

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	22.66	PASS
		1	12	22.45	PASS
		1	24	22.58	PASS
		12	0	21.55	PASS
		12	6	21.59	PASS
		12	13	21.51	PASS
		25	0	21.5	PASS
	MCH	1	0	21.96	PASS
		1	12	22.37	PASS
		1	24	22.06	PASS
		12	0	20.99	PASS
		12	6	21.06	PASS
		12	13	21.02	PASS
		25	0	21.02	PASS
	HCH	1	0	22.03	PASS
		1	12	22.24	PASS
		1	24	22.06	PASS
		12	0	21.05	PASS
		12	6	21.06	PASS
		12	13	21.03	PASS
		25	0	21.02	PASS
16QAM	LCH	1	0	21.61	PASS
		1	12	21.76	PASS
		1	24	21.47	PASS
		12	0	20.47	PASS
		12	6	20.5	PASS
		12	13	20.42	PASS
		25	0	20.38	PASS
	MCH	1	0	21.07	PASS
		1	12	21.39	PASS
		1	24	21.06	PASS

		12	0	20.65	PASS
		12	6	20.74	PASS
		12	13	20.65	PASS
		25	0	20.62	PASS
	HCH	1	0	21.11	PASS
		1	12	21.4	PASS
		1	24	21.06	PASS
		12	0	20.36	PASS
		12	6	20.58	PASS
		12	13	20.73	PASS
		25	0	20.68	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.39	PASS
		1	24	22.32	PASS
		1	49	22.31	PASS
		25	0	21.55	PASS
		25	12	21.54	PASS
		25	25	21.41	PASS
		50	0	21.45	PASS
	MCH	1	0	22.01	PASS
		1	24	22.22	PASS
		1	49	22.14	PASS
		25	0	21.07	PASS
		25	12	21.05	PASS
		25	25	21.06	PASS
		50	0	20.98	PASS
	HCH	1	0	22.11	PASS
		1	24	22.12	PASS
		1	49	22	PASS
		25	0	21.15	PASS
		25	12	21.13	PASS
		25	25	21.15	PASS
		50	0	21.16	PASS
16QAM	LCH	1	0	21.67	PASS
		1	24	21.61	PASS
		1	49	21.39	PASS
		25	0	20.43	PASS
		25	12	20.37	PASS
		25	25	20.69	PASS

	MCH	50	0	20.35	PASS
		1	0	21.25	PASS
		1	24	21.33	PASS
		1	49	21.2	PASS
		25	0	20.68	PASS
		25	12	20.71	PASS
		25	25	20.65	PASS
		50	0	20.65	PASS
	HCH	1	0	21.3	PASS
		1	24	21.32	PASS
		1	49	21.09	PASS
		25	0	20.59	PASS
		25	12	20.96	PASS
		25	25	20.74	PASS
		50	0	20.97	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.39	PASS
		1	37	22.19	PASS
		1	74	22.15	PASS
		37	0	21.56	PASS
		37	18	21.53	PASS
		37	38	21.58	PASS
		75	0	21.56	PASS
	MCH	1	0	22	PASS
		1	37	22.35	PASS
		1	74	22.21	PASS
		37	0	21.02	PASS
		37	18	21.21	PASS
		37	38	21.23	PASS
		75	0	21.22	PASS
	HCH	1	0	22.08	PASS
		1	37	22.07	PASS
		1	74	22.1	PASS
		37	0	21.17	PASS
		37	18	21.18	PASS
		37	38	21.24	PASS
		75	0	21.24	PASS
16QAM	LCH	1	0	21.61	PASS
		1	37	21.56	PASS

		1	74	21.26	PASS
		37	0	20.61	PASS
		37	18	20.48	PASS
		37	38	20.35	PASS
		75	0	20.49	PASS
	MCH	1	0	21.21	PASS
		1	37	21.37	PASS
		1	74	21.1	PASS
		37	0	20.68	PASS
		37	18	20.46	PASS
		37	38	20.36	PASS
		75	0	20.65	PASS
	HCH	1	0	21.23	PASS
		1	37	21.42	PASS
		1	74	21	PASS
		37	0	20.65	PASS
		37	18	20.42	PASS
		37	38	20.65	PASS
		75	0	20.69	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.67	PASS
		1	49	22.26	PASS
		1	99	22.03	PASS
		50	0	21.64	PASS
		50	25	21.63	PASS
		50	50	21.62	PASS
		100	0	21.63	PASS
	MCH	1	0	21.92	PASS
		1	49	22.38	PASS
		1	99	22.03	PASS
		50	0	20.91	PASS
		50	25	21.04	PASS
		50	50	20.95	PASS
		100	0	20.89	PASS
	HCH	1	0	21.78	PASS
		1	49	21.98	PASS
		1	99	21.94	PASS
		50	0	21.09	PASS
		50	25	21.13	PASS

		50	50	21.15	PASS
		100	0	21.11	PASS
16QAM	LCH	1	0	21.47	PASS
		1	49	21.53	PASS
		1	99	21.12	PASS
		50	0	20.4	PASS
		50	25	20.39	PASS
		50	50	20.76	PASS
		100	0	20.69	PASS
		MCH	1	0	21.17
	1		49	21.39	PASS
	1		99	21.09	PASS
	50		0	20.87	PASS
	50		25	20.85	PASS
	50		50	20.68	PASS
	100		0	20.83	PASS
	HCH	1	0	20.89	PASS
		1	49	21.33	PASS
		1	99	20.84	PASS
		50	0	20.65	PASS
		50	25	20.72	PASS
		50	50	20.69	PASS
		100	0	20.56	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	1.79	<13	PASS
		1	12	1.71	<13	PASS
		1	24	1.81	<13	PASS
		12	0	2.81	<13	PASS
		12	6	2.77	<13	PASS
		12	13	2.8	<13	PASS
		25	0	2.86	<13	PASS
	MCH	1	0	2.9	<13	PASS
		1	12	2.35	<13	PASS
		1	24	2.35	<13	PASS
		12	0	4.06	<13	PASS
		12	6	3.86	<13	PASS
		12	13	3.82	<13	PASS
		25	0	3.97	<13	PASS
	HCH	1	0	3.19	<13	PASS
		1	12	2.7	<13	PASS
		1	24	2.37	<13	PASS
		12	0	4.4	<13	PASS
		12	6	4.1	<13	PASS
		12	13	3.85	<13	PASS
		25	0	4.12	<13	PASS
16QAM	LCH	1	0	2.83	<13	PASS
		1	12	2.63	<13	PASS
		1	24	2.74	<13	PASS
		12	0	3.94	<13	PASS
		12	6	3.87	<13	PASS
		12	13	3.9	<13	PASS
		25	0	4	<13	PASS
	MCH	1	0	3.72	<13	PASS
		1	12	3.49	<13	PASS
		1	24	3.4	<13	PASS

		12	0	5.05	<13	PASS
		12	6	4.88	<13	PASS
		12	13	4.8	<13	PASS
		25	0	4.96	<13	PASS
	HCH	1	0	4.17	<13	PASS
		1	12	3.69	<13	PASS
		1	24	3.45	<13	PASS
		12	0	5.26	<13	PASS
		12	6	5.06	<13	PASS
		12	13	4.82	<13	PASS
		25	0	5.11	<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	1.69	<13	PASS
		1	24	1.73	<13	PASS
		1	49	2.16	<13	PASS
		25	0	2.7	<13	PASS
		25	12	2.73	<13	PASS
		25	25	2.93	<13	PASS
		50	0	2.96	<13	PASS
	MCH	1	0	3.03	<13	PASS
		1	24	2.28	<13	PASS
		1	49	2.04	<13	PASS
		25	0	4.18	<13	PASS
		25	12	3.87	<13	PASS
		25	25	3.67	<13	PASS
		50	0	4.04	<13	PASS
	HCH	1	0	3.43	<13	PASS
		1	24	3.16	<13	PASS
		1	49	2.41	<13	PASS
		25	0	4.72	<13	PASS
		25	12	4.51	<13	PASS
		25	25	4.04	<13	PASS
		50	0	4.47	<13	PASS
16QAM	LCH	1	0	2.64	<13	PASS
		1	24	2.61	<13	PASS
		1	49	3.05	<13	PASS
		25	0	3.84	<13	PASS

		25	12	3.85	<13	PASS	
		25	25	4.02	<13	PASS	
		50	0	4.01	<13	PASS	
	MCH	1	0	4.16	<13	PASS	
		1	24	3.62	<13	PASS	
		1	49	3.35	<13	PASS	
		25	0	5.23	<13	PASS	
		25	12	4.93	<13	PASS	
		25	25	4.68	<13	PASS	
		50	0	5.07	<13	PASS	
		HCH	1	0	4.35	<13	PASS
			1	24	4.05	<13	PASS
	1		49	3.24	<13	PASS	
	25		0	5.63	<13	PASS	
	25		12	5.48	<13	PASS	
	25		25	5.08	<13	PASS	
	50		0	5.44	<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	1.65	<13	PASS
		1	37	2.01	<13	PASS
		1	74	2.85	<13	PASS
		37	0	2.47	<13	PASS
		37	18	2.73	<13	PASS
		37	38	3.25	<13	PASS
		75	0	3.53	<13	PASS
	MCH	1	0	3.31	<13	PASS
		1	37	2.23	<13	PASS
		1	74	2.01	<13	PASS
		37	0	4.31	<13	PASS
		37	18	3.73	<13	PASS
		37	38	3.39	<13	PASS
		75	0	4.28	<13	PASS
	HCH	1	0	3.26	<13	PASS
		1	37	3.43	<13	PASS
		1	74	2.22	<13	PASS
		37	0	4.7	<13	PASS
		37	18	4.7	<13	PASS

		37	38	4.26	<13	PASS
		75	0	4.81	<13	PASS
16QAM	LCH	1	0	2.75	<13	PASS
		1	37	2.8	<13	PASS
		1	74	3.79	<13	PASS
		37	0	3.71	<13	PASS
		37	18	3.85	<13	PASS
		37	38	4.32	<13	PASS
		75	0	4.55	<13	PASS
		MCH	1	0	4.39	<13
	1		37	3.51	<13	PASS
	1		74	3.24	<13	PASS
	37		0	5.42	<13	PASS
	37		18	4.89	<13	PASS
	37		38	4.55	<13	PASS
	75		0	5.26	<13	PASS
	HCH	1	0	4.13	<13	PASS
		1	37	4.25	<13	PASS
		1	74	3.33	<13	PASS
		37	0	5.57	<13	PASS
		37	18	5.62	<13	PASS
		37	38	5.3	<13	PASS
		75	0	5.65	<13	PASS

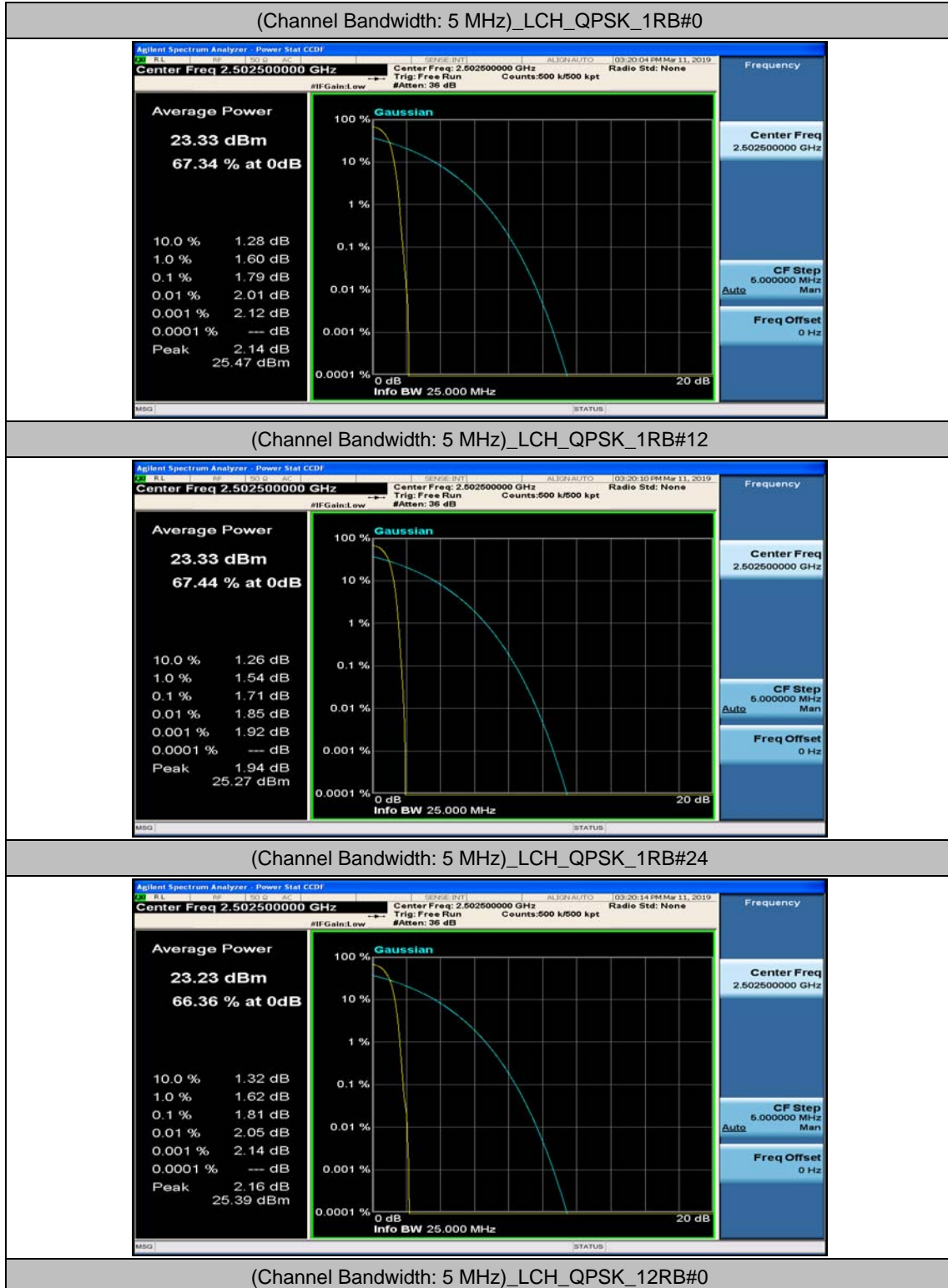
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	1.72	<13	PASS
		1	49	2.22	<13	PASS
		1	99	3.57	<13	PASS
		50	0	3.05	<13	PASS
		50	25	3.31	<13	PASS
		50	50	4.22	<13	PASS
		100	0	4.31	<13	PASS
	MCH	1	0	3.68	<13	PASS
		1	49	2.34	<13	PASS
		1	99	2.15	<13	PASS
		50	0	4.66	<13	PASS
		50	25	3.98	<13	PASS
		50	50	3.77	<13	PASS

	HCH	100	0	4.65	<13	PASS
		1	0	3	<13	PASS
		1	49	3.7	<13	PASS
		1	99	2.47	<13	PASS
		50	0	4.55	<13	PASS
		50	25	4.74	<13	PASS
		50	50	4.64	<13	PASS
		100	0	4.93	<13	PASS
16QAM	LCH	1	0	2.68	<13	PASS
		1	49	2.95	<13	PASS
		1	99	4.28	<13	PASS
		50	0	4.06	<13	PASS
		50	25	4.35	<13	PASS
		50	50	5.13	<13	PASS
		100	0	5.13	<13	PASS
		MCH	1	0	4.48	<13
	1		49	3.55	<13	PASS
	1		99	3.31	<13	PASS
	50		0	5.62	<13	PASS
	50		25	4.99	<13	PASS
	50		50	4.76	<13	PASS
	100		0	5.48	<13	PASS
	HCH		1	0	3.82	<13
		1	49	4.19	<13	PASS
		1	99	3.67	<13	PASS
		50	0	5.41	<13	PASS
		50	25	5.64	<13	PASS
		50	50	5.56	<13	PASS
		100	0	5.75	<13	PASS

