

Appendix for Band 7

Product Name: 4G Smart Phone
Model No: Wildfire E2

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	24.52	PASS
		1	12	24.77	PASS
		1	24	24.46	PASS
		12	0	23.52	PASS
		12	6	23.63	PASS
		12	13	23.61	PASS
		25	0	23.63	PASS
	MCH	1	0	24.37	PASS
		1	12	24.67	PASS
		1	24	24.28	PASS
		12	0	23.37	PASS
		12	6	23.44	PASS
		12	13	23.38	PASS
		25	0	23.43	PASS
	HCH	1	0	24.11	PASS
		1	12	24.40	PASS
		1	24	24.08	PASS
		12	0	23.14	PASS
		12	6	23.22	PASS
		12	13	23.17	PASS
		25	0	23.17	PASS
16QAM	LCH	1	0	23.84	PASS
		1	12	23.91	PASS
		1	24	23.74	PASS
		12	0	22.59	PASS
		12	6	22.71	PASS
		12	13	22.66	PASS
		25	0	22.65	PASS
	MCH	1	0	23.66	PASS
		1	12	23.92	PASS
		1	24	23.59	PASS
		12	0	22.50	PASS
		12	6	22.56	PASS

		12	13	22.55	PASS
		25	0	22.51	PASS
	HCH	1	0	23.34	PASS
		1	12	23.78	PASS
		1	24	23.23	PASS
		12	0	22.15	PASS
		12	6	22.26	PASS
		12	13	22.23	PASS
		25	0	22.23	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.52	PASS
		1	24	24.63	PASS
		1	49	24.50	PASS
		25	0	23.58	PASS
		25	12	23.59	PASS
		25	25	23.60	PASS
		50	0	23.60	PASS
	MCH	1	0	24.37	PASS
		1	24	24.51	PASS
		1	49	24.28	PASS
		25	0	23.40	PASS
		25	12	23.42	PASS
		25	25	23.51	PASS
		50	0	23.48	PASS
	HCH	1	0	24.16	PASS
		1	24	24.31	PASS
		1	49	24.08	PASS
		25	0	23.12	PASS
		25	12	23.22	PASS
		25	25	23.33	PASS
		50	0	23.24	PASS
16QAM	LCH	1	0	23.85	PASS
		1	24	23.95	PASS
		1	49	23.83	PASS
		25	0	22.58	PASS
		25	12	22.61	PASS
		25	25	22.66	PASS
		50	0	22.60	PASS

	MCH	1	0	23.78	PASS
		1	24	23.91	PASS
		1	49	23.70	PASS
		25	0	22.42	PASS
		25	12	22.49	PASS
		25	25	22.61	PASS
		50	0	22.53	PASS
	HCH	1	0	23.38	PASS
		1	24	23.57	PASS
		1	49	23.34	PASS
		25	0	22.18	PASS
		25	12	22.24	PASS
		25	25	22.42	PASS
		50	0	22.32	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.52	PASS
		1	37	24.60	PASS
		1	74	24.38	PASS
		37	0	23.58	PASS
		37	18	23.65	PASS
		37	38	23.59	PASS
		75	0	23.59	PASS
	MCH	1	0	24.39	PASS
		1	37	24.49	PASS
		1	74	24.15	PASS
		37	0	23.40	PASS
		37	18	23.42	PASS
		37	38	23.46	PASS
		75	0	23.46	PASS
	HCH	1	0	24.12	PASS
		1	37	24.28	PASS
		1	74	24.00	PASS
		37	0	23.31	PASS
		37	18	23.32	PASS
		37	38	23.40	PASS
		75	0	23.35	PASS
16QAM	LCH	1	0	23.84	PASS
		1	37	24.04	PASS

		1	74	23.68	PASS
		37	0	22.56	PASS
		37	18	22.62	PASS
		37	38	22.53	PASS
		75	0	22.57	PASS
	MCH	1	0	23.67	PASS
		1	37	23.87	PASS
		1	74	23.47	PASS
		37	0	22.39	PASS
		37	18	22.44	PASS
		37	38	22.47	PASS
	HCH	75	0	22.49	PASS
		1	0	23.35	PASS
		1	37	23.56	PASS
		1	74	23.25	PASS
		37	0	22.25	PASS
		37	18	22.23	PASS
		37	38	22.33	PASS
	75	0	22.30	PASS	

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.41	PASS
		1	49	24.79	PASS
		1	99	24.27	PASS
		50	0	23.61	PASS
		50	25	23.60	PASS
		50	50	23.37	PASS
		100	0	23.44	PASS
	MCH	1	0	24.26	PASS
		1	49	24.57	26DB
		1	99	24.02	PASS
		50	0	23.30	PASS
		50	25	23.46	PASS
		50	50	23.46	PASS
		100	0	23.37	PASS
	HCH	1	0	23.87	PASS
		1	49	24.24	PASS
		1	99	23.77	PASS

		50	0	23.39	PASS
		50	25	23.27	PASS
		50	50	23.45	PASS
		100	0	23.38	PASS
16QAM	LCH	1	0	23.69	PASS
		1	49	24.01	PASS
		1	99	23.55	PASS
		50	0	22.57	PASS
		50	25	22.65	PASS
		50	50	22.43	PASS
		100	0	22.50	PASS
	MCH	1	0	23.61	PASS
		1	49	23.95	PASS
		1	99	23.40	PASS
		50	0	22.36	PASS
		50	25	22.55	PASS
		50	50	22.56	PASS
		100	0	22.42	PASS
	HCH	1	0	23.17	PASS
		1	49	23.52	PASS
		1	99	23.09	PASS
		50	0	22.42	PASS
		50	25	22.33	PASS
		50	50	22.50	PASS
		100	0	22.38	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	4.15	<13	PASS
		1	12	3.94	<13	PASS
		1	24	4.12	<13	PASS
		12	0	5.04	<13	PASS
		12	6	4.94	<13	PASS
		12	13	4.96	<13	PASS
		25	0	5.1	<13	PASS
	MCH	1	0	4.48	<13	PASS
		1	12	4.3	<13	PASS
		1	24	4.52	<13	PASS
		12	0	5.27	<13	PASS
		12	6	5.26	<13	PASS
		12	13	5.35	<13	PASS
		25	0	5.42	<13	PASS
	HCH	1	0	4.2	<13	PASS
		1	12	3.9	<13	PASS
		1	24	3.85	<13	PASS
		12	0	5.03	<13	PASS
		12	6	4.9	<13	PASS
		12	13	4.84	<13	PASS
		25	0	5	<13	PASS
16QAM	LCH	1	0	4.99	<13	PASS
		1	12	4.64	<13	PASS
		1	24	4.97	<13	PASS
		12	0	5.96	<13	PASS
		12	6	5.87	<13	PASS
		12	13	5.84	<13	PASS
		25	0	6.02	<13	PASS
	MCH	1	0	5.39	<13	PASS
		1	12	5.05	<13	PASS
1		24	5.4	<13	PASS	

		12	0	6.17	<13	PASS
		12	6	6.17	<13	PASS
		12	13	6.25	<13	PASS
		25	0	6.26	<13	PASS
	HCH	1	0	4.96	<13	PASS
		1	12	4.72	<13	PASS
		1	24	4.68	<13	PASS
		12	0	5.94	<13	PASS
		12	6	5.85	<13	PASS
		12	13	5.8	<13	PASS
		25	0	5.86	<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	4.05	<13	PASS
		1	24	3.89	<13	PASS
		1	49	4	<13	PASS
		25	0	5.11	<13	PASS
		25	12	5	<13	PASS
		25	25	4.95	<13	PASS
		50	0	5.19	<13	PASS
	MCH	1	0	4.17	<13	PASS
		1	24	4.25	<13	PASS
		1	49	4.35	<13	PASS
		25	0	5.39	<13	PASS
		25	12	5.4	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.46	<13	PASS
	HCH	1	0	3.65	<13	PASS
		1	24	3.88	<13	PASS
		1	49	3.74	<13	PASS
		25	0	4.79	<13	PASS
		25	12	4.88	<13	PASS
		25	25	4.79	<13	PASS
		50	0	4.97	<13	PASS
16QAM	LCH	1	0	4.86	<13	PASS
		1	24	4.79	<13	PASS
		1	49	4.74	<13	PASS
		25	0	6.03	<13	PASS

		25	12	5.88	<13	PASS
		25	25	5.83	<13	PASS
		50	0	6.04	<13	PASS
	MCH	1	0	5.12	<13	PASS
		1	24	5.23	<13	PASS
		1	49	5.27	<13	PASS
		25	0	6.22	<13	PASS
		25	12	6.29	<13	PASS
		25	25	6.16	<13	PASS
		50	0	6.27	<13	PASS
	HCH	1	0	4.6	<13	PASS
		1	24	4.83	<13	PASS
		1	49	4.67	<13	PASS
		25	0	5.72	<13	PASS
		25	12	5.79	<13	PASS
		25	25	5.77	<13	PASS
		50	0	5.86	<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	4.1	<13	PASS
		1	37	3.82	<13	PASS
		1	74	4.11	<13	PASS
		37	0	5.11	<13	PASS
		37	18	5	<13	PASS
		37	38	5.1	<13	PASS
		75	0	5.44	<13	PASS
	MCH	1	0	4.21	<13	PASS
		1	37	4.34	<13	PASS
		1	74	4.44	<13	PASS
		37	0	5.33	<13	PASS
		37	18	5.39	<13	PASS
		37	38	5.4	<13	PASS
		75	0	5.73	<13	PASS
	HCH	1	0	3.76	<13	PASS
		1	37	3.63	<13	PASS
		1	74	3.7	<13	PASS
		37	0	4.59	<13	PASS
		37	18	4.68	<13	PASS

		37	38	4.86	<13	PASS
		75	0	5.19	<13	PASS
16QAM	LCH	1	0	4.91	<13	PASS
		1	37	4.59	<13	PASS
		1	74	4.95	<13	PASS
		37	0	6.05	<13	PASS
		37	18	5.91	<13	PASS
		37	38	6	<13	PASS
		75	0	6.19	<13	PASS
		MCH	1	0	5.15	<13
	1		37	5.32	<13	PASS
	1		74	5.33	<13	PASS
	37		0	6.21	<13	PASS
	37		18	6.37	<13	PASS
	37		38	6.33	<13	PASS
	75		0	6.42	<13	PASS
	HCH	1	0	4.75	<13	PASS
		1	37	4.58	<13	PASS
		1	74	4.78	<13	PASS
		37	0	5.54	<13	PASS
		37	18	5.64	<13	PASS
		37	38	5.77	<13	PASS
		75	0	5.98	<13	PASS

