

Appendix for Band 38

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	21.3	PASS
		1	12	21.47	PASS
		1	24	21.18	PASS
		12	0	20.92	PASS
		12	6	20.79	PASS
		12	13	20.98	PASS
		25	0	20.78	PASS
	MCH	1	0	21.06	PASS
		1	12	21.38	PASS
		1	24	21.03	PASS
		12	0	20.78	PASS
		12	6	20.98	PASS
		12	13	20.75	PASS
		25	0	20.68	PASS
	HCH	1	0	20.95	PASS
		1	12	21.27	PASS
		1	24	20.93	PASS
		12	0	20.93	PASS
		12	6	20.96	PASS
		12	13	20.91	PASS
		25	0	20.94	PASS
16QAM	LCH	1	0	20.77	PASS
		1	12	20.68	PASS
		1	24	20.34	PASS
		12	0	20.35	PASS
		12	6	20.39	PASS
		12	13	20.38	PASS
		25	0	20.47	PASS
	MCH	1	0	20.32	PASS
		1	12	20.64	PASS
		1	24	20.35	PASS

		12	0	20.45	PASS
		12	6	20.38	PASS
		12	13	20.45	PASS
		25	0	20.38	PASS
	HCH	1	0	20.42	PASS
		1	12	20.41	PASS
		1	24	20.48	PASS
		12	0	20.38	PASS
		12	6	20.48	PASS
		12	13	20.46	PASS
		25	0	20.38	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.26	PASS
		1	24	21.31	PASS
		1	49	21.19	PASS
		25	0	20.65	PASS
		25	12	20.48	PASS
		25	25	20.65	PASS
		50	0	20.78	PASS
	MCH	1	0	21.17	PASS
		1	24	21.23	PASS
		1	49	21.08	PASS
		25	0	21.11	PASS
		25	12	21.11	PASS
		25	25	21.13	PASS
		50	0	21.14	PASS
	HCH	1	0	20.99	PASS
		1	24	21.07	PASS
		1	49	20.95	PASS
		25	0	20.58	PASS
		25	12	20.35	PASS
		25	25	20.96	PASS
		50	0	20.75	PASS
16QAM	LCH	1	0	20.45	PASS
		1	24	20.49	PASS
		1	49	20.43	PASS
		25	0	20.32	PASS
		25	12	20.37	PASS
		25	25	20.46	PASS

	MCH	50	0	20.36	PASS
		1	0	20.65	PASS
		1	24	20.48	PASS
		1	49	20.33	PASS
		25	0	20.38	PASS
		25	12	20.35	PASS
		25	25	20.35	PASS
		50	0	20.37	PASS
	HCH	1	0	20.65	PASS
		1	24	20.32	PASS
		1	49	20.65	PASS
		25	0	20.45	PASS
		25	12	20.36	PASS
		25	25	20.35	PASS
		50	0	20.45	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.24	PASS
		1	37	21.47	PASS
		1	74	21.12	PASS
		37	0	20.87	PASS
		37	18	20.88	PASS
		37	38	20.83	PASS
		75	0	20.76	PASS
	MCH	1	0	21.1	PASS
		1	37	21.4	PASS
		1	74	20.95	PASS
		37	0	20.91	PASS
		37	18	20.81	PASS
		37	38	20.45	PASS
		75	0	20.35	PASS
	HCH	1	0	21	PASS
		1	37	21.3	PASS
		1	74	20.89	PASS
		37	0	20.69	PASS
		37	18	20.65	PASS
		37	38	20.44	PASS
		75	0	20.65	PASS
16QAM	LCH	1	0	20.46	PASS
		1	37	20.63	PASS

		1	74	20.88	PASS
		37	0	20.38	PASS
		37	18	20.39	PASS
		37	38	20.39	PASS
		75	0	20.44	PASS
	MCH	1	0	20.98	PASS
		1	37	20.52	PASS
		1	74	20.85	PASS
		37	0	20.45	PASS
		37	18	20.38	PASS
		37	38	20.45	PASS
		75	0	20.47	PASS
	HCH	1	0	20.61	PASS
		1	37	20.57	PASS
		1	74	20.81	PASS
		37	0	20.48	PASS
		37	18	20.47	PASS
		37	38	20.45	PASS
		75	0	20.47	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.98	PASS
		1	49	21.33	PASS
		1	99	21.03	PASS
		50	0	21.36	PASS
		50	25	20.98	PASS
		50	50	21.18	PASS
		100	0	21.25	PASS
	MCH	1	0	21.15	PASS
		1	49	21.29	PASS
		1	99	20.99	PASS
		50	0	20.65	PASS
		50	25	20.94	PASS
		50	50	20.77	PASS
		100	0	20.95	PASS
	HCH	1	0	21.81	PASS
		1	49	21.11	PASS
		1	99	20.86	PASS
		50	0	20.96	PASS
		50	25	20.94	PASS

		50	50	20.95	PASS
		100	0	20.85	PASS
16QAM	LCH	1	0	21.42	PASS
		1	49	20.96	PASS
		1	99	21.32	PASS
		50	0	20.34	PASS
		50	25	20.33	PASS
		50	50	20.35	PASS
		100	0	20.48	PASS
	MCH	1	0	21.22	PASS
		1	49	20.95	PASS
		1	99	21.26	PASS
		50	0	20.35	PASS
		50	25	20.36	PASS
		50	50	20.35	PASS
		100	0	20.35	PASS
	HCH	1	0	20.94	PASS
		1	49	20.35	PASS
		1	99	20.35	PASS
		50	0	20.35	PASS
		50	25	20.38	PASS
		50	50	20.47	PASS
		100	0	20.32	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	10.41	<13	PASS
		1	12	8.88	<13	PASS
		1	24	7.28	<13	PASS
		12	0	9.29	<13	PASS
		12	6	8.11	<13	PASS
		12	13	9.41	<13	PASS
		25	0	10.02	<13	PASS
	MCH	1	0	9.8	<13	PASS
		1	12	6.05	<13	PASS
		1	24	9.34	<13	PASS
		12	0	8.79	<13	PASS
		12	6	10.39	<13	PASS
		12	13	6.47	<13	PASS
		25	0	10.32	<13	PASS
	HCH	1	0	8.8	<13	PASS
		1	12	8.31	<13	PASS
		1	24	8.12	<13	PASS
		12	0	9.94	<13	PASS
		12	6	8.45	<13	PASS
		12	13	11.68	<13	PASS
		25	0	7.88	<13	PASS
16QAM	LCH	1	0	7.31	<13	PASS
		1	12	7.93	<13	PASS
		1	24	8.2	<13	PASS
		12	0	7.85	<13	PASS
		12	6	10.78	<13	PASS
		12	13	11.43	<13	PASS
		25	0	9.34	<13	PASS
	MCH	1	0	9.94	<13	PASS
		1	12	10.95	<13	PASS
		1	24	8.61	<13	PASS
		12	0	9.04	<13	PASS

		12	6	10.24	<13	PASS
		12	13	9.76	<13	PASS
		25	0	9.32	<13	PASS
	HCH	1	0	8.83	<13	PASS
		1	12	8.75	<13	PASS
		1	24	9.29	<13	PASS
		12	0	9.58	<13	PASS
		12	6	7.76	<13	PASS
		12	13	10.64	<13	PASS
		25	0	11.42	<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	8.5	<13	PASS
		1	24	7.43	<13	PASS
		1	49	8.5	<13	PASS
		25	0	7.89	<13	PASS
		25	12	9.27	<13	PASS
		25	25	7.41	<13	PASS
		50	0	9.29	<13	PASS
	MCH	1	0	8.14	<13	PASS
		1	24	7.31	<13	PASS
		1	49	11.06	<13	PASS
		25	0	8.91	<13	PASS
		25	12	8.31	<13	PASS
		25	25	9.59	<13	PASS
		50	0	8.81	<13	PASS
	HCH	1	0	8.89	<13	PASS
		1	24	5.99	<13	PASS
		1	49	8.06	<13	PASS
		25	0	7.77	<13	PASS
		25	12	8.39	<13	PASS
		25	25	7.47	<13	PASS
		50	0	8.76	<13	PASS
16QAM	LCH	1	0	7.87	<13	PASS
		1	24	9.24	<13	PASS
		1	49	11.31	<13	PASS
		25	0	8.41	<13	PASS
		25	12	10.98	<13	PASS

		25	25	9.58	<13	PASS
		50	0	9.98	<13	PASS
	MCH	1	0	8.15	<13	PASS
		1	24	8.43	<13	PASS
		1	49	9.14	<13	PASS
		25	0	9.27	<13	PASS
		25	12	11.49	<13	PASS
		25	25	11.21	<13	PASS
		50	0	10.6	<13	PASS
		50	0	10.6	<13	PASS
	HCH	1	0	9.34	<13	PASS
		1	24	8.03	<13	PASS
		1	49	10.32	<13	PASS
		25	0	7.79	<13	PASS
		25	12	9.43	<13	PASS
		25	25	9.74	<13	PASS
		50	0	11.48	<13	PASS
		50	0	11.48	<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	11.03	<13	PASS
		1	37	7.85	<13	PASS
		1	74	8.94	<13	PASS
		37	0	10.34	<13	PASS
		37	18	7.25	<13	PASS
		37	38	12.44	<13	PASS
		75	0	9.98	<13	PASS
		75	0	9.98	<13	PASS
	MCH	1	0	6.84	<13	PASS
		1	37	6.19	<13	PASS
		1	74	8.06	<13	PASS
		37	0	8.24	<13	PASS
		37	18	7.64	<13	PASS
		37	38	8.27	<13	PASS
		75	0	11.64	<13	PASS
		75	0	11.64	<13	PASS
	HCH	1	0	8.03	<13	PASS
		1	37	8.47	<13	PASS
		1	74	7.23	<13	PASS
		37	0	7.11	<13	PASS
		37	18	8.71	<13	PASS
		37	38	6.83	<13	PASS
		37	38	6.83	<13	PASS
		37	38	6.83	<13	PASS

		75	0	8.6	<13	PASS
16QAM	LCH	1	0	9.18	<13	PASS
		1	37	5.83	<13	PASS
		1	74	10.9	<13	PASS
		37	0	8.37	<13	PASS
		37	18	11.45	<13	PASS
		37	38	9.09	<13	PASS
		75	0	8.28	<13	PASS
	MCH	1	0	9.77	<13	PASS
		1	37	9.93	<13	PASS
		1	74	10.68	<13	PASS
		37	0	9.49	<13	PASS
		37	18	9.42	<13	PASS
		37	38	11.7	<13	PASS
		75	0	9.01	<13	PASS
	HCH	1	0	7.71	<13	PASS
		1	37	9.27	<13	PASS
		1	74	9.51	<13	PASS
		37	0	9.31	<13	PASS
		37	18	9.2	<13	PASS
		37	38	7.91	<13	PASS
		75	0	11.54	<13	PASS

Channel Bandwidth: 20 MHz

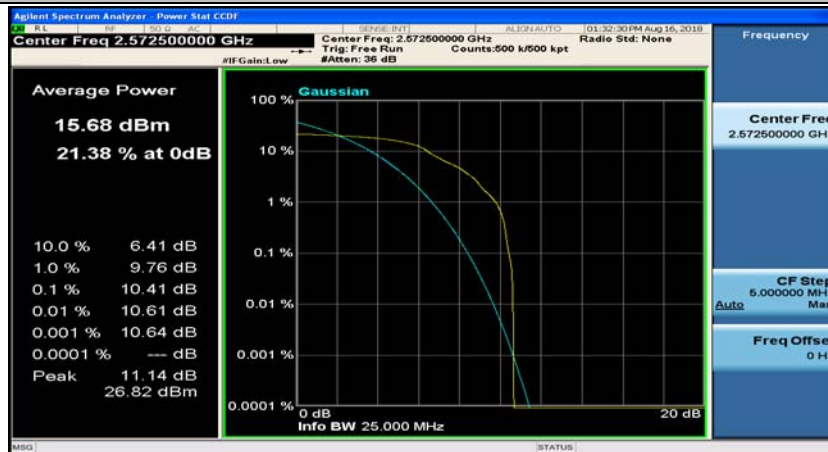
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.33	<13	PASS
		1	49	10.43	<13	PASS
		1	99	8.44	<13	PASS
		50	0	10.9	<13	PASS
		50	25	9	<13	PASS
		50	50	12.52	<13	PASS
		100	0	9.05	<13	PASS
	MCH	1	0	9.06	<13	PASS
		1	49	8.91	<13	PASS
		1	99	9.19	<13	PASS
		50	0	7.16	<13	PASS
		50	25	9.73	<13	PASS
		50	50	8.47	<13	PASS
		100	0	10.5	<13	PASS

