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	22.5	PASS
		1	12	22.48	PASS
		1	24	22.54	PASS
		12	0	21.35	PASS
		12	6	21.34	PASS
		12	13	21.33	PASS
		25	0	21.65	PASS
	MCH	1	0	21.97	PASS
		1	12	22.02	PASS
		1	24	22.01	PASS
		12	0	21.7	PASS
		12	6	21.74	PASS
		12	13	21.65	PASS
		25	0	21.66	PASS
	HCH	1	0	22.17	PASS
		1	12	22.2	PASS
		1	24	22.14	PASS
		12	0	21.43	PASS
		12	6	21.53	PASS
		12	13	21.52	PASS
		25	0	21.35	PASS
16QAM	LCH	1	0	21.03	PASS
		1	12	21.11	PASS
		1	24	21.08	PASS
		12	0	20.55	PASS
		12	6	20.55	PASS
		12	13	20.54	PASS
		25	0	20.63	PASS
	MCH	1	0	21.37	PASS
		1	12	21.41	PASS
		1	24	21.33	PASS
		12	0	20.34	PASS

		12	6	20.39	PASS
		12	13	20.33	PASS
		25	0	20.6	PASS
	HCH	1	0	21.74	PASS
		1	12	21.73	PASS
		1	24	21.65	PASS
		12	0	20.75	PASS
		12	6	20.82	PASS
		12	13	20.72	PASS
		25	0	20.79	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.48	PASS
		1	24	22.44	PASS
		1	49	22.36	PASS
		25	0	21.65	PASS
		25	12	21.45	PASS
		25	25	21.02	PASS
		50	0	21.43	PASS
	MCH	1	0	22.47	PASS
		1	24	22.43	PASS
		1	49	22.39	PASS
		25	0	21.85	PASS
		25	12	21.76	PASS
		25	25	21.87	PASS
		50	0	21.8	PASS
	HCH	1	0	21.93	PASS
		1	24	21.96	PASS
		1	49	21.82	PASS
		25	0	21.49	PASS
		25	12	21.54	PASS
		25	25	21.49	PASS
		50	0	21.5	PASS
16QAM	LCH	1	0	21.32	PASS
		1	24	21.15	PASS
		1	49	21.35	PASS
		25	0	20.7	PASS
		25	12	20.58	PASS
		25	25	20.7	PASS
		50	0	20.79	PASS

	MCH	1	0	21.11	PASS
		1	24	21.07	PASS
		1	49	21.35	PASS
		25	0	20.39	PASS
		25	12	20.5	PASS
		25	25	20.47	PASS
		50	0	20.54	PASS
	HCH	1	0	21.28	PASS
		1	24	21.17	PASS
		1	49	21	PASS
		25	0	20.85	PASS
		25	12	20.74	PASS
		25	25	20.75	PASS
		50	0	20.35	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.53	PASS
		1	37	22.43	PASS
		1	74	22.26	PASS
		37	0	21.49	PASS
		37	18	21.46	PASS
		37	38	21.34	PASS
		75	0	21.52	PASS
	MCH	1	0	22.31	PASS
		1	37	22.26	PASS
		1	74	22.13	PASS
		37	0	21.54	PASS
		37	18	21.75	PASS
		37	38	21.74	PASS
		75	0	21.77	PASS
	HCH	1	0	22.06	PASS
		1	37	21.99	PASS
		1	74	21.9	PASS
		37	0	21.45	PASS
		37	18	21.58	PASS
		37	38	21.54	PASS
		75	0	21.53	PASS
16QAM	LCH	1	0	21.65	PASS
		1	37	21.54	PASS
		1	74	21.36	PASS

		37	0	20.83	PASS
		37	18	20.84	PASS
		37	38	20.62	PASS
		75	0	20.77	PASS
	MCH	1	0	21.13	PASS
		1	37	21.32	PASS
		1	74	21.15	PASS
		37	0	20.36	PASS
		37	18	20.48	PASS
		37	38	20.45	PASS
		75	0	20.54	PASS
	HCH	1	0	21.25	PASS
		1	37	21.26	PASS
		1	74	21.02	PASS
		37	0	20.82	PASS
		37	18	20.89	PASS
		37	38	20.69	PASS
		75	0	20.73	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.80	PASS
		1	49	22.69	PASS
		1	99	22.68	PASS
		50	0	21.87	PASS
		50	25	21.89	PASS
		50	50	21.66	PASS
		100	0	21.75	PASS
	MCH	1	0	22.56	PASS
		1	49	22.51	PASS
		1	99	22.38	PASS
		50	0	21.88	PASS
		50	25	21.8	PASS
		50	50	21.81	PASS
		100	0	21.6	PASS
	HCH	1	0	22.01	PASS
		1	49	21.98	PASS
		1	99	21.9	PASS
		50	0	21.63	PASS
		50	25	21.56	PASS
		50	50	21.52	PASS

		100	0	21.48	PASS
16QAM	LCH	1	0	21.33	PASS
		1	49	21.21	PASS
		1	99	21.18	PASS
		50	0	20.74	PASS
		50	25	20.64	PASS
		50	50	20.55	PASS
		100	0	20.65	PASS
	MCH	1	0	21.34	PASS
		1	49	21.93	PASS
		1	99	21.94	PASS
		50	0	20.57	PASS
		50	25	20.48	PASS
		50	50	20.44	PASS
		100	0	20.55	PASS
	HCH	1	0	21.24	PASS
		1	49	21.19	PASS
		1	99	21.08	PASS
		50	0	20.79	PASS
		50	25	20.69	PASS
		50	50	20.65	PASS
		100	0	20.64	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	3.64	<13	PASS
		1	12	3.63	<13	PASS
		1	24	3.51	<13	PASS
		12	0	3.92	<13	PASS
		12	6	3.97	<13	PASS
		12	13	3.98	<13	PASS
		25	0	4.07	<13	PASS
	MCH	1	0	3.6	<13	PASS
		1	12	3.47	<13	PASS
		1	24	3.52	<13	PASS
		12	0	4.27	<13	PASS
		12	6	4.28	<13	PASS
		12	13	4.22	<13	PASS
		25	0	4.36	<13	PASS
	HCH	1	0	3.33	<13	PASS
		1	12	2.99	<13	PASS
		1	24	2.61	<13	PASS
		12	0	3.7	<13	PASS
		12	6	3.51	<13	PASS
		12	13	3.35	<13	PASS
		25	0	3.6	<13	PASS
16QAM	LCH	1	0	3.44	<13	PASS
		1	12	3.44	<13	PASS
		1	24	3.32	<13	PASS
		12	0	5.29	<13	PASS
		12	6	5.3	<13	PASS
		12	13	5.24	<13	PASS
		25	0	5.25	<13	PASS
	MCH	1	0	4.01	<13	PASS
		1	12	3.92	<13	PASS
		1	24	4.03	<13	PASS
		12	0	5.71	<13	PASS