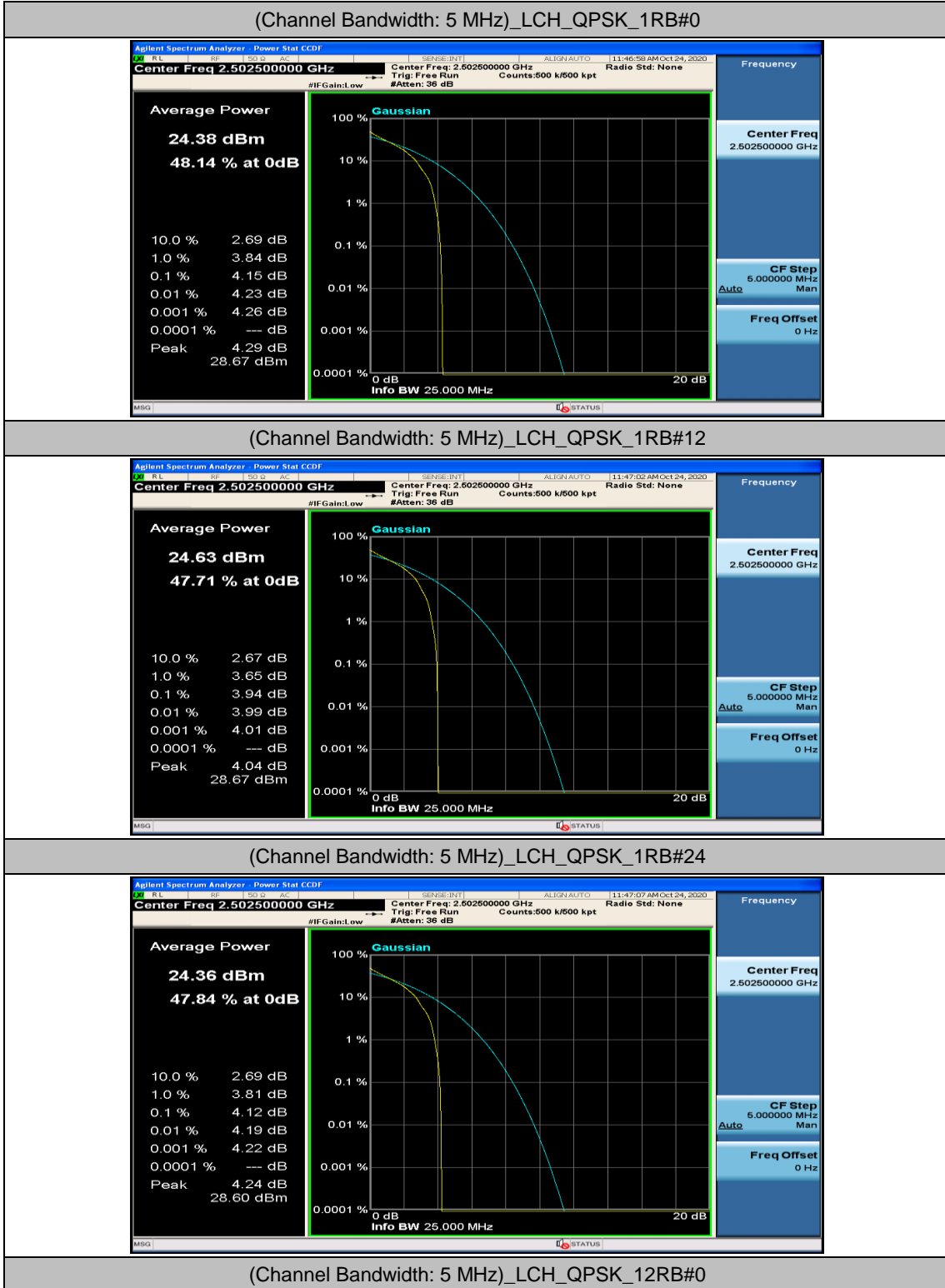
Channel Bandwidth: 20 MHz

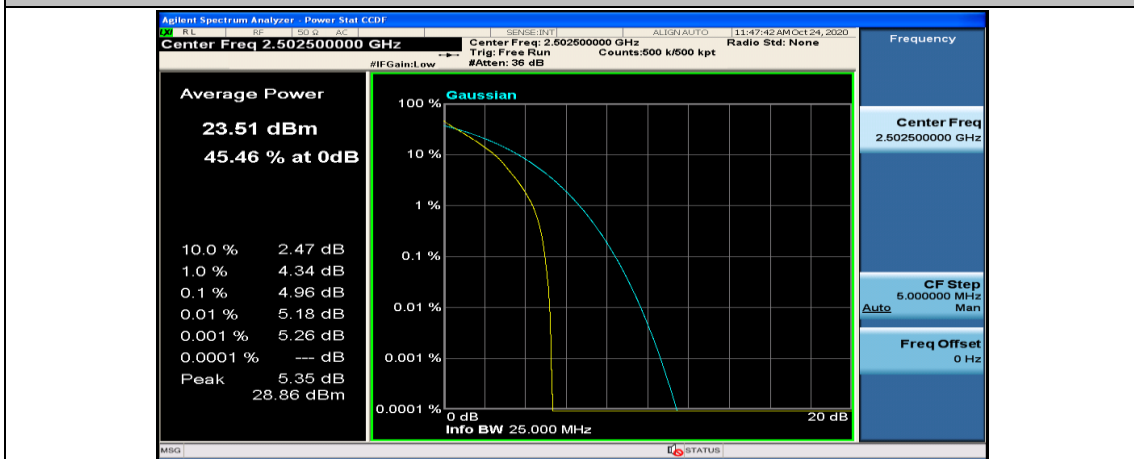
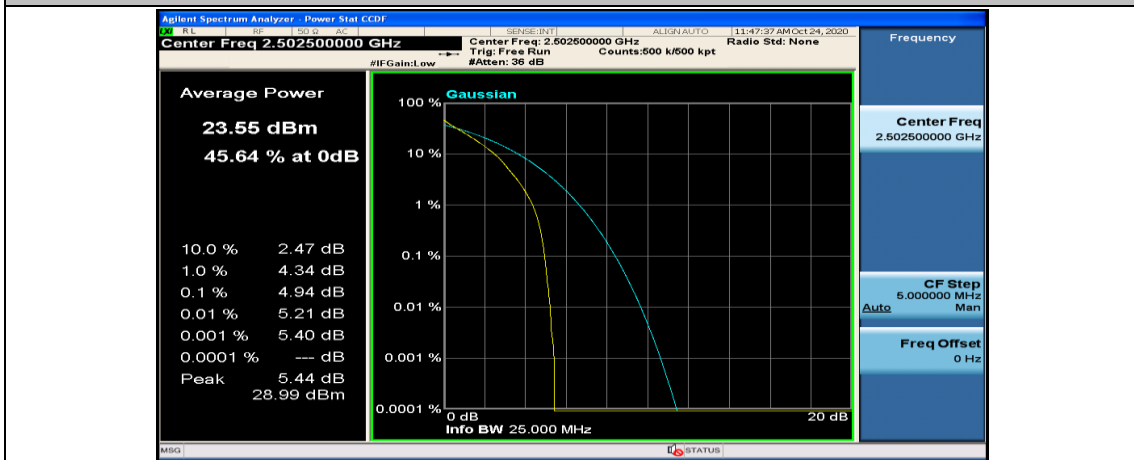
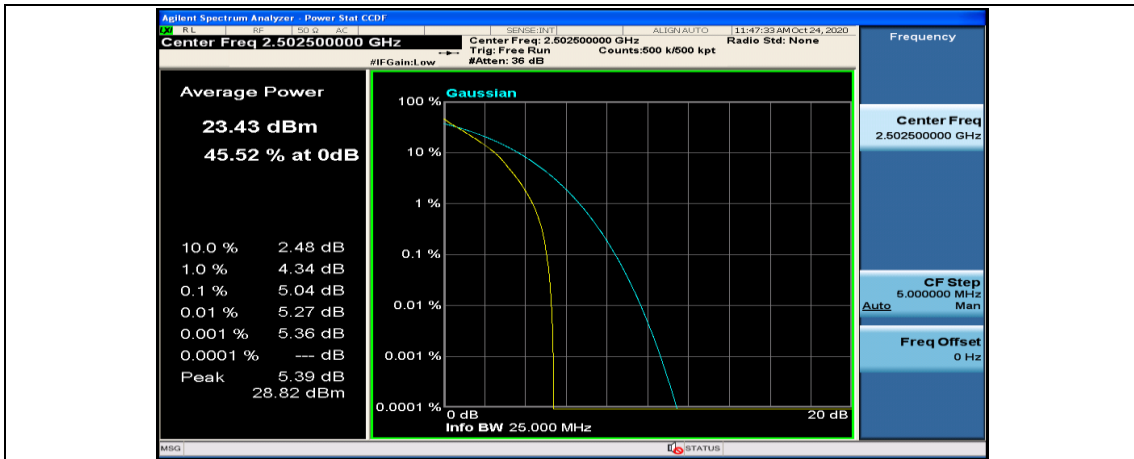
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.14	<13	PASS
		1	49	3.85	<13	PASS
		1	99	4.27	<13	PASS
		50	0	5.13	<13	PASS
		50	25	5.12	<13	PASS
		50	50	5.31	<13	PASS
		100	0	5.39	<13	PASS
	MCH	1	0	4.23	<13	PASS
		1	49	4.39	<13	PASS
		1	99	4.37	<13	PASS
		50	0	5.4	<13	PASS
		50	25	5.48	<13	PASS
		50	50	5.42	<13	PASS

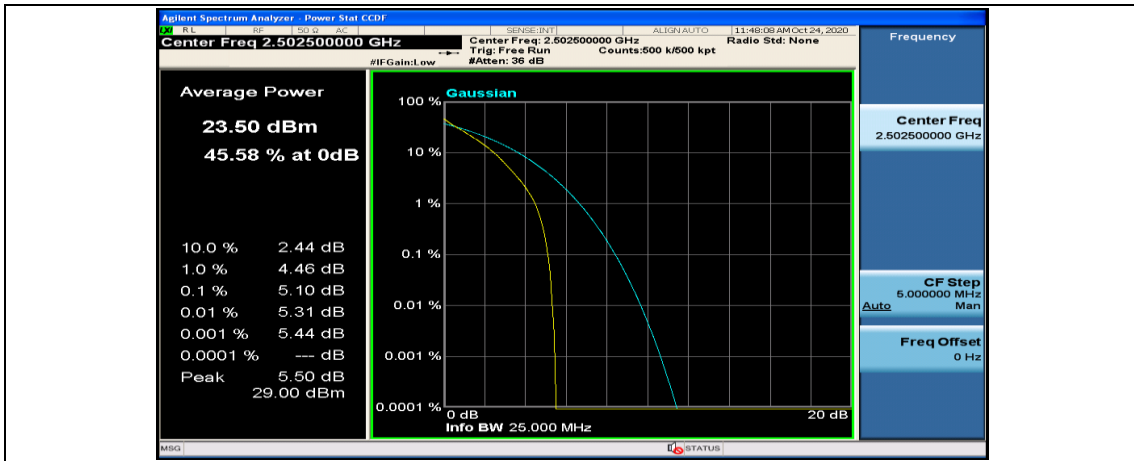
		100	0	5.55	<13	PASS
	HCH	1	0	4	<13	PASS
		1	49	3.5	<13	PASS
		1	99	4.07	<13	PASS
		50	0	4.78	<13	PASS
		50	25	4.72	<13	PASS
		50	50	4.93	<13	PASS
100	0	5.32	<13	PASS		
16QAM	LCH	1	0	4.92	<13	PASS
		1	49	4.58	<13	PASS
		1	99	5.14	<13	PASS
		50	0	6.03	<13	PASS
		50	25	6.02	<13	PASS
		50	50	6.17	<13	PASS
		100	0	6.19	<13	PASS
	MCH	1	0	5.08	<13	PASS
		1	49	5.16	<13	PASS
		1	99	5.18	<13	PASS
		50	0	6.25	<13	PASS
		50	25	6.28	<13	PASS
		50	50	6.24	<13	PASS
		100	0	6.37	<13	PASS
	HCH	1	0	4.92	<13	PASS
		1	49	4.49	<13	PASS
		1	99	5	<13	PASS
		50	0	5.68	<13	PASS
		50	25	5.6	<13	PASS
		50	50	5.79	<13	PASS
		100	0	6.1	<13	PASS

