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	22.01	PASS
		1	12	22.34	PASS
		1	24	22.00	PASS
		12	0	21.03	PASS
		12	6	21.07	PASS
		12	13	21.00	PASS
		25	0	21.01	PASS
	MCH	1	0	22.20	PASS
		1	12	22.57	PASS
		1	24	22.28	PASS
		12	0	21.20	PASS
		12	6	21.31	PASS
		12	13	21.23	PASS
		25	0	21.25	PASS
	HCH	1	0	22.79	PASS
		1	12	23.16	PASS
		1	24	22.88	PASS
		12	0	21.91	PASS
		12	6	21.92	PASS
		12	13	21.83	PASS
		25	0	21.87	PASS
16QAM	LCH	1	0	21.24	PASS
		1	12	21.51	PASS
		1	24	21.24	PASS
		12	0	21.04	PASS
		12	6	21.12	PASS
		12	13	21.13	PASS
		25	0	21.04	PASS
	MCH	1	0	21.53	PASS
		1	12	21.67	PASS
		1	24	21.50	PASS
		12	0	20.36	PASS

		12	6	20.41	PASS
		12	13	20.35	PASS
		25	0	20.81	PASS
	HCH	1	0	21.94	PASS
		1	12	22.32	PASS
		1	24	22.00	PASS
		12	0	20.90	PASS
		12	6	20.89	PASS
		12	13	20.78	PASS
		25	0	20.88	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.02	PASS
		1	24	22.17	PASS
		1	49	22.01	PASS
		25	0	21.05	PASS
		25	12	21.08	PASS
		25	25	21.11	PASS
		50	0	21.07	PASS
	MCH	1	0	22.22	PASS
		1	24	22.44	PASS
		1	49	22.39	PASS
		25	0	21.41	PASS
		25	12	21.34	PASS
		25	25	21.40	PASS
		50	0	21.37	PASS
	HCH	1	0	22.73	PASS
		1	24	22.96	PASS
		1	49	22.91	PASS
		25	0	21.96	PASS
		25	12	21.82	PASS
		25	25	21.76	PASS
		50	0	21.85	PASS
16QAM	LCH	1	0	21.32	PASS
		1	24	21.37	PASS
		1	49	21.27	PASS
		25	0	21.10	PASS
		25	12	21.08	PASS
		25	25	21.12	PASS
		50	0	21.11	PASS

	MCH	1	0	21.64	PASS
		1	24	21.88	PASS
		1	49	21.76	PASS
		25	0	20.41	PASS
		25	12	20.78	PASS
		25	25	20.48	PASS
		50	0	20.42	PASS
	HCH	1	0	21.96	PASS
		1	24	22.18	PASS
		1	49	22.08	PASS
		25	0	20.94	PASS
		25	12	20.82	PASS
		25	25	20.77	PASS
		50	0	20.85	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.96	PASS
		1	37	22.28	PASS
		1	74	21.91	PASS
		37	0	21.07	PASS
		37	18	21.12	PASS
		37	38	21.06	PASS
		75	0	21.04	PASS
	MCH	1	0	22.12	PASS
		1	37	22.45	PASS
		1	74	22.30	PASS
		37	0	21.32	PASS
		37	18	21.40	PASS
		37	38	21.39	PASS
		75	0	21.37	PASS
	HCH	1	0	22.61	PASS
		1	37	23.00	PASS
		1	74	22.80	PASS
		37	0	21.82	PASS
		37	18	21.83	PASS
		37	38	21.76	PASS
		75	0	21.80	PASS
16QAM	LCH	1	0	21.25	PASS
		1	37	21.47	PASS
		1	74	21.18	PASS

		37	0	21.02	PASS
		37	18	21.06	PASS
		37	38	21.05	PASS
		75	0	21.05	PASS
	MCH	1	0	21.47	PASS
		1	37	21.80	PASS
		1	74	21.58	PASS
		37	0	20.72	PASS
		37	18	20.40	PASS
		37	38	20.69	PASS
		75	0	20.49	PASS
	HCH	1	0	21.86	PASS
		1	37	22.21	PASS
		1	74	22.00	PASS
		37	0	20.69	PASS
		37	18	20.80	PASS
		37	38	20.70	PASS
		75	0	20.76	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.99	PASS
		1	49	23.17	PASS
		1	99	22.99	PASS
		50	0	21.01	PASS
		50	25	21.06	PASS
		50	50	21.03	PASS
		100	0	20.98	PASS
	MCH	1	0	22.10	PASS
		1	49	23.25	PASS
		1	99	22.40	PASS
		50	0	21.31	PASS
		50	25	21.36	PASS
		50	50	21.35	PASS
		100	0	21.32	PASS
	HCH	1	0	22.38	PASS
		1	49	23.28	PASS
		1	99	22.66	PASS
		50	0	21.97	PASS
		50	25	21.99	PASS
		50	50	21.89	PASS

		100	0	21.58	PASS
16QAM	LCH	1	0	21.16	PASS
		1	49	21.43	PASS
		1	99	21.16	PASS
		50	0	20.99	PASS
		50	25	21.02	PASS
		50	50	21.04	PASS
		100	0	20.98	PASS
	MCH	1	0	21.46	PASS
		1	49	21.90	PASS
		1	99	21.73	PASS
		50	0	20.78	PASS
		50	25	20.46	PASS
		50	50	20.98	PASS
		100	0	20.35	PASS
	HCH	1	0	21.70	PASS
		1	49	22.09	PASS
		1	99	21.93	PASS
		50	0	20.70	PASS
		50	25	20.79	PASS
		50	50	20.56	PASS
		100	0	20.60	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	4.99	<13	PASS
		1	12	4.94	<13	PASS
		1	24	5.02	<13	PASS
		12	0	5.22	<13	PASS
		12	6	5.28	<13	PASS
		12	13	5.3	<13	PASS
		25	0	5.36	<13	PASS
	MCH	1	0	5.08	<13	PASS
		1	12	5.01	<13	PASS
		1	24	4.94	<13	PASS
		12	0	5.33	<13	PASS
		12	6	5.32	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.39	<13	PASS
	HCH	1	0	5.05	<13	PASS
		1	12	4.72	<13	PASS
		1	24	4.56	<13	PASS
		12	0	5.07	<13	PASS
		12	6	5.02	<13	PASS
		12	13	5.07	<13	PASS
		25	0	5.05	<13	PASS
16QAM	LCH	1	0	6.26	<13	PASS
		1	12	5.89	<13	PASS
		1	24	5.77	<13	PASS
		12	0	6.08	<13	PASS
		12	6	6.1	<13	PASS
		12	13	6.14	<13	PASS
		25	0	6.15	<13	PASS
	MCH	1	0	5.74	<13	PASS
		1	12	6.13	<13	PASS
		1	24	5.96	<13	PASS
		12	0	6.15	<13	PASS
		12	6	6.13	<13	PASS

		12	13	6.14	<13	PASS
		25	0	6.14	<13	PASS
	HCH	1	0	5.76	<13	PASS
		1	12	5.44	<13	PASS
		1	24	5.39	<13	PASS
		12	0	6.05	<13	PASS
		12	6	5.96	<13	PASS
		12	13	5.93	<13	PASS
		25	0	5.77	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.91	<13	PASS
		1	24	5.1	<13	PASS
		1	49	5.01	<13	PASS
		25	0	5.29	<13	PASS
		25	12	5.4	<13	PASS
		25	25	5.39	<13	PASS
		50	0	5.4	<13	PASS
	MCH	1	0	4.86	<13	PASS
		1	24	4.79	<13	PASS
		1	49	4.86	<13	PASS
		25	0	5.4	<13	PASS
		25	12	5.38	<13	PASS
		25	25	5.34	<13	PASS
		50	0	5.43	<13	PASS
	HCH	1	0	4.87	<13	PASS
		1	24	4.7	<13	PASS
		1	49	4.39	<13	PASS
		25	0	5.07	<13	PASS
		25	12	5.07	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.17	<13	PASS
16QAM	LCH	1	0	6.05	<13	PASS
		1	24	6.1	<13	PASS
		1	49	6.05	<13	PASS
		25	0	6.17	<13	PASS
		25	12	6.24	<13	PASS
		25	25	6.16	<13	PASS

		50	0	6.19	<13	PASS
	MCH	1	0	5.86	<13	PASS
		1	24	5.72	<13	PASS
		1	49	5.85	<13	PASS
		25	0	6.2	<13	PASS
		25	12	6.2	<13	PASS
		25	25	6.24	<13	PASS
		50	0	6.19	<13	PASS
	HCH	1	0	5.94	<13	PASS
		1	24	5.78	<13	PASS
		1	49	5.47	<13	PASS
		25	0	6	<13	PASS
		25	12	6.02	<13	PASS
		25	25	5.99	<13	PASS
		50	0	5.9	<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	4.99	<13	PASS
		1	37	4.97	<13	PASS
		1	74	5.02	<13	PASS
		37	0	5.34	<13	PASS
		37	18	5.42	<13	PASS
		37	38	5.4	<13	PASS
		75	0	5.74	<13	PASS
	MCH	1	0	5.15	<13	PASS
		1	37	4.99	<13	PASS
		1	74	5.17	<13	PASS
		37	0	5.35	<13	PASS
		37	18	5.34	<13	PASS
		37	38	5.29	<13	PASS
		75	0	5.73	<13	PASS
	HCH	1	0	4.7	<13	PASS
		1	37	4.7	<13	PASS
		1	74	4.39	<13	PASS
		37	0	5.18	<13	PASS
		37	18	5.16	<13	PASS
		37	38	5.13	<13	PASS
		75	0	5.47	<13	PASS

