

Appendix for Band 7

Product Name: Smart Phone

Model No: L285

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	22.55	PASS
		1	12	24.29	PASS
		1	24	24.27	PASS
		12	0	23.36	PASS
		12	6	23.34	PASS
		12	13	23.38	PASS
		25	0	23.38	PASS
	MCH	1	0	24.27	PASS
		1	12	24.34	PASS
		1	24	24.31	PASS
		12	0	23.49	PASS
		12	6	23.42	PASS
		12	13	23.51	PASS
		25	0	23.46	PASS
	HCH	1	0	24.44	PASS
		1	12	24.43	PASS
		1	24	24.38	PASS
		12	0	23.33	PASS
		12	6	23.40	PASS
		12	13	23.36	PASS
		25	0	23.44	PASS
16QAM	LCH	1	0	23.89	PASS
		1	12	23.94	PASS
		1	24	23.98	PASS
		12	0	22.54	PASS
		12	6	22.46	PASS
		12	13	22.41	PASS
		25	0	22.65	PASS
	MCH	1	0	24.14	PASS
		1	12	24.05	PASS
		1	24	23.99	PASS
		12	0	22.59	PASS
		12	6	22.62	PASS

		12	13	22.64	PASS
		25	0	22.75	PASS
	HCH	1	0	23.24	PASS
		1	12	23.02	PASS
		1	24	23.07	PASS
		12	0	22.41	PASS
		12	6	22.39	PASS
		12	13	22.48	PASS
		25	0	22.60	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.21	PASS
		1	24	24.20	PASS
		1	49	24.31	PASS
		25	0	23.41	PASS
		25	12	23.45	PASS
		25	25	23.39	PASS
		50	0	23.42	PASS
	MCH	1	0	24.54	PASS
		1	24	24.51	PASS
		1	49	24.55	PASS
		25	0	23.49	PASS
		25	12	23.44	PASS
		25	25	23.44	PASS
		50	0	23.40	PASS
	HCH	1	0	24.33	PASS
		1	24	24.34	PASS
		1	49	24.32	PASS
		25	0	23.37	PASS
		25	12	23.48	PASS
		25	25	23.36	PASS
		50	0	23.37	PASS
16QAM	LCH	1	0	24.19	PASS
		1	24	24.22	PASS
		1	49	24.28	PASS
		25	0	22.41	PASS
		25	12	22.47	PASS
		25	25	22.48	PASS
		50	0	22.57	PASS

	MCH	1	0	24.05	PASS
		1	24	24.04	PASS
		1	49	24.02	PASS
		25	0	22.64	PASS
		25	12	22.65	PASS
		25	25	22.65	PASS
		50	0	22.73	PASS
	HCH	1	0	23.64	PASS
		1	24	23.59	PASS
		1	49	23.56	PASS
		25	0	22.48	PASS
		25	12	22.51	PASS
		25	25	22.55	PASS
		50	0	22.58	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.26	PASS
		1	37	24.27	PASS
		1	74	24.29	PASS
		37	0	23.30	PASS
		37	18	23.32	PASS
		37	38	23.34	PASS
		75	0	23.37	PASS
	MCH	1	0	24.57	PASS
		1	37	24.54	PASS
		1	74	24.51	PASS
		37	0	23.45	PASS
		37	18	23.50	PASS
		37	38	23.48	PASS
		75	0	23.44	PASS
	HCH	1	0	24.32	PASS
		1	37	24.38	PASS
		1	74	24.28	PASS
		37	0	23.48	PASS
		37	18	23.38	PASS
		37	38	23.51	PASS
		75	0	23.37	PASS
16QAM	LCH	1	0	24.26	PASS
		1	37	24.34	PASS

		1	74	24.31	PASS
		37	0	22.49	PASS
		37	18	22.60	PASS
		37	38	22.62	PASS
		75	0	22.42	PASS
	MCH	1	0	24.51	PASS
		1	37	24.40	PASS
		1	74	24.38	PASS
		37	0	22.66	PASS
		37	18	22.64	PASS
		37	38	22.65	PASS
		75	0	22.69	PASS
	HCH	1	0	24.12	PASS
		1	37	24.07	PASS
		1	74	24.03	PASS
		37	0	22.62	PASS
		37	18	22.57	PASS
		37	38	22.50	PASS
		75	0	22.54	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.40	PASS
		1	49	24.46	PASS
		1	99	24.50	PASS
		50	0	23.32	PASS
		50	25	23.44	PASS
		50	50	23.42	PASS
		100	0	23.39	PASS
	MCH	1	0	24.69	PASS
		1	49	24.65	PASS
		1	99	24.67	PASS
		50	0	23.45	PASS
		50	25	23.50	PASS
		50	50	23.46	PASS
		100	0	23.56	PASS
	HCH	1	0	24.39	PASS
		1	49	24.40	PASS
		1	99	24.35	PASS
		50	0	23.50	PASS

		50	25	23.53	PASS
		50	50	23.40	PASS
		100	0	23.43	PASS
16QAM	LCH	1	0	23.58	PASS
		1	49	23.62	PASS
		1	99	23.74	PASS
		50	0	22.52	PASS
		50	25	22.56	PASS
		50	50	22.48	PASS
		100	0	22.46	PASS
	MCH	1	0	23.62	PASS
		1	49	23.57	PASS
		1	99	23.64	PASS
		50	0	22.59	PASS
		50	25	22.65	PASS
		50	50	22.60	PASS
		100	0	22.60	PASS
	HCH	1	0	23.90	PASS
		1	49	23.80	PASS
		1	99	23.74	PASS
		50	0	22.62	PASS
		50	25	22.46	PASS
		50	50	22.46	PASS
		100	0	22.56	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	4.07	<13	PASS
		1	12	4.05	<13	PASS
		1	24	4.05	<13	PASS
		12	0	4.85	<13	PASS
		12	6	4.77	<13	PASS
		12	13	4.83	<13	PASS
		25	0	4.8	<13	PASS
	MCH	1	0	4.42	<13	PASS
		1	12	4.3	<13	PASS
		1	24	4.14	<13	PASS
		12	0	4.85	<13	PASS
		12	6	4.89	<13	PASS
		12	13	4.81	<13	PASS
		25	0	4.88	<13	PASS
	HCH	1	0	3.92	<13	PASS
		1	12	3.92	<13	PASS
		1	24	3.96	<13	PASS
		12	0	4.67	<13	PASS
		12	6	4.66	<13	PASS
		12	13	4.71	<13	PASS
		25	0	4.68	<13	PASS
16QAM	LCH	1	0	4.97	<13	PASS
		1	12	4.9	<13	PASS
		1	24	4.98	<13	PASS
		12	0	5.71	<13	PASS
		12	6	5.76	<13	PASS
		12	13	5.85	<13	PASS
		25	0	5.55	<13	PASS
	MCH	1	0	4.8	<13	PASS
		1	12	4.67	<13	PASS
		1	24	4.62	<13	PASS
		12	0	5.78	<13	PASS

		12	6	5.79	<13	PASS
		12	13	5.72	<13	PASS
		25	0	5.71	<13	PASS
	HCH	1	0	5.07	<13	PASS
		1	12	5.12	<13	PASS
		1	24	5.06	<13	PASS
		12	0	5.36	<13	PASS
		12	6	5.54	<13	PASS
		12	13	5.49	<13	PASS
		25	0	5.44	<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	3.99	<13	PASS
		1	24	3.91	<13	PASS
		1	49	4	<13	PASS
		25	0	4.78	<13	PASS
		25	12	4.75	<13	PASS
		25	25	4.74	<13	PASS
		50	0	4.78	<13	PASS
	MCH	1	0	4.17	<13	PASS
		1	24	3.85	<13	PASS
		1	49	3.51	<13	PASS
		25	0	4.99	<13	PASS
		25	12	4.91	<13	PASS
		25	25	4.8	<13	PASS
		50	0	4.95	<13	PASS
	HCH	1	0	3.76	<13	PASS
		1	24	3.81	<13	PASS
		1	49	3.88	<13	PASS
		25	0	4.57	<13	PASS
		25	12	4.57	<13	PASS
		25	25	4.61	<13	PASS
		50	0	4.65	<13	PASS
16QAM	LCH	1	0	4.09	<13	PASS
		1	24	4.06	<13	PASS
		1	49	4.12	<13	PASS
		25	0	5.68	<13	PASS
		25	12	5.64	<13	PASS

		25	25	5.61	<13	PASS
		50	0	5.55	<13	PASS
	MCH	1	0	4.89	<13	PASS
		1	24	4.62	<13	PASS
		1	49	4.41	<13	PASS
		25	0	5.74	<13	PASS
		25	12	5.78	<13	PASS
		25	25	5.62	<13	PASS
		50	0	5.72	<13	PASS
		HCH	1	0	4.65	<13
	1		24	4.7	<13	PASS
	1		49	4.84	<13	PASS
	25		0	5.43	<13	PASS
	25		12	5.5	<13	PASS
	25		25	5.47	<13	PASS
	50		0	5.41	<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	3.93	<13	PASS
		1	37	3.91	<13	PASS
		1	74	4.11	<13	PASS
		37	0	4.7	<13	PASS
		37	18	4.75	<13	PASS
		37	38	4.76	<13	PASS
		75	0	5.17	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	37	3.84	<13	PASS
		1	74	3.46	<13	PASS
		37	0	4.93	<13	PASS
		37	18	4.83	<13	PASS
		37	38	4.7	<13	PASS
		75	0	5.21	<13	PASS
	HCH	1	0	3.53	<13	PASS
		1	37	3.7	<13	PASS
		1	74	3.88	<13	PASS
		37	0	4.44	<13	PASS
		37	18	4.52	<13	PASS
		37	38	4.59	<13	PASS

		75	0	4.9	<13	PASS
16QAM	LCH	1	0	3.98	<13	PASS
		1	37	4	<13	PASS
		1	74	4.4	<13	PASS
		37	0	5.6	<13	PASS
		37	18	5.55	<13	PASS
		37	38	5.58	<13	PASS
		75	0	5.77	<13	PASS
	MCH	1	0	4.74	<13	PASS
		1	37	4.23	<13	PASS
		1	74	3.91	<13	PASS
		37	0	5.89	<13	PASS
		37	18	5.72	<13	PASS
		37	38	5.62	<13	PASS
		75	0	5.88	<13	PASS
	HCH	1	0	4.37	<13	PASS
		1	37	4.68	<13	PASS
		1	74	4.73	<13	PASS
		37	0	5.25	<13	PASS
		37	18	5.34	<13	PASS
		37	38	5.42	<13	PASS
		75	0	5.51	<13	PASS

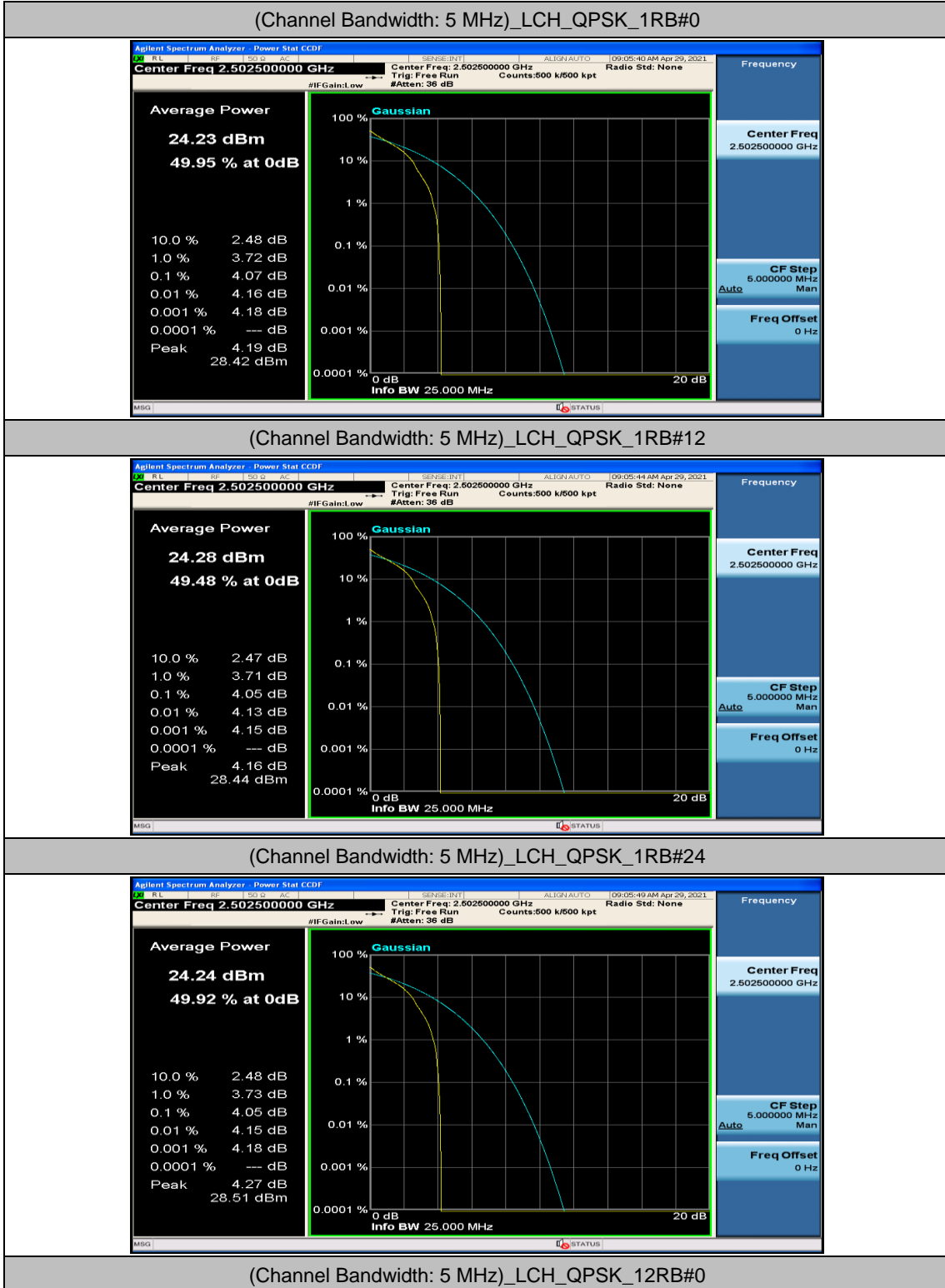
Channel Bandwidth: 20 MHz

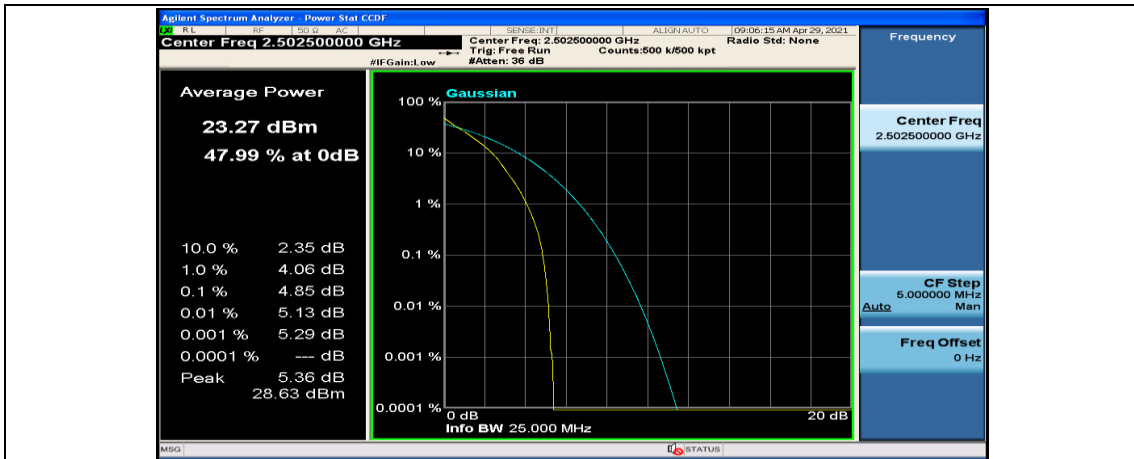
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.72	<13	PASS
		1	49	3.74	<13	PASS
		1	99	4.22	<13	PASS
		50	0	4.75	<13	PASS
		50	25	4.74	<13	PASS
		50	50	4.91	<13	PASS
		100	0	5.12	<13	PASS
	MCH	1	0	4.34	<13	PASS
		1	49	3.79	<13	PASS
		1	99	3.32	<13	PASS
		50	0	5.15	<13	PASS
		50	25	4.9	<13	PASS
		50	50	4.78	<13	PASS
		100	0	5.25	<13	PASS

