

Appendix for Band 41

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	22.35	PASS
		1	12	22.76	PASS
		1	24	22.47	PASS
		12	0	21.43	PASS
		12	6	21.57	PASS
		12	13	21.49	PASS
		25	0	21.49	PASS
	MCH	1	0	22.25	PASS
		1	12	22.64	PASS
		1	24	22.22	PASS
		12	0	21.21	PASS
		12	6	21.25	PASS
		12	13	21.23	PASS
		25	0	21.21	PASS
	HCH	1	0	22.73	PASS
		1	12	23.14	PASS
		1	24	22.7	PASS
		12	0	21.85	PASS
		12	6	21.85	PASS
		12	13	21.73	PASS
		25	0	21.8	PASS
16QAM	LCH	1	0	21.45	PASS
		1	12	21.84	PASS
		1	24	21.6	PASS
		12	0	20.43	PASS
		12	6	20.56	PASS
		12	13	20.54	PASS
		25	0	20.45	PASS
	MCH	1	0	21.43	PASS
		1	12	21.74	PASS
		1	24	21.42	PASS

		12	0	21.23	PASS
		12	6	21.3	PASS
		12	13	21.26	PASS
		25	0	21.27	PASS
	HCH	1	0	21.86	PASS
		1	12	22.19	PASS
		1	24	21.79	PASS
		12	0	20.85	PASS
		12	6	20.87	PASS
		12	13	20.8	PASS
		25	0	20.77	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.42	PASS
		1	24	22.62	PASS
		1	49	22.59	PASS
		25	0	21.55	PASS
		25	12	21.6	PASS
		25	25	21.61	PASS
		50	0	21.53	PASS
	MCH	1	0	22.39	PASS
		1	24	22.41	PASS
		1	49	22.3	PASS
		25	0	21.22	PASS
		25	12	21.25	PASS
		25	25	21.26	PASS
		50	0	21.19	PASS
	HCH	1	0	22.85	PASS
		1	24	22.89	PASS
		1	49	22.76	PASS
		25	0	21.91	PASS
		25	12	21.89	PASS
		25	25	21.79	PASS
		50	0	21.86	PASS
16QAM	LCH	1	0	21.58	PASS
		1	24	21.71	PASS
		1	49	21.77	PASS
		25	0	20.52	PASS
		25	12	20.54	PASS
		25	25	20.54	PASS

	MCH	50	0	20.53	PASS
		1	0	21.59	PASS
		1	24	21.53	PASS
		1	49	21.45	PASS
		25	0	21.18	PASS
		25	12	21.22	PASS
		25	25	21.21	PASS
		50	0	21.18	PASS
	HCH	1	0	22.03	PASS
		1	24	22.02	PASS
		1	49	21.9	PASS
		25	0	20.88	PASS
		25	12	20.85	PASS
		25	25	20.75	PASS
		50	0	20.81	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.39	PASS
		1	37	22.82	PASS
		1	74	22.55	PASS
		37	0	21.66	PASS
		37	18	21.67	PASS
		37	38	21.67	PASS
		75	0	21.69	PASS
	MCH	1	0	22.4	PASS
		1	37	22.58	PASS
		1	74	22.25	PASS
		37	0	21.33	PASS
		37	18	21.36	PASS
		37	38	21.32	PASS
		75	0	21.38	PASS
	HCH	1	0	22.85	PASS
		1	37	23.09	PASS
		1	74	22.72	PASS
		37	0	22.01	PASS
		37	18	21.95	PASS
		37	38	21.92	PASS
		75	0	21.97	PASS
16QAM	LCH	1	0	21.59	PASS
		1	37	21.99	PASS

		1	74	21.74	PASS
		37	0	20.55	PASS
		37	18	20.59	PASS
		37	38	20.62	PASS
		75	0	20.59	PASS
	MCH	1	0	21.58	PASS
		1	37	21.66	PASS
		1	74	21.38	PASS
		37	0	21.28	PASS
		37	18	21.29	PASS
		37	38	21.25	PASS
		75	0	21.26	PASS
	HCH	1	0	22.03	PASS
		1	37	22.2	PASS
		1	74	21.86	PASS
		37	0	20.93	PASS
		37	18	20.88	PASS
		37	38	20.85	PASS
		75	0	20.88	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.04	PASS
		1	49	23.15	PASS
		1	99	23.12	PASS
		50	0	22.16	PASS
		50	25	21.66	PASS
		50	50	21.52	PASS
		100	0	22.04	PASS
	MCH	1	0	22.68	PASS
		1	49	22.47	PASS
		1	99	22.26	PASS
		50	0	21.77	PASS
		50	25	21.51	PASS
		50	50	21.17	PASS
		100	0	21.62	PASS
	HCH	1	0	22.48	PASS
		1	49	22.88	PASS
		1	99	22.45	PASS
		50	0	21.62	PASS
		50	25	21.59	PASS

		50	50	21.46	PASS
		100	0	21.54	PASS
16QAM	LCH	1	0	21.57	PASS
		1	49	21.9	PASS
		1	99	21.78	PASS
		50	0	20.48	PASS
		50	25	20.54	PASS
		50	50	20.51	PASS
		100	0	20.49	PASS
	MCH	1	0	21.65	PASS
		1	49	21.63	PASS
		1	99	21.51	PASS
		50	0	21.15	PASS
		50	25	21.2	PASS
		50	50	21.16	PASS
		100	0	21.09	PASS
	HCH	1	0	21.56	PASS
		1	49	21.76	PASS
		1	99	21.46	PASS
		50	0	20.57	PASS
		50	25	20.55	PASS
		50	50	20.41	PASS
		100	0	20.49	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	9.14	<13	PASS
		1	12	8.54	<13	PASS
		1	24	8.75	<13	PASS
		12	0	7.23	<13	PASS
		12	6	9.45	<13	PASS
		12	13	12.16	<13	PASS
		25	0	9.01	<13	PASS
	MCH	1	0	6.29	<13	PASS
		1	12	7.55	<13	PASS
		1	24	6.6	<13	PASS
		12	0	9.12	<13	PASS
		12	6	8.06	<13	PASS
		12	13	9.34	<13	PASS
		25	0	6.38	<13	PASS
	HCH	1	0	6.09	<13	PASS
		1	12	6.72	<13	PASS
		1	24	6.84	<13	PASS
		12	0	7.19	<13	PASS
		12	6	8.06	<13	PASS
		12	13	6.12	<13	PASS
		25	0	8.22	<13	PASS
16QAM	LCH	1	0	7.89	<13	PASS
		1	12	7.28	<13	PASS
		1	24	6.05	<13	PASS
		12	0	9.83	<13	PASS
		12	6	11.93	<13	PASS
		12	13	9.39	<13	PASS
		25	0	8.25	<13	PASS
	MCH	1	0	9.4	<13	PASS
		1	12	8.02	<13	PASS
		1	24	8.26	<13	PASS
		12	0	8.11	<13	PASS
		12	6	8.22	<13	PASS

		12	13	9.46	<13	PASS
		25	0	8.28	<13	PASS
	HCH	1	0	6.69	<13	PASS
		1	12	7.81	<13	PASS
		1	24	10.46	<13	PASS
		12	0	11.77	<13	PASS
		12	6	7.01	<13	PASS
		12	13	8.29	<13	PASS
		25	0	7.81	<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	7.74	<13	PASS
		1	24	8.24	<13	PASS
		1	49	10.17	<13	PASS
		25	0	7.91	<13	PASS
		25	12	9.71	<13	PASS
		25	25	7.51	<13	PASS
		50	0	9.15	<13	PASS
	MCH	1	0	7.91	<13	PASS
		1	49	9.61	<13	PASS
		25	0	8.22	<13	PASS
		25	12	7.21	<13	PASS
		25	25	12.09	<13	PASS
		50	0	8.98	<13	PASS
	HCH	1	0	7.21	<13	PASS
		1	24	7.07	<13	PASS
		1	49	8.99	<13	PASS
		25	0	8.9	<13	PASS
		25	12	6.62	<13	PASS
		25	25	7.09	<13	PASS
		50	0	6.6	<13	PASS
16QAM	LCH	1	0	9.74	<13	PASS
		1	24	8.22	<13	PASS
		1	49	9.74	<13	PASS
		25	0	10.9	<13	PASS
		25	12	10.34	<13	PASS
		25	25	8.18	<13	PASS
		50	0	10.78	<13	PASS

	MCH	1	0	6.98	<13	PASS
		1	24	9.99	<13	PASS
		1	49	7.6	<13	PASS
		25	0	11.1	<13	PASS
		25	12	8.82	<13	PASS
		25	25	7.89	<13	PASS
		50	0	8.83	<13	PASS
	HCH	1	0	8.51	<13	PASS
		1	49	9.05	<13	PASS
		25	12	10.23	<13	PASS
		25	25	7.54	<13	PASS
		50	0	9.85	<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	10.65	<13	PASS
		1	37	12.09	<13	PASS
		1	74	6.89	<13	PASS
		37	0	9.23	<13	PASS
		37	18	9.09	<13	PASS
		37	38	5.93	<13	PASS
		75	0	8.44	<13	PASS
	MCH	1	0	10.96	<13	PASS
		1	37	7.67	<13	PASS
		1	74	7.2	<13	PASS
		37	0	9.18	<13	PASS
		37	18	8.6	<13	PASS
		37	38	9.41	<13	PASS
		75	0	7.92	<13	PASS
	HCH	1	0	9.22	<13	PASS
		1	37	6.61	<13	PASS
		1	74	6.05	<13	PASS
		37	0	7.66	<13	PASS
		37	18	10.52	<13	PASS
		37	38	8.41	<13	PASS
		75	0	6.75	<13	PASS
16QAM	LCH	1	0	9.36	<13	PASS
		1	37	10.95	<13	PASS
		1	74	9.52	<13	PASS

		37	18	10.43	<13	PASS
		37	38	11.43	<13	PASS
		75	0	8.87	<13	PASS
	MCH	1	0	7.05	<13	PASS
		1	37	7.71	<13	PASS
		1	74	8.21	<13	PASS
		37	0	8.48	<13	PASS
		37	18	9.34	<13	PASS
		37	38	12.59	<13	PASS
	HCH	1	0	9.16	<13	PASS
		1	37	9.09	<13	PASS
		1	74	6.64	<13	PASS
		37	0	10.14	<13	PASS
		37	38	8.91	<13	PASS
		75	0	8.57	<13	PASS

Channel Bandwidth: 20 MHz

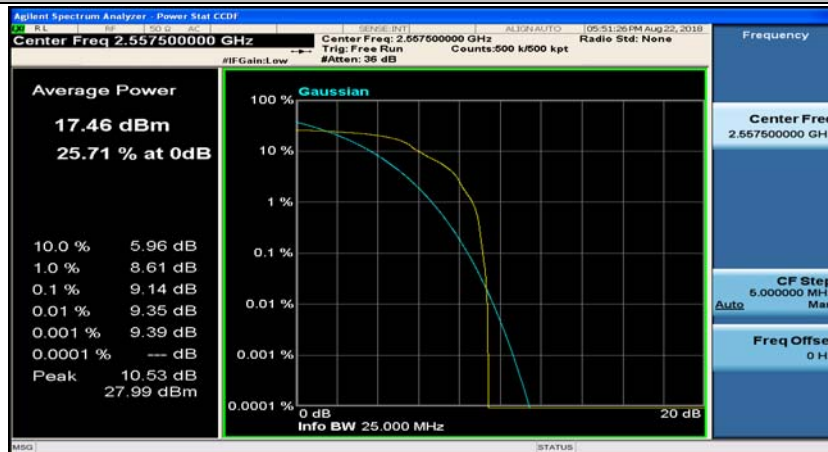
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	7.09	<13	PASS
		1	49	7.52	<13	PASS
		1	99	6.87	<13	PASS
		50	0	10.16	<13	PASS
		50	25	8.08	<13	PASS
		50	50	8.52	<13	PASS
		100	0	7.15	<13	PASS
	MCH	1	0	10.2	<13	PASS
		1	49	7.66	<13	PASS
		1	99	7.02	<13	PASS
		50	0	7.81	<13	PASS
		50	25	8.71	<13	PASS
		50	50	9.01	<13	PASS
		100	0	9.31	<13	PASS
	HCH	1	0	8.96	<13	PASS
		1	49	7.92	<13	PASS
		1	99	6.02	<13	PASS
		50	0	8.46	<13	PASS
		50	25	8.11	<13	PASS
		50	50	9.27	<13	PASS
		100	0	8.48	<13	PASS

16QAM	LCH	1	0	9.14	<13	PASS
		1	49	11.7	<13	PASS
		1	99	7.19	<13	PASS
		50	25	8.43	<13	PASS
		100	0	9.74	<13	PASS
	MCH	1	0	9.35	<13	PASS
		1	49	8.26	<13	PASS
		1	99	7.54	<13	PASS
		50	0	7.54	<13	PASS
		50	25	9.88	<13	PASS
		50	50	9.76	<13	PASS
		100	0	10.36	<13	PASS
	HCH	1	0	7.18	<13	PASS
		1	49	9.43	<13	PASS
		1	99	9.53	<13	PASS
		50	0	9.25	<13	PASS
		50	25	8.45	<13	PASS
		50	50	9.18	<13	PASS
		100	0	9.72	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