16QAM	LCH	1	0	5.77	<13	PASS
		1	37	5.94	<13	PASS
		1	74	6.25	<13	PASS
		37	0	6.19	<13	PASS
		37	18	6.18	<13	PASS
		37	38	6.29	<13	PASS
		75	0	6.36	<13	PASS
	MCH	1	0	6.08	<13	PASS
		1	37	6.17	<13	PASS
		1	74	6.01	<13	PASS
		37	0	6.2	<13	PASS
		37	18	6.29	<13	PASS
		37	38	6.21	<13	PASS
		75	0	6.3	<13	PASS
	HCH	1	0	5.76	<13	PASS
		1	37	5.41	<13	PASS
		1	74	5.65	<13	PASS
		37	0	5.99	<13	PASS
		37	18	6.01	<13	PASS
		37	38	5.93	<13	PASS
		75	0	6.08	<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	4.82	<13	PASS
		1	49	4.91	<13	PASS
		1	99	5.16	<13	PASS
		50	0	5.4	<13	PASS
		50	25	5.41	<13	PASS
		50	50	5.44	<13	PASS
		100	0	5.54	<13	PASS
	MCH	1	0	5.25	<13	PASS
		1	49	5.17	<13	PASS
		1	99	5.12	<13	PASS
		50	0	5.43	<13	PASS
		50	25	5.4	<13	PASS
		50	50	5.37	<13	PASS
		100	0	5.52	<13	PASS
	HCH	1	0	4.92	<13	PASS

		1	49	4.69	<13	PASS
		1	99	4.46	<13	PASS
		50	0	5.26	<13	PASS
		50	25	5.19	<13	PASS
		50	50	5.2	<13	PASS
		100	0	5.27	<13	PASS
16QAM	LCH	1	0	5.94	<13	PASS
		1	49	6.03	<13	PASS
		1	99	5.95	<13	PASS
		50	0	6.25	<13	PASS
		50	25	6.25	<13	PASS
		50	50	6.21	<13	PASS
		100	0	6.28	<13	PASS
	MCH	1	0	6.02	<13	PASS
		1	49	5.9	<13	PASS
		1	99	5.95	<13	PASS
		50	0	6.19	<13	PASS
		50	25	6.17	<13	PASS
		50	50	6.14	<13	PASS
		100	0	6.25	<13	PASS
	HCH	1	0	6.08	<13	PASS
		1	49	5.96	<13	PASS
		1	99	5.77	<13	PASS
		50	0	6.07	<13	PASS
		50	25	5.97	<13	PASS
		50	50	6.06	<13	PASS
		100	0	6.09	<13	PASS

Test Graphs

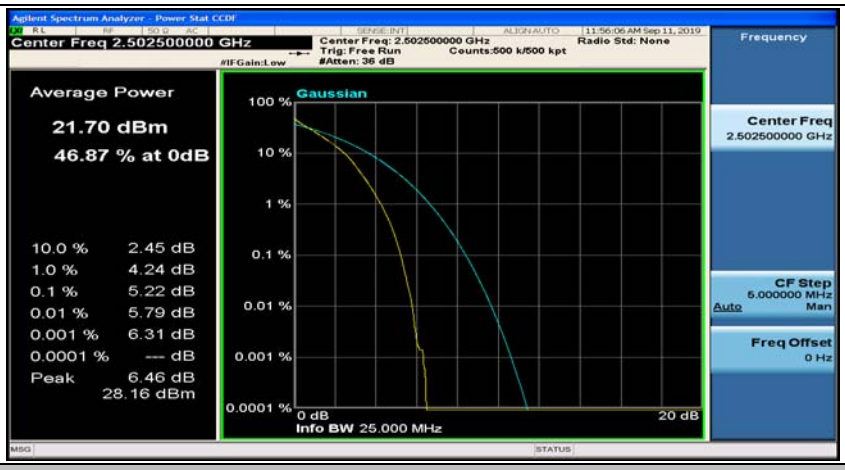
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

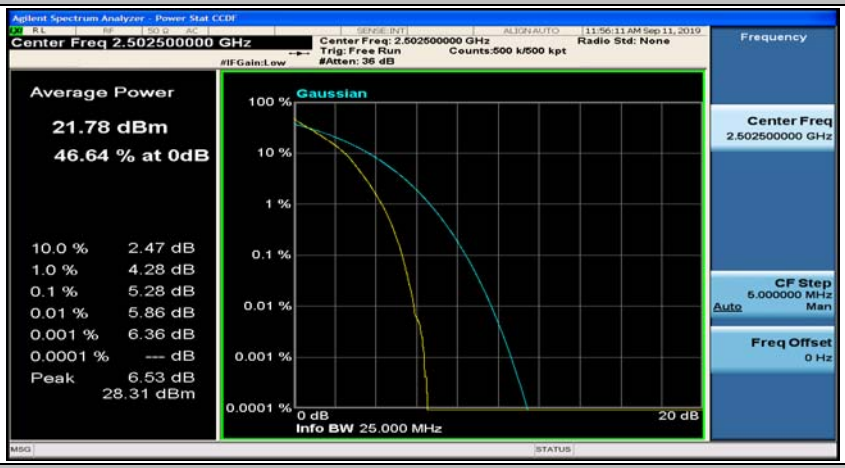
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

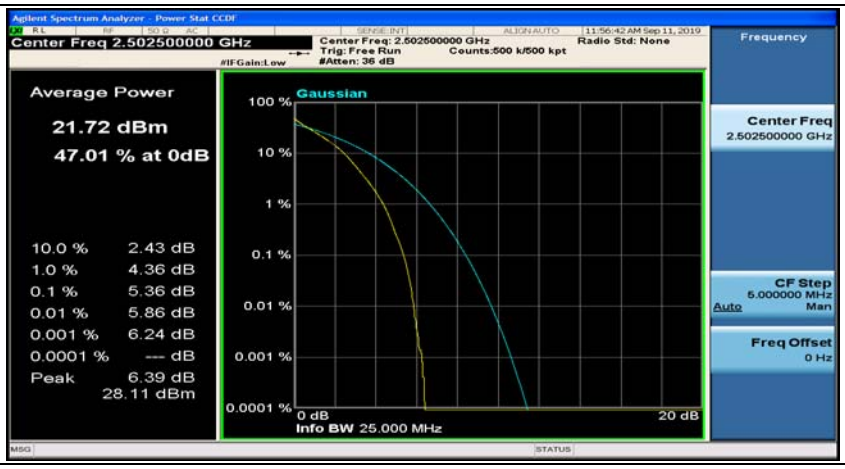


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

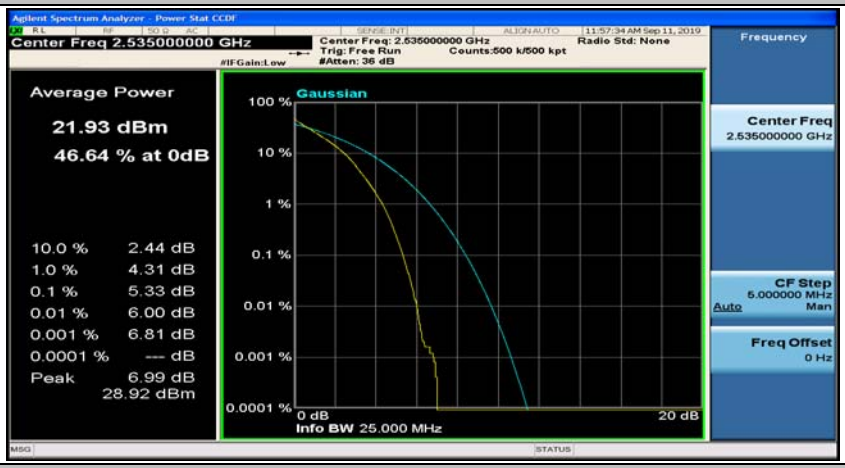


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

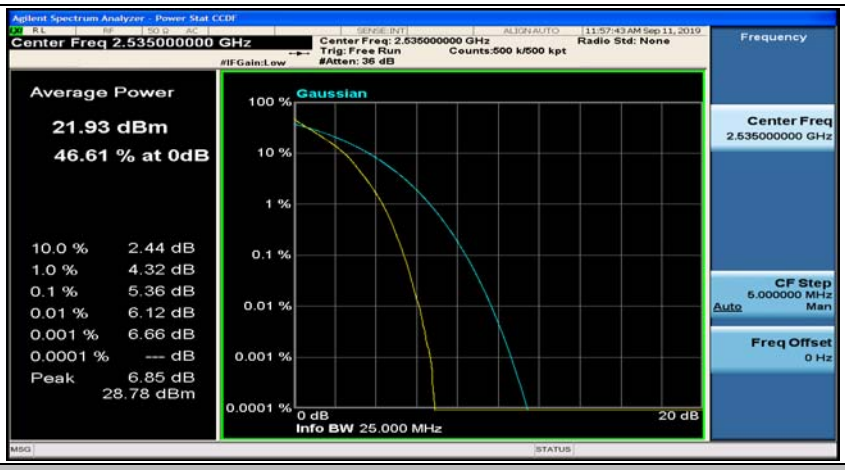
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