	HCH	1	0	3.34	<13	PASS
		1	49	3.51	<13	PASS
		1	99	3.91	<13	PASS
		50	0	4.41	<13	PASS
		50	25	4.49	<13	PASS
		50	50	4.61	<13	PASS
		100	0	4.92	<13	PASS
16QAM	LCH	1	0	4.56	<13	PASS
		1	49	4.52	<13	PASS
		1	99	4.94	<13	PASS
		50	0	5.61	<13	PASS
		50	25	5.58	<13	PASS
		50	50	5.66	<13	PASS
		100	0	5.84	<13	PASS
	MCH	1	0	5.48	<13	PASS
		1	49	4.99	<13	PASS
		1	99	4.53	<13	PASS
		50	0	5.87	<13	PASS
		50	25	5.72	<13	PASS
		50	50	5.58	<13	PASS
		100	0	5.87	<13	PASS
	HCH	1	0	3.93	<13	PASS
		1	49	4.18	<13	PASS
		1	99	4.42	<13	PASS
		50	0	5.31	<13	PASS
		50	25	5.34	<13	PASS
		50	50	5.44	<13	PASS
		100	0	5.64	<13	PASS

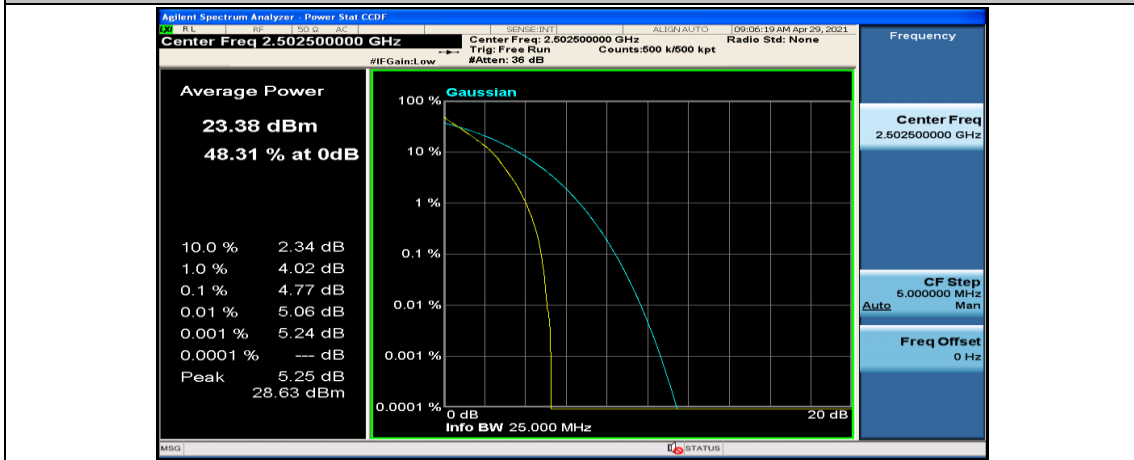
Test Graphs

Channel Bandwidth: 5 MHz

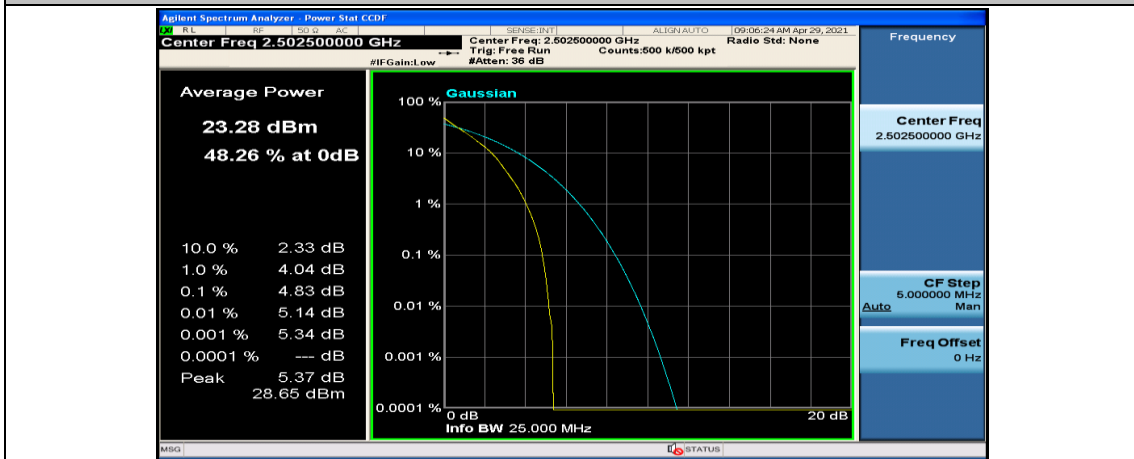




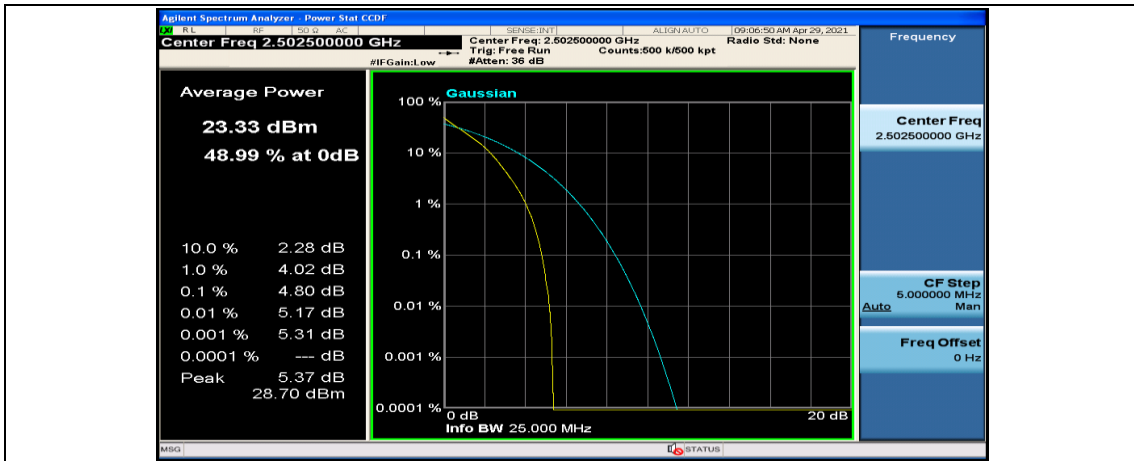
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



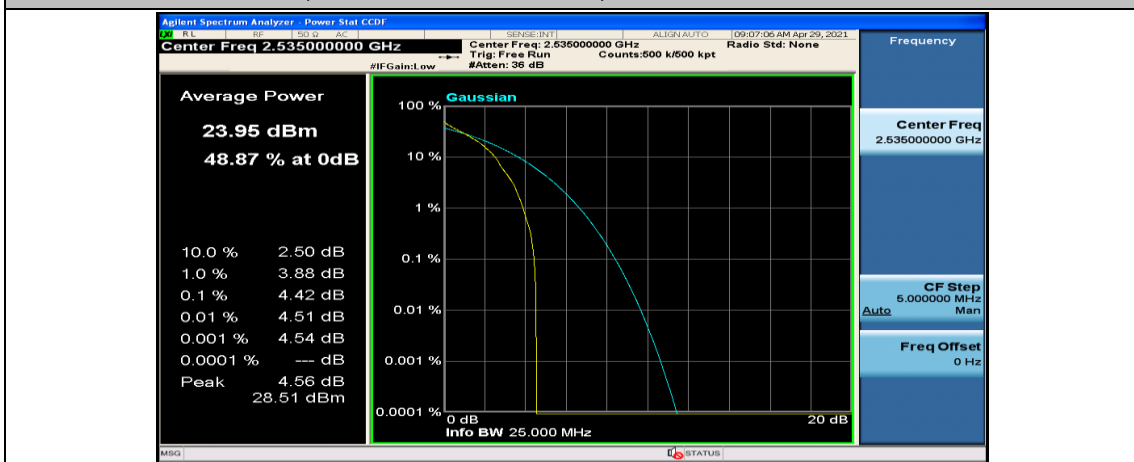
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



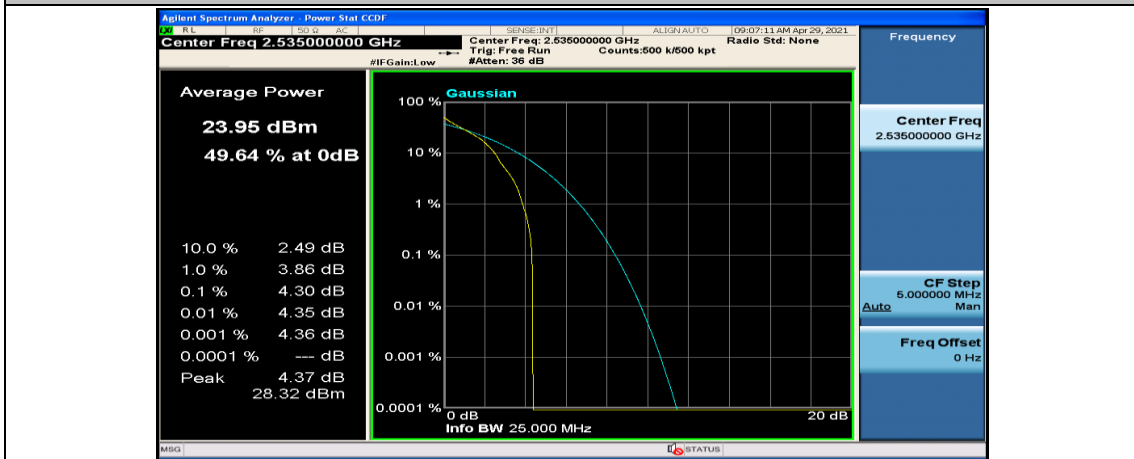
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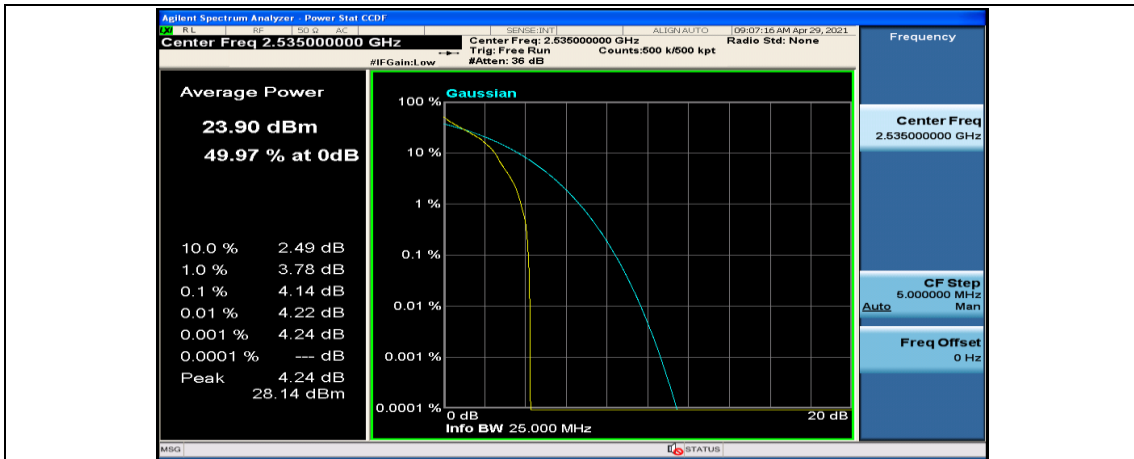
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



