	<13	PASS
		37	0	5.28	<13	PASS
		37	18	5.35	<13	PASS
		37	38	5.26	<13	PASS
		75	0	5.62	<13	PASS

Channel Bandwidth: 20 MHz

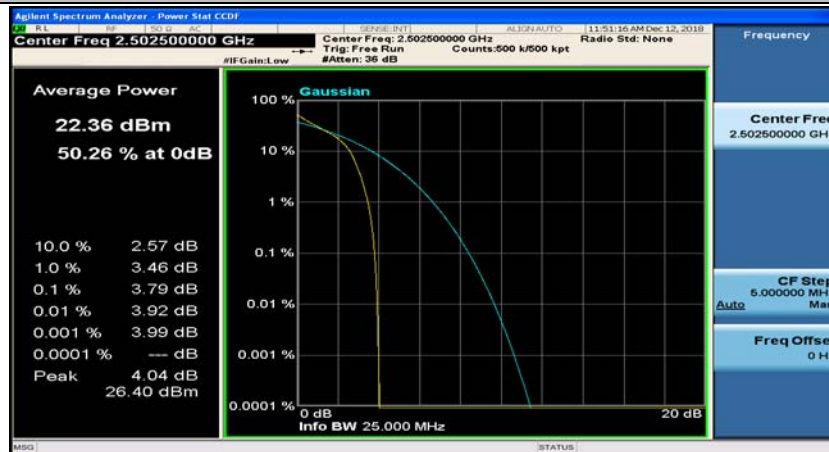
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.54	<13	PASS
		1	49	2.94	<13	PASS
		1	99	3.48	<13	PASS
		50	0	4.58	<13	PASS
		50	25	4.24	<13	PASS
		50	50	4.16	<13	PASS
		100	0	4.85	<13	PASS
	MCH	1	0	3.34	<13	PASS
		1	49	3.78	<13	PASS
		1	99	3.15	<13	PASS
		50	0	4.98	<13	PASS
		50	25	5.15	<13	PASS
		50	50	5.02	<13	PASS
		100	0	5.24	<13	PASS

	HCH	1	0	2.56	<13	PASS
		1	49	3.61	<13	PASS
		1	99	2.86	<13	PASS
		50	0	4.36	<13	PASS
		50	25	4.7	<13	PASS
		50	50	4.69	<13	PASS
		100	0	4.9	<13	PASS
16QAM	LCH	1	0	4.32	<13	PASS
		1	49	3.85	<13	PASS
		1	99	4.44	<13	PASS
		50	0	5.49	<13	PASS
		50	25	5.12	<13	PASS
		50	50	5	<13	PASS
		100	0	5.62	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	49	4.64	<13	PASS
		1	99	4.16	<13	PASS
		50	0	5.8	<13	PASS
		50	25	5.96	<13	PASS
		50	50	5.83	<13	PASS
		100	0	6.01	<13	PASS
	HCH	1	0	3.65	<13	PASS
		1	49	4.51	<13	PASS
		1	99	3.85	<13	PASS
		50	0	5.07	<13	PASS
		50	25	5.39	<13	PASS
		50	50	5.48	<13	PASS
		100	0	5.65	<13	PASS

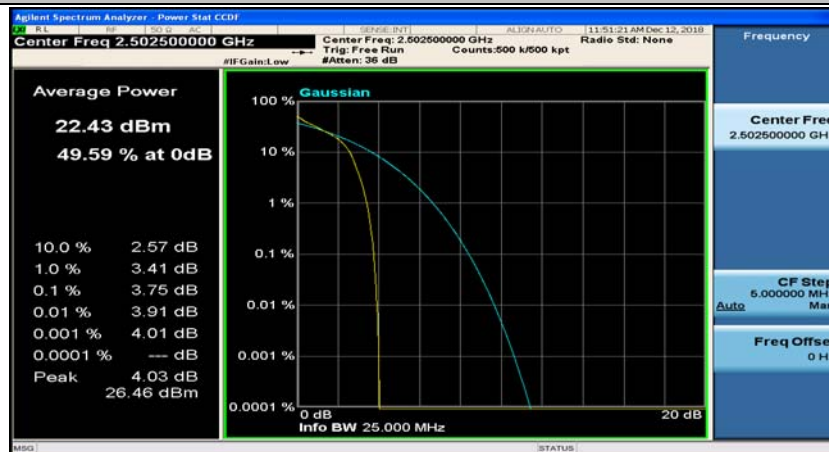
Test Graphs

Channel Bandwidth: 5 MHz

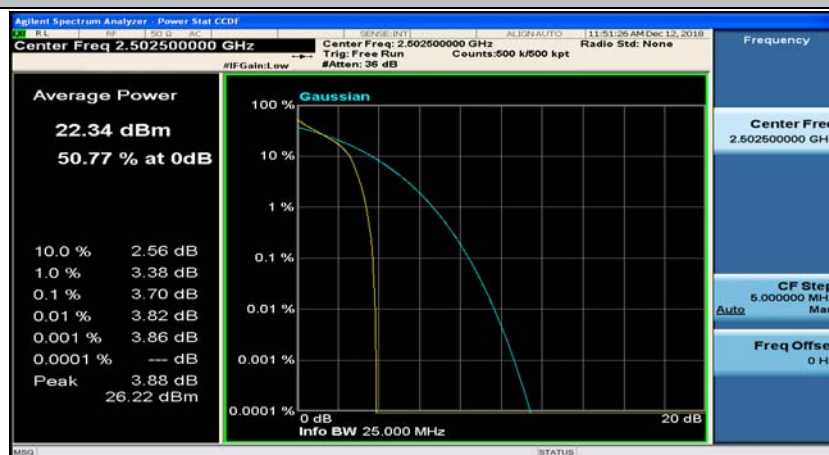
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



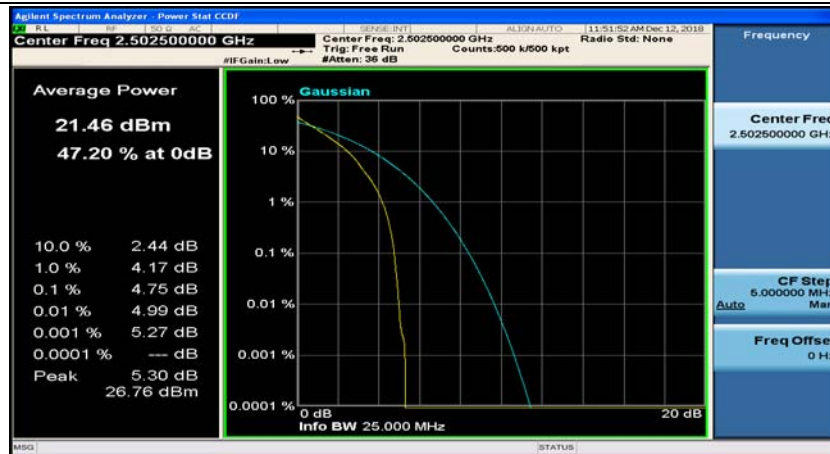
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



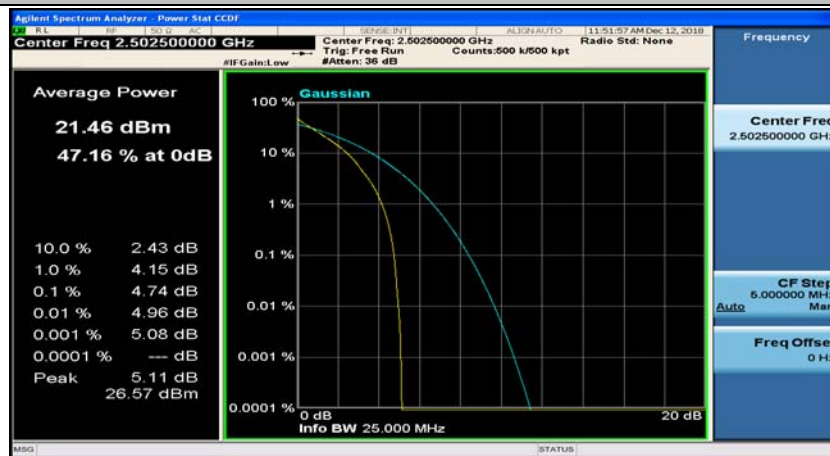
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(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



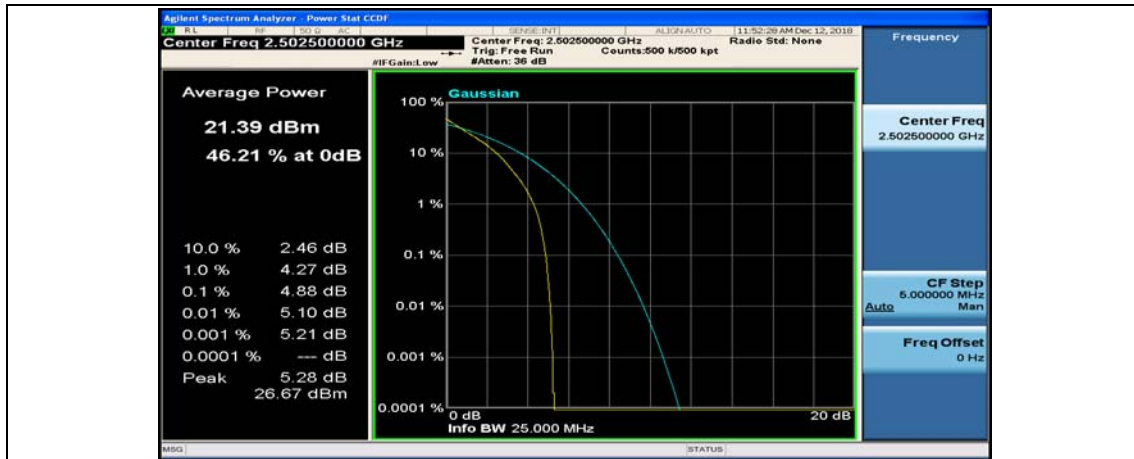
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(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



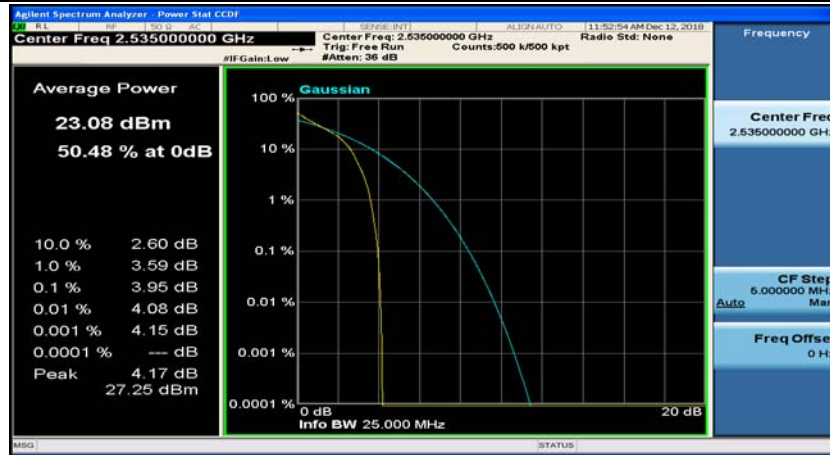
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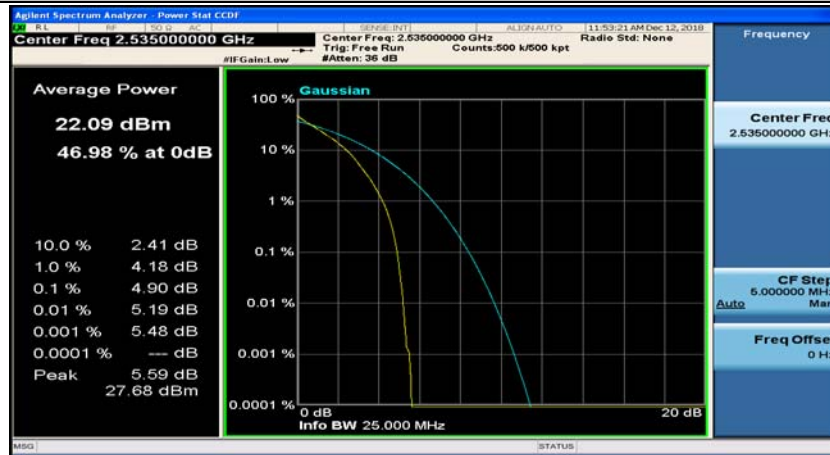
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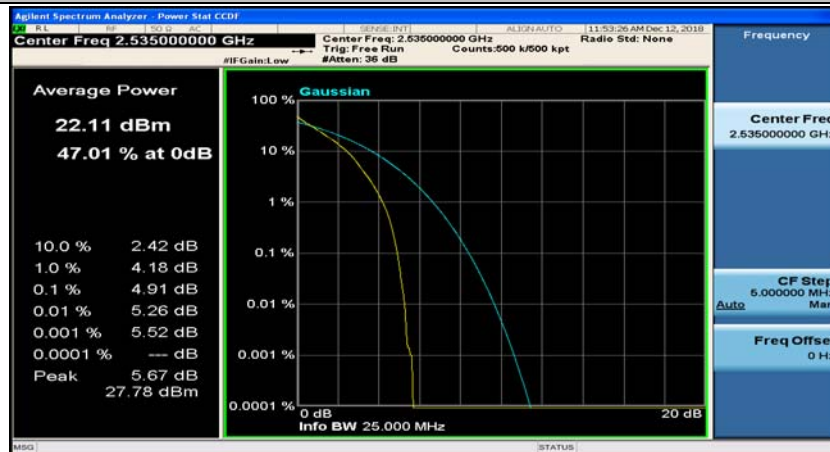
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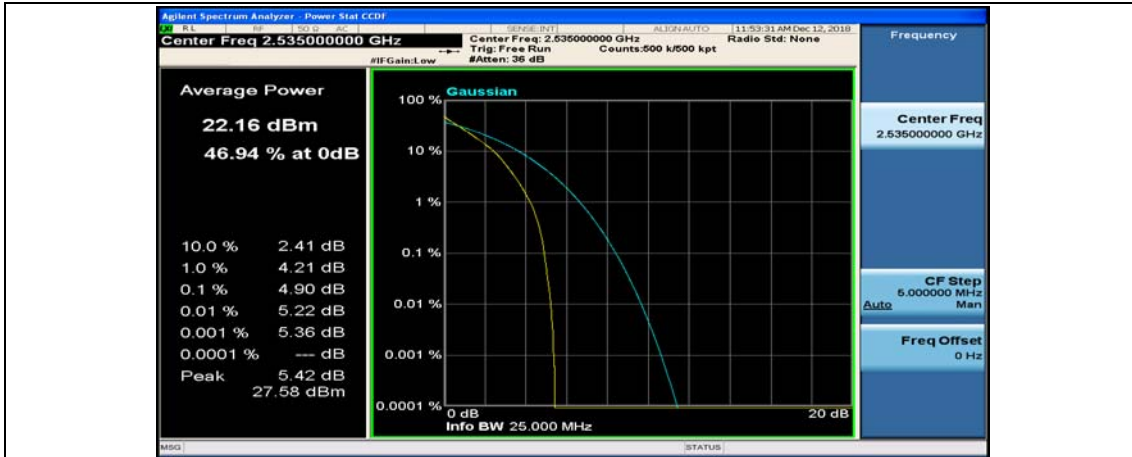
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