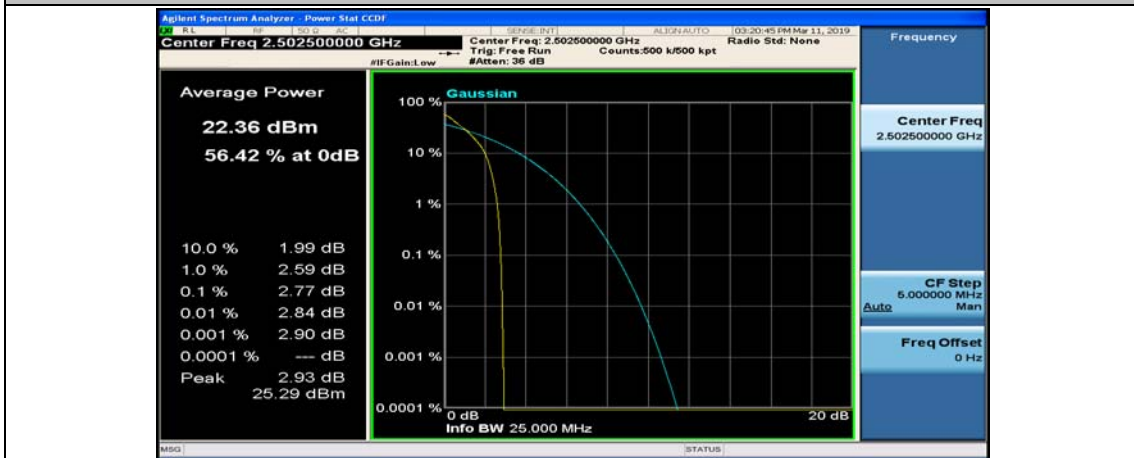
Test Graphs

Channel Bandwidth: 5 MHz





(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



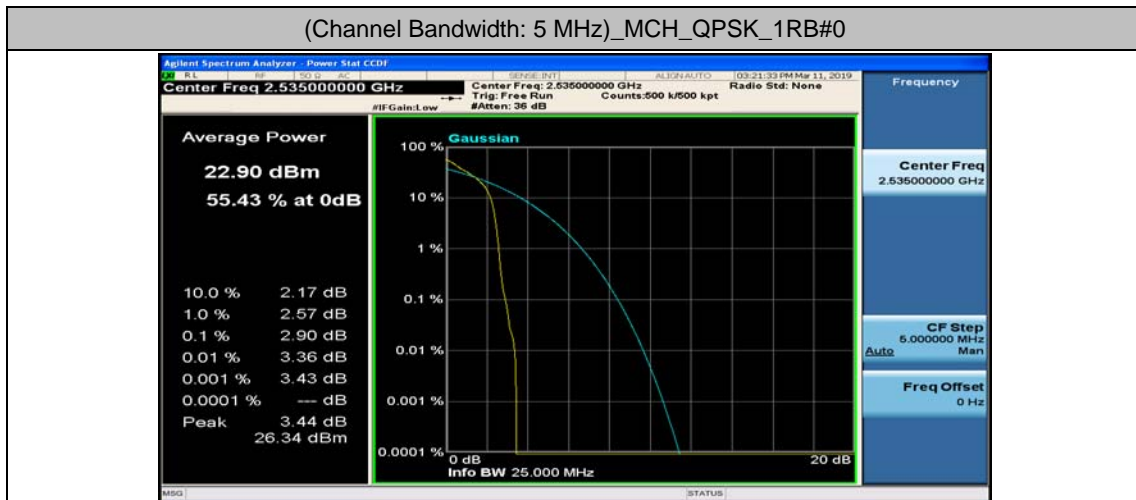
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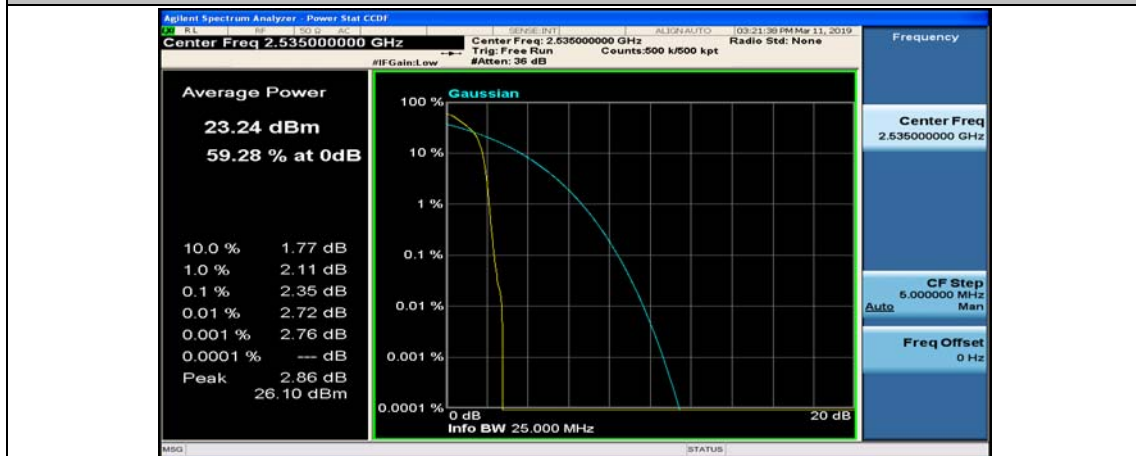
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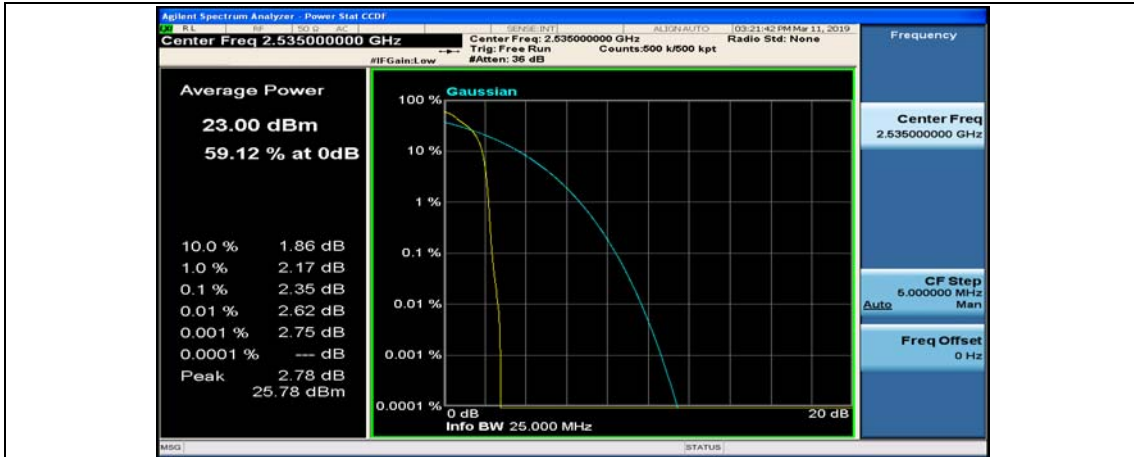
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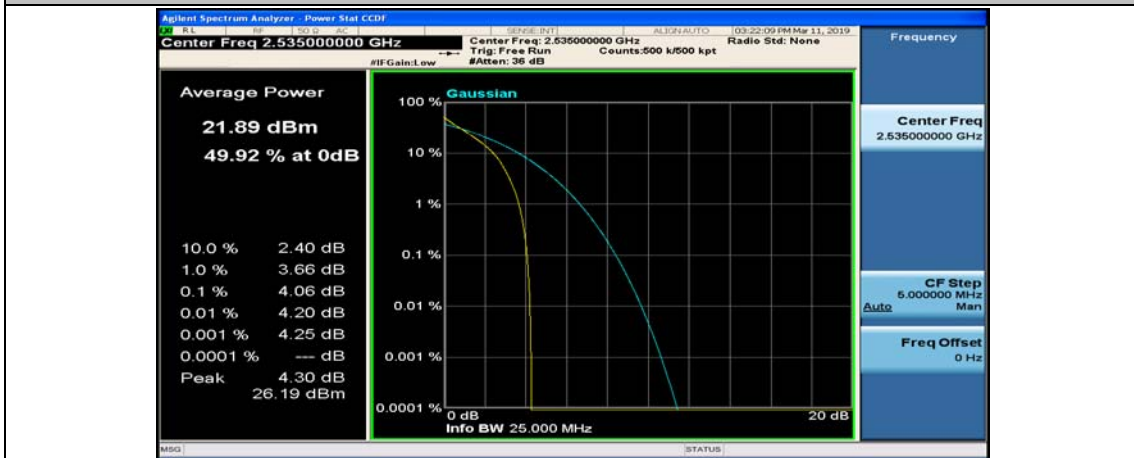
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



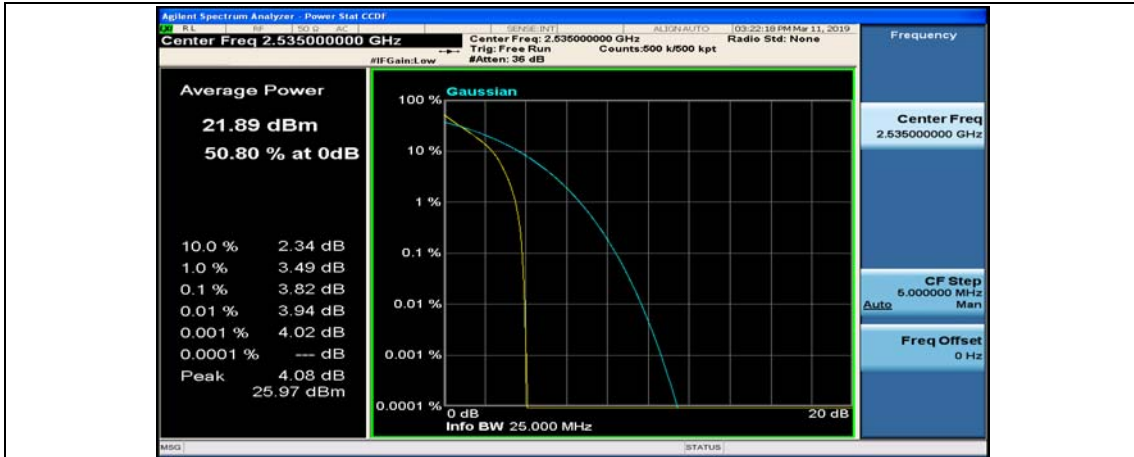
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



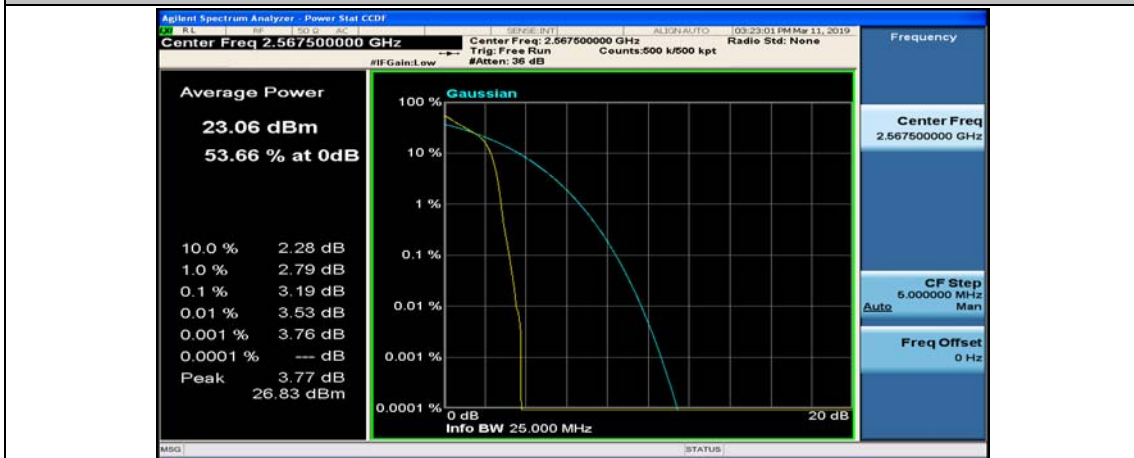
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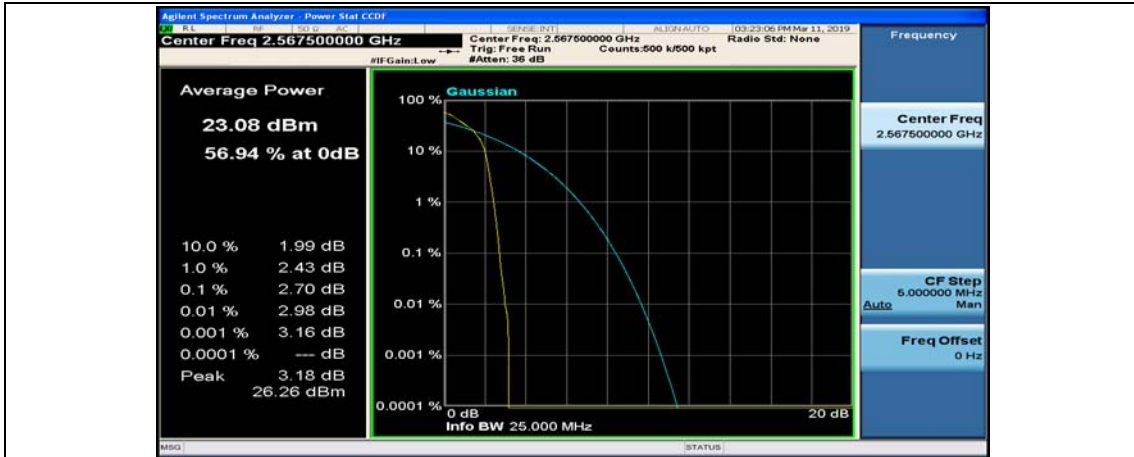
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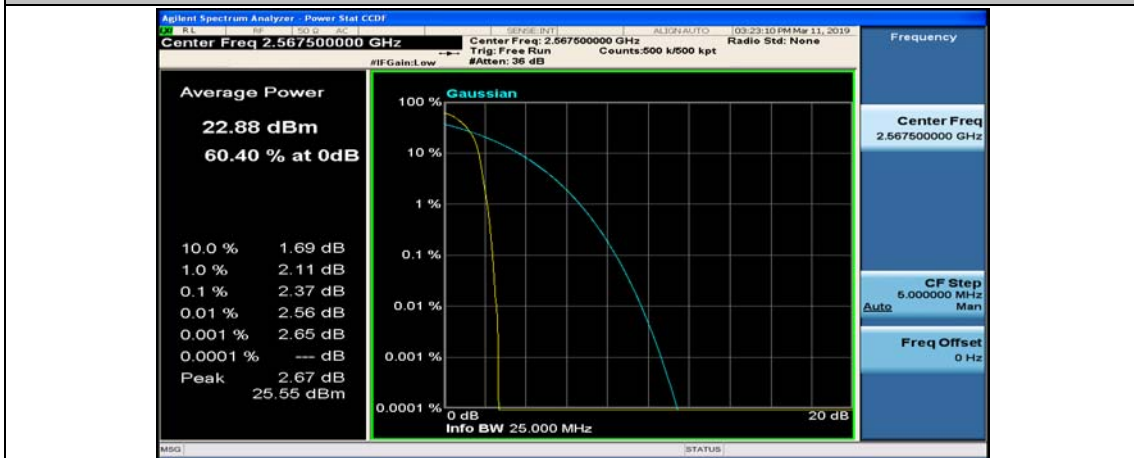
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