		12	6	5.6	<13	PASS
		12	13	5.66	<13	PASS
		25	0	5.56	<13	PASS
	HCH	1	0	3.78	<13	PASS
		1	12	3.57	<13	PASS
		1	24	3.26	<13	PASS
		12	0	5.16	<13	PASS
		12	6	5.03	<13	PASS
		12	13	5.1	<13	PASS
		25	0	4.81	<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	3.38	<13	PASS
		1	24	3.45	<13	PASS
		1	49	3.29	<13	PASS
		25	0	3.94	<13	PASS
		25	12	4.02	<13	PASS
		25	25	3.91	<13	PASS
		50	0	4.06	<13	PASS
	MCH	1	0	3.43	<13	PASS
		1	24	3.43	<13	PASS
		1	49	3.31	<13	PASS
		25	0	4.35	<13	PASS
		25	12	4.32	<13	PASS
		25	25	4.15	<13	PASS
		50	0	4.34	<13	PASS
	HCH	1	0	3.71	<13	PASS
		1	24	3.44	<13	PASS
		1	49	2.77	<13	PASS
		25	0	4.05	<13	PASS
		25	12	3.87	<13	PASS
		25	25	3.55	<13	PASS
		50	0	3.96	<13	PASS
16QAM	LCH	1	0	2.93	<13	PASS
		1	24	2.88	<13	PASS
		1	49	2.7	<13	PASS
		25	0	5.46	<13	PASS
		25	12	5.52	<13	PASS

		25	25	5.21	<13	PASS
		50	0	5.35	<13	PASS
	MCH	1	0	3.24	<13	PASS
		1	24	3.25	<13	PASS
		1	49	3.12	<13	PASS
		25	0	5.67	<13	PASS
		25	12	5.51	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.54	<13	PASS
	HCH	1	0	3.44	<13	PASS
		1	24	3.16	<13	PASS
		1	49	2.55	<13	PASS
		25	0	5.38	<13	PASS
		25	12	5.26	<13	PASS
		25	25	4.93	<13	PASS
		50	0	5.19	<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	3.4	<13	PASS
		1	37	3.29	<13	PASS
		1	74	3.05	<13	PASS
		37	0	3.99	<13	PASS
		37	18	3.78	<13	PASS
		37	38	3.77	<13	PASS
		75	0	4.36	<13	PASS
	MCH	1	0	3.64	<13	PASS
		1	37	3.67	<13	PASS
		1	74	3.37	<13	PASS
		37	0	4.29	<13	PASS
		37	18	4.2	<13	PASS
		37	38	4.15	<13	PASS
		75	0	4.72	<13	PASS
	HCH	1	0	3.37	<13	PASS
		1	37	3.5	<13	PASS
		1	74	2.74	<13	PASS
		37	0	4.22	<13	PASS
		37	18	3.98	<13	PASS
		37	38	3.73	<13	PASS

		75	0	4.44	<13	PASS
16QAM	LCH	1	0	2.81	<13	PASS
		1	37	2.71	<13	PASS
		1	74	2.51	<13	PASS
		37	0	5.26	<13	PASS
		37	18	5.16	<13	PASS
		37	38	5.08	<13	PASS
		75	0	5.4	<13	PASS
	MCH	1	0	3.05	<13	PASS
		1	37	3.16	<13	PASS
		1	74	2.79	<13	PASS
		37	0	5.63	<13	PASS
		37	18	5.6	<13	PASS
		37	38	5.46	<13	PASS
		75	0	5.67	<13	PASS
	HCH	1	0	3.23	<13	PASS
		1	37	3.37	<13	PASS
		1	74	2.61	<13	PASS
		37	0	5.48	<13	PASS
		37	18	5.37	<13	PASS
		37	38	5.05	<13	PASS
		75	0	5.55	<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	5.76	<13	PASS
		1	49	3.17	<13	PASS
		1	99	3.04	<13	PASS
		50	0	4.11	<13	PASS
		50	25	3.86	<13	PASS
		50	50	4.03	<13	PASS
		100	0	4.59	<13	PASS
	MCH	1	0	3.49	<13	PASS
		1	49	3.67	<13	PASS
		1	99	3.15	<13	PASS
		50	0	4.45	<13	PASS
		50	25	4.36	<13	PASS
		50	50	4.32	<13	PASS
		100	0	4.75	<13	PASS

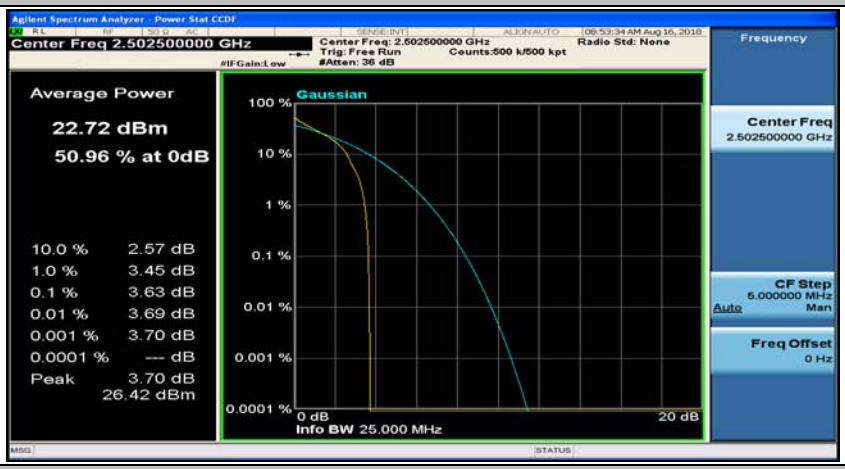
	HCH	1	0	2.89	<13	PASS
		1	49	3.38	<13	PASS
		1	99	2.38	<13	PASS
		50	0	4.17	<13	PASS
		50	25	4.23	<13	PASS
		50	50	4.03	<13	PASS
		100	0	4.6	<13	PASS
16QAM	LCH	1	0	4.07	<13	PASS
		1	49	3.93	<13	PASS
		1	99	3.88	<13	PASS
		50	0	5.4	<13	PASS
		50	25	5.17	<13	PASS
		50	50	5.25	<13	PASS
		100	0	5.6	<13	PASS
	MCH	1	0	3.51	<13	PASS
		1	49	3.66	<13	PASS
		1	99	3.26	<13	PASS
		50	0	5.71	<13	PASS
		50	25	5.66	<13	PASS
		50	50	5.5	<13	PASS
		100	0	5.81	<13	PASS
	HCH	1	0	3.34	<13	PASS
		1	49	3.69	<13	PASS
		1	99	2.89	<13	PASS
		50	0	5.32	<13	PASS
		50	25	5.45	<13	PASS
		50	50	5.33	<13	PASS
		100	0	5.69	<13	PASS

Test Graphs

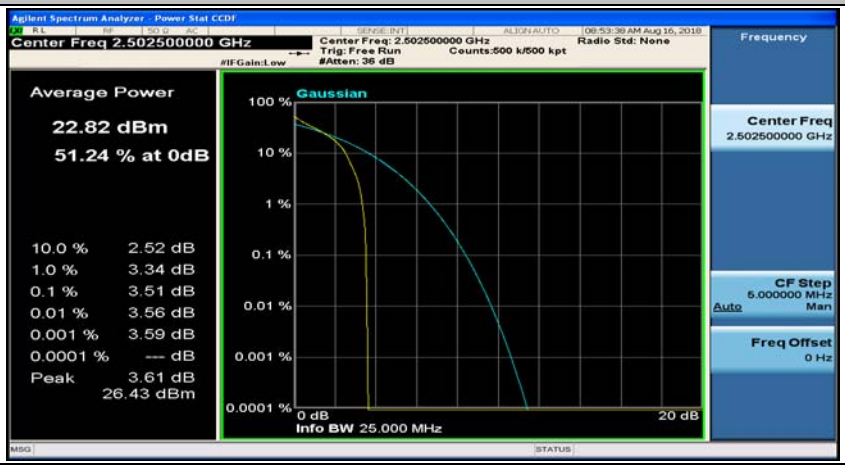
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