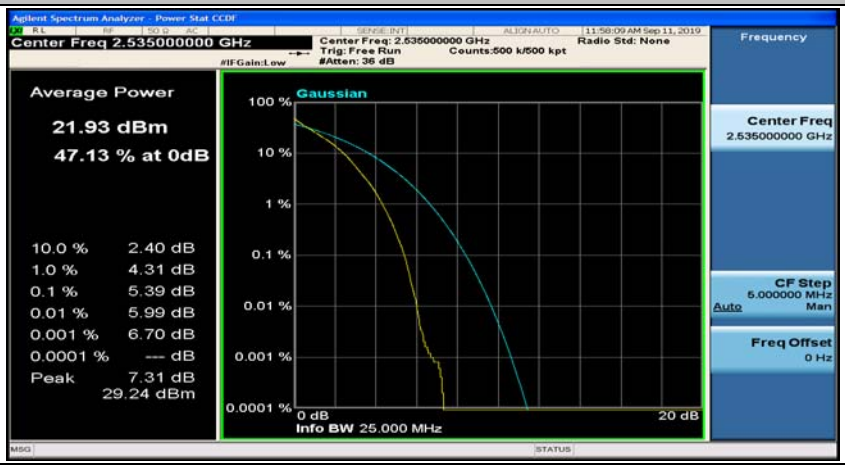


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

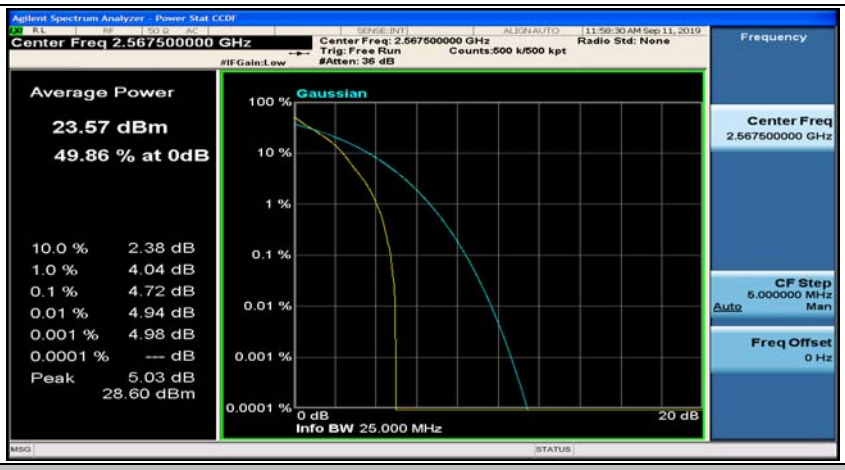


(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

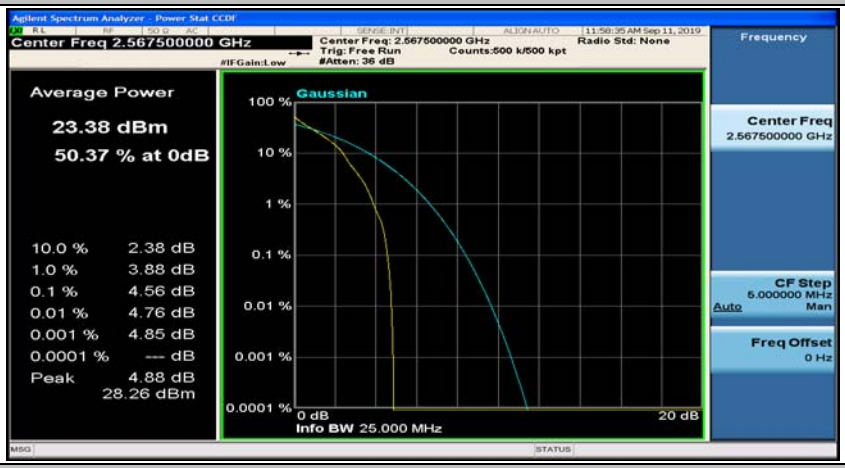


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

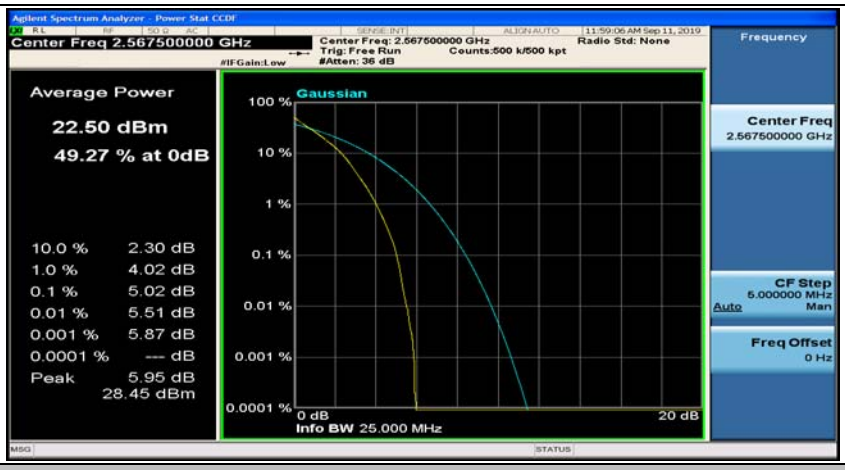


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

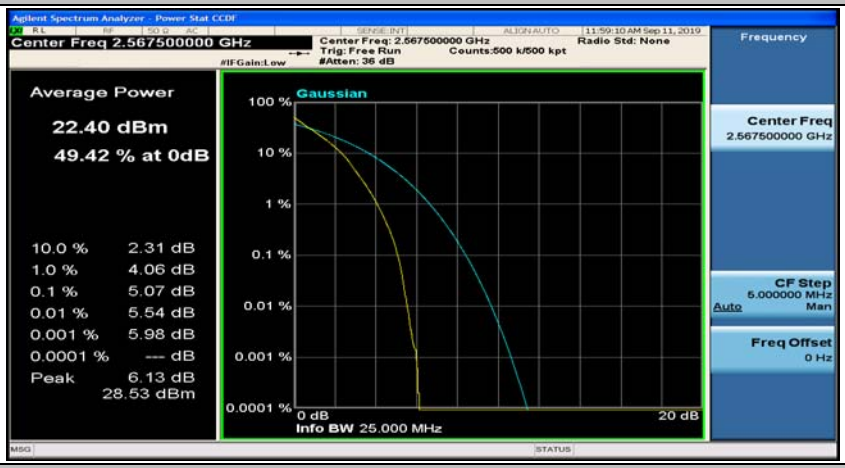


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



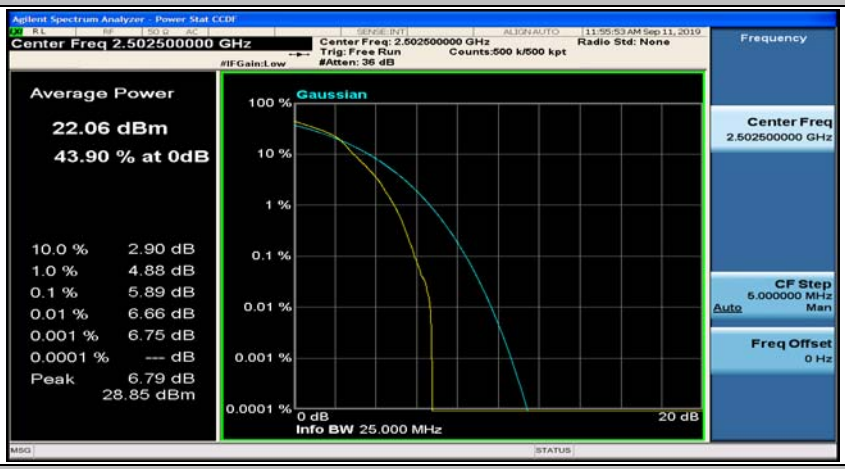
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

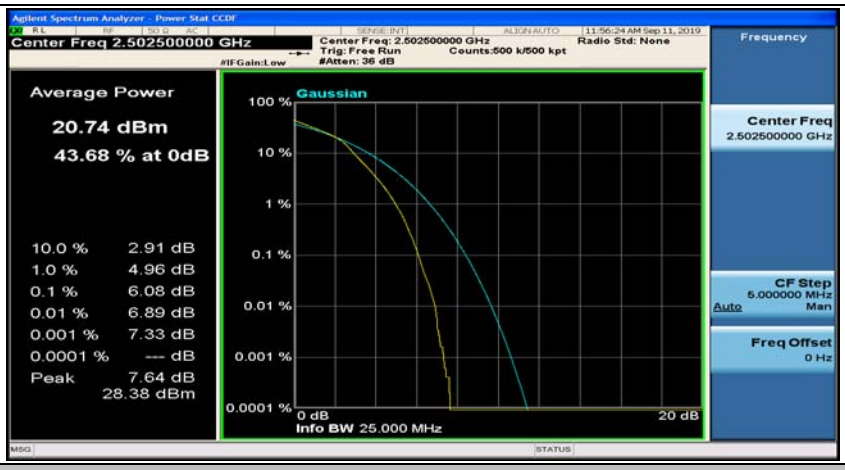
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

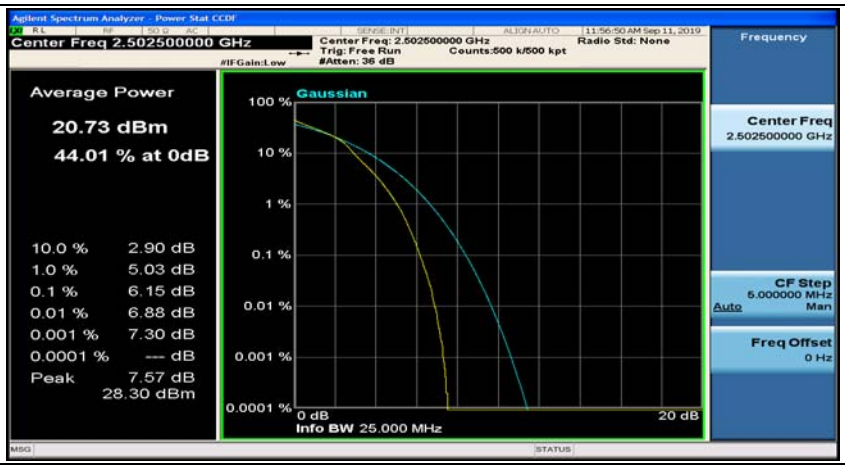
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