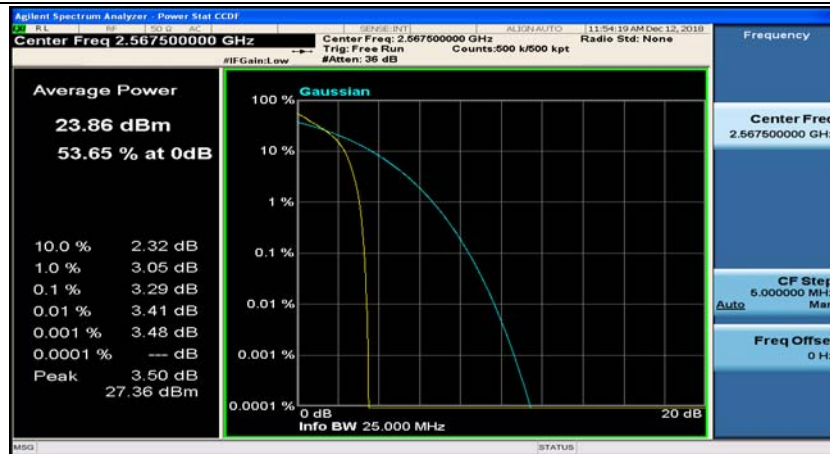
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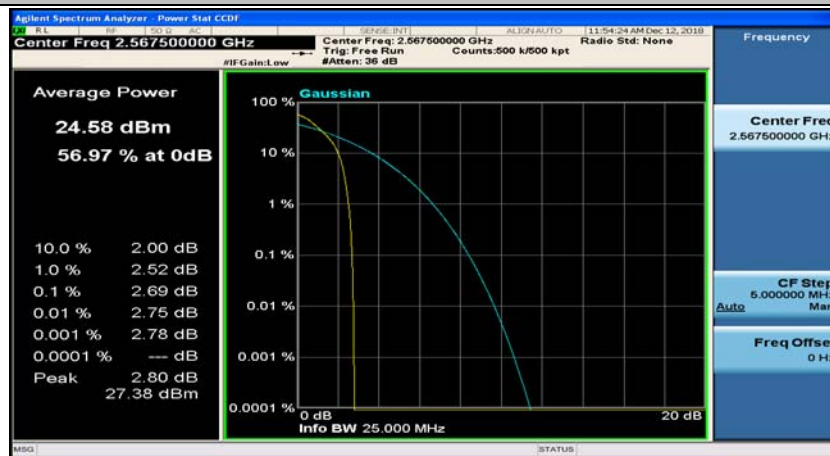
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



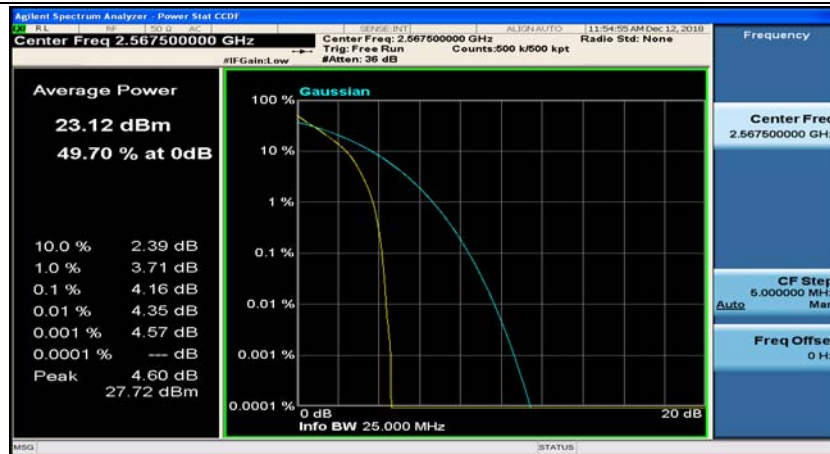
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



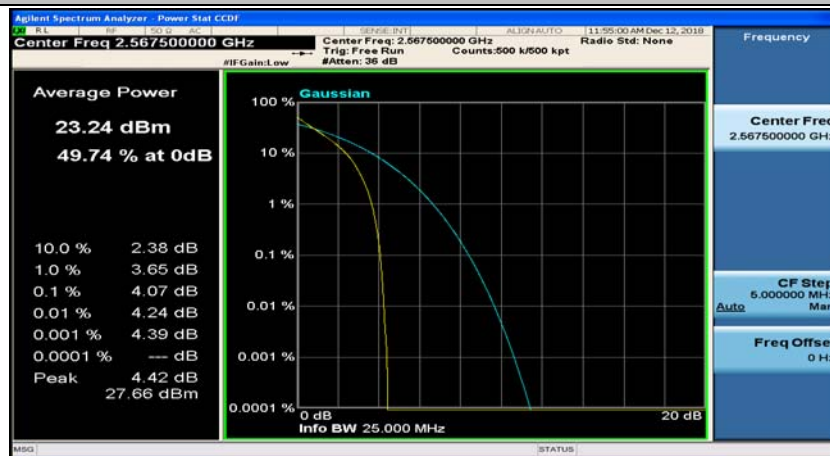
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



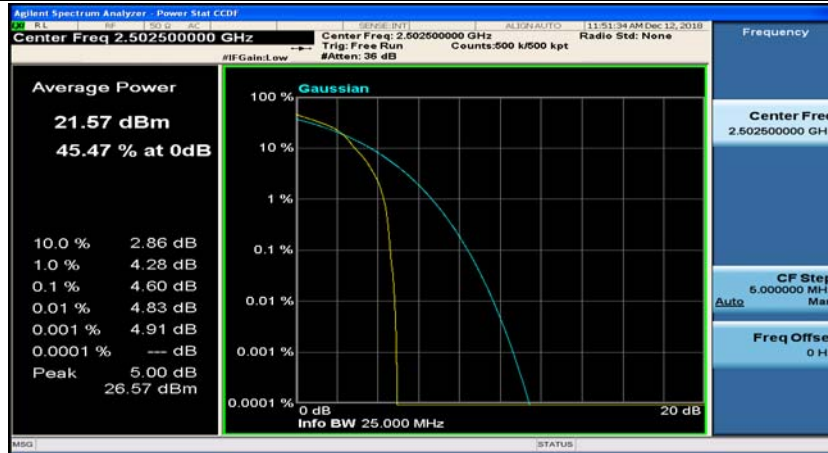
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



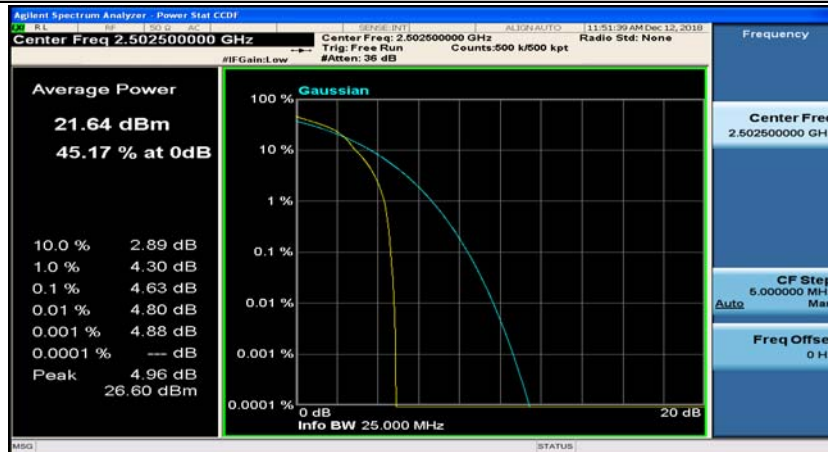
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



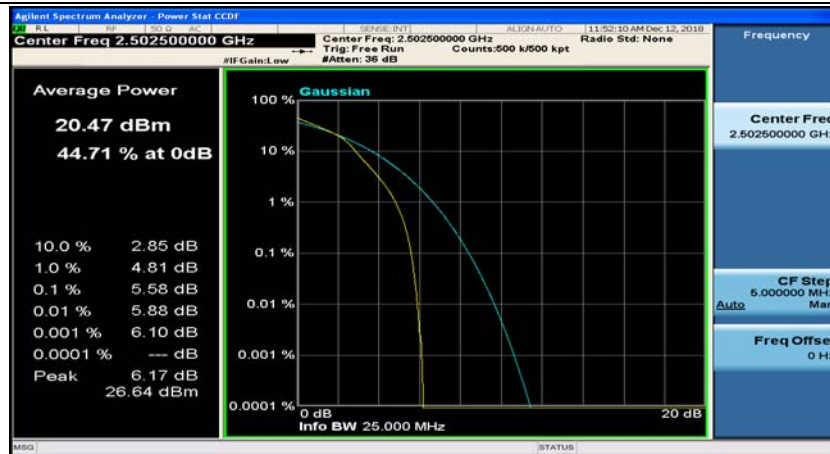
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(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



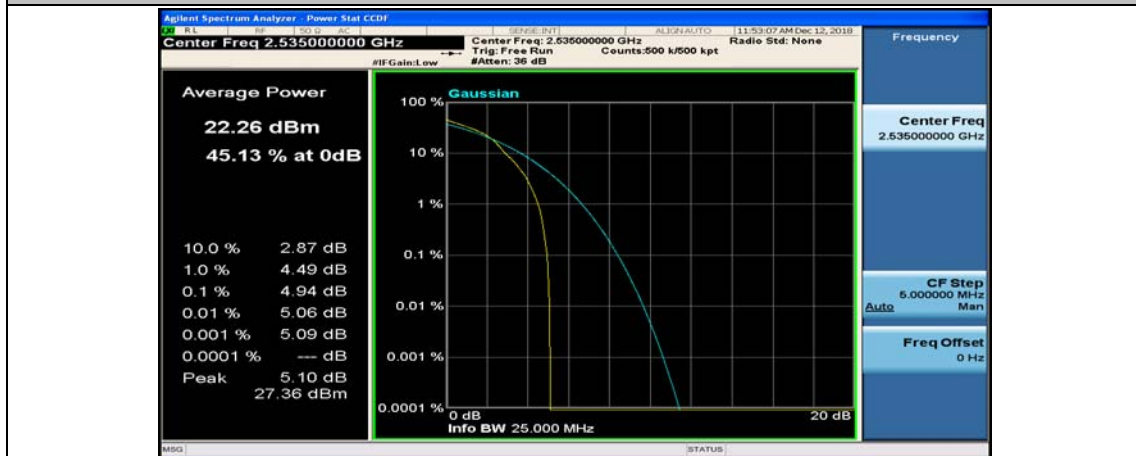
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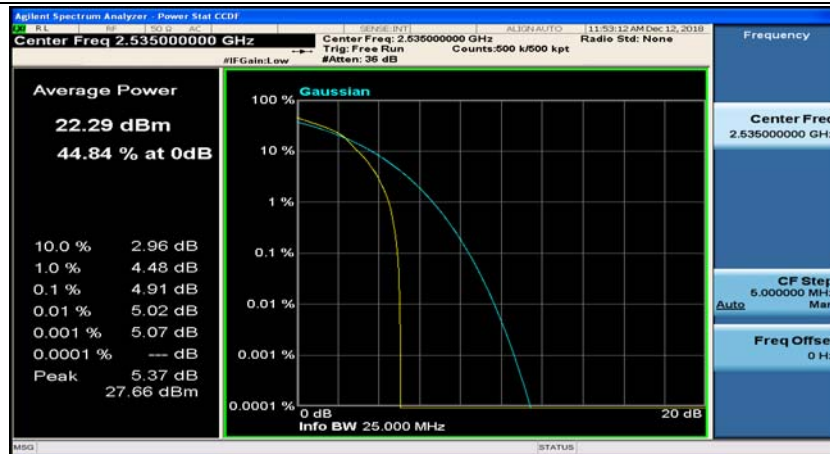
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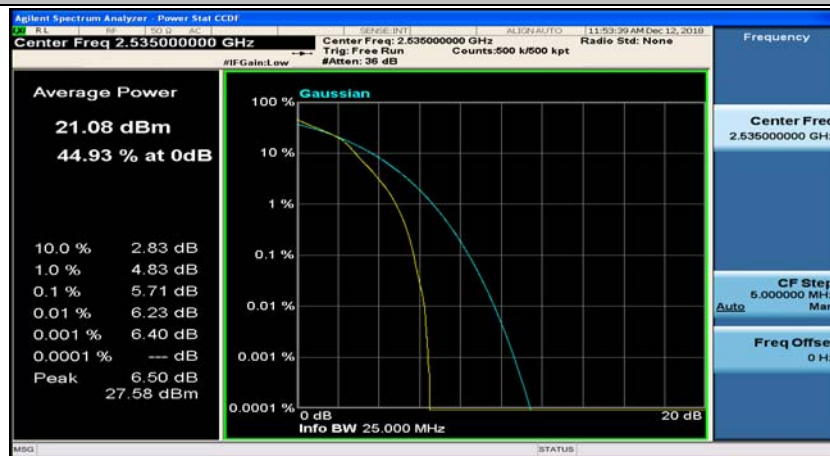
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