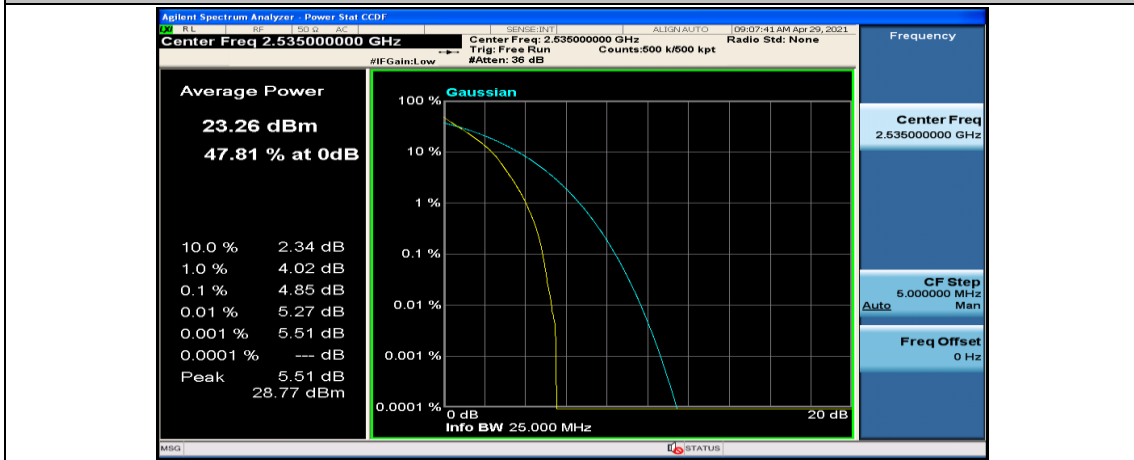
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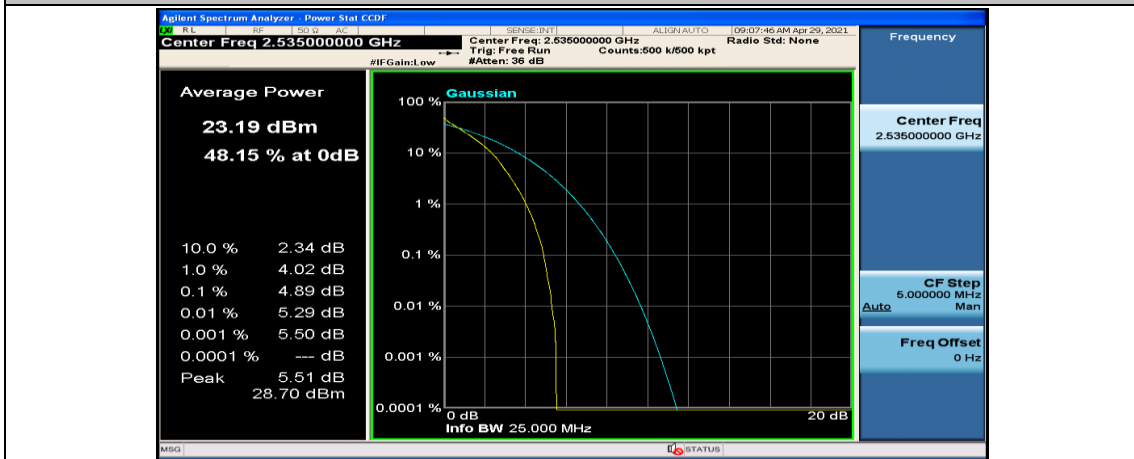
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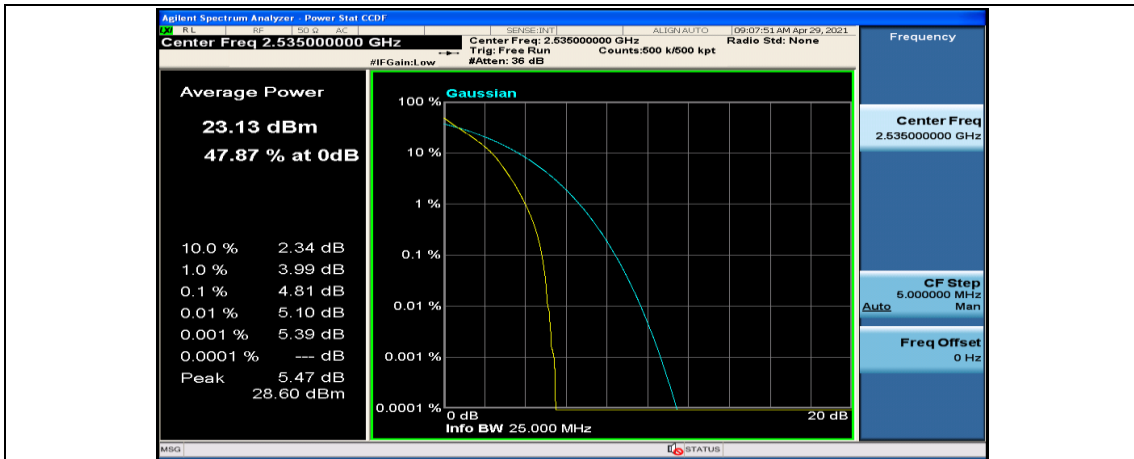
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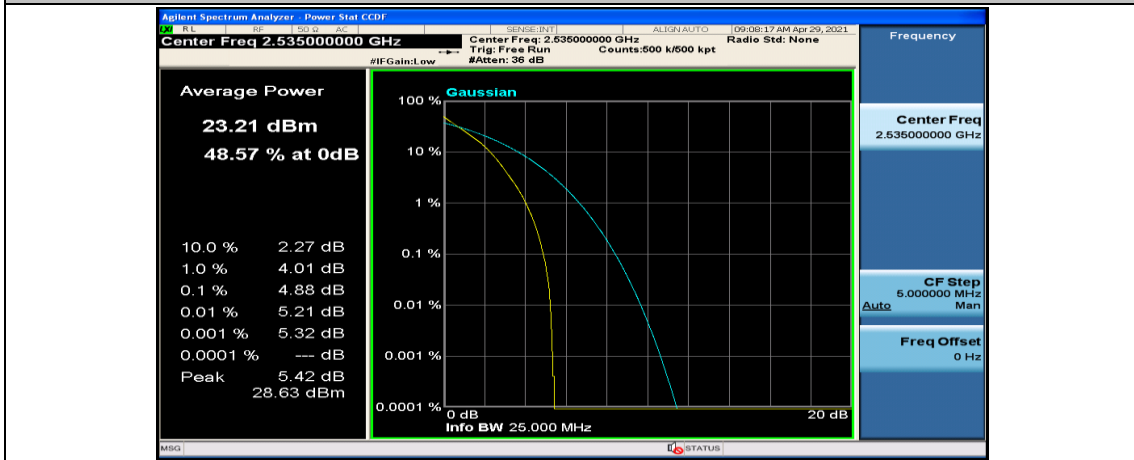
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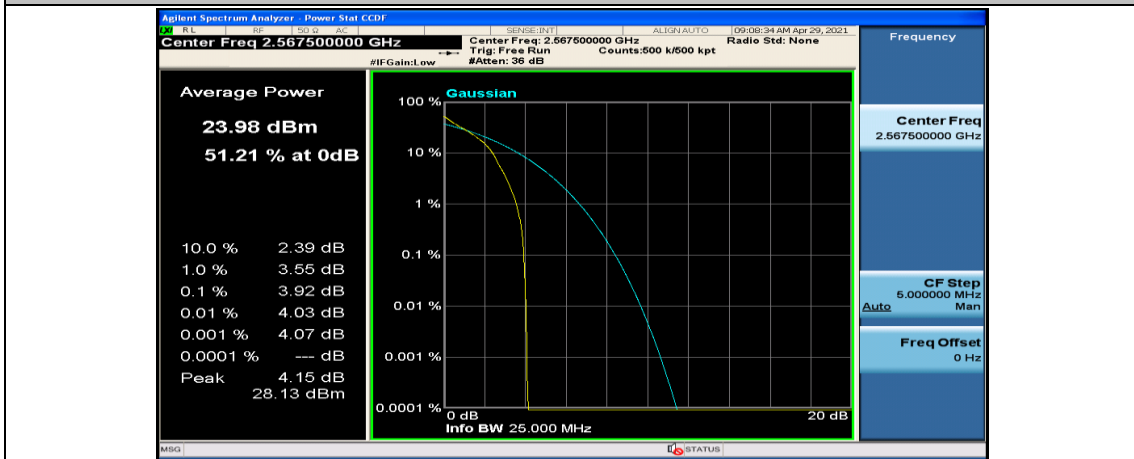
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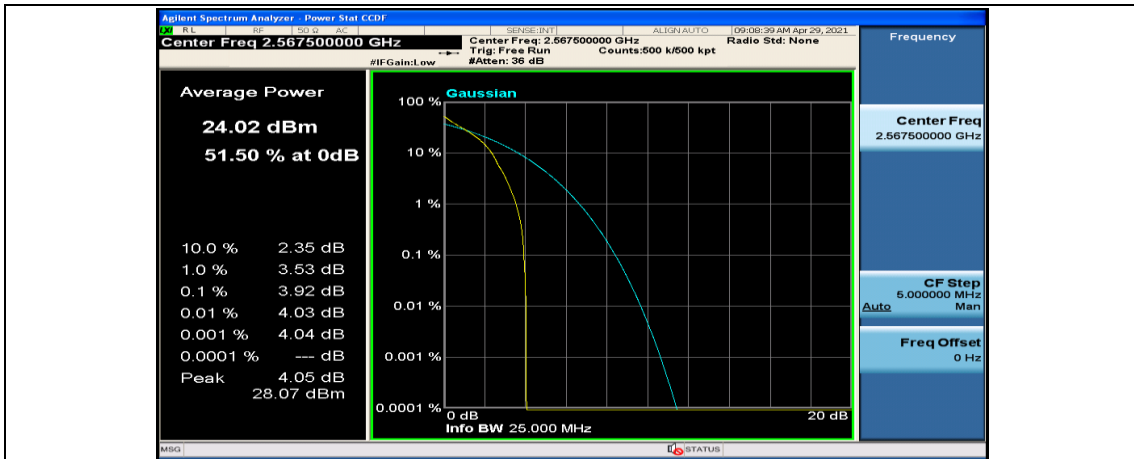
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



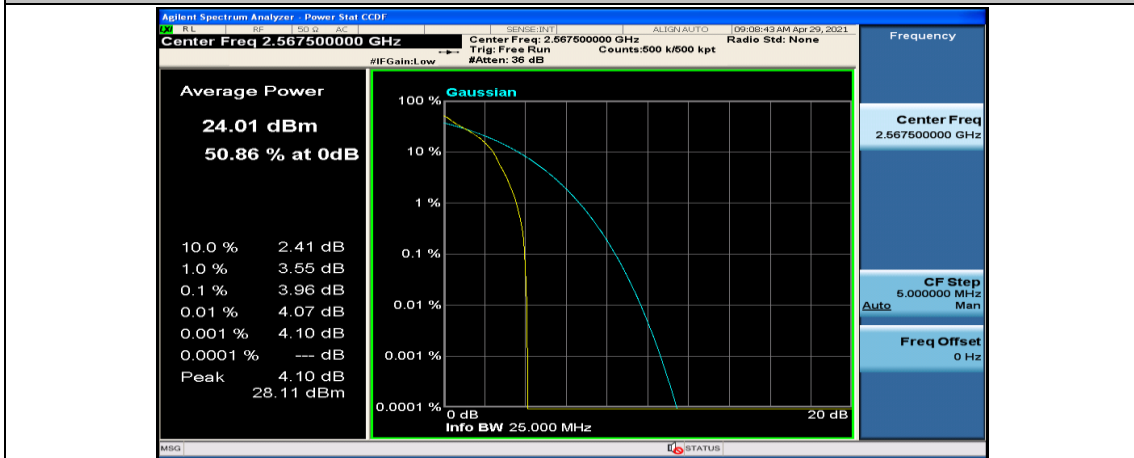
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



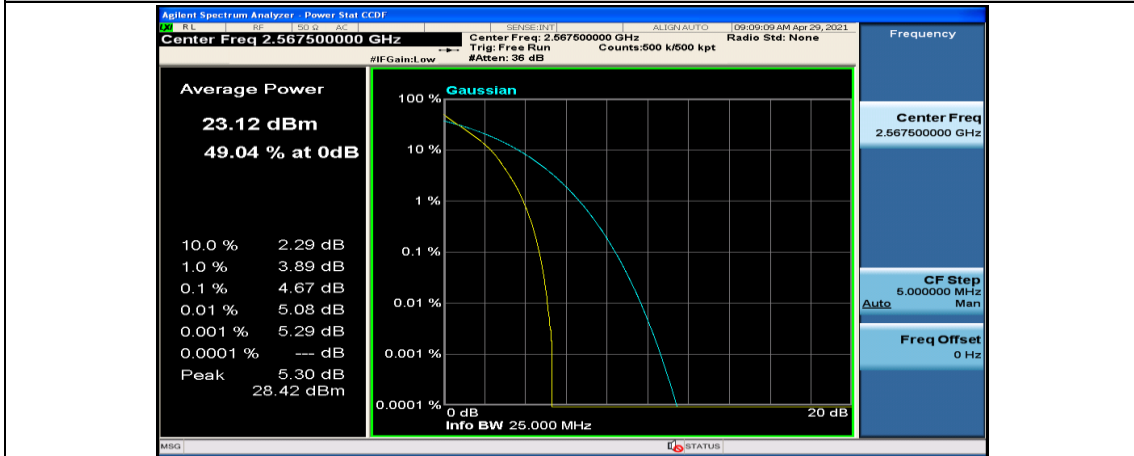
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



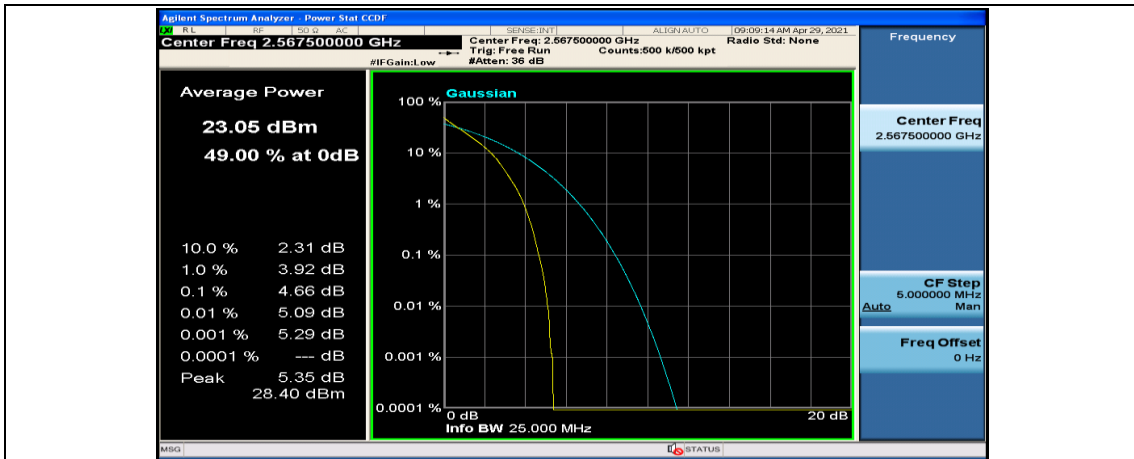
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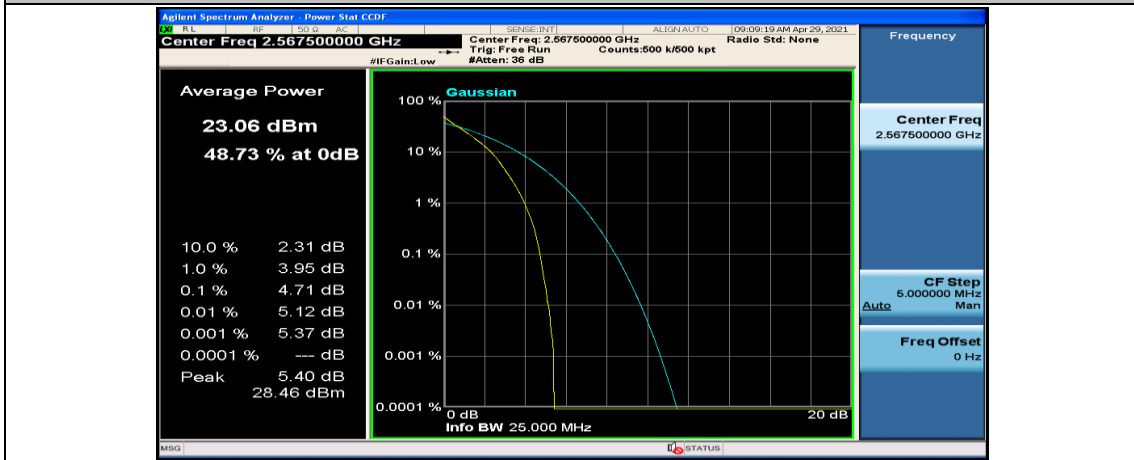
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



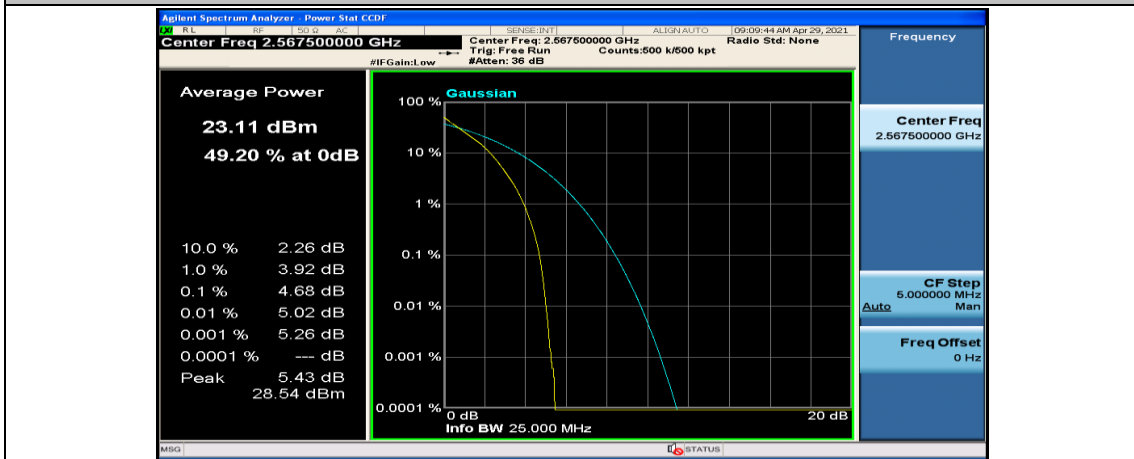
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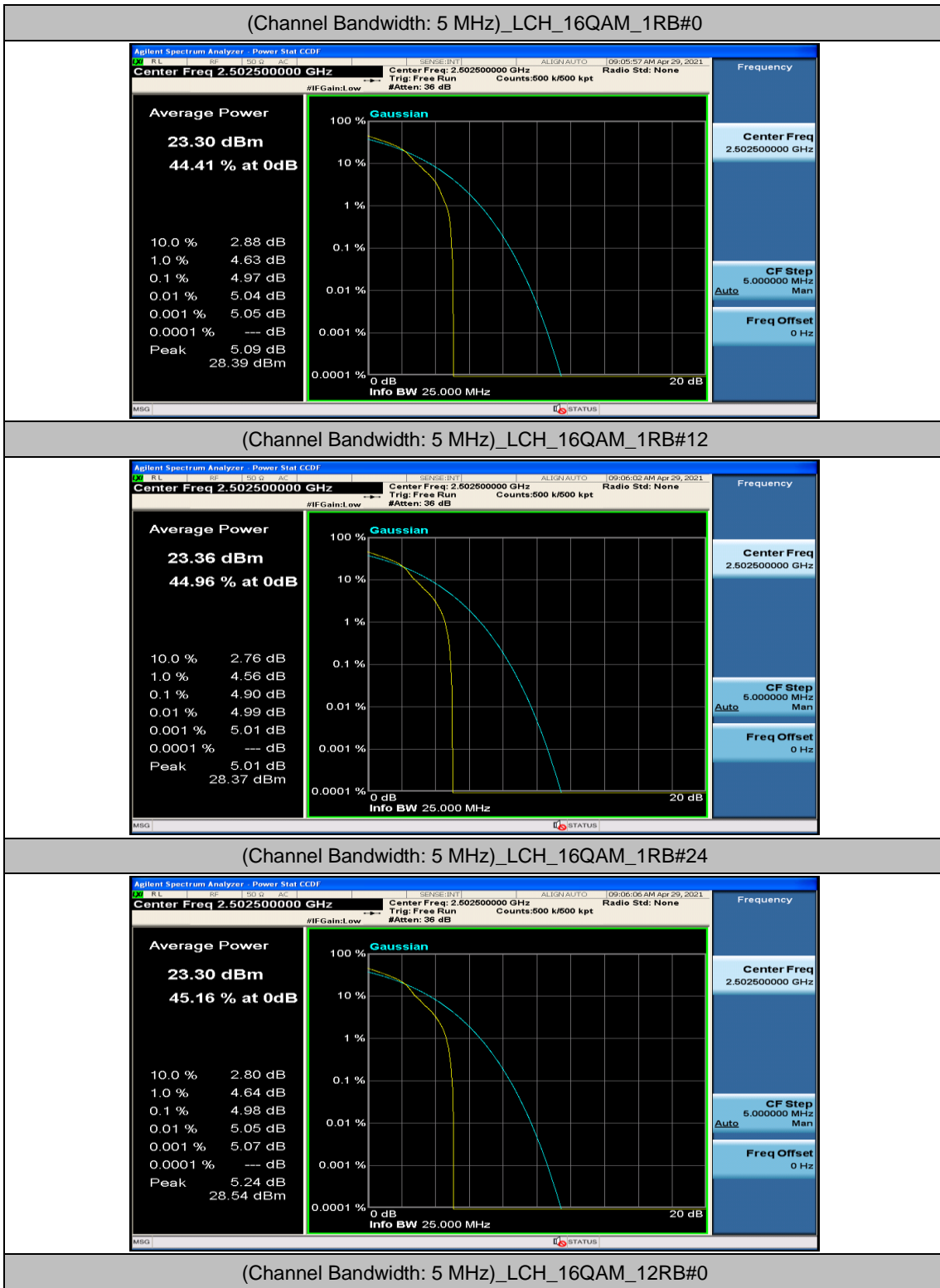