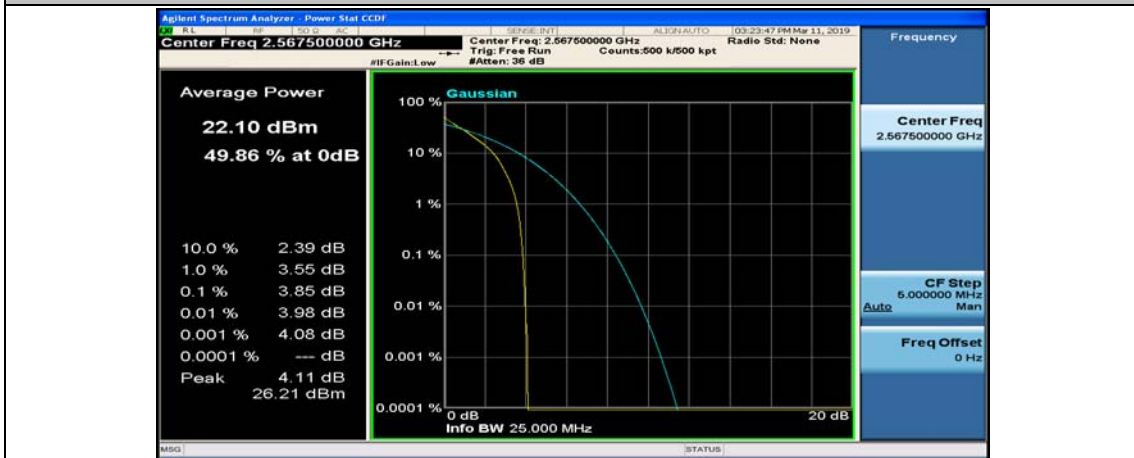
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



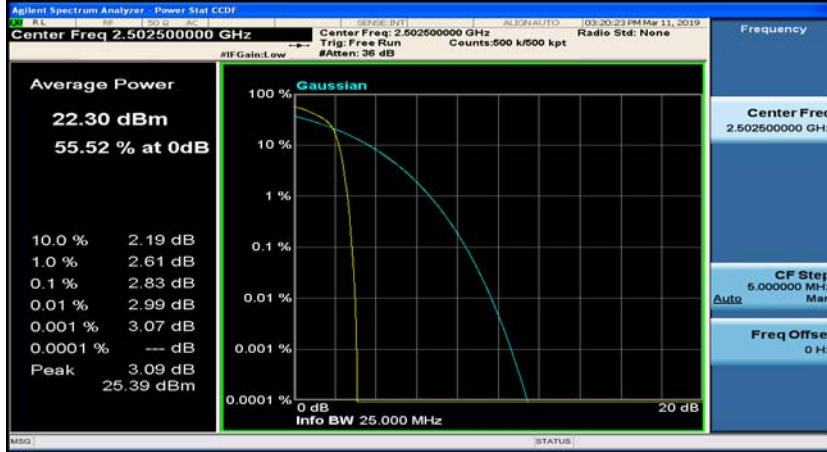
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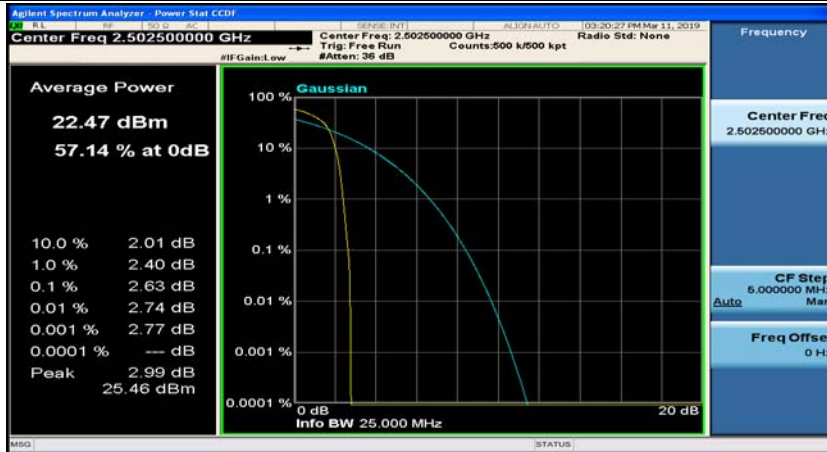
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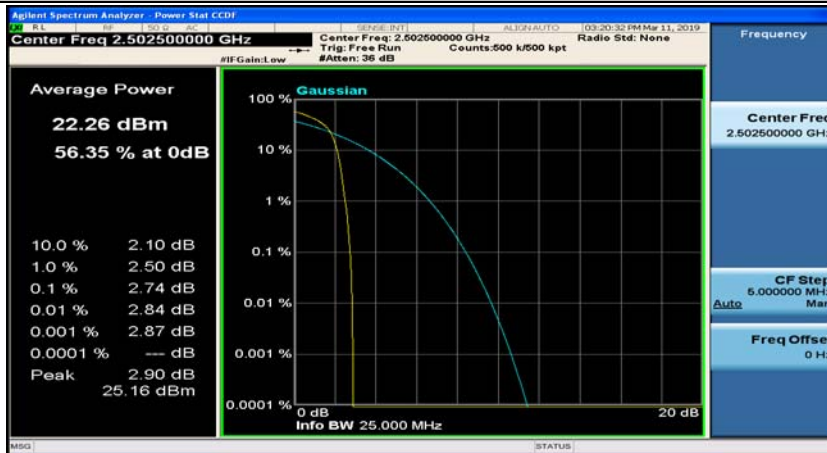
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



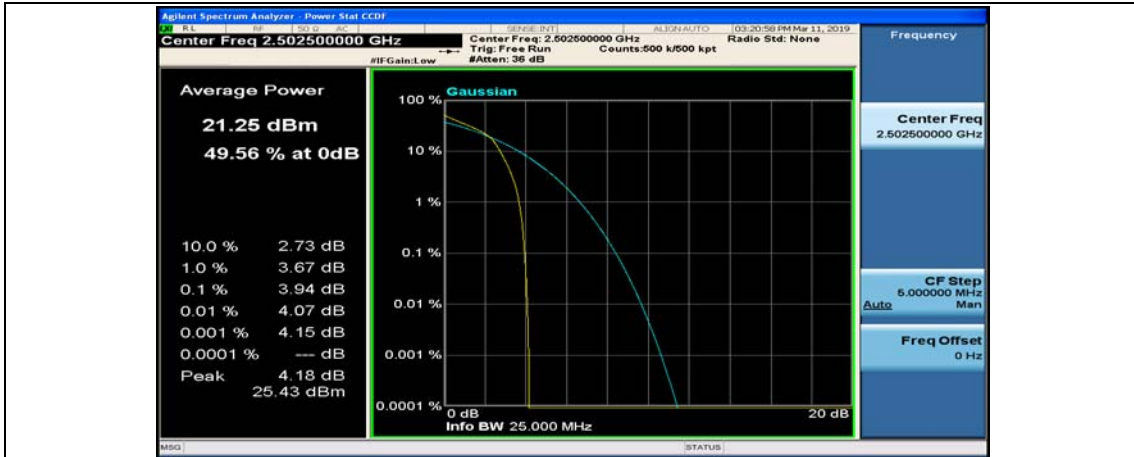
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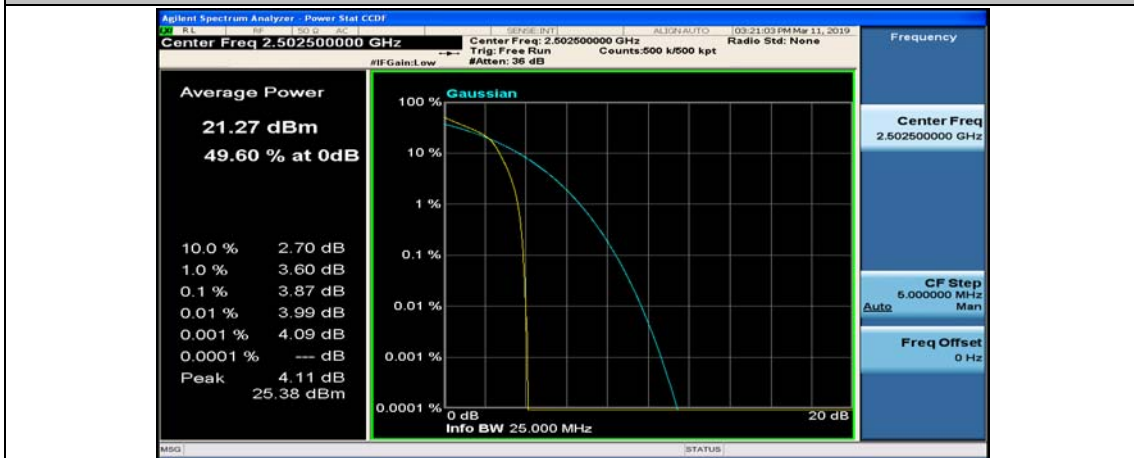
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



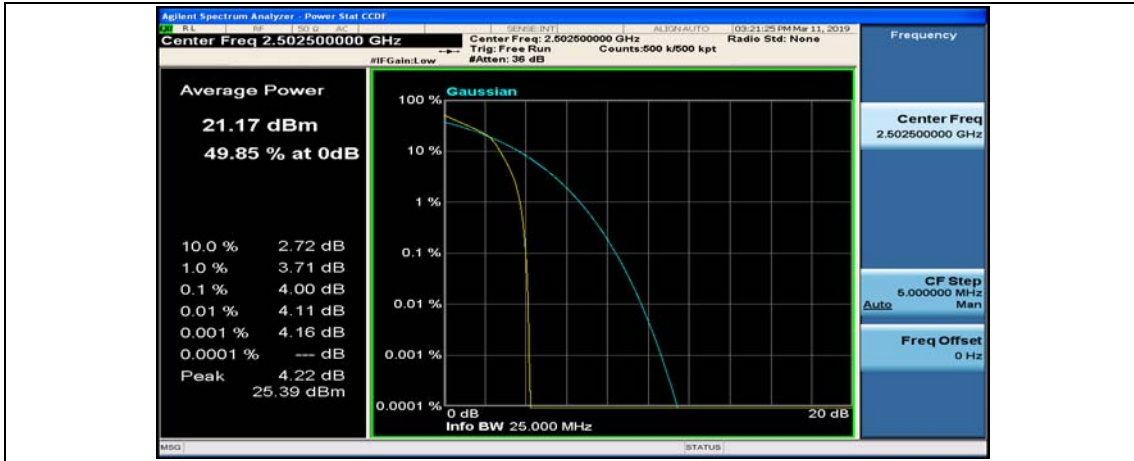
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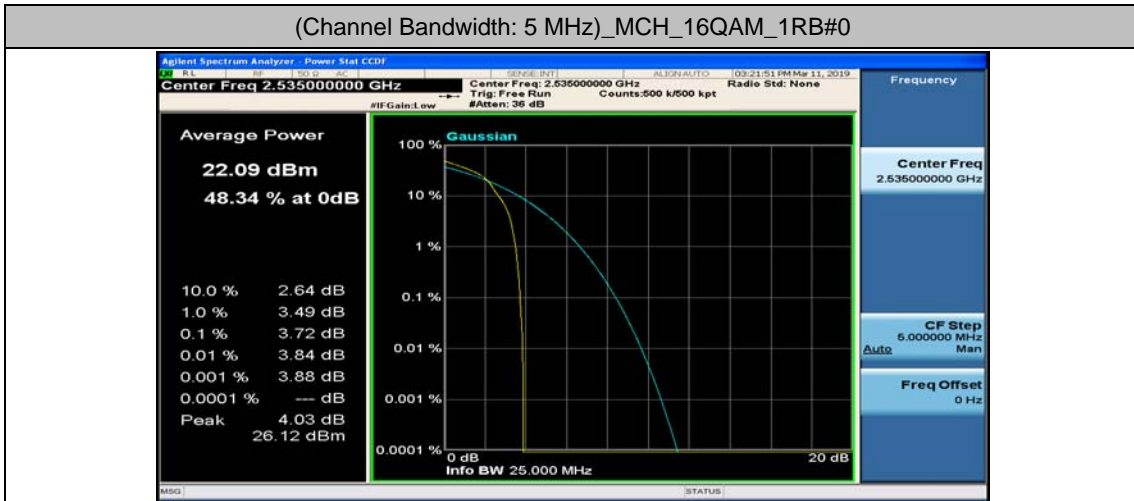
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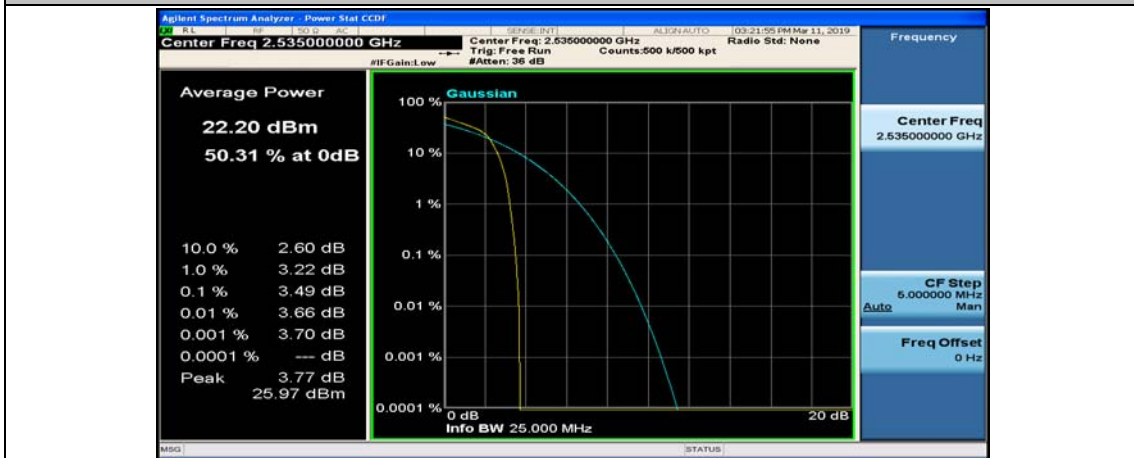
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



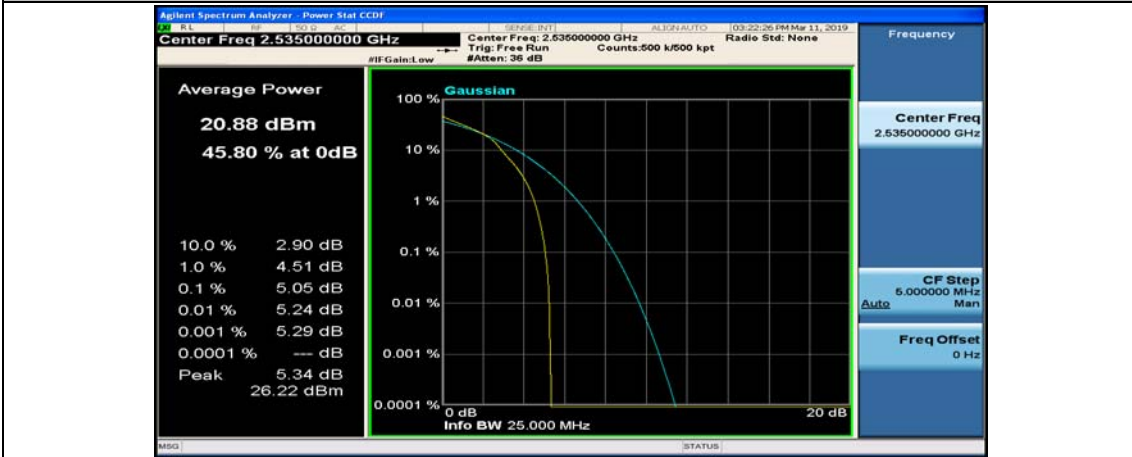
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