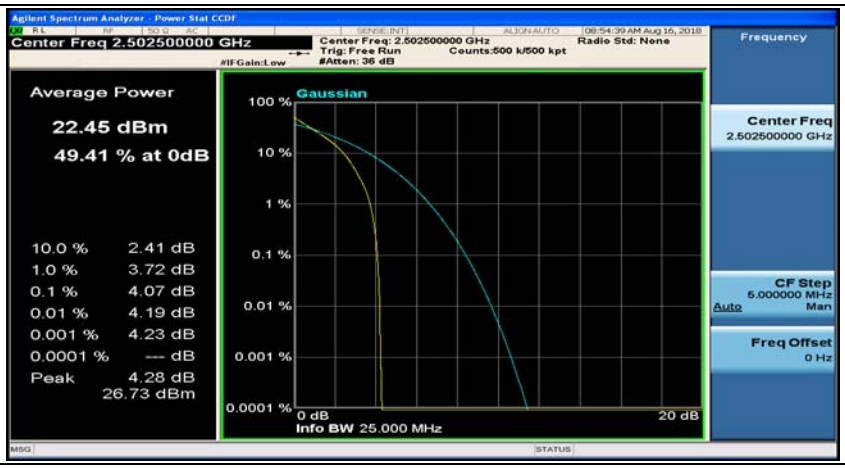


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

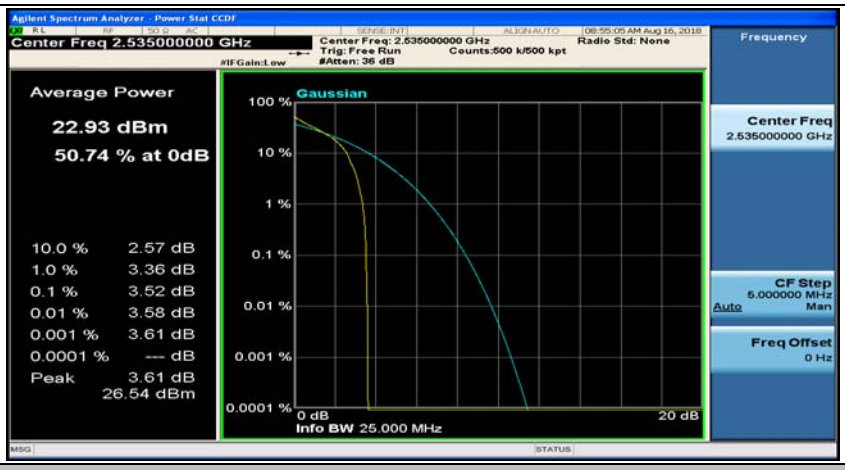
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

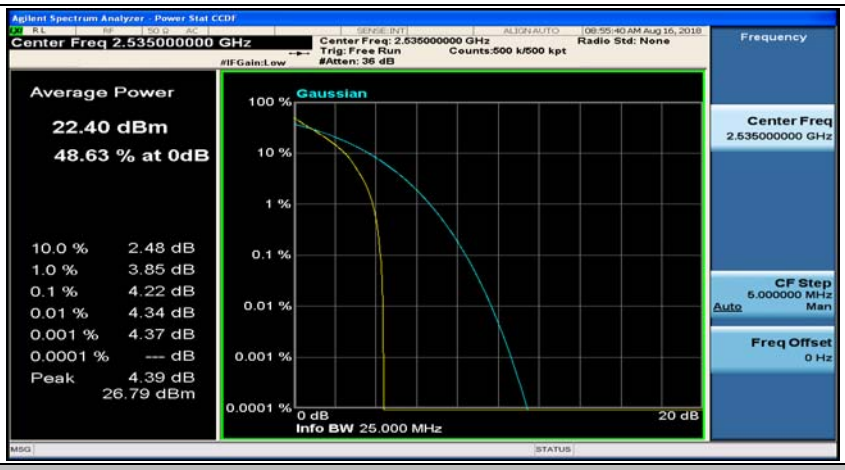
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

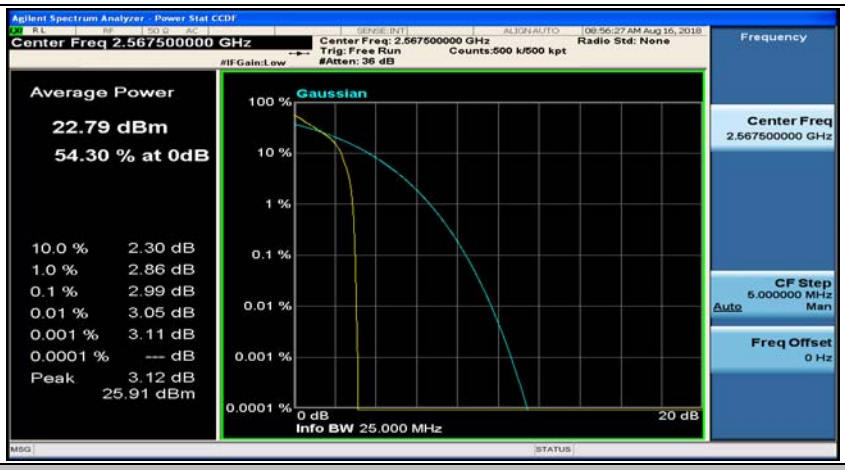
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

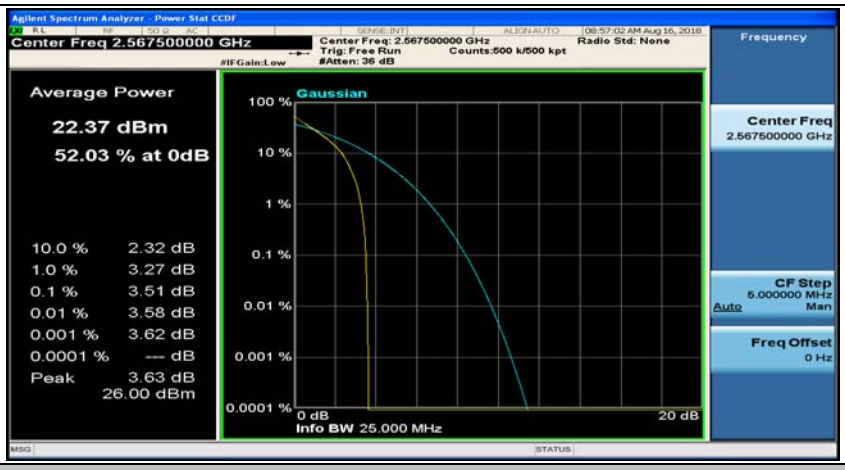
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

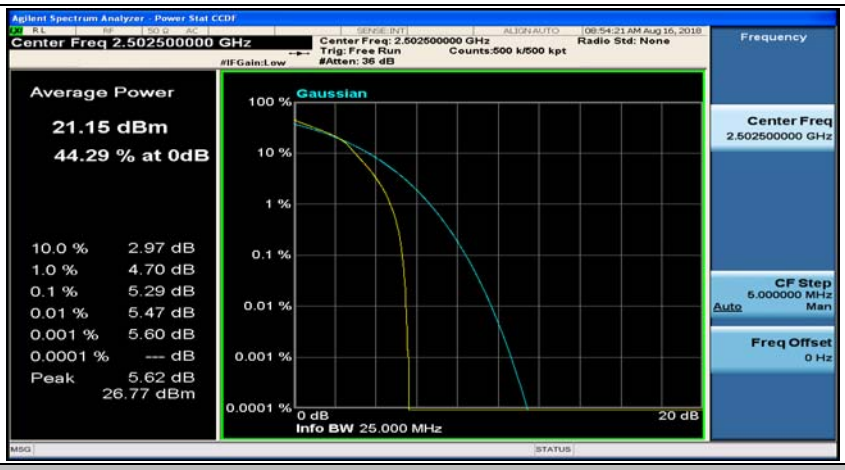
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(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

