Appendix for Band 12

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.30	PASS
		1	3	23.42	PASS
		1	5	23.35	PASS
		3	0	22.34	PASS
		3	2	22.29	PASS
		3	3	22.32	PASS
		6	0	22.34	PASS
	MCH	1	0	22.87	PASS
		1	3	22.94	PASS
		1	5	23.16	PASS
		3	0	22.77	PASS
		3	2	22.87	PASS
		3	3	22.82	PASS
		6	0	21.87	PASS
	HCH	1	0	22.52	PASS
		1	3	22.71	PASS
		1	5	22.96	PASS
		3	0	22.59	PASS
		3	2	22.78	PASS
		3	3	22.83	PASS
		6	0	21.80	PASS
16QAM	LCH	1	0	22.60	PASS
		1	3	22.67	PASS
		1	5	22.61	PASS
		3	0	22.26	PASS
		3	2	22.25	PASS
		3	3	22.28	PASS
		6	0	21.27	PASS
	MCH	1	0	22.13	PASS
		1	3	22.34	PASS
		1	5	22.50	PASS
		3	0	21.88	PASS

		3	2	22.00	PASS
		3	3	22.10	PASS
		6	0	21.07	PASS
	HCH	1	0	21.81	PASS
		1	3	22.12	PASS
		1	5	22.25	PASS
		3	0	21.79	PASS
		3	2	21.97	PASS
		3	3	22.06	PASS
		6	0	20.84	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.21	PASS
		1	7	23.39	PASS
		1	14	22.62	PASS
		8	0	22.37	PASS
		8	4	22.40	PASS
		8	7	22.34	PASS
		15	0	22.33	PASS
	MCH	1	0	22.33	PASS
		1	7	22.84	PASS
		1	14	23.35	PASS
		8	0	21.54	PASS
		8	4	21.85	PASS
		8	7	22.13	PASS
		15	0	21.81	PASS
	HCH	1	0	22.88	PASS
		1	7	22.42	PASS
		1	14	22.82	PASS
		8	0	21.73	PASS
		8	4	21.54	PASS
		8	7	21.64	PASS
		15	0	21.68	PASS
16QAM	LCH	1	0	22.46	PASS
		1	7	22.60	PASS
		1	14	22.06	PASS
		8	0	21.41	PASS
		8	4	21.46	PASS
		8	7	21.46	PASS
		15	0	21.28	PASS

	MCH	1	0	21.73	PASS
		1	7	22.28	PASS
		1	14	22.72	PASS
		8	0	20.63	PASS
		8	4	20.93	PASS
		8	7	21.19	PASS
		15	0	20.87	PASS
	HCH	1	0	22.20	PASS
		1	7	21.77	PASS
		1	14	22.15	PASS
		8	0	20.79	PASS
		8	4	20.60	PASS
		8	7	20.68	PASS
		15	0	20.76	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.40	PASS
		1	12	22.53	PASS
		1	24	22.46	PASS
		12	0	22.40	PASS
		12	6	21.75	PASS
		12	13	21.10	PASS
		25	0	21.91	PASS
	MCH	1	0	22.37	PASS
		1	12	22.43	PASS
		1	24	23.36	PASS
		12	0	21.27	PASS
		12	6	21.28	PASS
		12	13	22.16	PASS
		25	0	21.54	PASS
	HCH	1	0	23.28	PASS
		1	12	22.29	PASS
		1	24	22.79	PASS
		12	0	22.16	PASS
		12	6	21.54	PASS
		12	13	21.27	PASS
		25	0	21.87	PASS
16QAM	LCH	1	0	22.56	PASS
		1	12	21.85	PASS
		1	24	21.23	PASS

		12	0	21.13	PASS
		12	6	20.92	PASS
		12	13	20.47	PASS
		25	0	21.01	PASS
	MCH	1	0	21.27	PASS
		1	12	21.74	PASS
		1	24	22.59	PASS
		12	0	20.66	PASS
		12	6	20.47	PASS
		12	13	21.32	PASS
		25	0	20.59	PASS
	HCH	1	0	22.39	PASS
		1	12	21.57	PASS
		1	24	22.08	PASS
		12	0	21.15	PASS
		12	6	20.65	PASS
		12	13	20.38	PASS
		25	0	20.95	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.52	PASS
		1	24	22.50	PASS
		1	49	22.76	PASS
		25	0	22.91	PASS
		25	12	21.75	PASS
		25	25	21.89	PASS
		50	0	21.46	PASS
	MCH	1	0	22.00	PASS
		1	24	22.28	PASS
		1	49	23.11	PASS
		25	0	21.49	PASS
		25	12	21.36	PASS
		25	25	22.30	PASS
		50	0	21.73	PASS
	HCH	1	0	22.20	PASS
		1	24	23.24	PASS
		1	49	22.25	PASS
		25	0	22.25	PASS
		25	12	22.20	PASS
		25	25	21.70	PASS