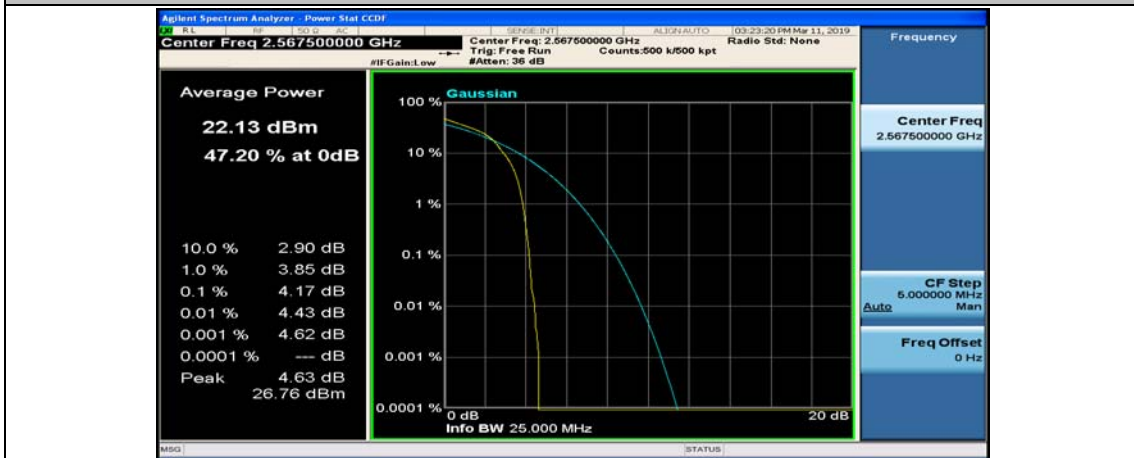
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



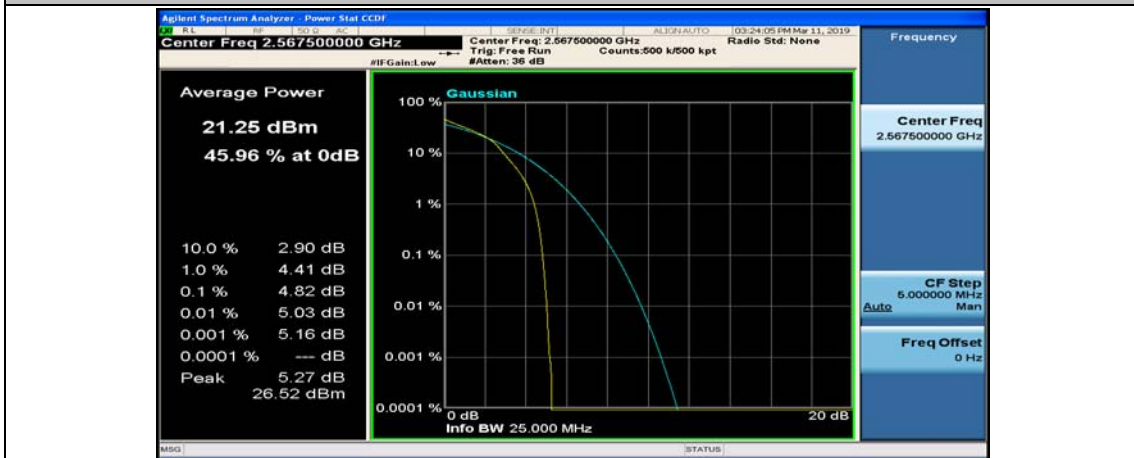
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



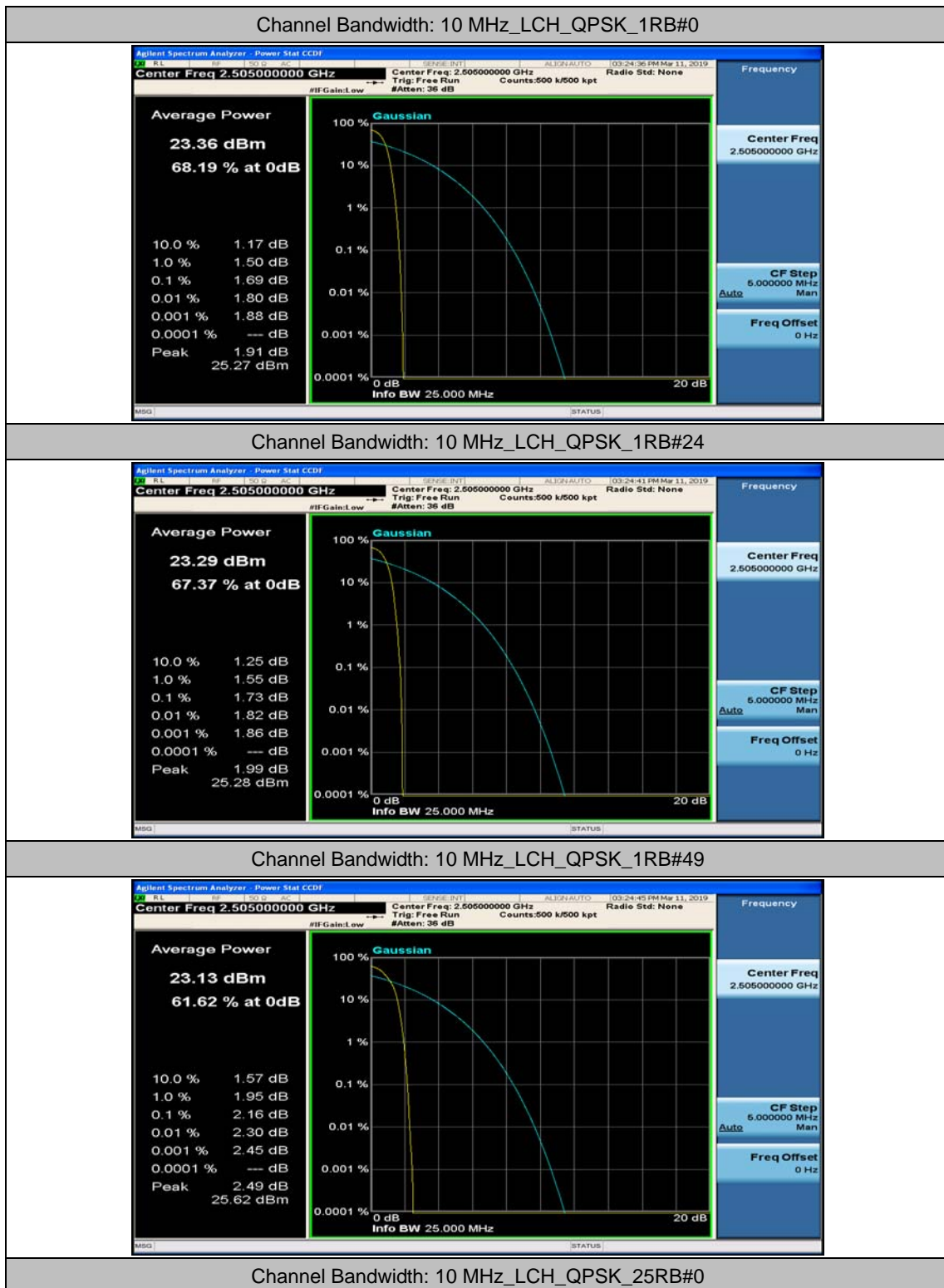
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

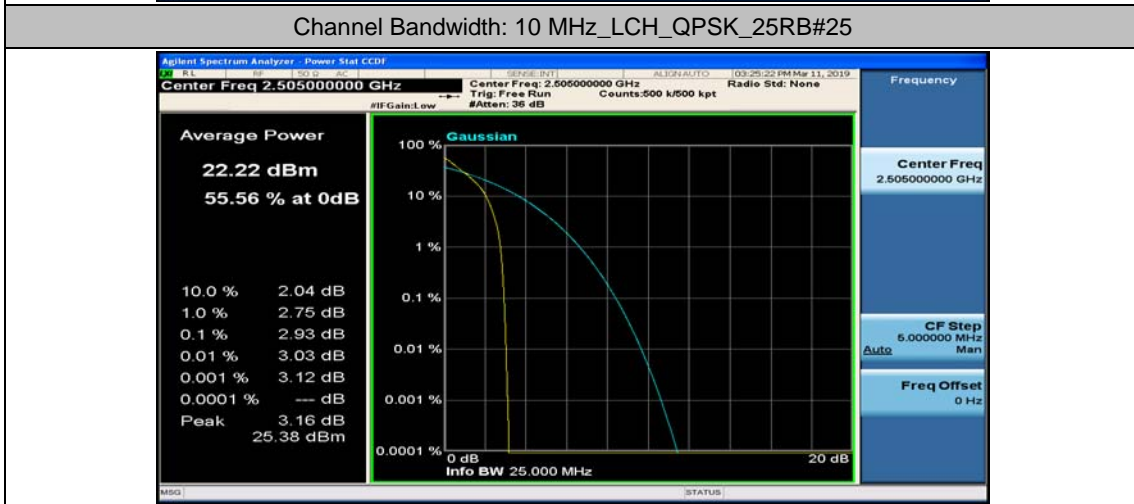
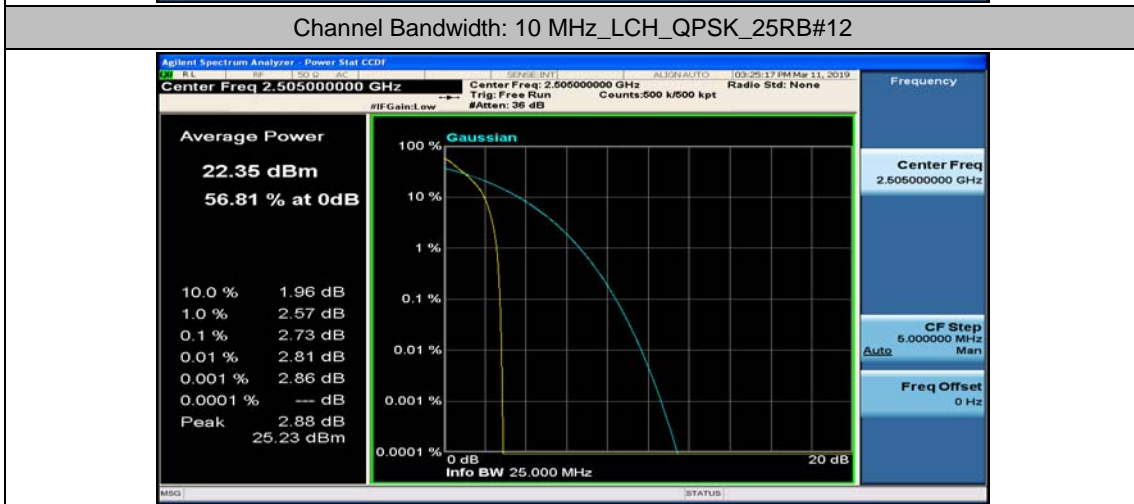
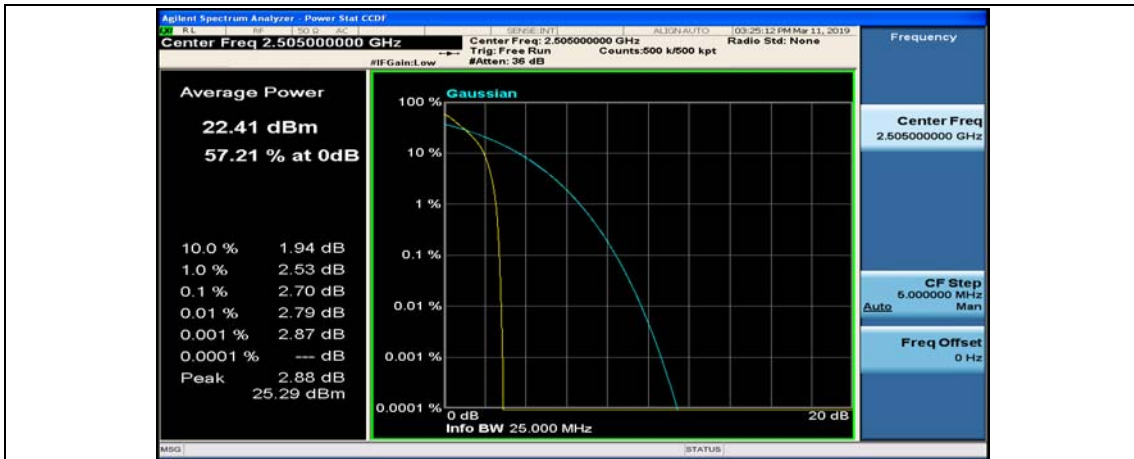