	HCH	1	0	12.43	<13	PASS
		1	49	8.15	<13	PASS
		1	99	10.05	<13	PASS
		50	0	7.77	<13	PASS
		50	25	7.6	<13	PASS
		50	50	6.93	<13	PASS
		100	0	6.06	<13	PASS
16QAM	LCH	1	0	7.7	<13	PASS
		1	49	7.91	<13	PASS
		1	99	8.98	<13	PASS
		50	0	11.21	<13	PASS
		50	25	12.18	<13	PASS
		50	50	9.37	<13	PASS
	MCH	1	0	8.82	<13	PASS
		1	99	6.79	<13	PASS
		50	0	9.5	<13	PASS
		50	50	10.52	<13	PASS
		100	0	8.94	<13	PASS
	HCH	1	0	9.11	<13	PASS
		1	99	7.98	<13	PASS
		50	0	10.28	<13	PASS
		50	50	7.83	<13	PASS
		100	0	10.28	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



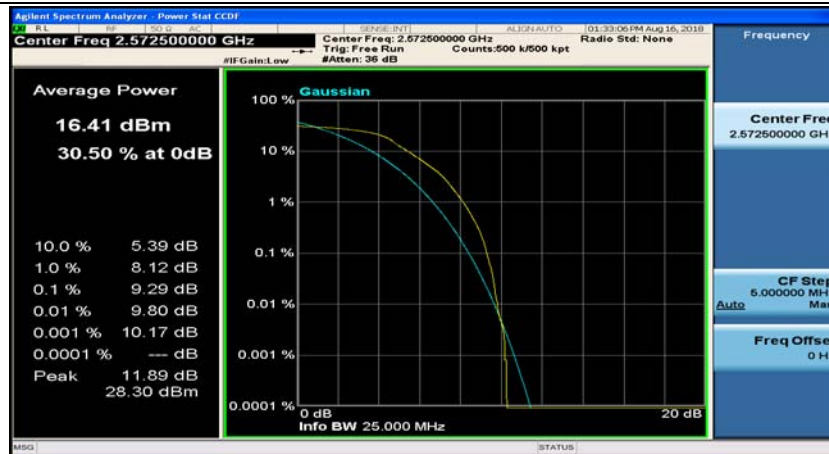
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



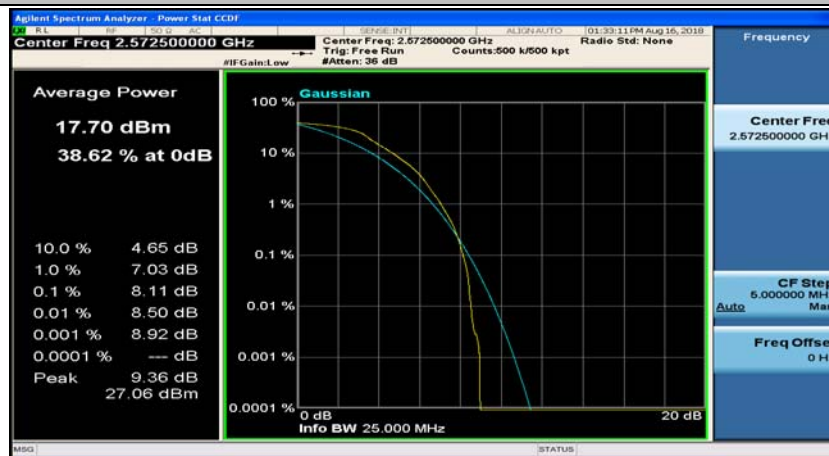
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



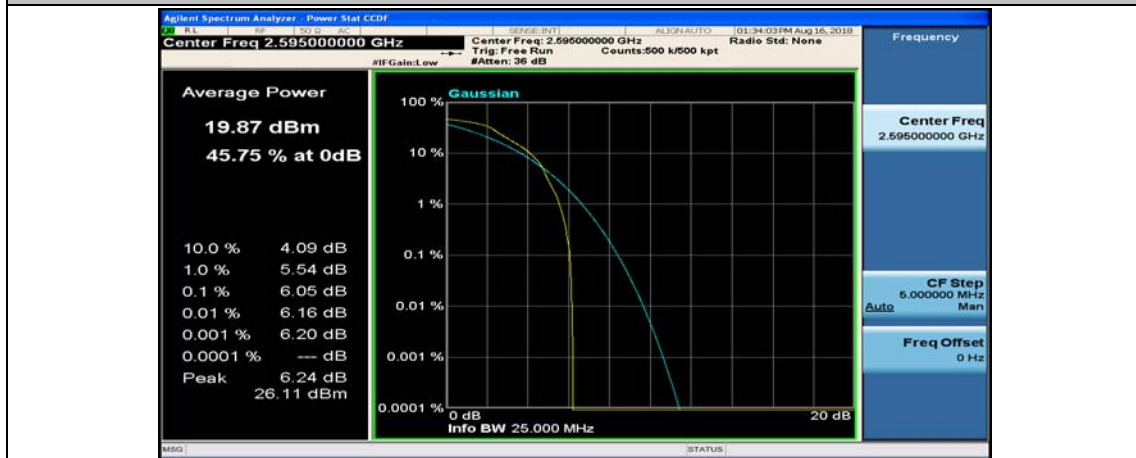
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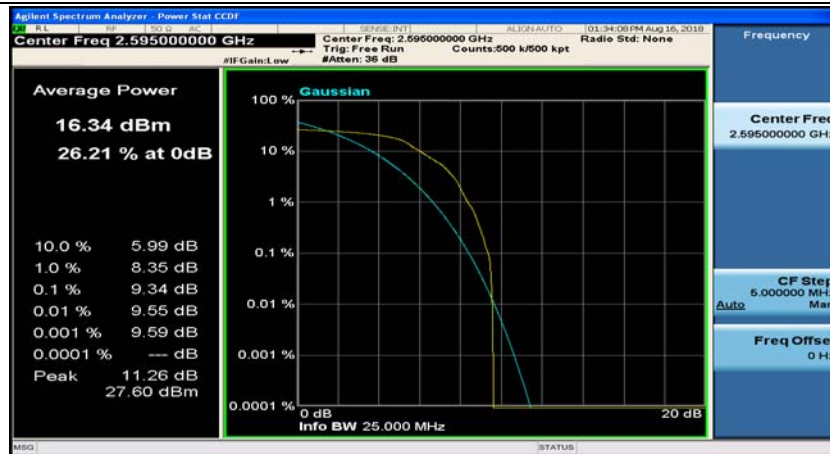
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



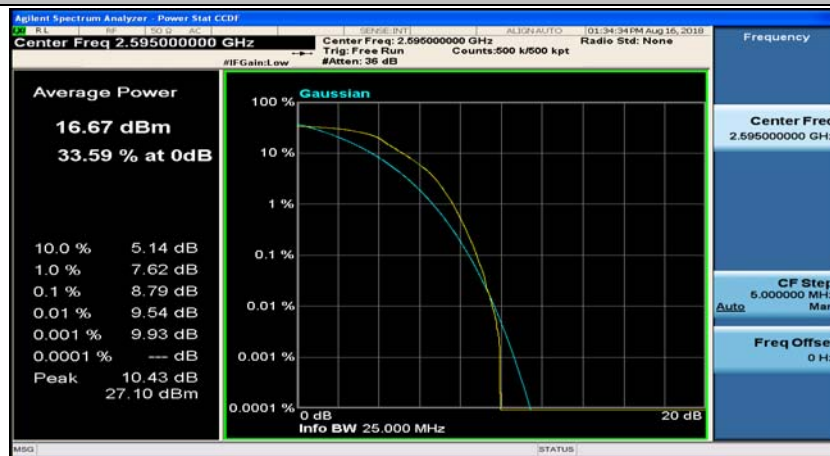
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



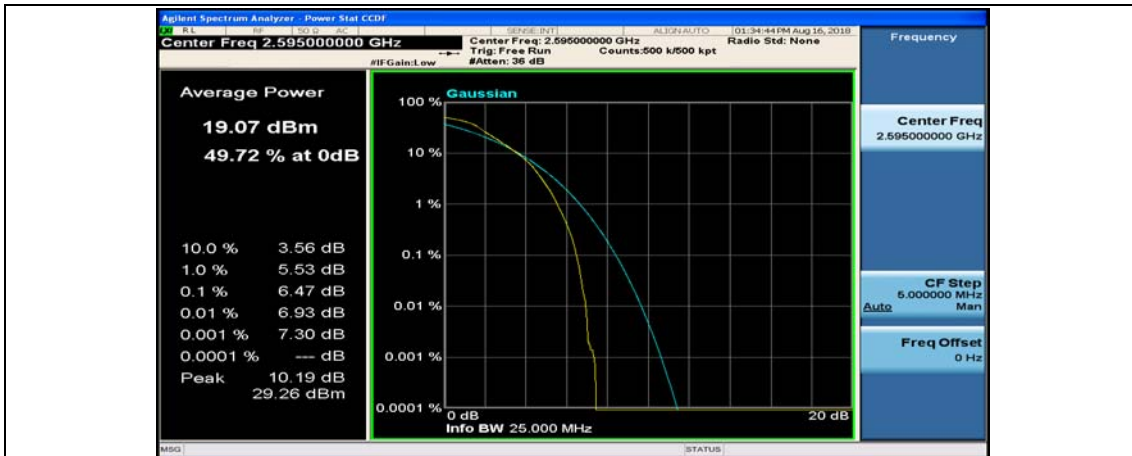
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



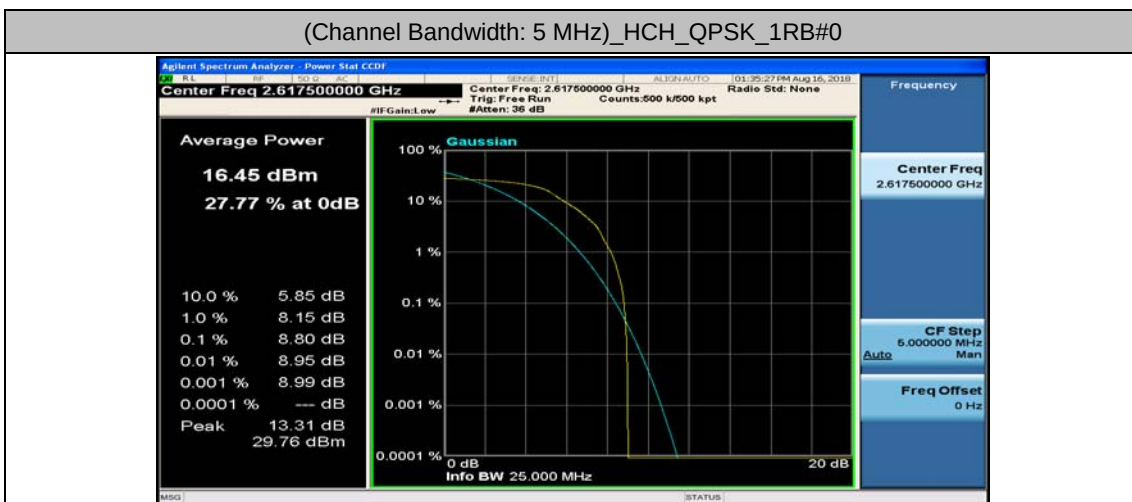
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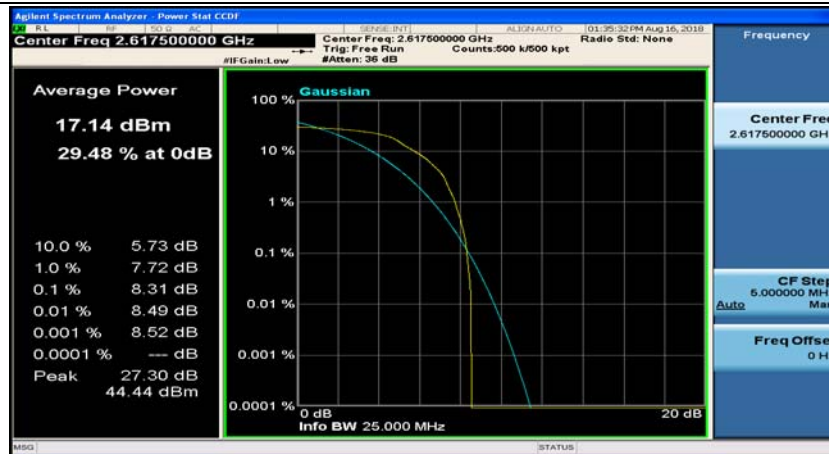
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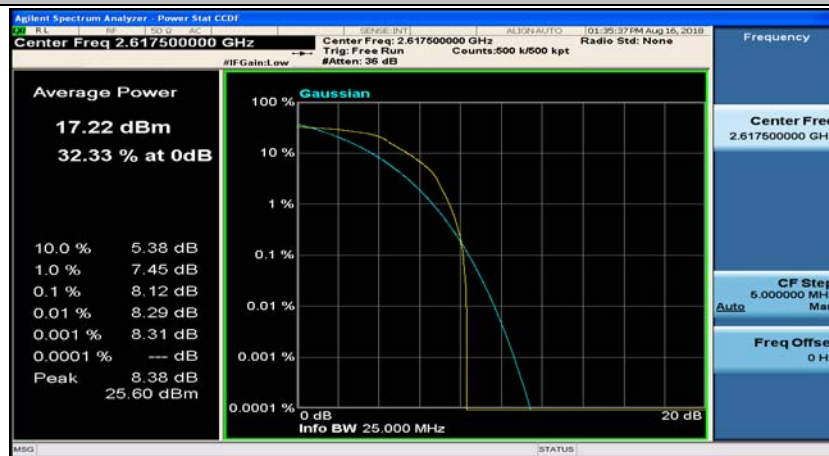
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