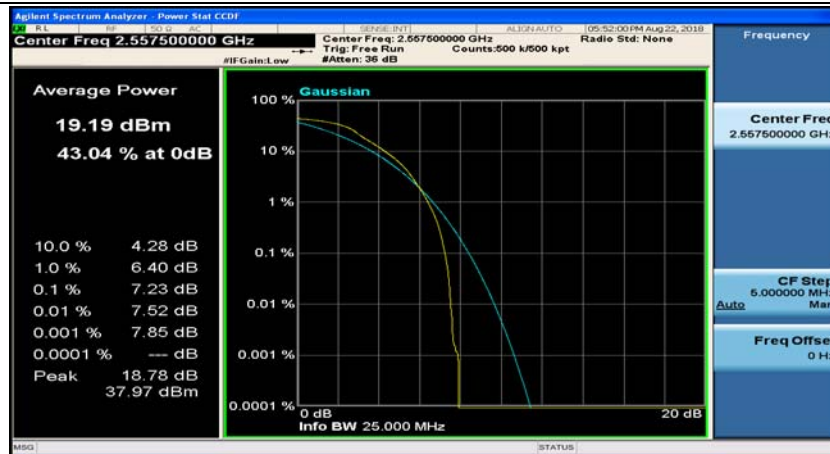
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(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



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



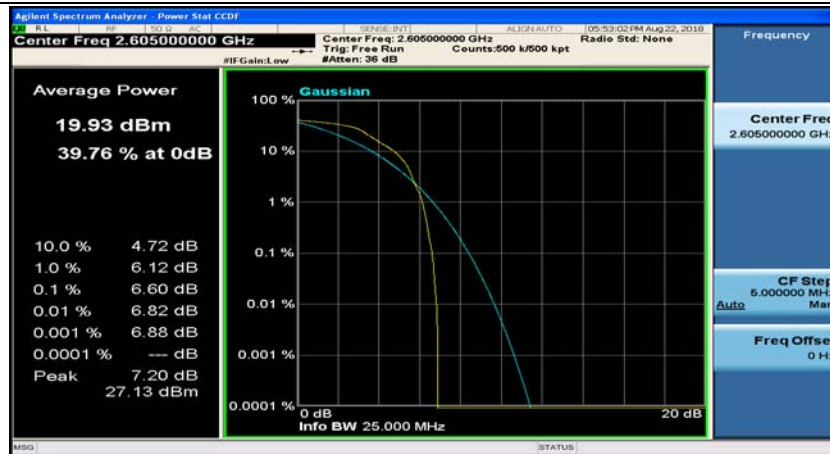
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



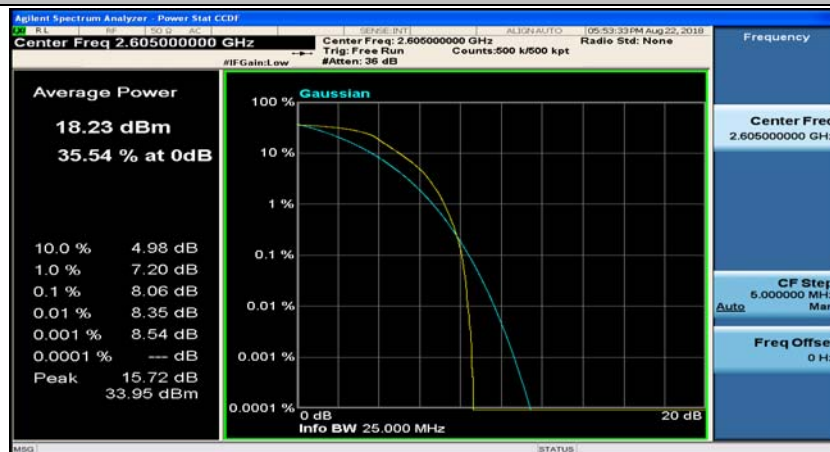
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



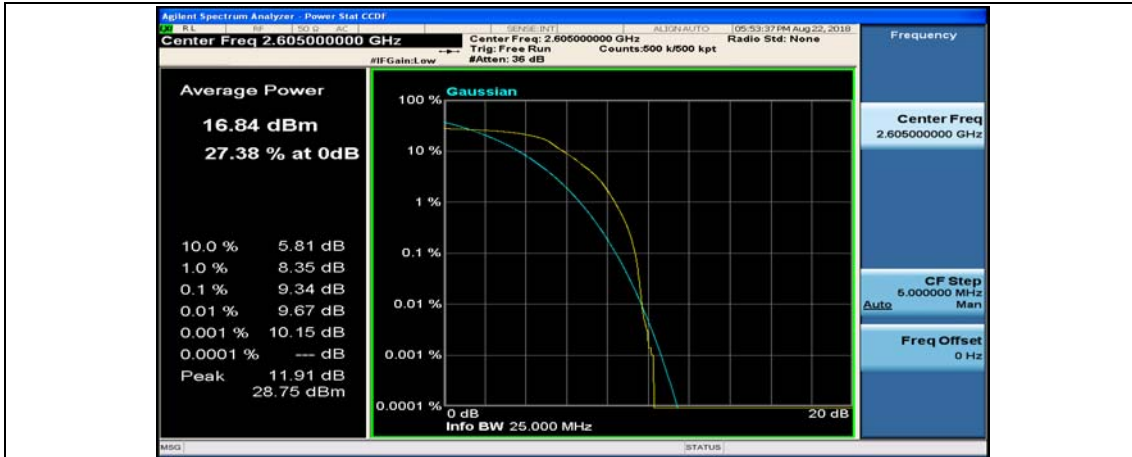
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



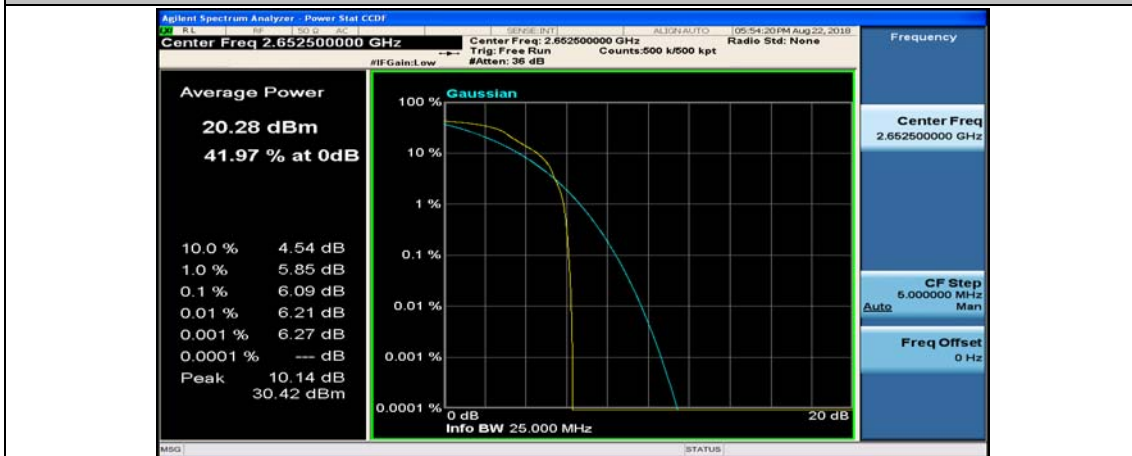
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



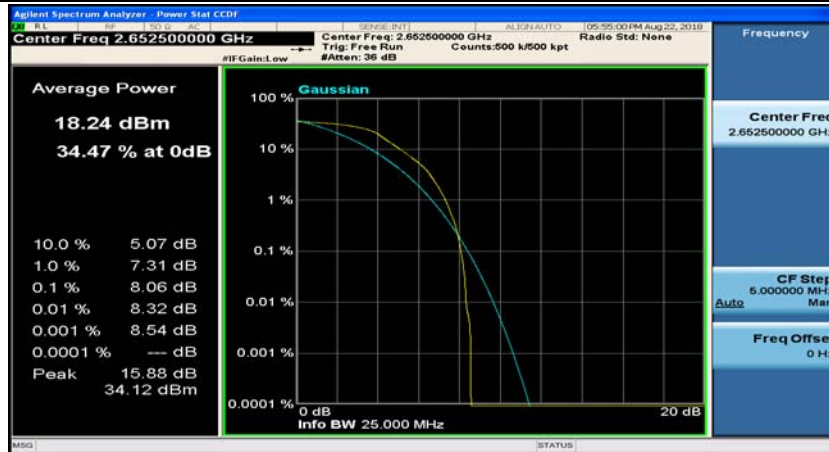
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



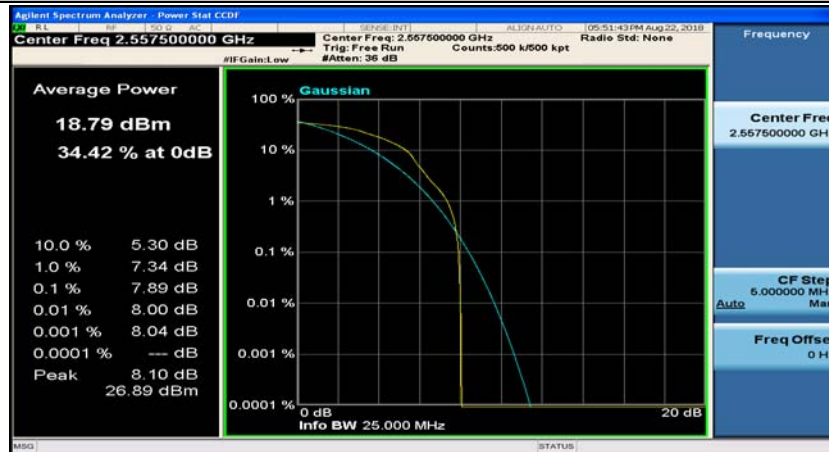
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



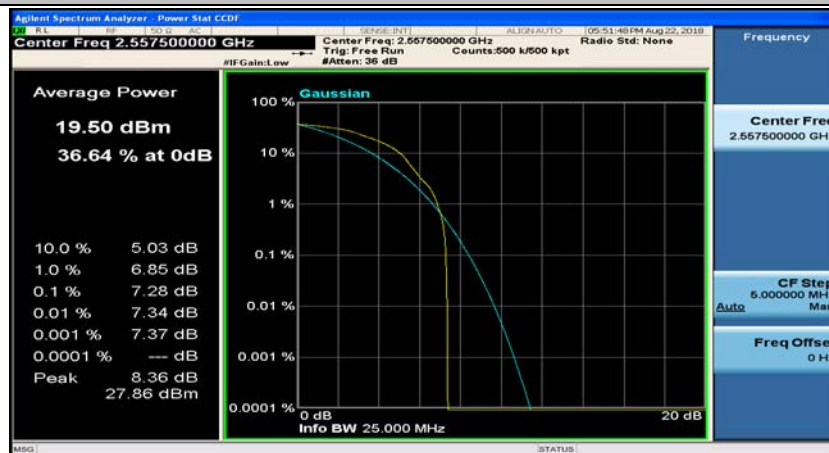
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



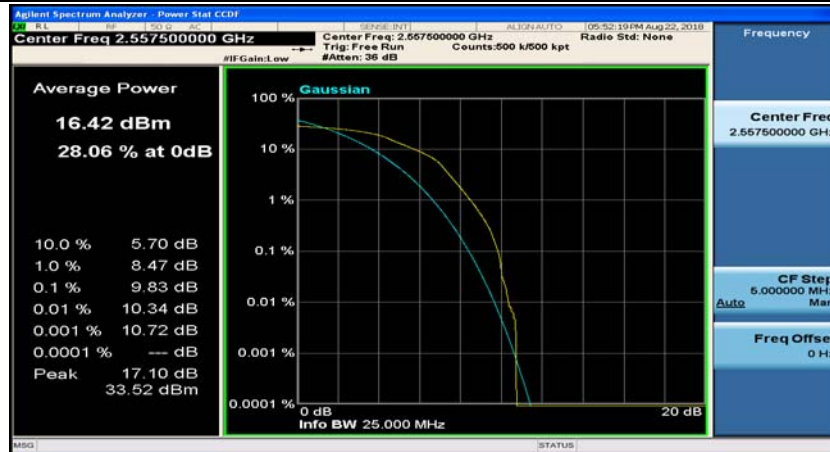
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



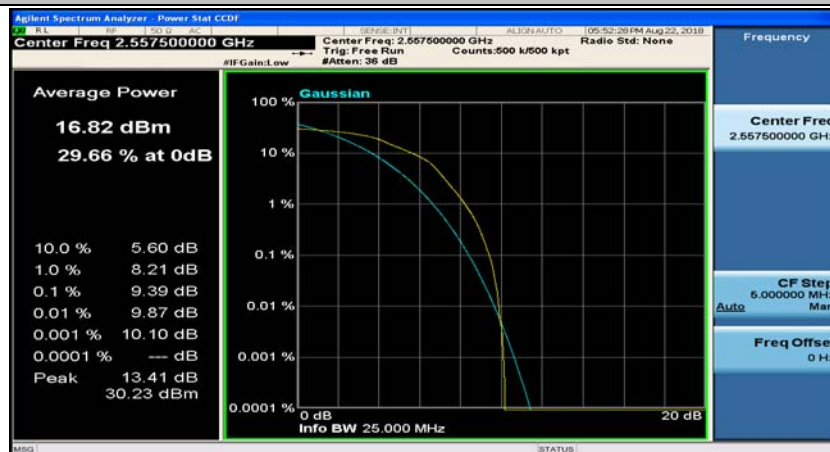
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