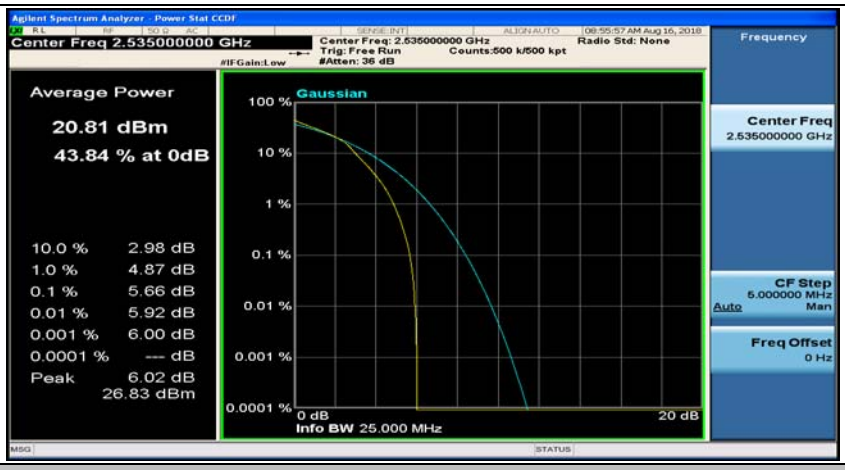
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

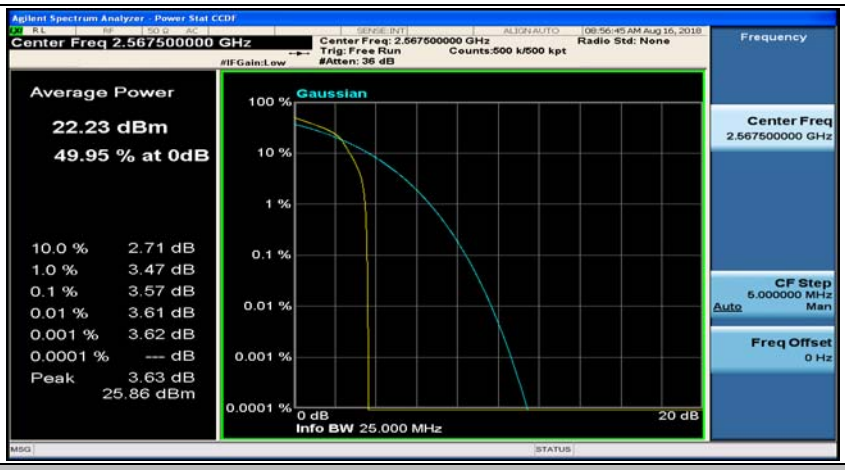
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

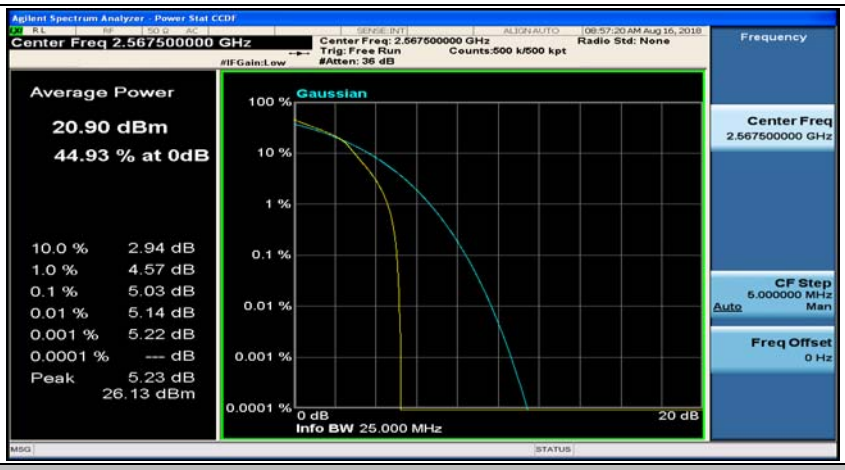
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(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_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

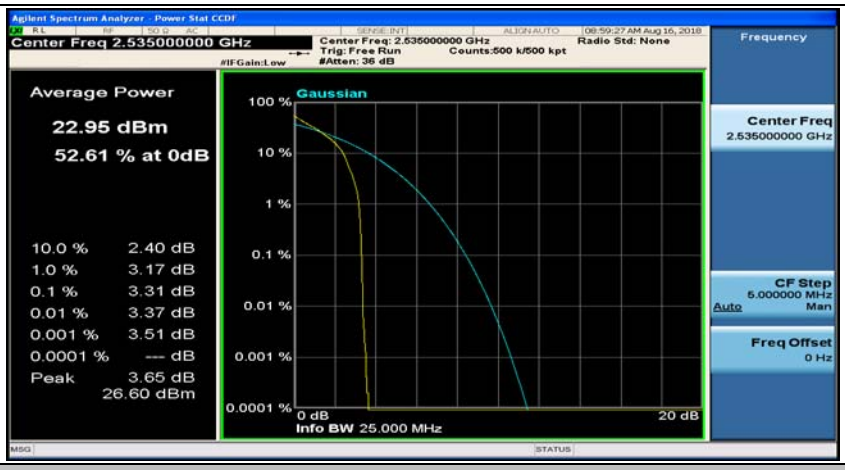
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

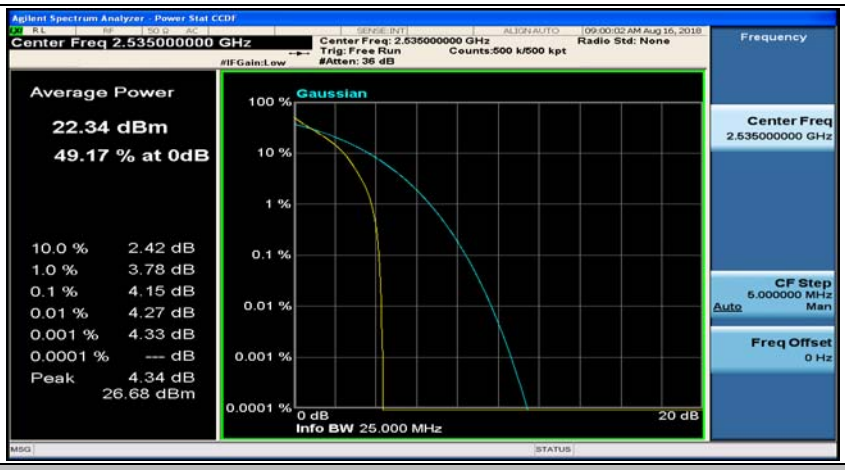
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