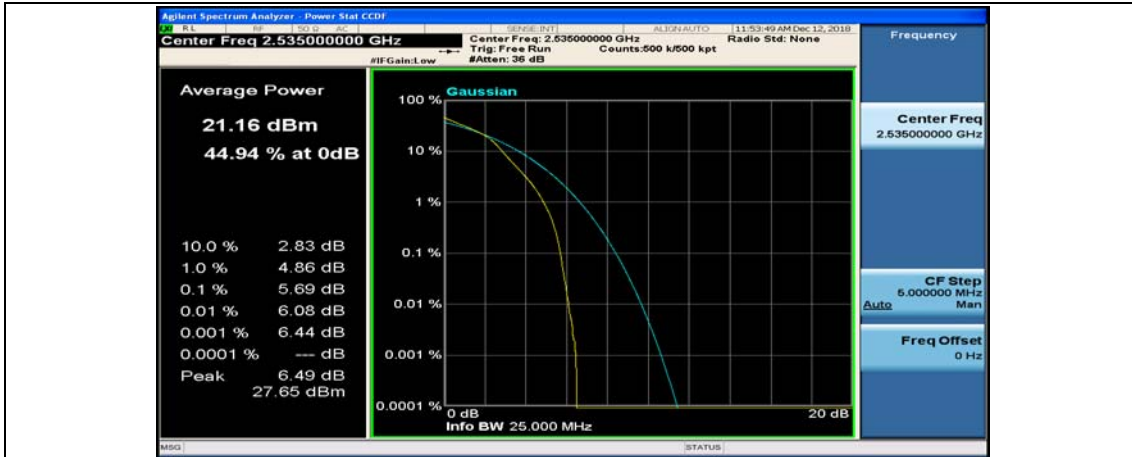
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



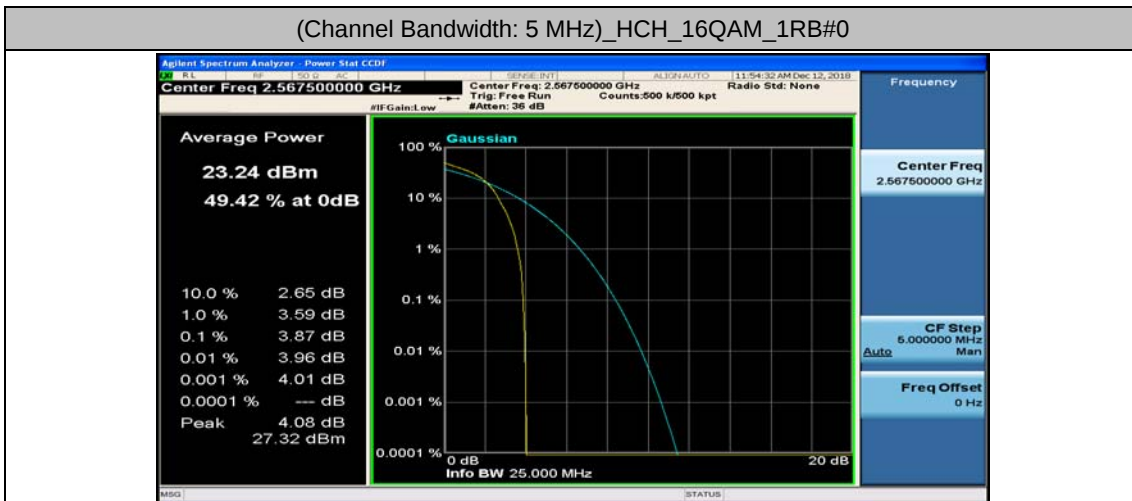
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



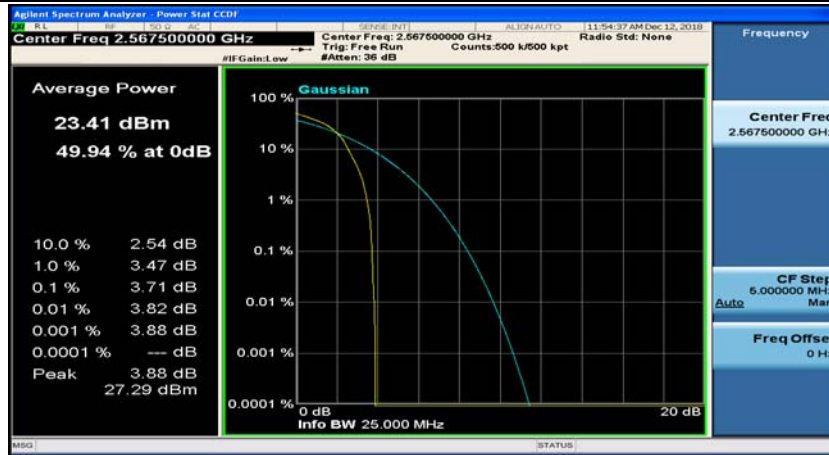
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



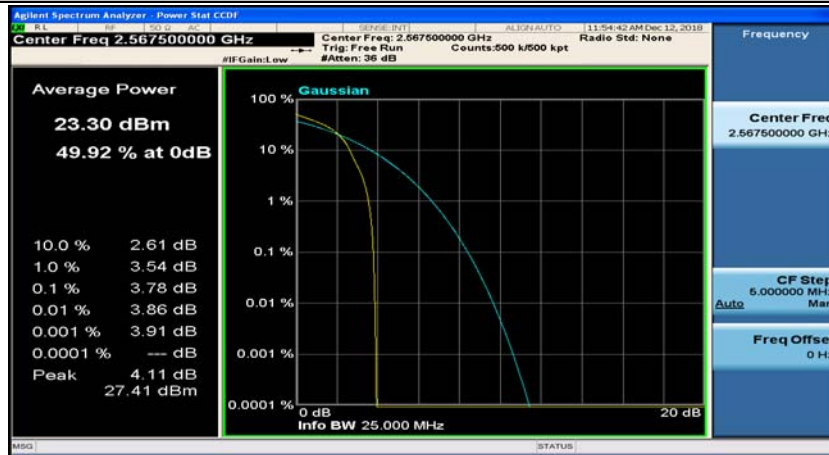
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



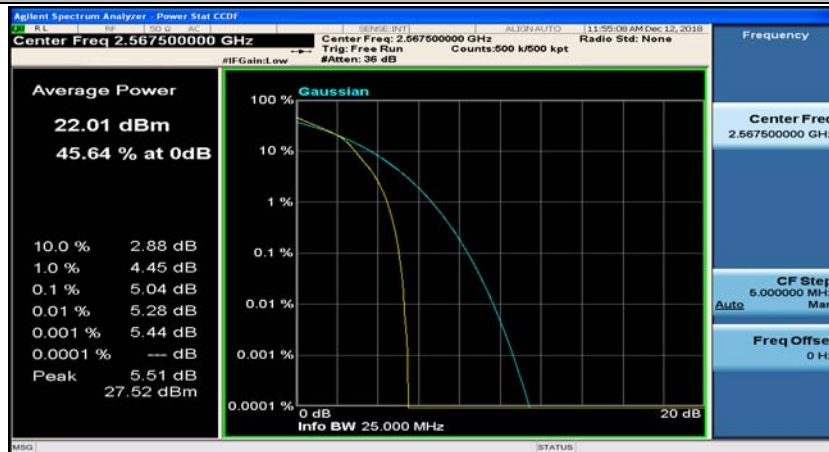
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



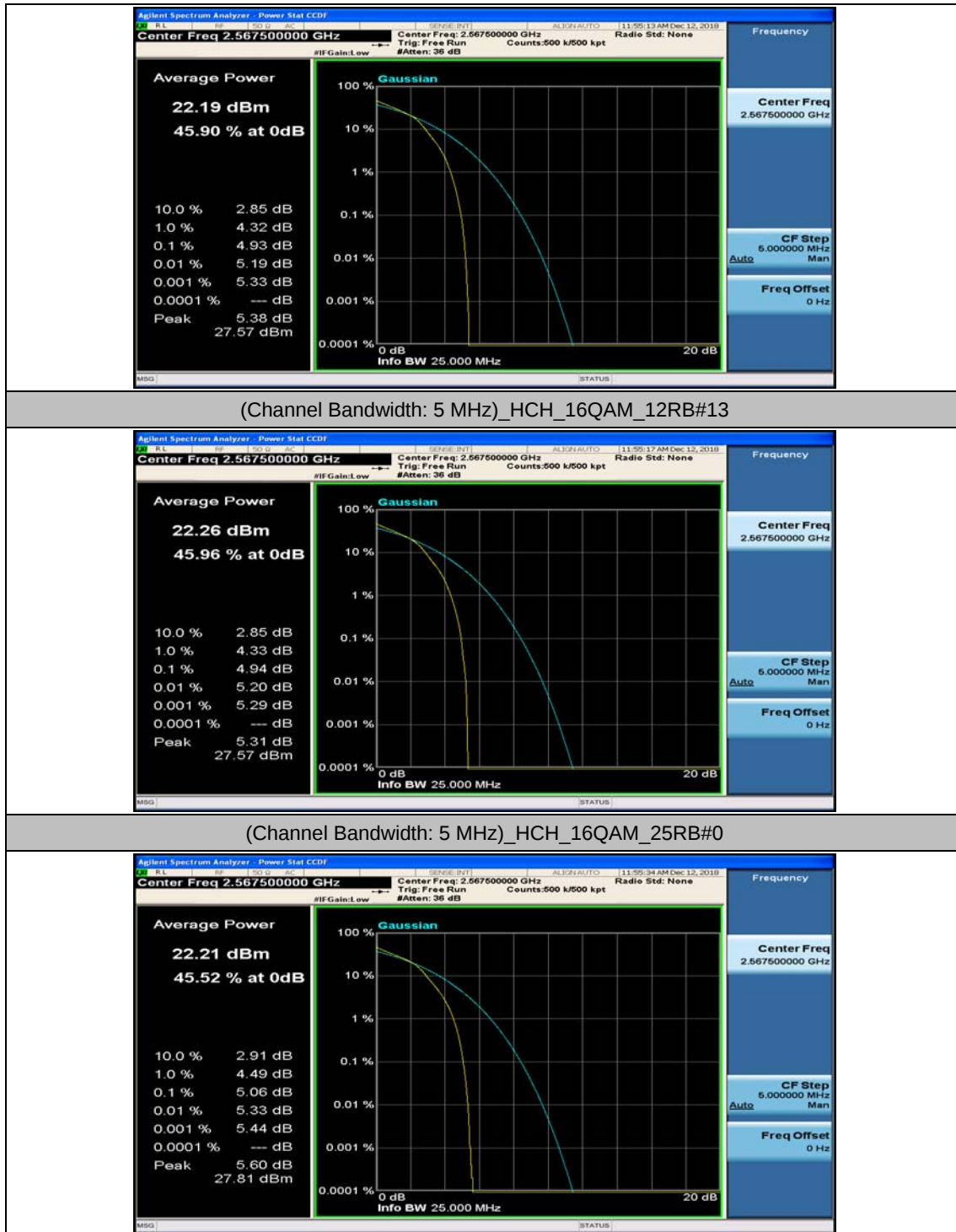
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