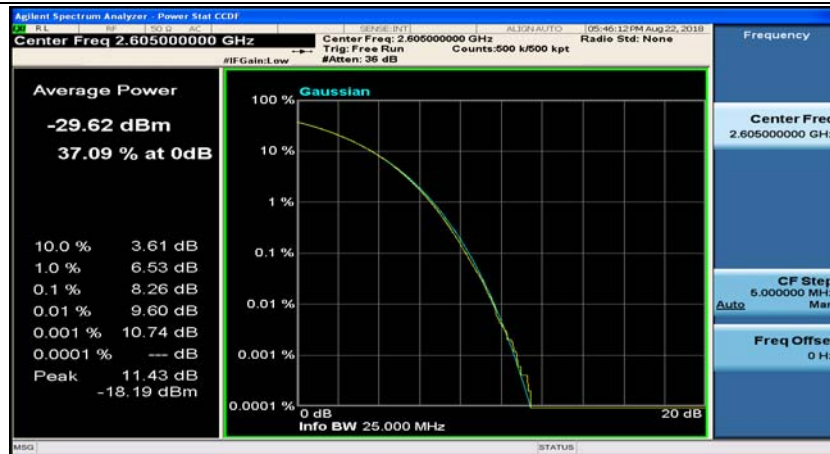
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



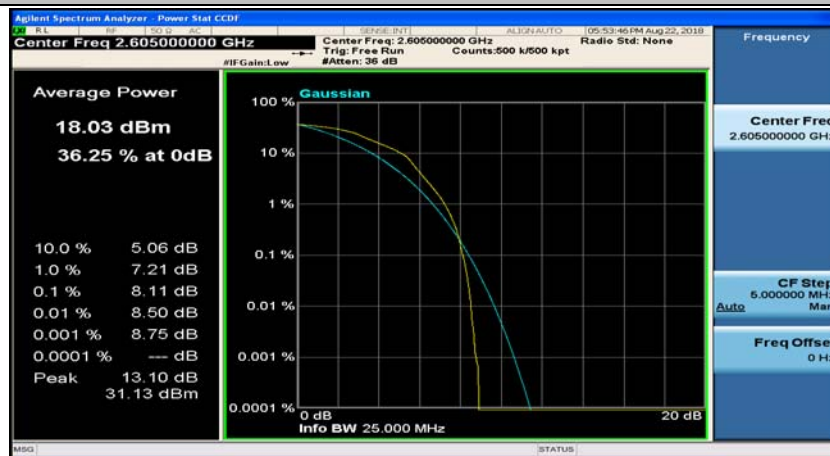
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



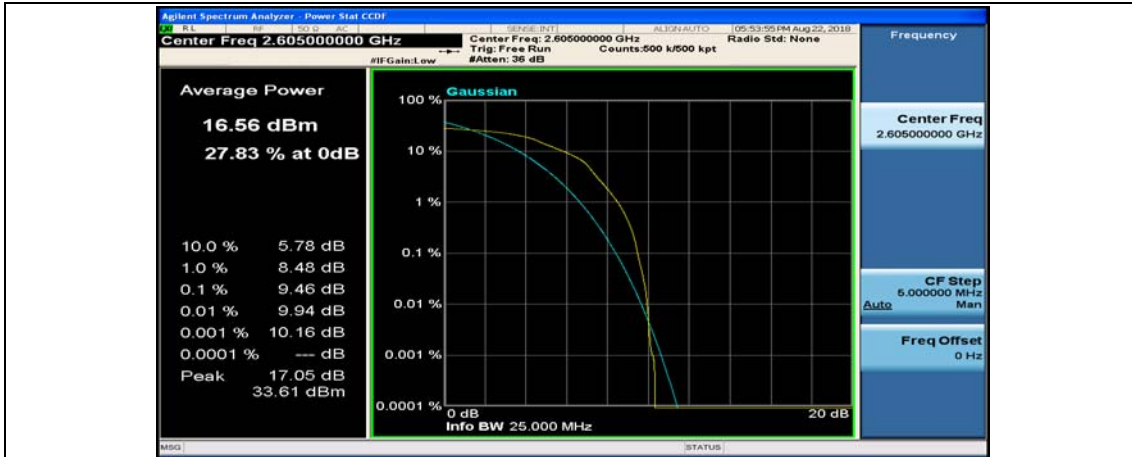
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



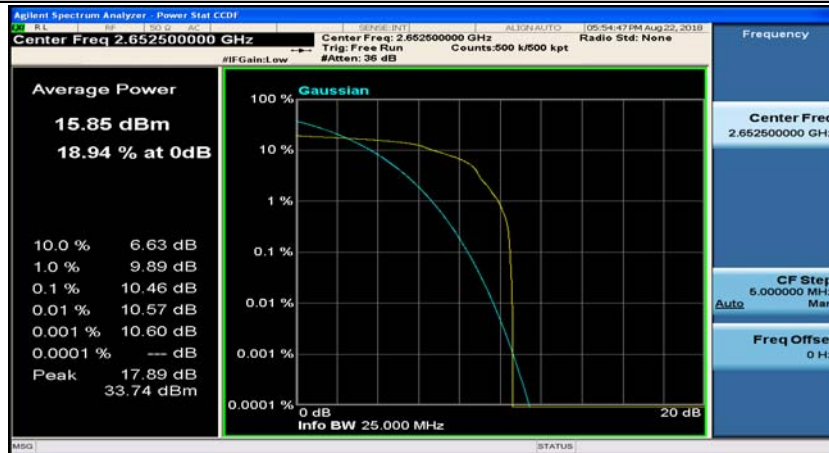
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



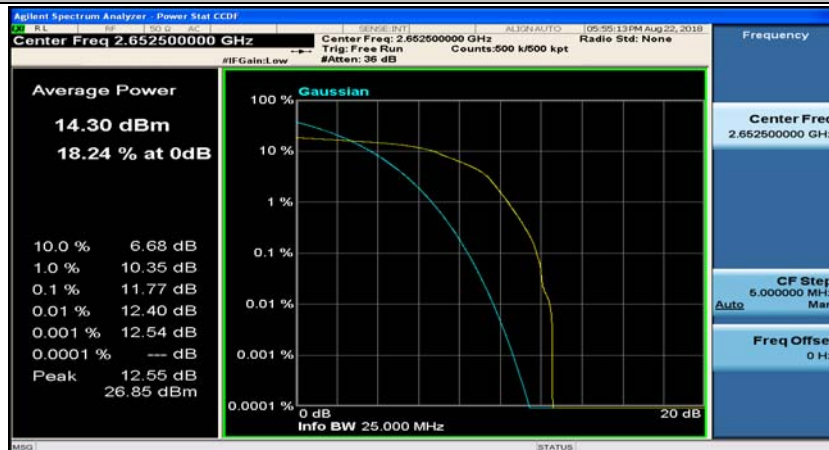
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



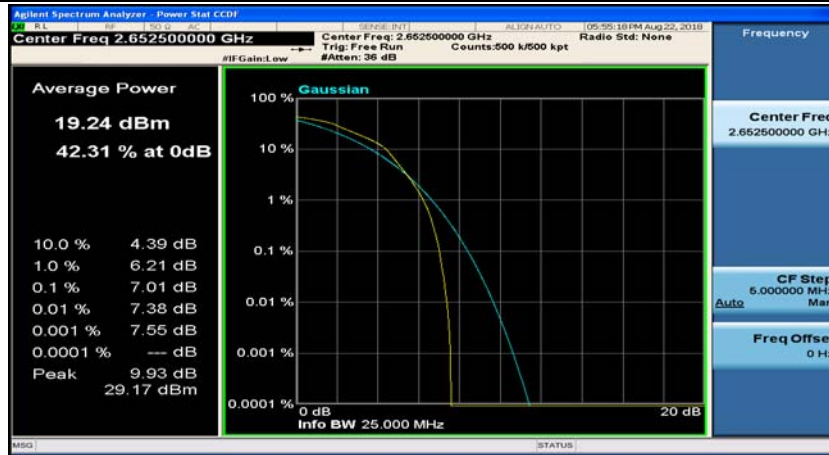
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



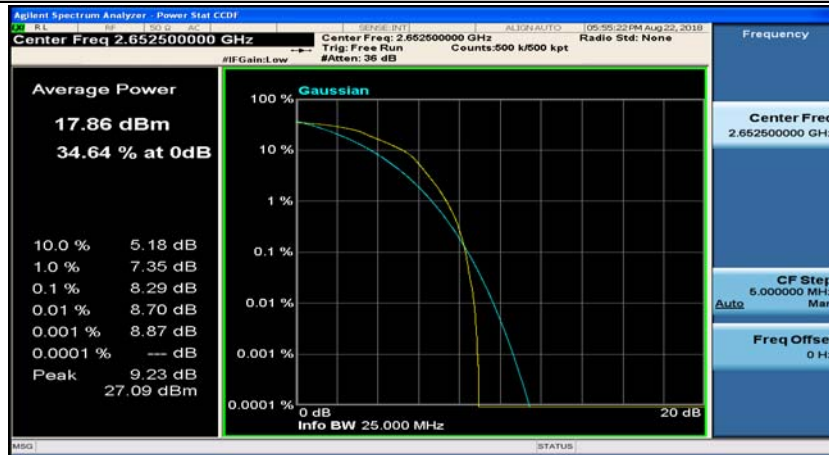
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



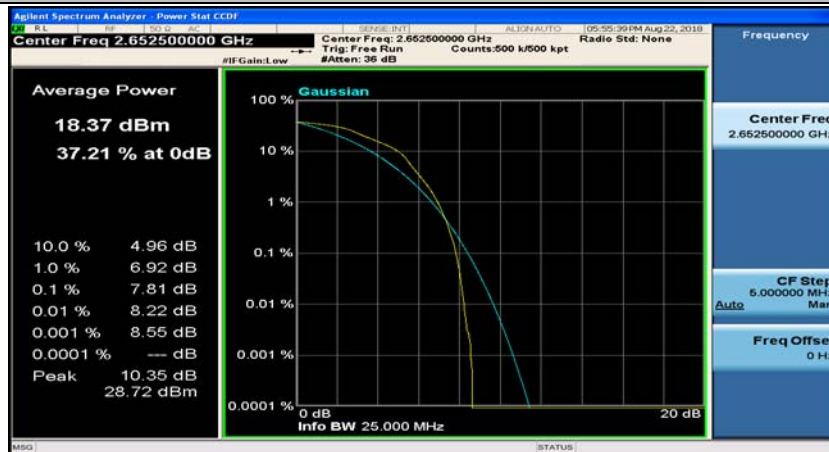
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



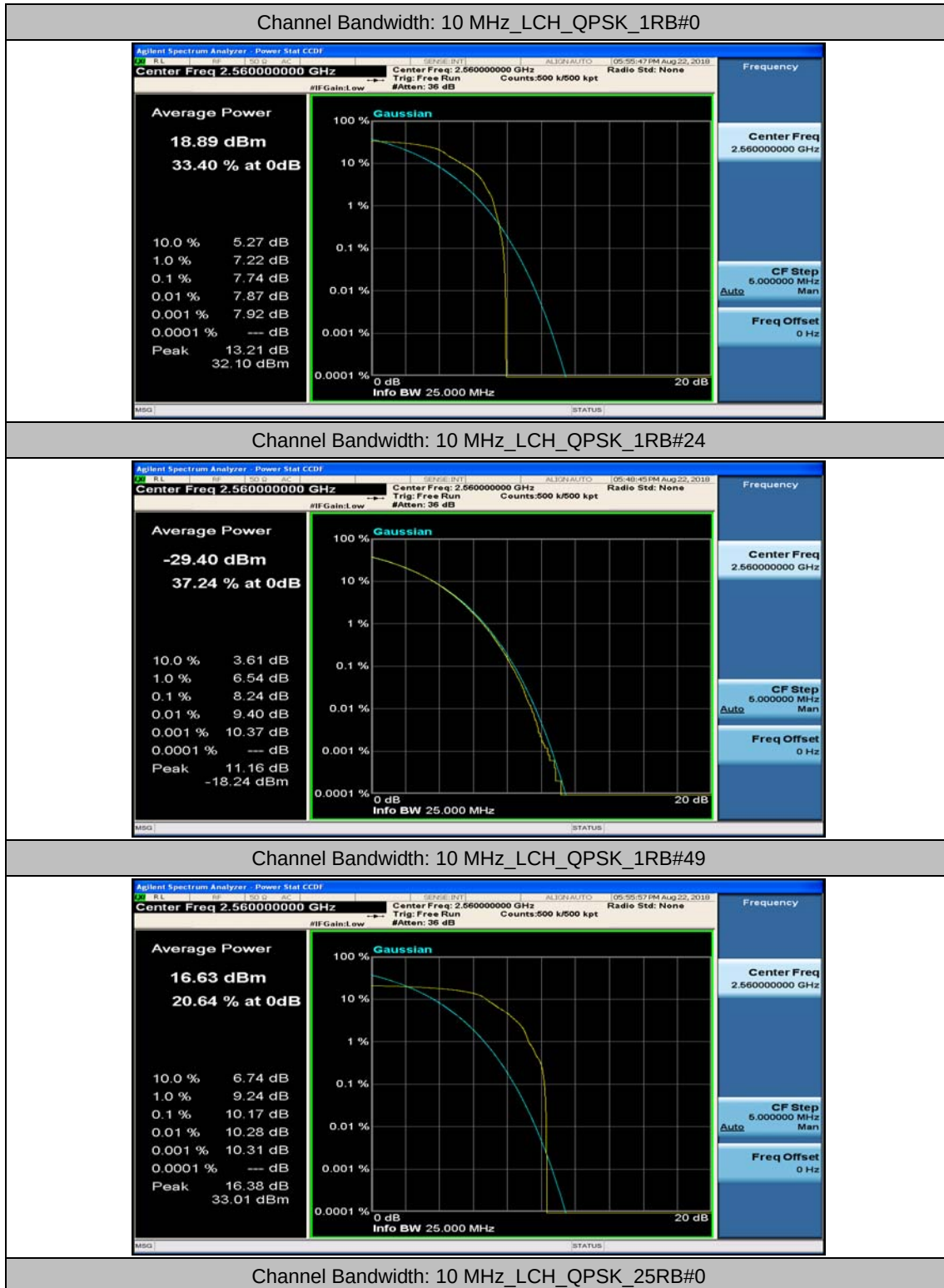
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