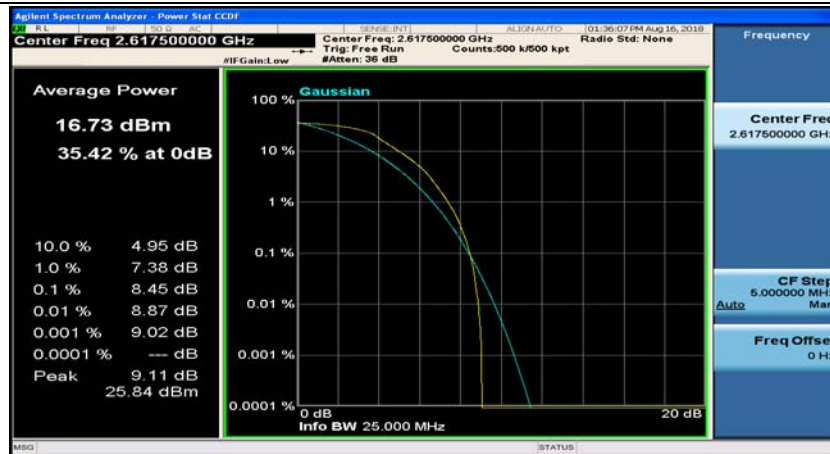
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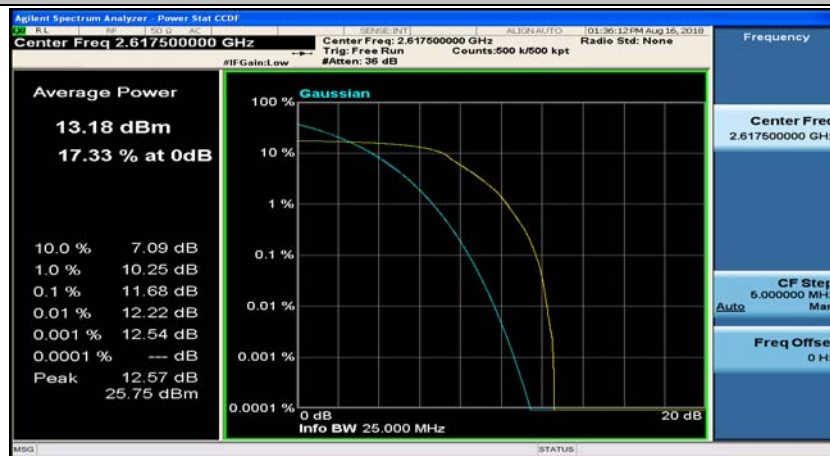
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



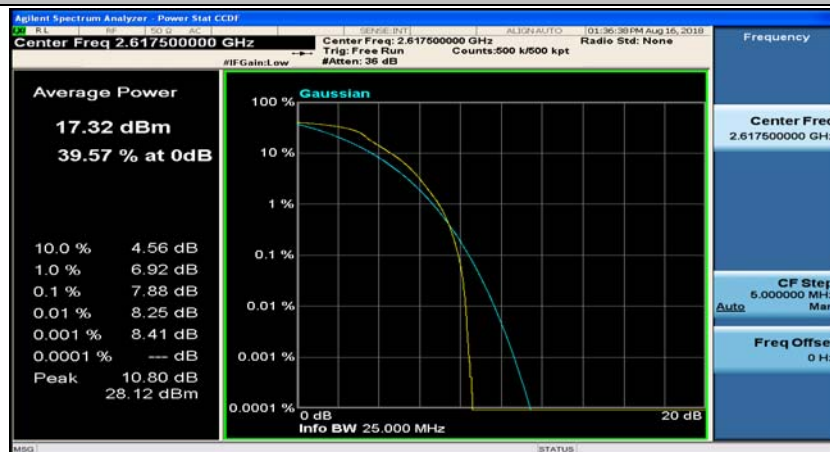
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



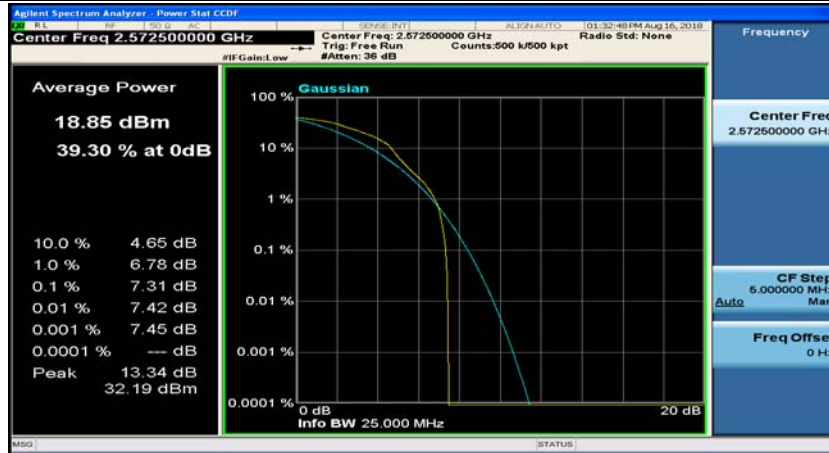
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



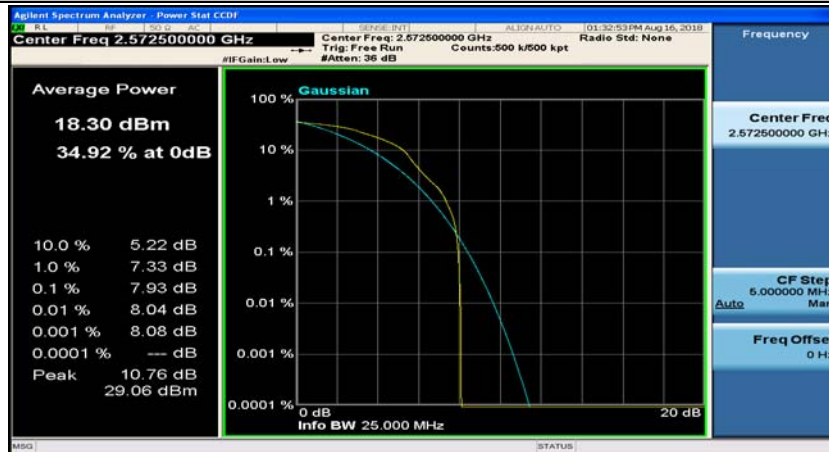
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



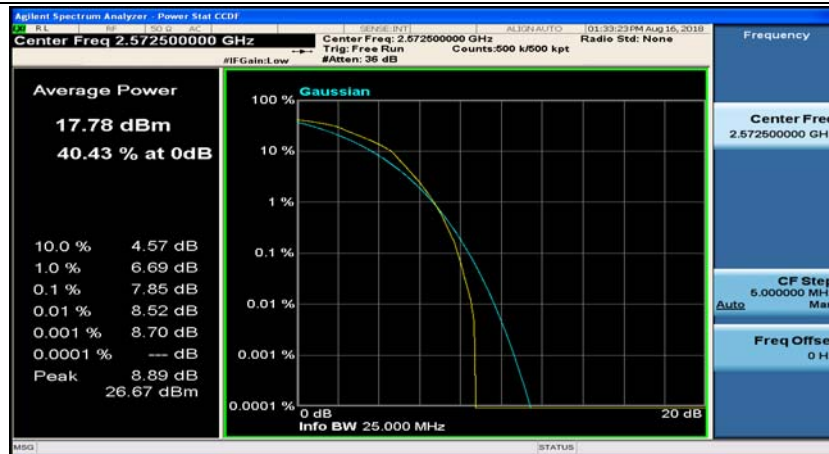
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



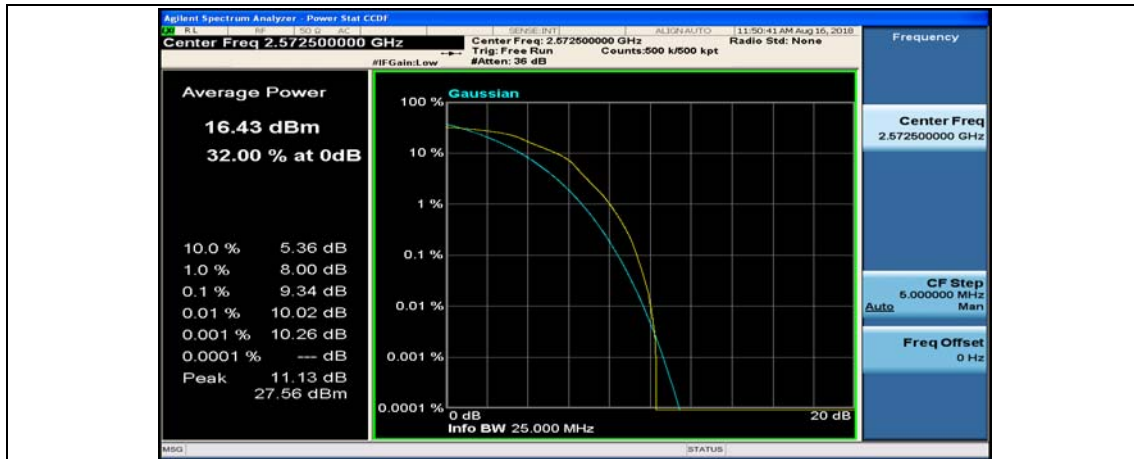
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(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



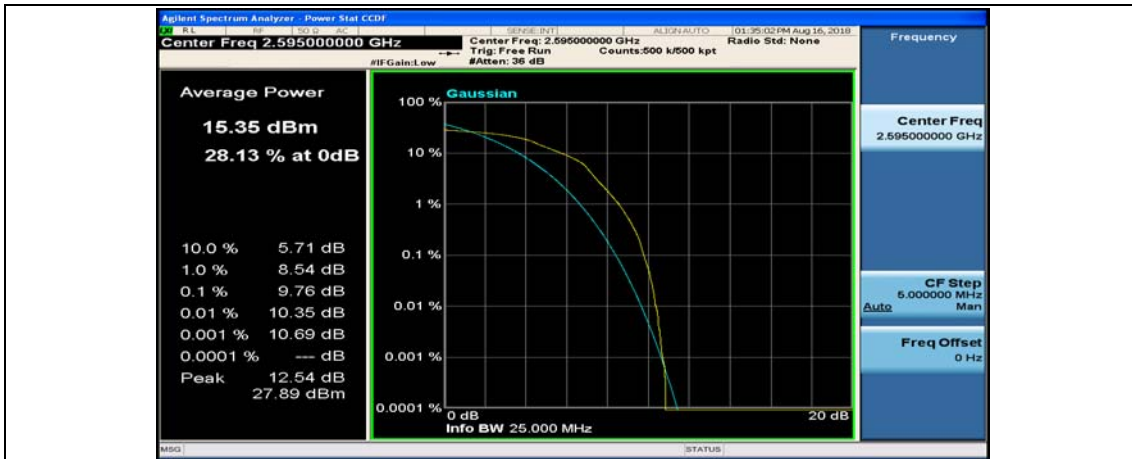
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



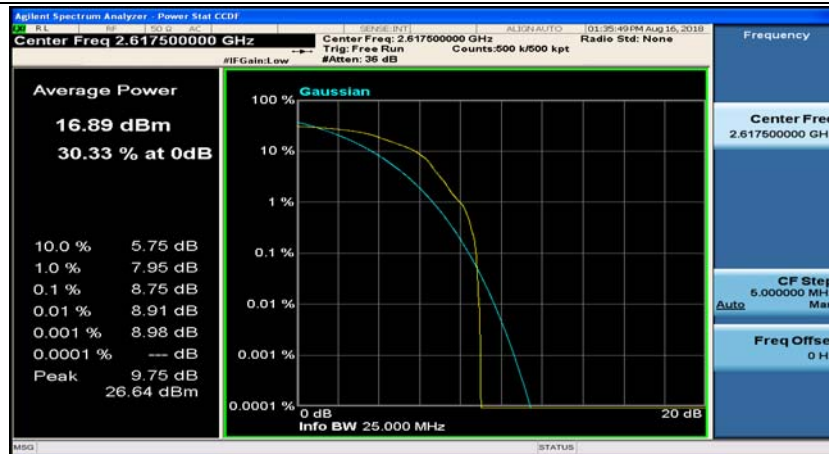
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