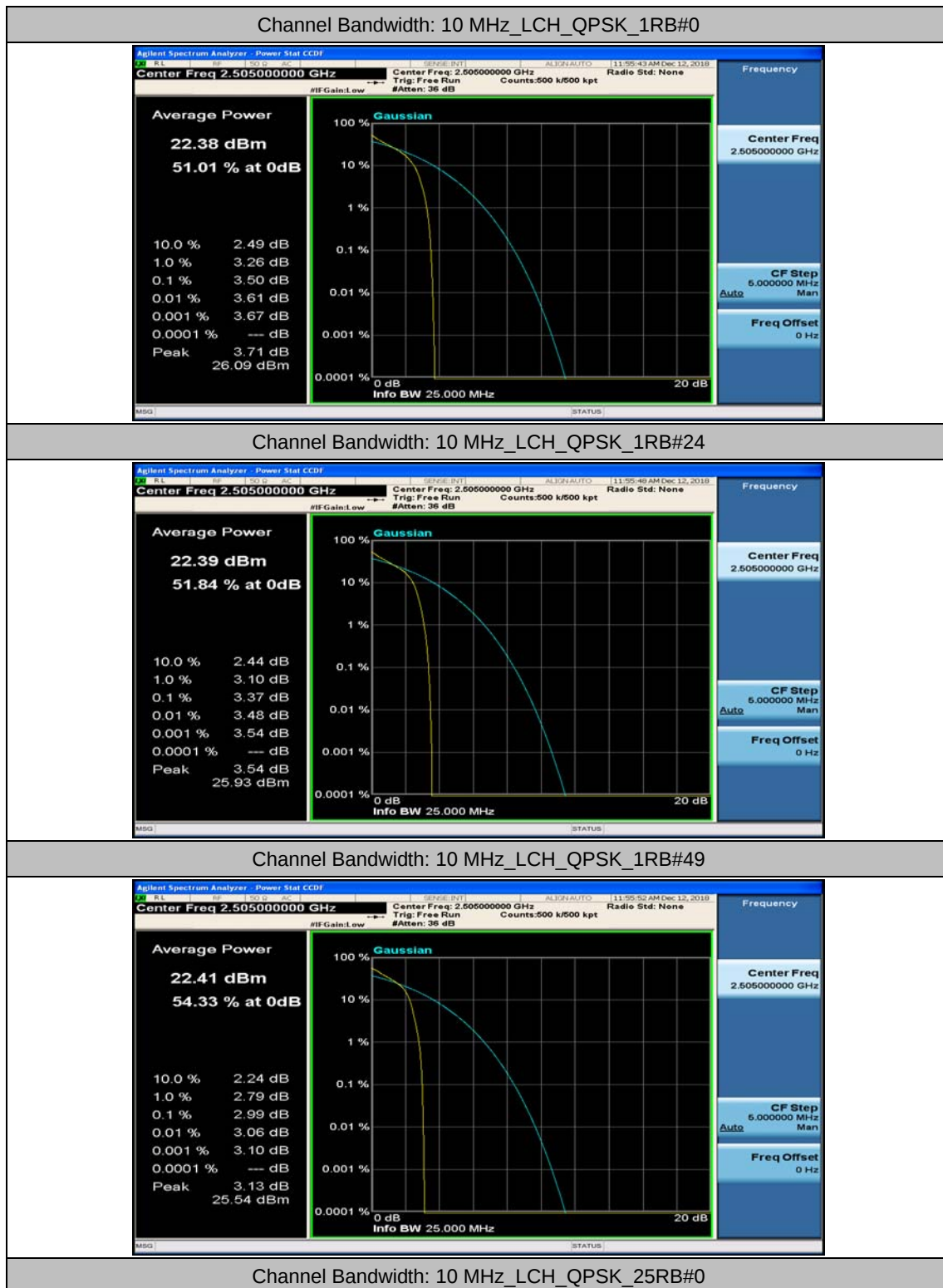
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

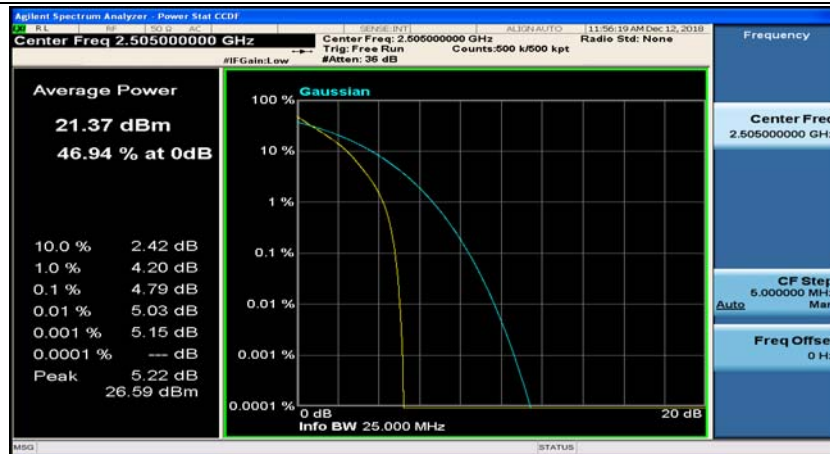


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

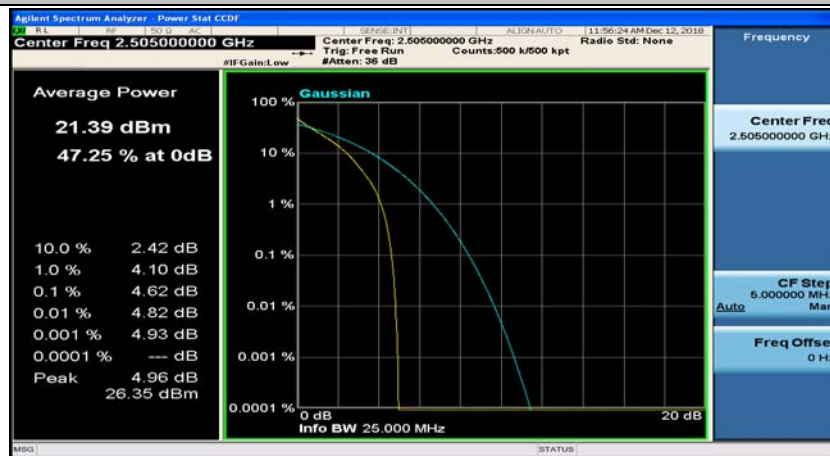


Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



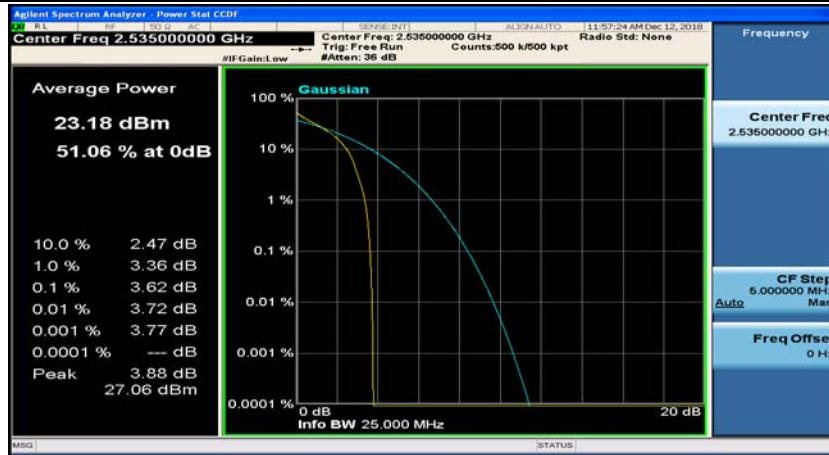
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



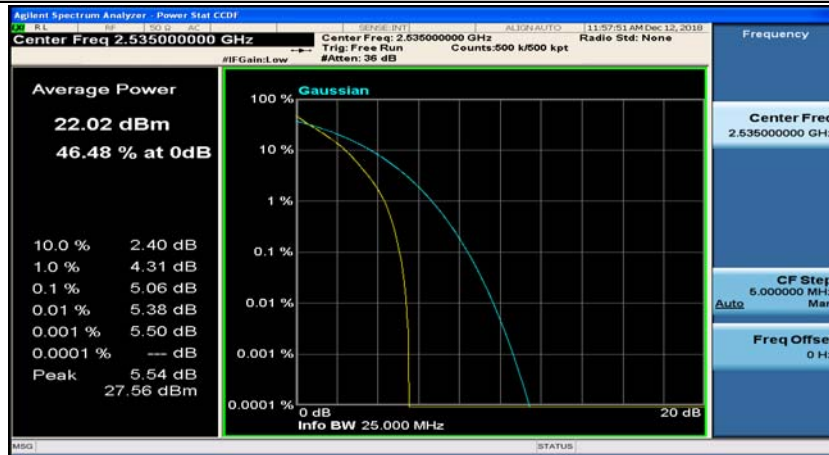
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



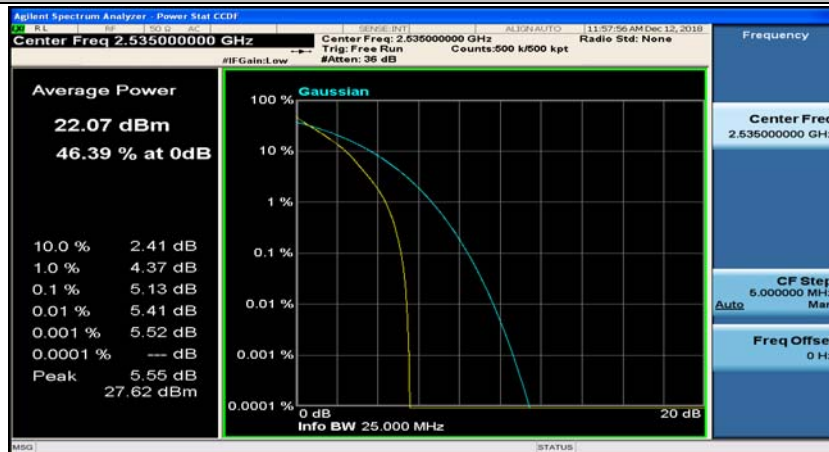
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



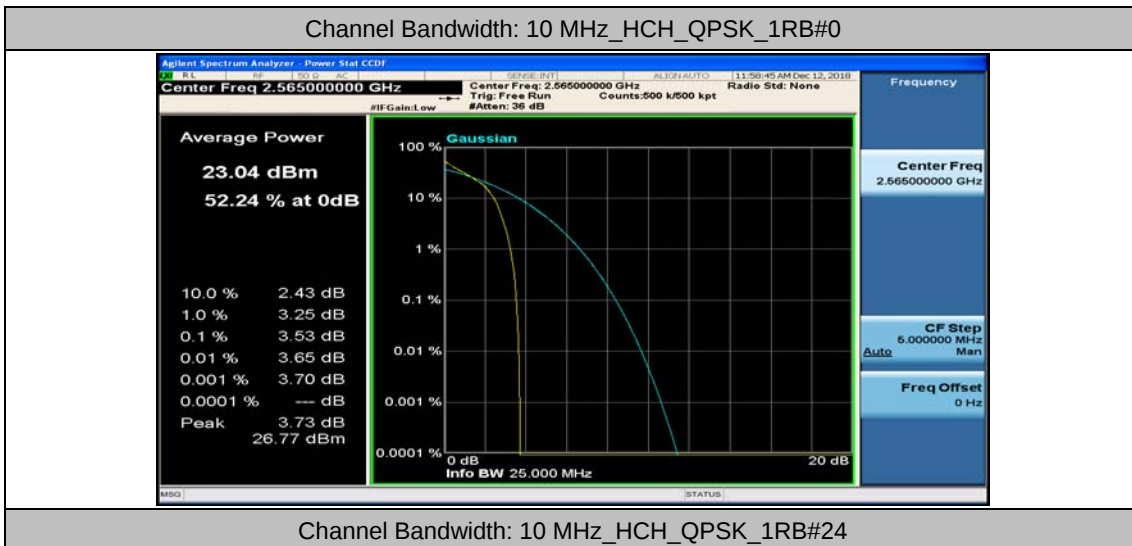
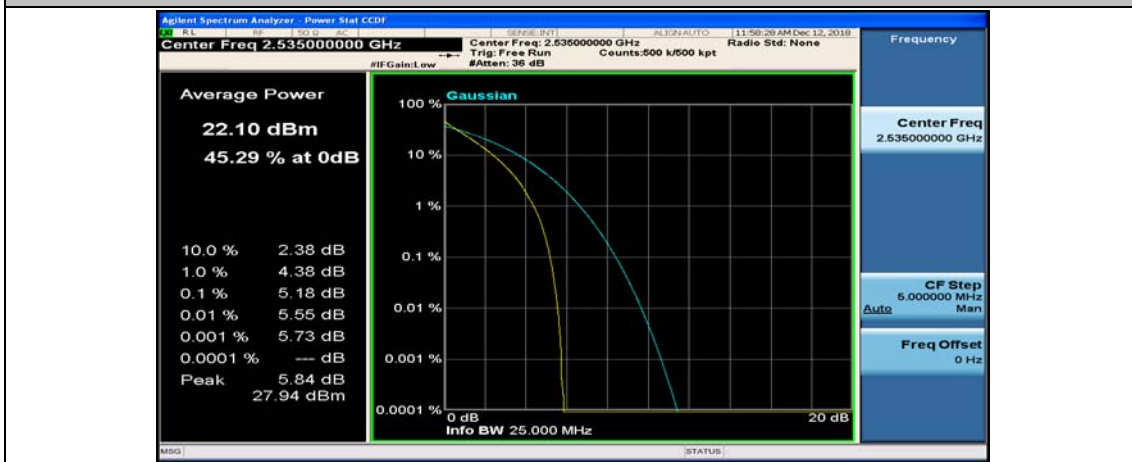
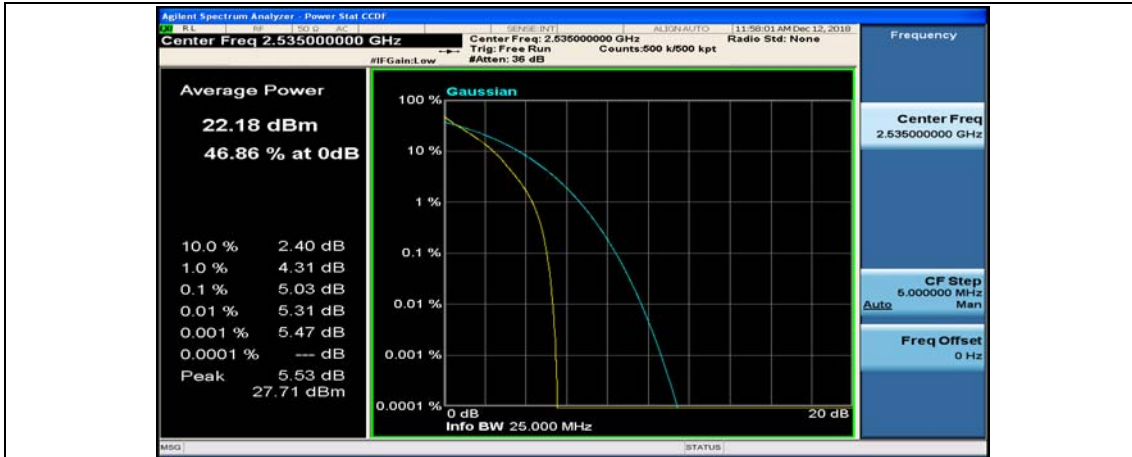
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