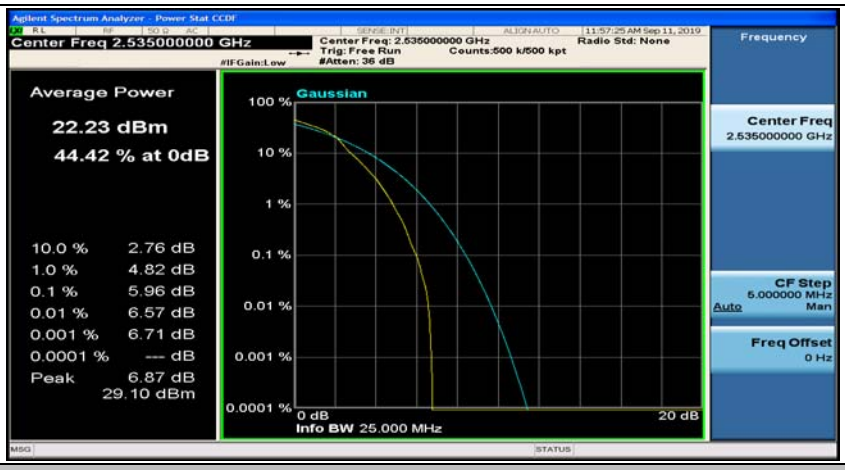
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



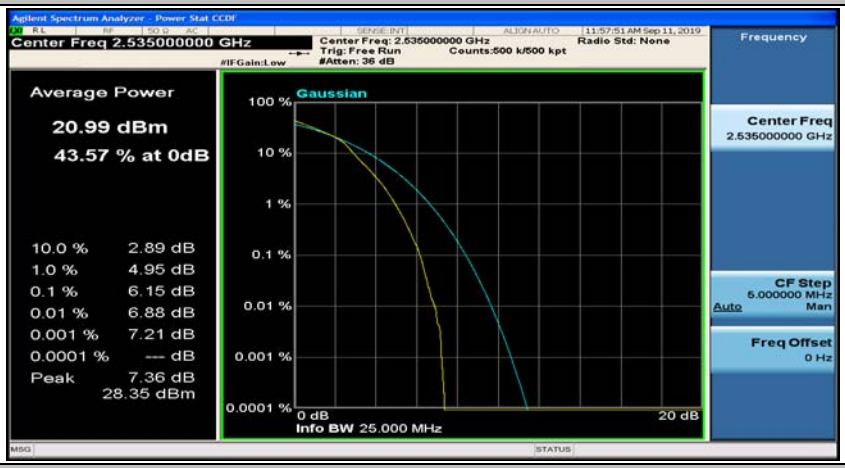
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

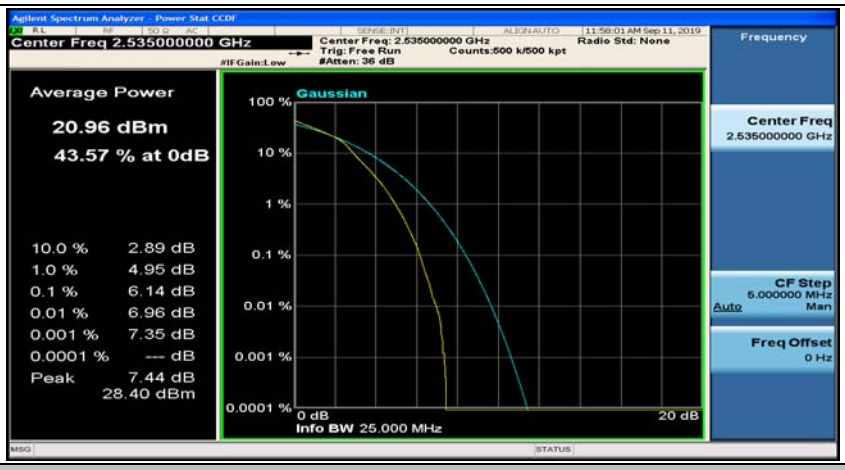


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

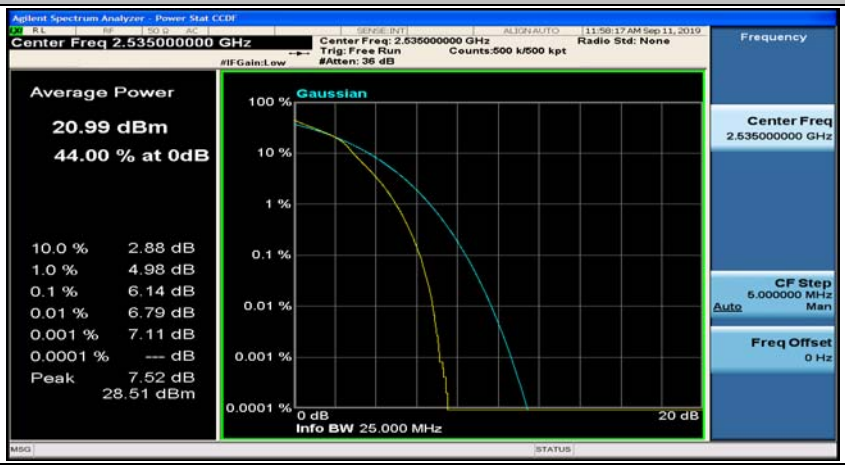


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

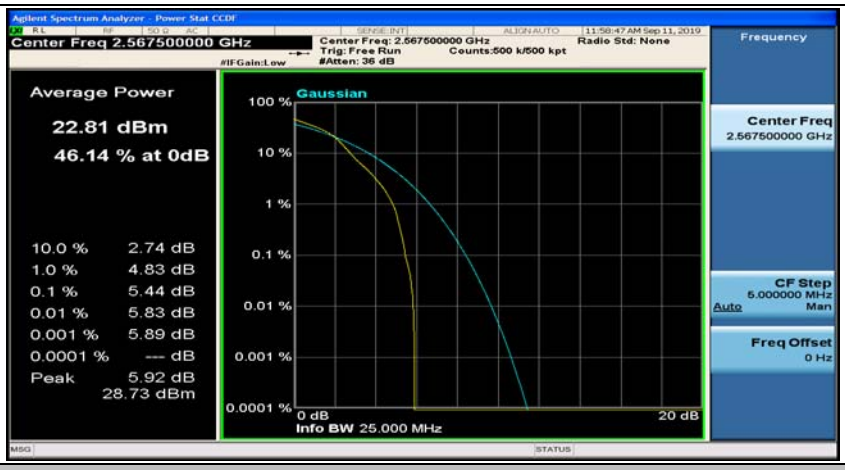


(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

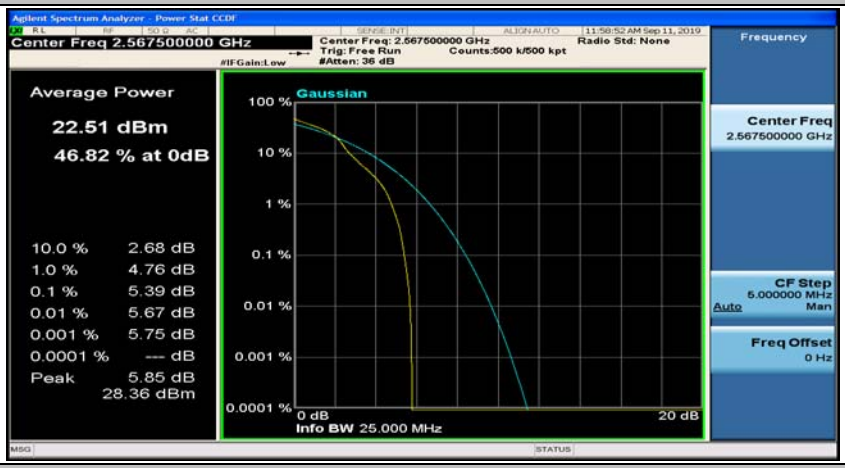


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



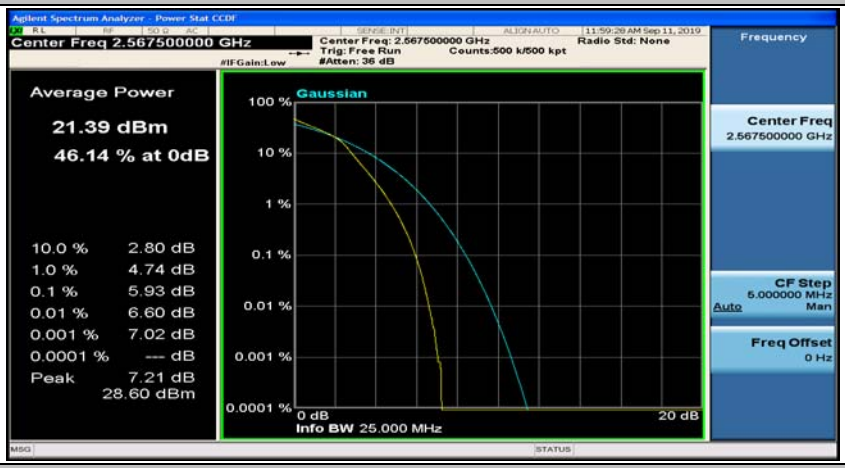
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