		50	0	22.05	PASS
16QAM	LCH	1	0	22.56	PASS
		1	24	21.88	PASS
		1	49	22.13	PASS
		25	0	20.94	PASS
		25	12	20.87	PASS
		25	25	20.98	PASS
		50	0	20.52	PASS
	MCH	1	0	21.49	PASS
		1	24	21.76	PASS
		1	49	22.43	PASS
		25	0	20.90	PASS
		25	12	20.48	PASS
		25	25	21.33	PASS
		50	0	20.85	PASS
	HCH	1	0	21.54	PASS
		1	24	22.44	PASS
		1	49	21.61	PASS
		25	0	21.34	PASS
		25	12	21.20	PASS
		25	25	20.83	PASS
		50	0	21.14	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.34	<13	PASS
		1	3	4.3	<13	PASS
		1	5	4.1	<13	PASS
		3	0	4.6	<13	PASS
		3	2	4.43	<13	PASS
		3	3	4.53	<13	PASS
		6	0	5.19	<13	PASS
	MCH	1	0	5.5	<13	PASS
		1	3	5.43	<13	PASS
		1	5	5.39	<13	PASS
		3	0	6.05	<13	PASS
		3	2	5.98	<13	PASS
		3	3	6.02	<13	PASS
		6	0	6.1	<13	PASS
	HCH	1	0	4.94	<13	PASS
		1	3	4.87	<13	PASS
		1	5	4.87	<13	PASS
		3	0	5.51	<13	PASS
		3	2	5.45	<13	PASS
		3	3	5.29	<13	PASS
		6	0	5.61	<13	PASS
16QAM	LCH	1	0	5.18	<13	PASS
		1	3	5.03	<13	PASS
		1	5	5.17	<13	PASS
		3	0	5.6	<13	PASS
		3	2	5.54	<13	PASS
		3	3	5.42	<13	PASS
		6	0	6.04	<13	PASS
	MCH	1	0	6.61	<13	PASS
		1	3	6.49	<13	PASS
		1	5	6.22	<13	PASS
		3	0	7.05	<13	PASS

		3	2	7.05	<13	PASS
		3	3	6.98	<13	PASS
		6	0	6.76	<13	PASS
	HCH	1	0	5.7	<13	PASS
		1	3	5.82	<13	PASS
		1	5	5.43	<13	PASS
		3	0	6.23	<13	PASS
		3	2	6.23	<13	PASS
		3	3	6.09	<13	PASS
		6	0	6.54	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.27	<13	PASS
		1	7	4.14	<13	PASS
		1	14	4.9	<13	PASS
		8	0	5.04	<13	PASS
		8	4	5.01	<13	PASS
		8	7	5.22	<13	PASS
		15	0	5.09	<13	PASS
	MCH	1	0	5.57	<13	PASS
		1	7	5.3	<13	PASS
		1	14	5	<13	PASS
		8	0	6.17	<13	PASS
		8	4	6.2	<13	PASS
		8	7	5.99	<13	PASS
		15	0	6.31	<13	PASS
	HCH	1	0	4.51	<13	PASS
		1	7	4.97	<13	PASS
		1	14	4.8	<13	PASS
		8	0	5.55	<13	PASS
		8	4	5.77	<13	PASS
		8	7	5.79	<13	PASS
		15	0	5.61	<13	PASS
16QAM	LCH	1	0	5.27	<13	PASS
		1	7	4.89	<13	PASS
		1	14	5.62	<13	PASS
		8	0	5.82	<13	PASS
		8	4	5.72	<13	PASS

		8	7	5.76	<13	PASS
		15	0	6.04	<13	PASS
	MCH	1	0	6.29	<13	PASS
		1	7	6.13	<13	PASS
		1	14	5.93	<13	PASS
		8	0	6.8	<13	PASS
		8	4	6.81	<13	PASS
		8	7	6.53	<13	PASS
		15	0	6.76	<13	PASS
	HCH	1	0	5.36	<13	PASS
		1	7	5.75	<13	PASS
		1	14	5.57	<13	PASS
		8	0	6.49	<13	PASS
		8	4	6.71	<13	PASS
		8	7	6.72	<13	PASS
		15	0	6.26	<13	PASS

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	4.39	<13	PASS
		1	12	5.08	<13	PASS
		1	24	5.98	<13	PASS
		12	0	5.06	<13	PASS
		12	6	5.39	<13	PASS
		12	13	5.78	<13	PASS
		25	0	5.51	<13	PASS
	MCH	1	0	5.73	<13	PASS
		1	12	5.78	<13	PASS
		1	24	4.8	<13	PASS
		12	0	6.14	<13	PASS
		12	6	5.91	<13	PASS
		12	13	5.75	<13	PASS
		25	0	6.16	<13	PASS
	HCH	1	0	4.21	<13	PASS
		1	12	4.87	<13	PASS
		1	24	4.92	<13	PASS
		12	0	5.08	<13	PASS
		12	6	5.43	<13	PASS
		12	13	5.8	<13	PASS

		25	0	5.54	<13	PASS
16QAM	LCH	1	0	5.18	<13	PASS
		1	12	5.6	<13	PASS
		1	24	6.45	<13	PASS
		12	0	5.88	<13	PASS
		12	6	6.16	<13	PASS
		12	13	6.6	<13	PASS
		25	0	6.08	<13	PASS
	MCH	1	0	6.58	<13	PASS
		1	12	6.6	<13	PASS
		1	24	5.83	<13	PASS
		12	0	6.72	<13	PASS
		12	6	6.73	<13	PASS
		12	13	6.51	<13	PASS
		25	0	6.8	<13	PASS
	HCH	1	0	5.18	<13	PASS
		1	12	5.52	<13	PASS
		1	24	5.68	<13	PASS
		12	0	5.86	<13	PASS
		12	6	6.11	<13	PASS
		12	13	6.44	<13	PASS
		25	0	6.17	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.21	<13	PASS
		1	24	5.64	<13	PASS
		1	49	5.53	<13	PASS
		25	0	5.42	<13	PASS
		25	12	6.01	<13	PASS
		25	25	6.21	<13	PASS
		50	0	6.02	<13	PASS
	MCH	1	0	5.01	<13	PASS
		1	24	5.46	<13	PASS
		1	49	4.05	<13	PASS
		25	0	6.21	<13	PASS
		25	12	6.14	<13	PASS
		25	25	5.47	<13	PASS
		50	0	5.83	<13	PASS