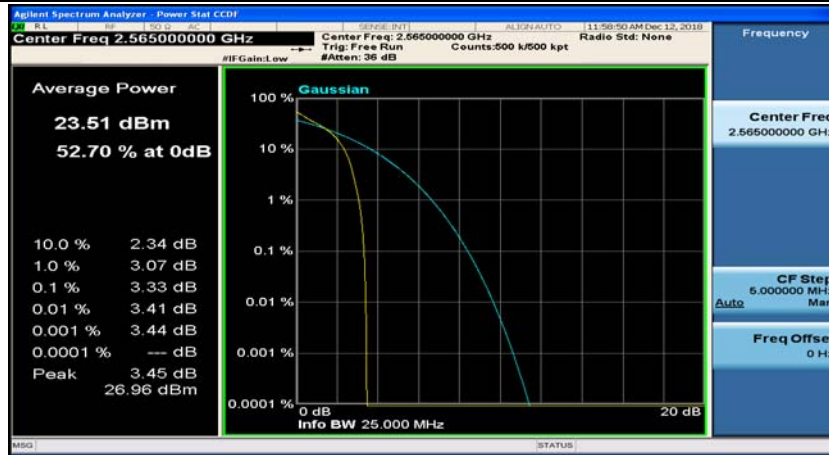


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

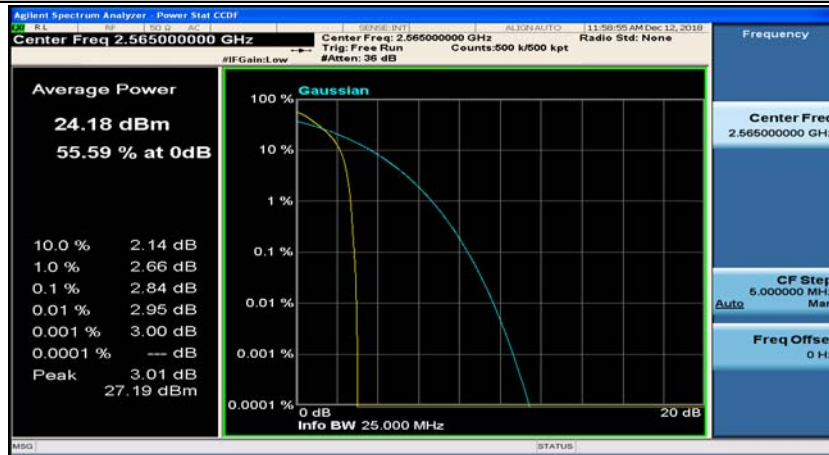


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

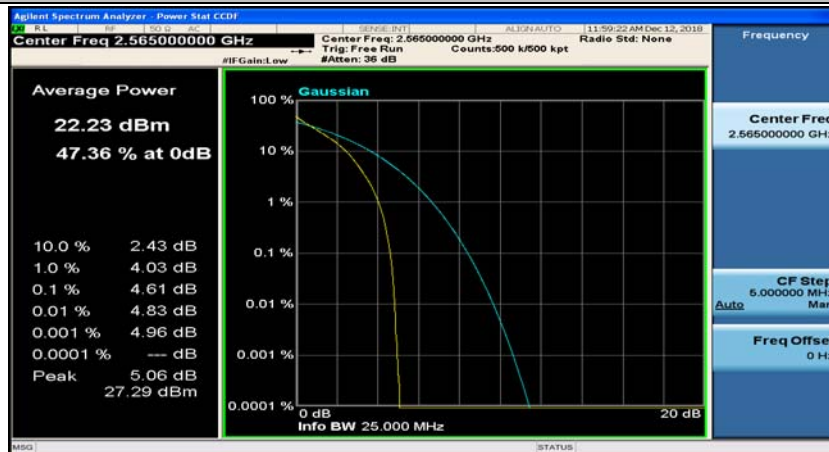




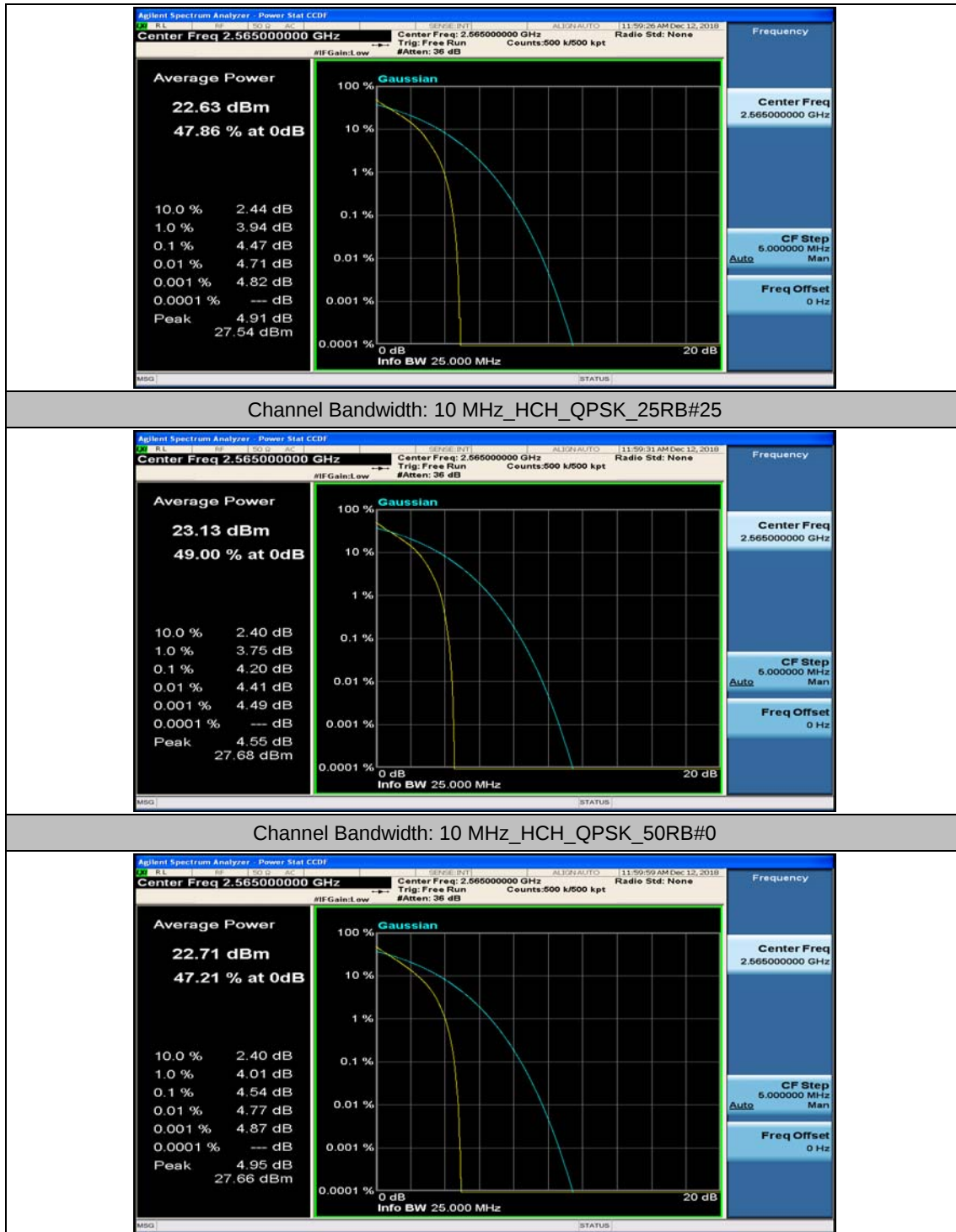
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



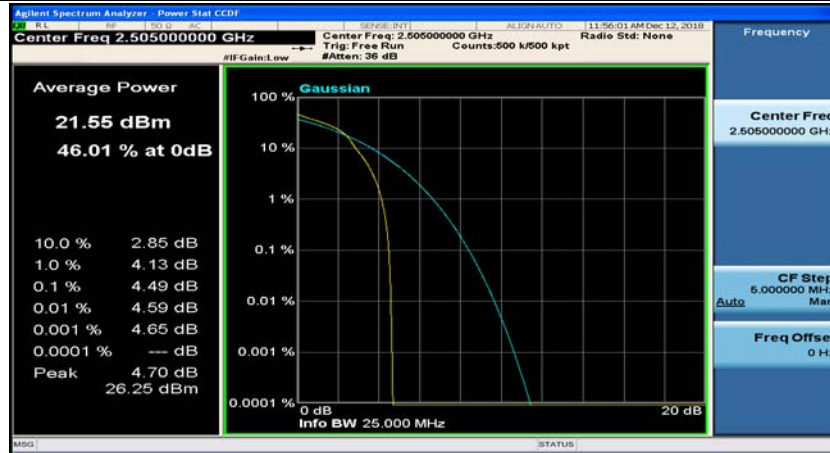
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



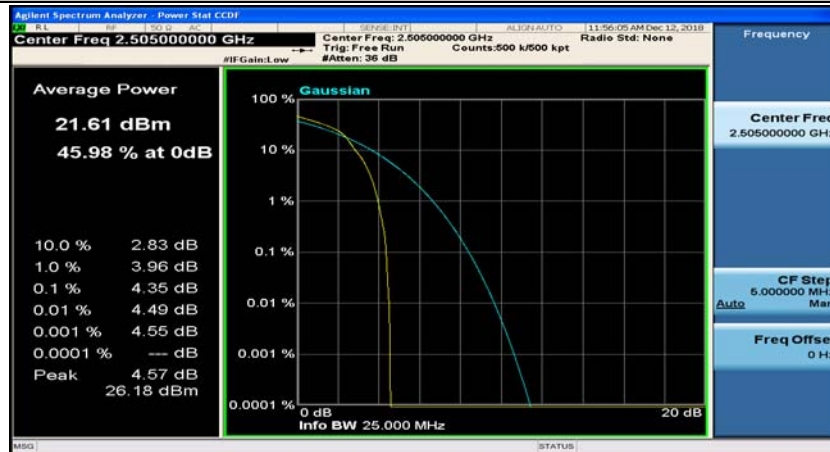
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



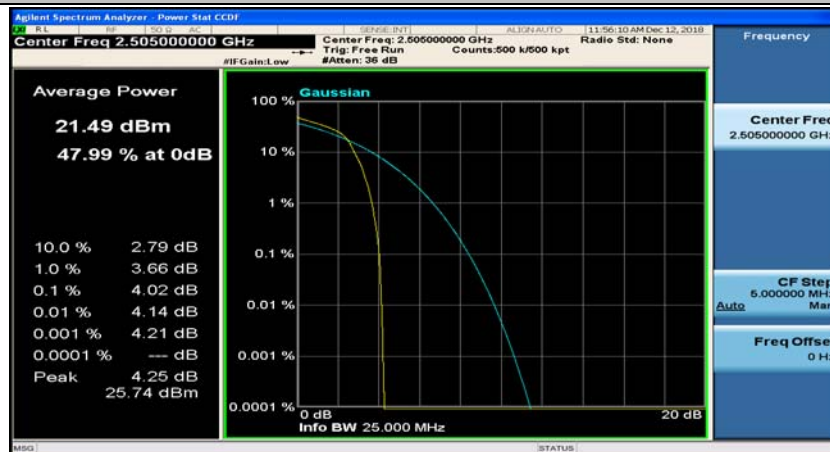
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



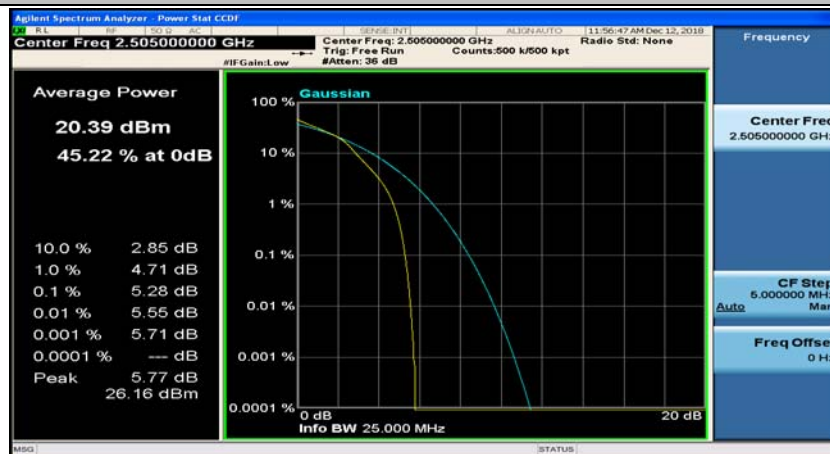
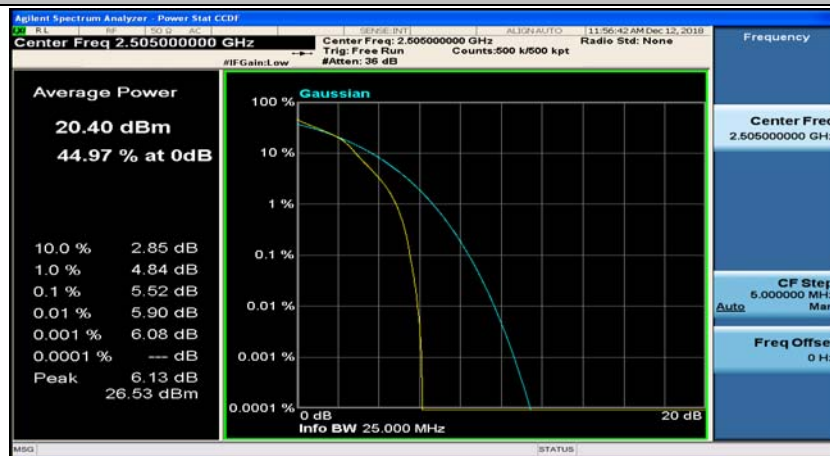
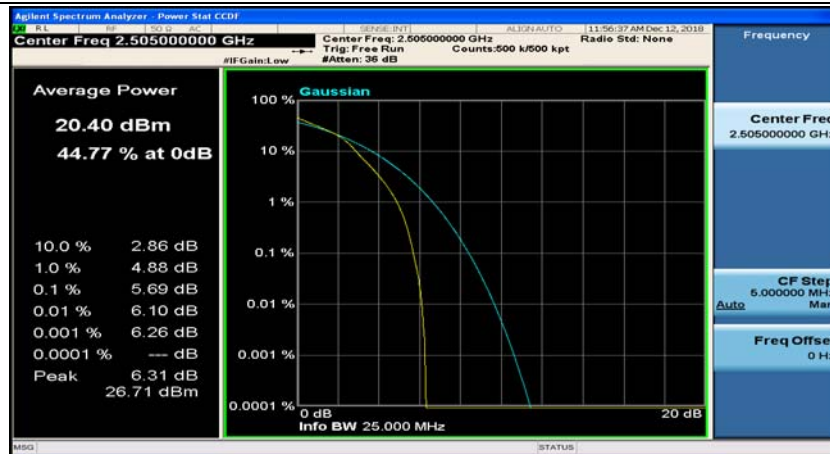
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