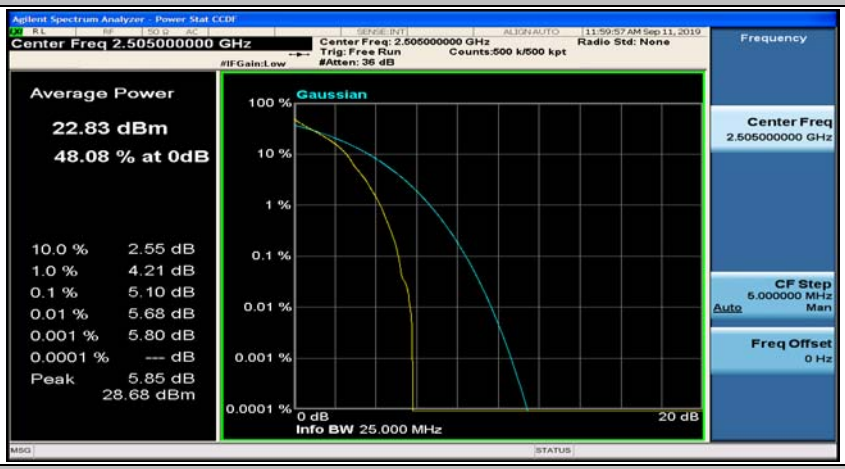
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

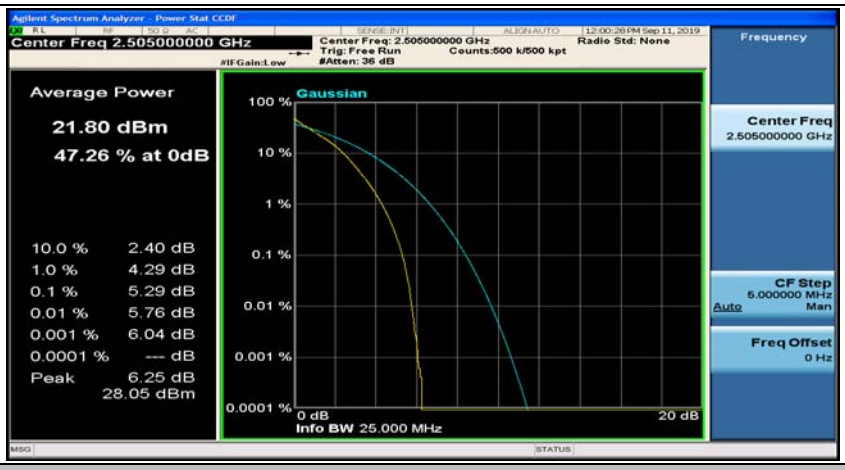
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



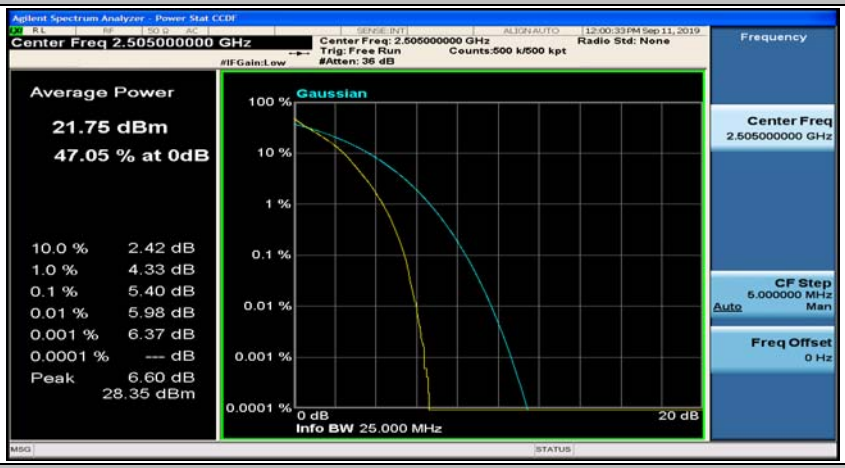
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

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



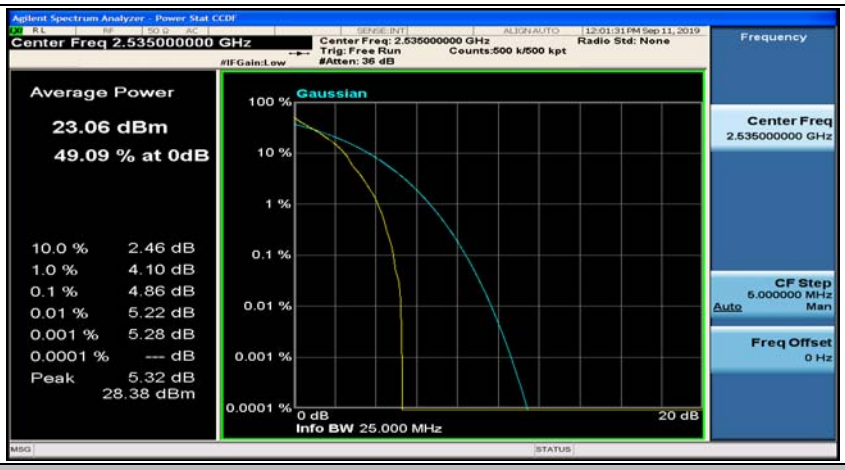
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

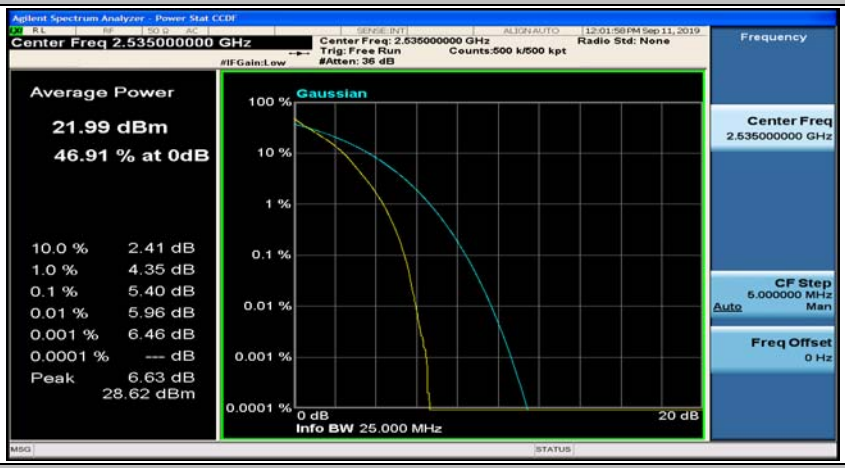
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

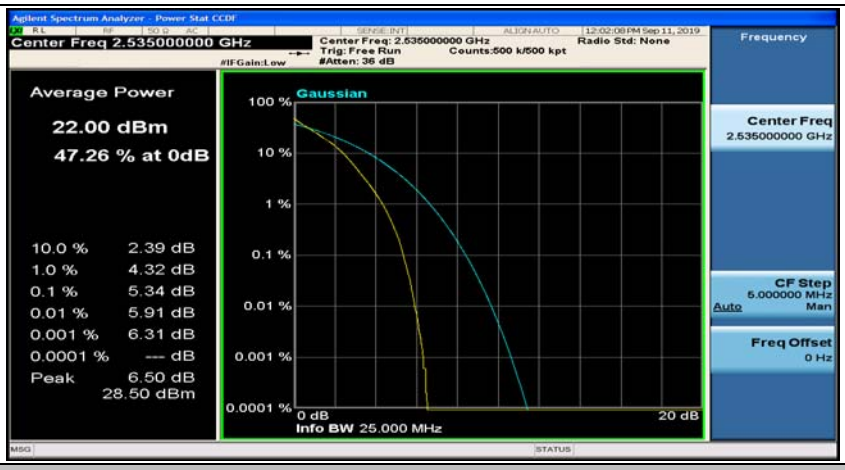


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

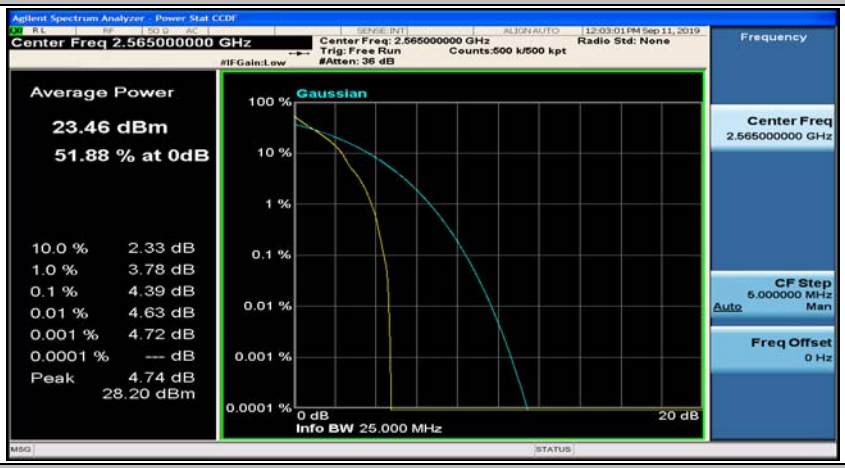


Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

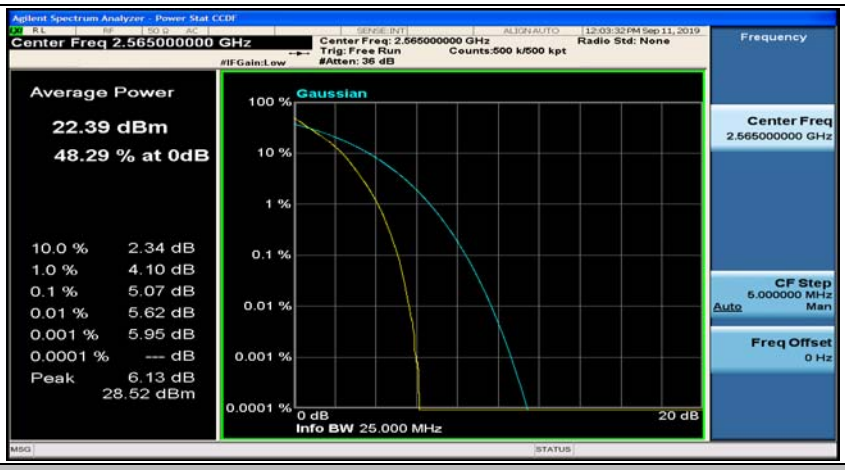
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