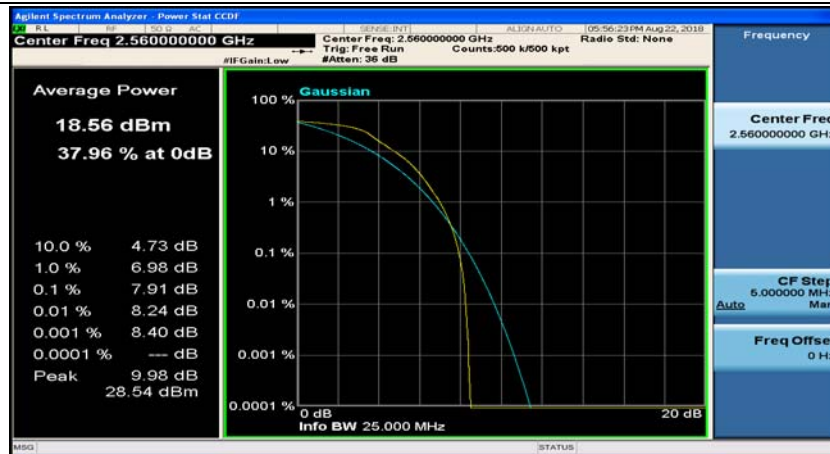


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



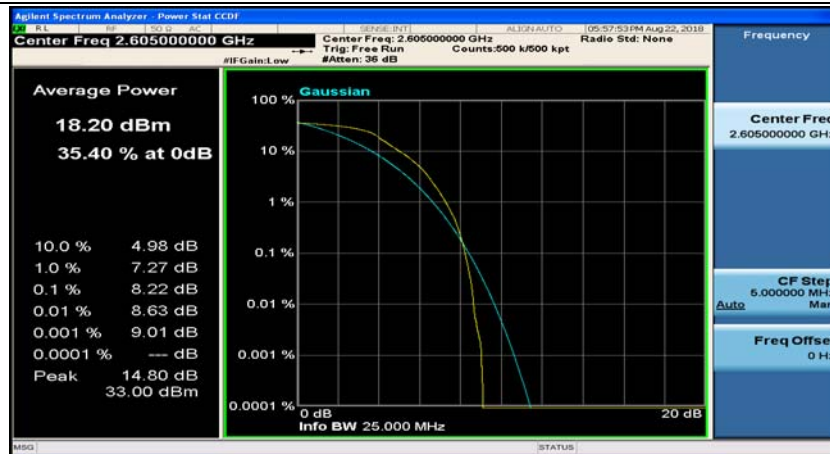
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

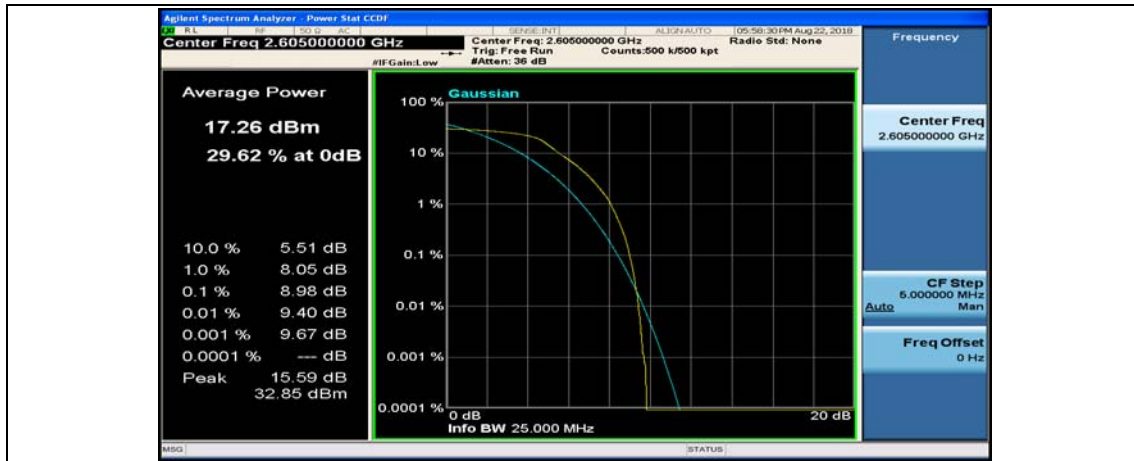


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

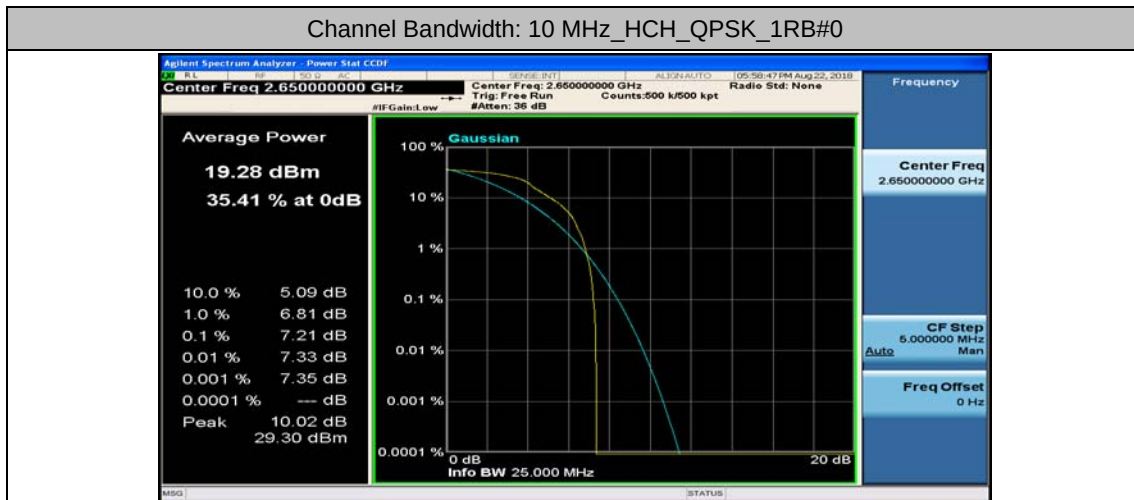


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

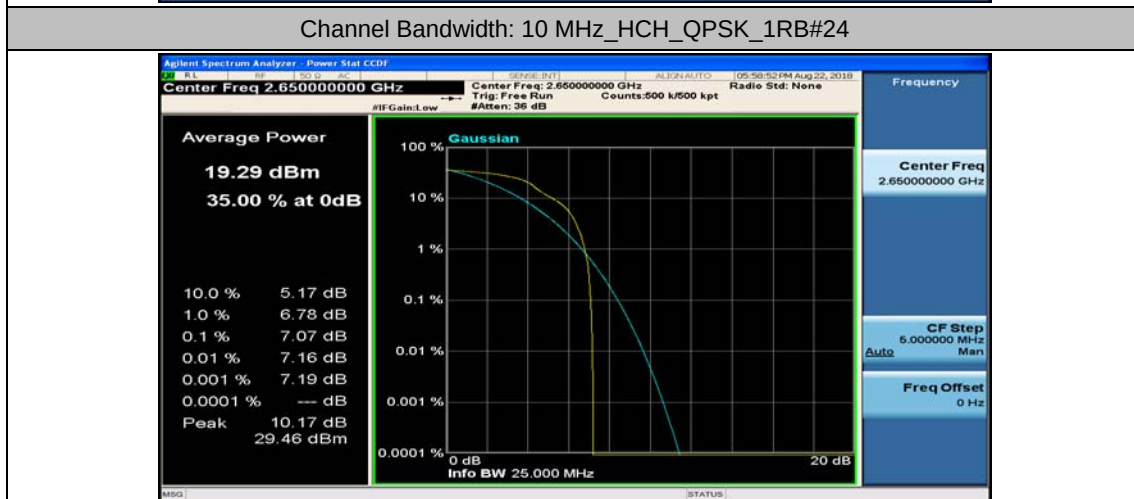




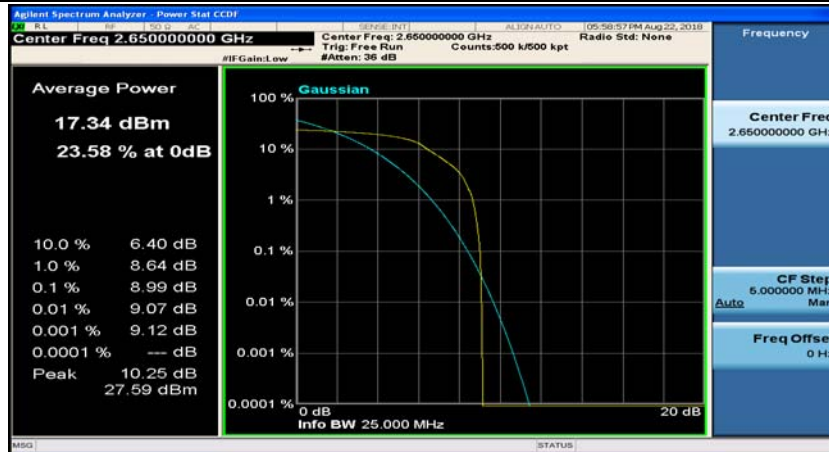
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



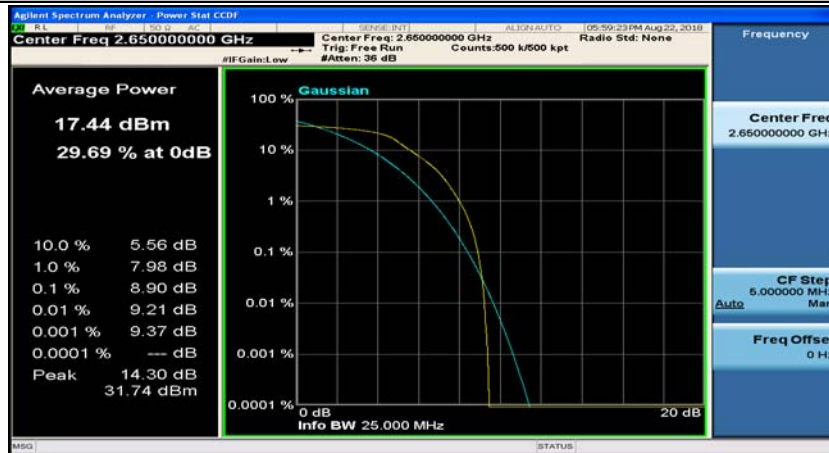
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



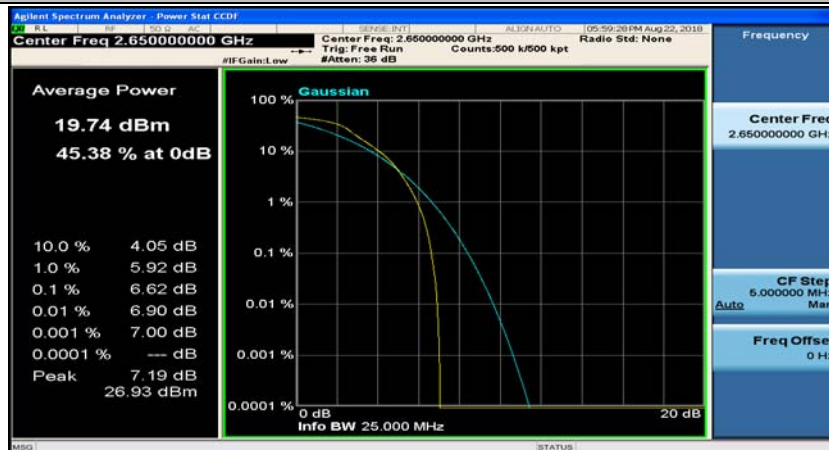
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