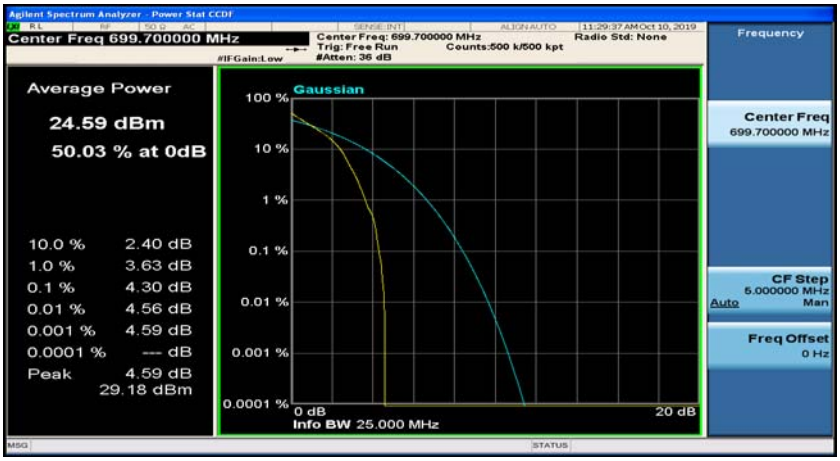
	HCH	1	0	5.97	<13	PASS
		1	24	4.46	<13	PASS
		1	49	5.03	<13	PASS
		25	0	5.64	<13	PASS
		25	12	5.18	<13	PASS
		25	25	5.37	<13	PASS
		50	0	5.34	<13	PASS
16QAM	LCH	1	0	5.13	<13	PASS
		1	24	6.88	<13	PASS
		1	49	6.25	<13	PASS
		25	0	6.25	<13	PASS
		25	12	6.75	<13	PASS
		25	25	6.83	<13	PASS
		50	0	6.56	<13	PASS
	MCH	1	0	6.17	<13	PASS
		1	24	6.33	<13	PASS
		1	49	5.11	<13	PASS
		25	0	6.9	<13	PASS
		25	12	6.8	<13	PASS
		25	25	6.32	<13	PASS
		50	0	6.5	<13	PASS
	HCH	1	0	6.44	<13	PASS
		1	24	5.38	<13	PASS
		1	49	5.74	<13	PASS
		25	0	6.57	<13	PASS
		25	12	6.13	<13	PASS
		25	25	6.19	<13	PASS
		50	0	6.16	<13	PASS

Test Graphs

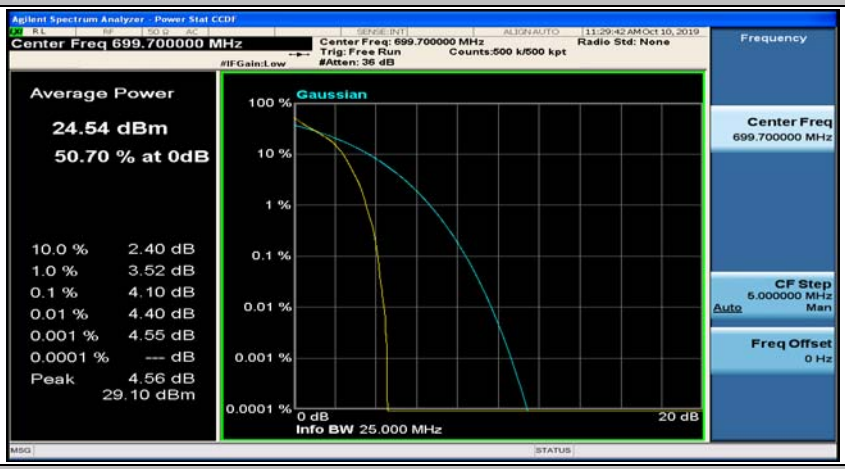
Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

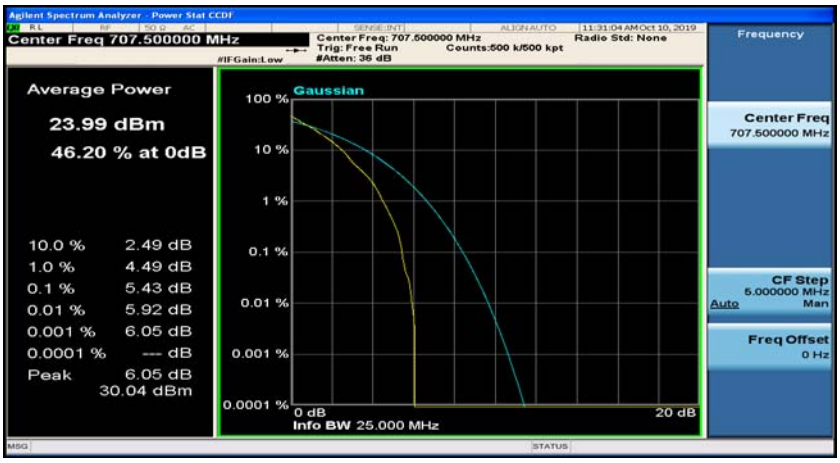
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0