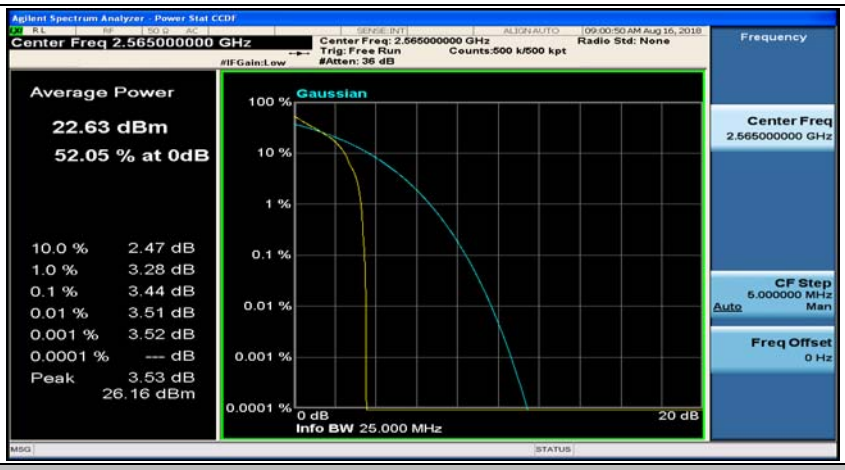
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

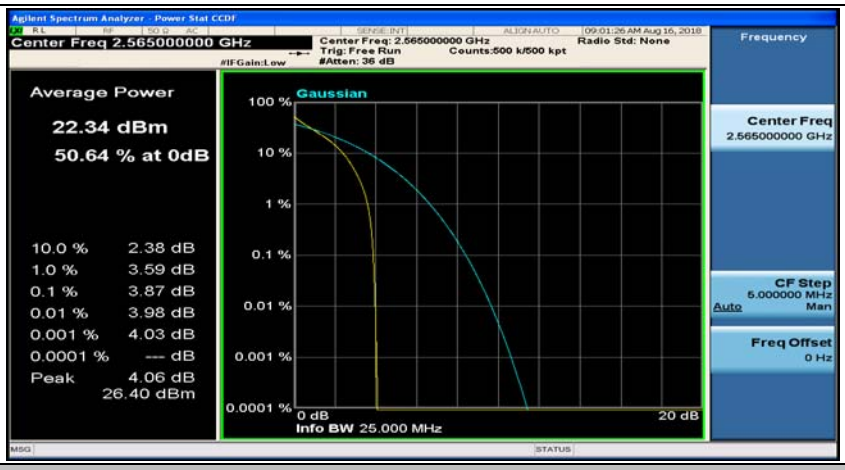
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

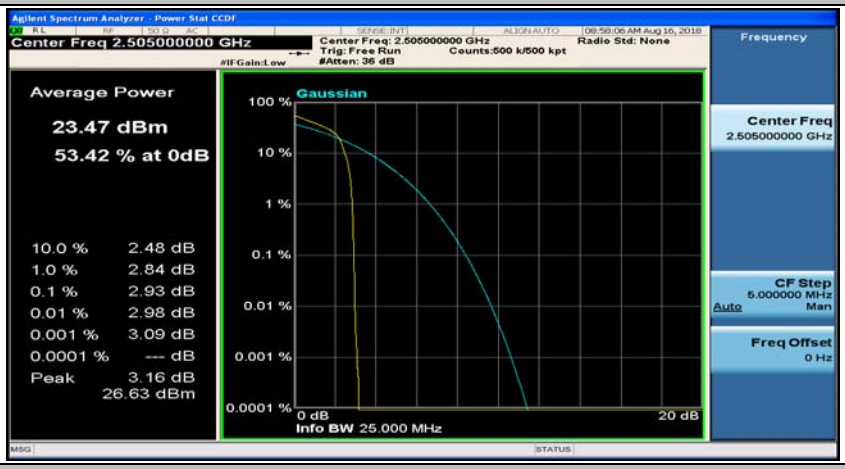
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

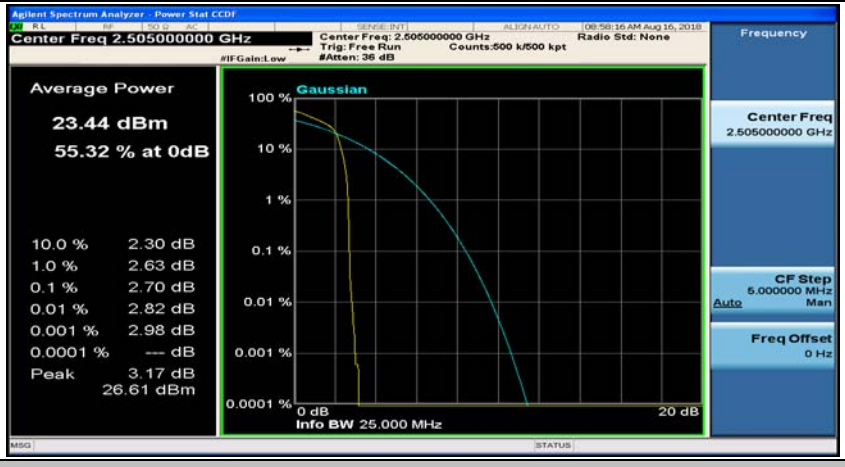
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

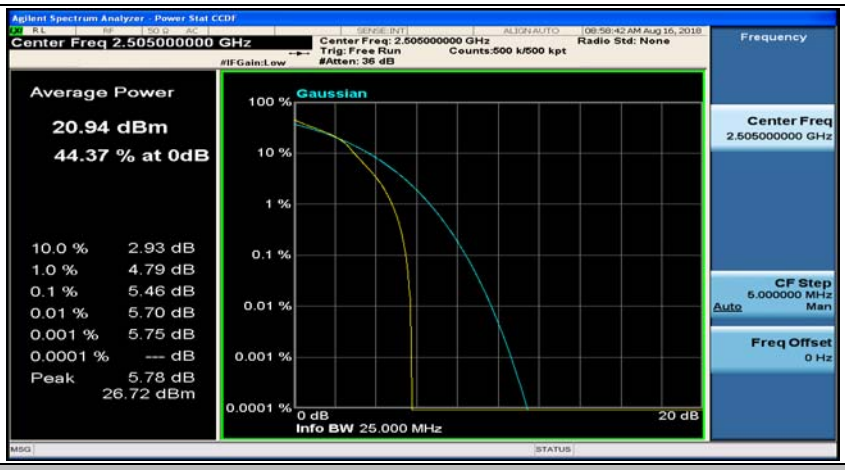


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

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



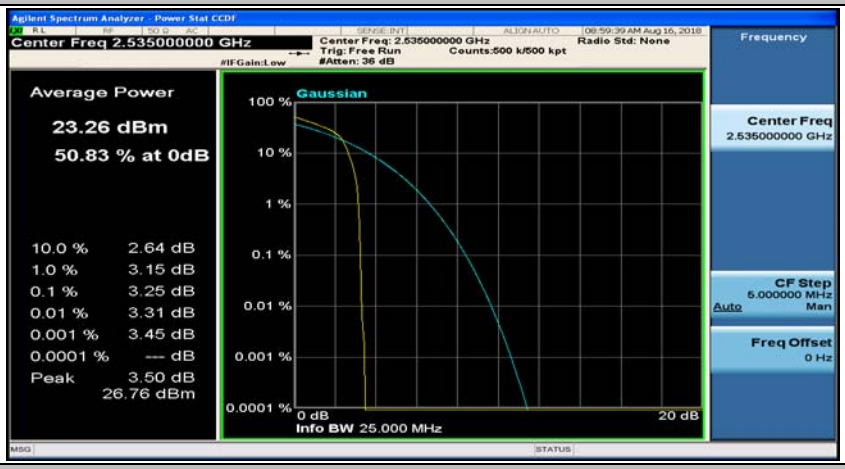
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