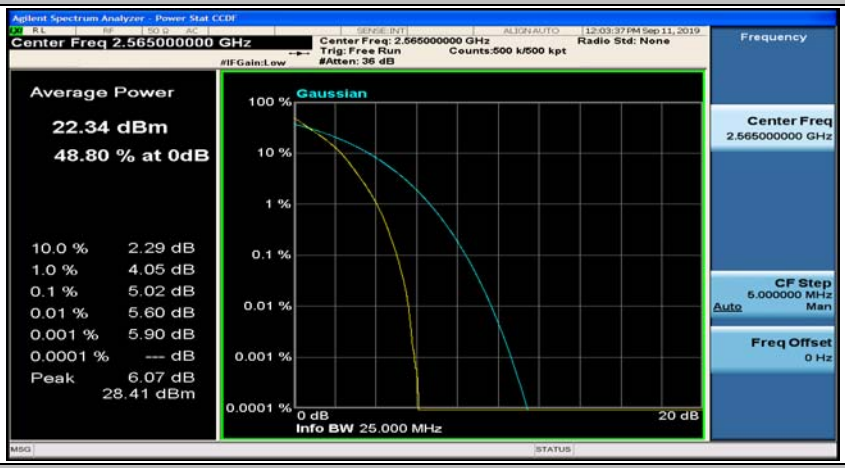


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



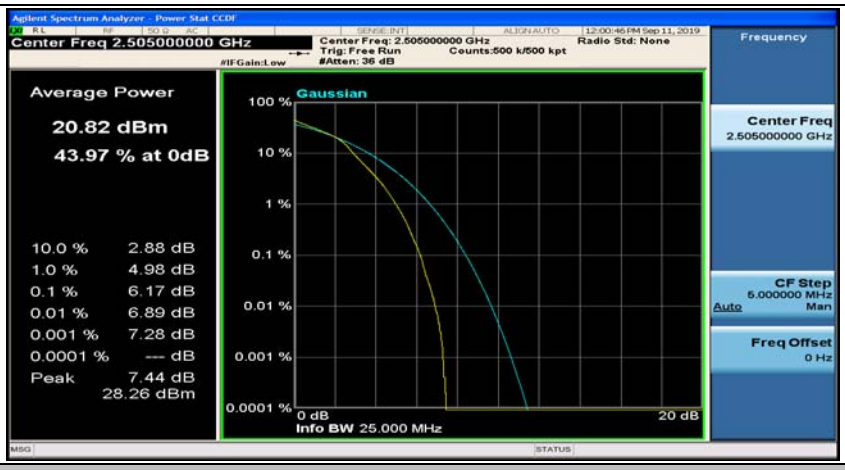
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

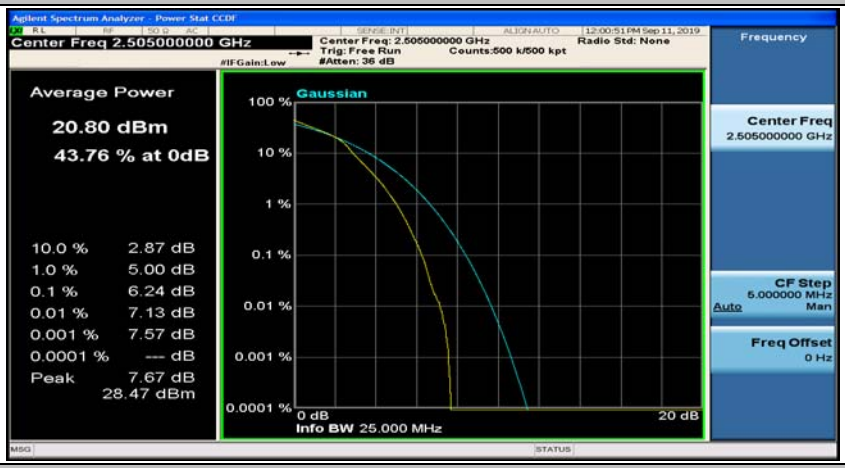
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

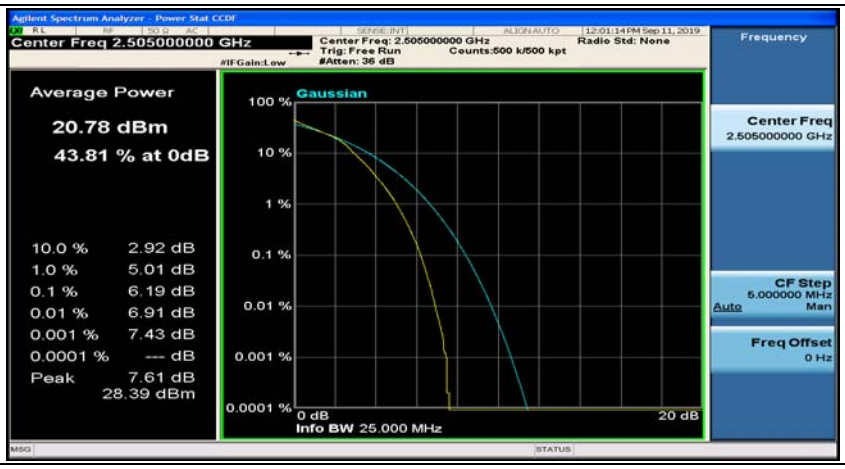


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

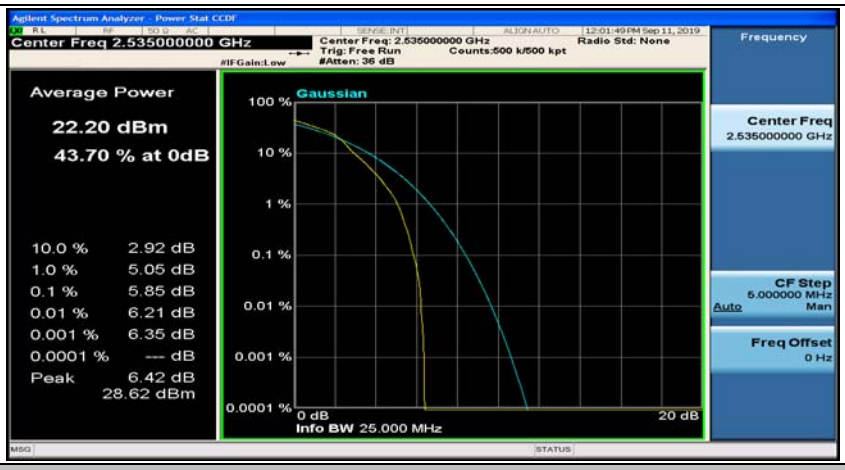
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



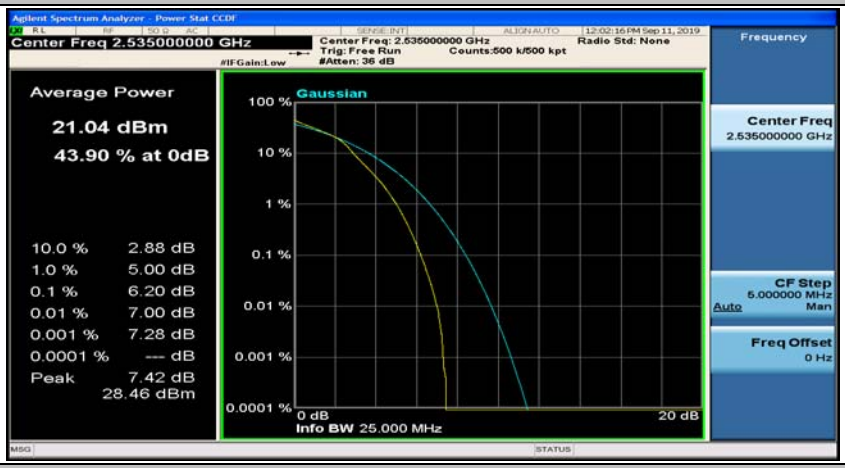
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

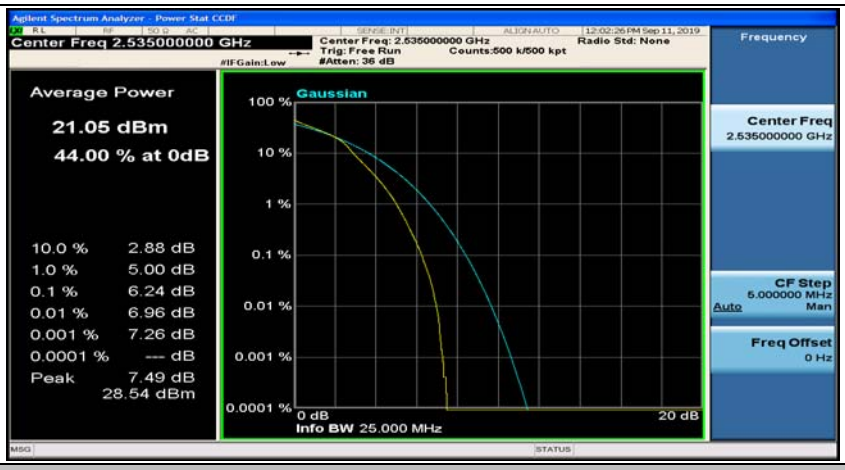


Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

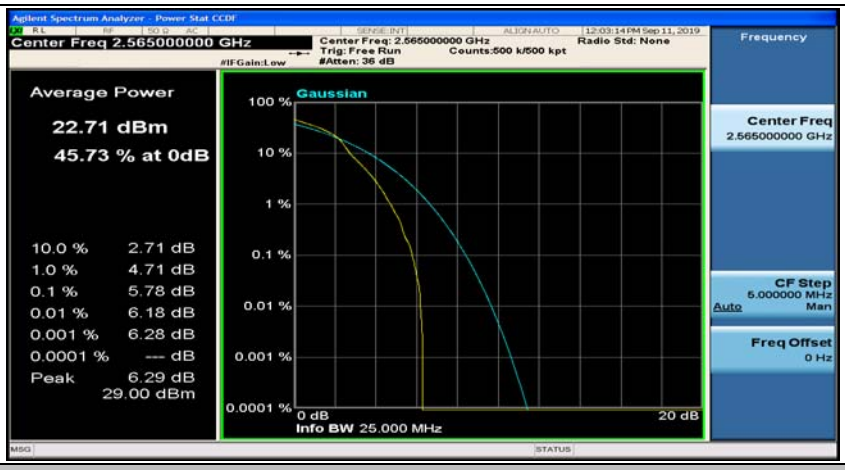
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