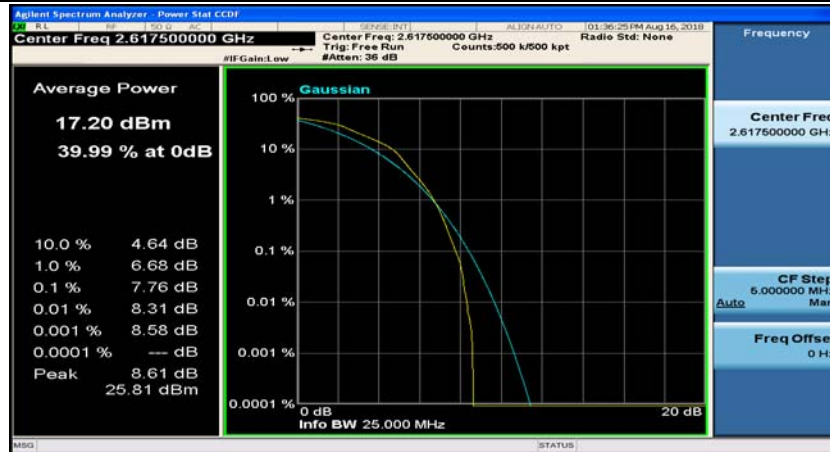
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



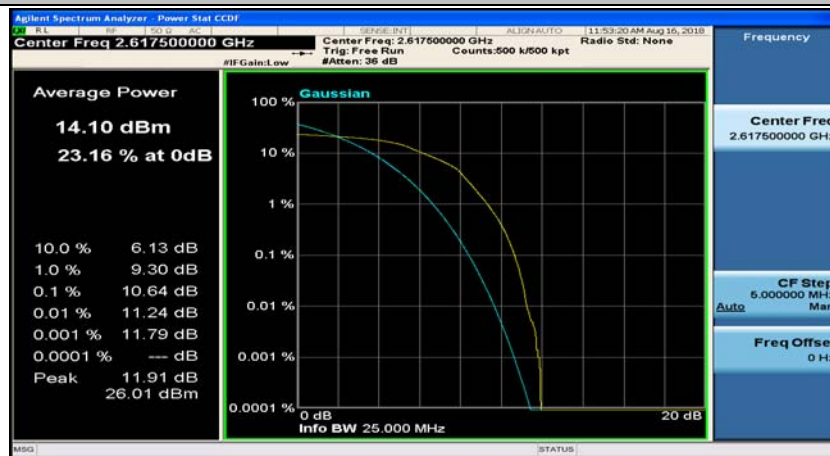
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



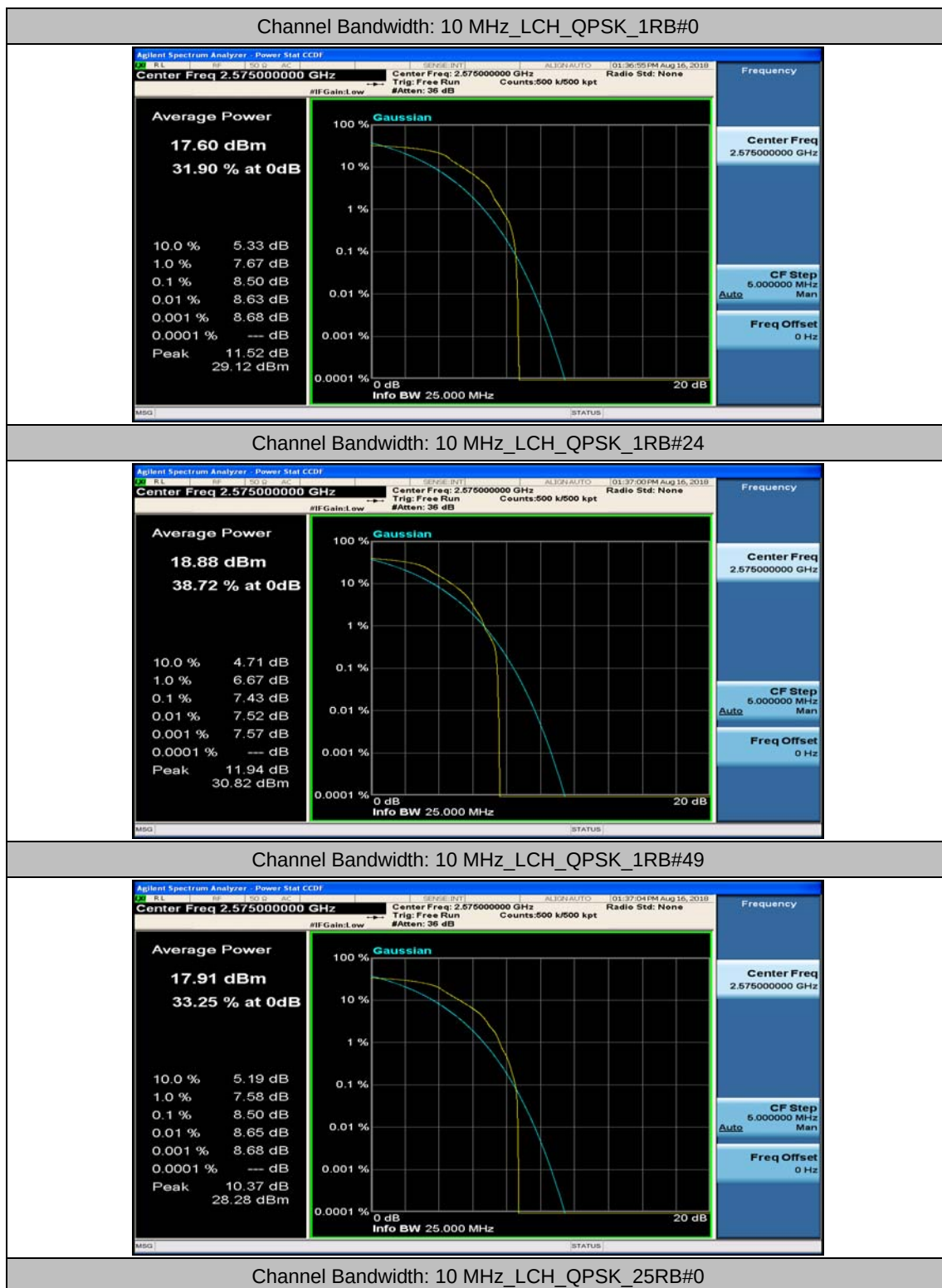
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

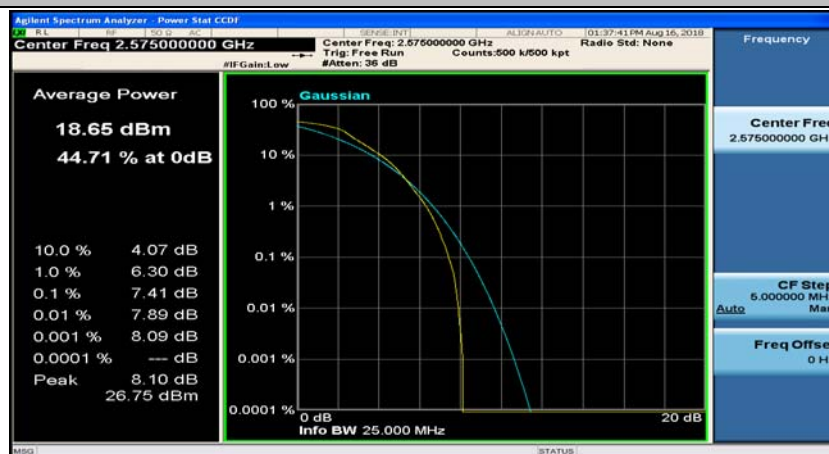
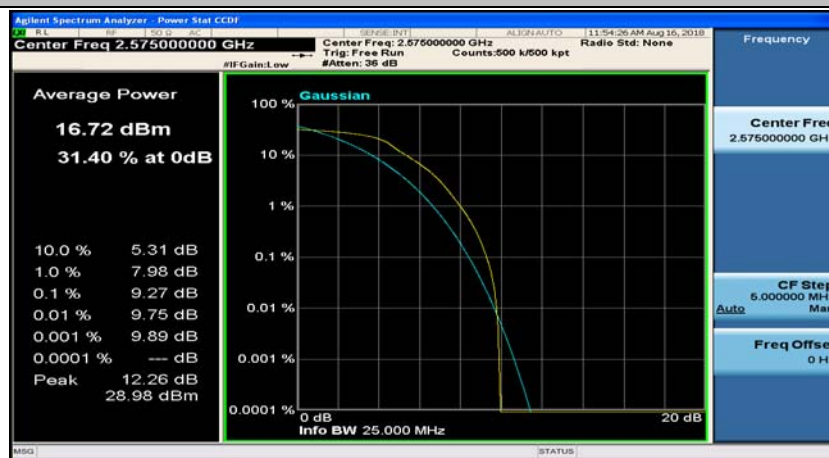
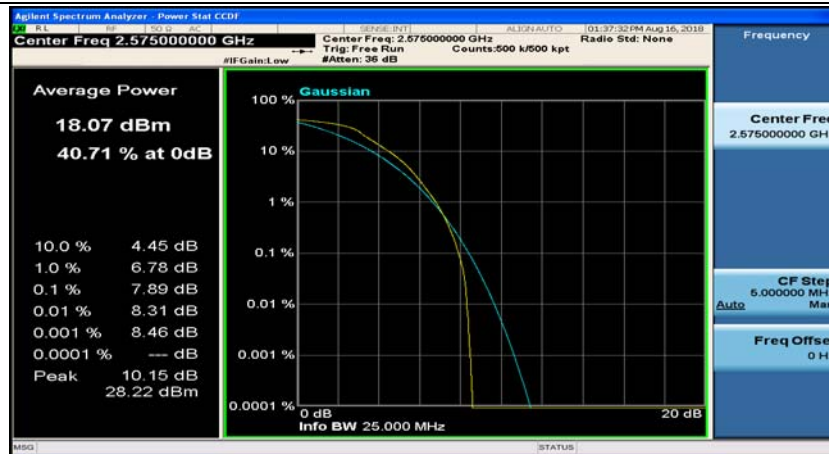


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz







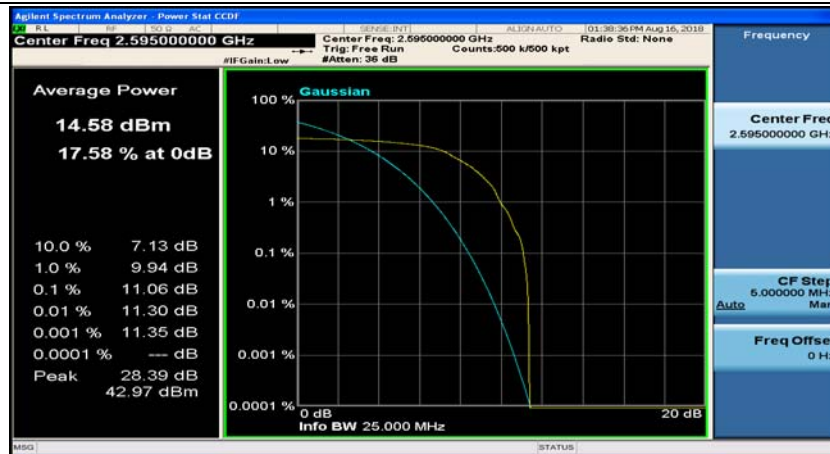
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



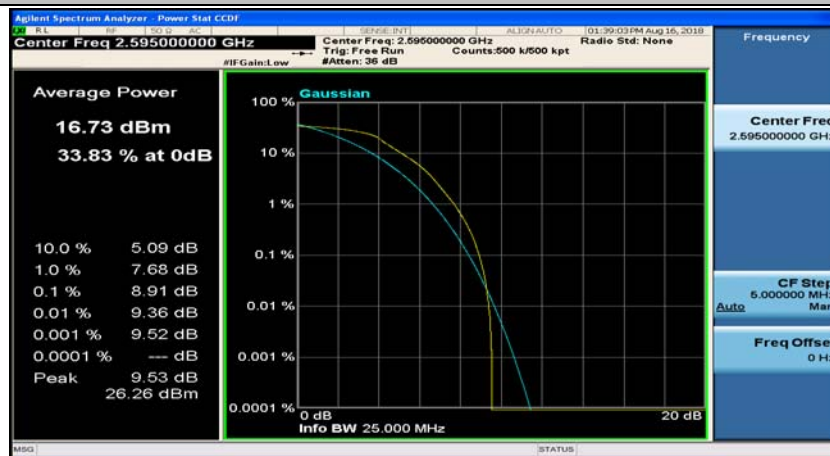
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