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



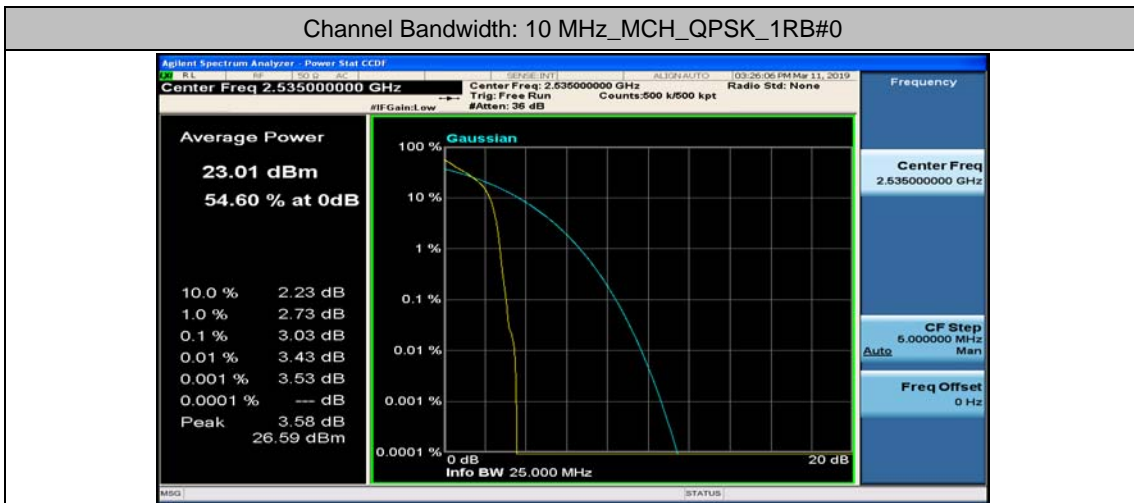
Channel Bandwidth: 10 MHz



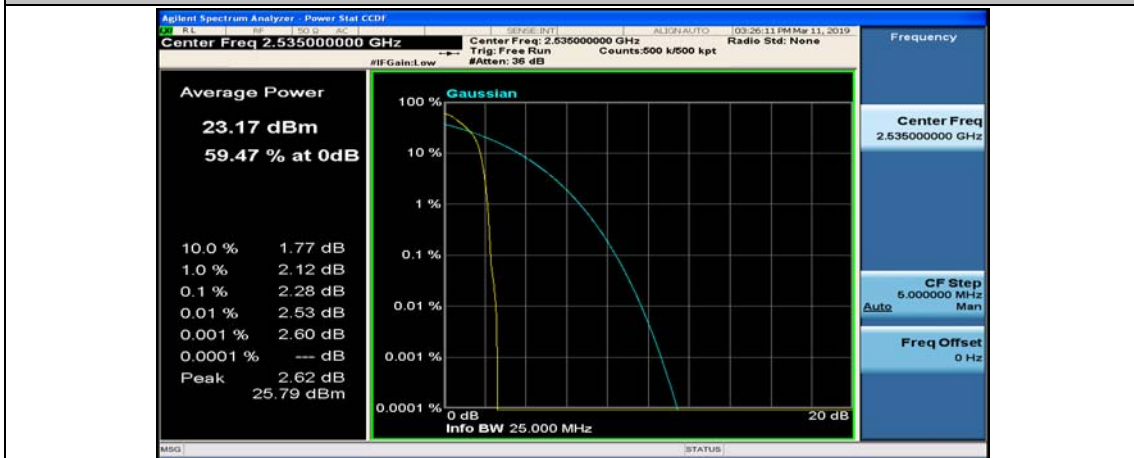




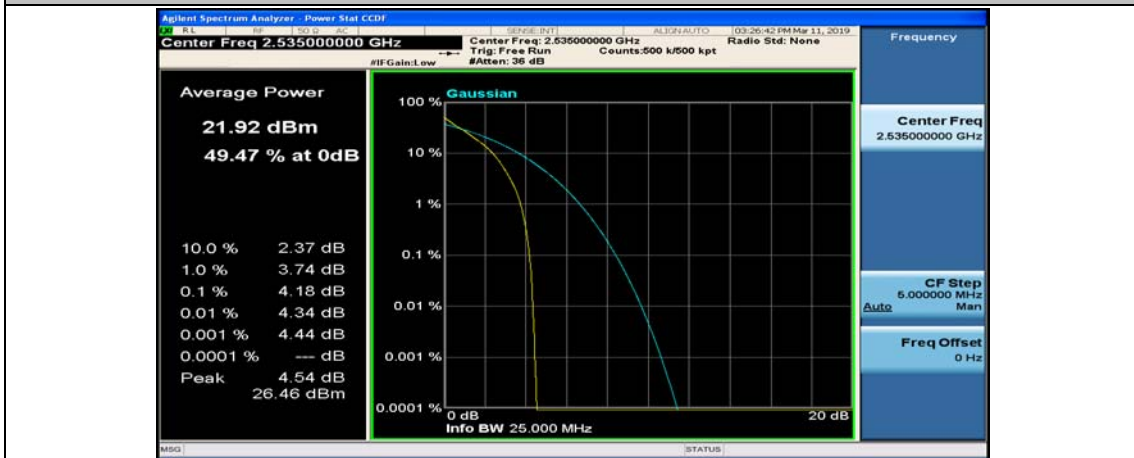
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49





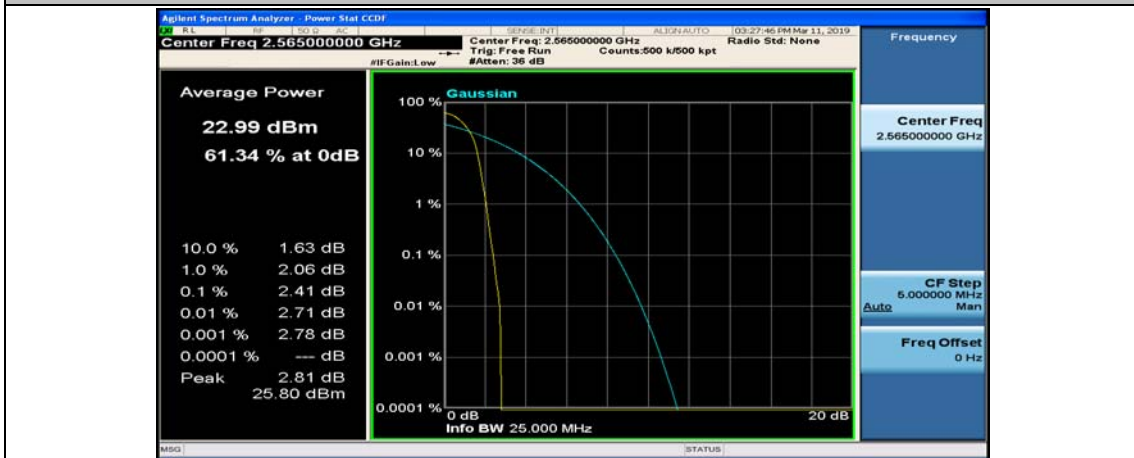
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

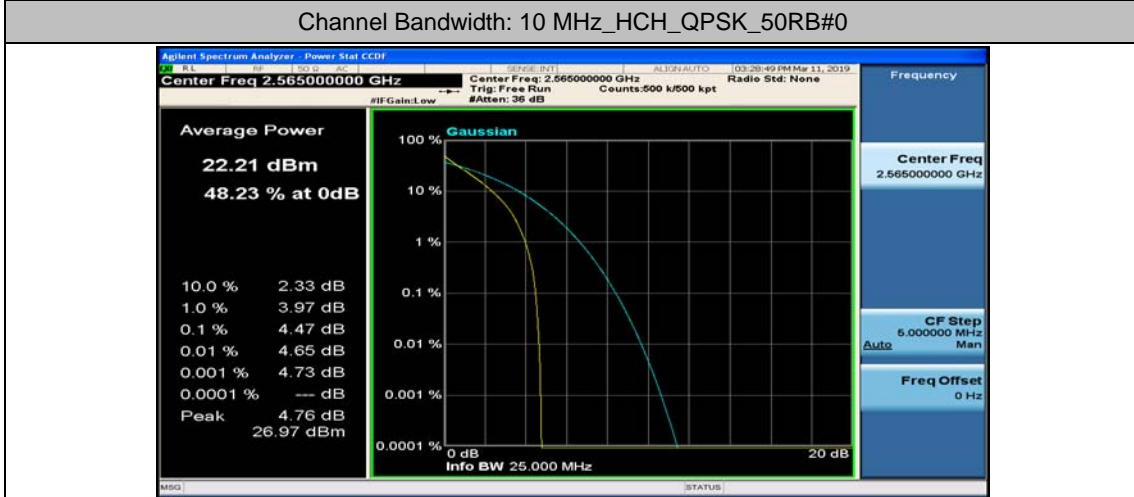
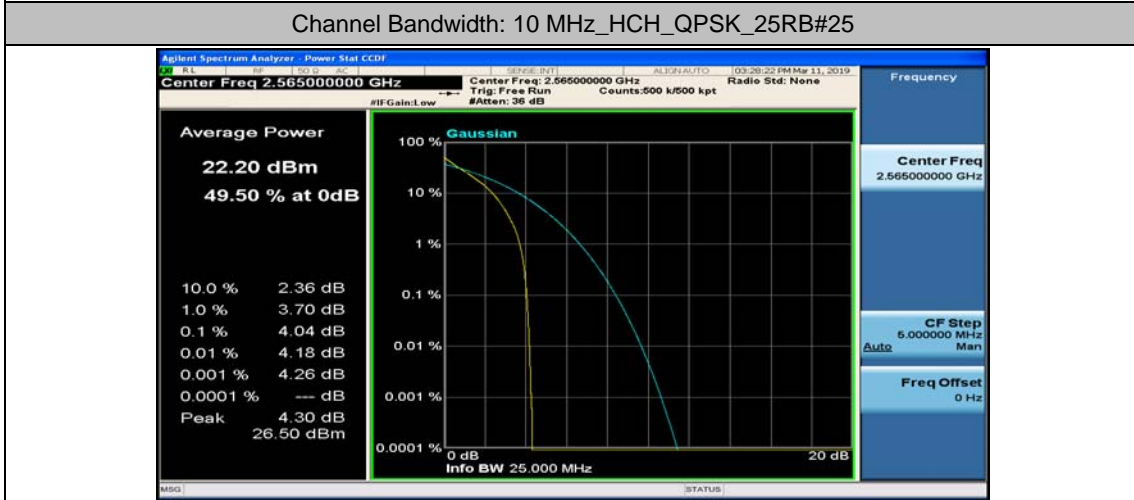
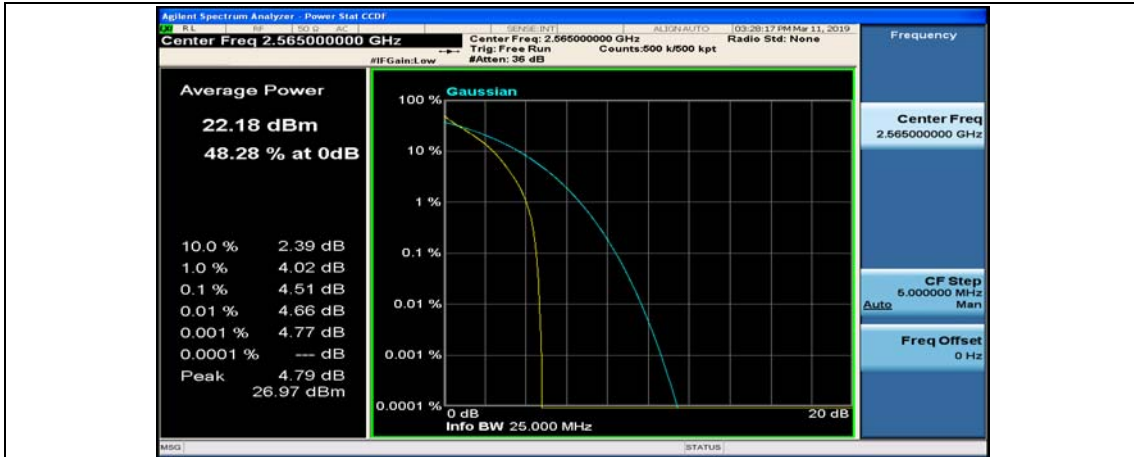


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

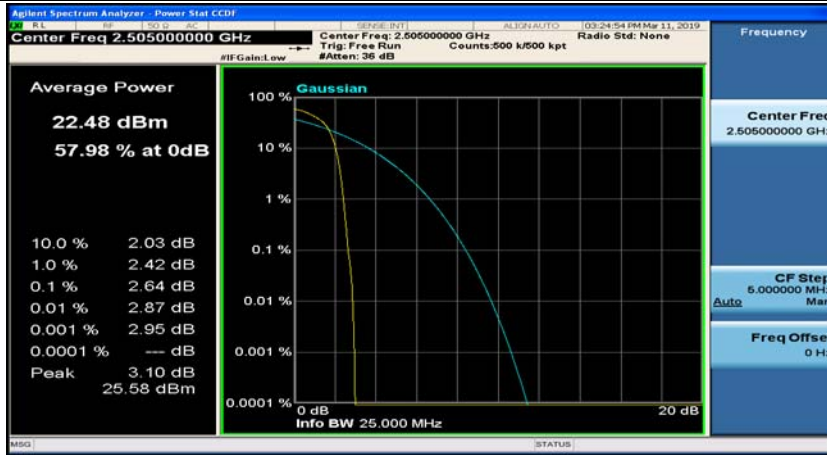


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

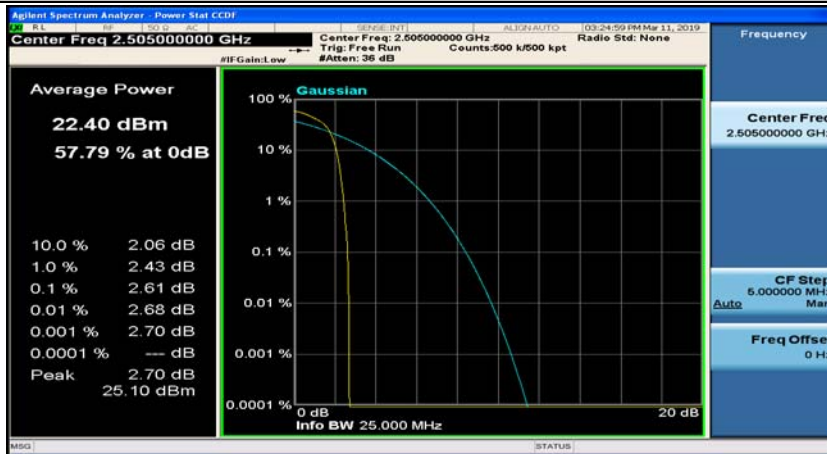




Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



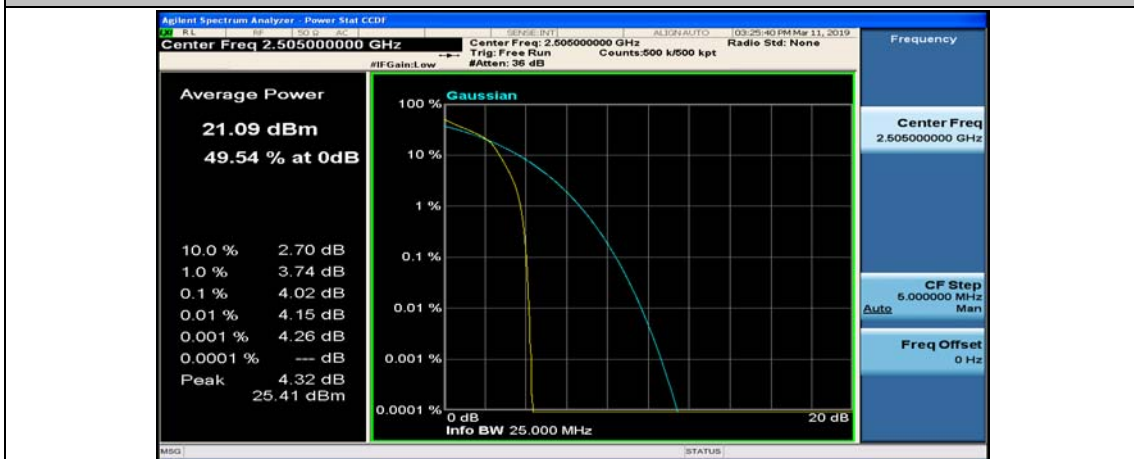
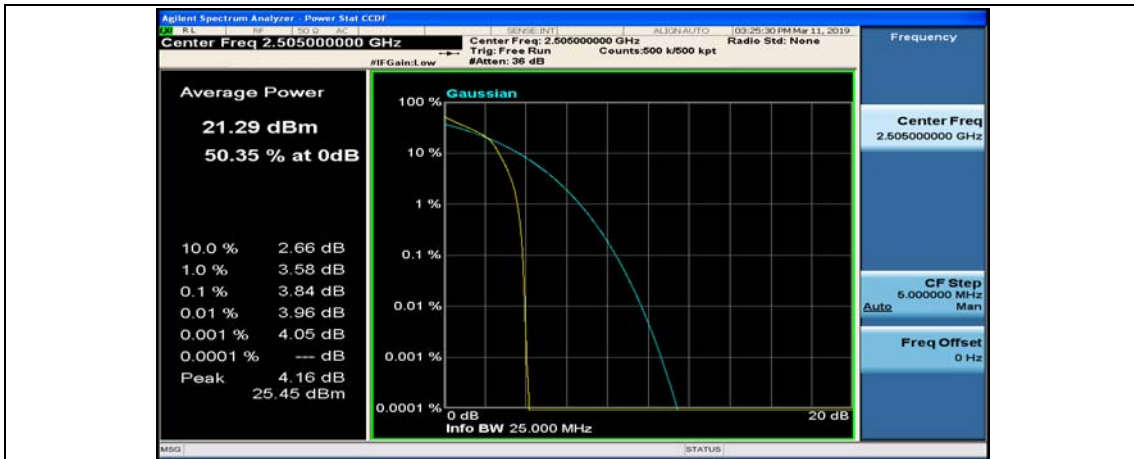
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