Test Graphs

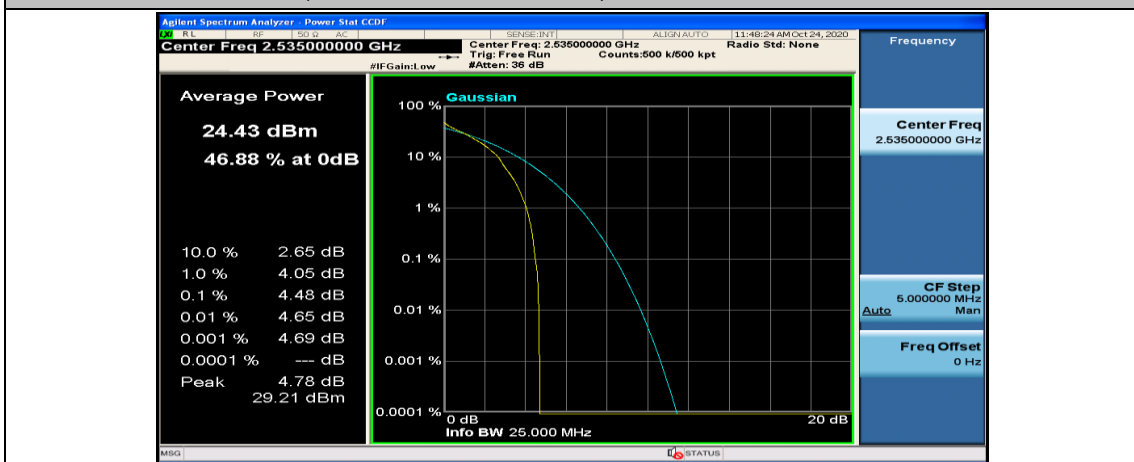
Channel Bandwidth: 5 MHz



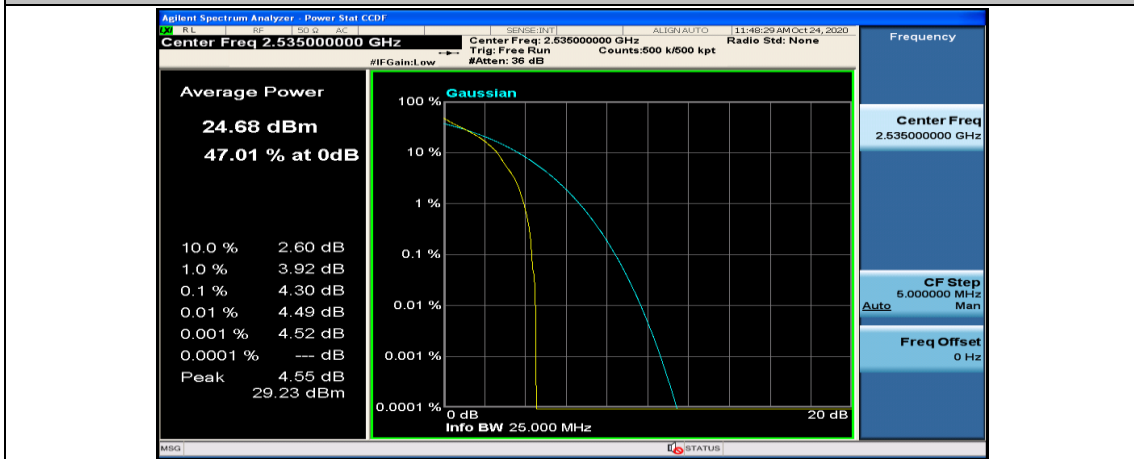




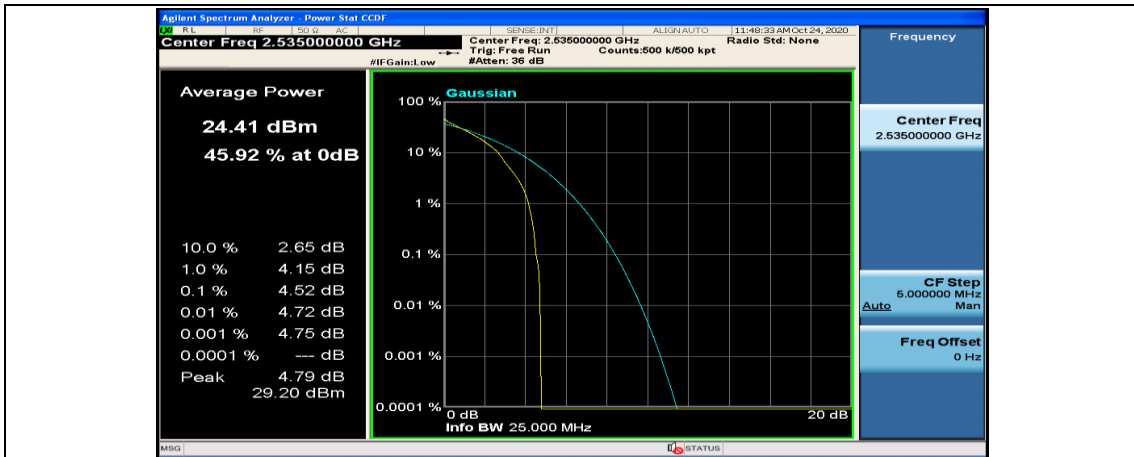
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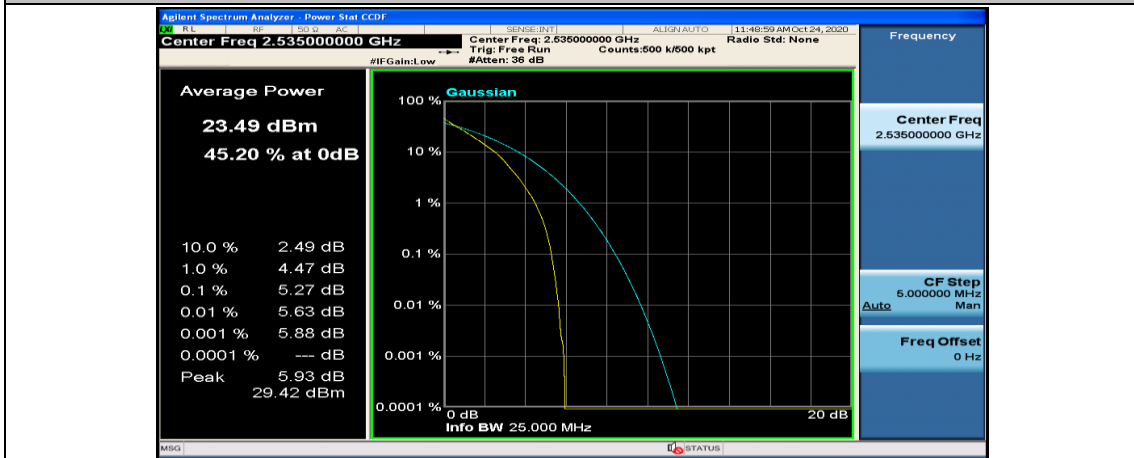
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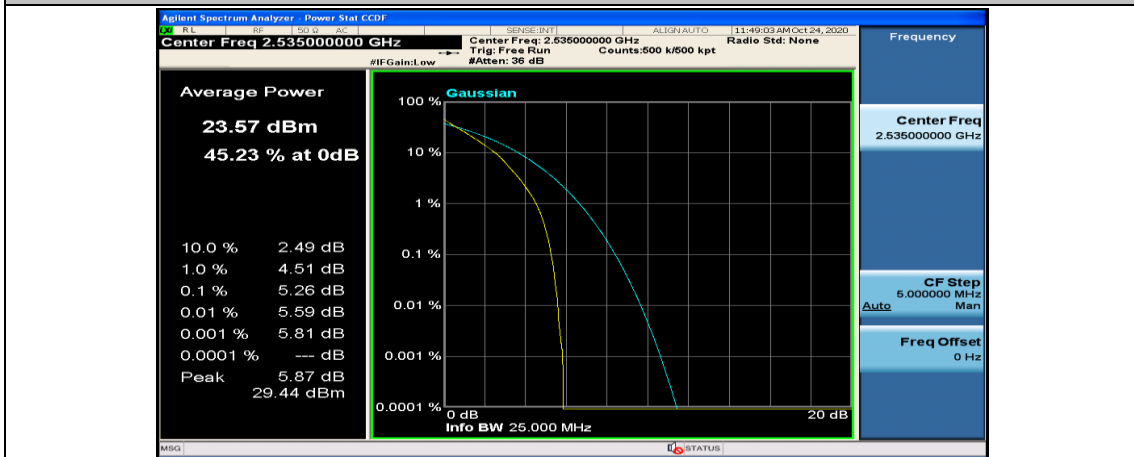
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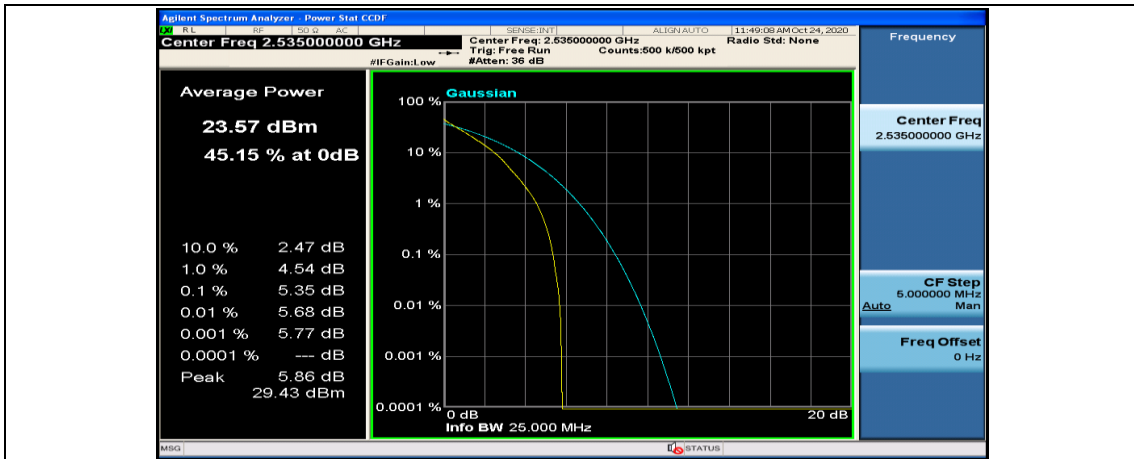
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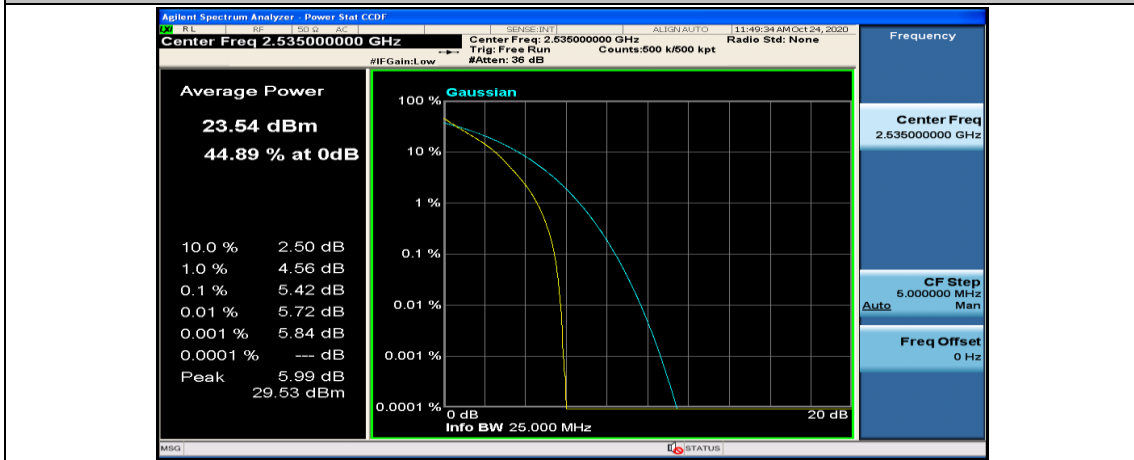
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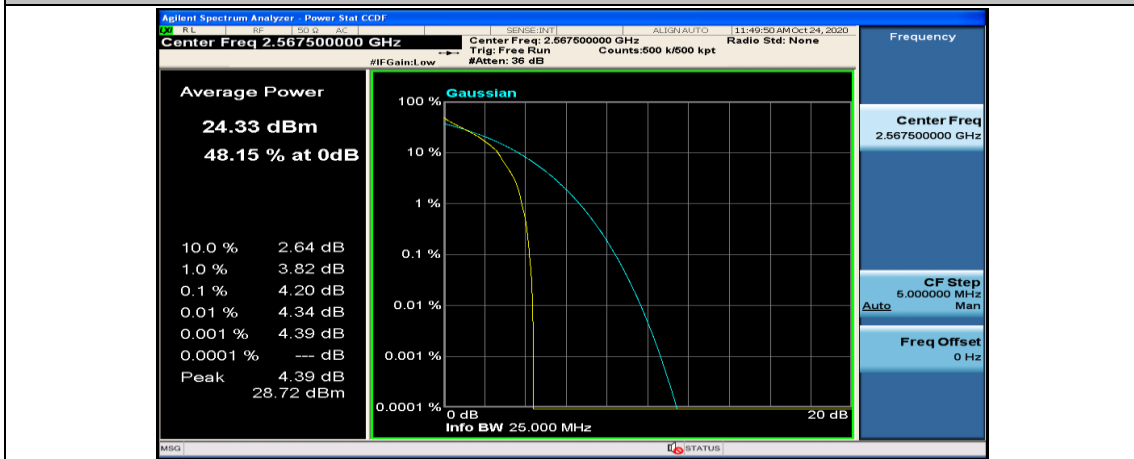
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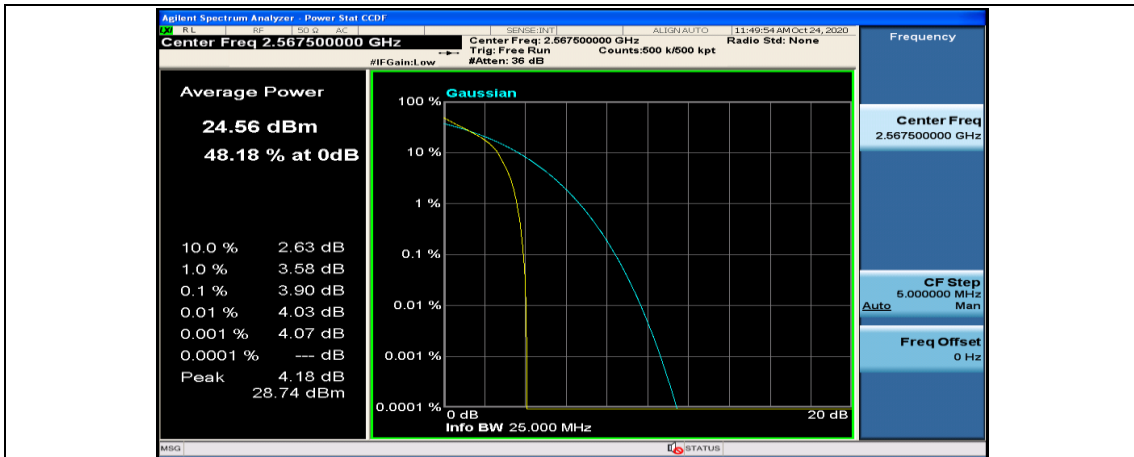
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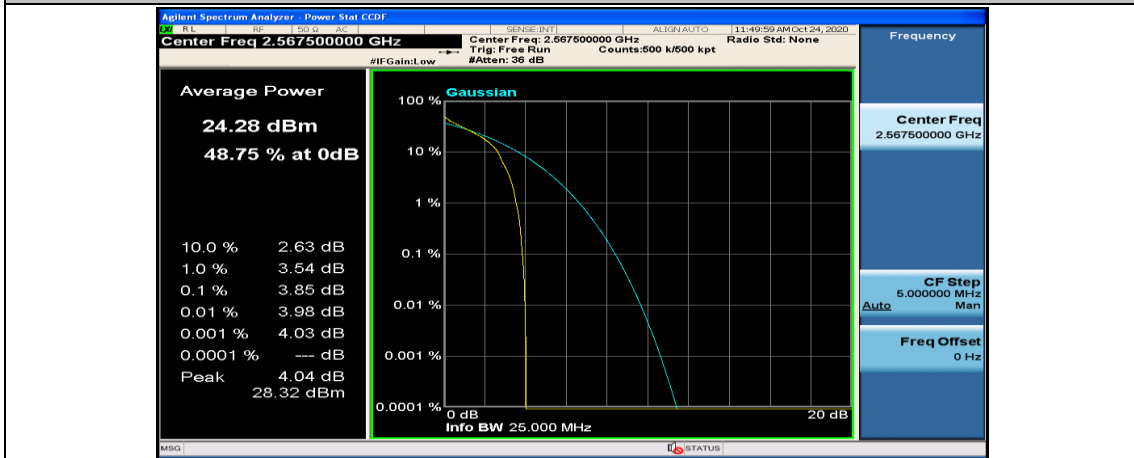
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



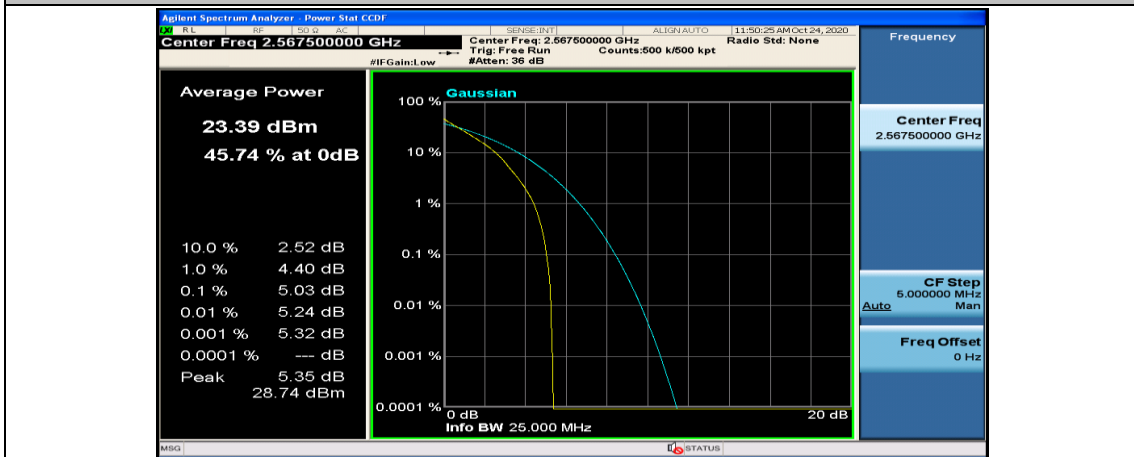
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



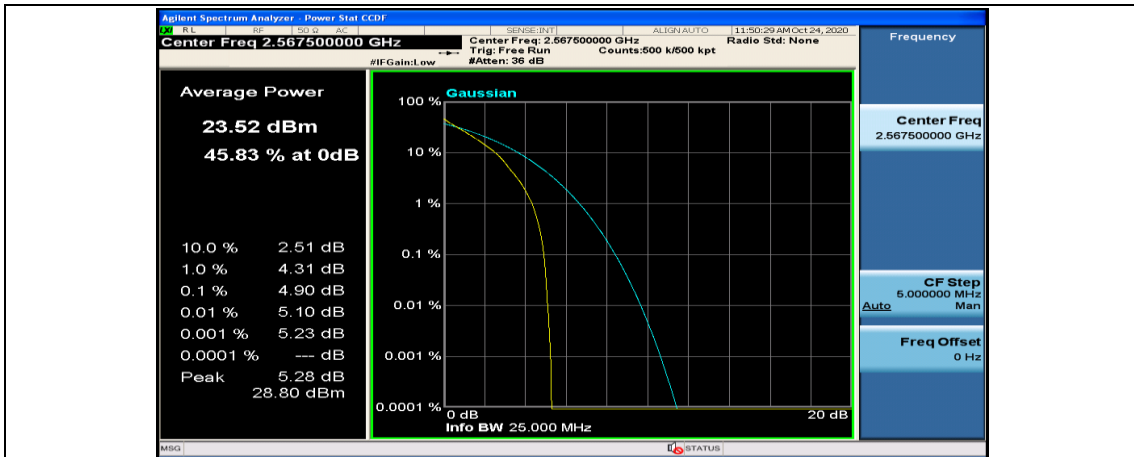
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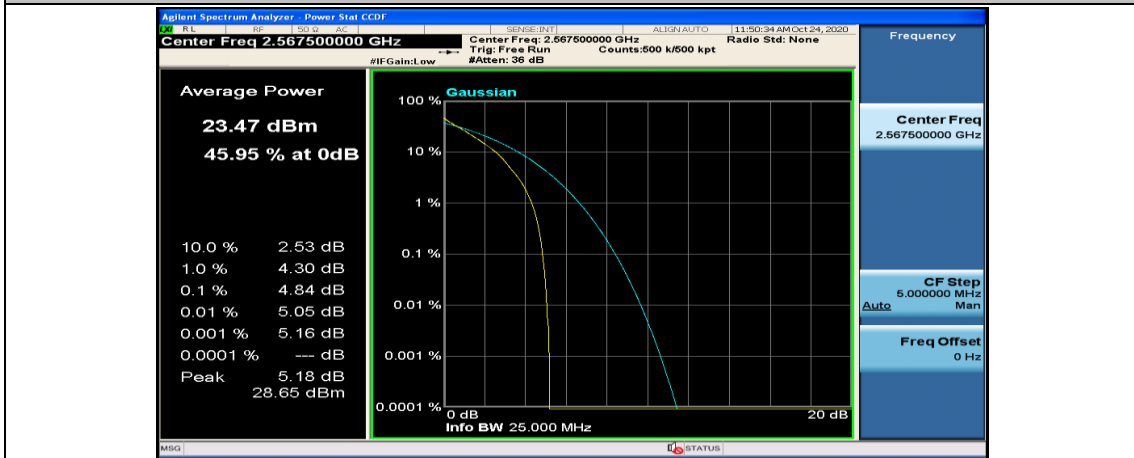
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