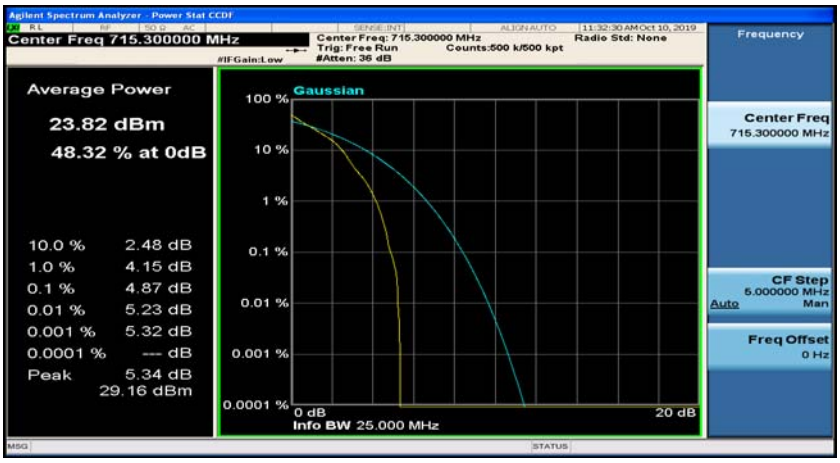
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

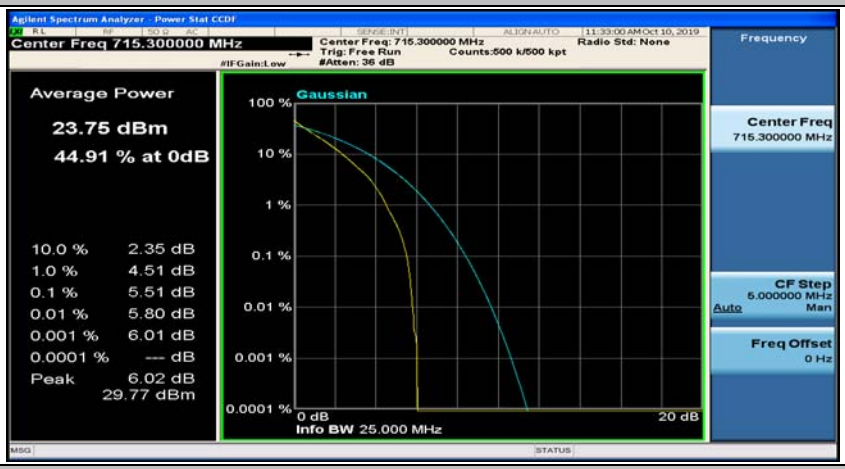
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

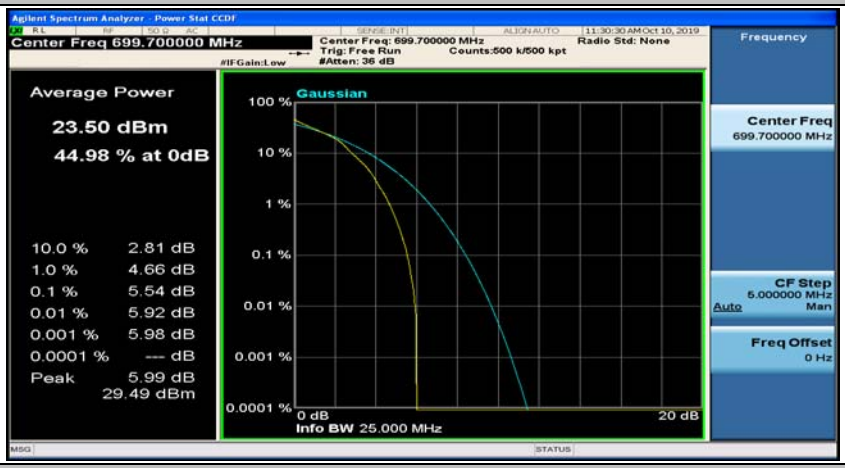
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

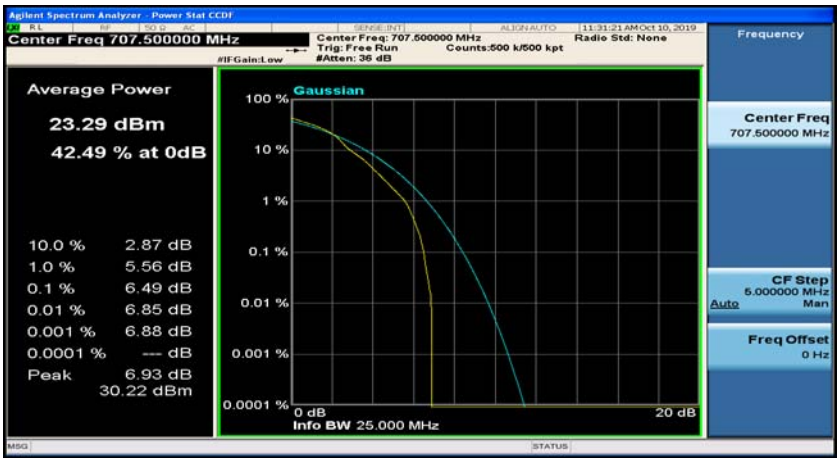


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0

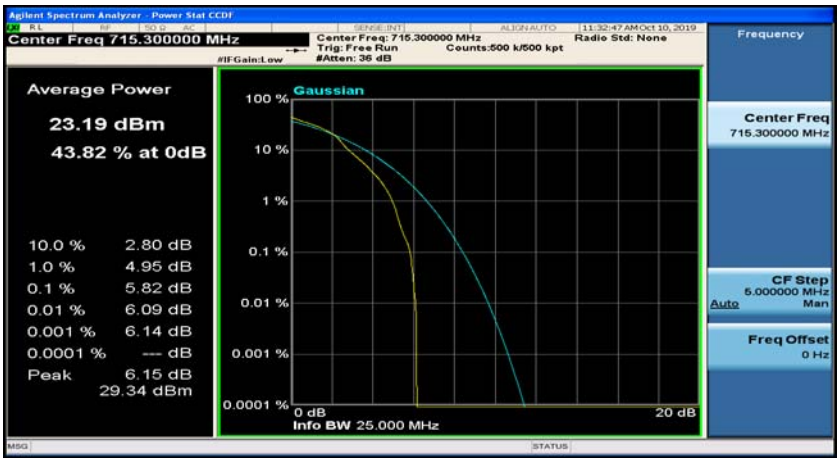
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