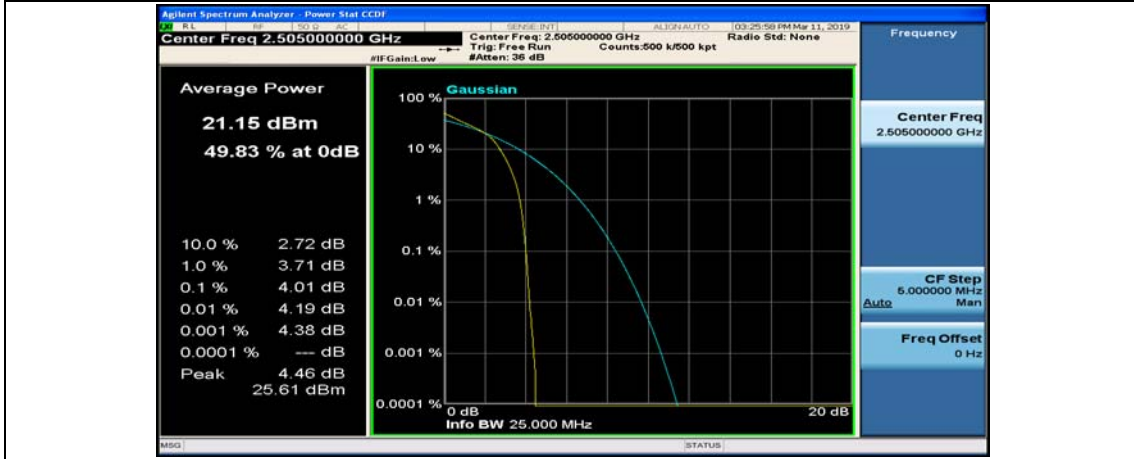


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





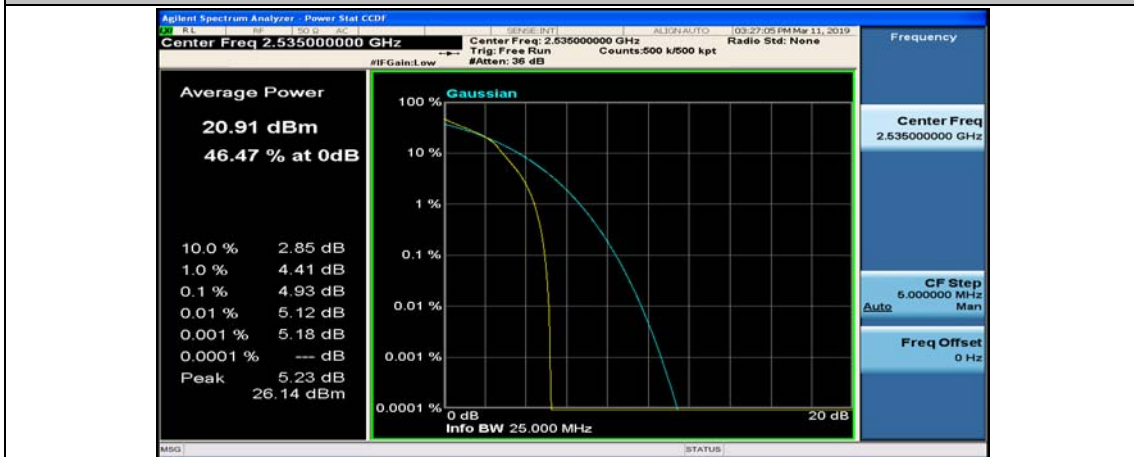
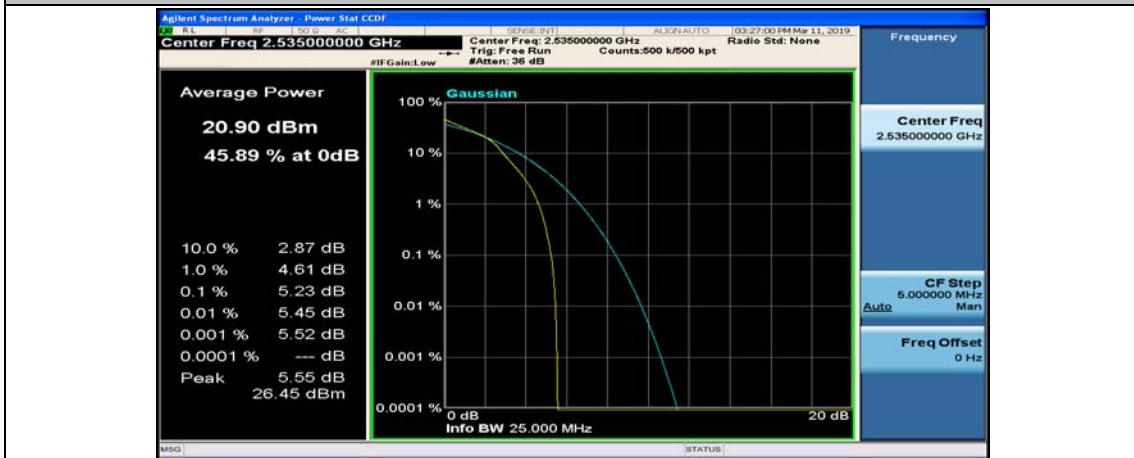
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

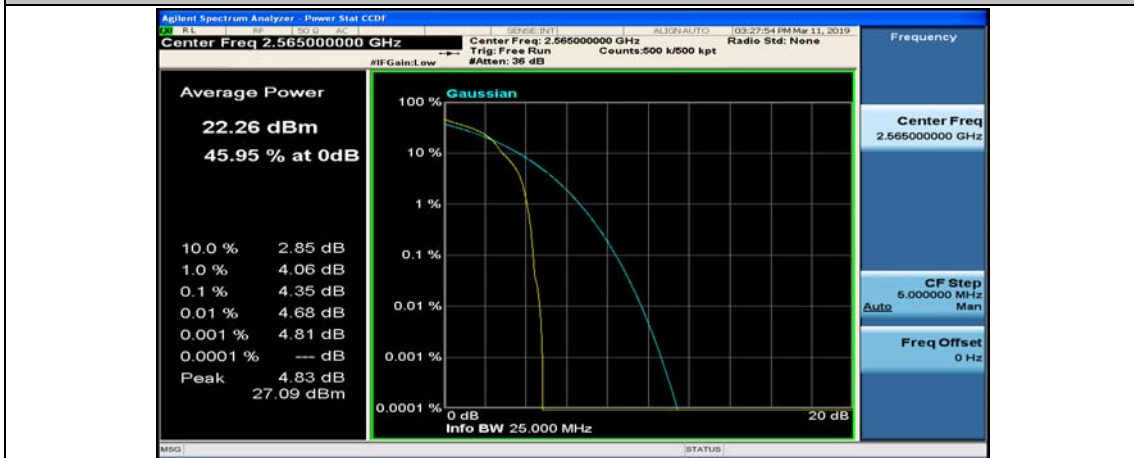




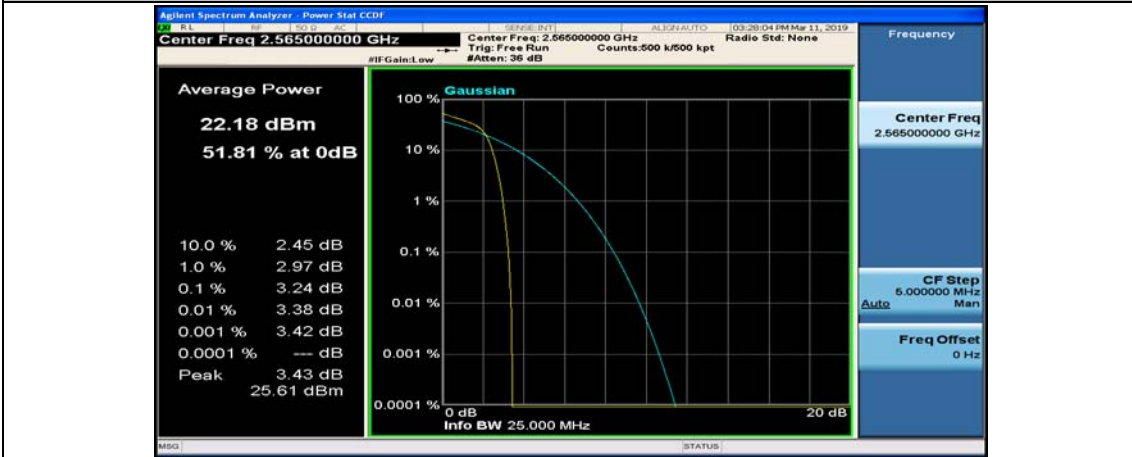
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

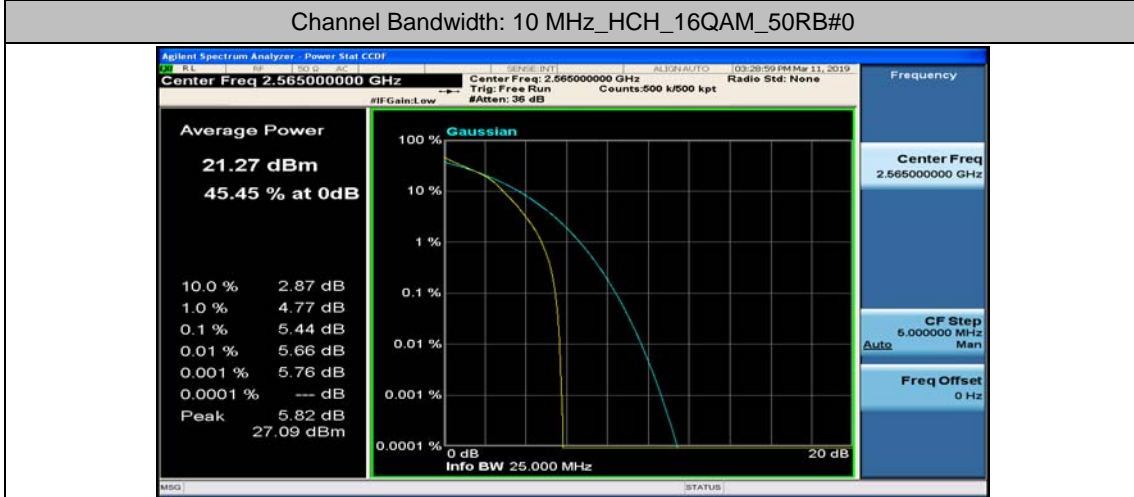
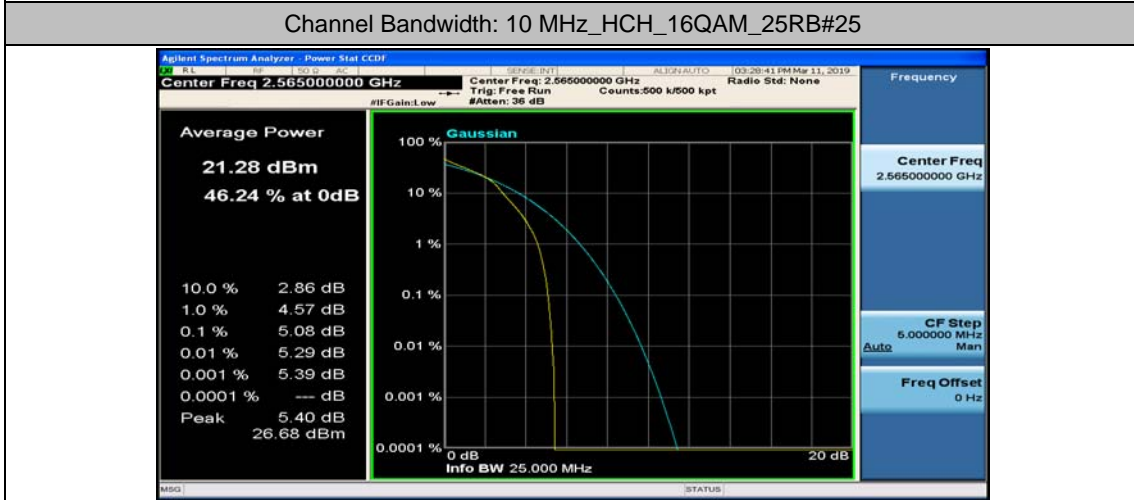