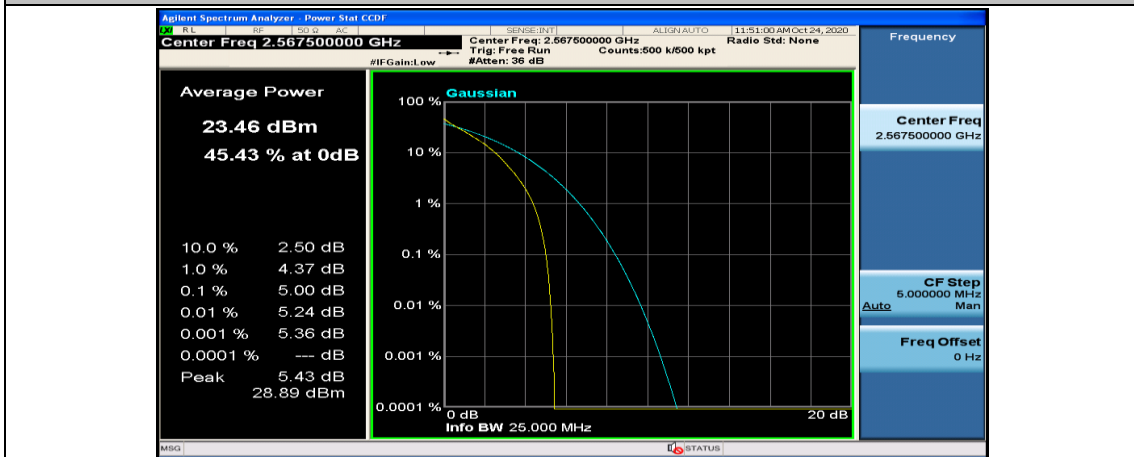
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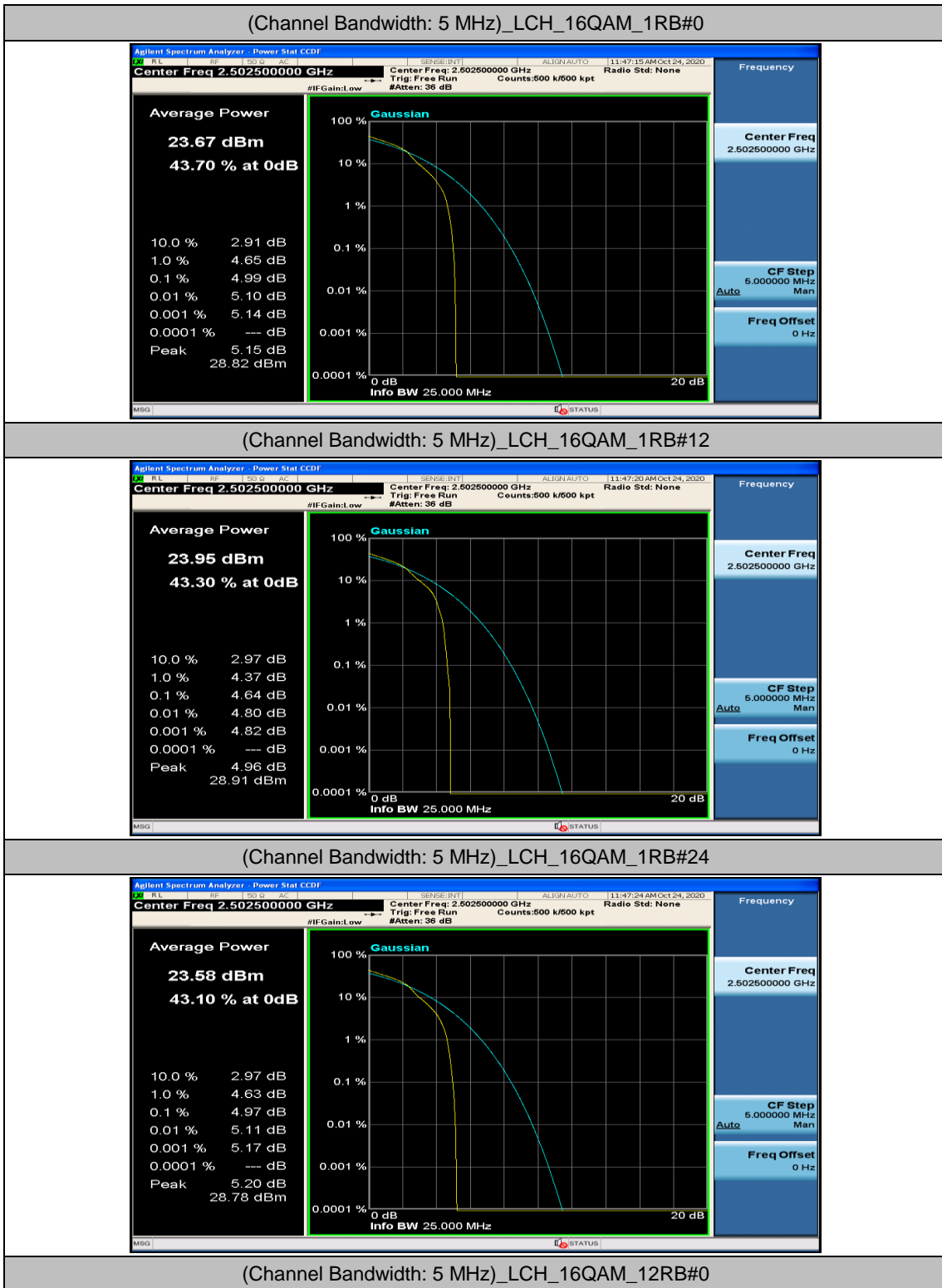


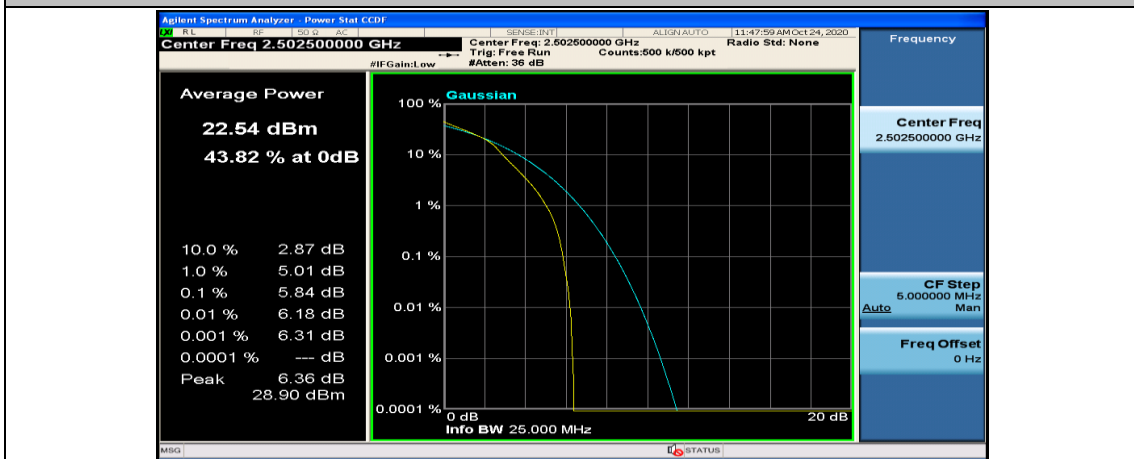
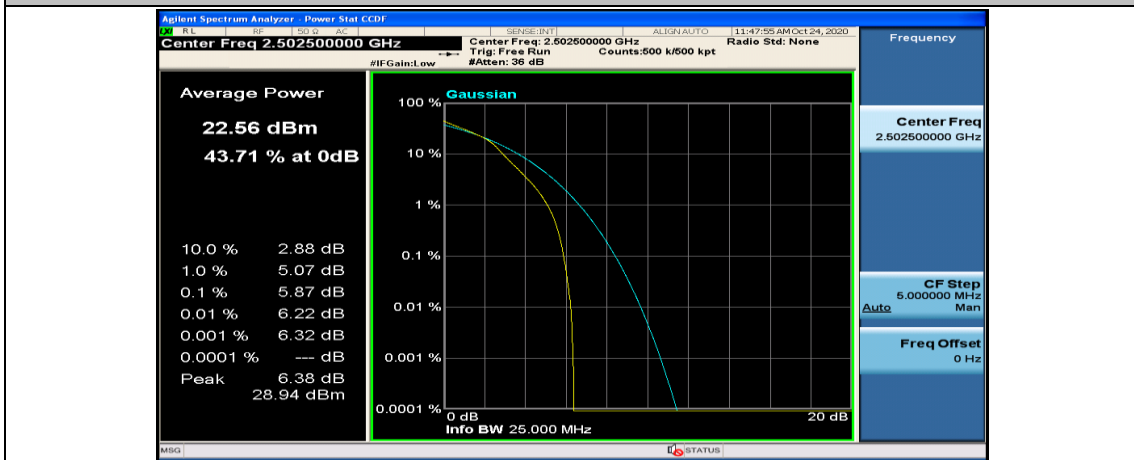
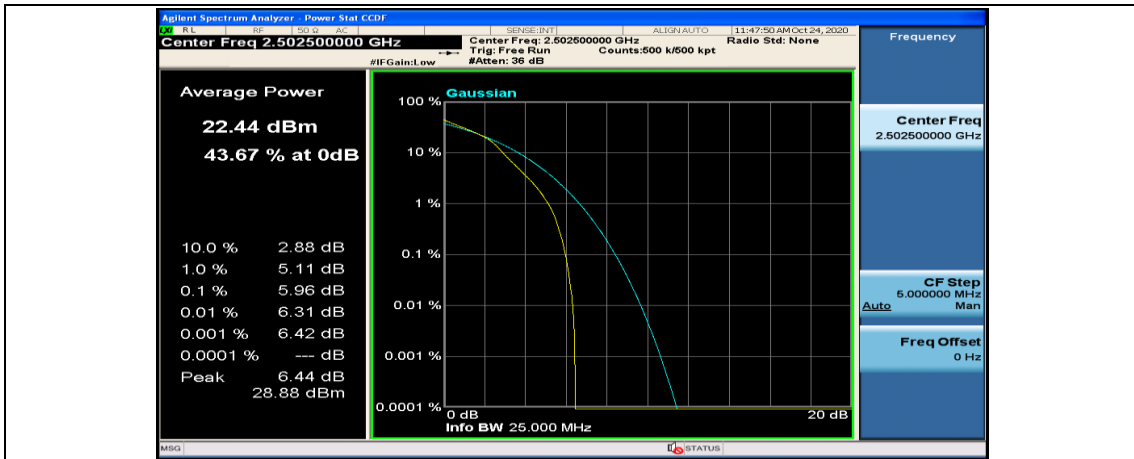
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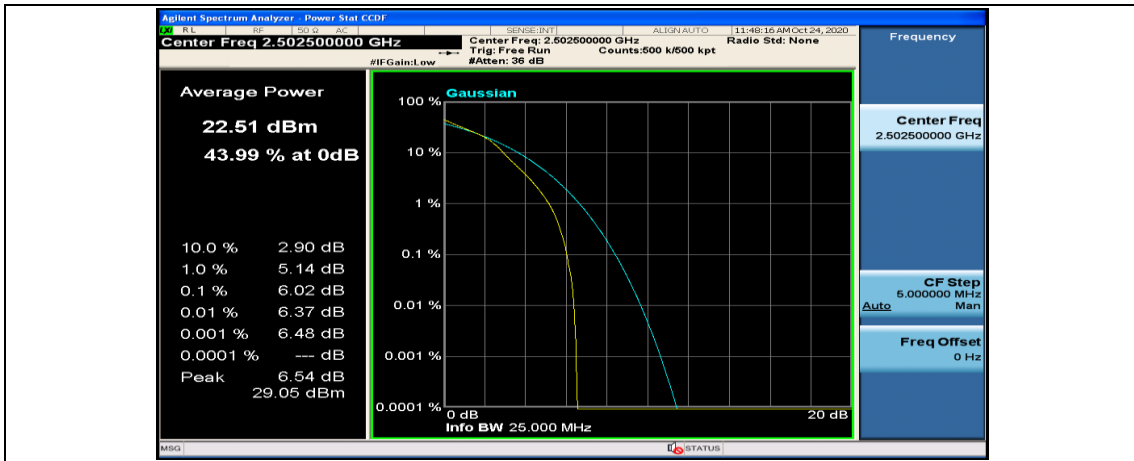


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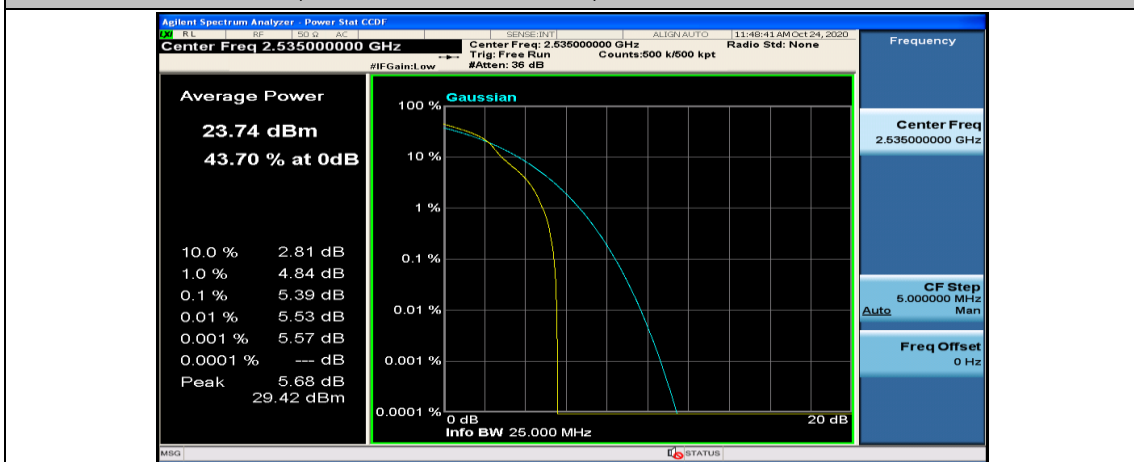




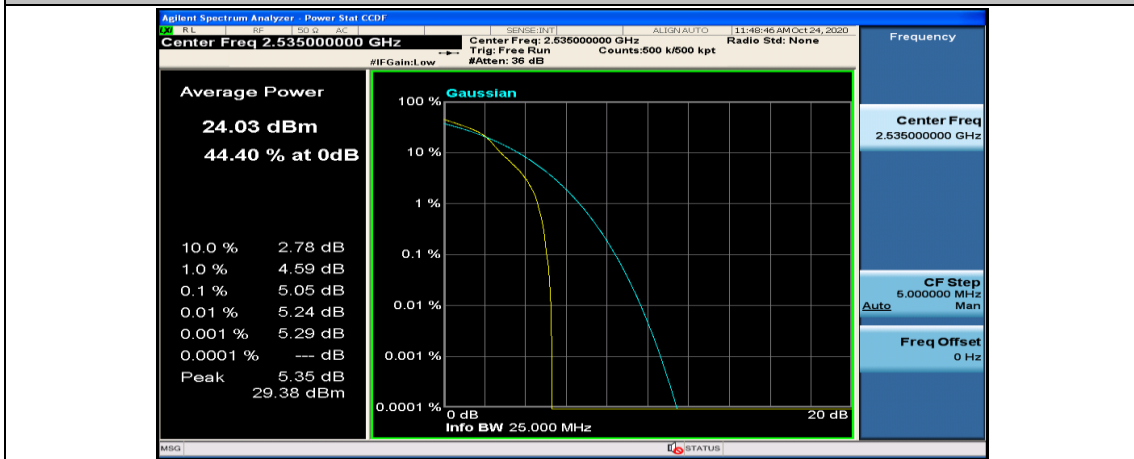




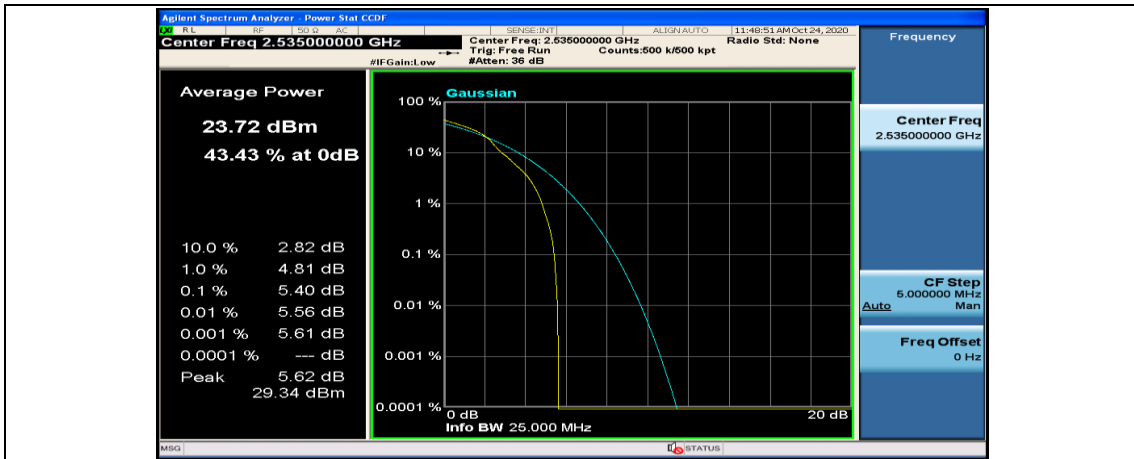
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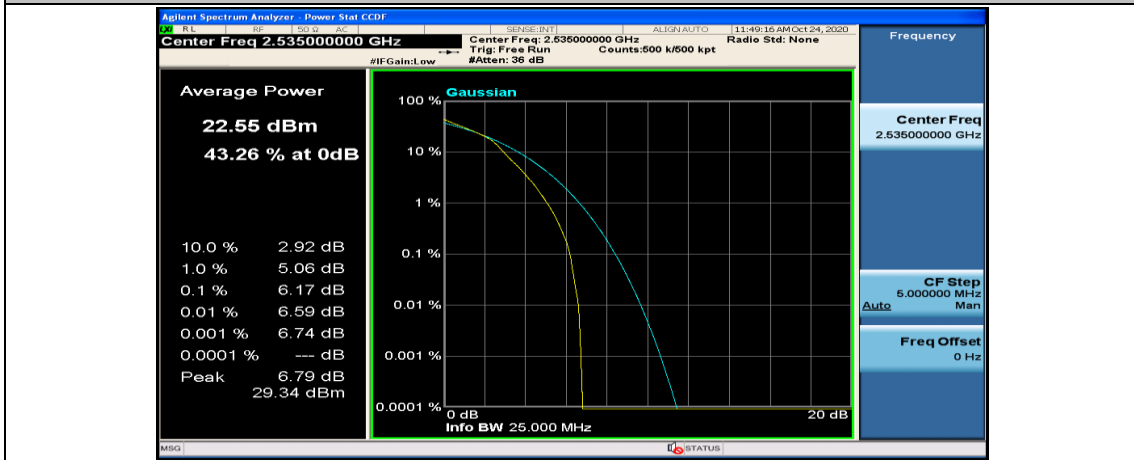
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