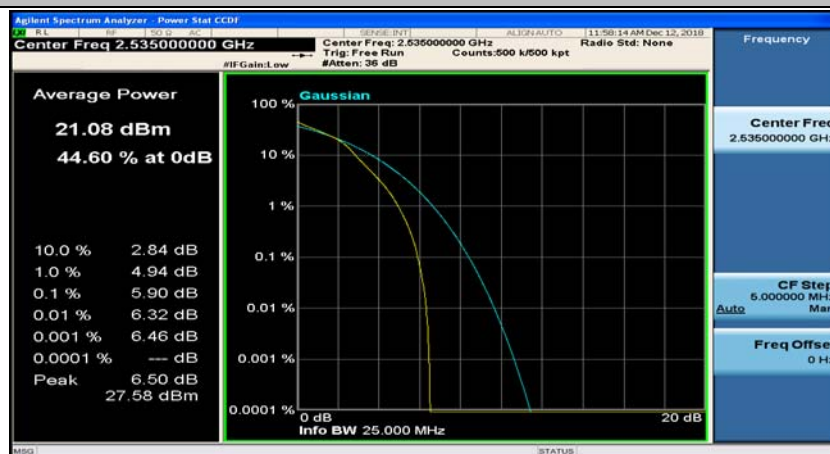
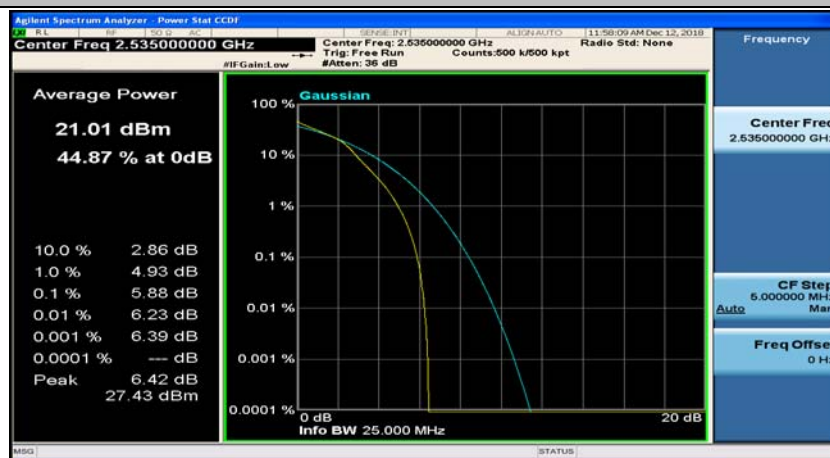
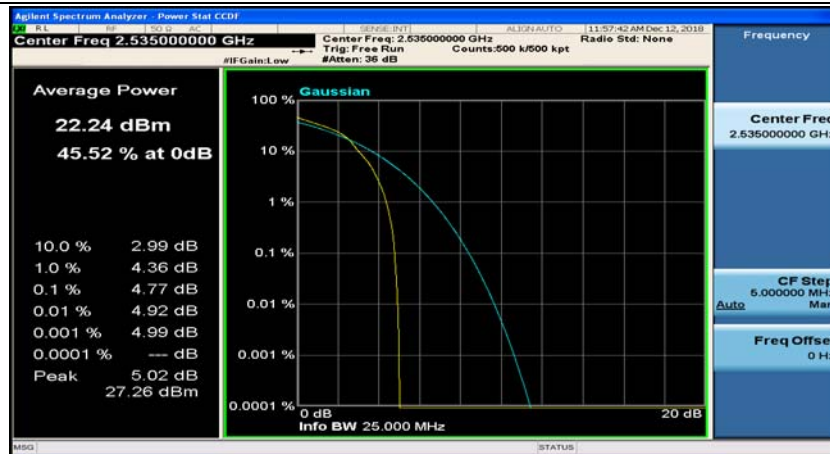
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

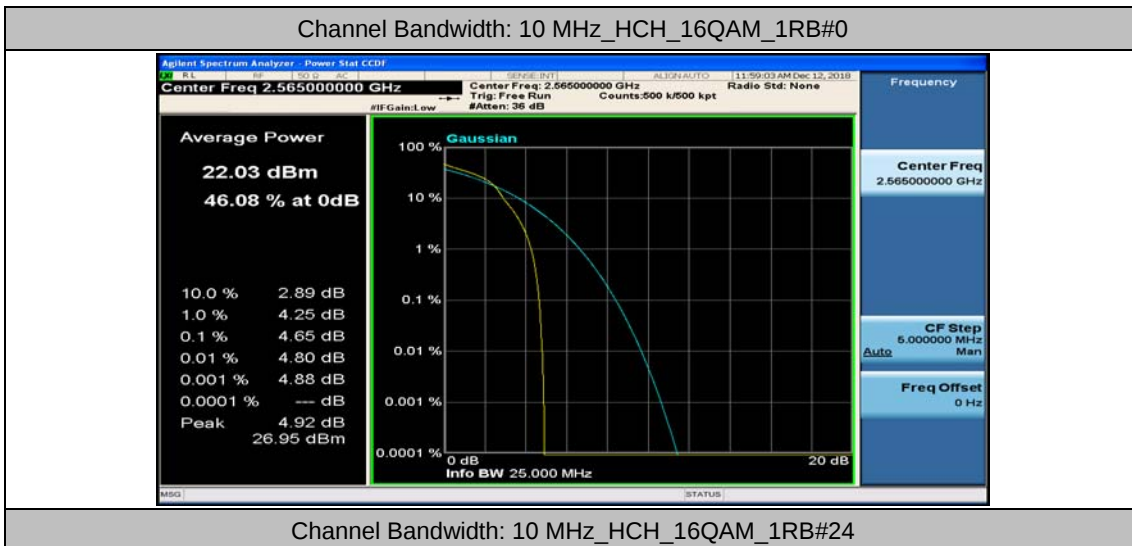
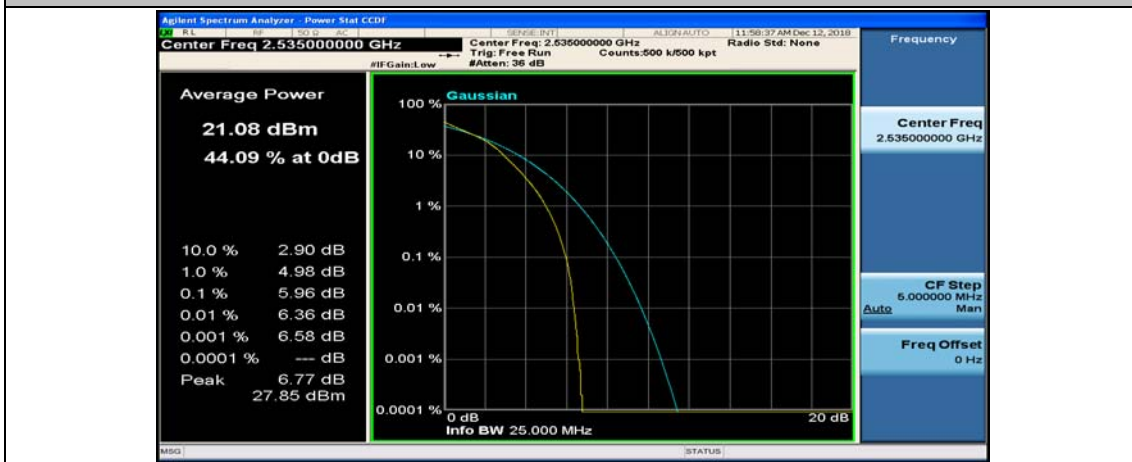


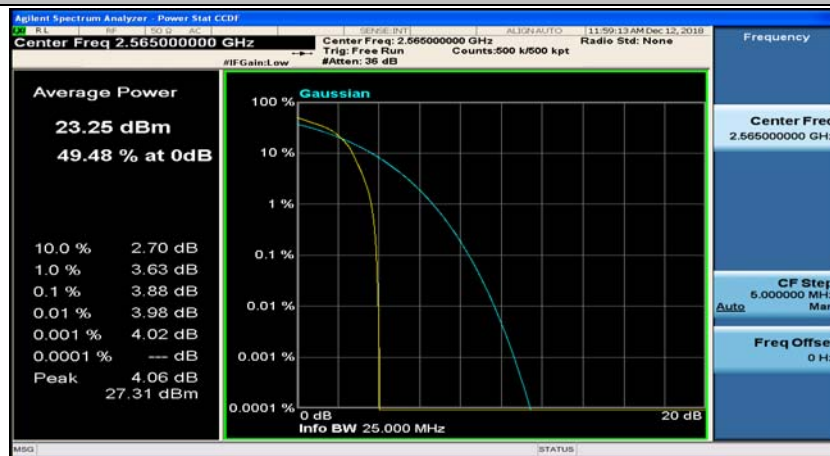
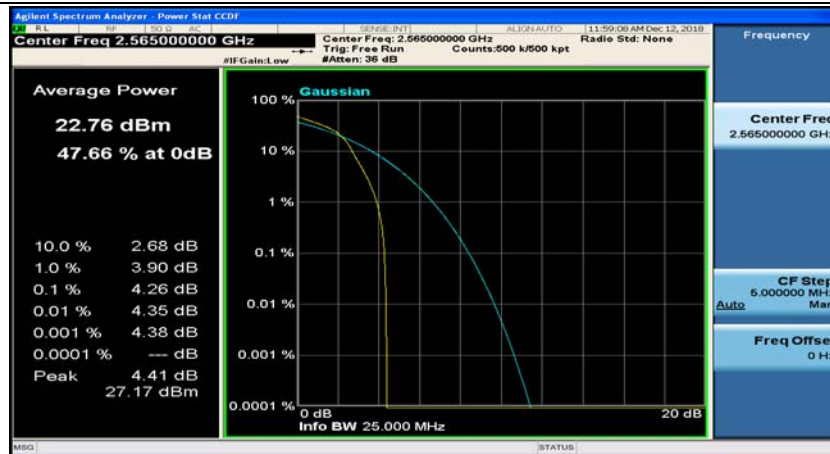
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