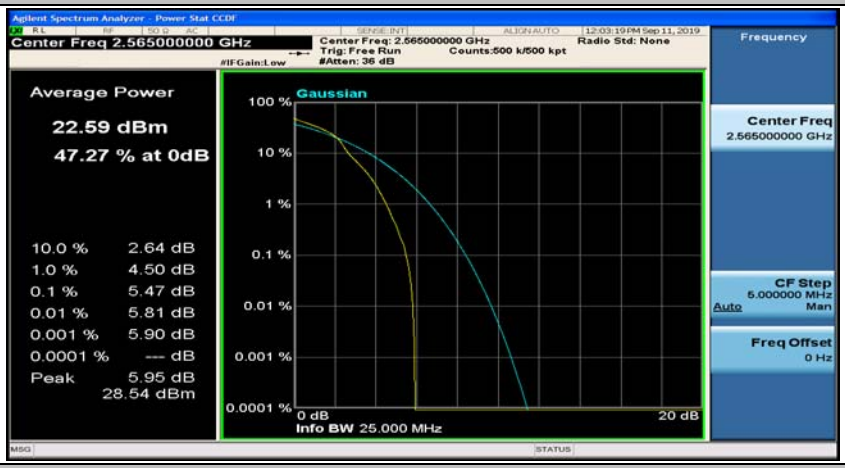
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

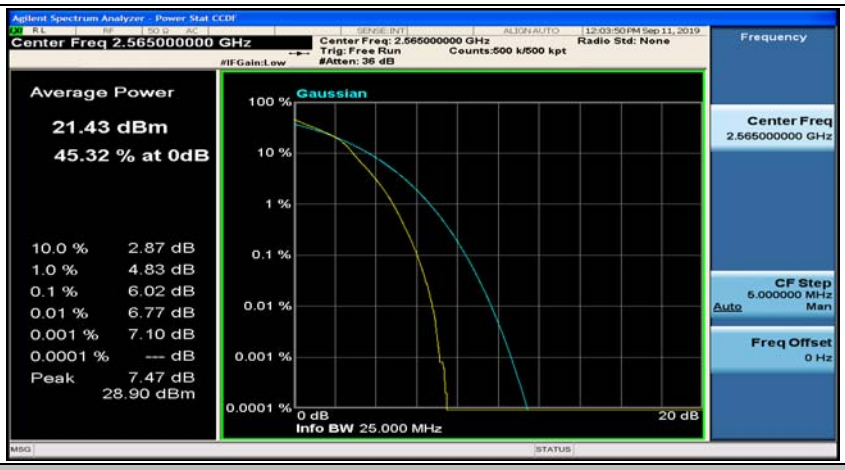


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

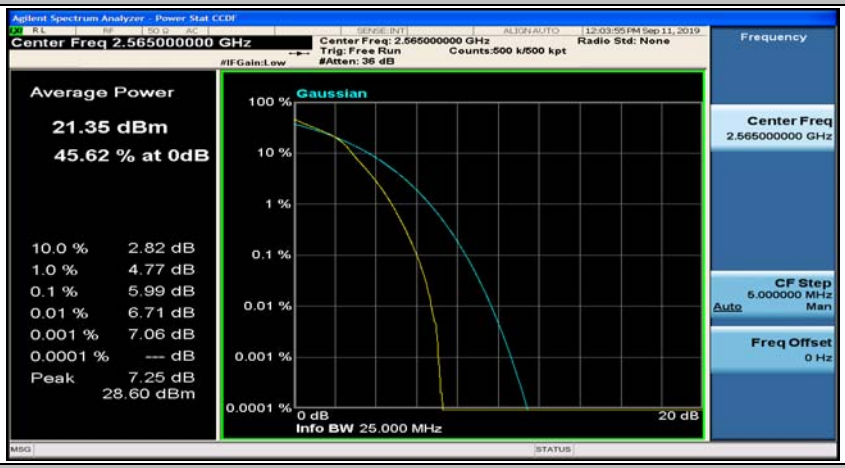


Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

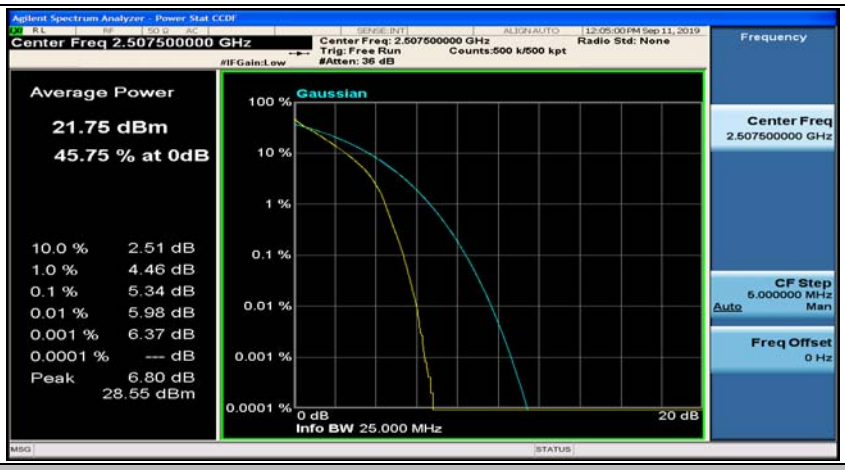
Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

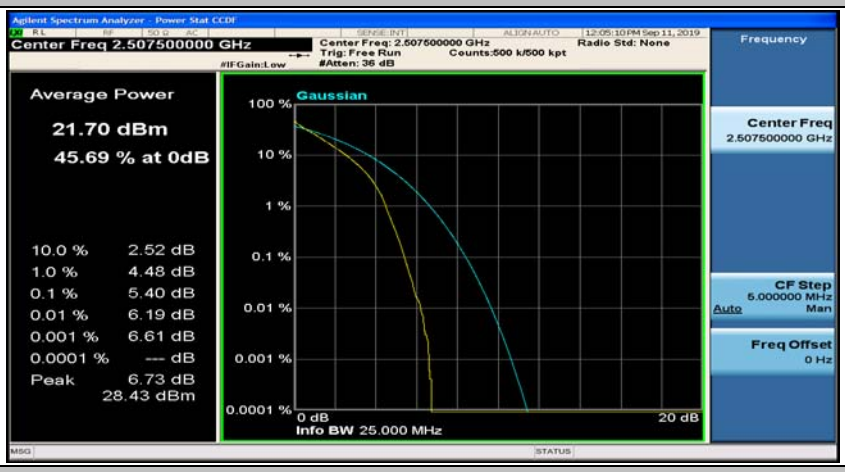
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

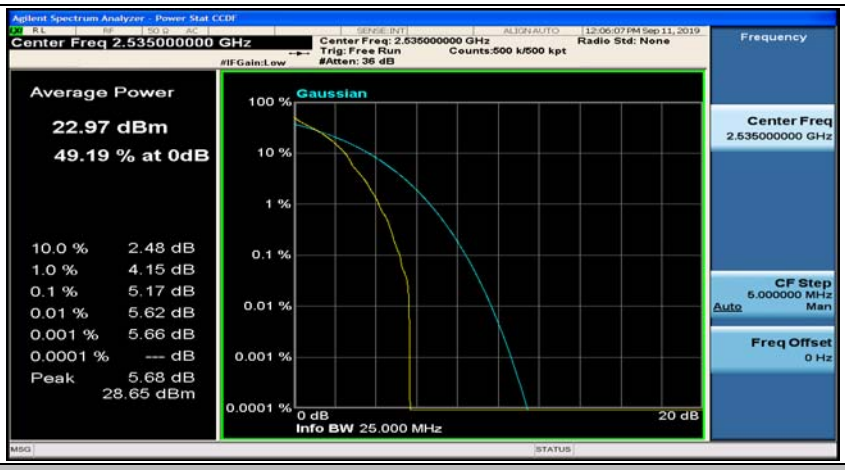


(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

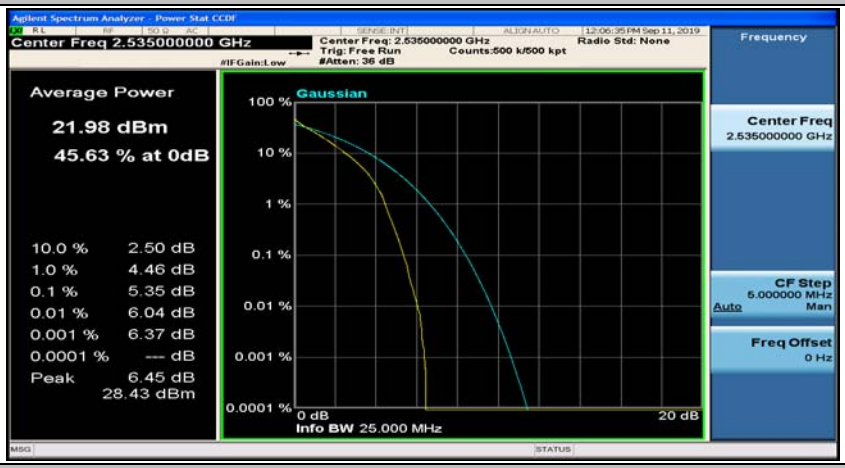
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