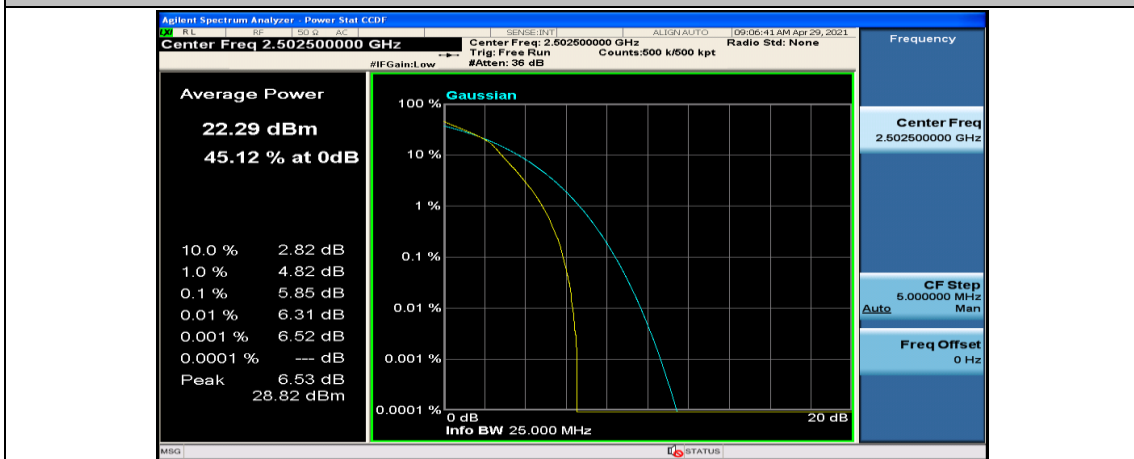
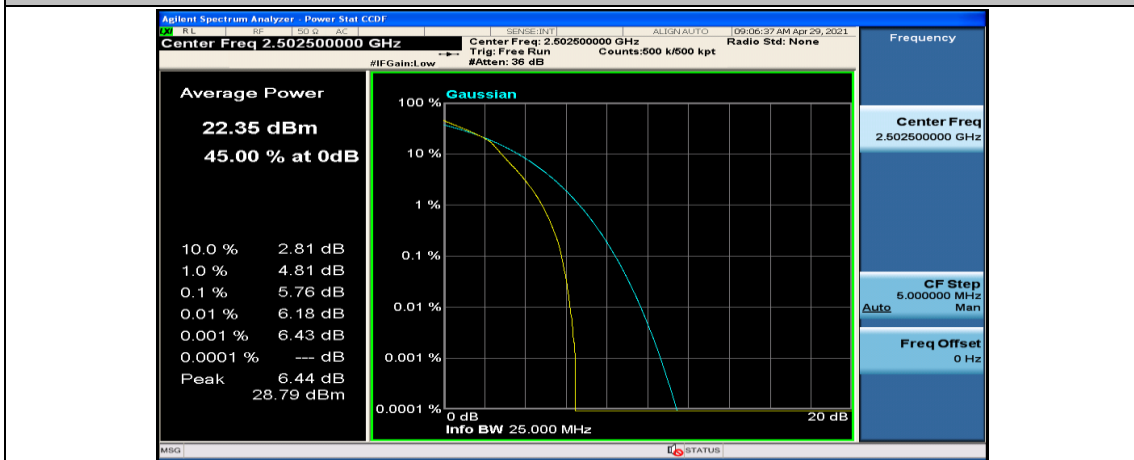
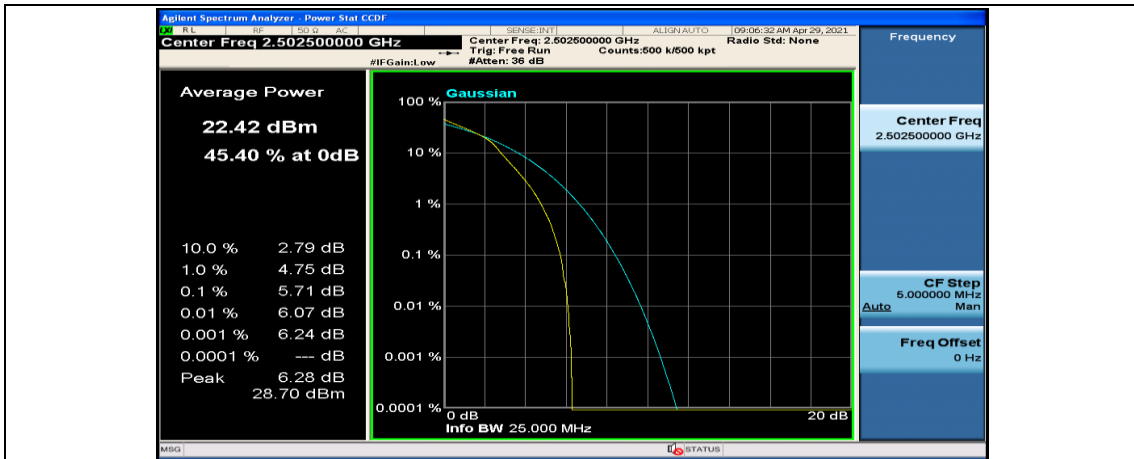
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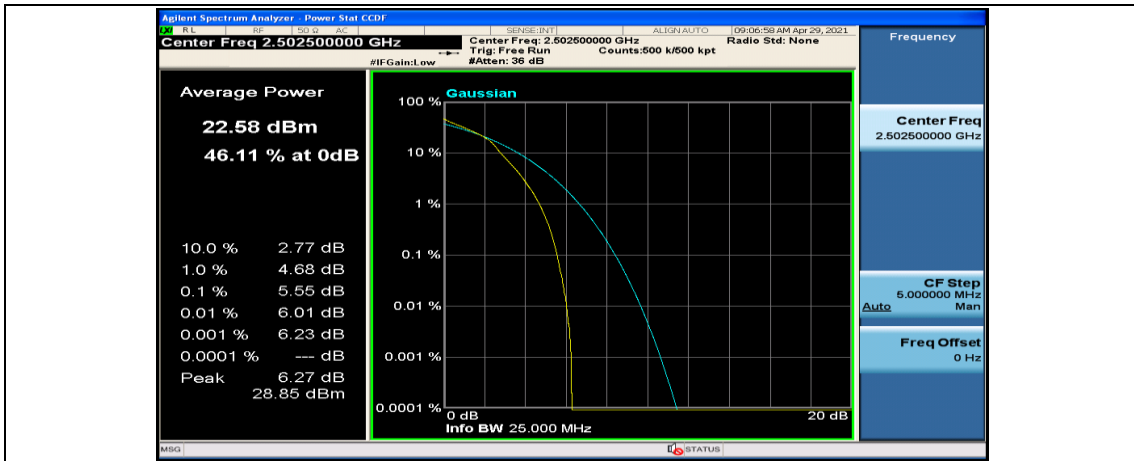


(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

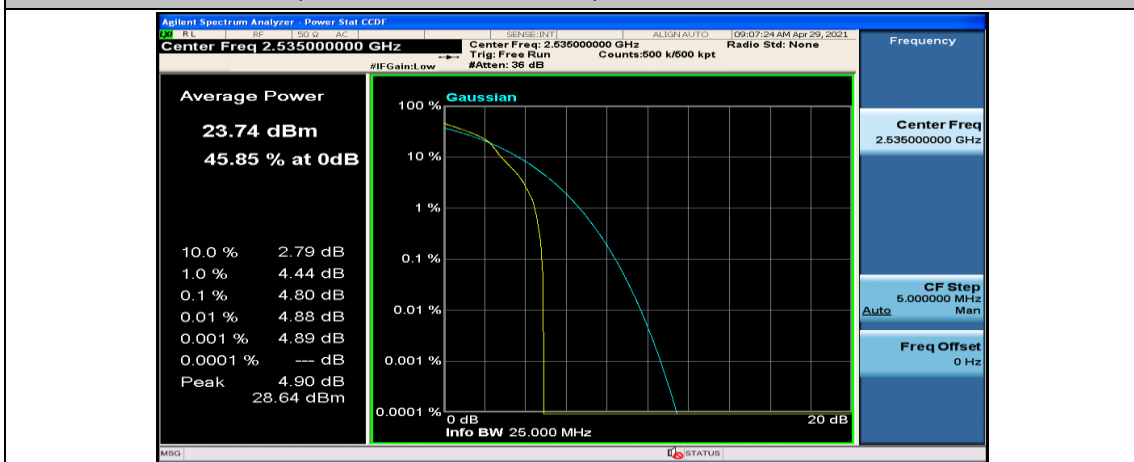




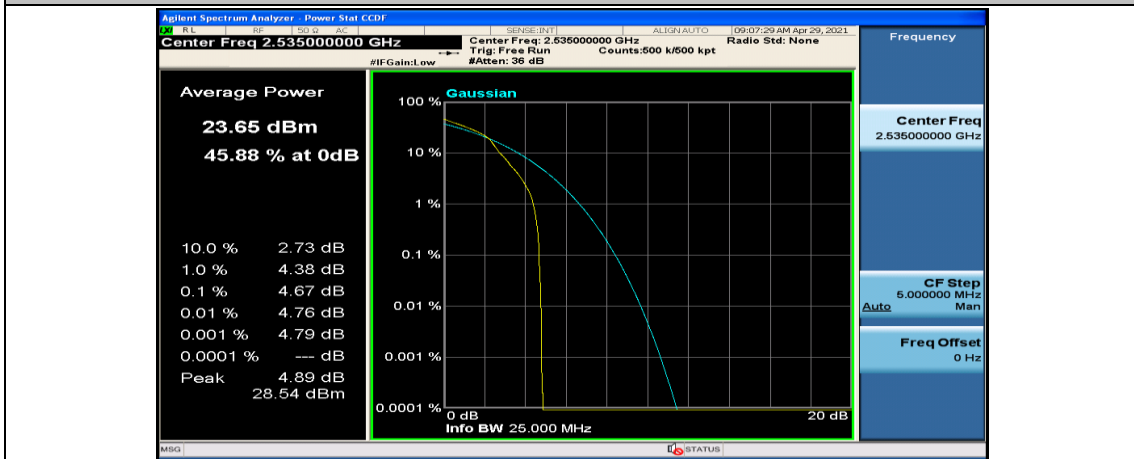




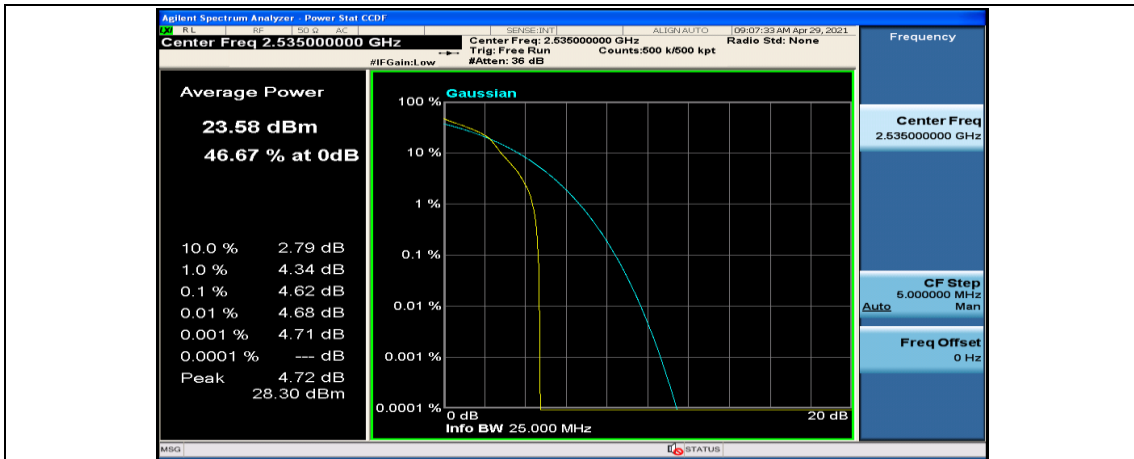
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



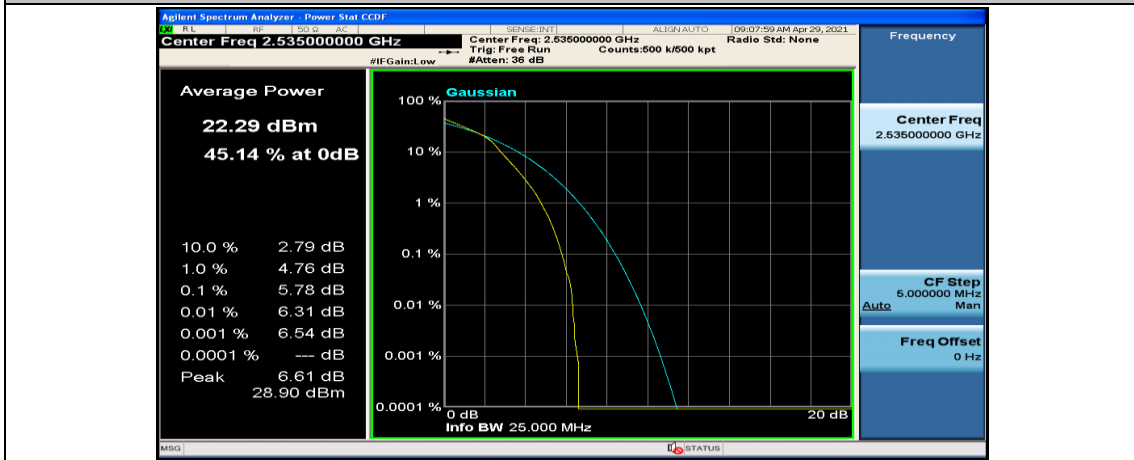
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