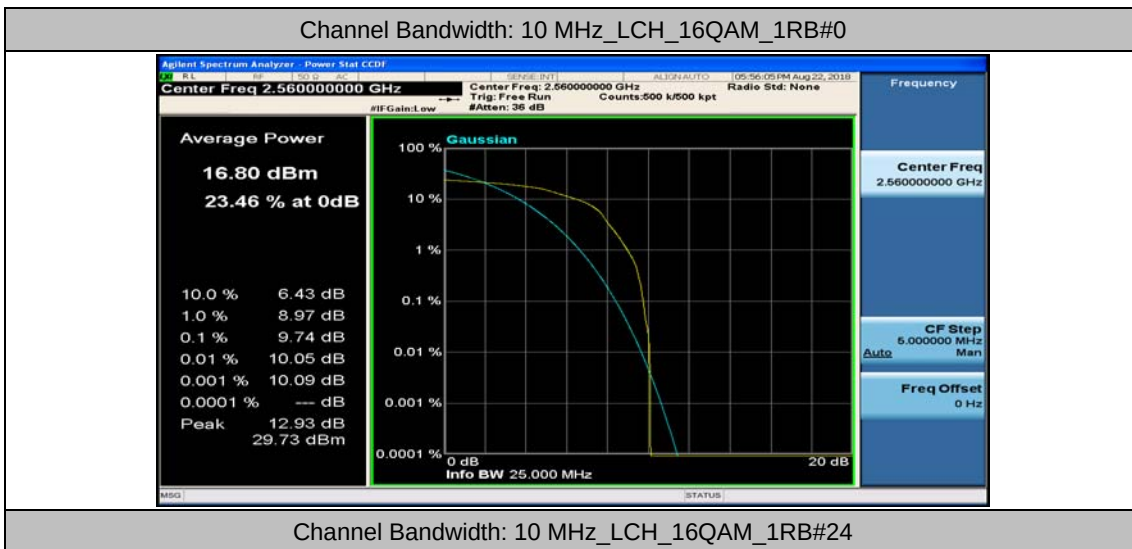
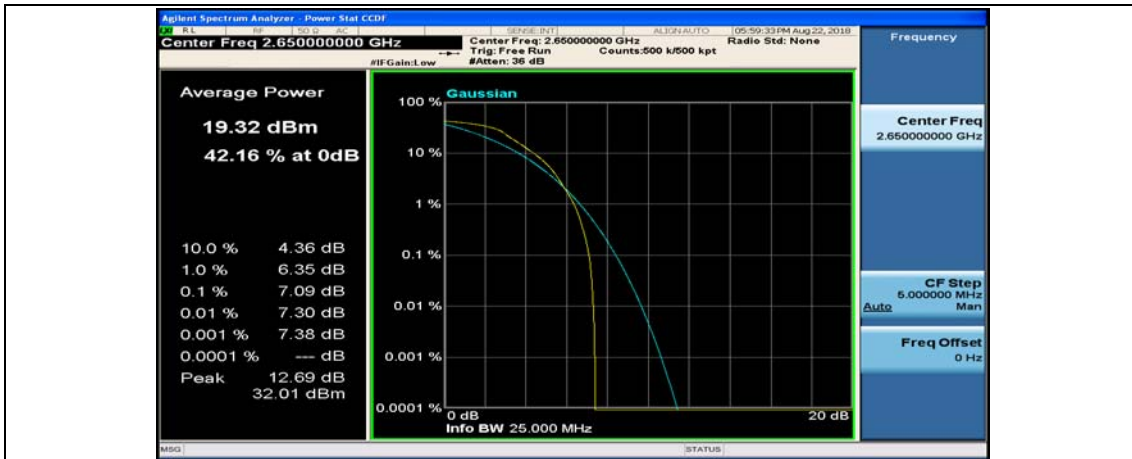
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



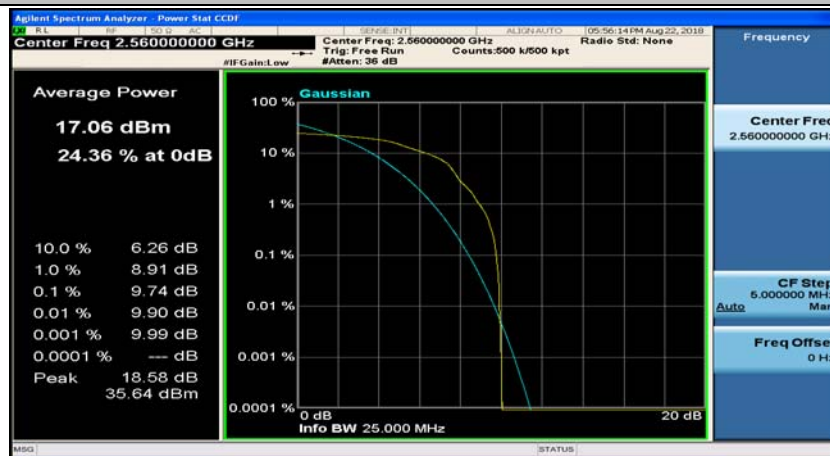
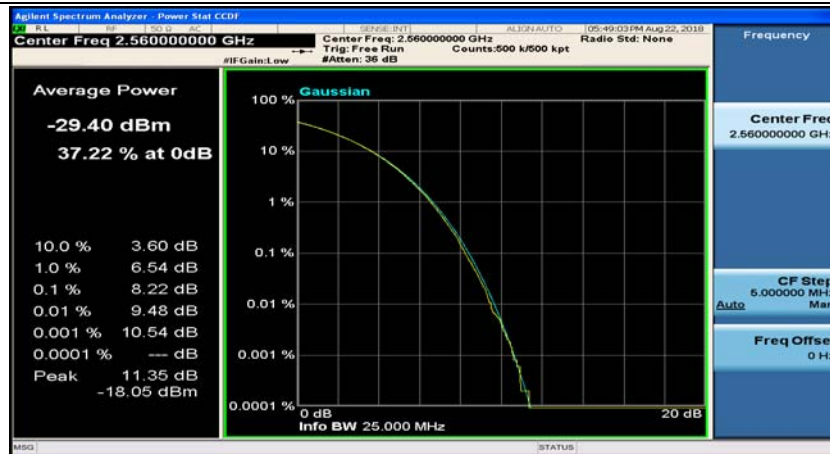
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

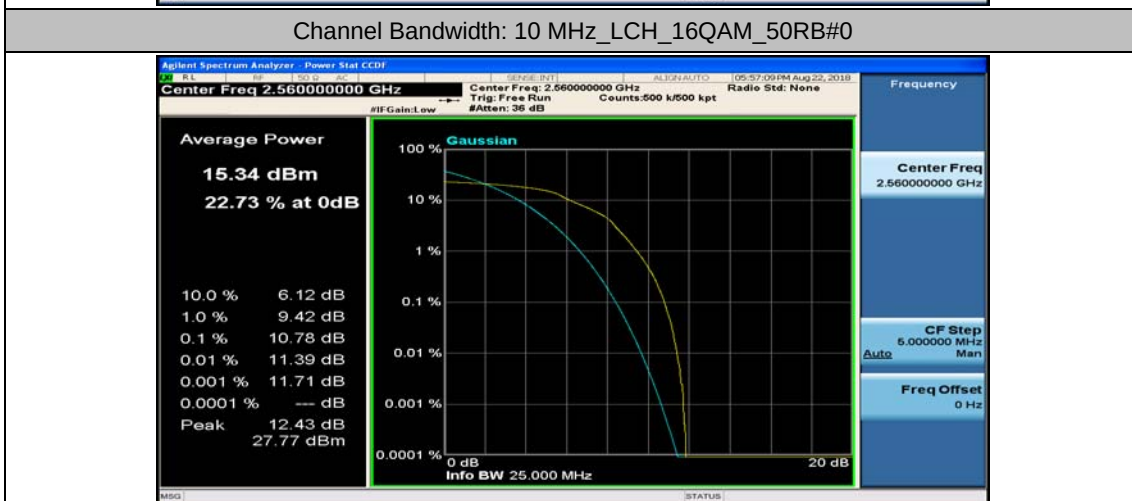
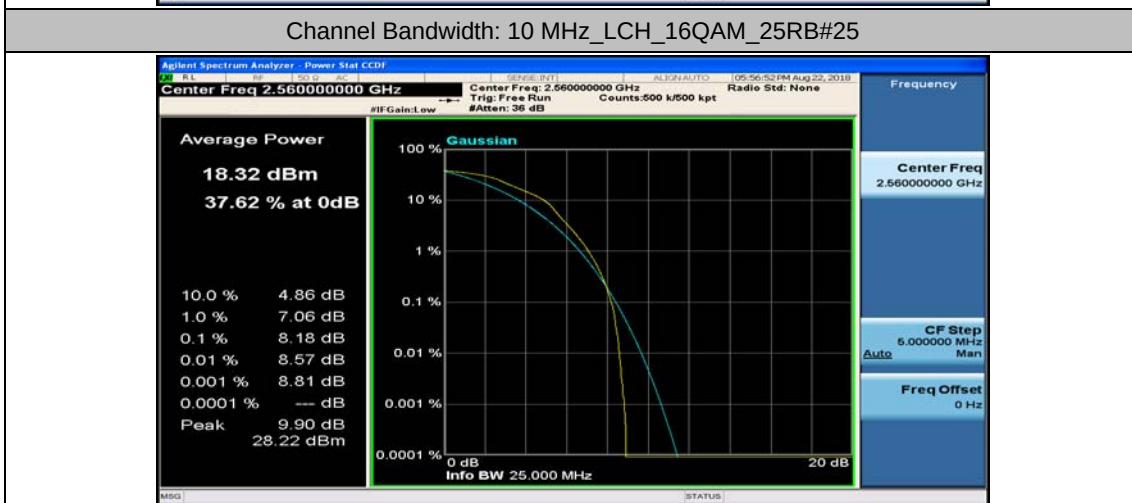


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

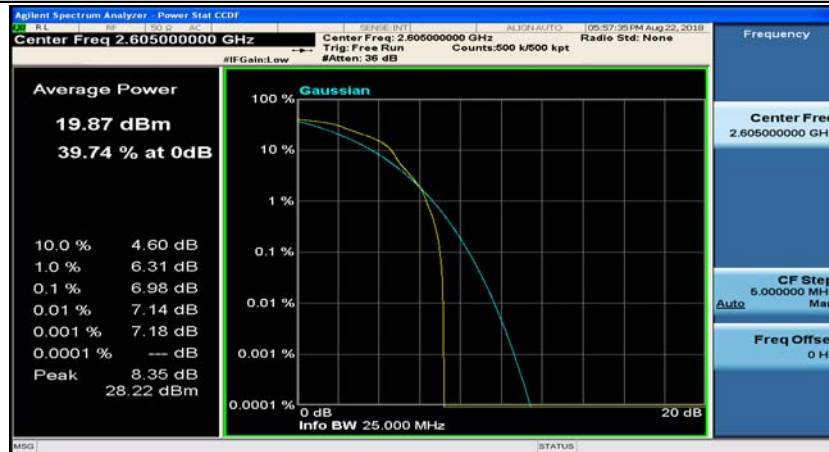


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

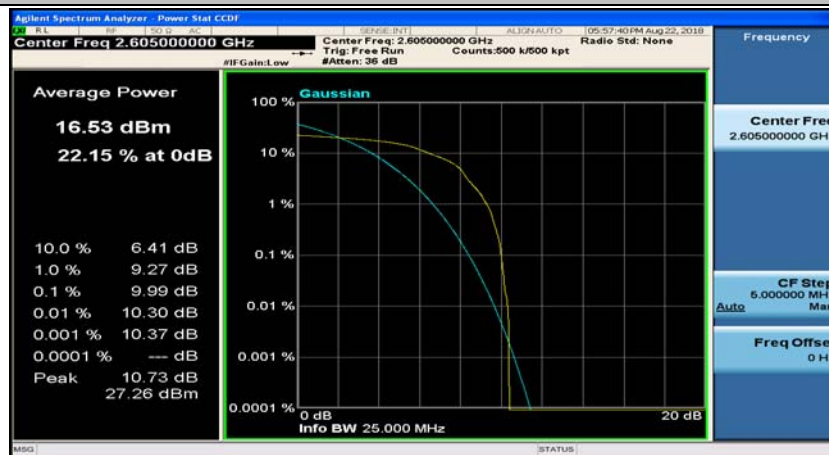




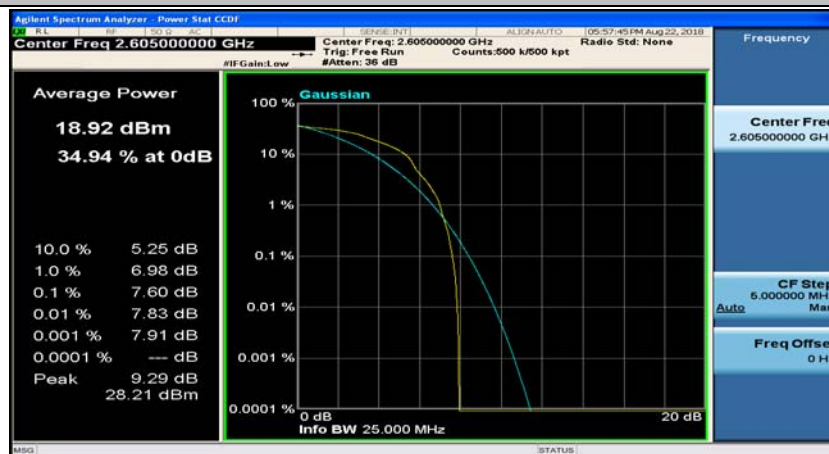
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