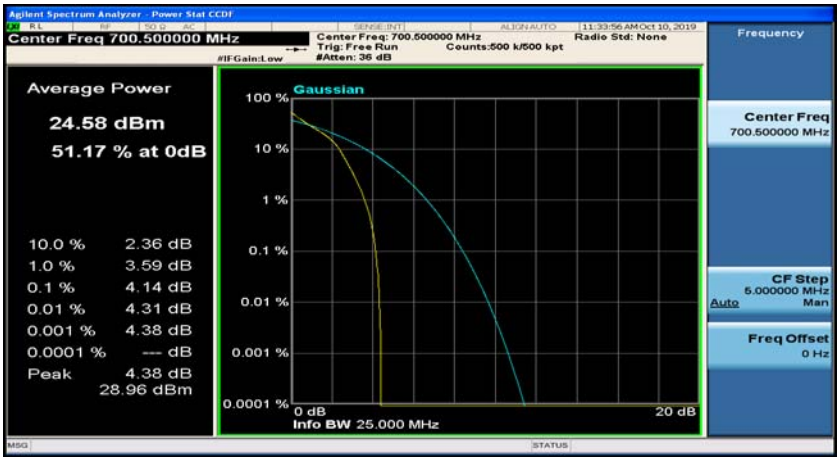
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

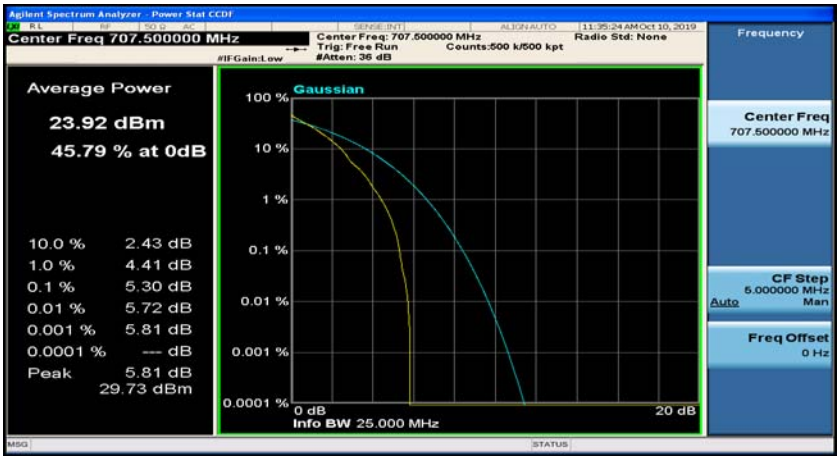
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0

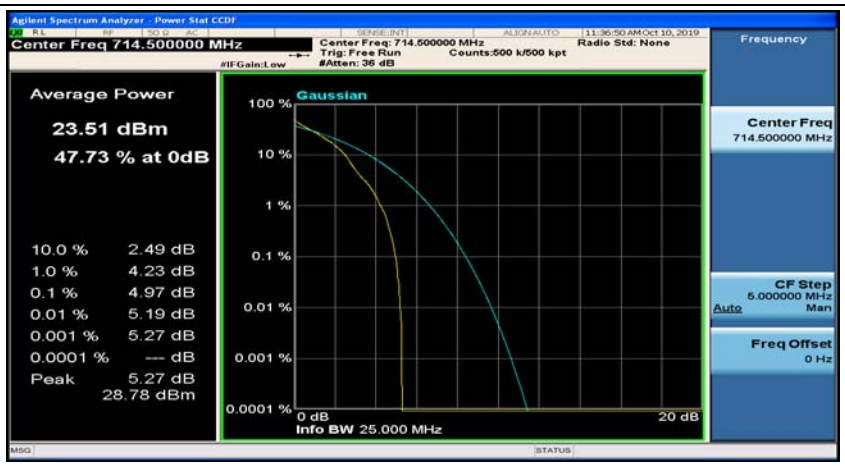
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7

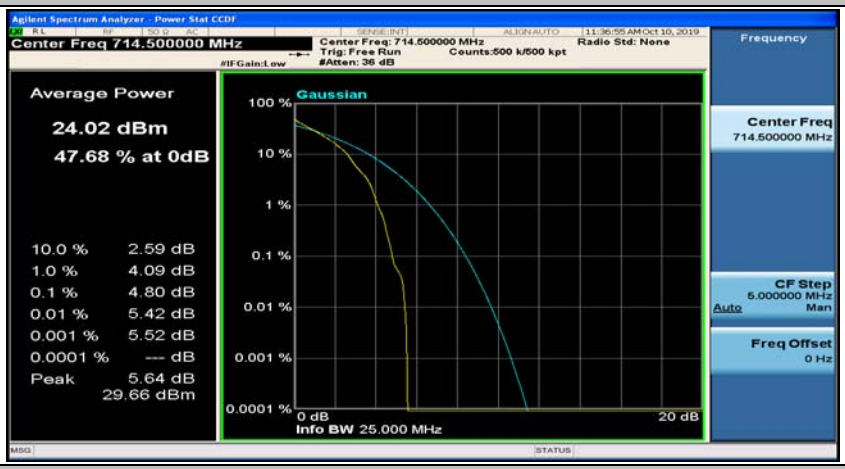
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