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

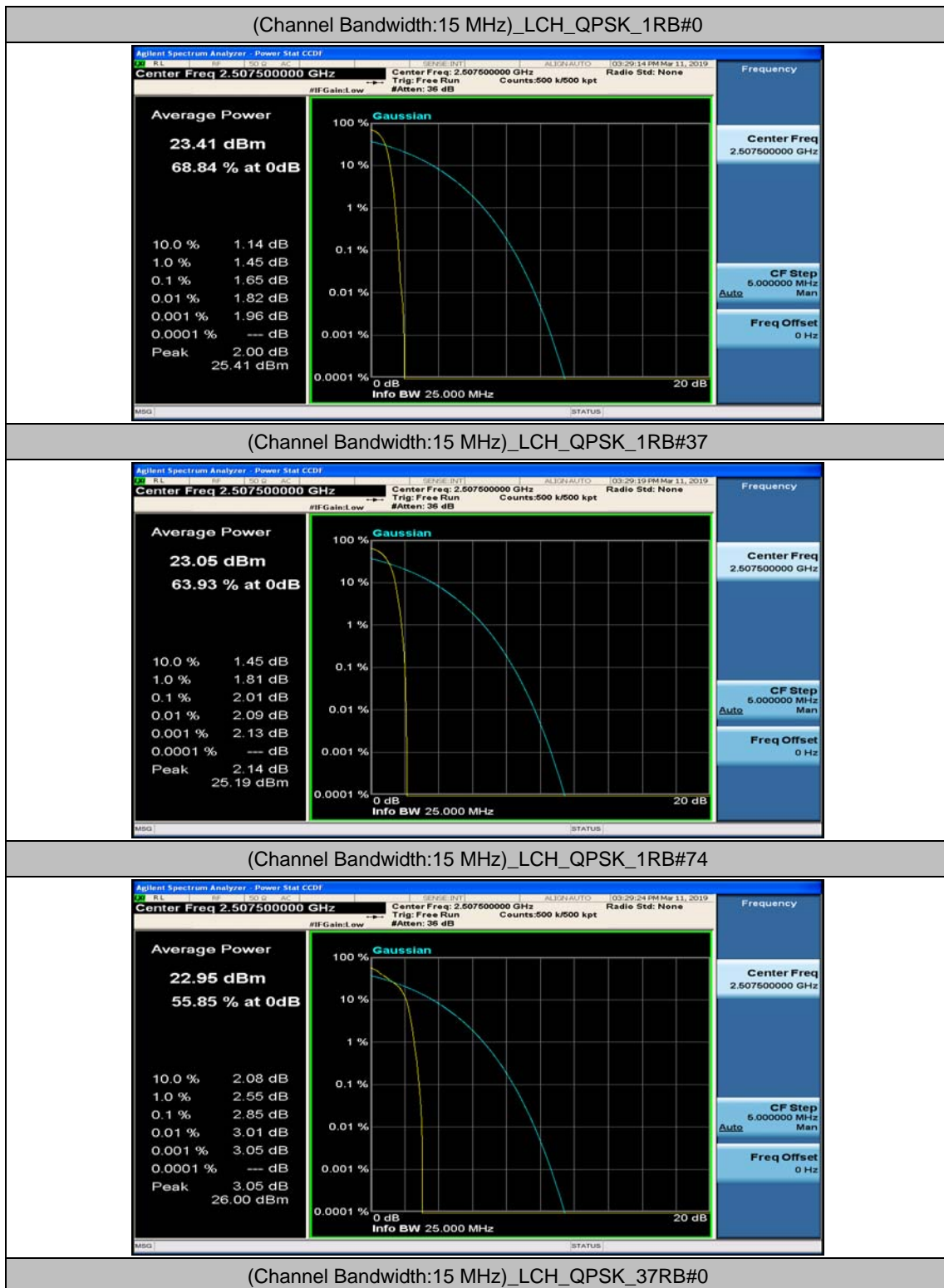


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



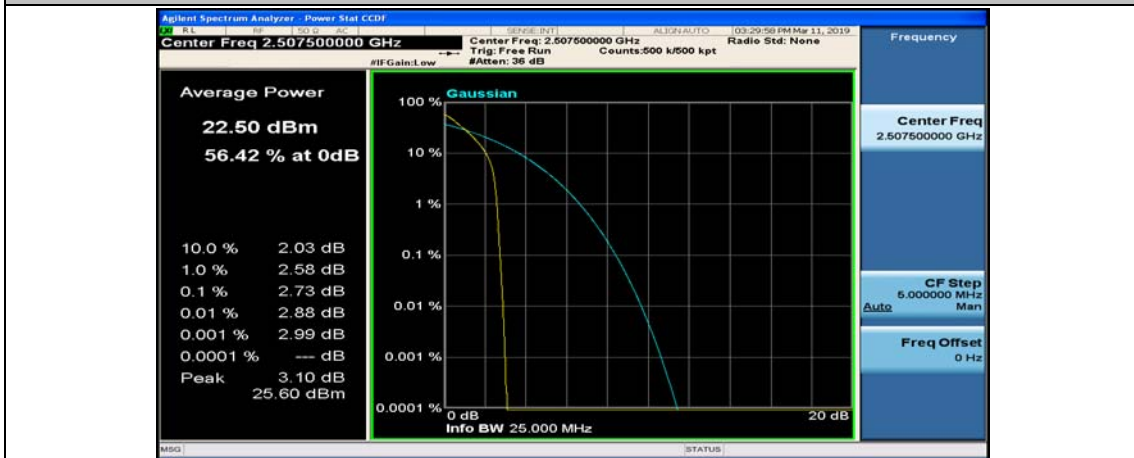


Channel Bandwidth: 15 MHz





(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



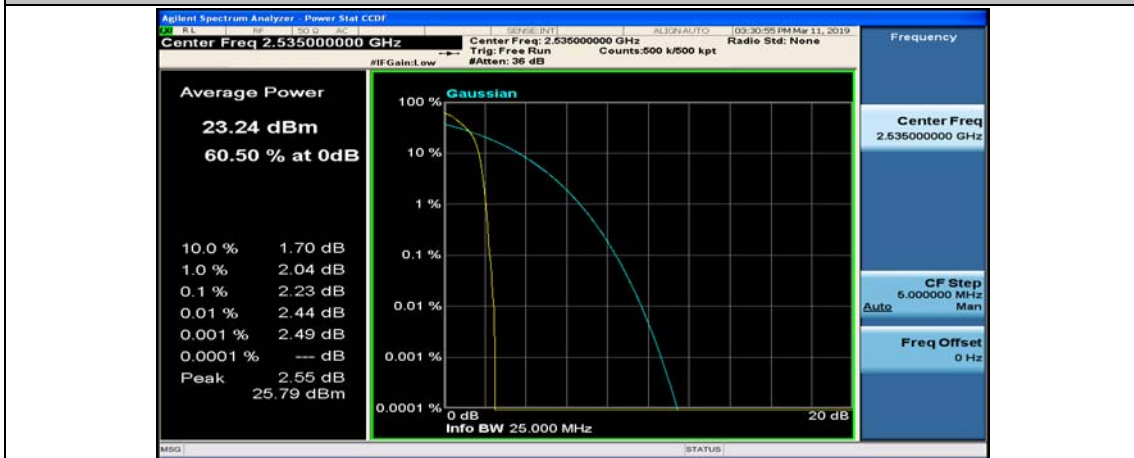
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



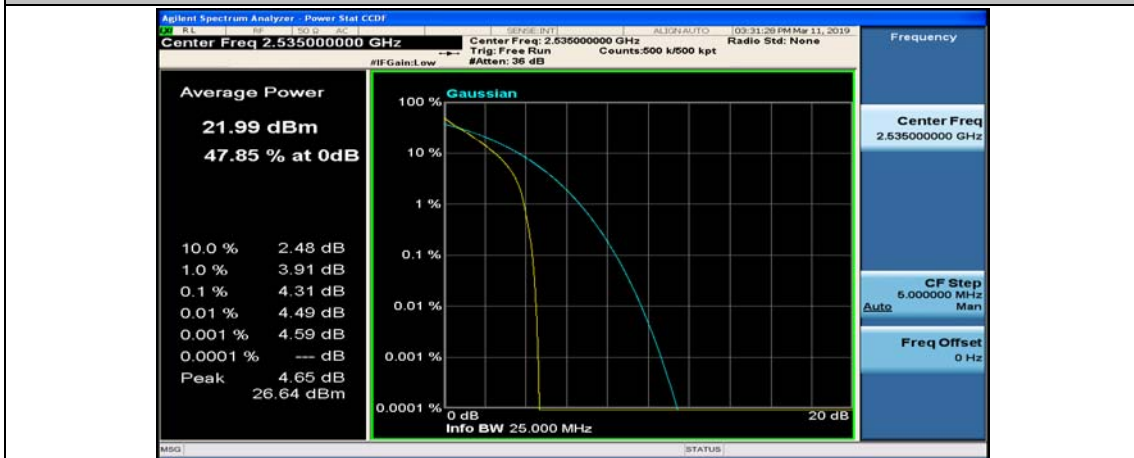
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



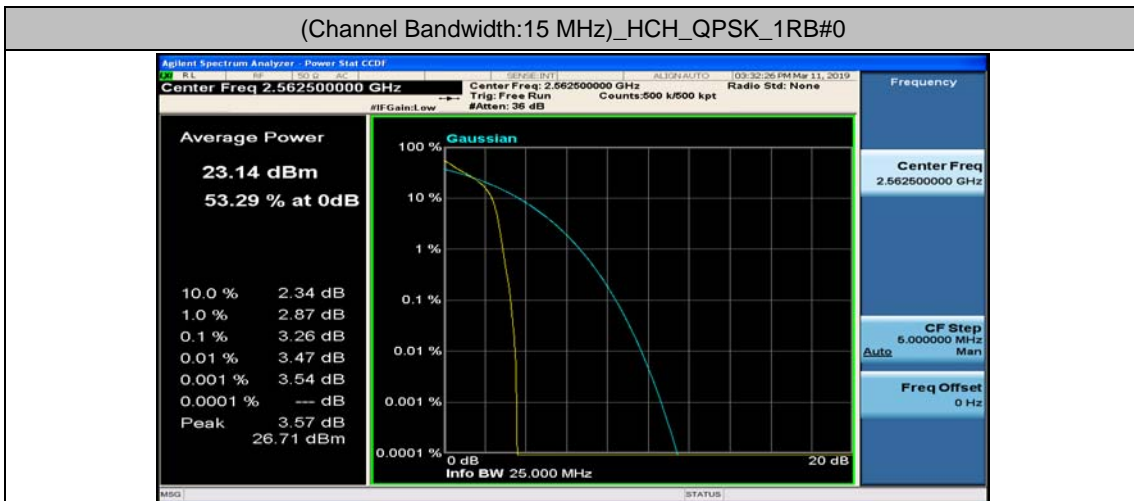
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



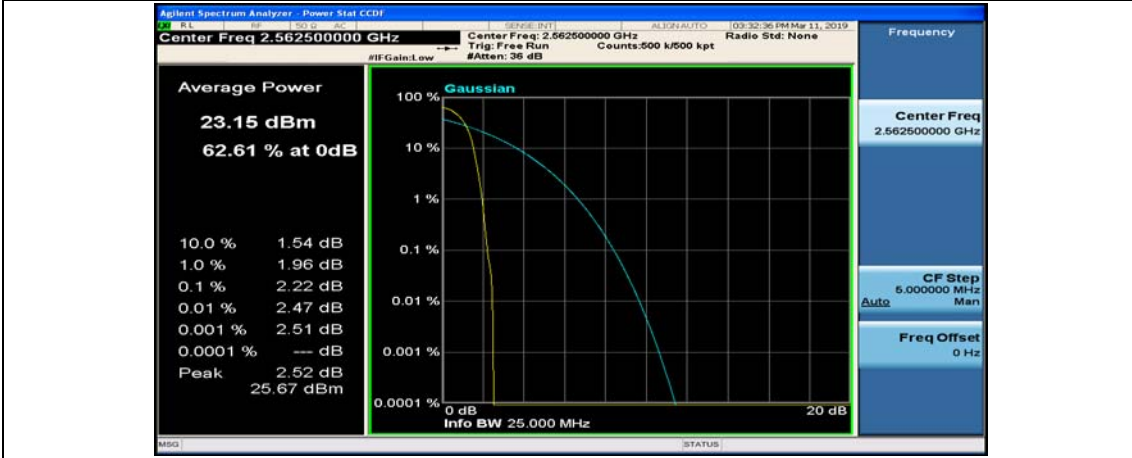
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



(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



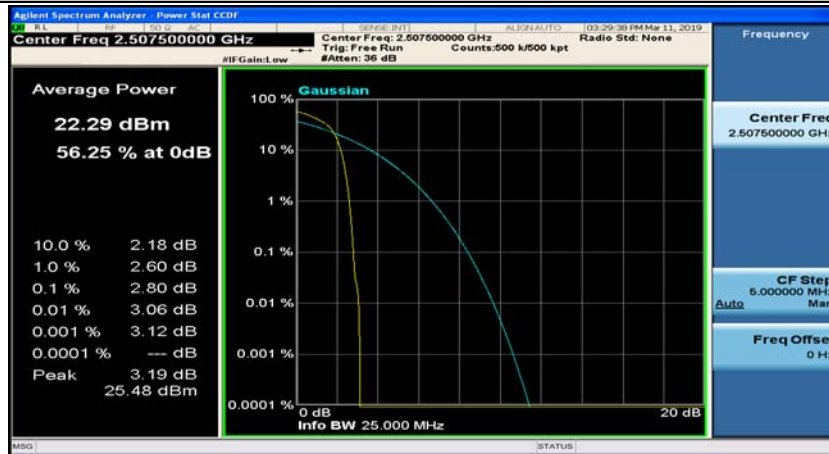
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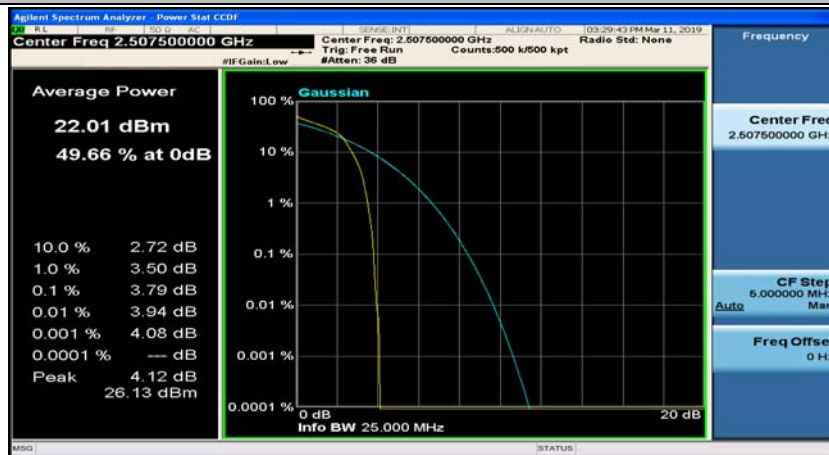
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



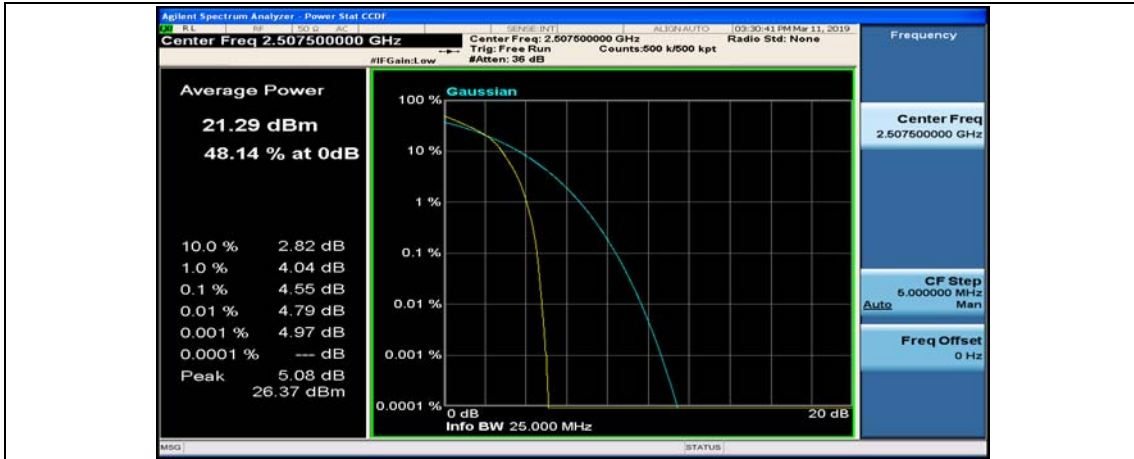
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



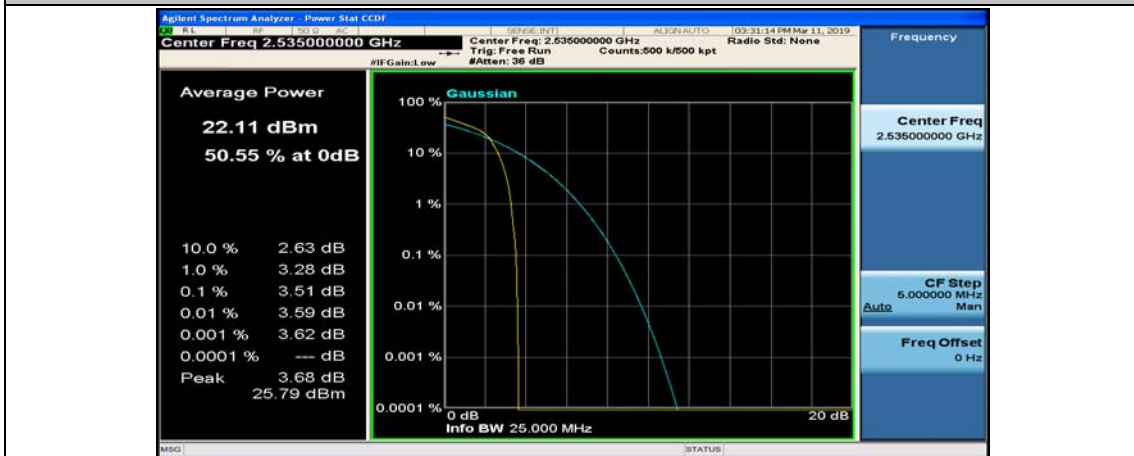
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