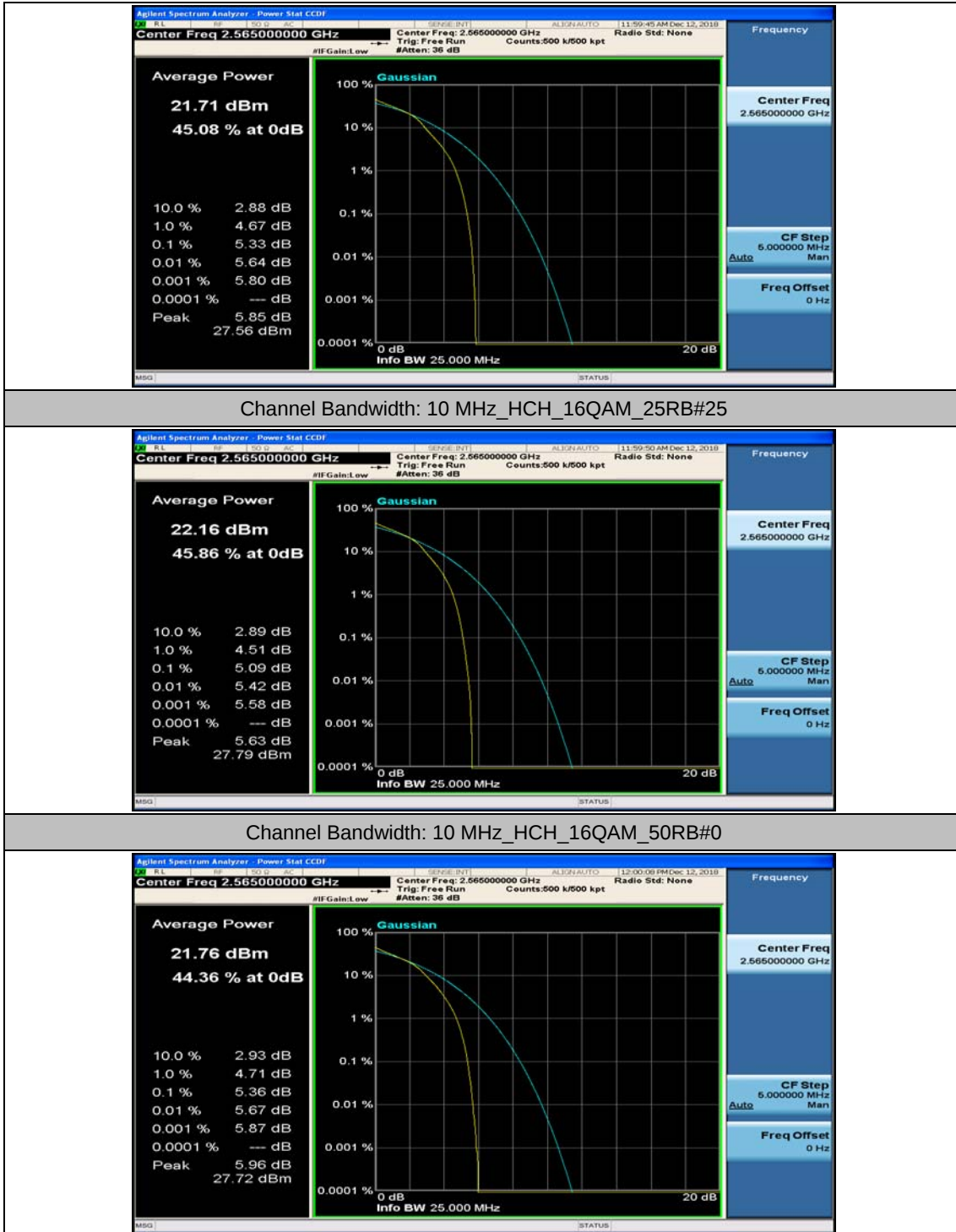


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



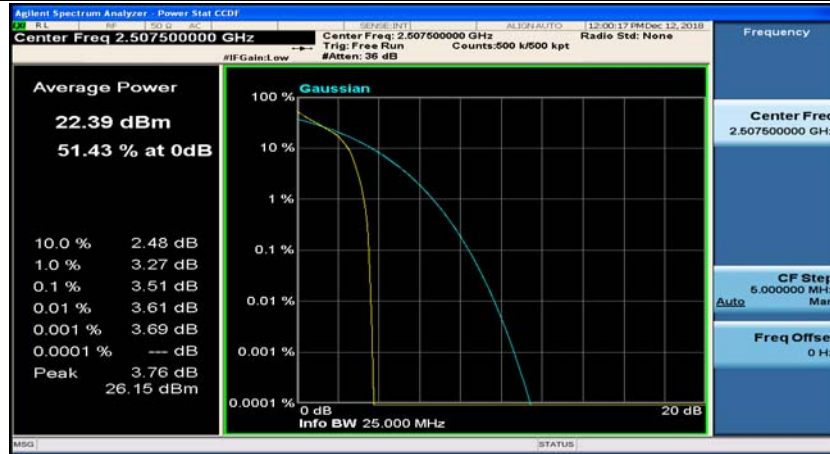




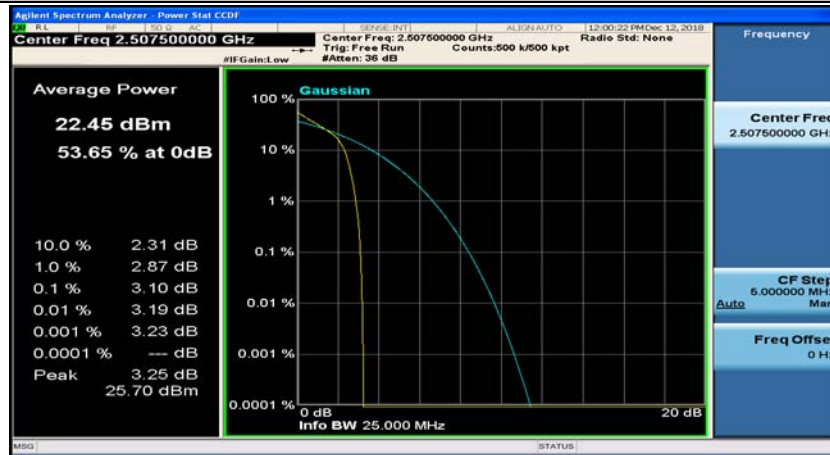


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



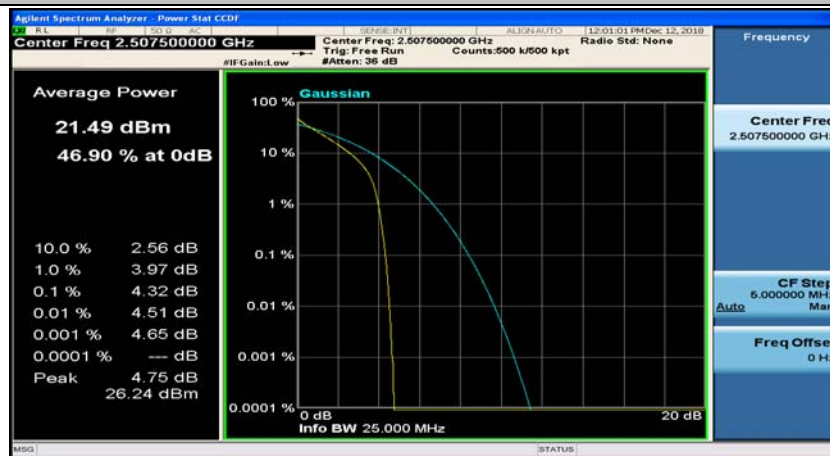
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



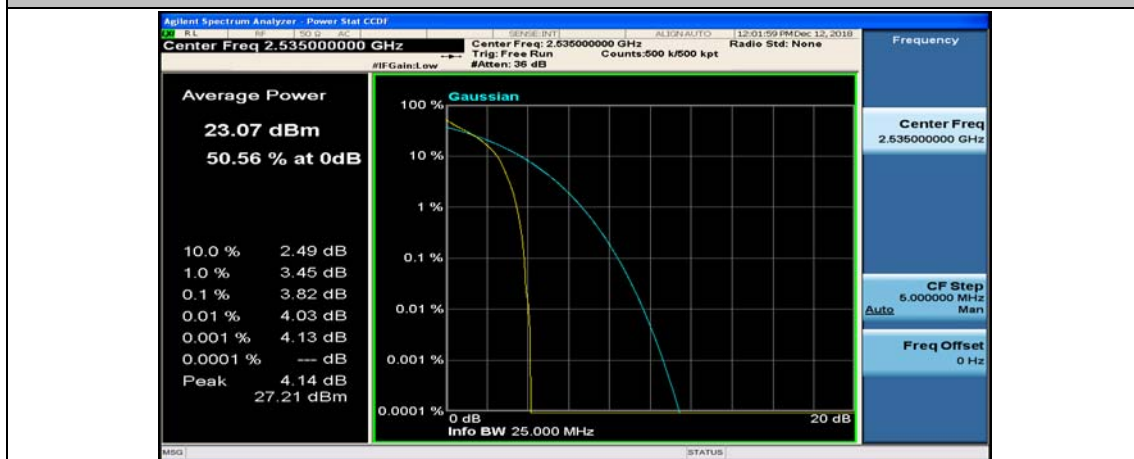
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



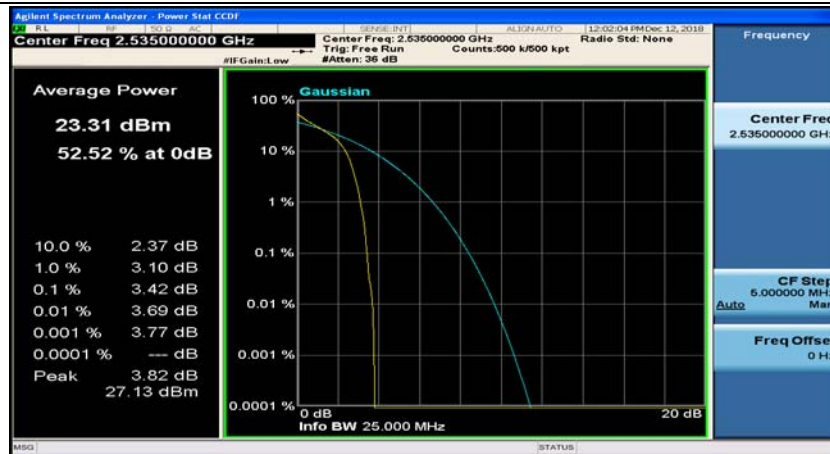
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



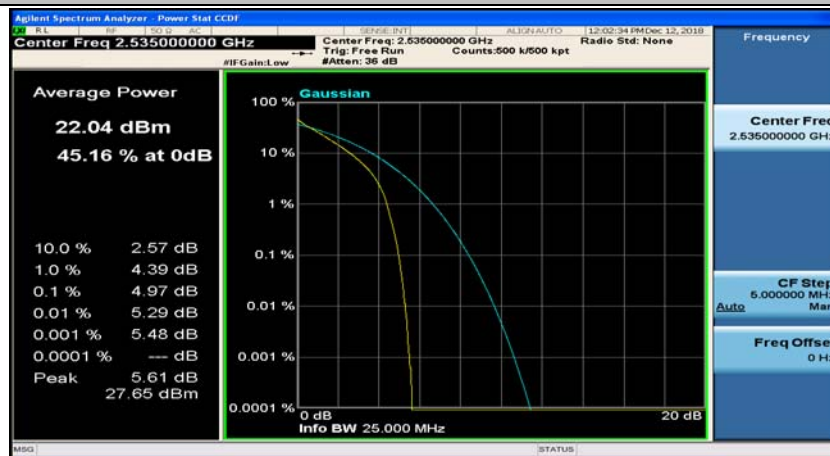
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



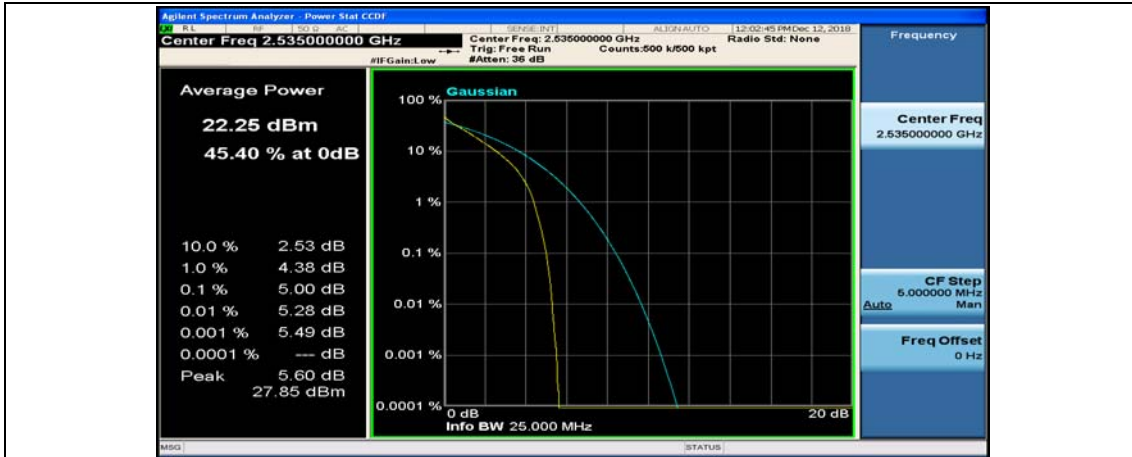
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



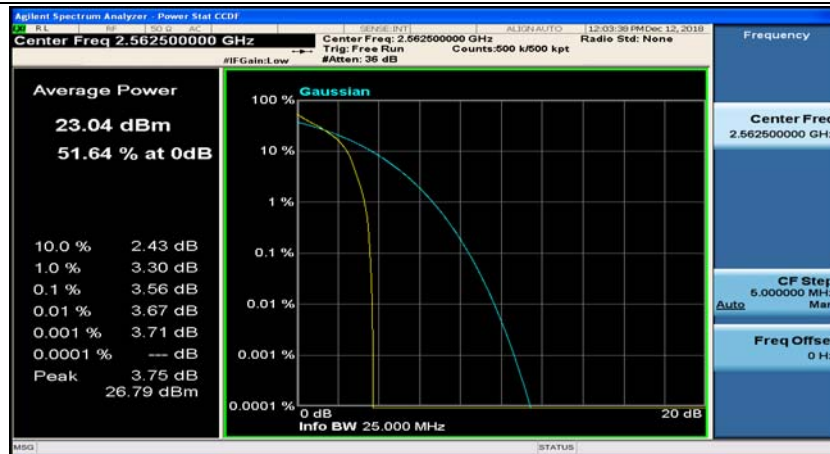
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



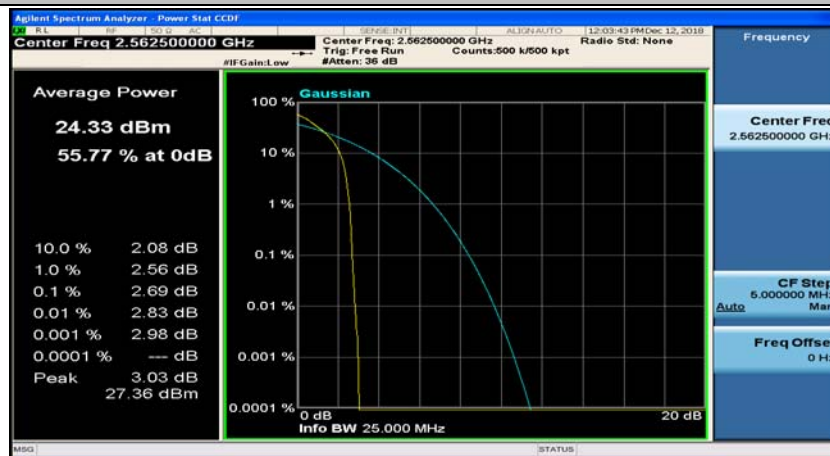
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