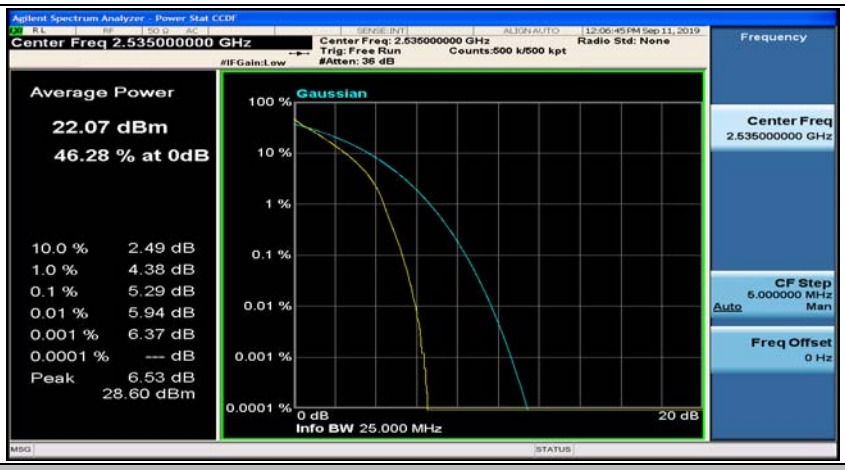


(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38

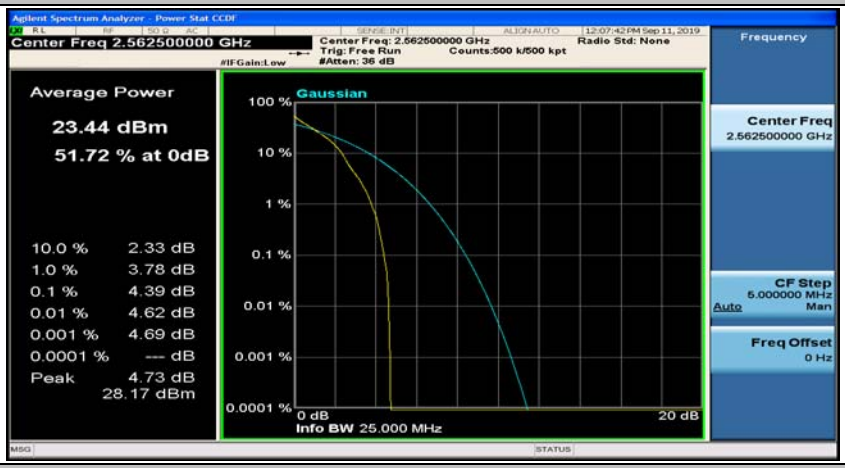


(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

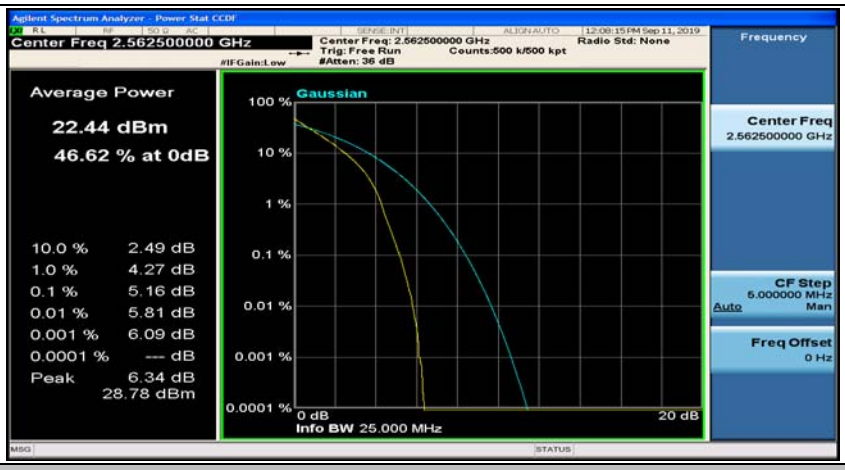
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

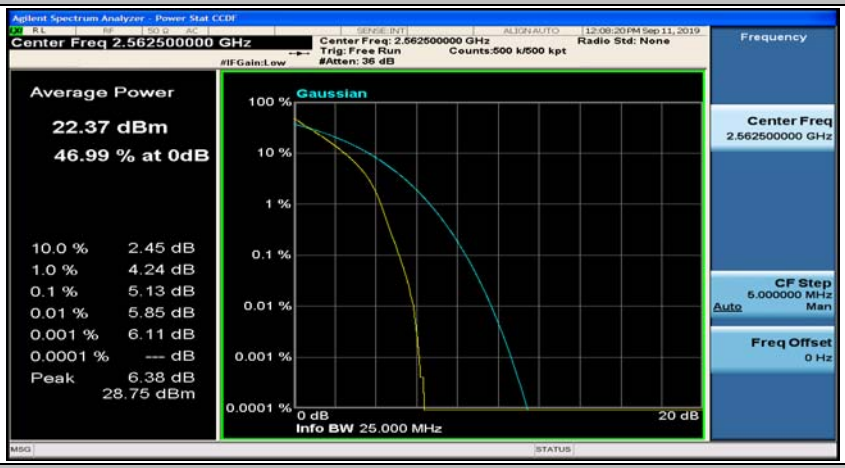


(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



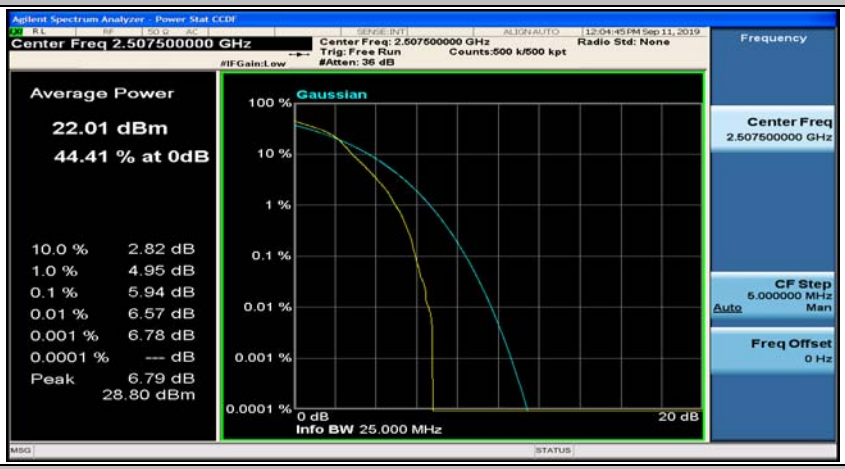
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38



(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

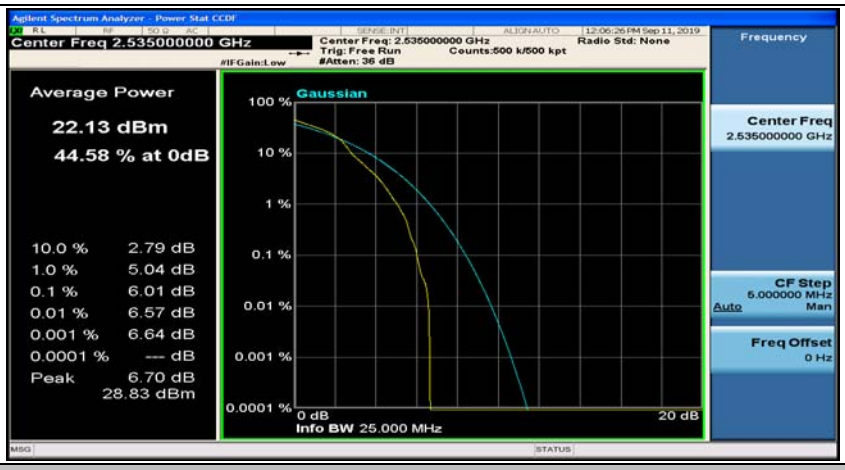
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

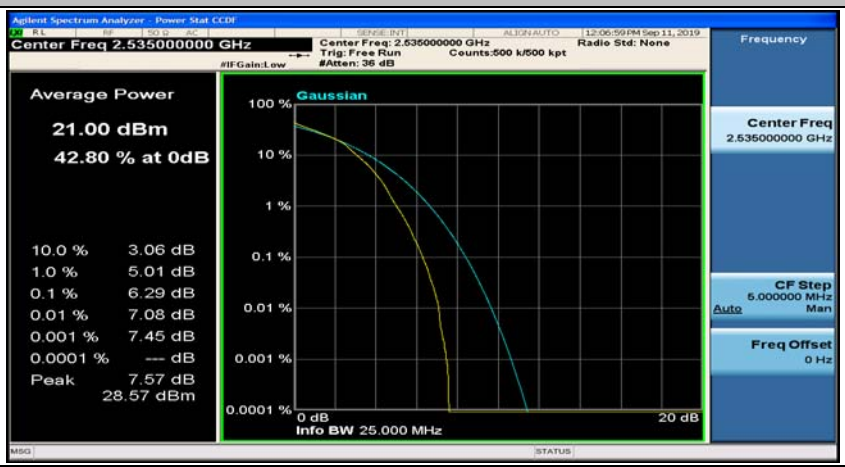
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

(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