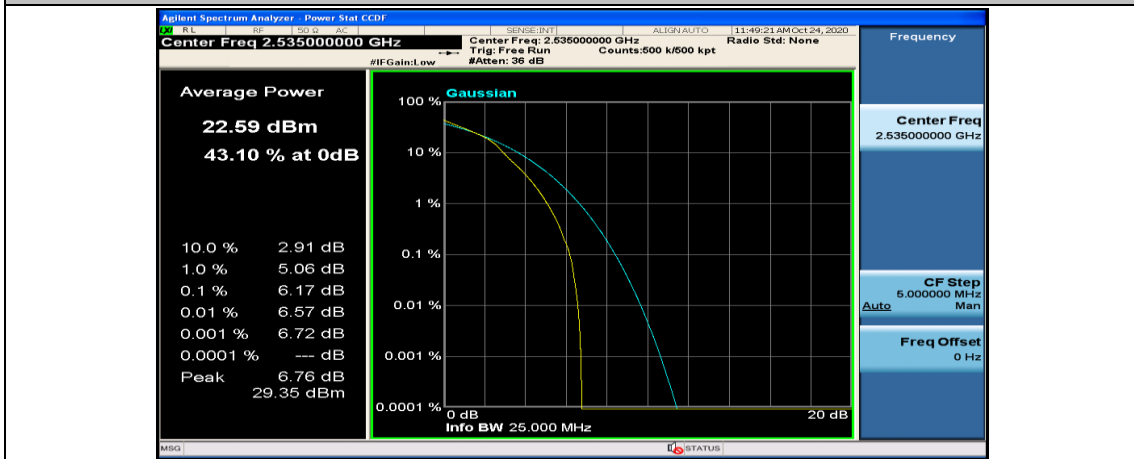
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



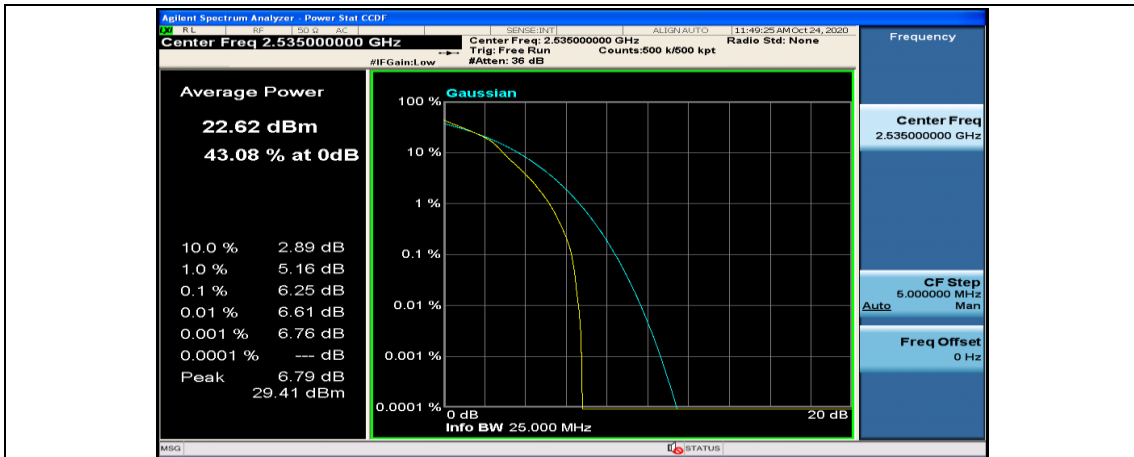
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



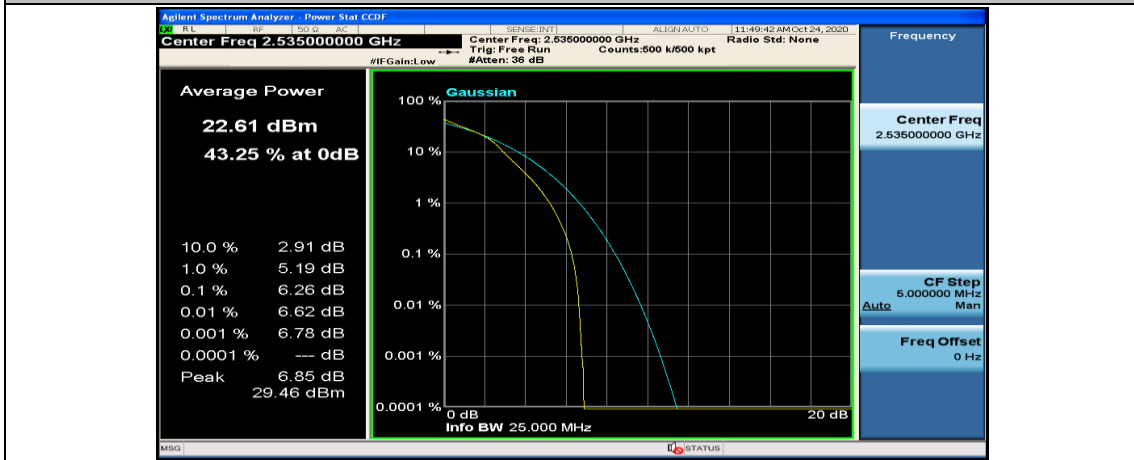
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



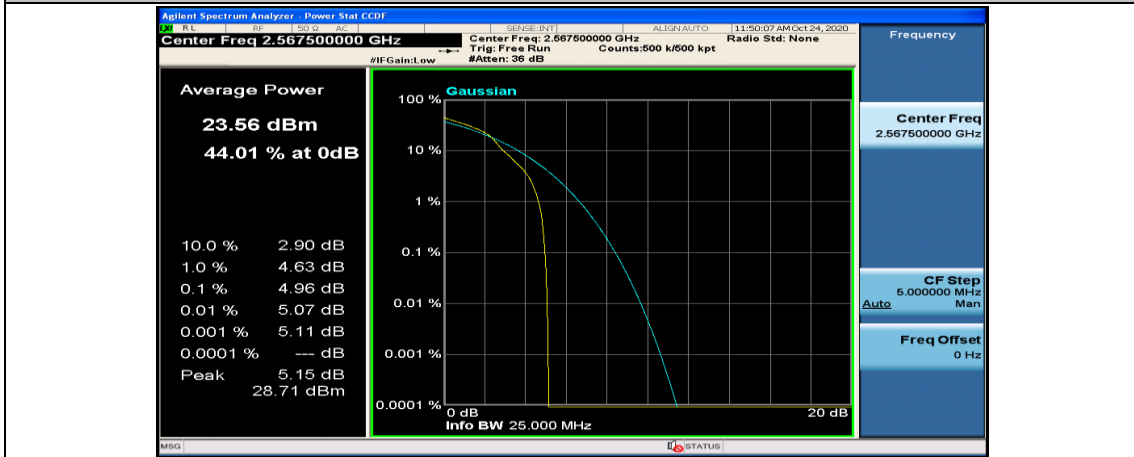
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



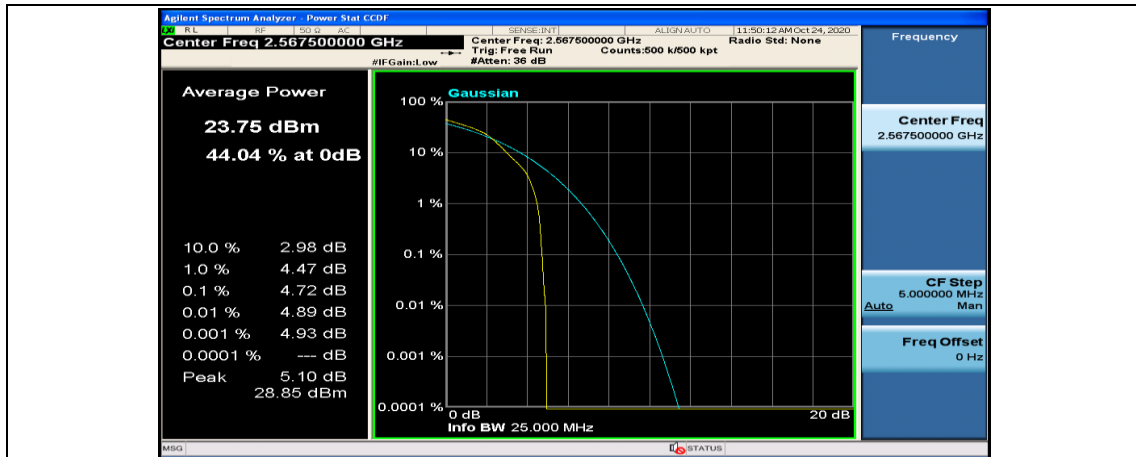
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



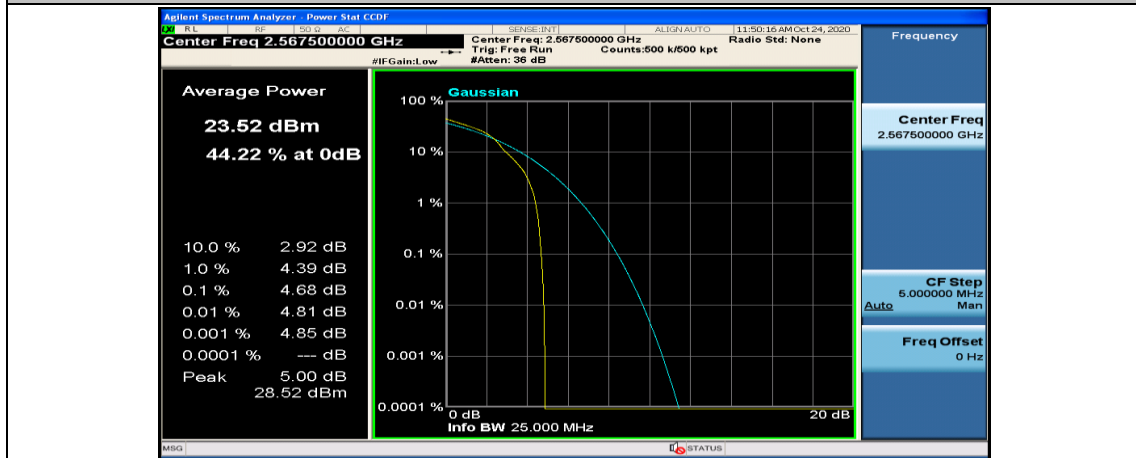
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



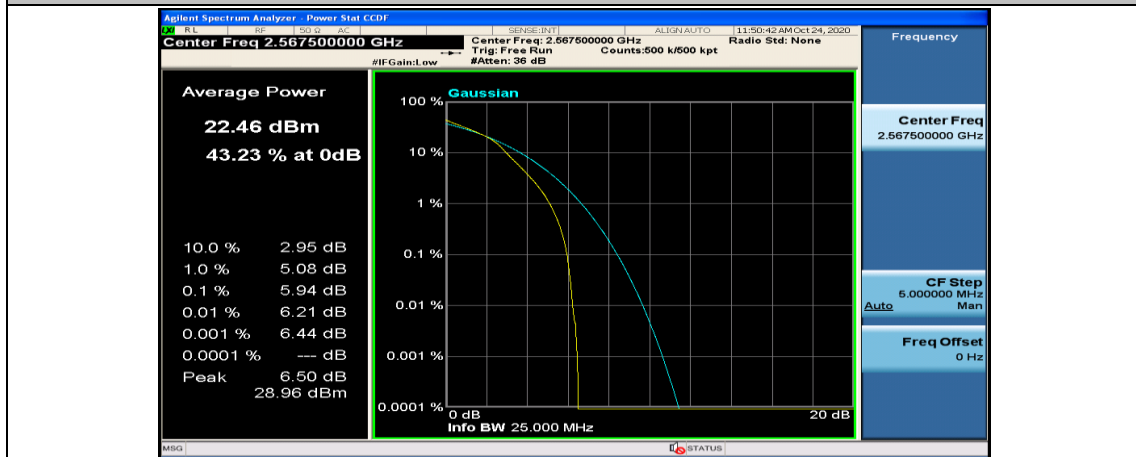
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



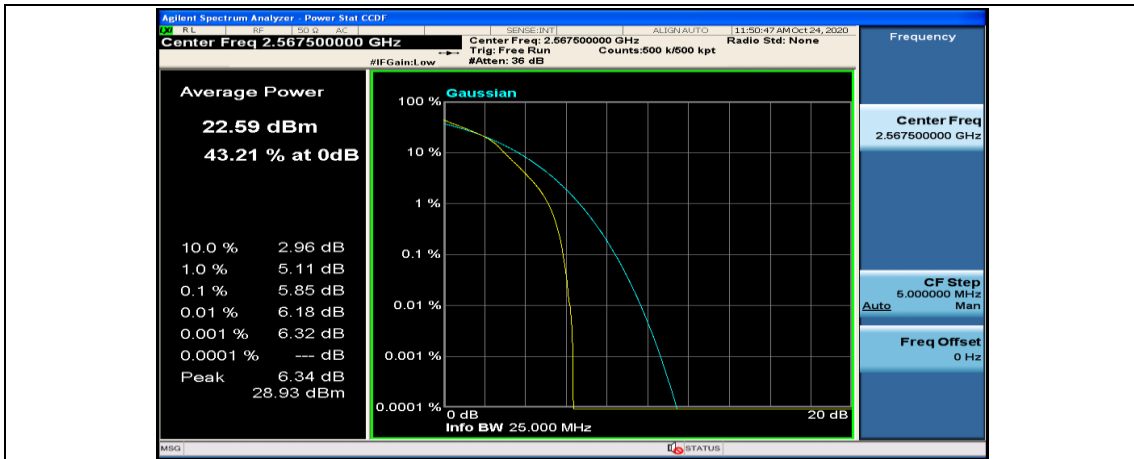
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