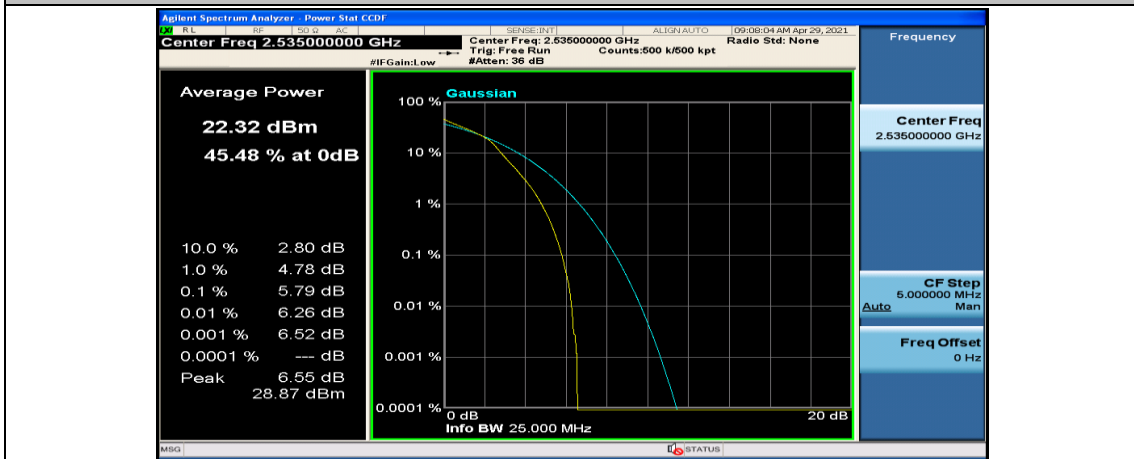
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



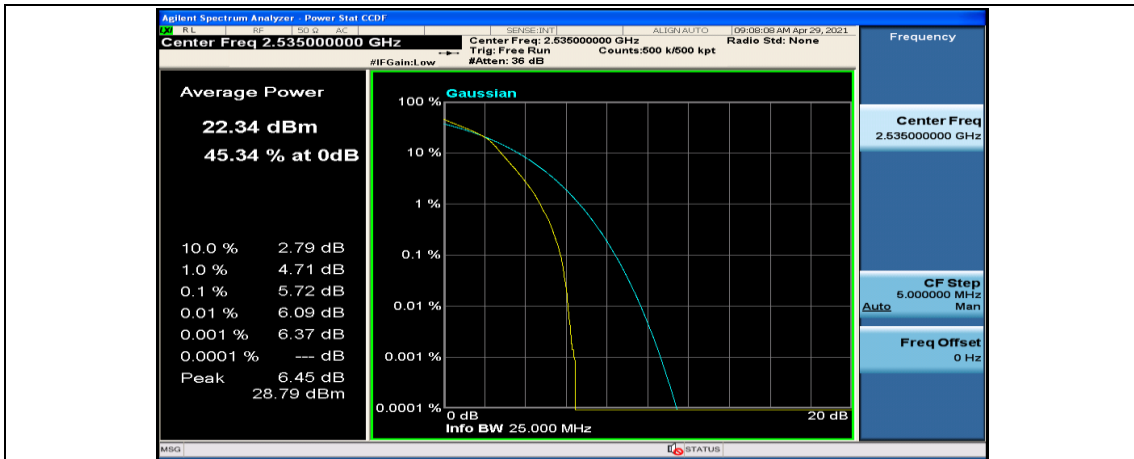
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



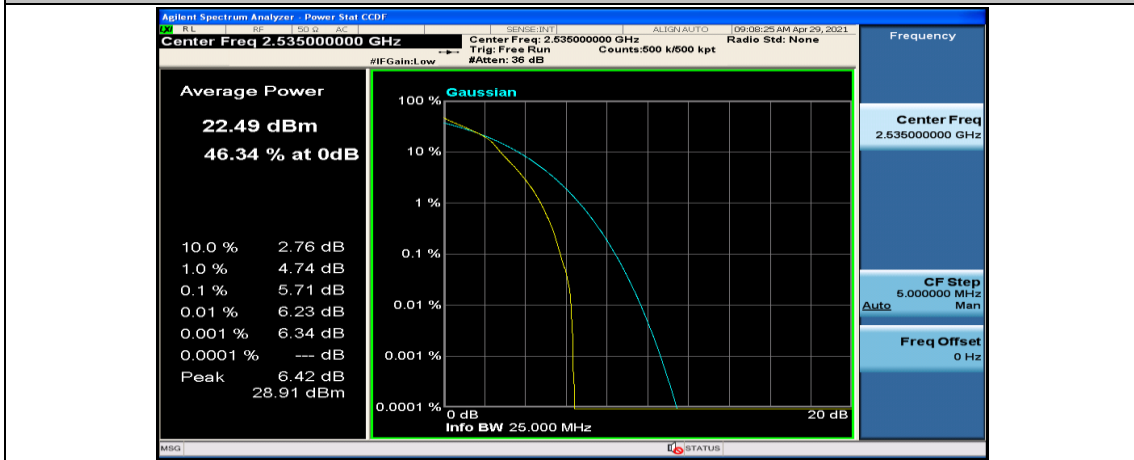
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



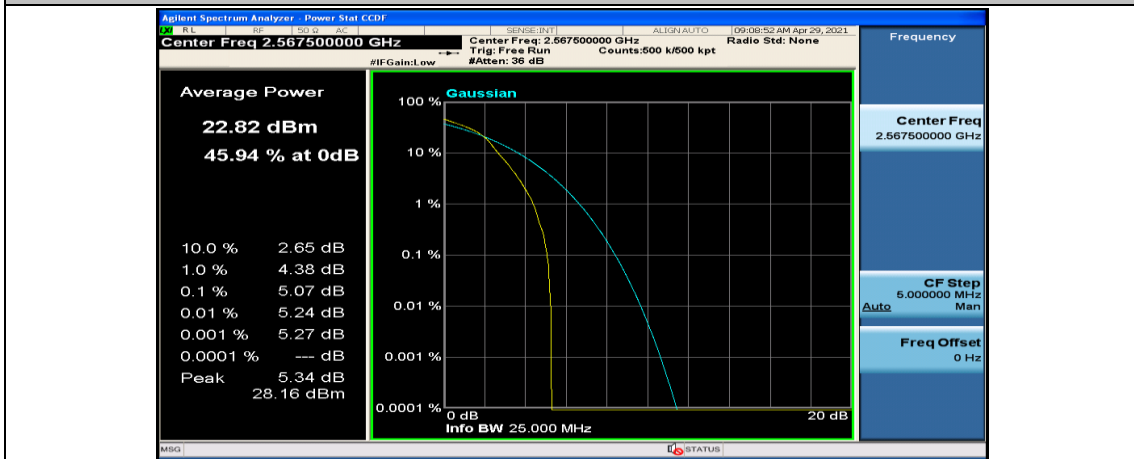
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



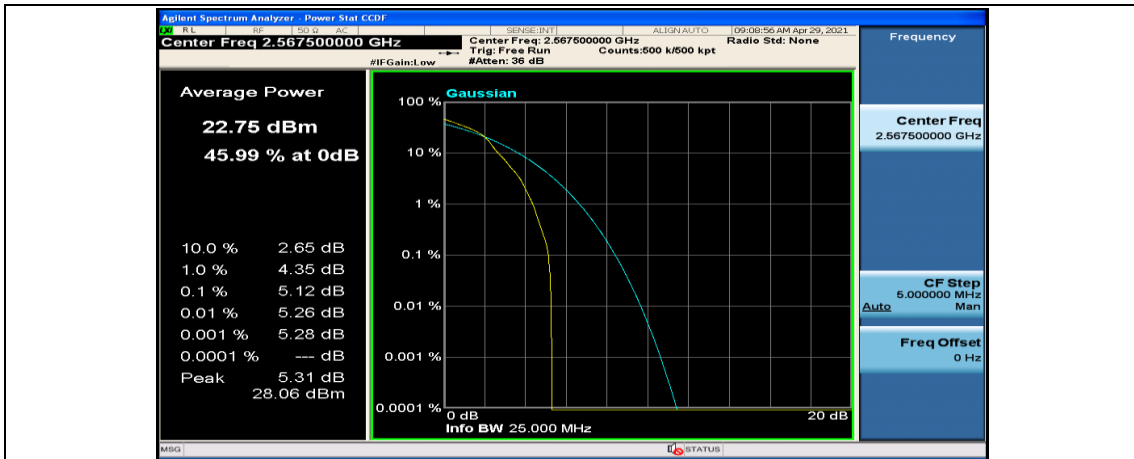
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



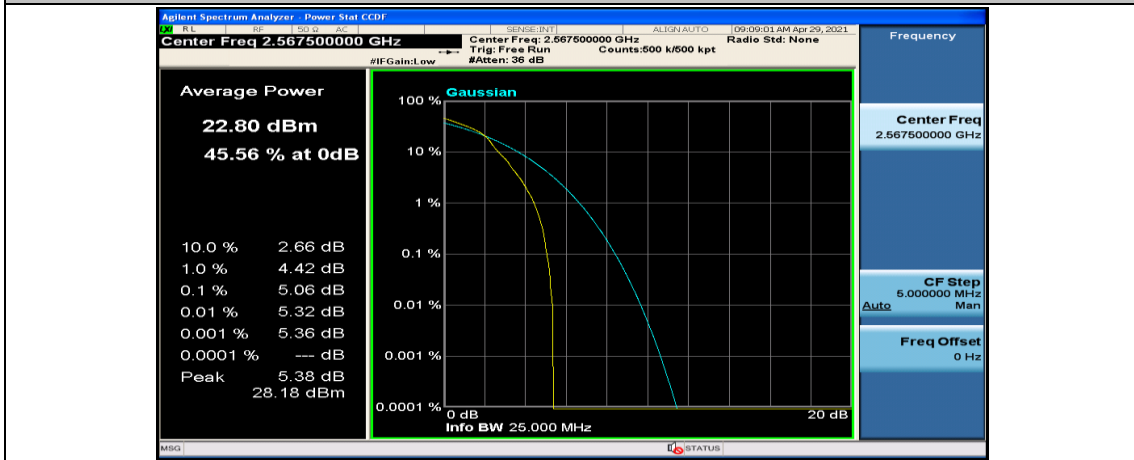
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



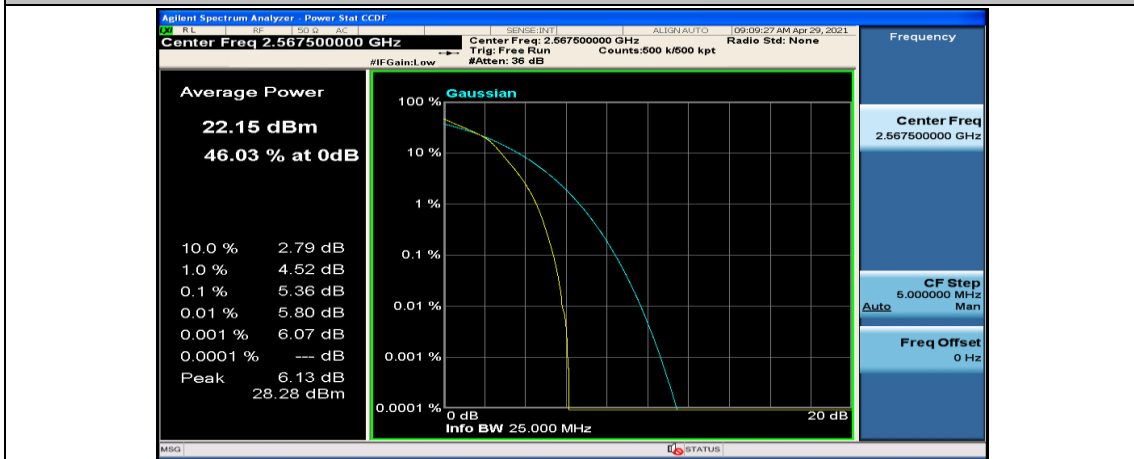
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



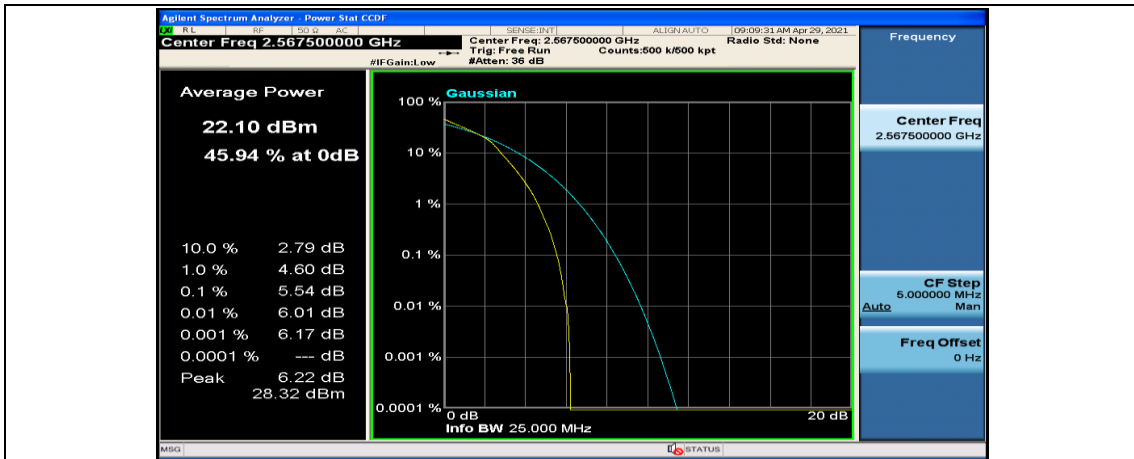
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



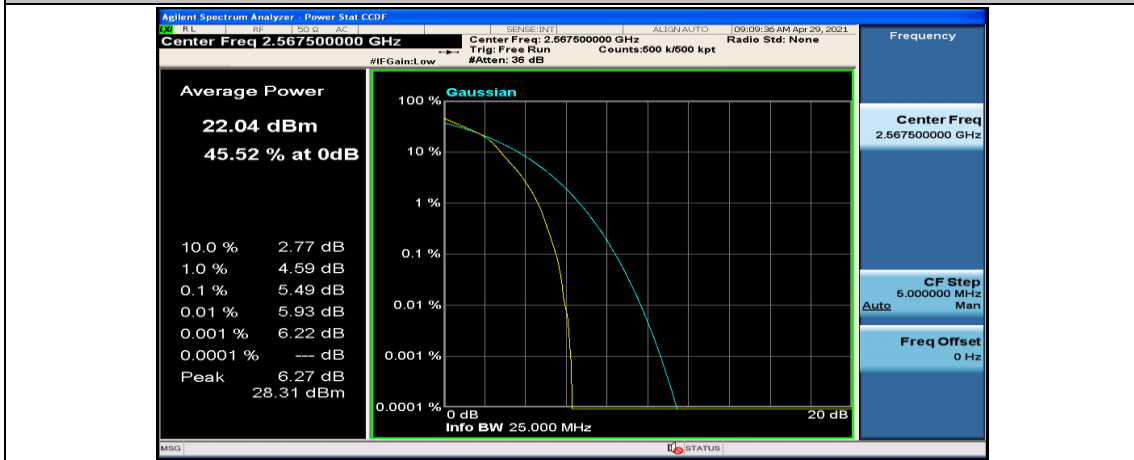
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



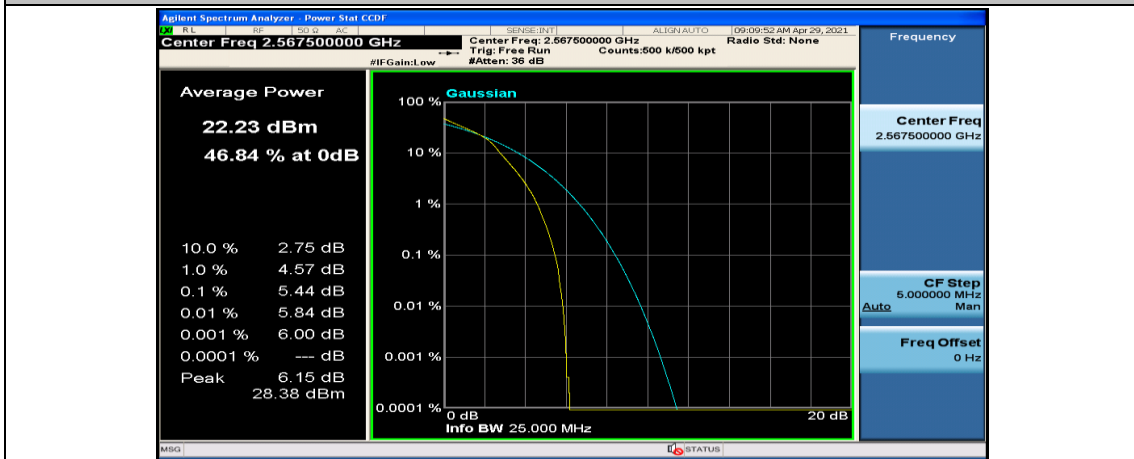
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