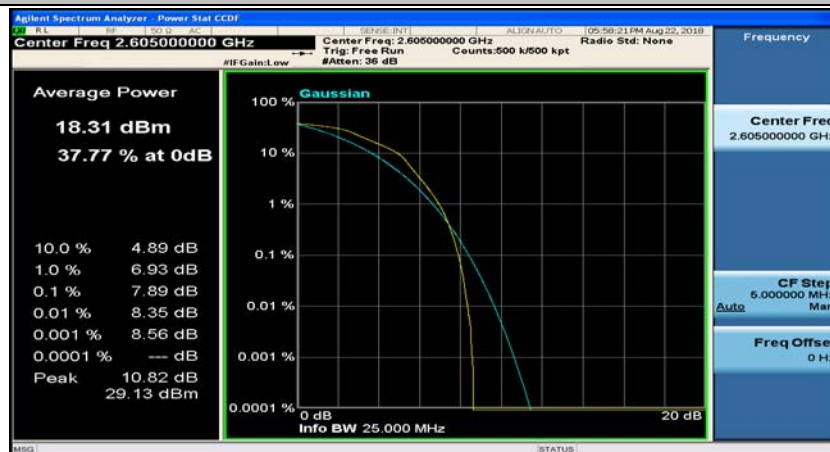
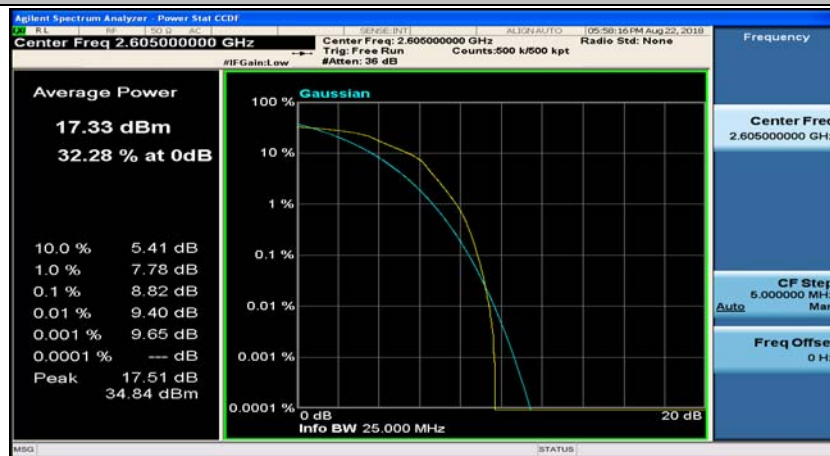
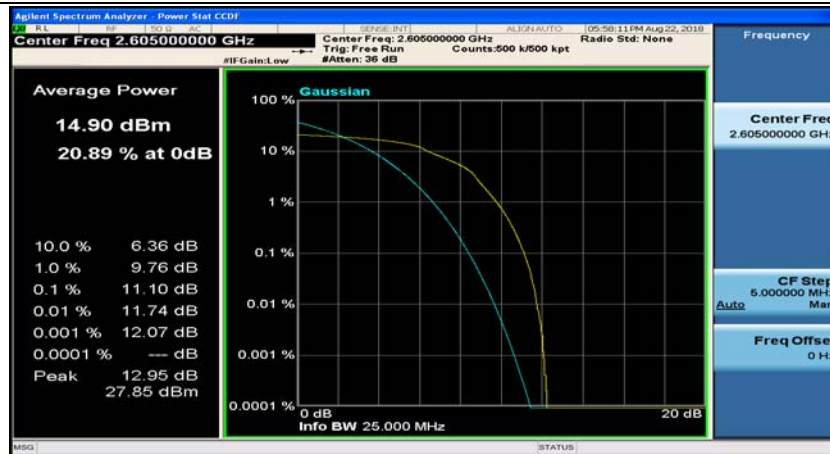
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0





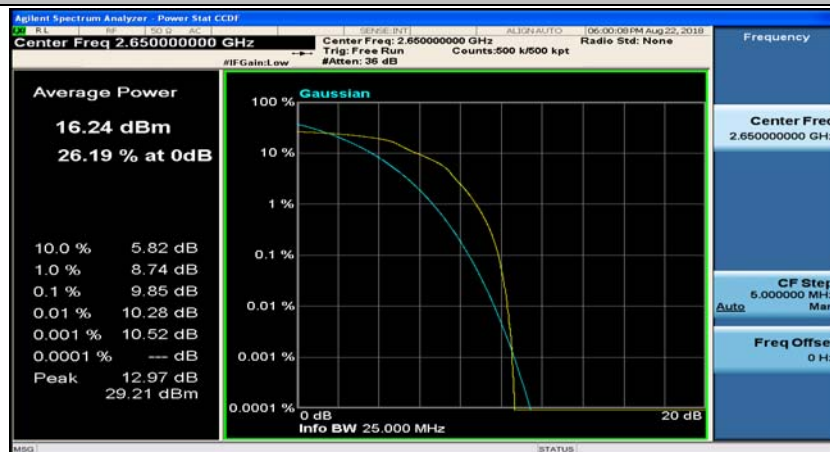
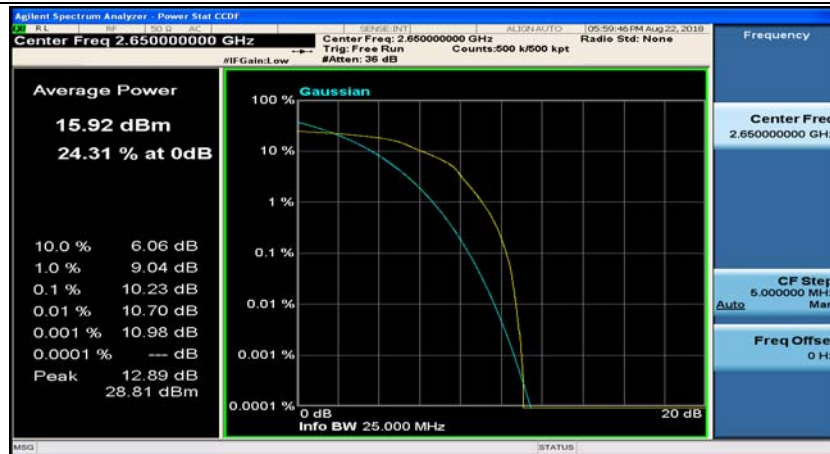
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12

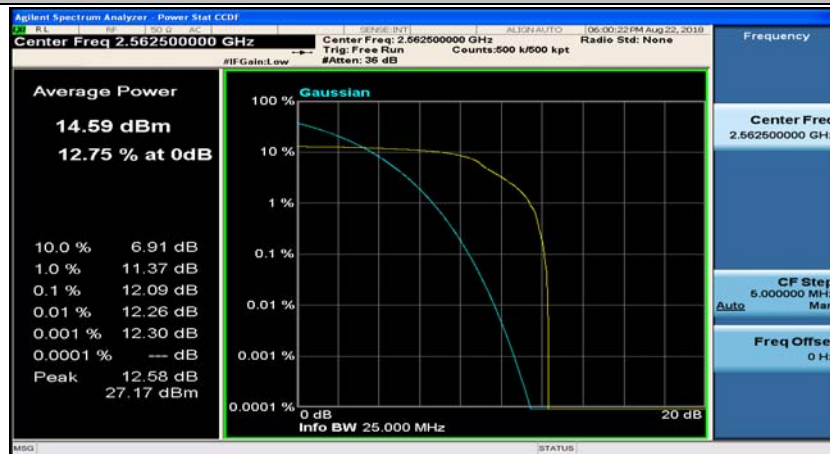


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



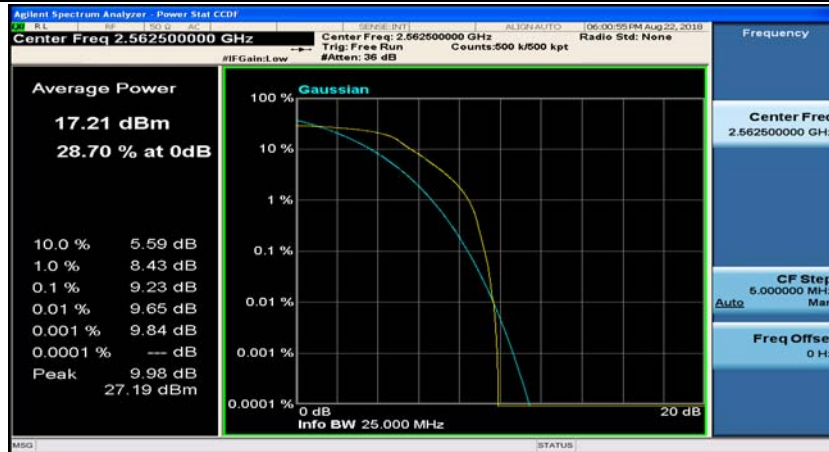
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



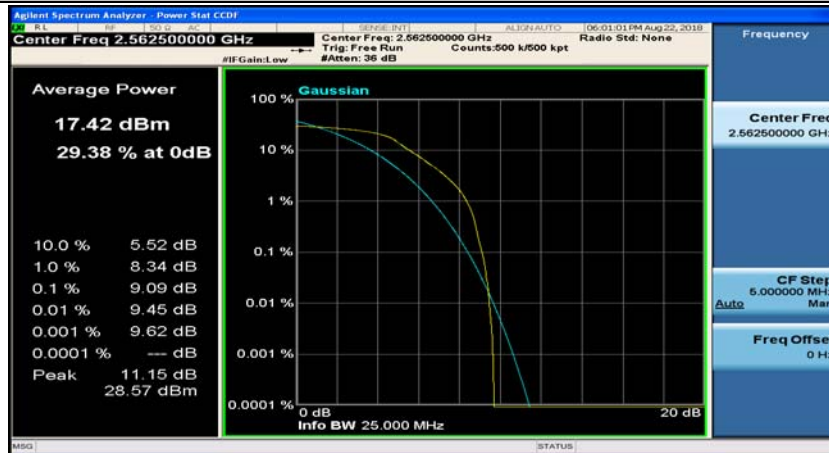
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



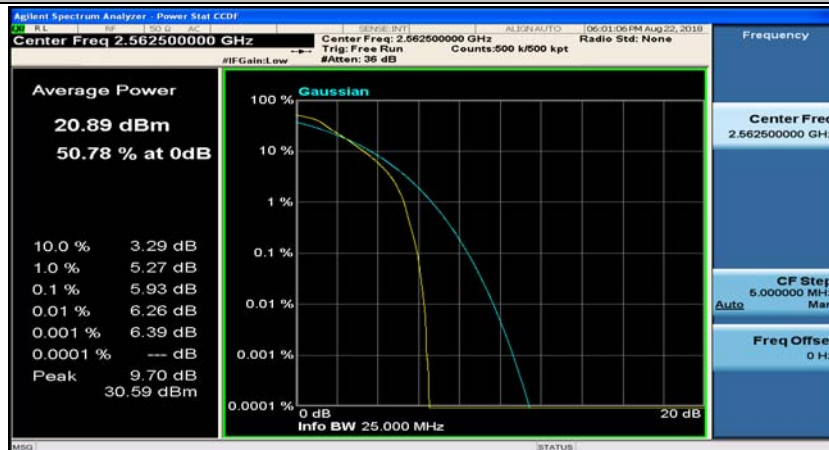
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



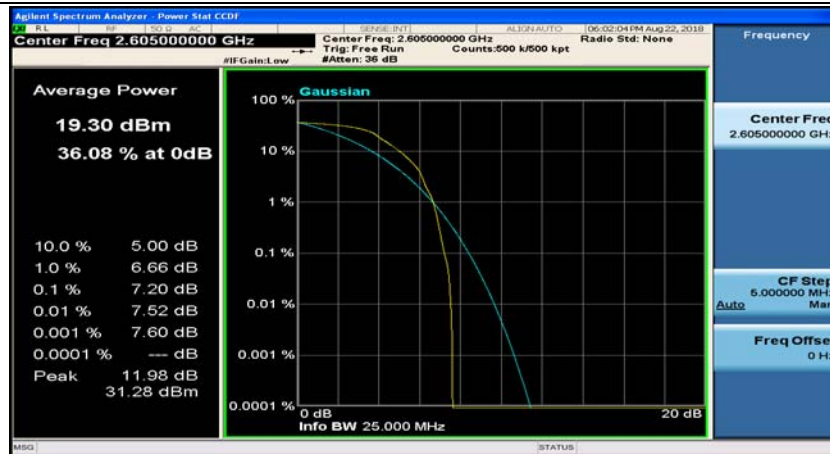
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



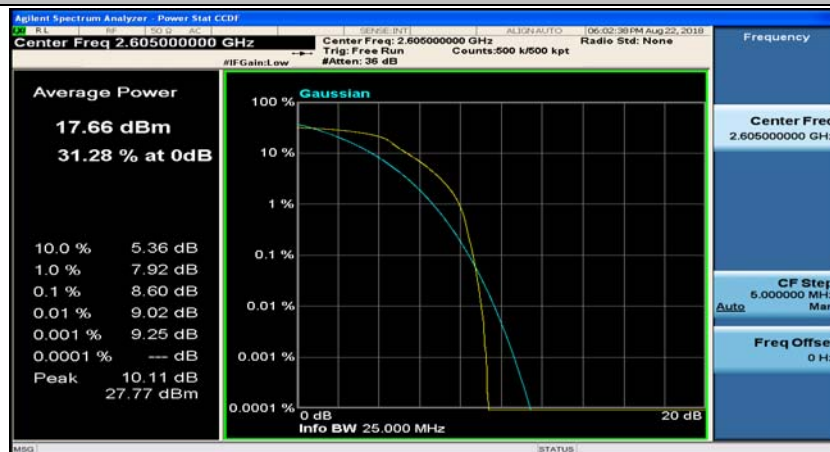
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



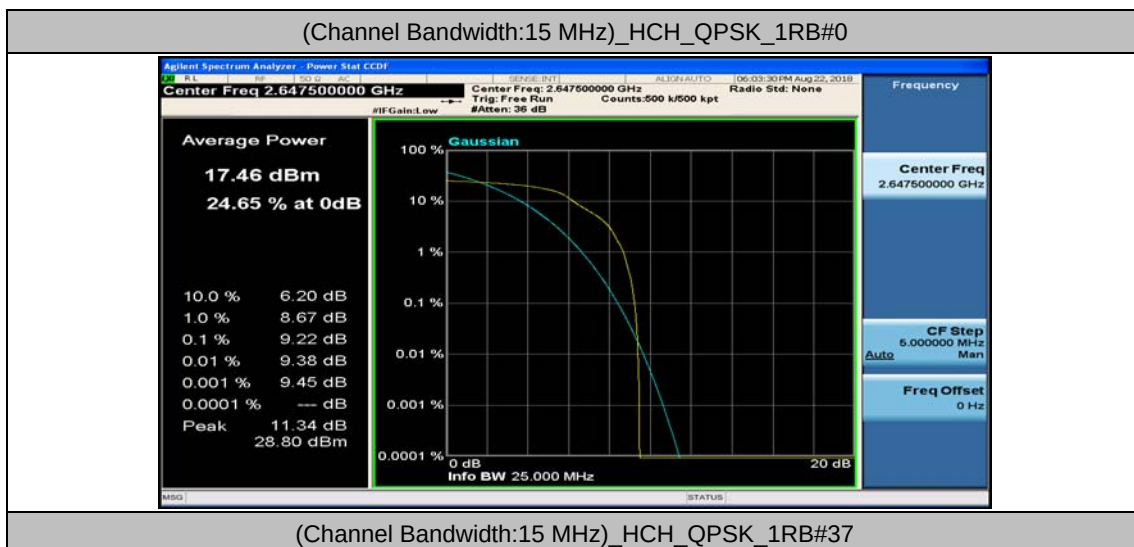
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38