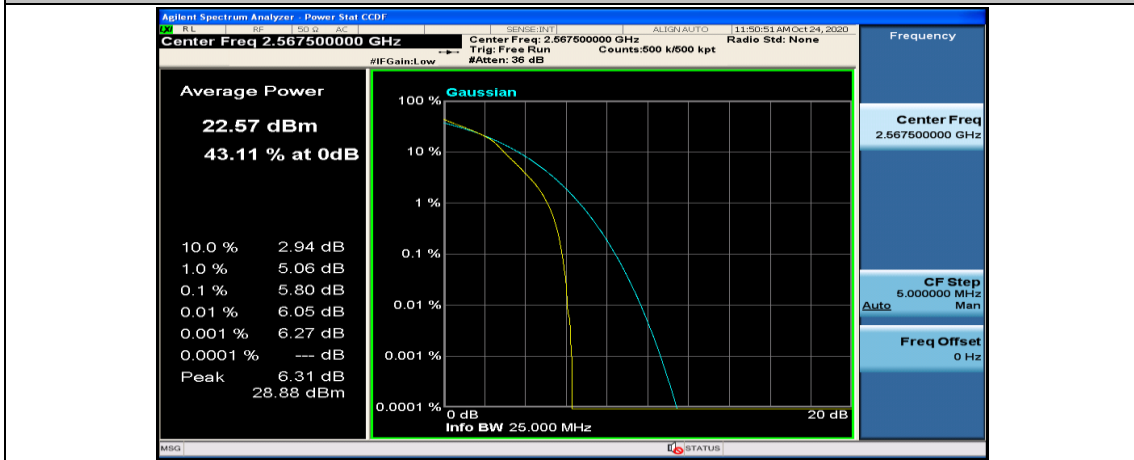
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



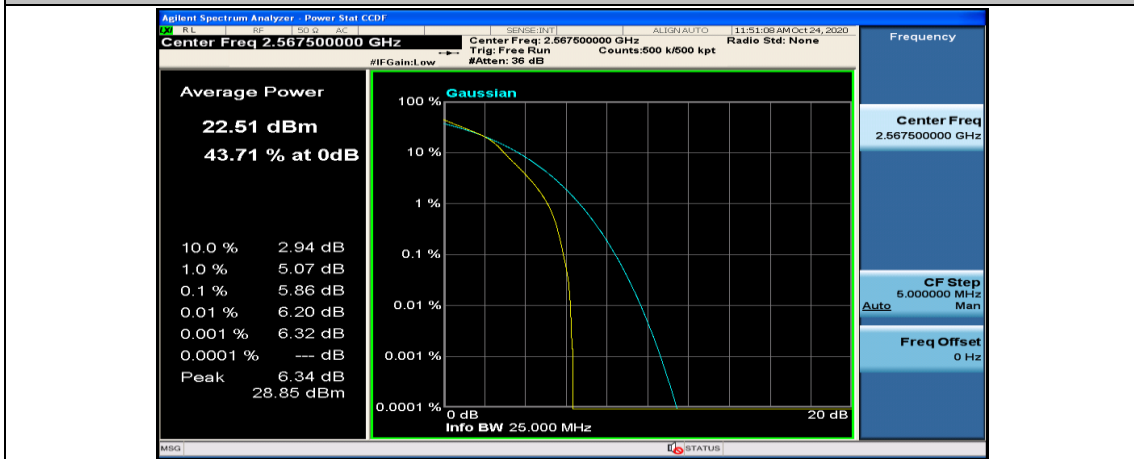
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



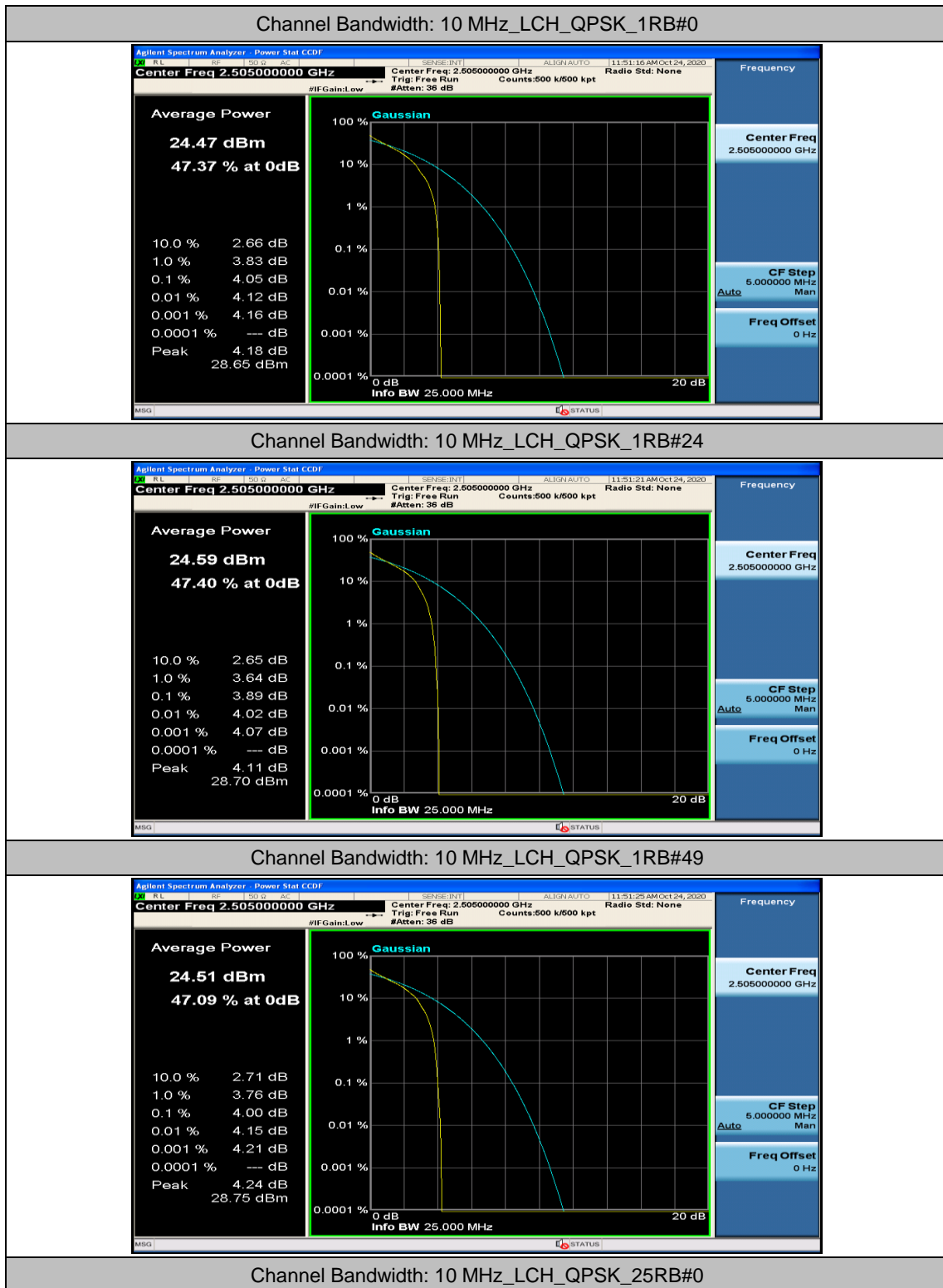
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

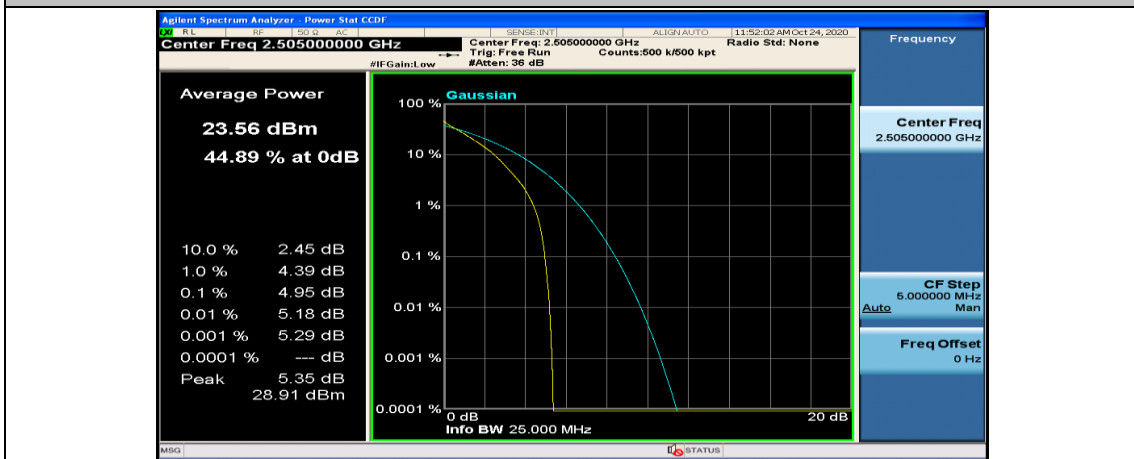
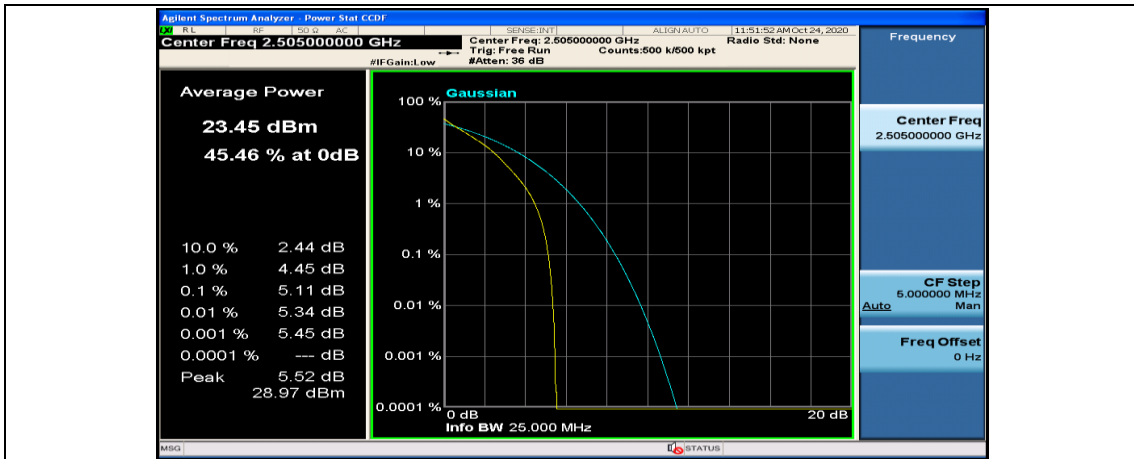


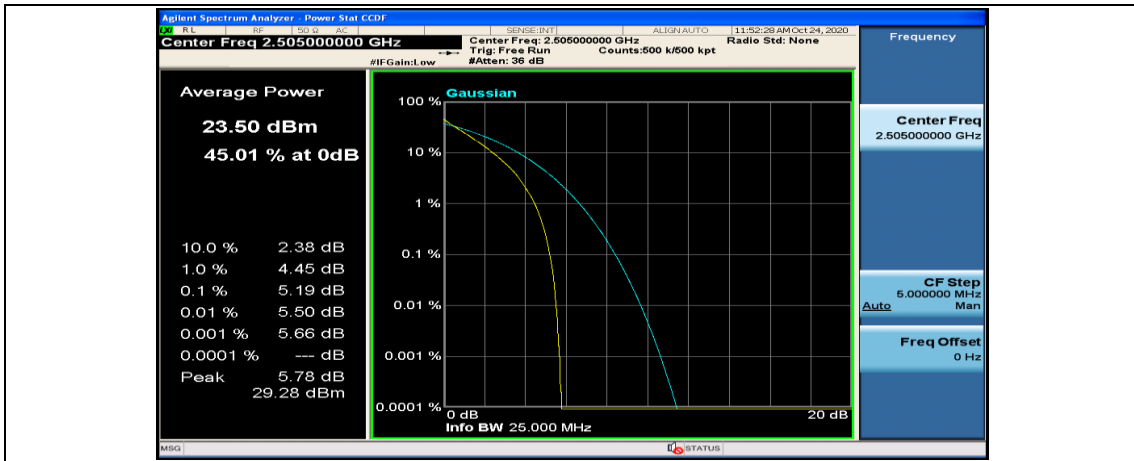
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