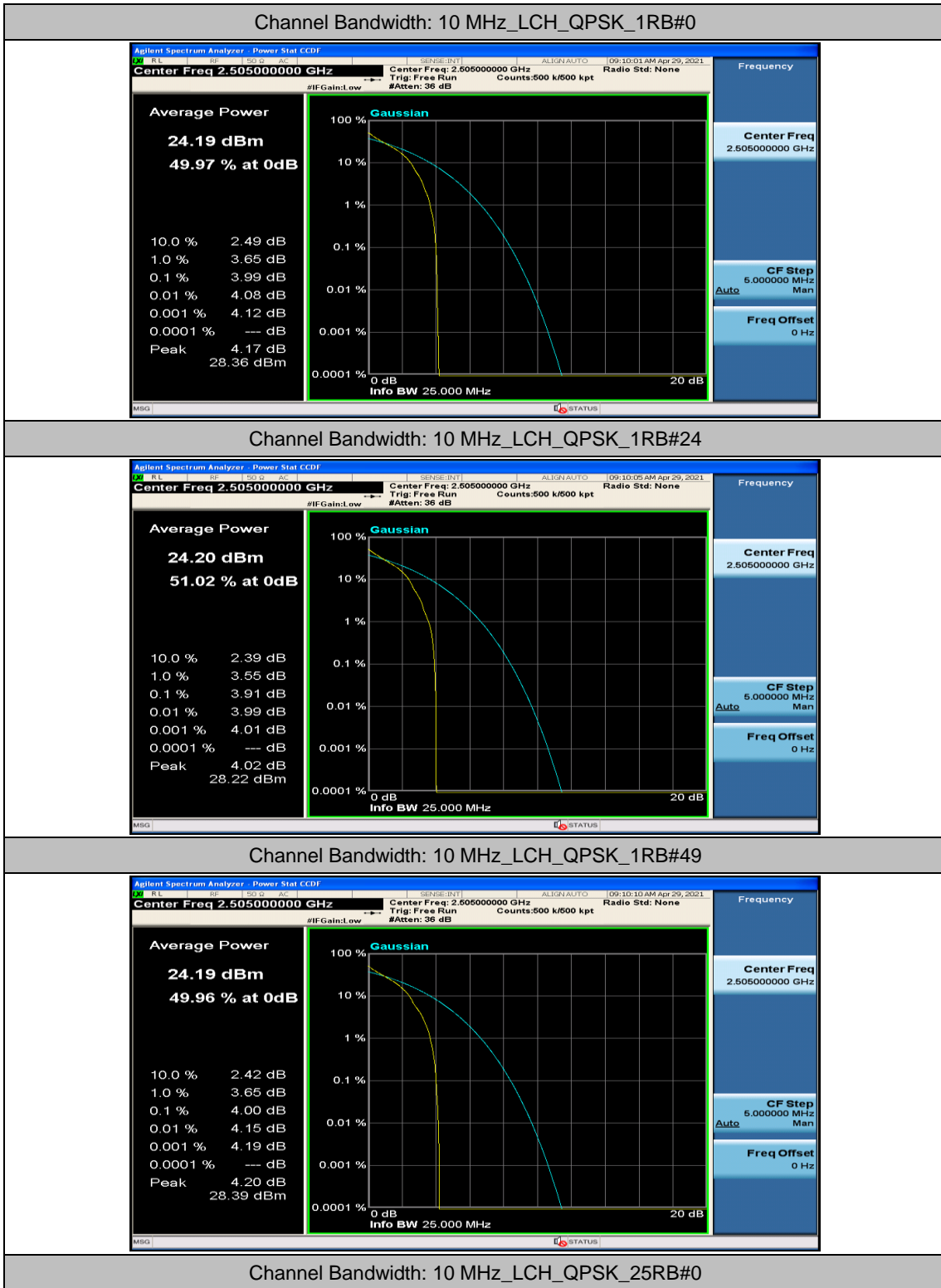
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

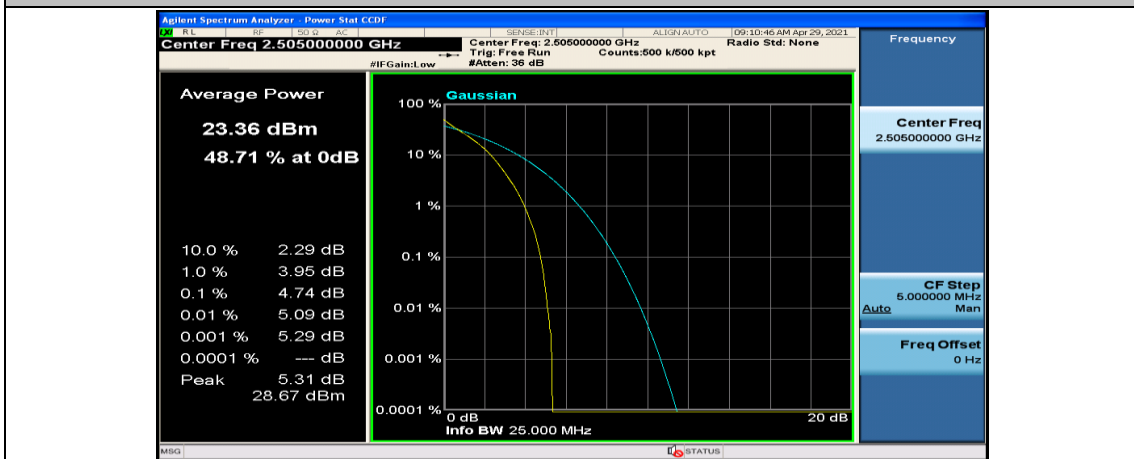
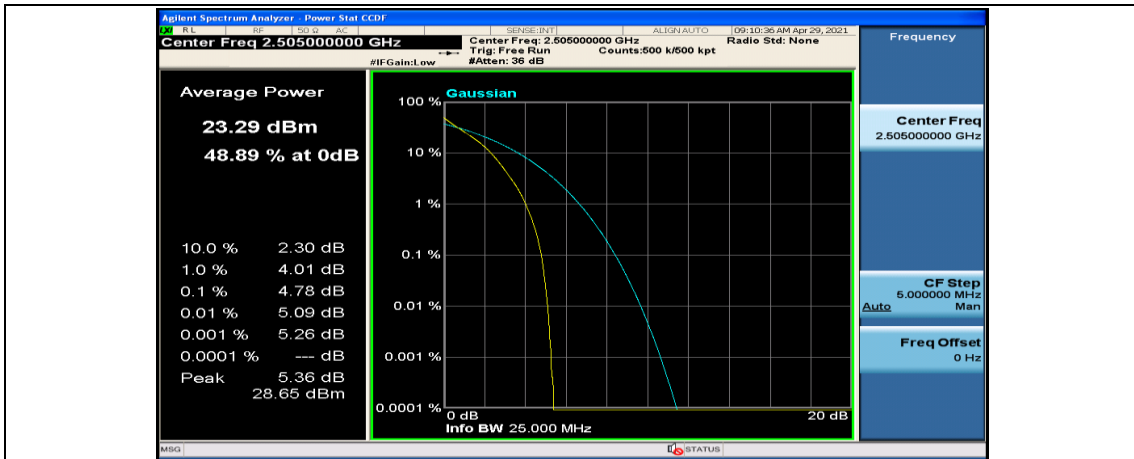


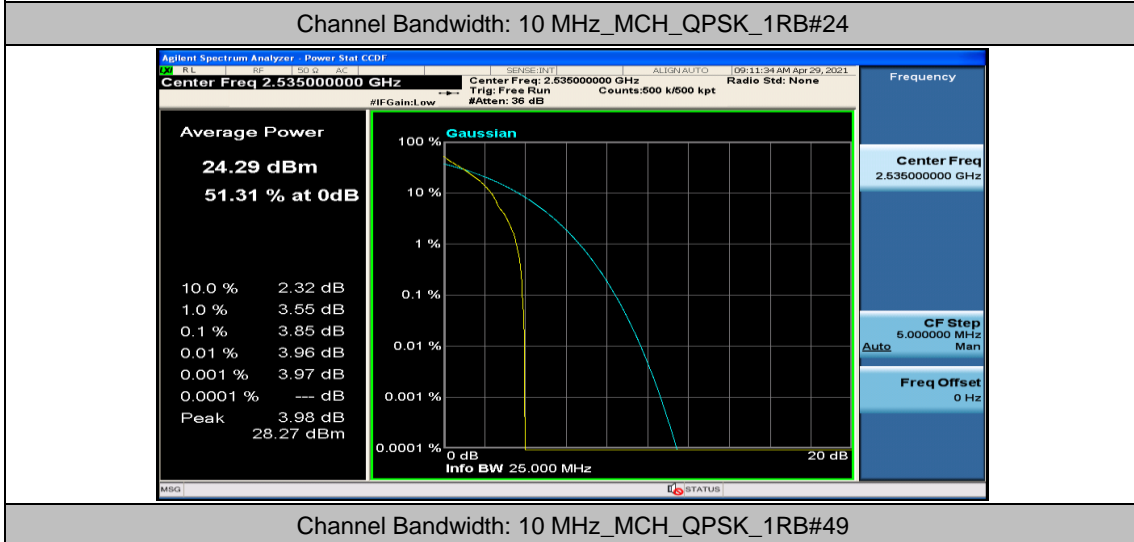
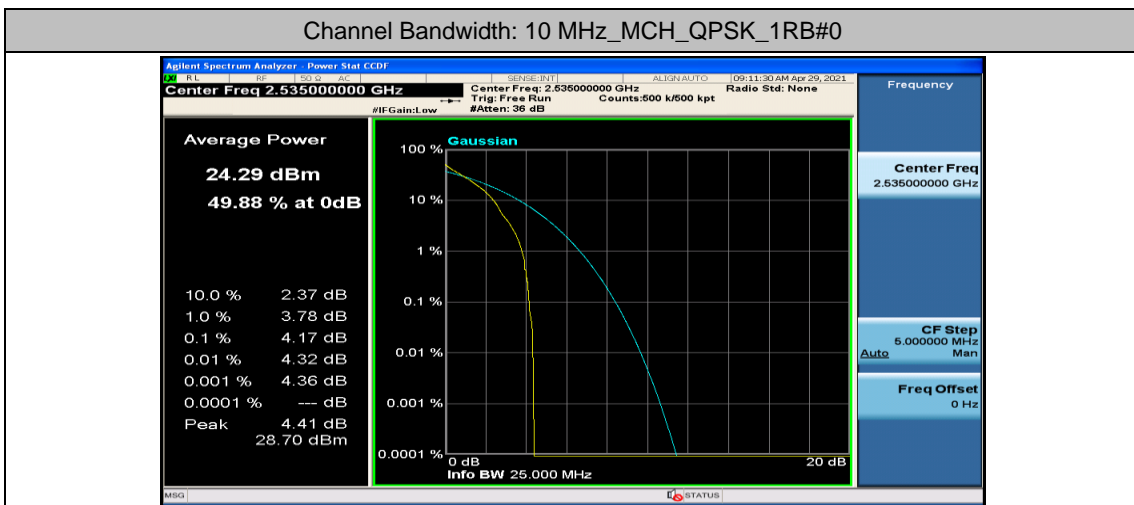
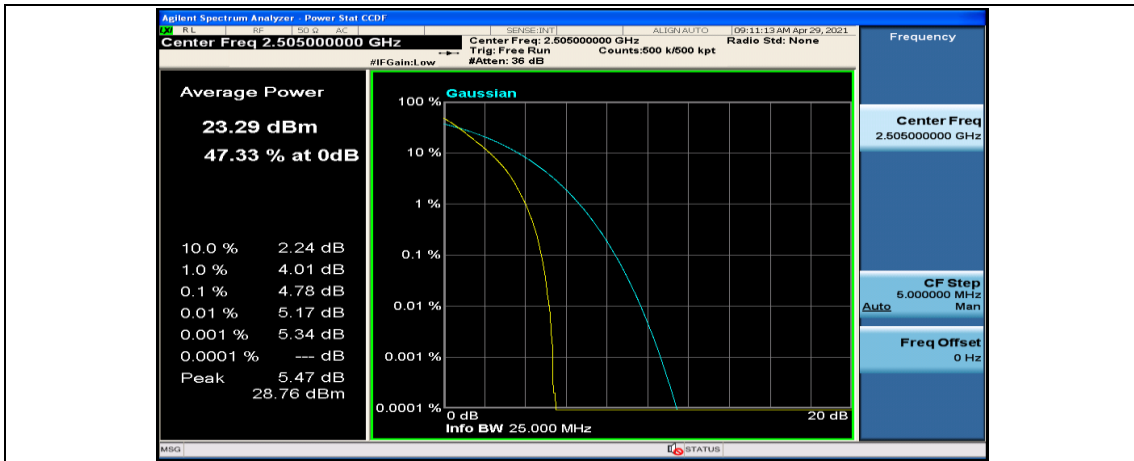
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

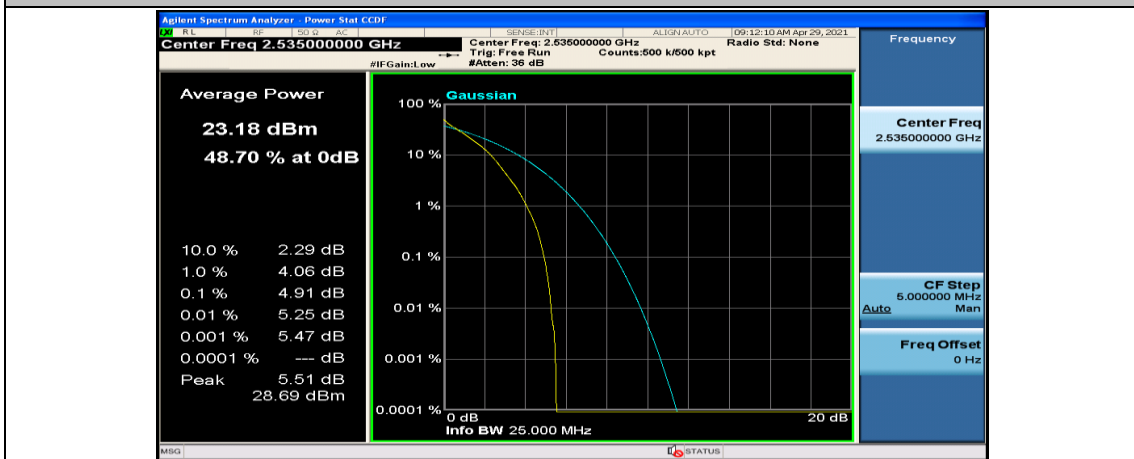
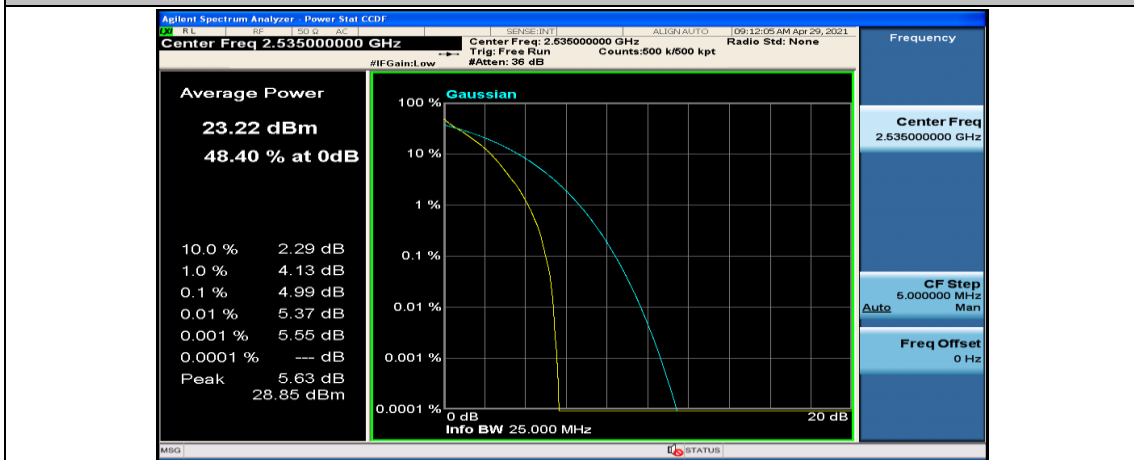
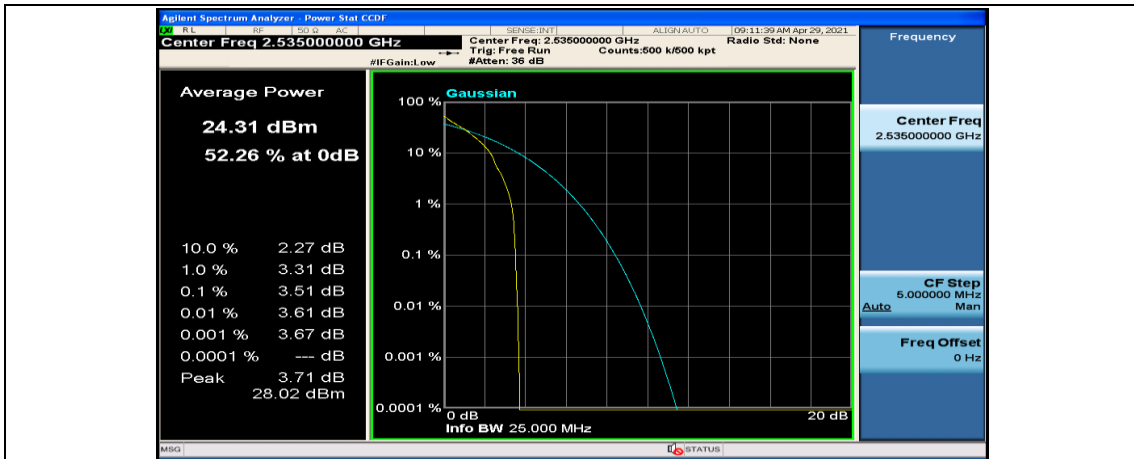