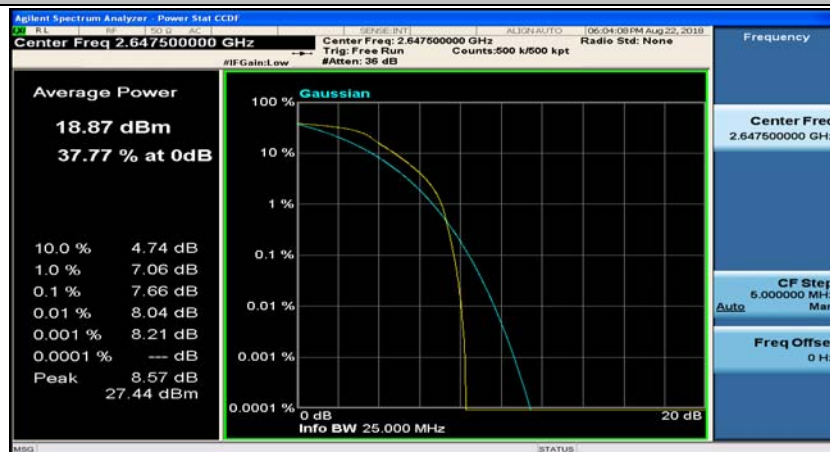




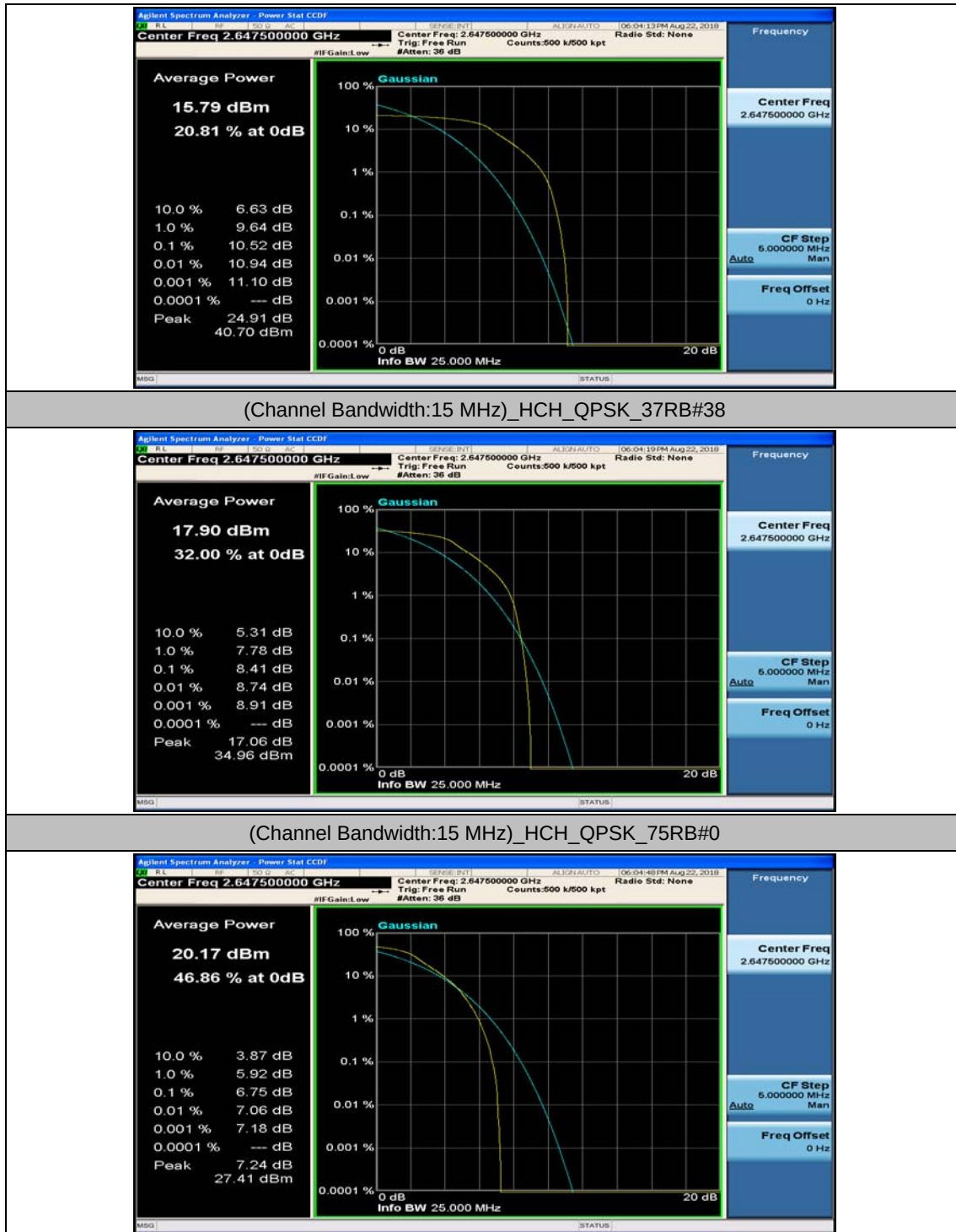
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



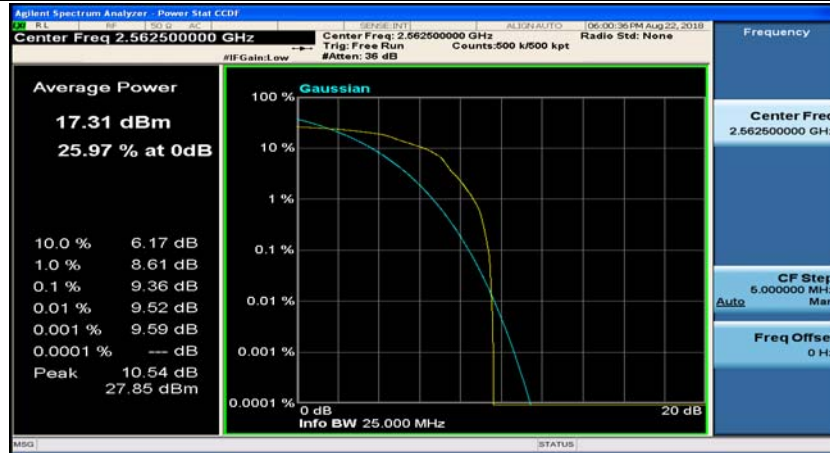
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



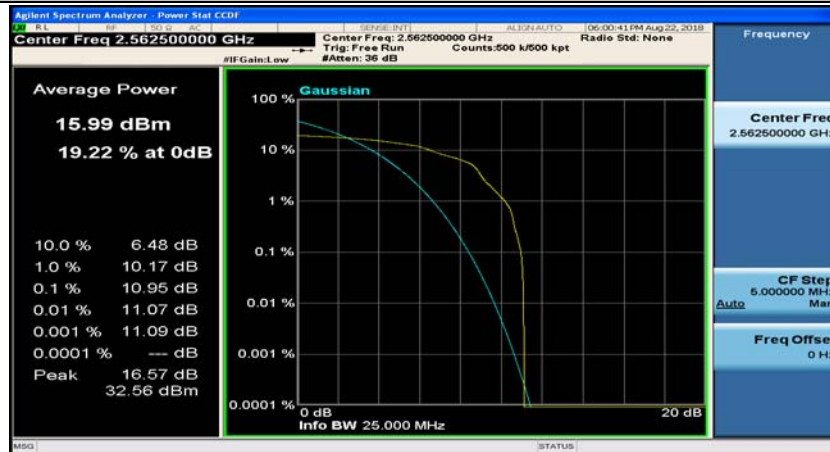
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



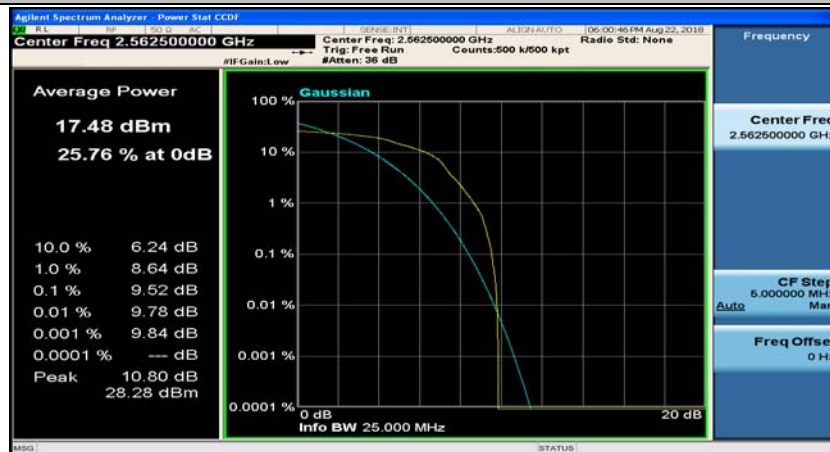
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



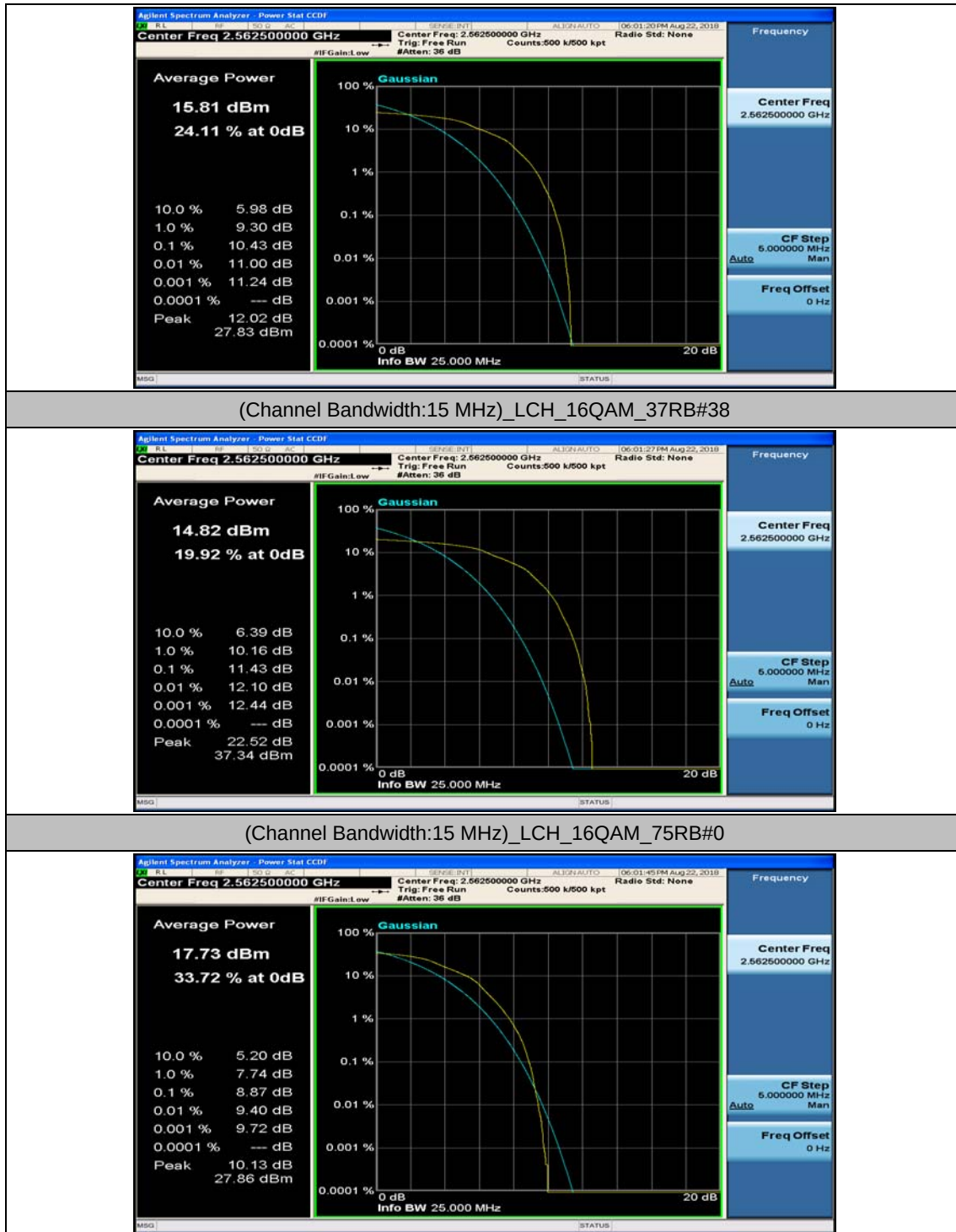
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