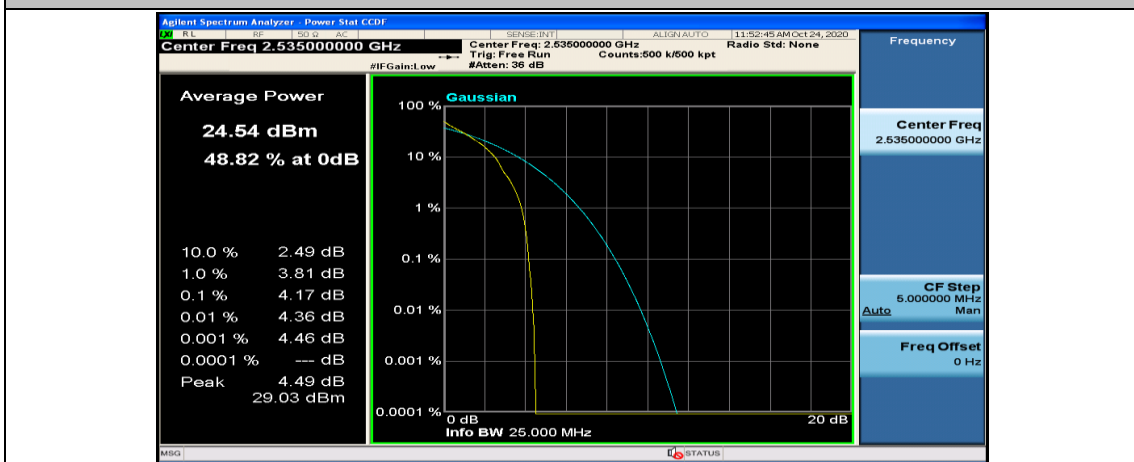
Channel Bandwidth: 10 MHz



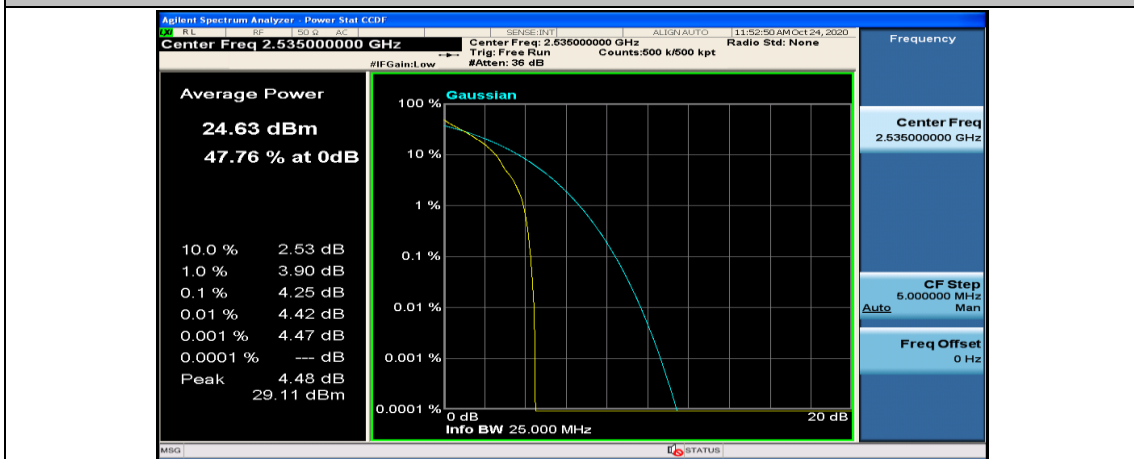




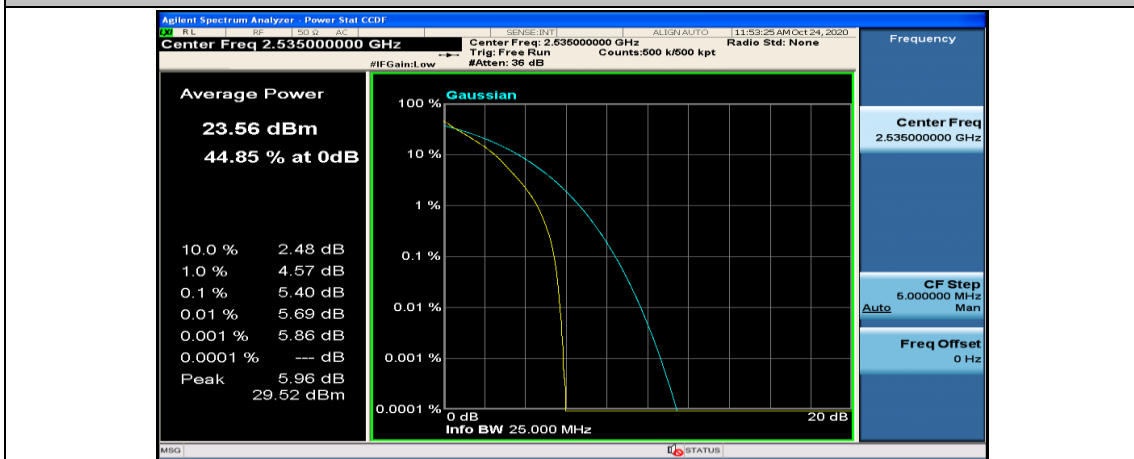
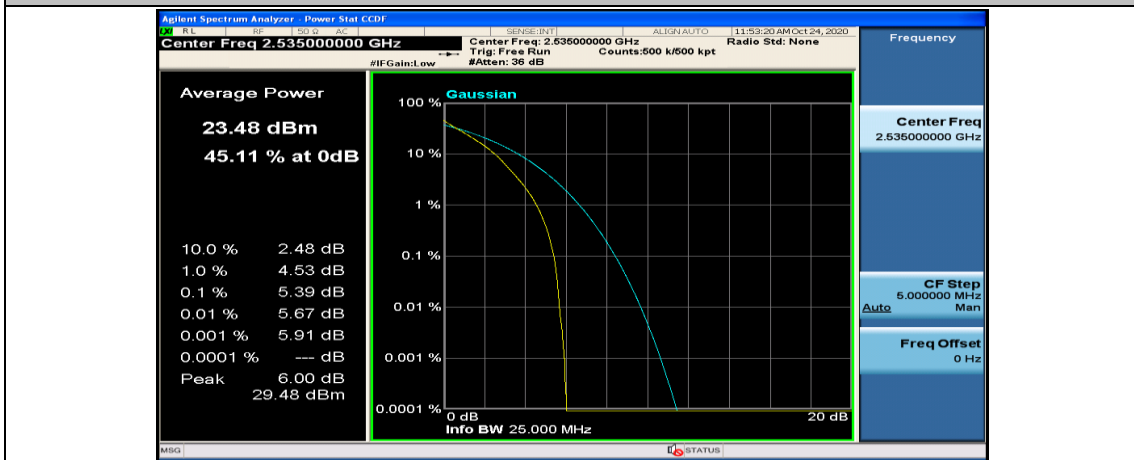
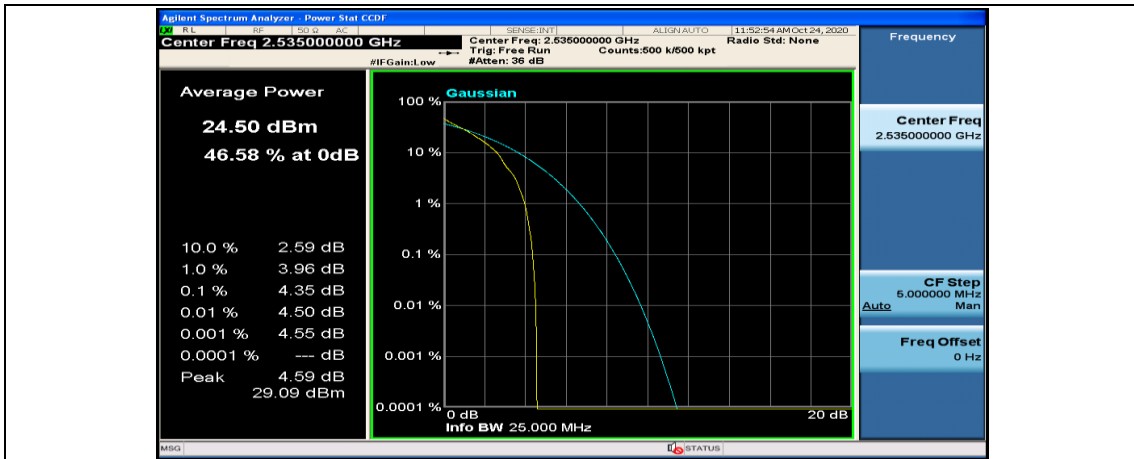
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

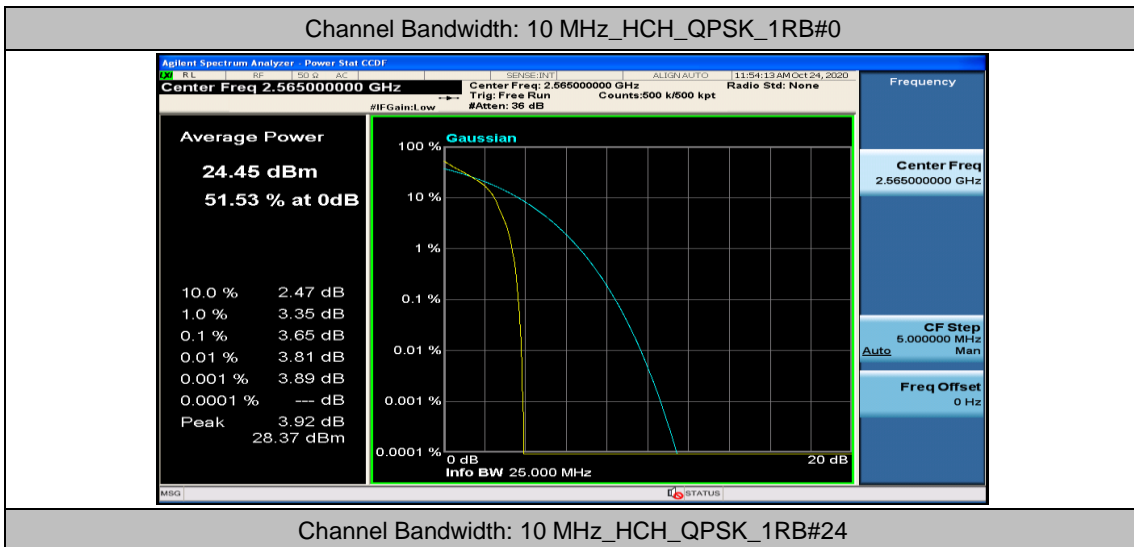
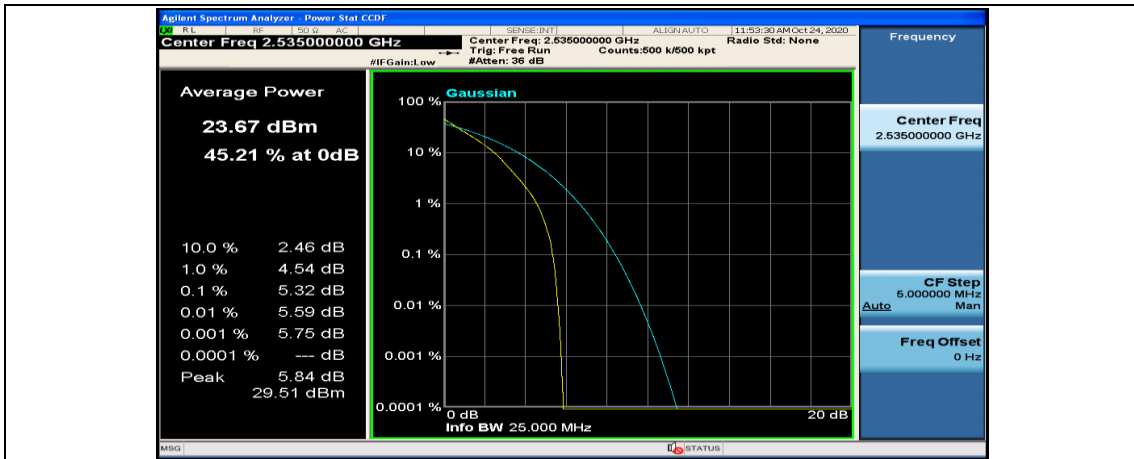


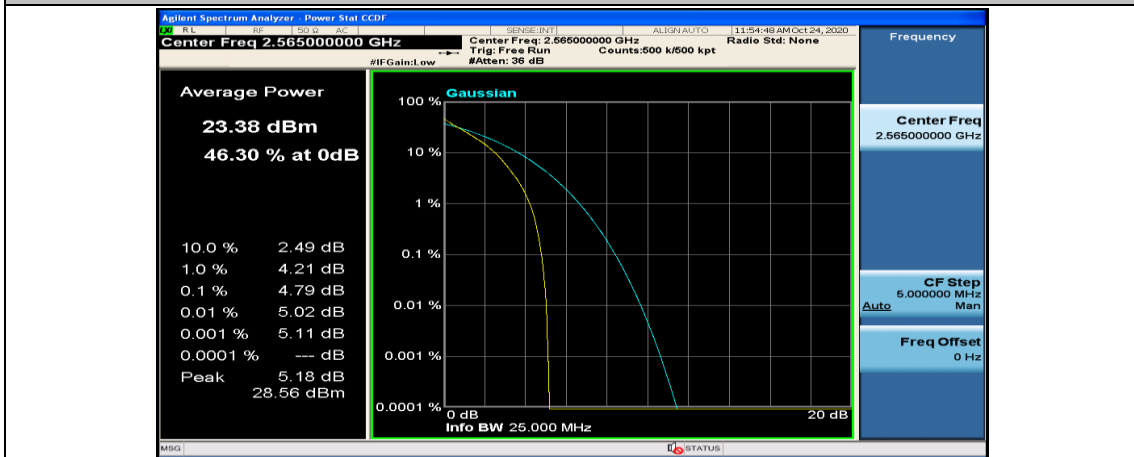
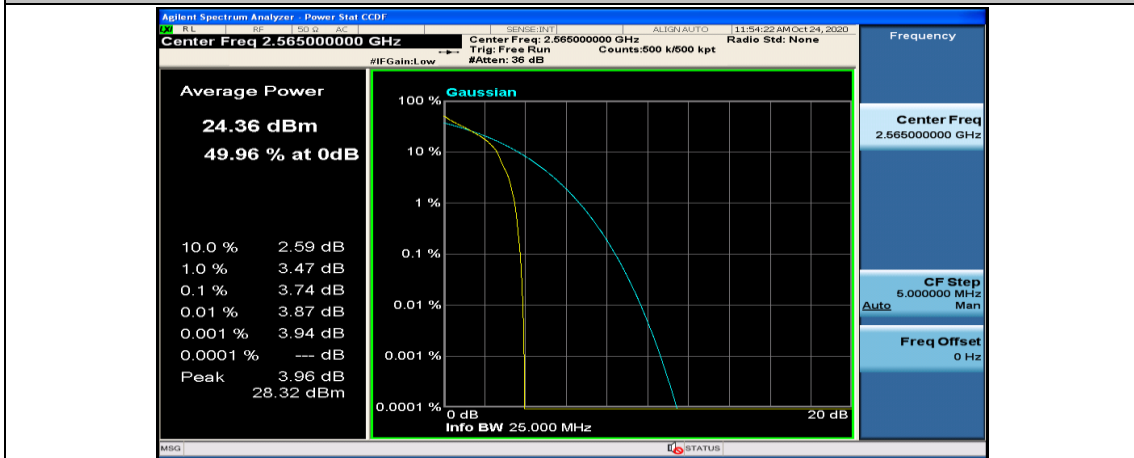
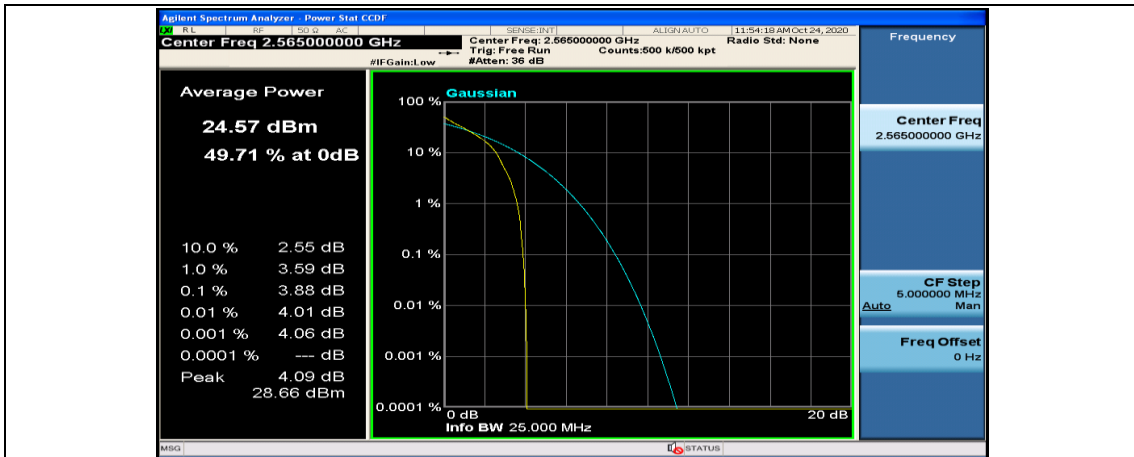
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

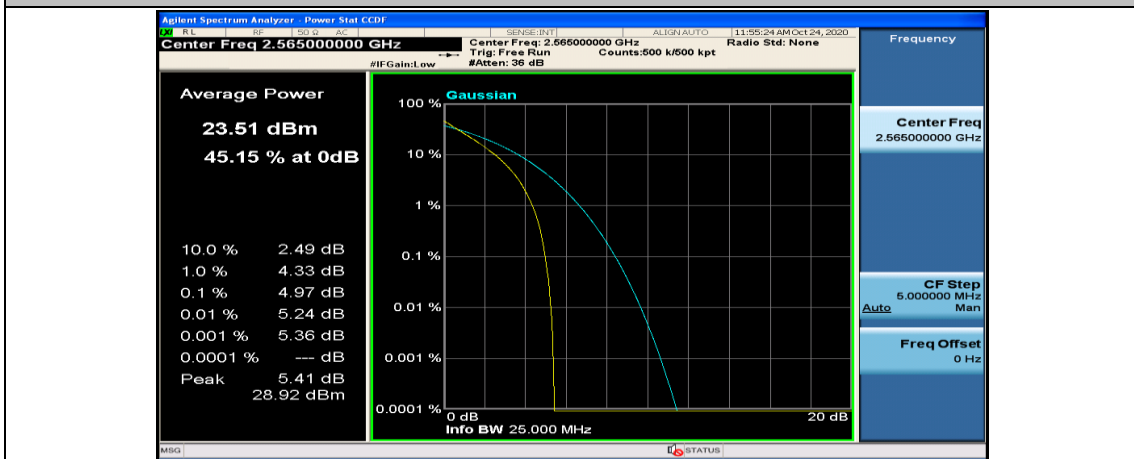
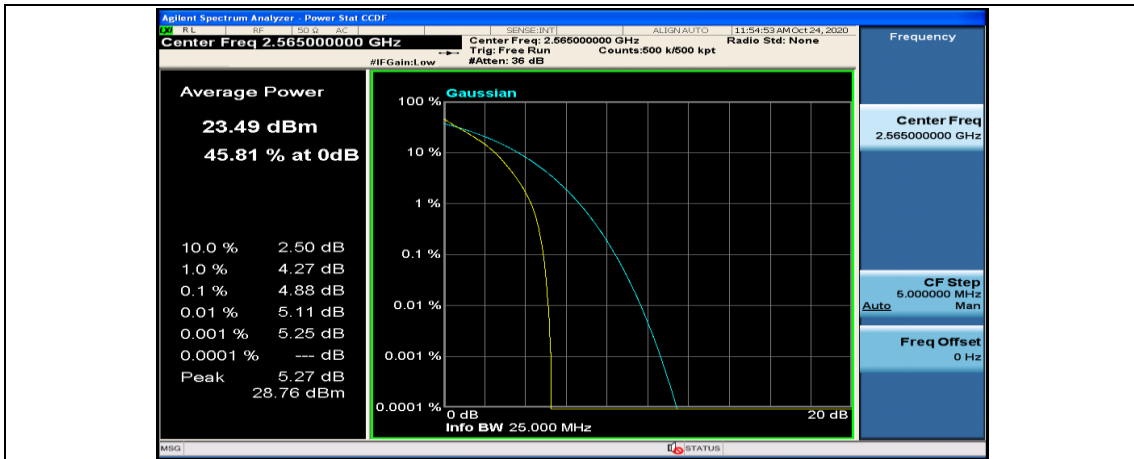