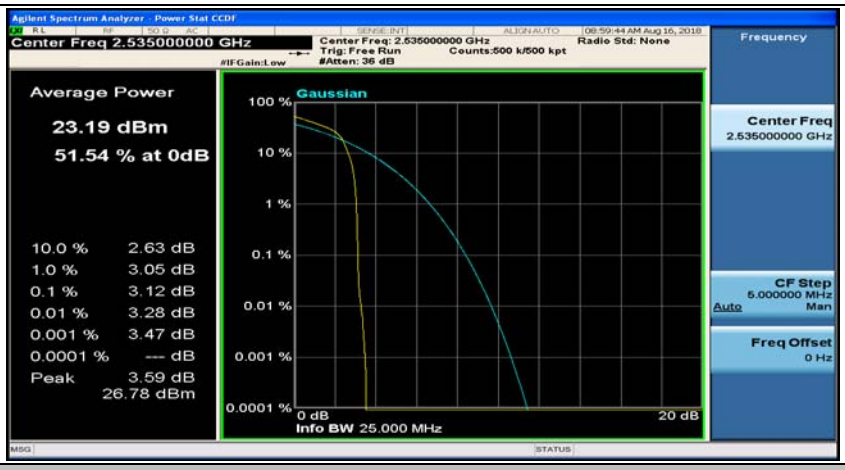
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



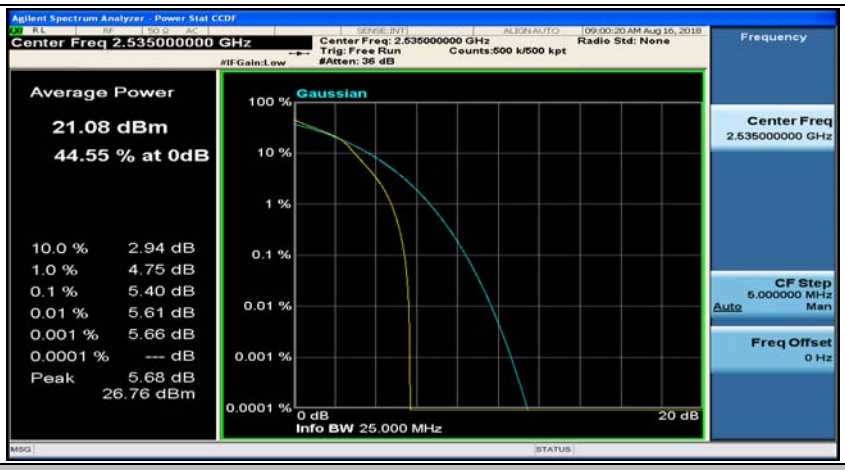
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

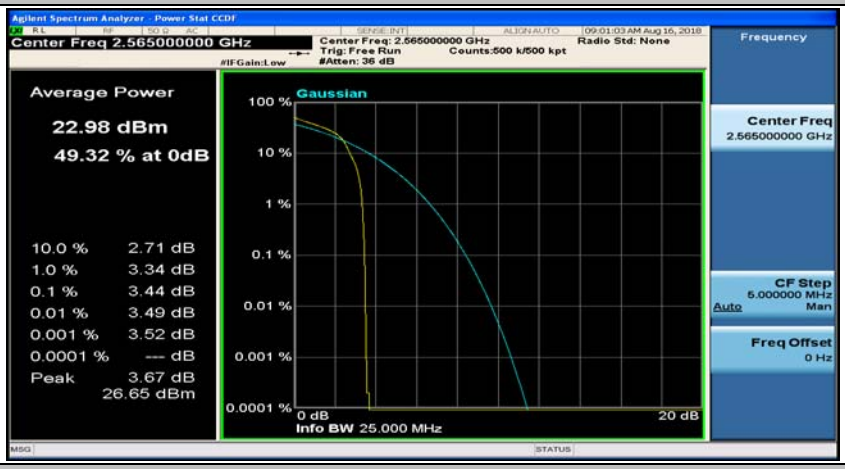
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

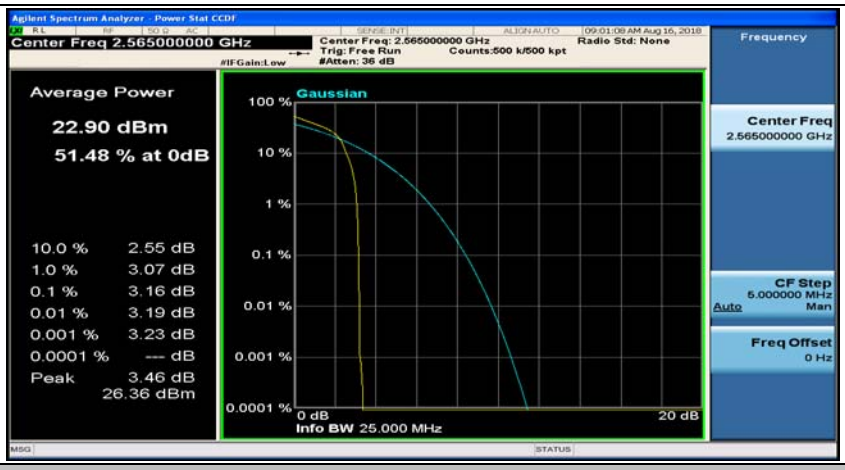


Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



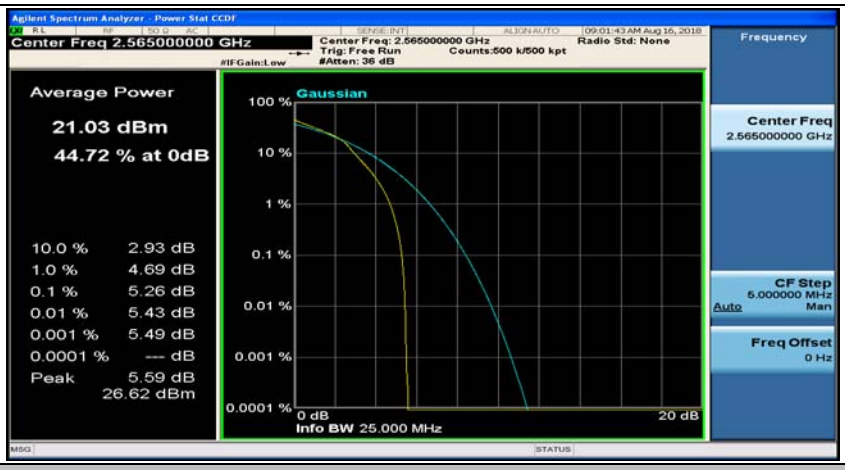
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

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

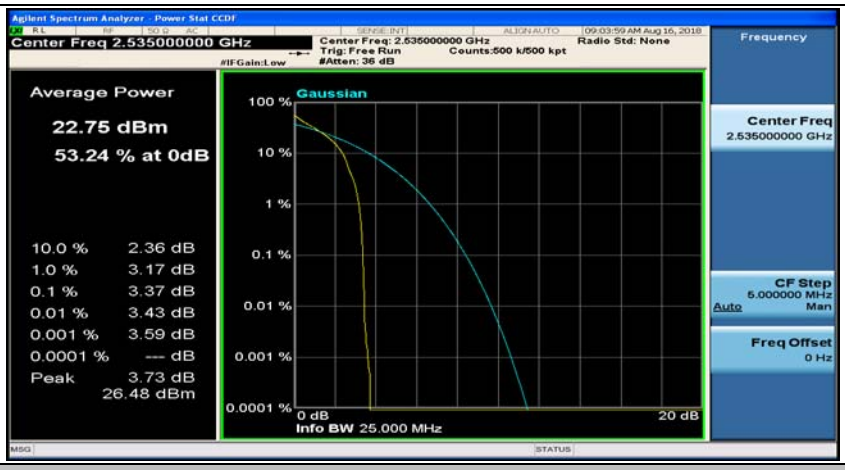
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