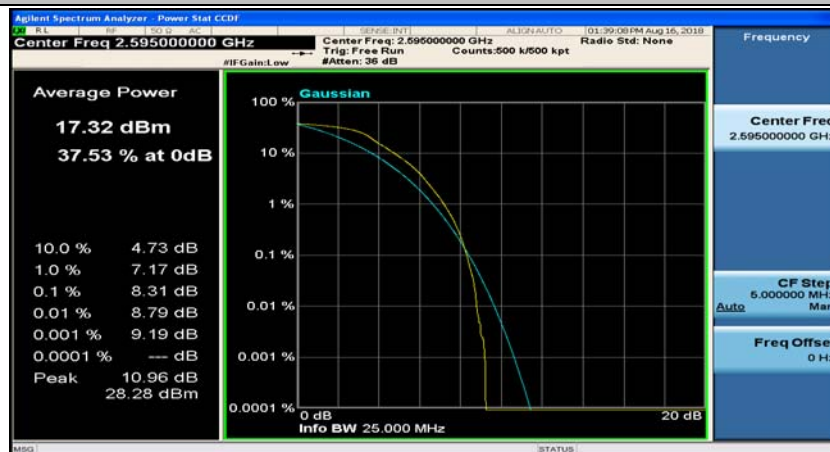
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



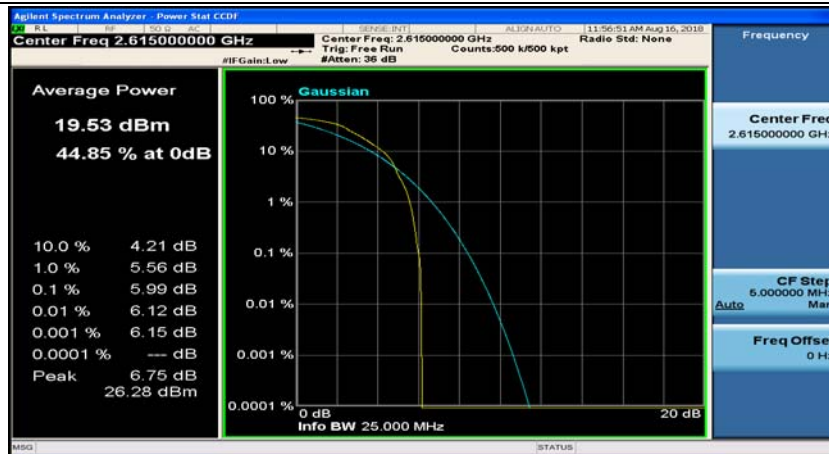
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



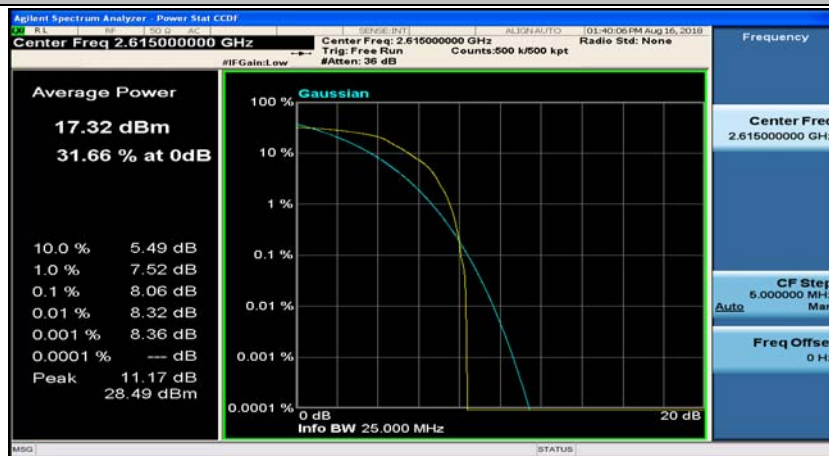
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



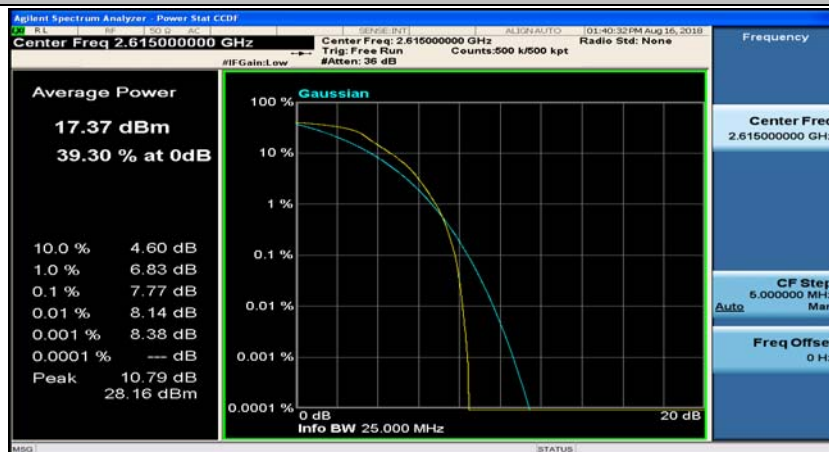
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



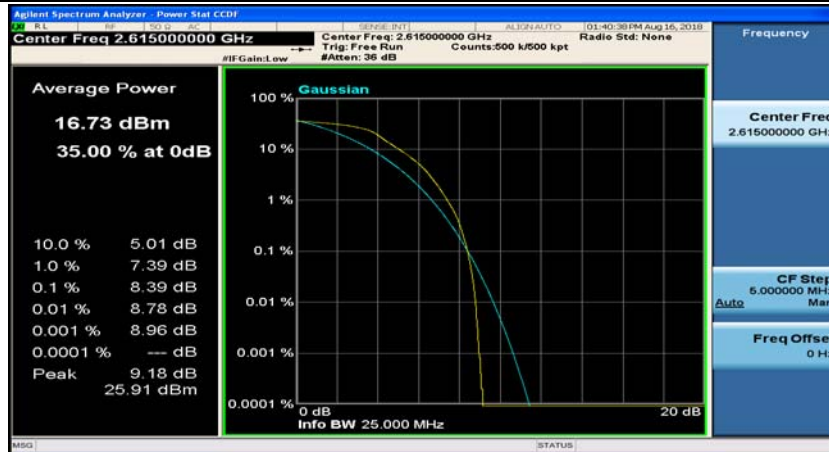
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



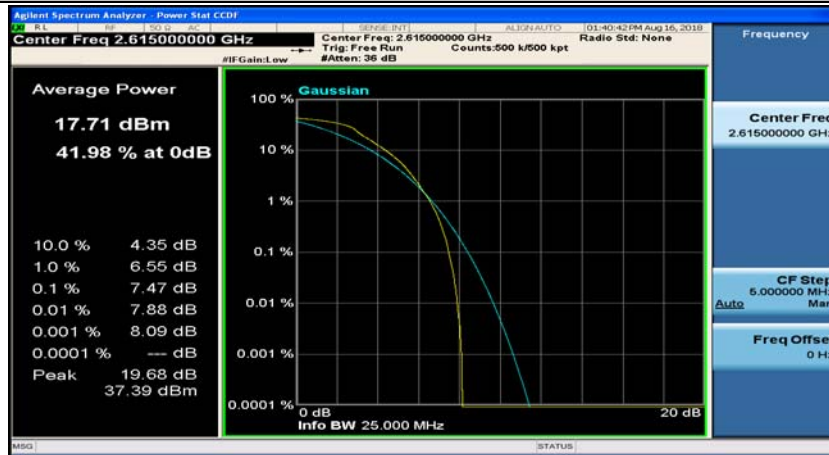
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



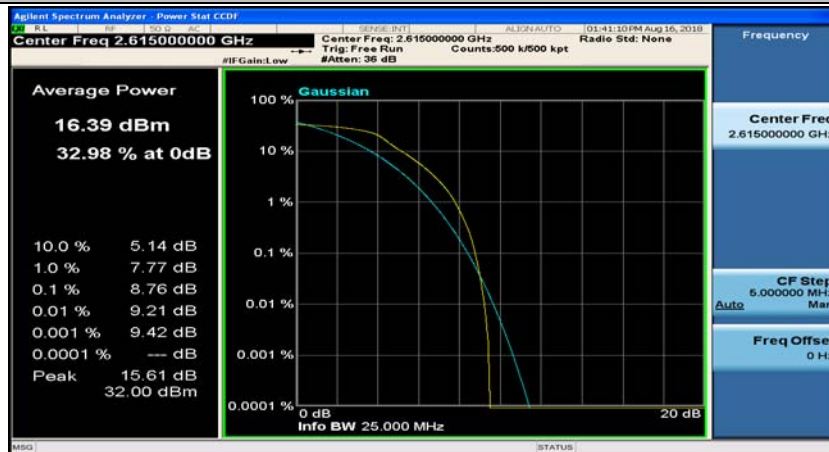
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



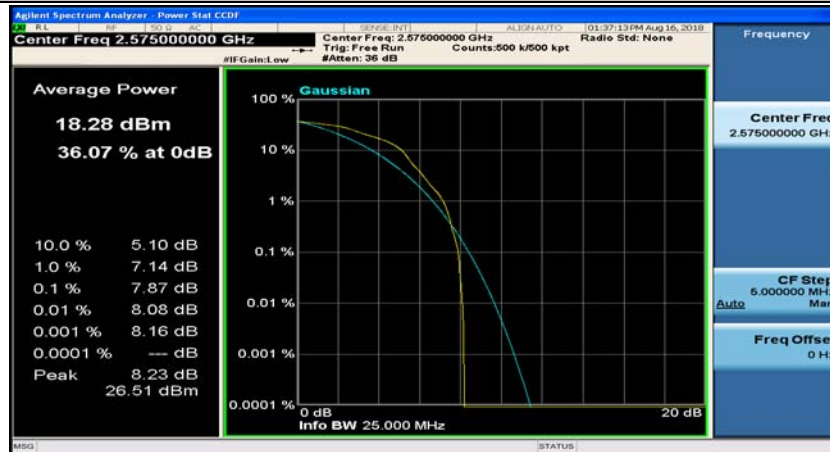
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



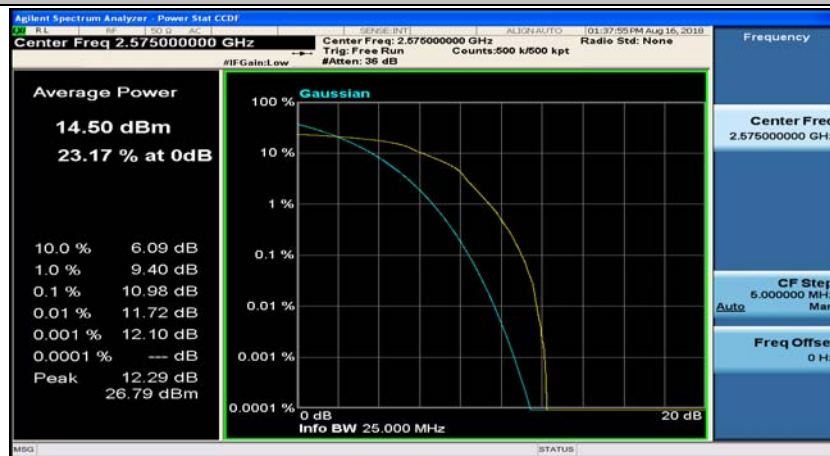
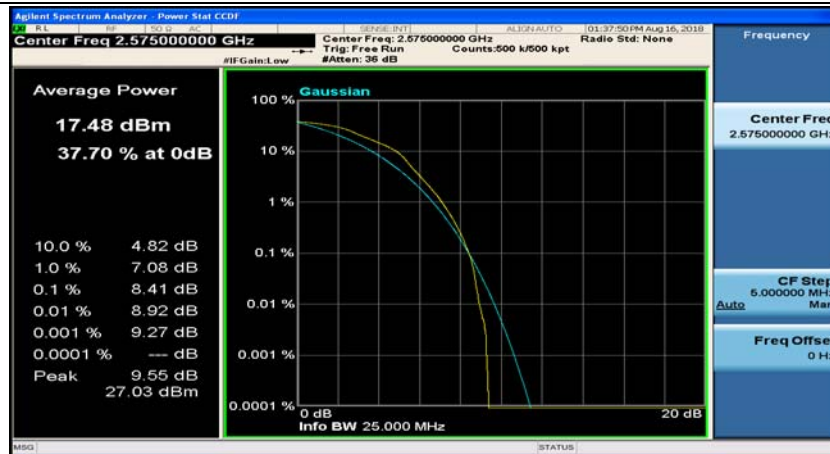
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