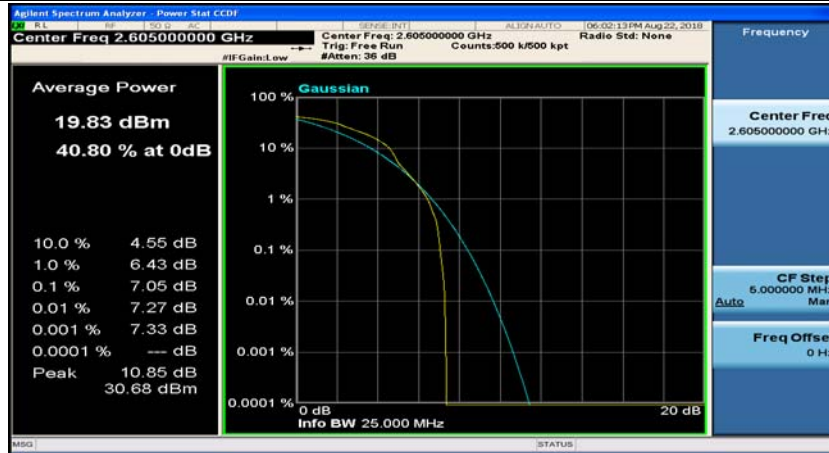
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



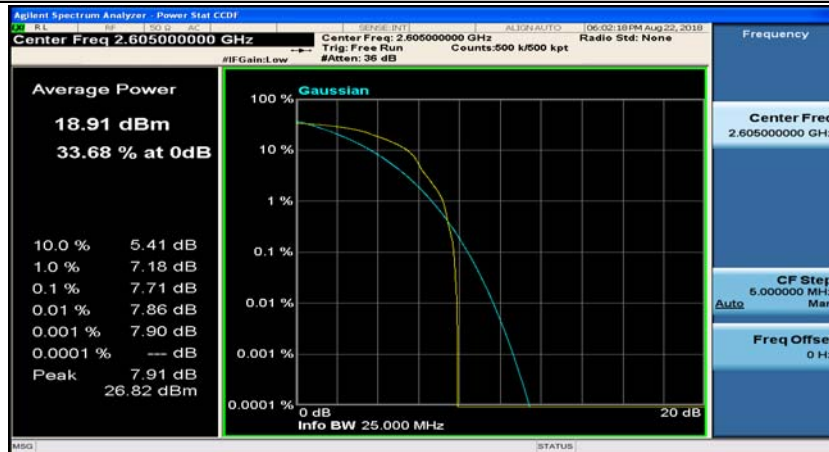
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



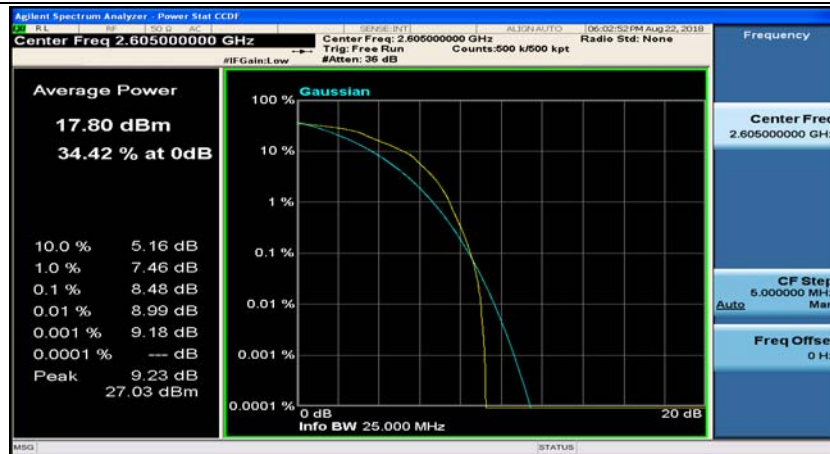
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18



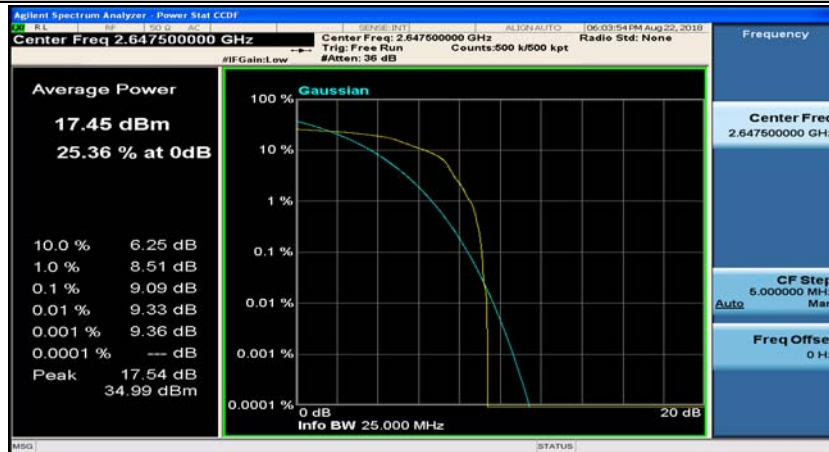
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



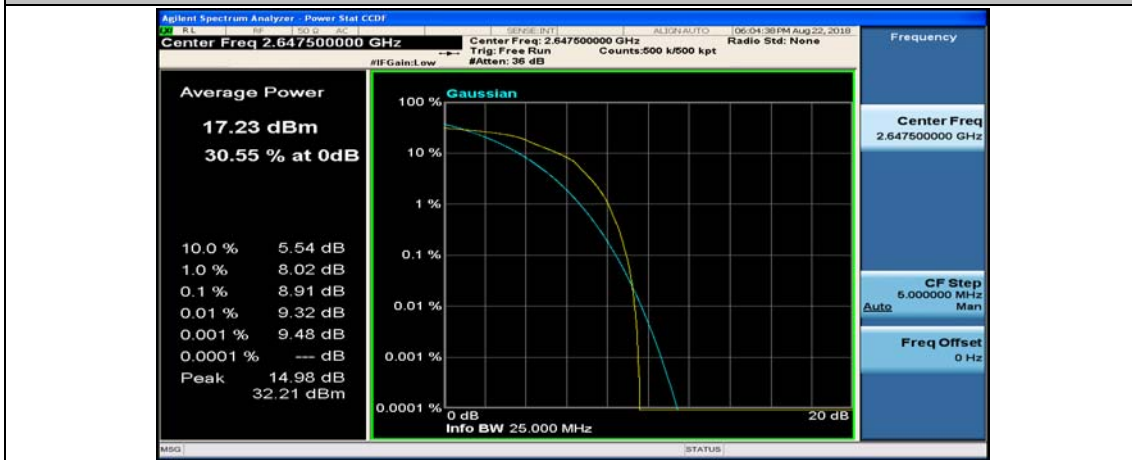
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38



(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

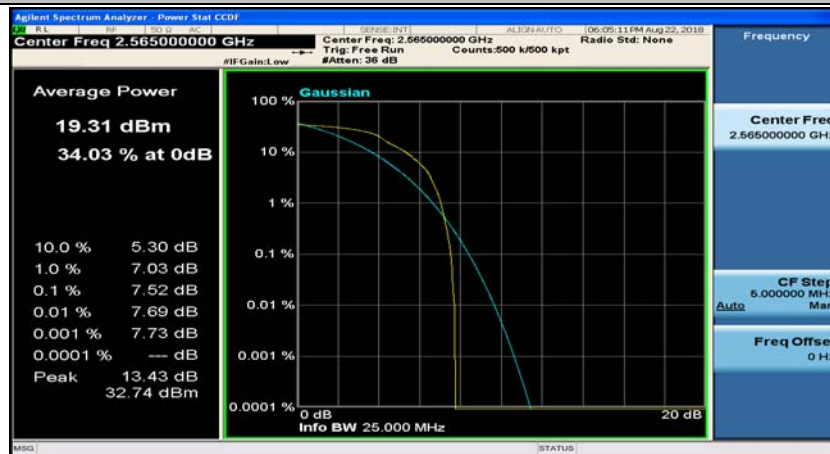


Channel Bandwidth: 20 MHz

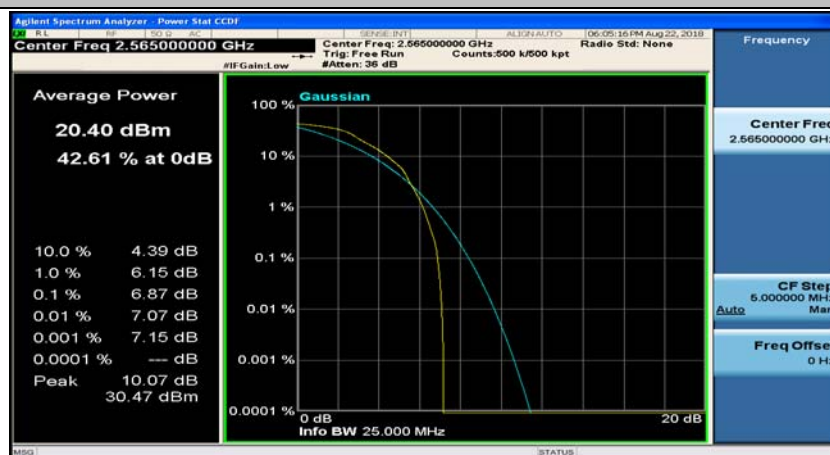
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



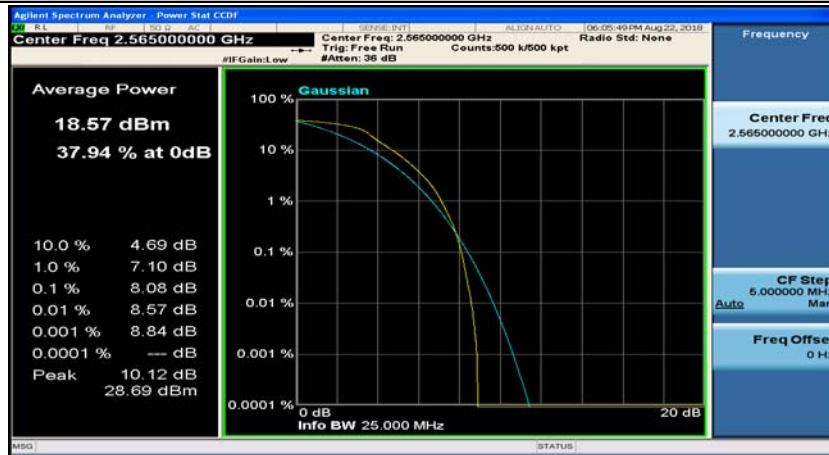
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



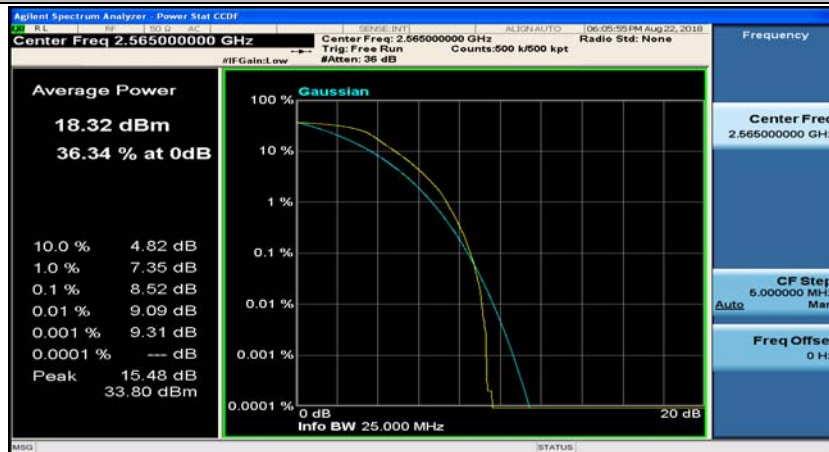
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0



(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25



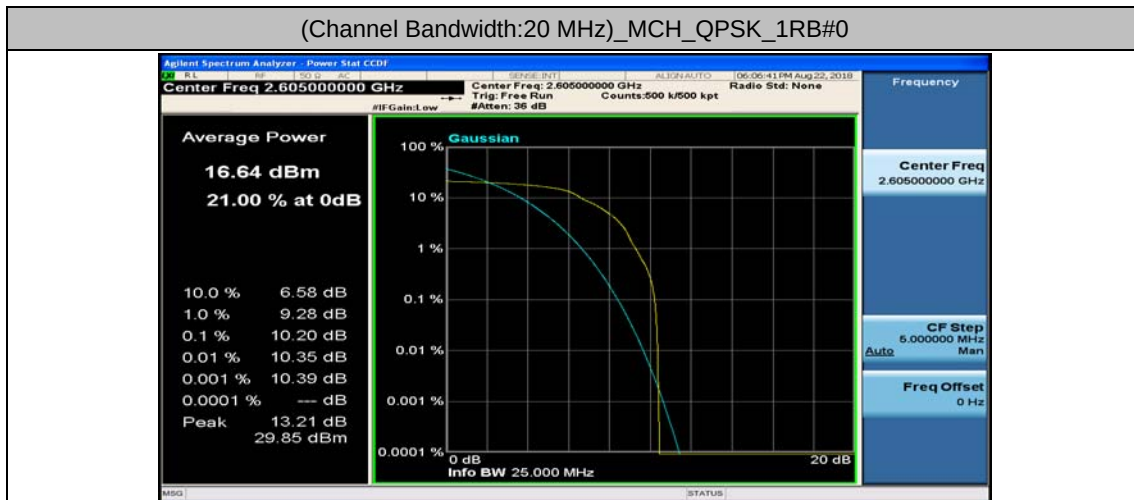
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



(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