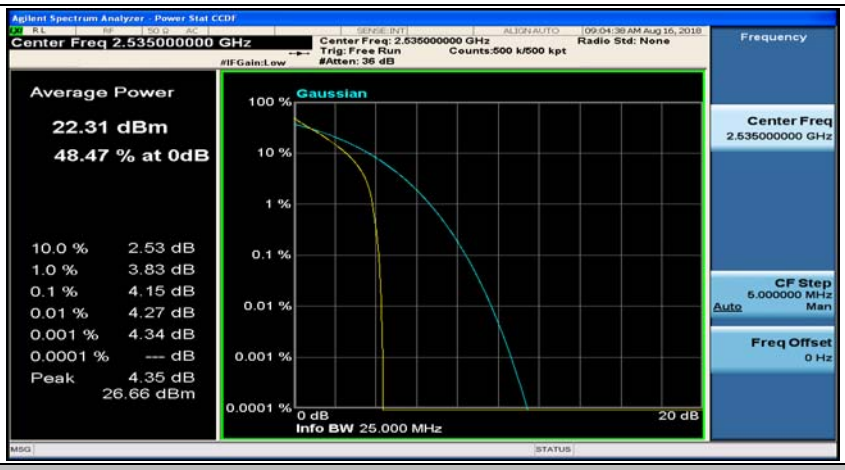
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

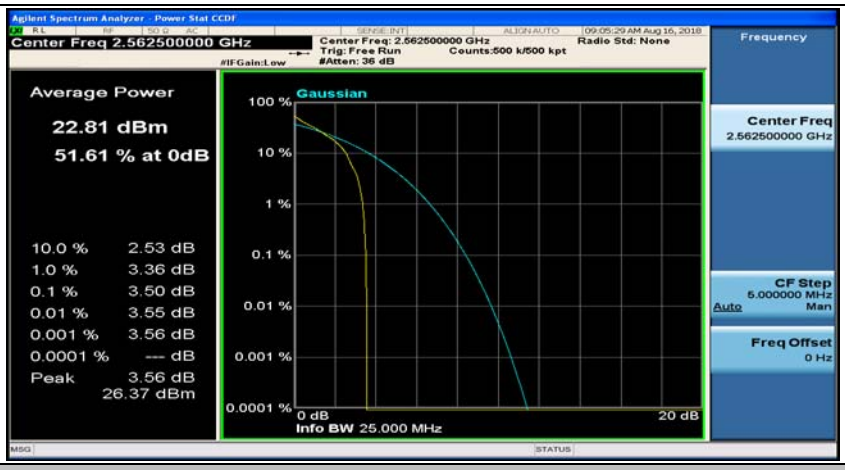
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

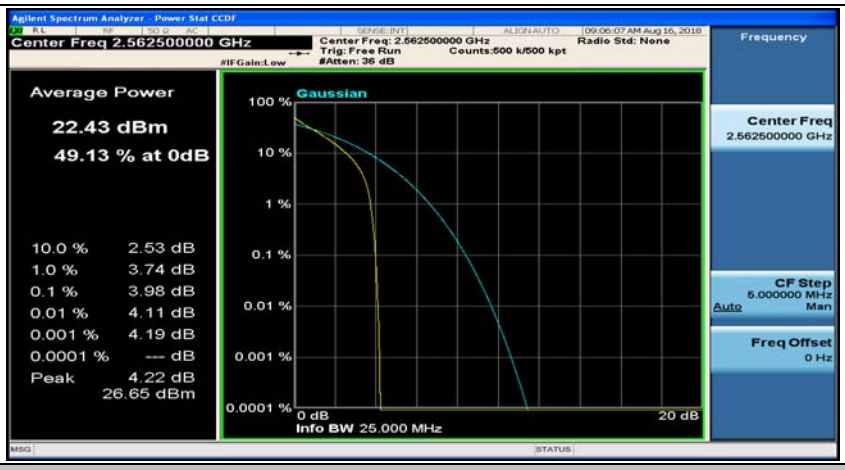
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

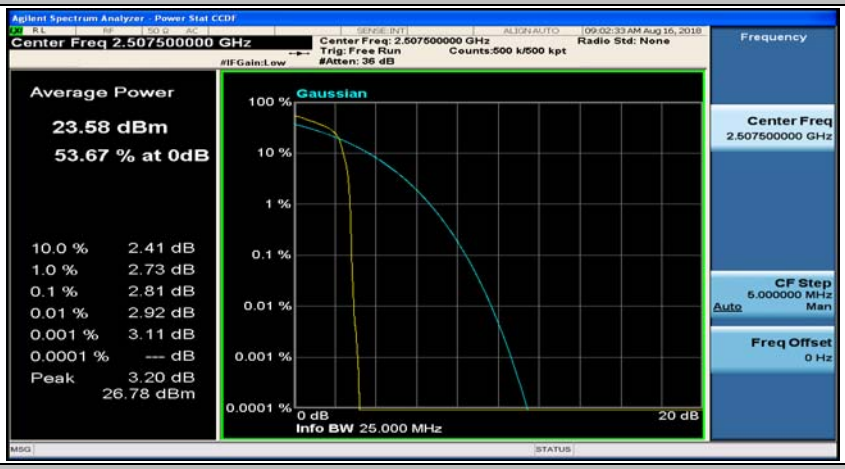
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

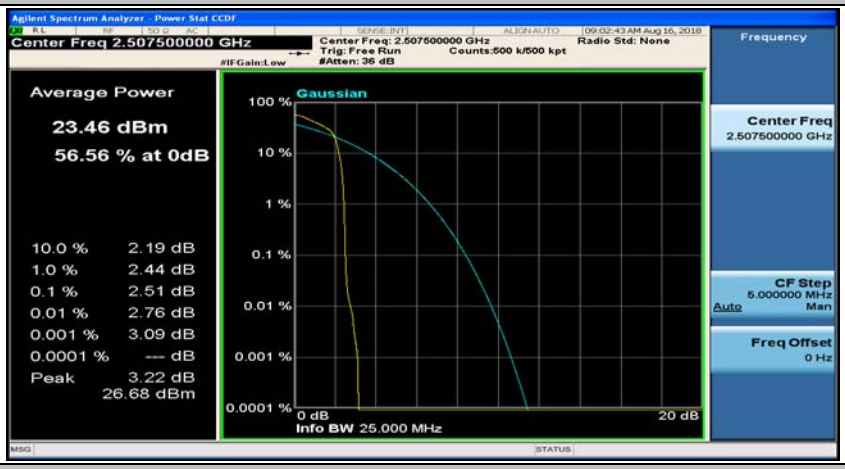
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