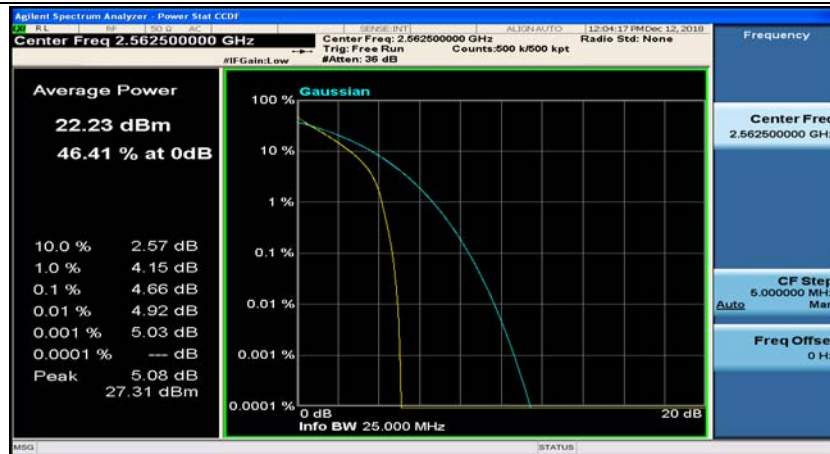
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



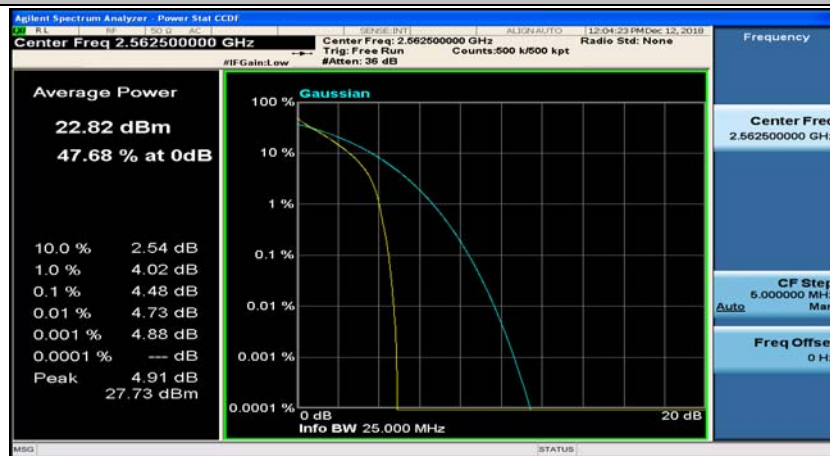
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



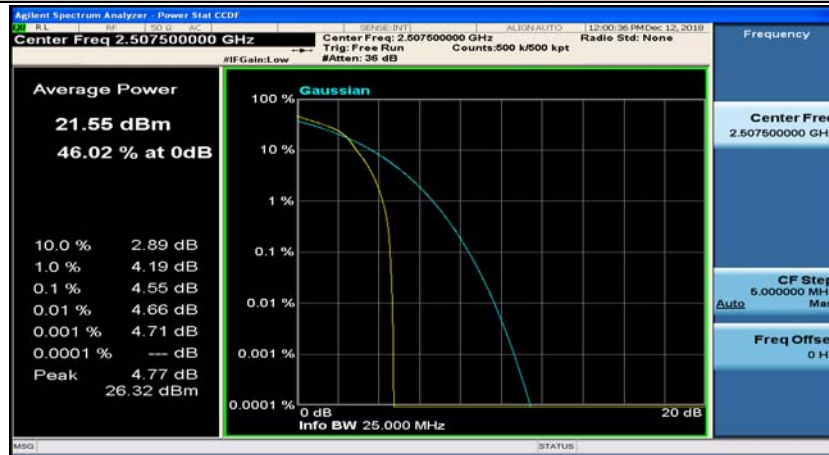
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



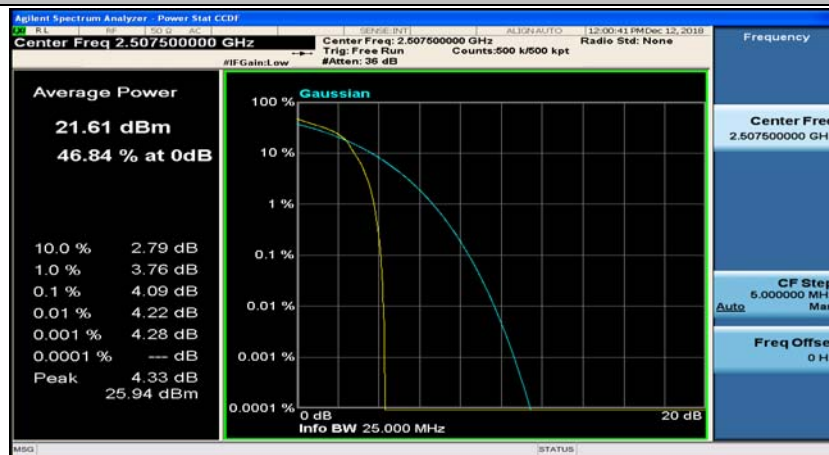
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



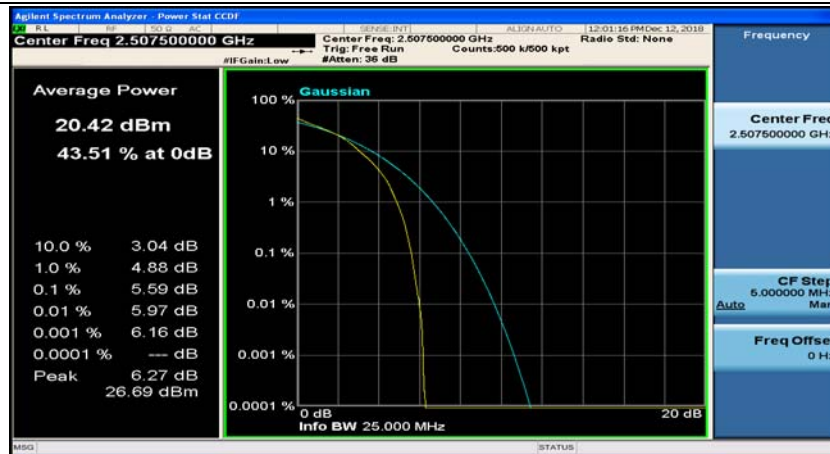
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



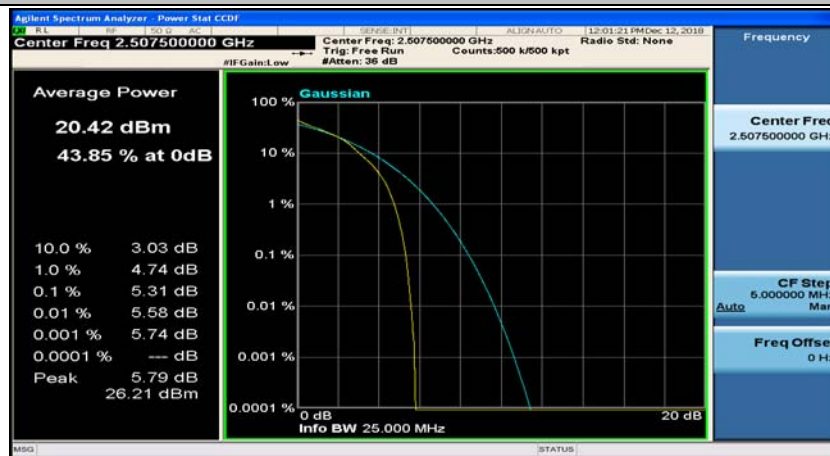
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



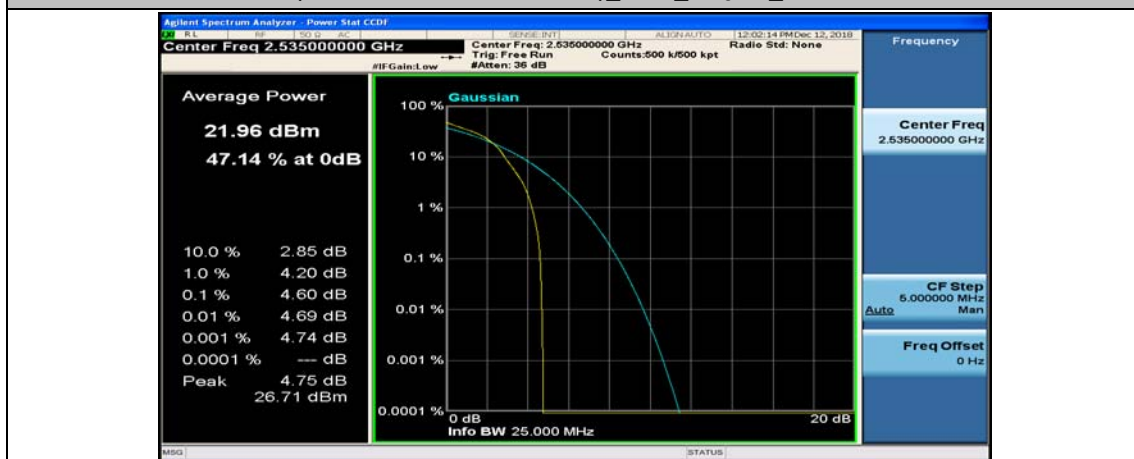
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



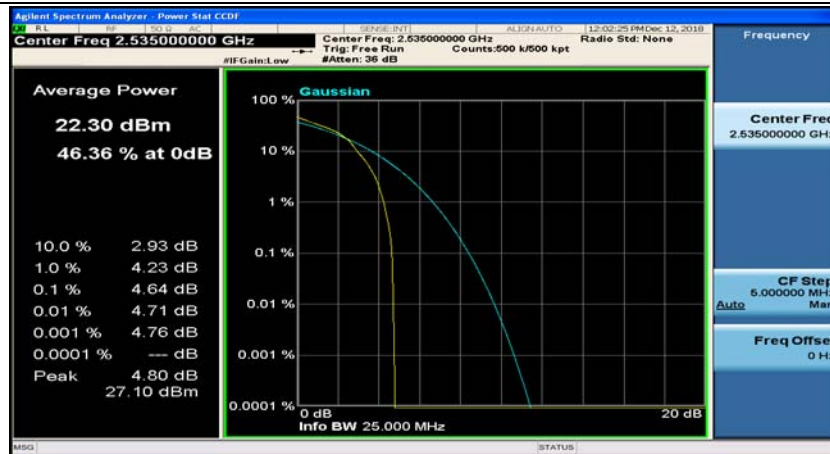
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



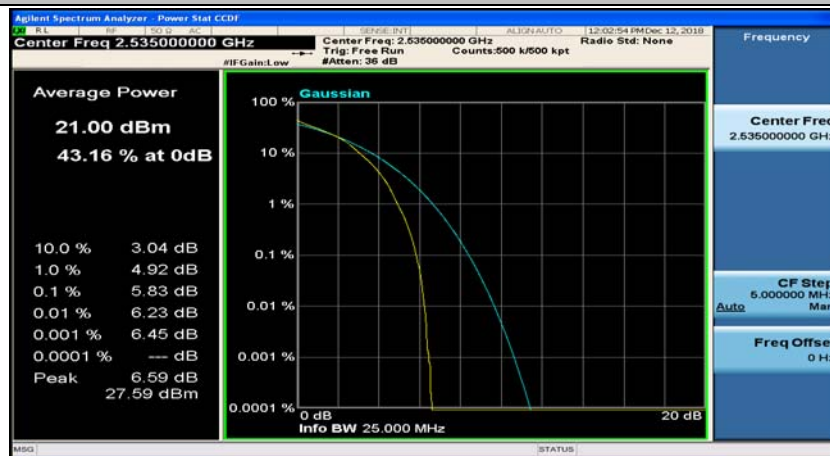
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



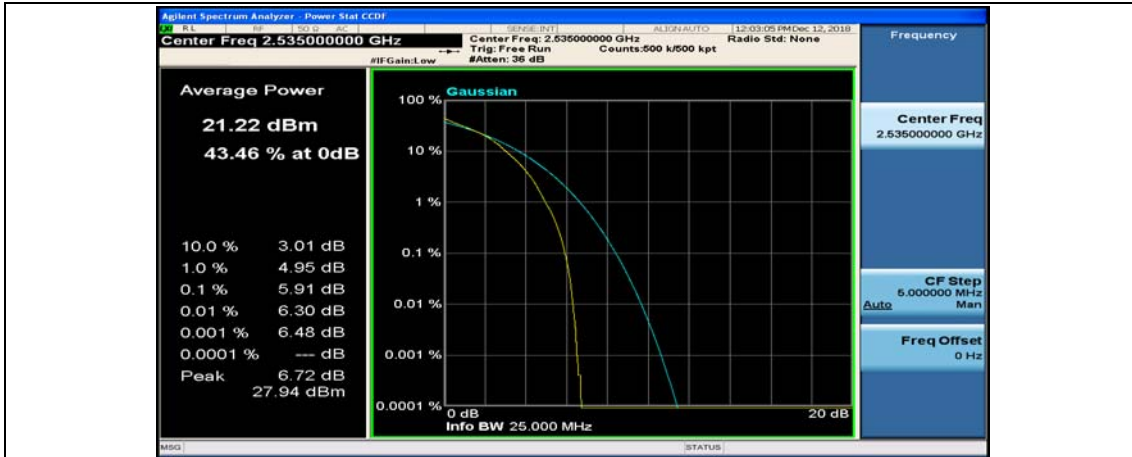
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0



(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