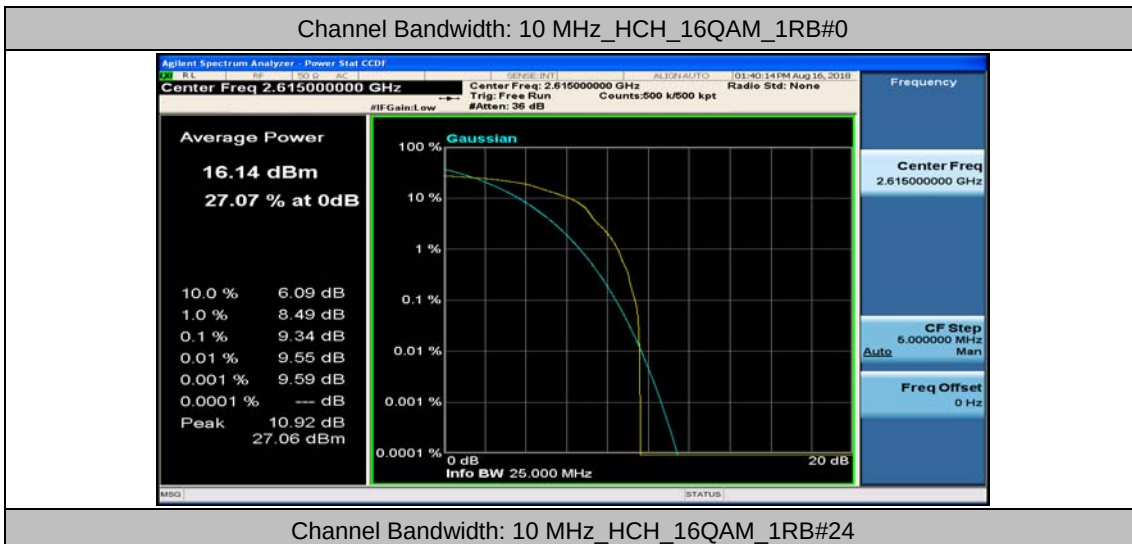


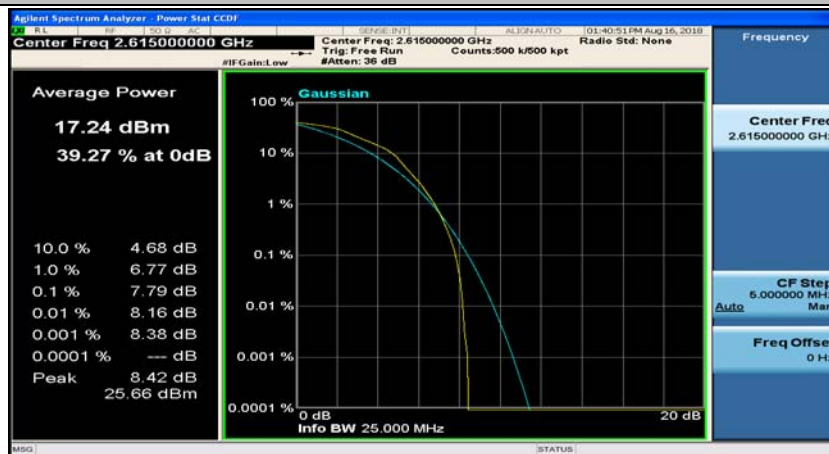
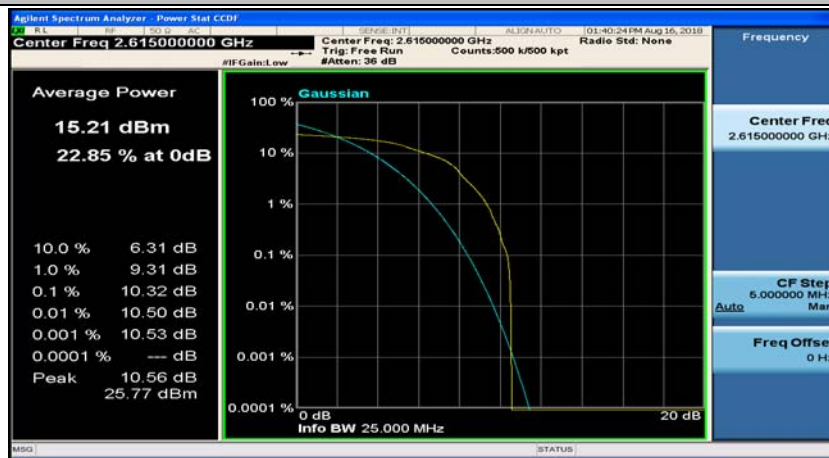
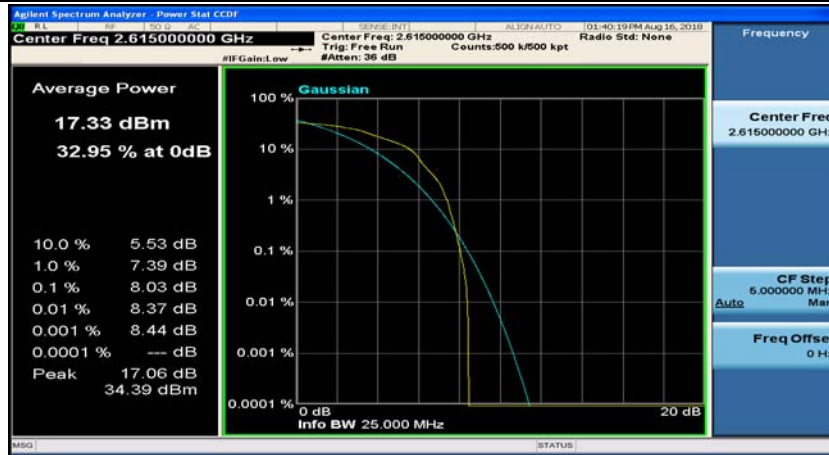
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

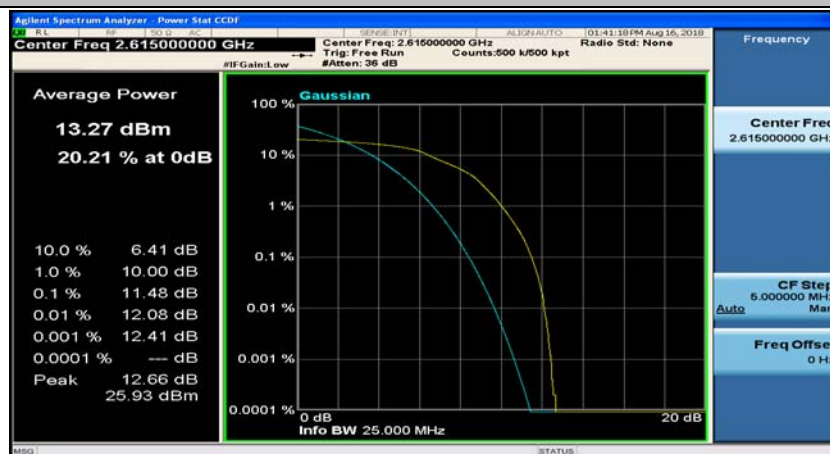
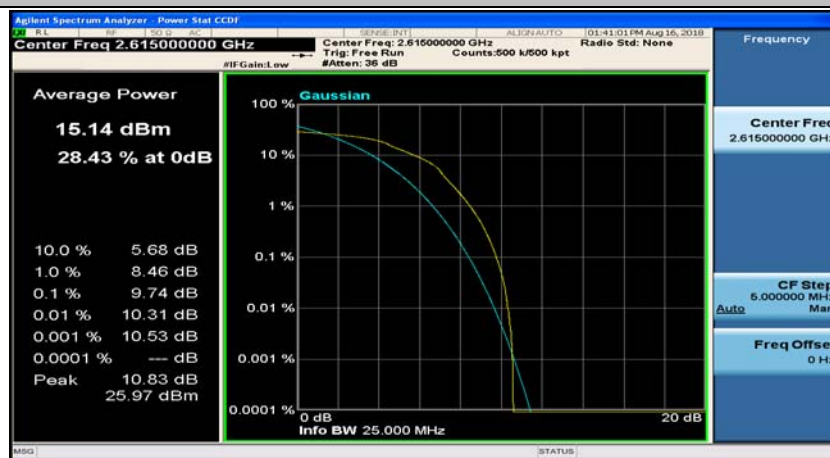
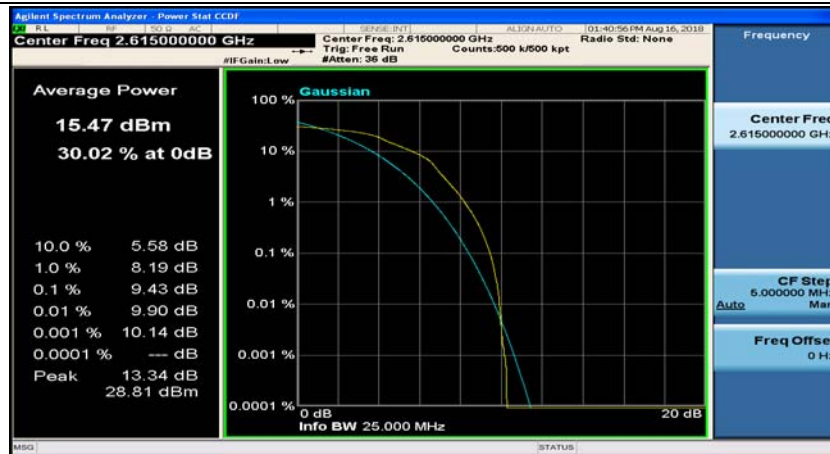


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



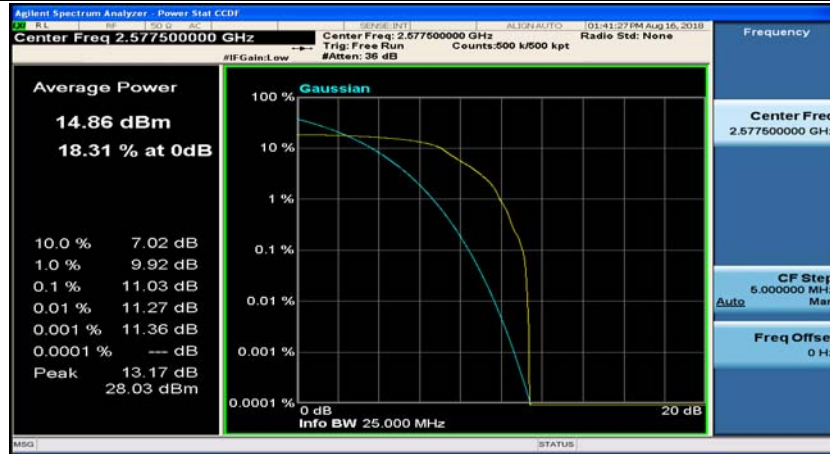




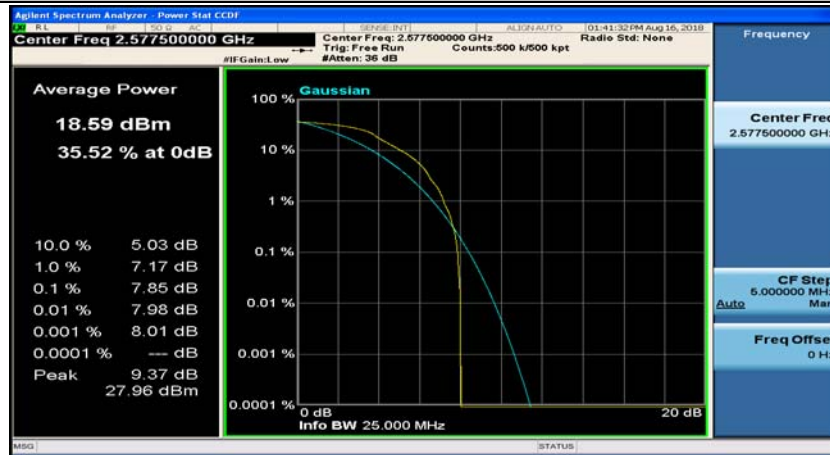


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



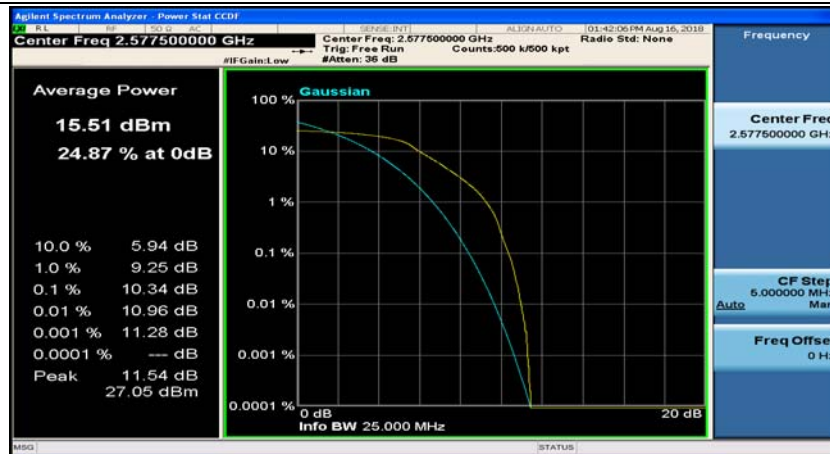
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