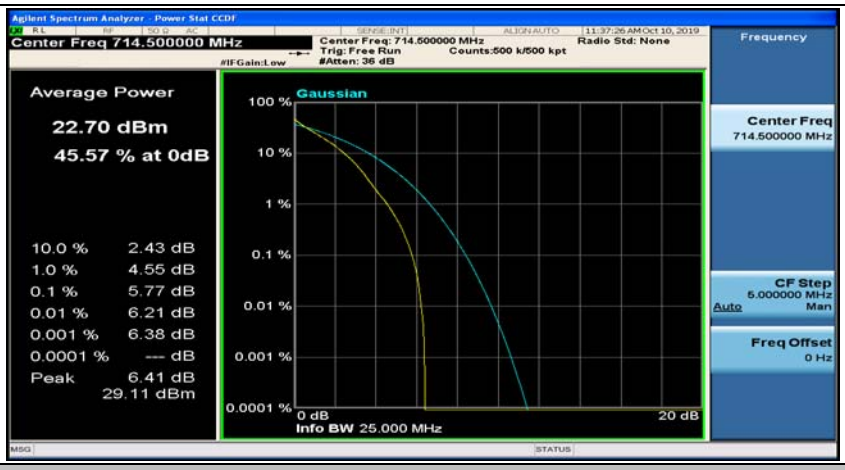


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

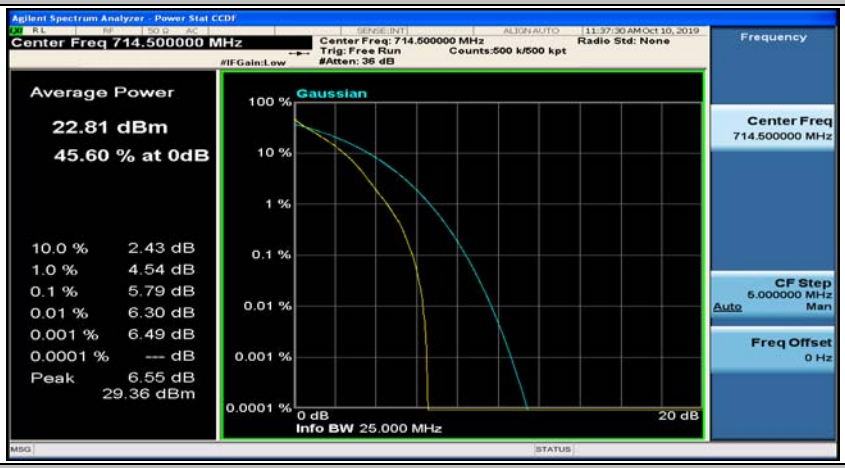


(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



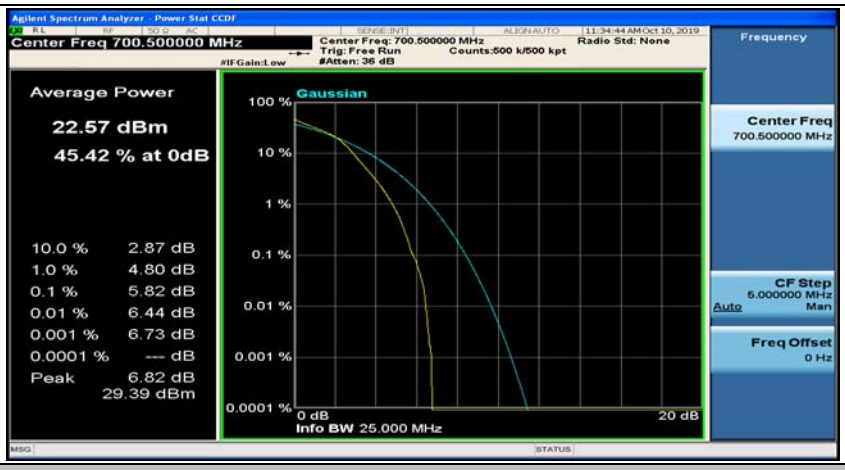
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

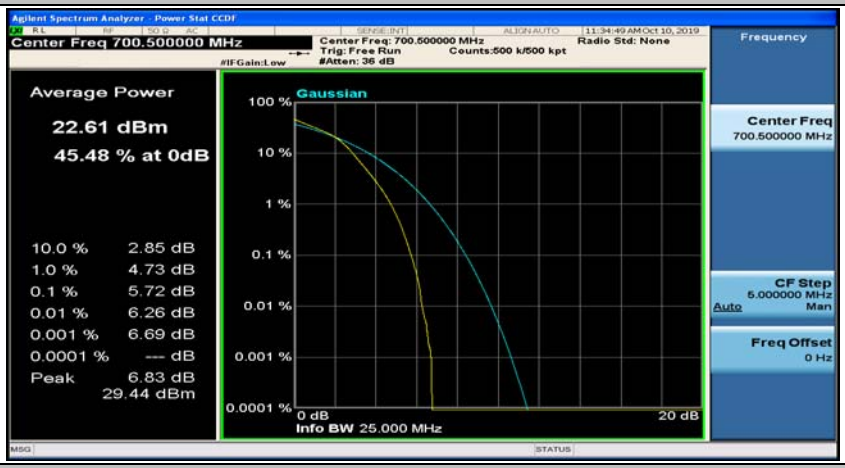
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