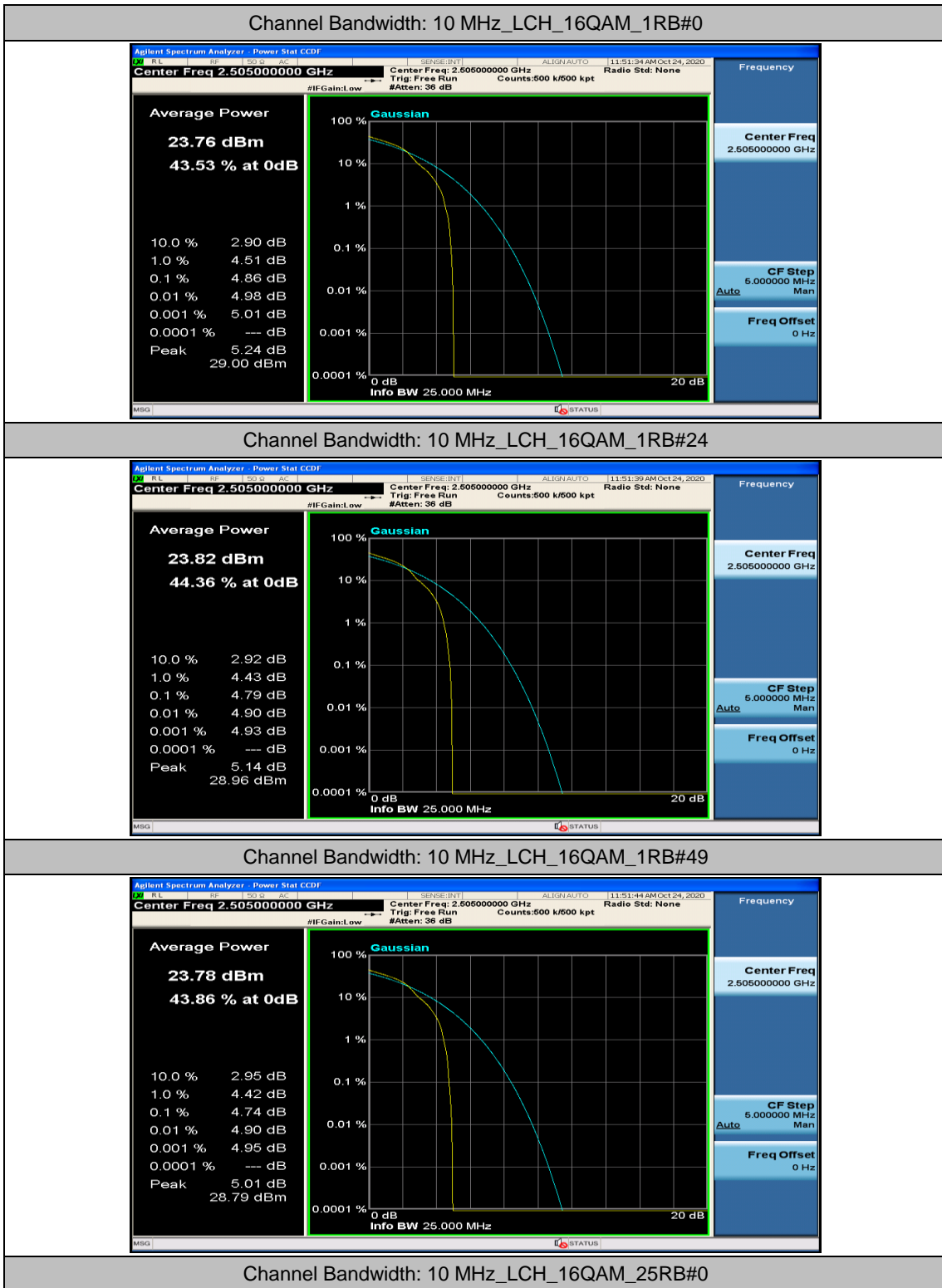
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

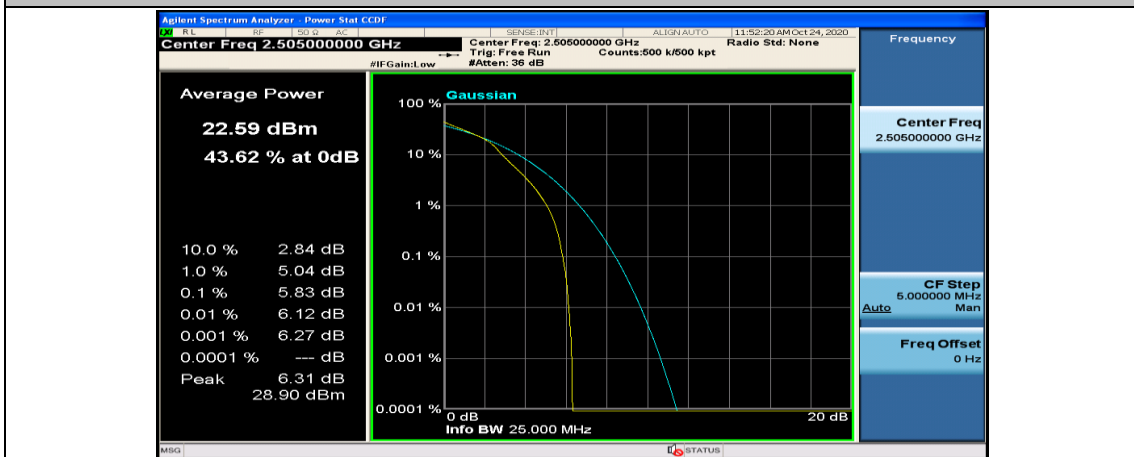
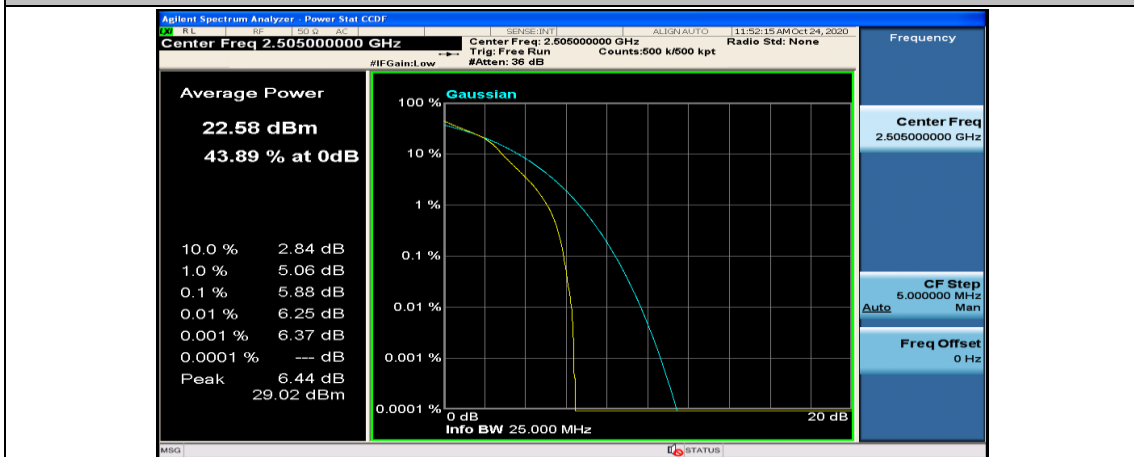
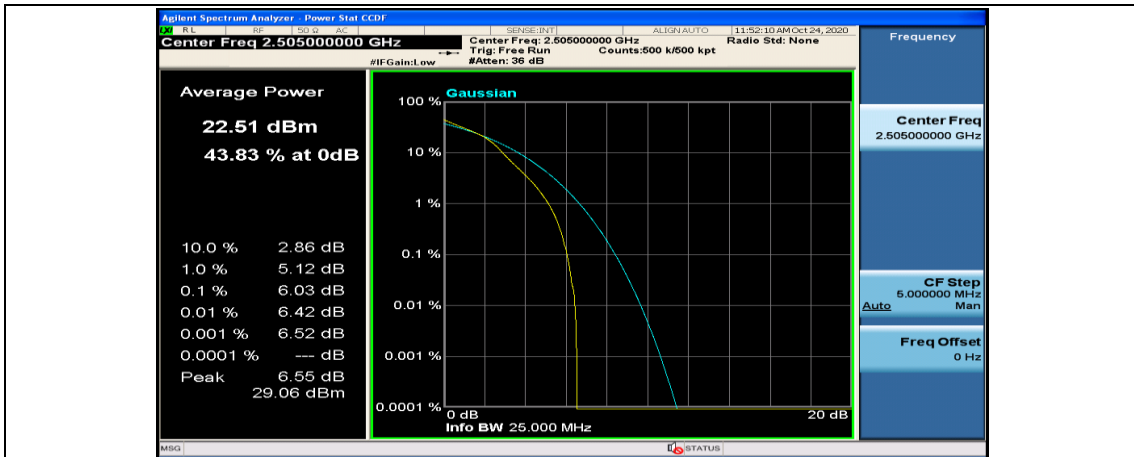


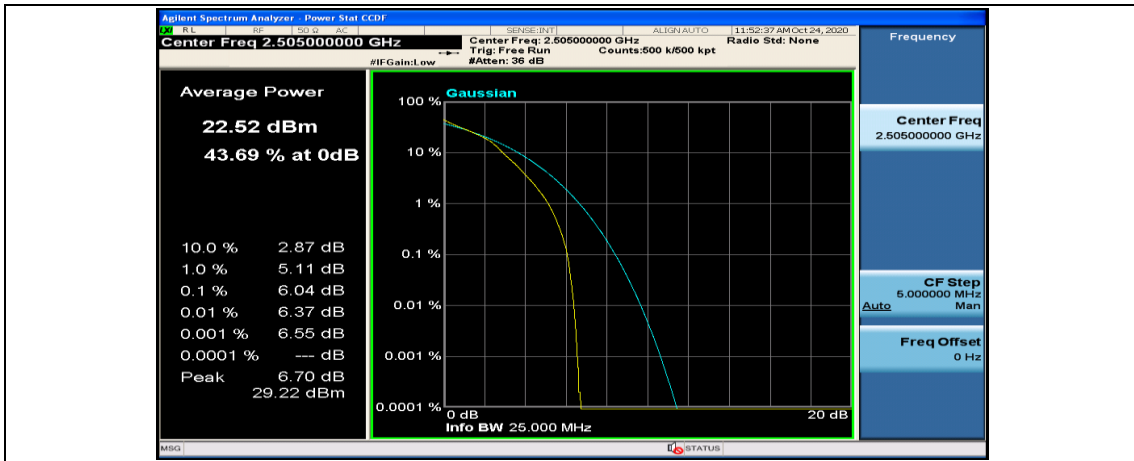




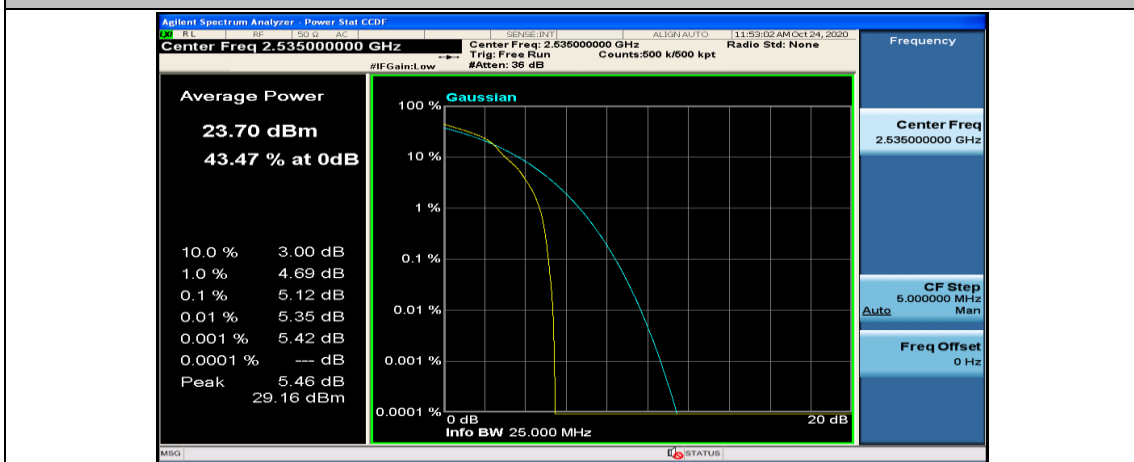




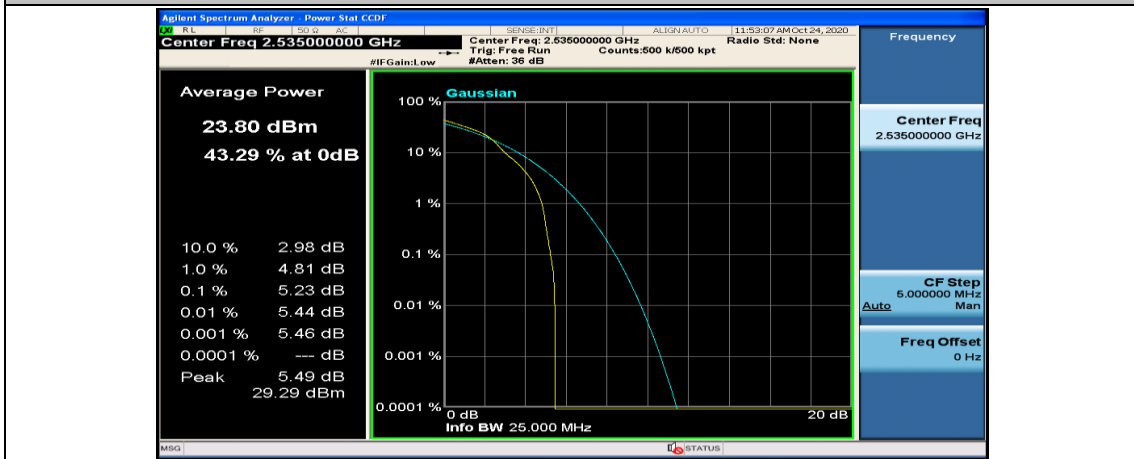




Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