(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



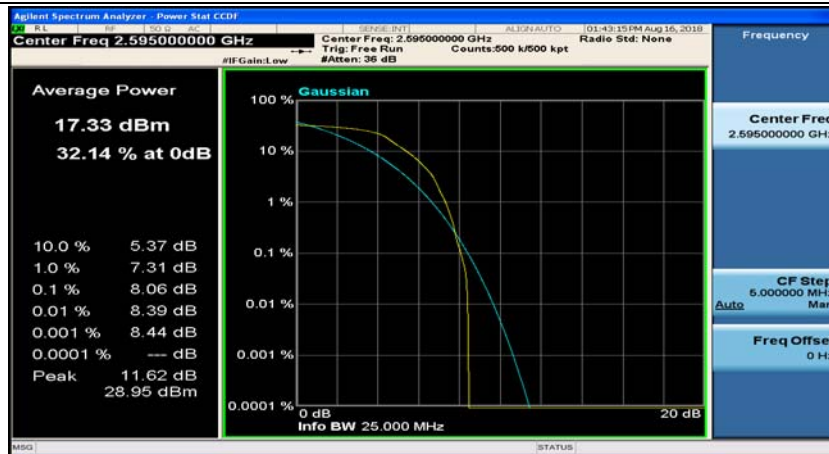
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



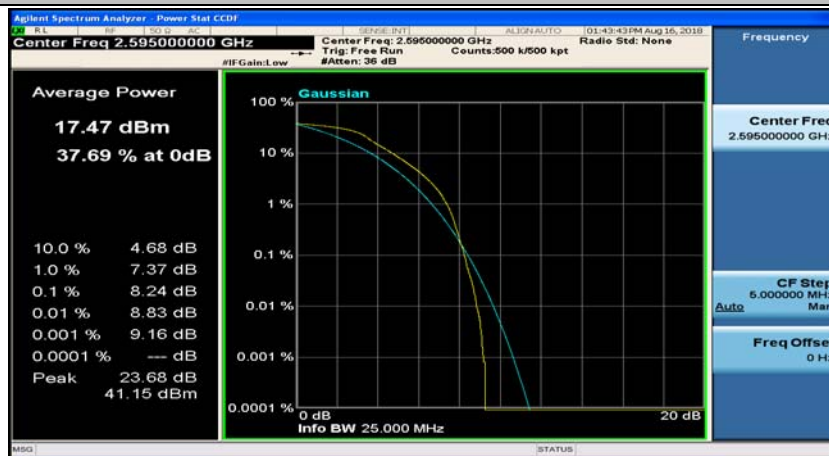
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



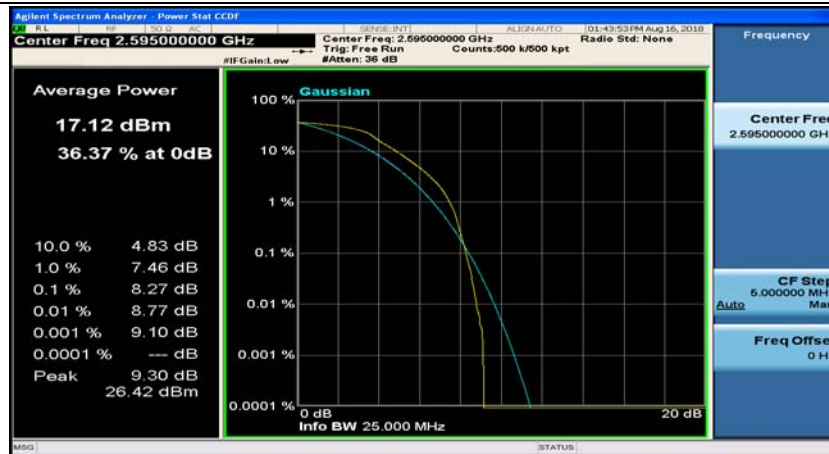
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



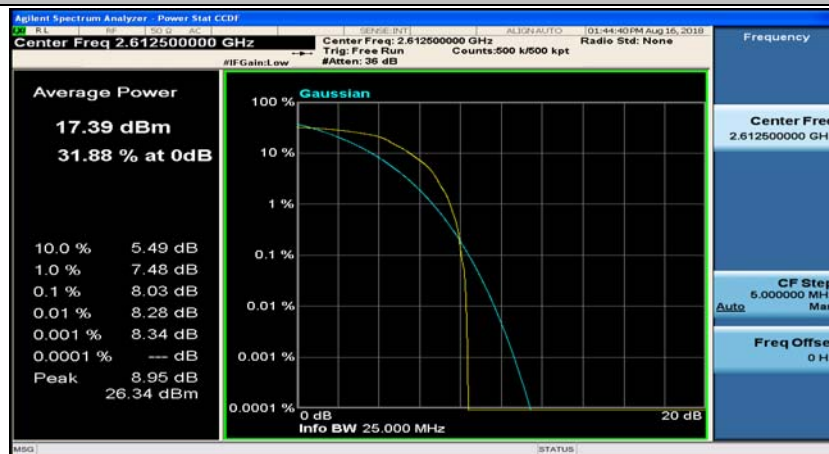
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



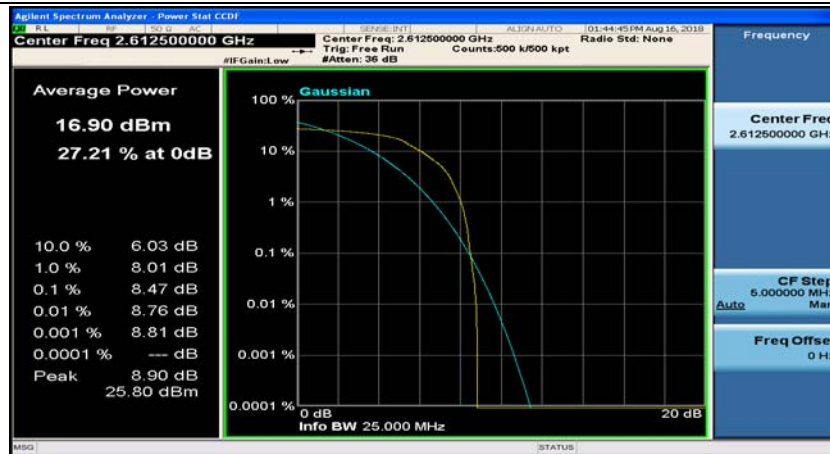
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



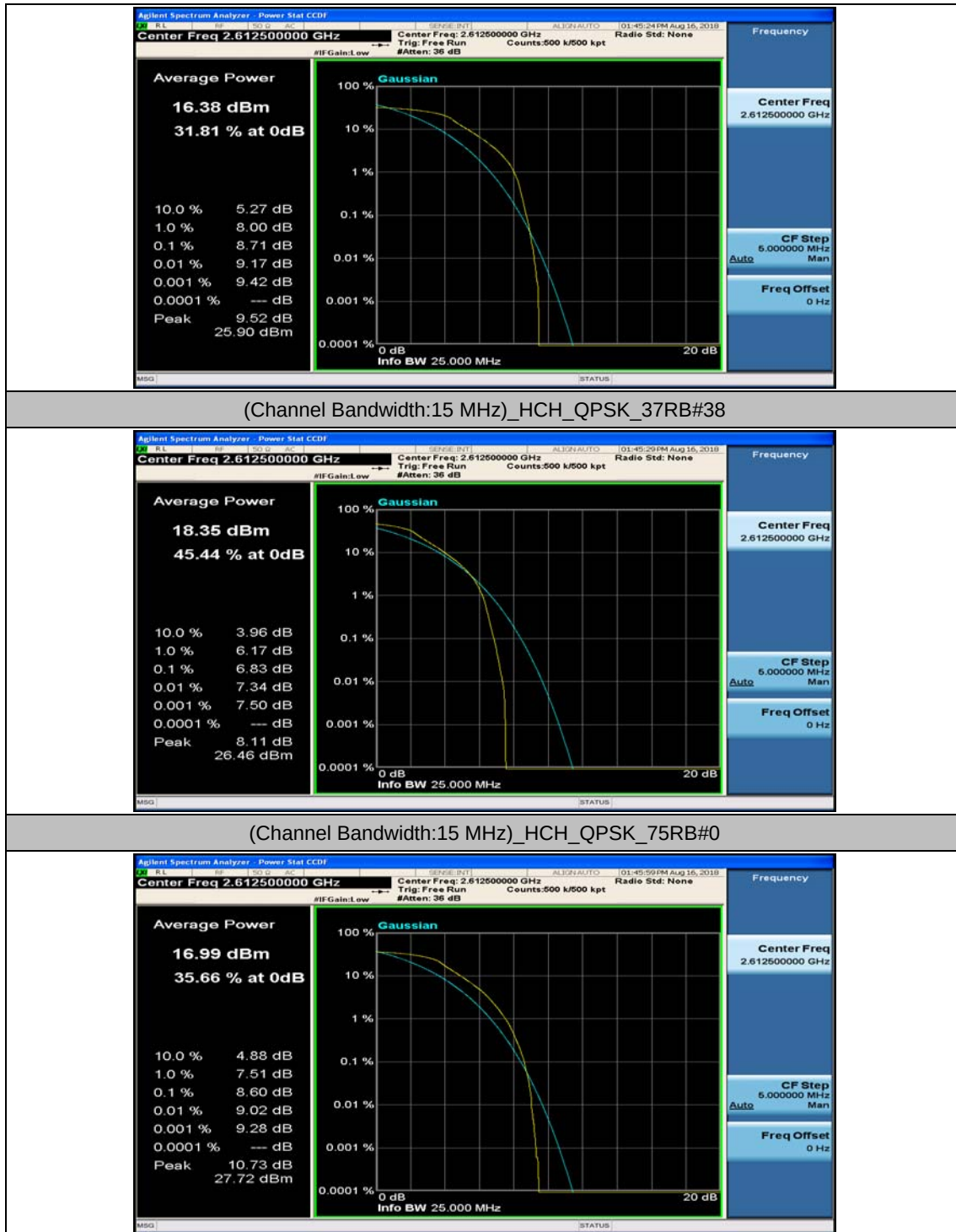
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



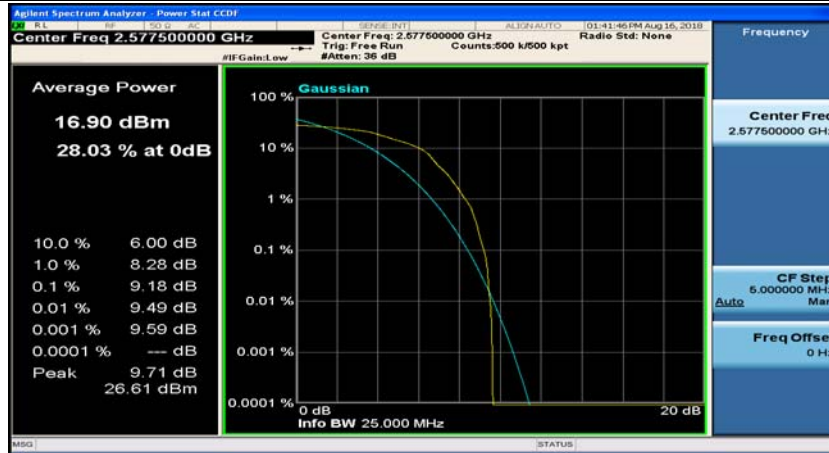
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



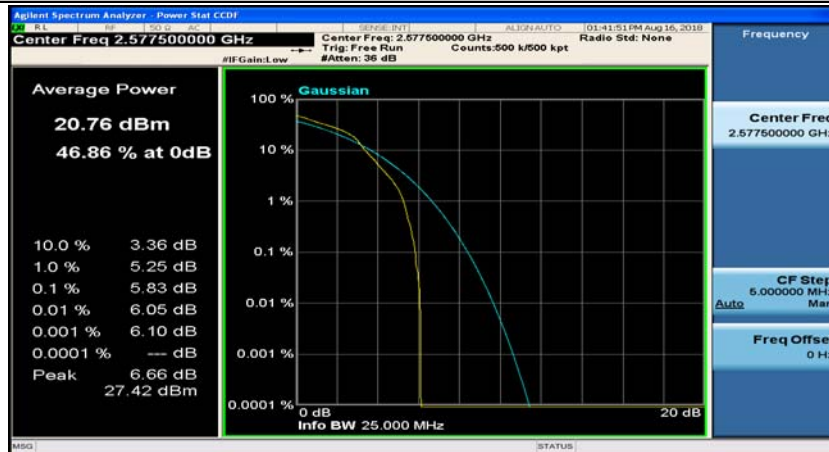
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