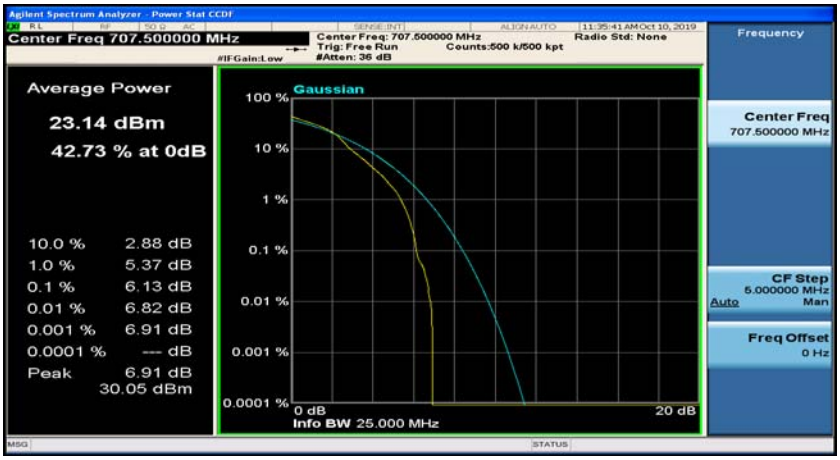


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0

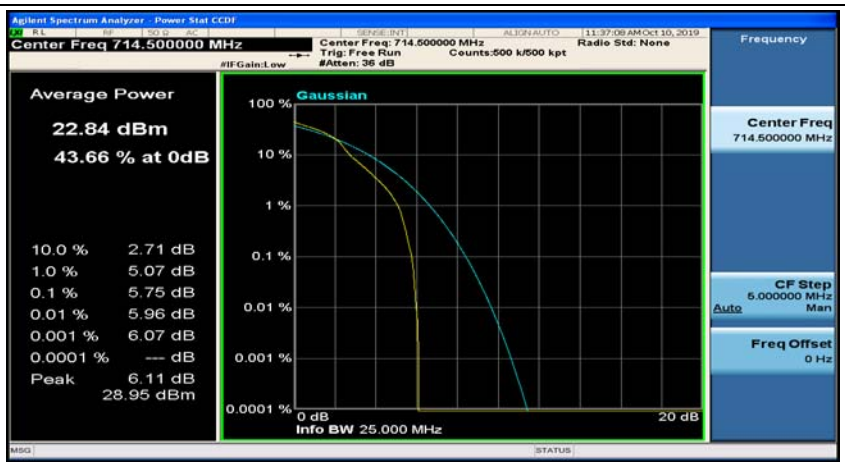
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7

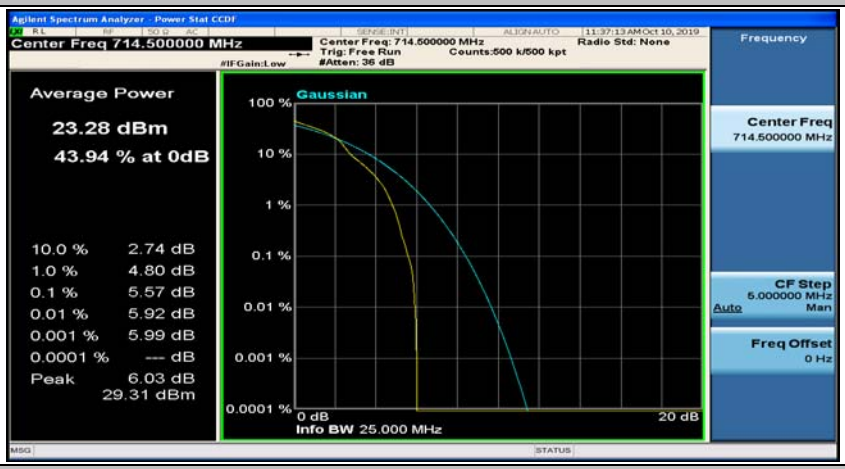
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



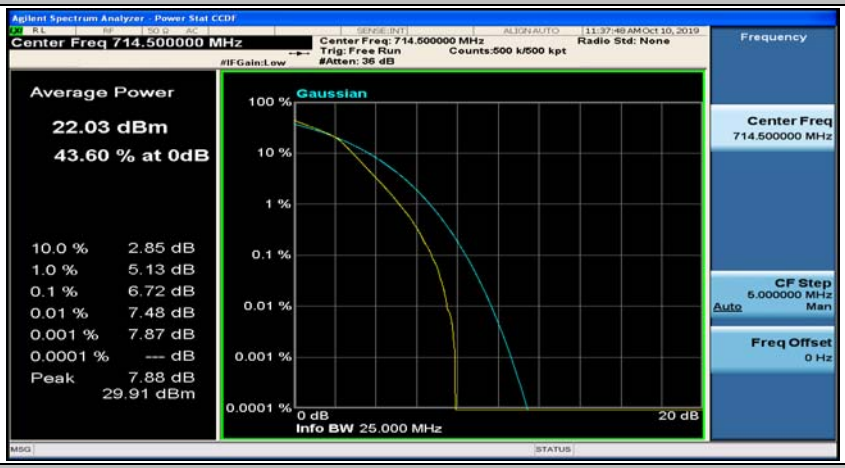
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