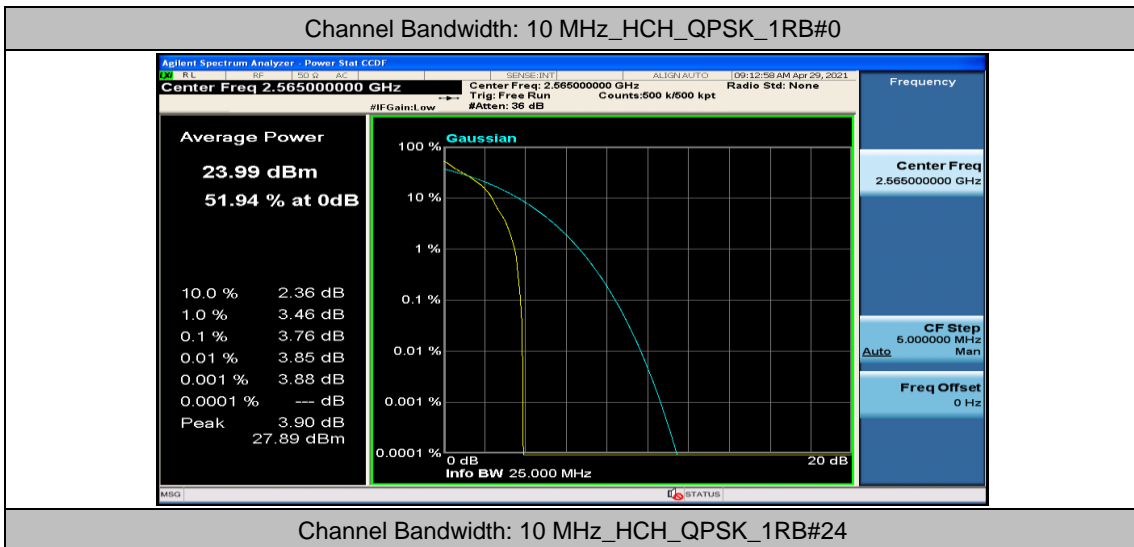
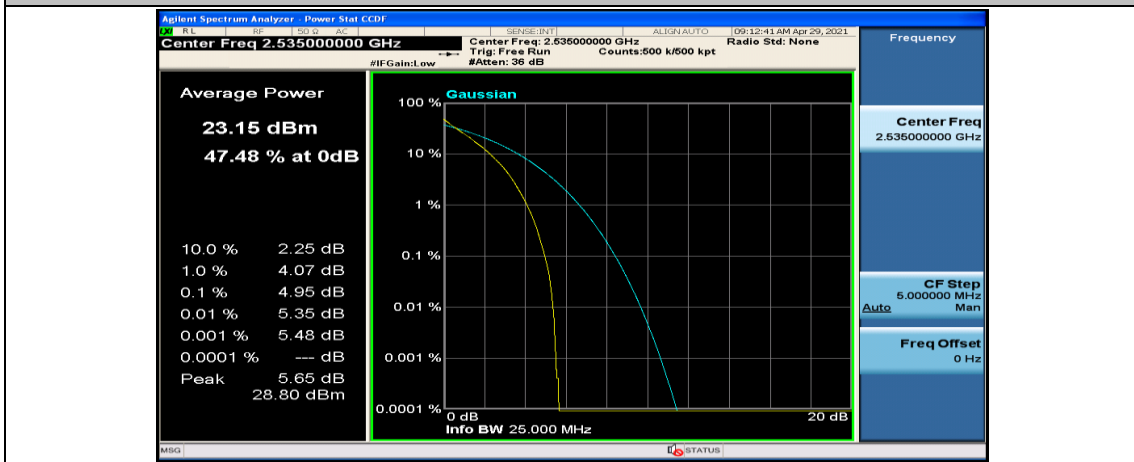
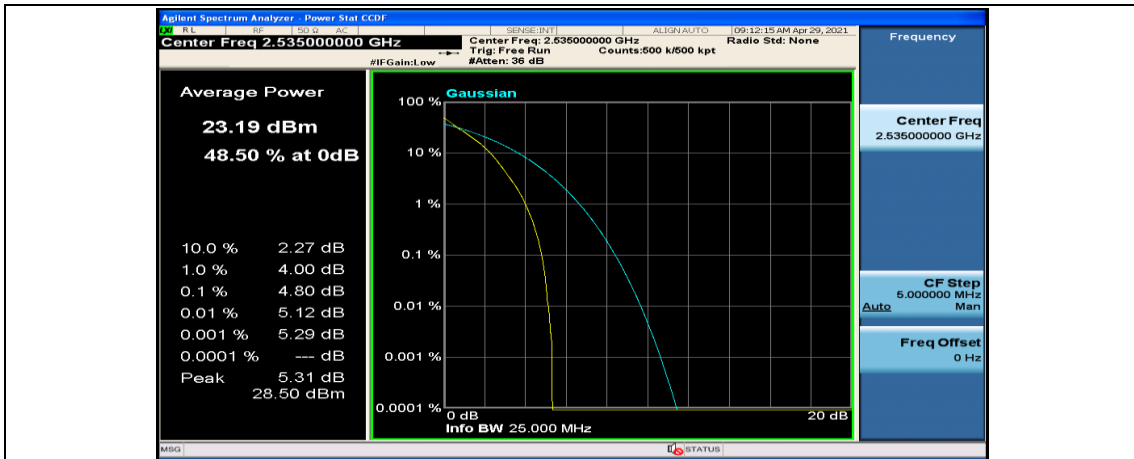
Channel Bandwidth: 10 MHz

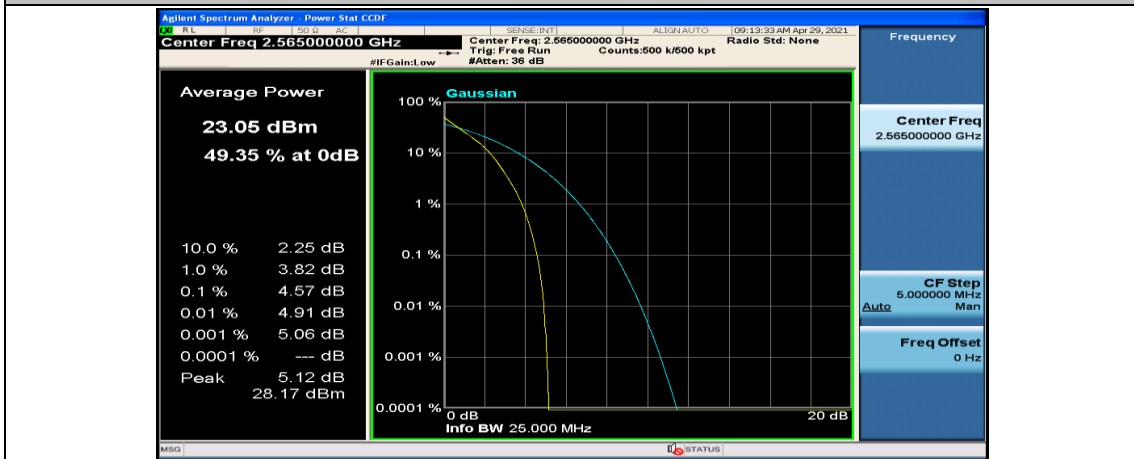
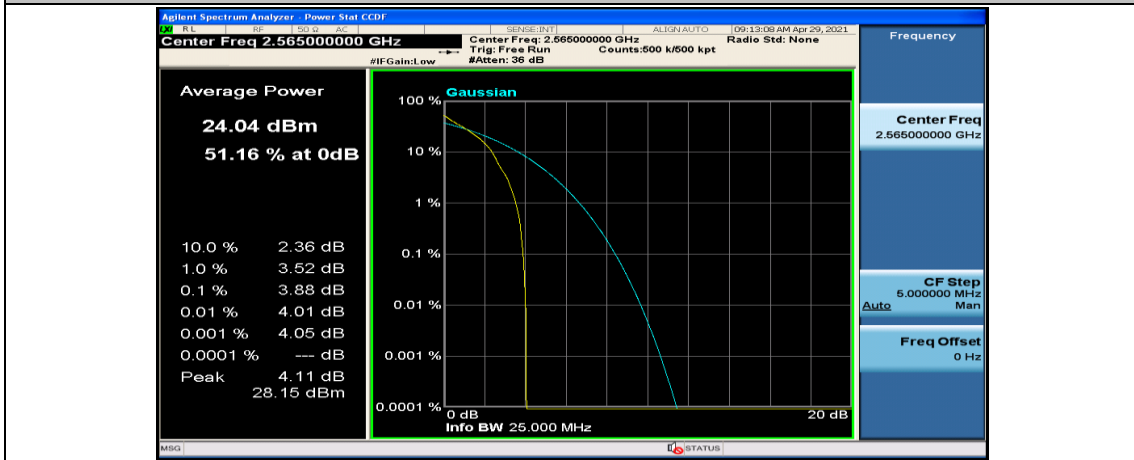
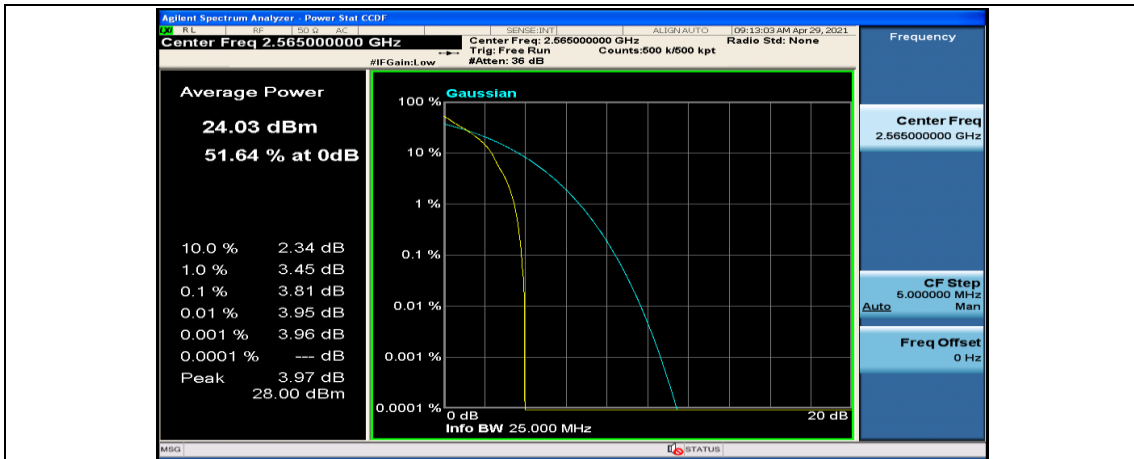


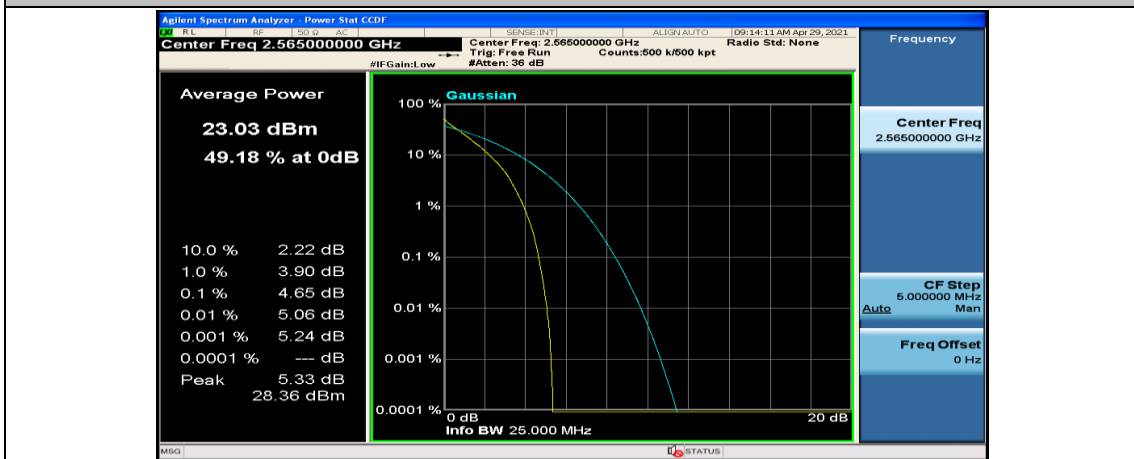
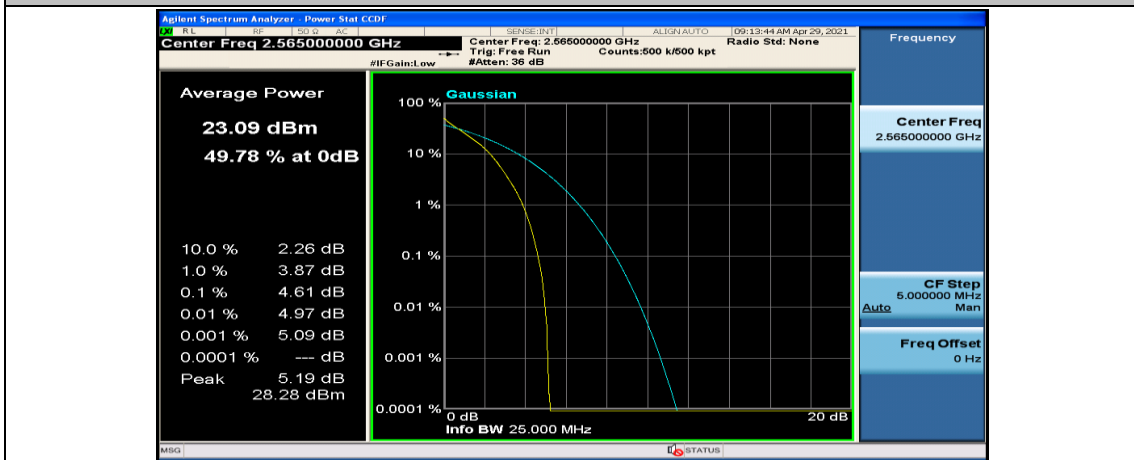
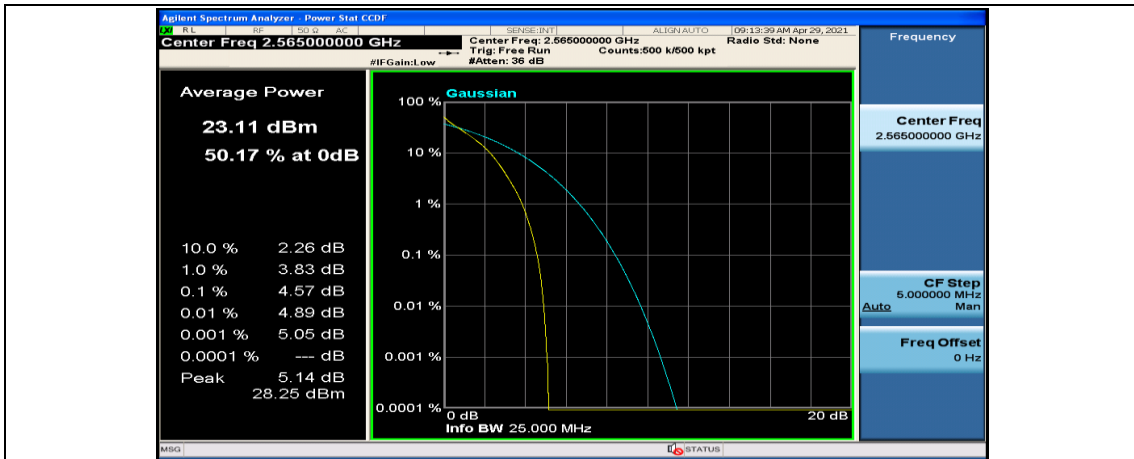