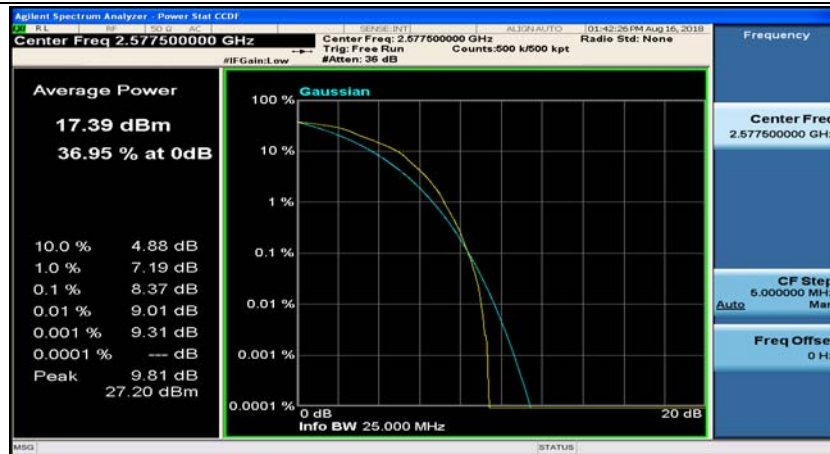
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



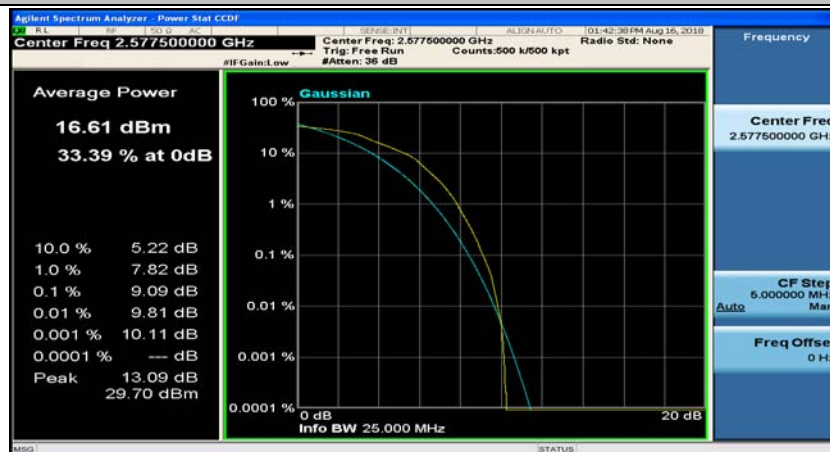
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



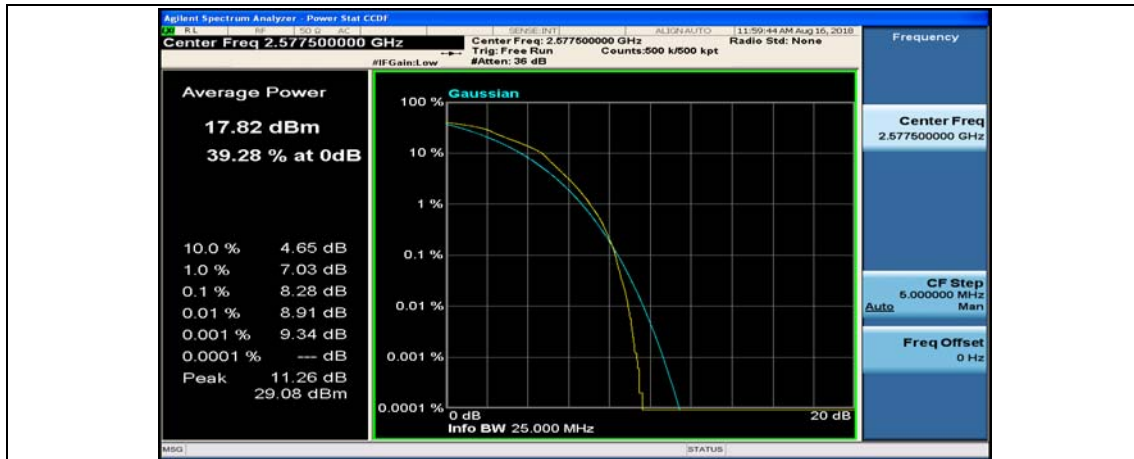
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



(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



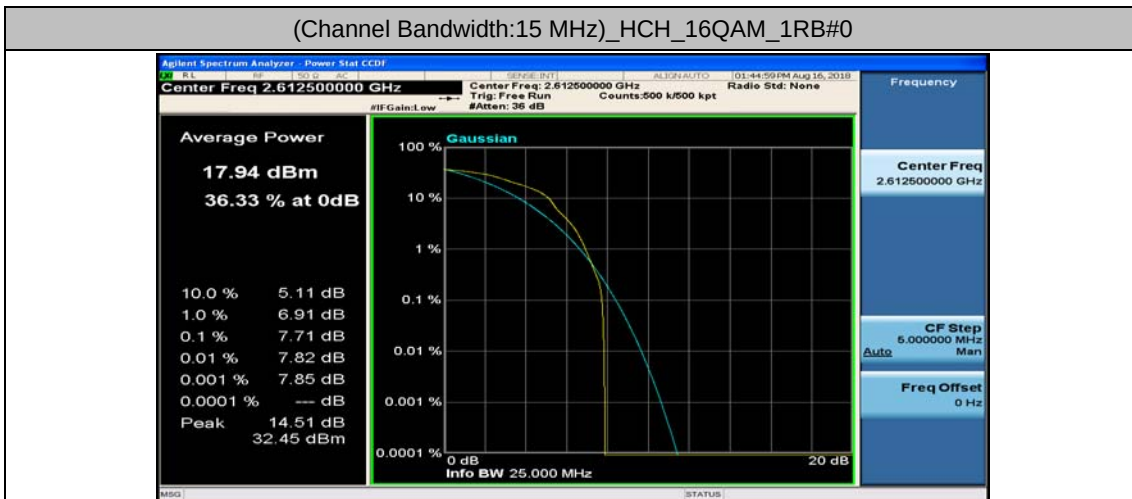
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38



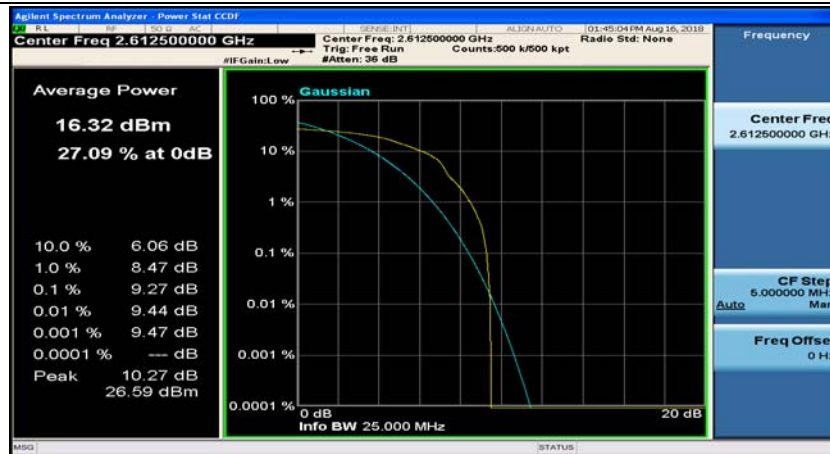
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



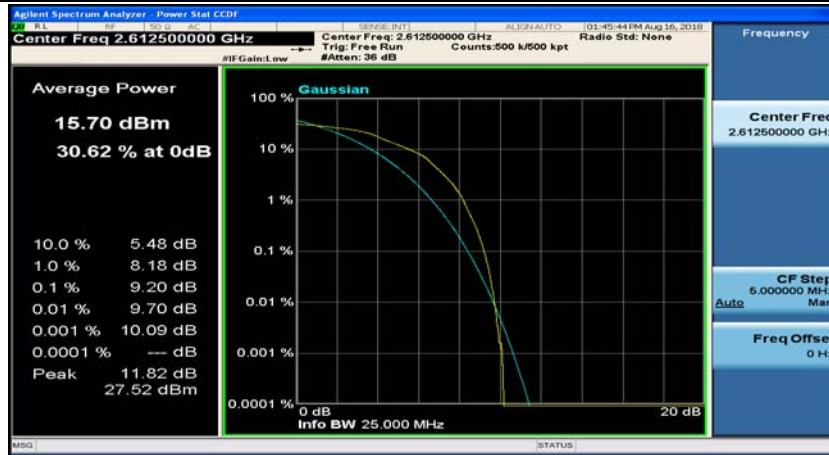
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



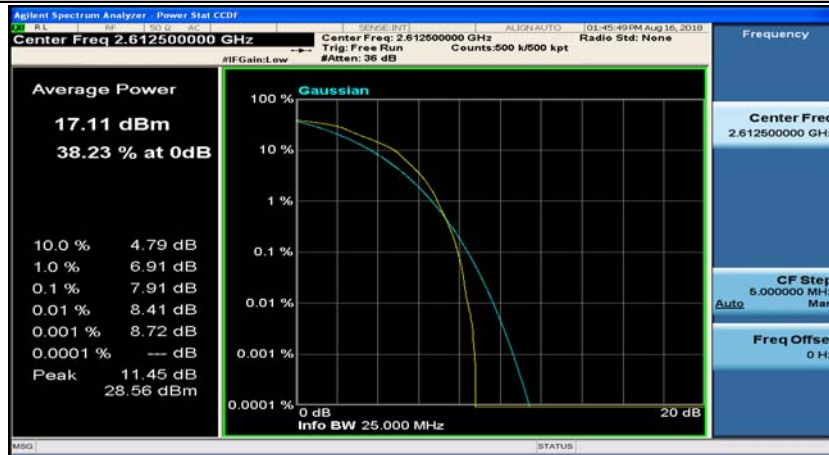
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



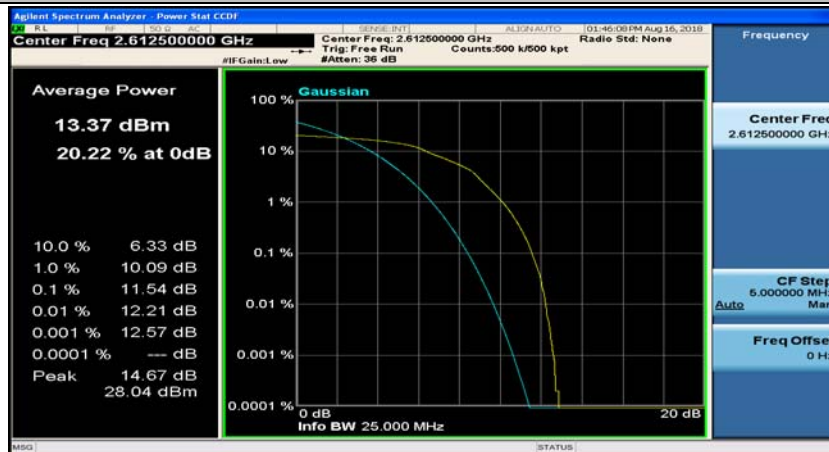
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

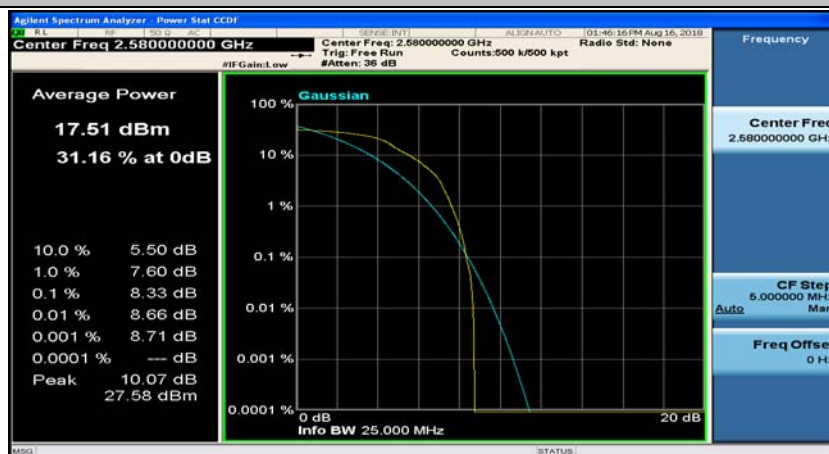


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0



Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0