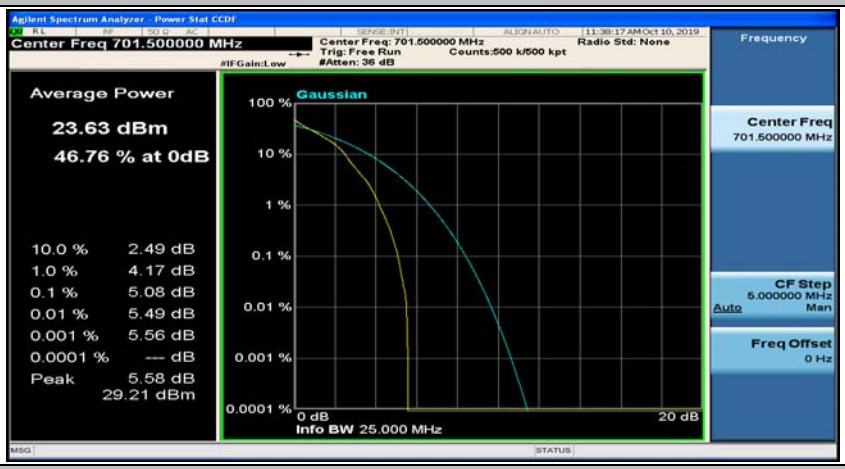


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

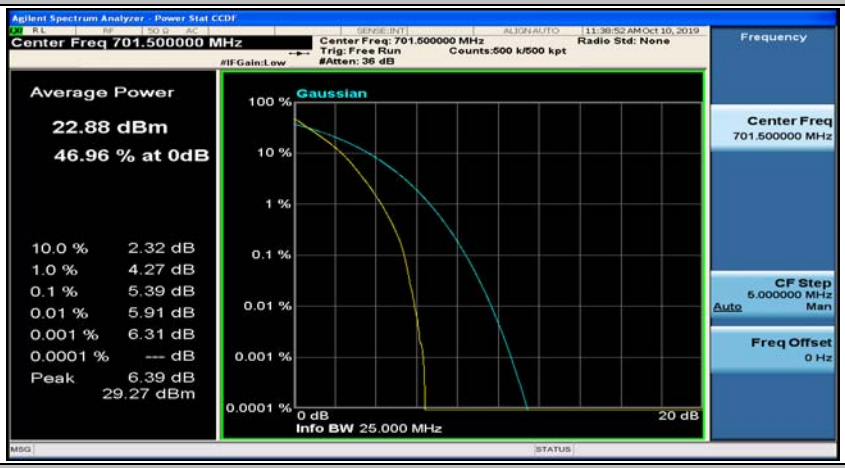
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(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

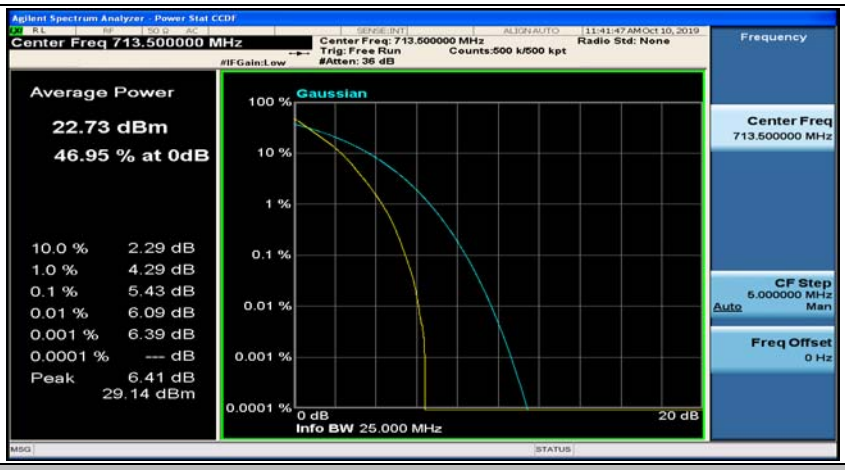
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(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

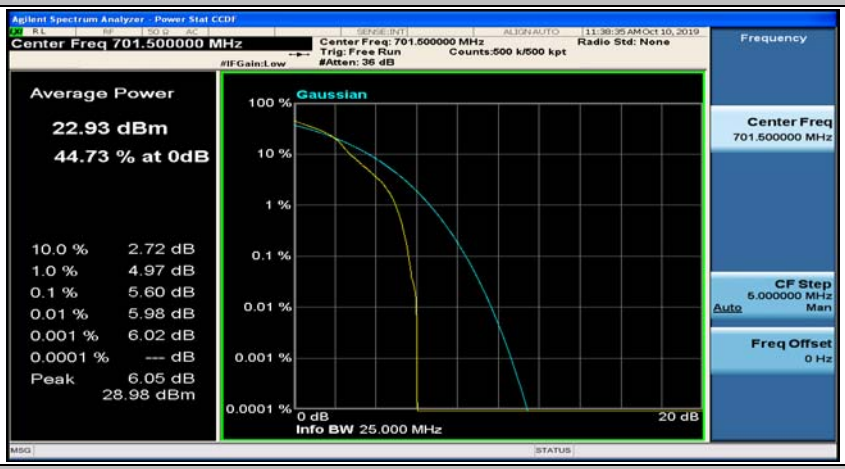


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

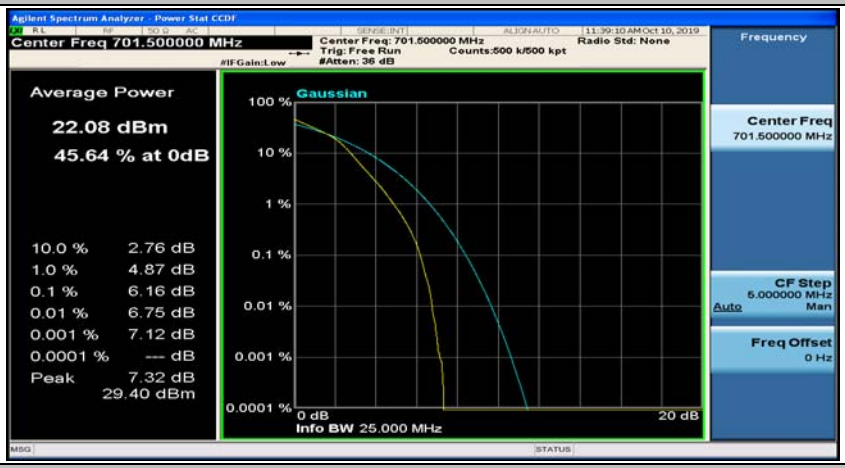
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(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