(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



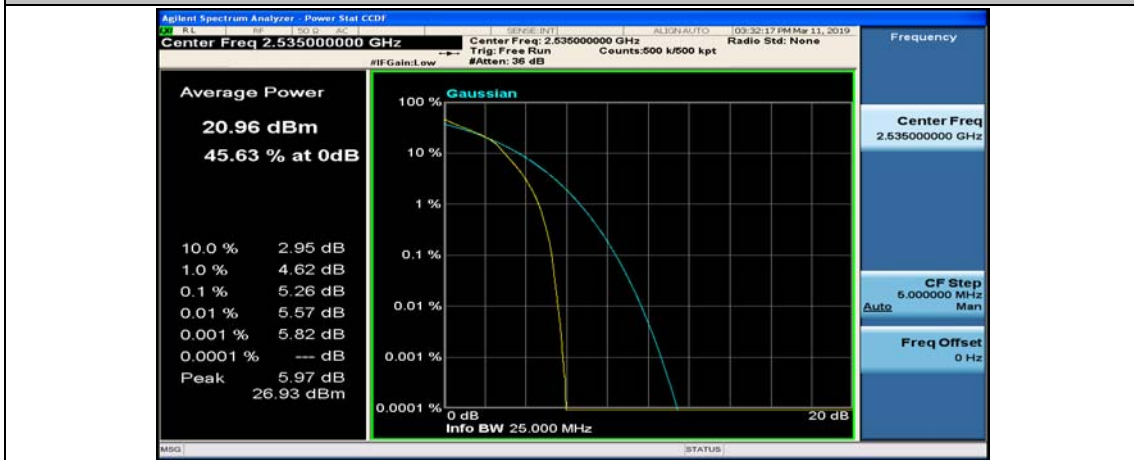
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38



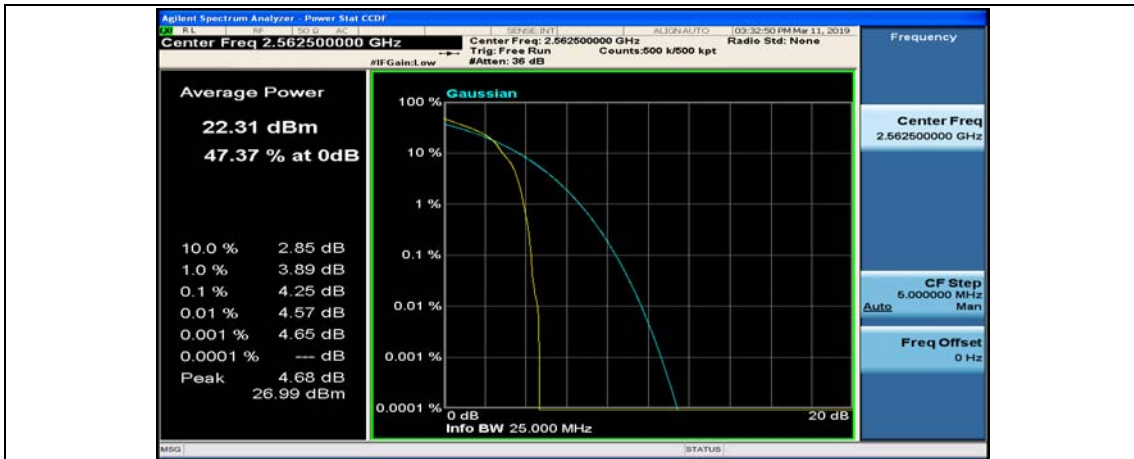
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



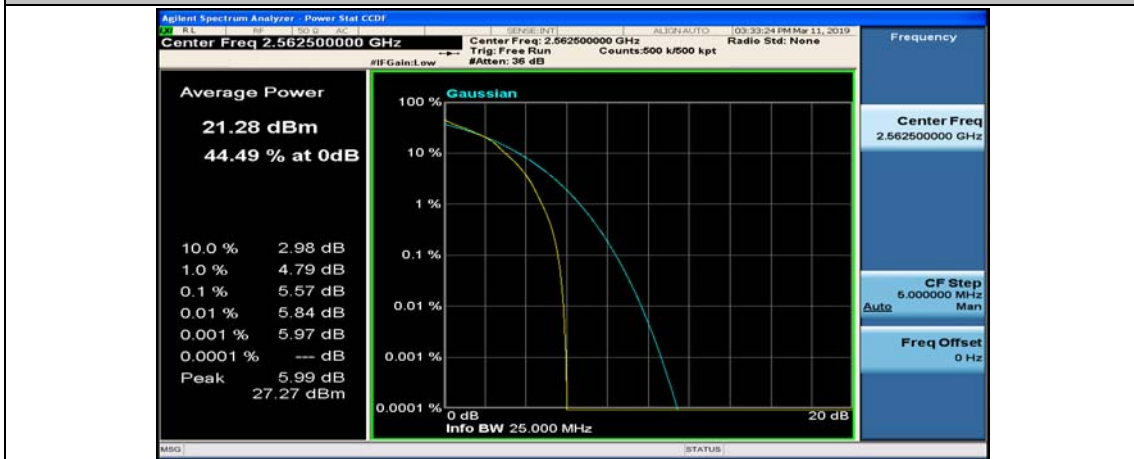
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



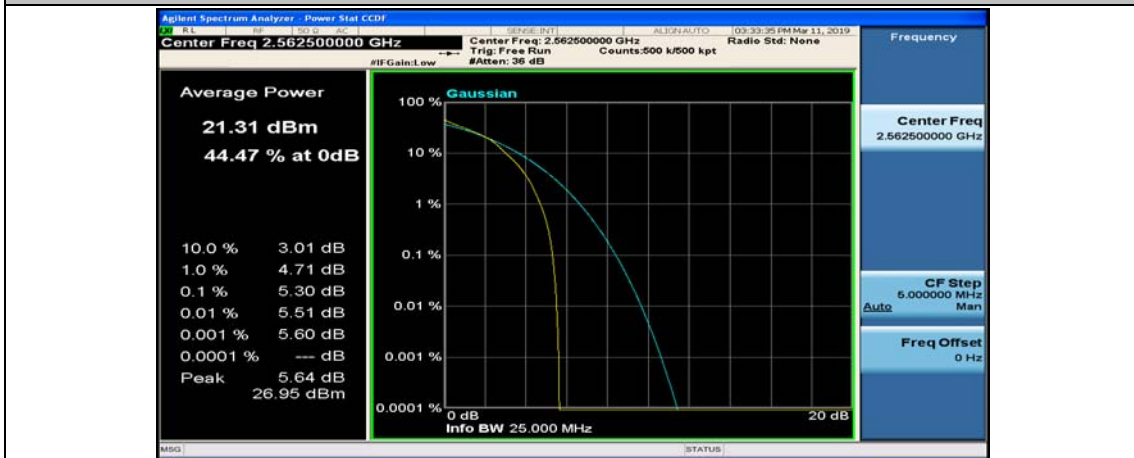
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18



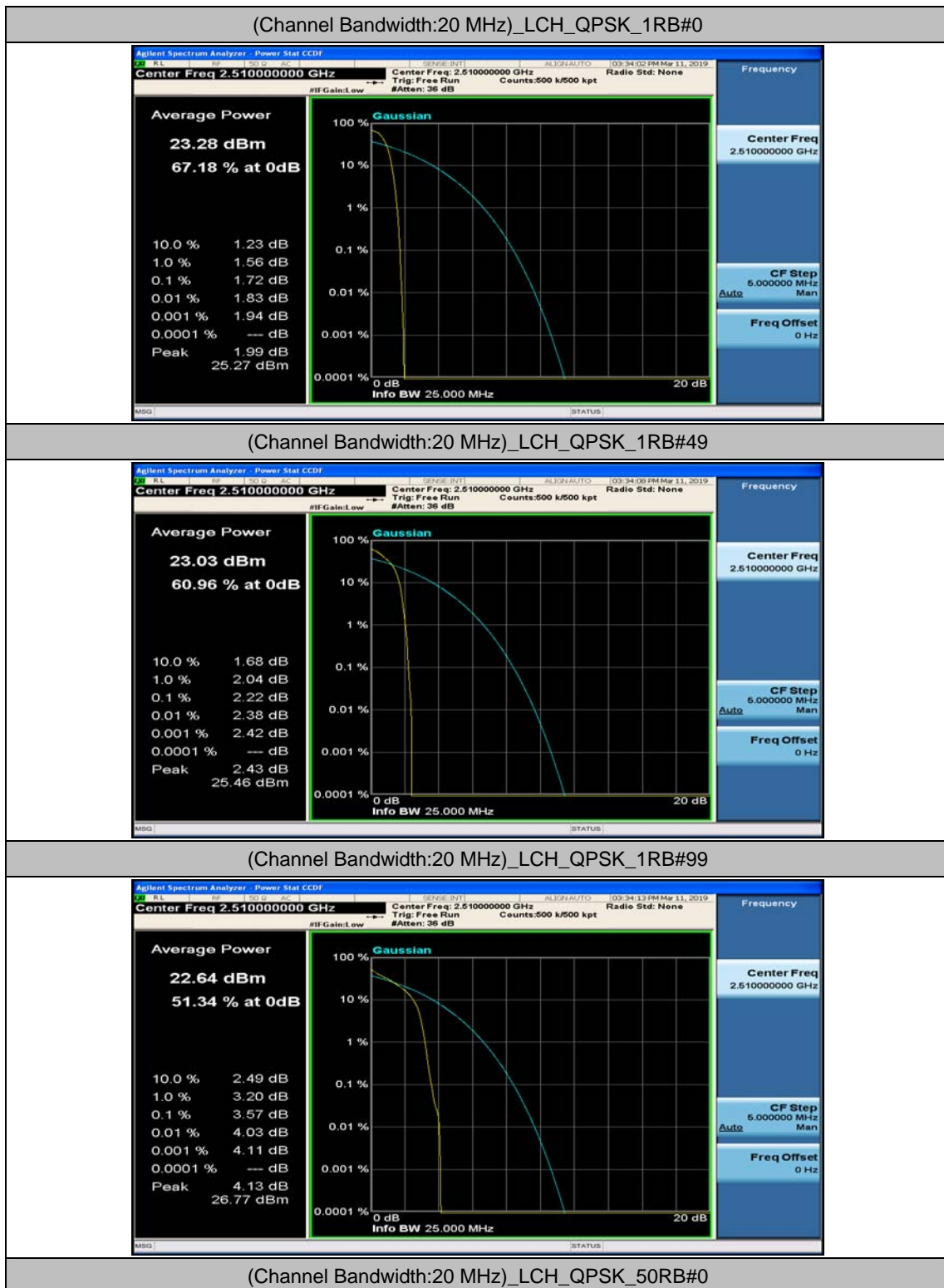
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38



(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0



Channel Bandwidth: 20 MHz





(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25



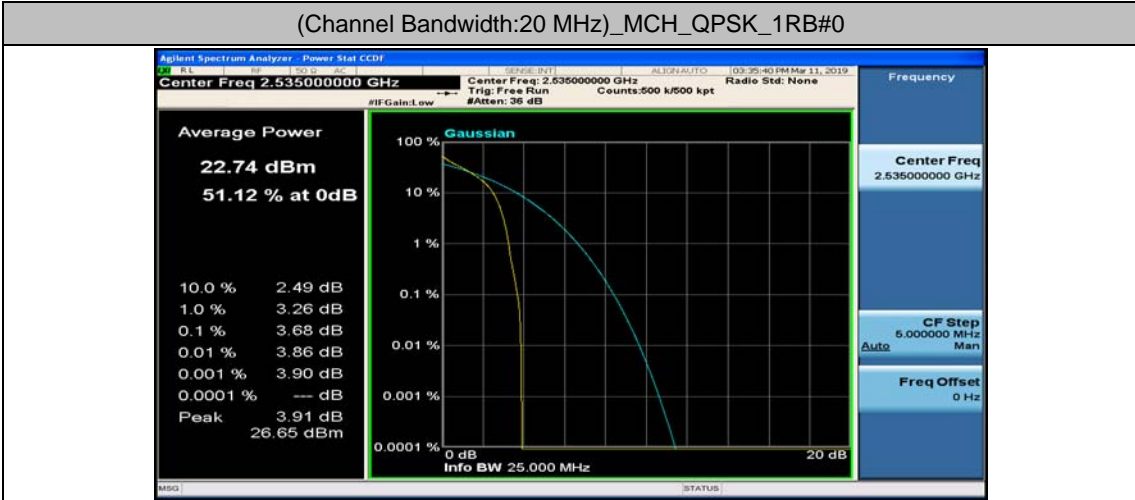
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



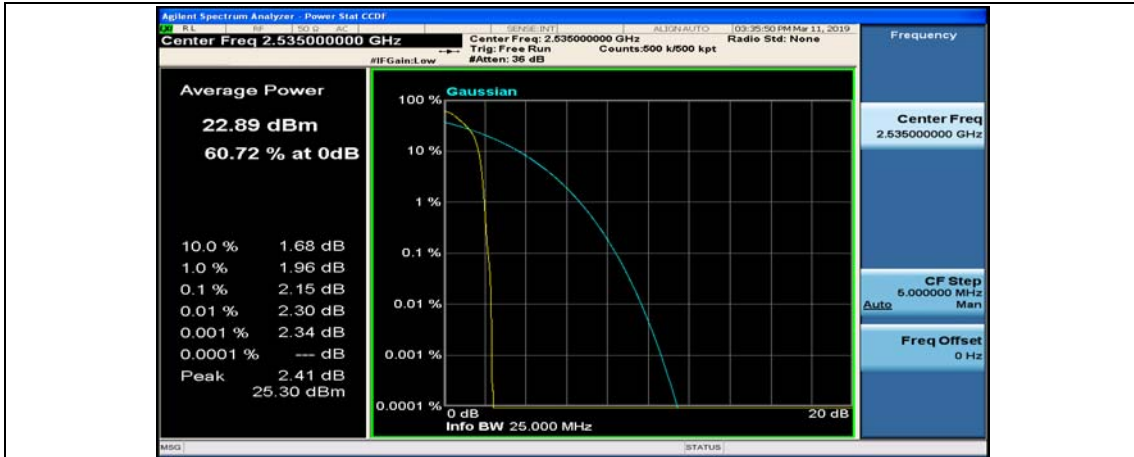
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



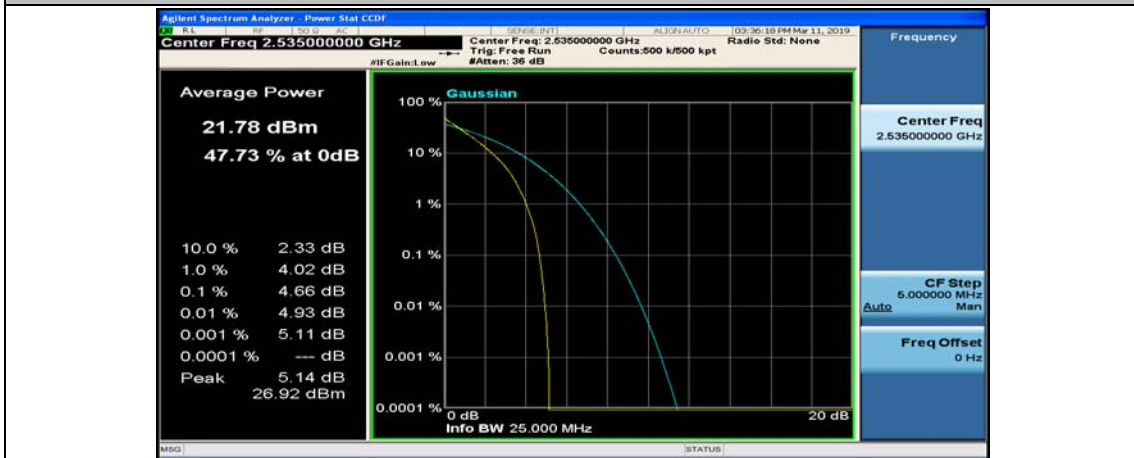
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99



(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#0



(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#25



(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#50