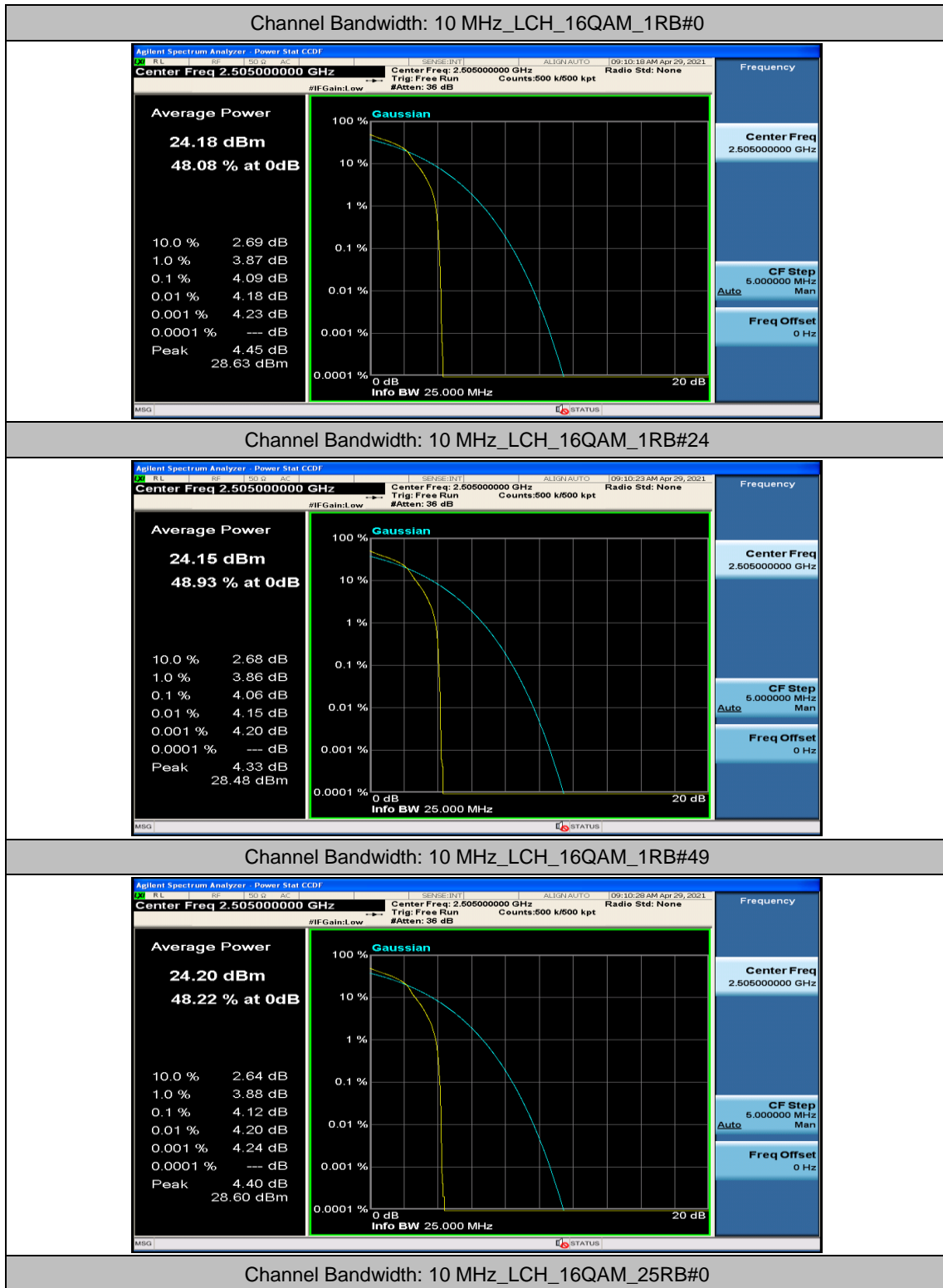


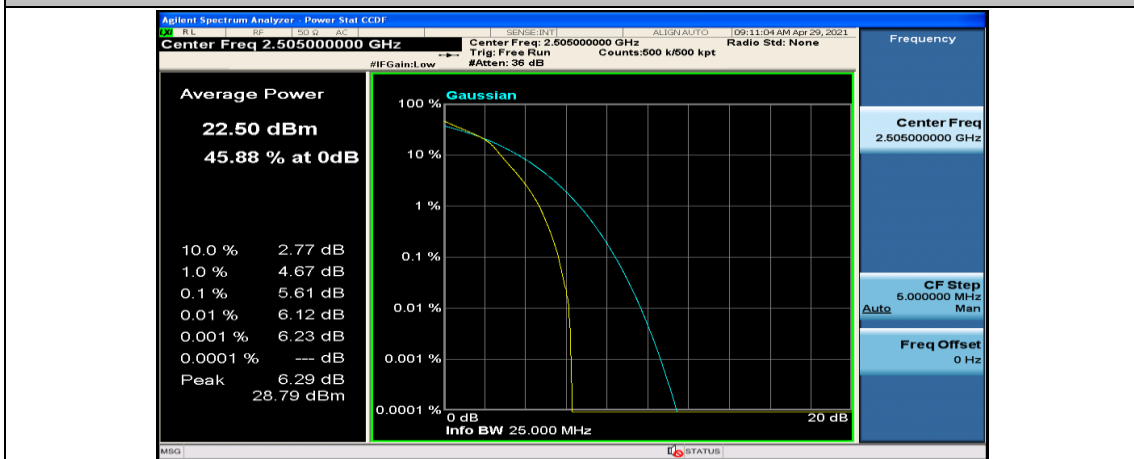
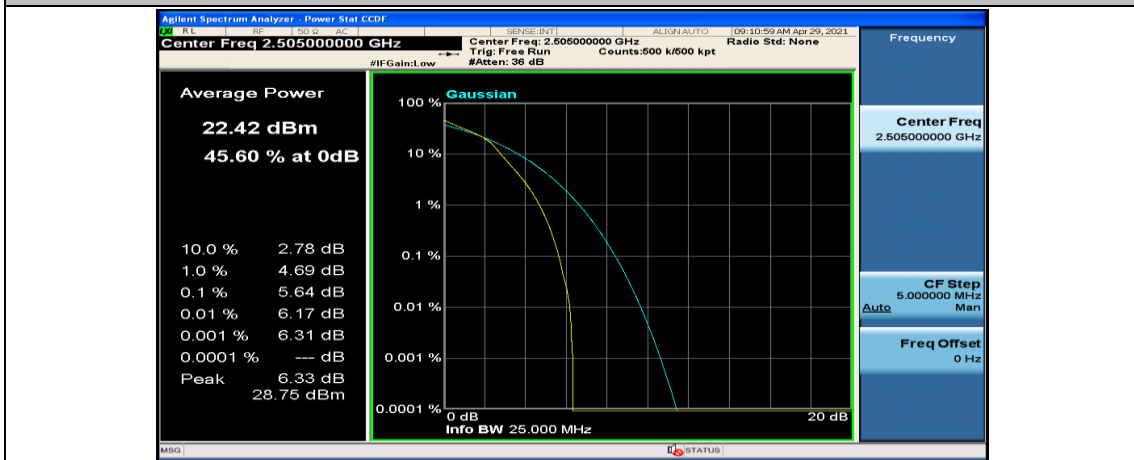
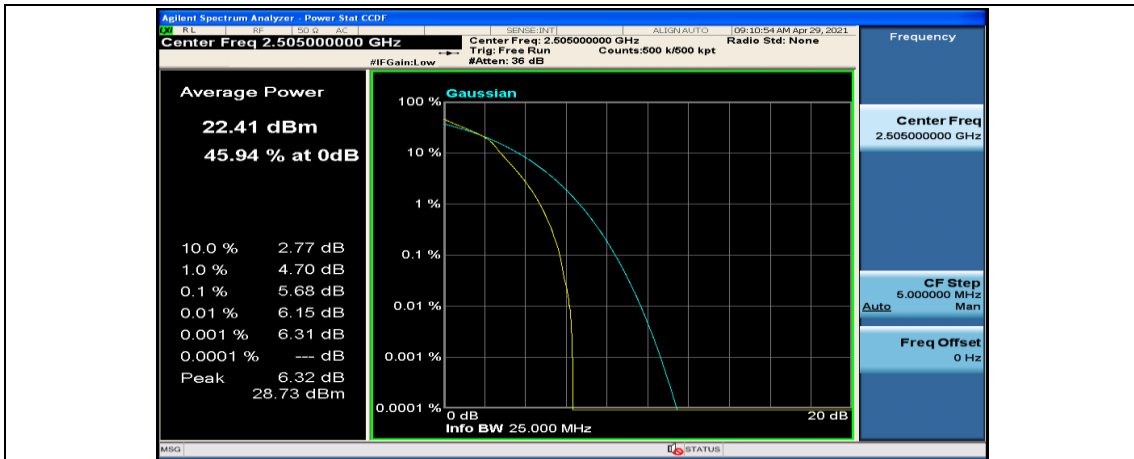


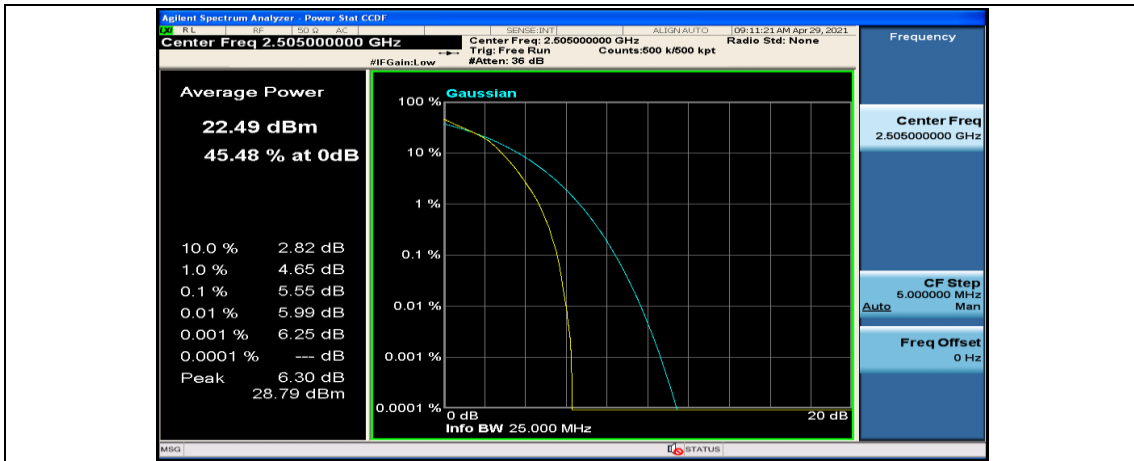




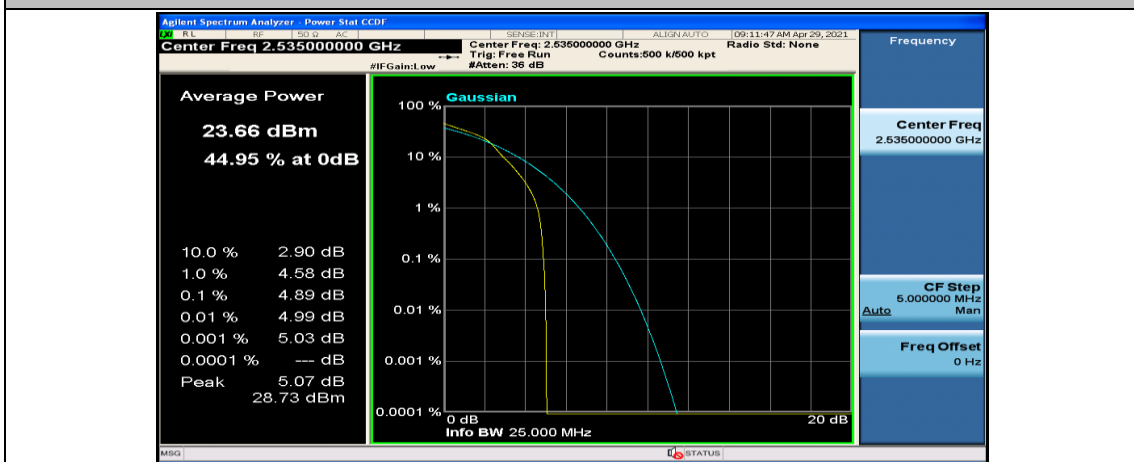




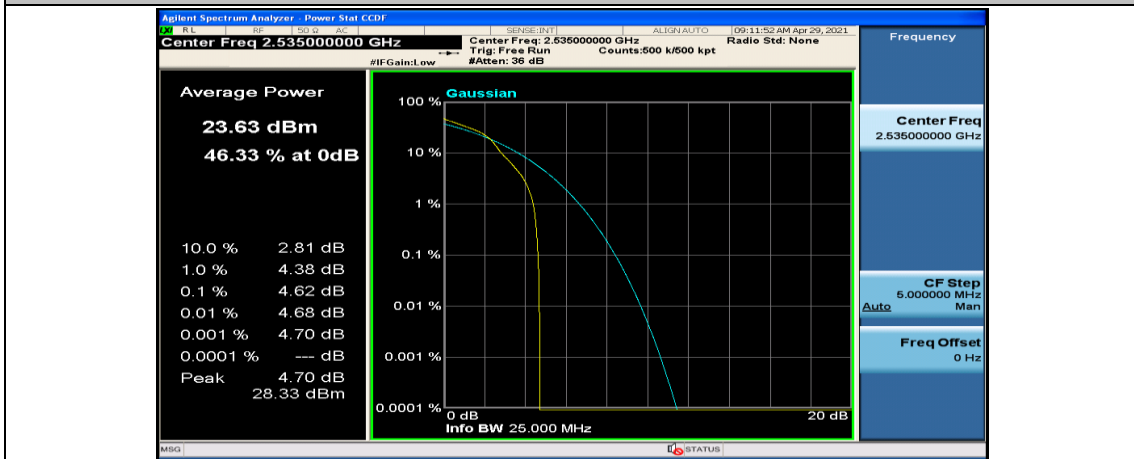




Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