(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

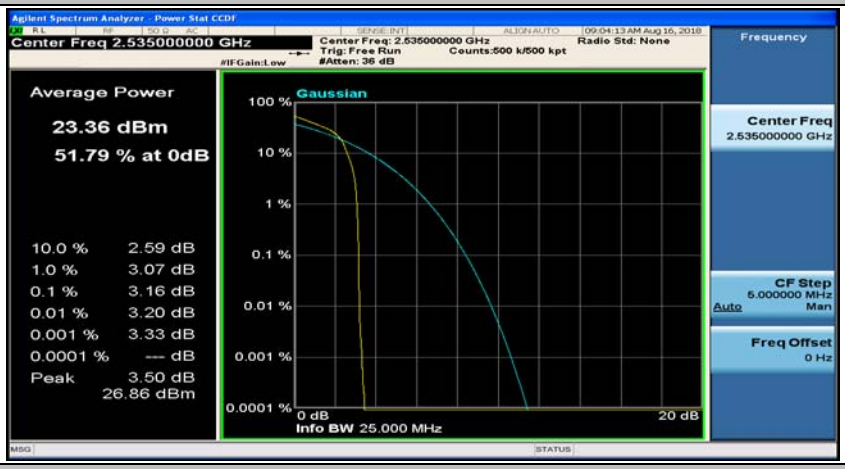
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

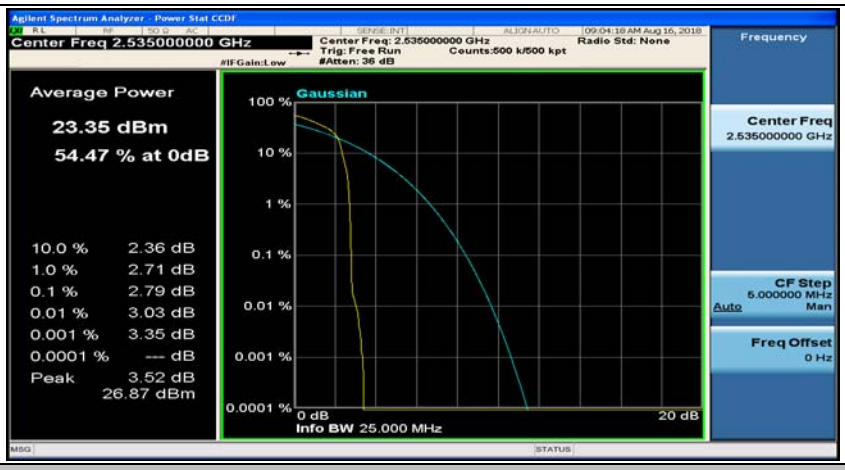
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



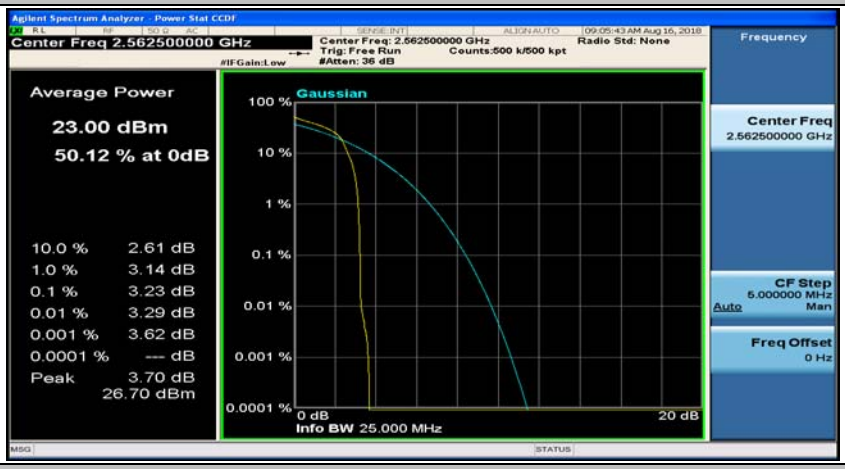
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#18

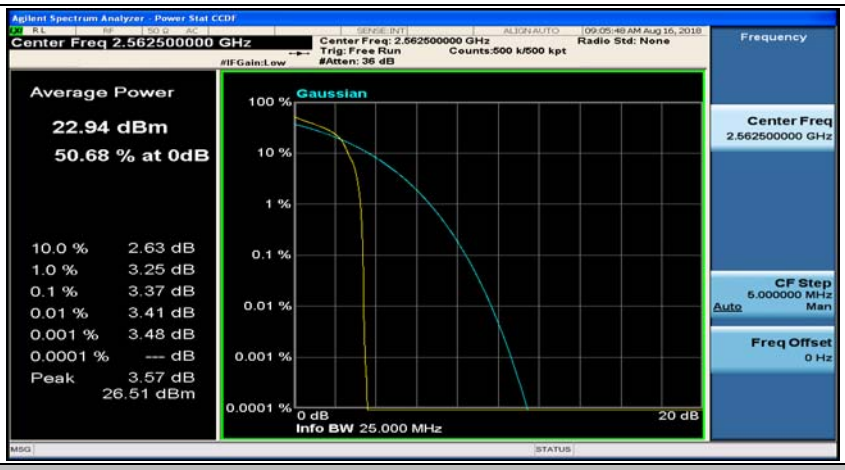
(Channel Bandwidth:15 MHz)_MCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



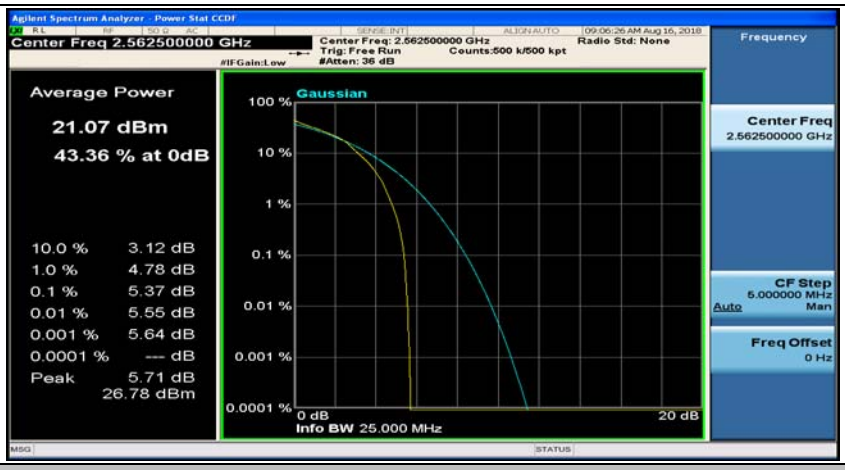
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



(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

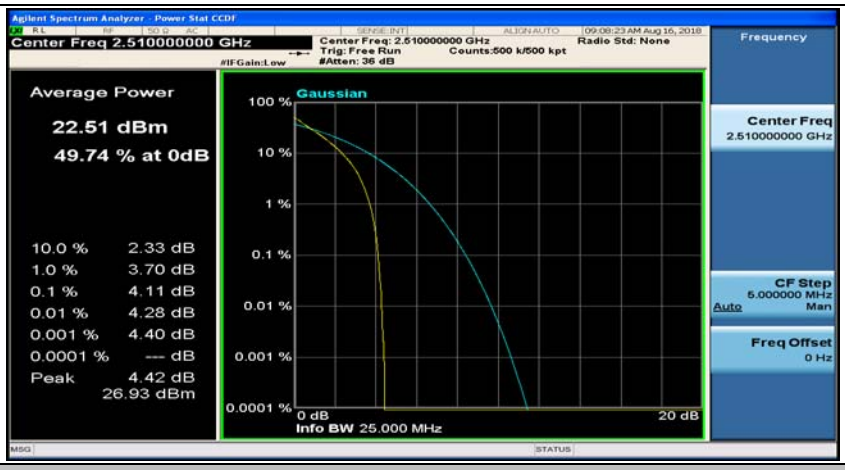
Channel Bandwidth: 20 MHz

(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



(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25

(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0