

Appendix B.2: 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	4.37	<13	PASS
		1	3	4.41	<13	PASS
		1	5	4.46	<13	PASS
		3	0	4.64	<13	PASS
		3	2	4.7	<13	PASS
		3	3	4.71	<13	PASS
		6	0	5.58	<13	PASS
	MCH	1	0	4.5	<13	PASS
		1	3	4.56	<13	PASS
		1	5	4.43	<13	PASS
		3	0	4.9	<13	PASS
		3	2	4.86	<13	PASS
		3	3	4.9	<13	PASS
		6	0	5.63	<13	PASS
	HCH	1	0	4.34	<13	PASS
		1	3	4.38	<13	PASS
		1	5	4.33	<13	PASS
		3	0	4.74	<13	PASS
		3	2	4.7	<13	PASS
		3	3	4.75	<13	PASS
		6	0	5.52	<13	PASS
16QAM	LCH	1	0	5.29	<13	PASS
		1	3	5.29	<13	PASS
		1	5	5.41	<13	PASS
		3	0	5.58	<13	PASS
		3	2	5.66	<13	PASS
		3	3	5.67	<13	PASS
		6	0	6.45	<13	PASS
	MCH	1	0	5.35	<13	PASS
		1	3	5.28	<13	PASS
		1	5	5.33	<13	PASS
		3	0	5.83	<13	PASS
		3	2	5.79	<13	PASS
		3	3	5.78	<13	PASS

	HCH	6	0	6.51	<13	PASS
		1	0	5.11	<13	PASS
		1	3	5.12	<13	PASS
		1	5	5.08	<13	PASS
		3	0	5.52	<13	PASS
		3	2	5.49	<13	PASS
		3	3	5.49	<13	PASS
		6	0	6.32	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.44	<13	PASS
		1	7	4.61	<13	PASS
		1	14	4.7	<13	PASS
		8	0	5.37	<13	PASS
		8	4	5.46	<13	PASS
		8	7	5.52	<13	PASS
		15	0	5.61	<13	PASS
	MCH	1	0	4.62	<13	PASS
		1	7	4.7	<13	PASS
		1	14	4.5	<13	PASS
		8	0	5.59	<13	PASS
		8	4	5.58	<13	PASS
		8	7	5.54	<13	PASS
		15	0	5.66	<13	PASS
	HCH	1	0	4.23	<13	PASS
		1	7	4.23	<13	PASS
		1	14	4.3	<13	PASS
		8	0	5.4	<13	PASS
		8	4	5.41	<13	PASS
		8	7	5.4	<13	PASS
		15	0	5.66	<13	PASS
16QAM	LCH	1	0	5.17	<13	PASS
		1	7	5.28	<13	PASS
		1	14	5.36	<13	PASS
		8	0	6.13	<13	PASS
		8	4	6.22	<13	PASS
		8	7	6.17	<13	PASS
		15	0	6.51	<13	PASS
	MCH	1	0	5.38	<13	PASS

		1	7	5.48	<13	PASS
		1	14	5.33	<13	PASS
		8	0	6.21	<13	PASS
		8	4	6.21	<13	PASS
		8	7	6.27	<13	PASS
		15	0	6.52	<13	PASS
	HCH	1	0	5.12	<13	PASS
		1	7	5.07	<13	PASS
		1	14	5.07	<13	PASS
		8	0	6.1	<13	PASS
		8	4	6.08	<13	PASS
		8	7	6.12	<13	PASS
		15	0	6.38	<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	4.22	<13	PASS
		1	12	4.43	<13	PASS
		1	24	4.59	<13	PASS
		12	0	5.37	<13	PASS
		12	6	5.44	<13	PASS
		12	13	5.56	<13	PASS
		25	0	5.63	<13	PASS
	MCH	1	0	4.46	<13	PASS
		1	12	4.42	<13	PASS
		1	24	4.35	<13	PASS
		12	0	5.49	<13	PASS
		12	6	5.44	<13	PASS
		12	13	5.45	<13	PASS
		25	0	5.64	<13	PASS
	HCH	1	0	4.13	<13	PASS
		1	12	4.21	<13	PASS
		1	24	4.23	<13	PASS
		12	0	5.35	<13	PASS
		12	6	5.34	<13	PASS
		12	13	5.34	<13	PASS
		25	0	5.54	<13	PASS
16QAM	LCH	1	0	4.97	<13	PASS
		1	12	5.2	<13	PASS
		1	24	5.4	<13	PASS

		12	0	6.21	<13	PASS
		12	6	6.26	<13	PASS
		12	13	6.39	<13	PASS
		25	0	6.41	<13	PASS
	MCH	1	0	5.22	<13	PASS
		1	12	5.15	<13	PASS
		1	24	5.09	<13	PASS
		12	0	6.31	<13	PASS
		12	6	6.24	<13	PASS
		12	13	6.25	<13	PASS
		25	0	6.45	<13	PASS
	HCH	1	0	4.93	<13	PASS
		1	12	4.9	<13	PASS
		1	24	4.9	<13	PASS
		12	0	6.29	<13	PASS
		12	6	6.23	<13	PASS
		12	13	6.27	<13	PASS
		25	0	6.34	<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	4.27	<13	PASS
		1	24	4.72	<13	PASS
		1	49	4.78	<13	PASS
		25	0	5.48	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.65	<13	PASS
		50	0	5.61	<13	PASS
	MCH	1	0	4.59	<13	PASS
		1	24	4.46	<13	PASS
		1	49	4.22	<13	PASS
		25	0	5.48	<13	PASS
		25	12	5.48	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.54	<13	PASS
	HCH	1	0	3.96	<13	PASS
		1	24	4.17	<13	PASS
		1	49	4.1	<13	PASS
		25	0	5.27	<13	PASS
		25	12	5.36	<13	PASS

		25	25	5.35	<13	PASS
		50	0	5.48	<13	PASS
16QAM	LCH	1	0	5.06	<13	PASS
		1	24	5.41	<13	PASS
		1	49	5.56	<13	PASS
		25	0	6.32	<13	PASS
		25	12	6.42	<13	PASS
		25	25	6.51	<13	PASS
		50	0	6.35	<13	PASS
	MCH	1	0	5.24	<13	PASS
		1	24	5.29	<13	PASS
		1	49	5.28	<13	PASS
		25	0	6.34	<13	PASS
		25	12	6.34	<13	PASS
		25	25	6.27	<13	PASS
		50	0	6.28	<13	PASS
	HCH	1	0	4.83	<13	PASS
		1	24	4.97	<13	PASS
		1	49	5.01	<13	PASS
		25	0	6.12	<13	PASS
		25	12	6.17	<13	PASS
		25	25	6.24	<13	PASS
		50	0	6.19	<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	7.81	<13	PASS
		1	37	4.81	<13	PASS
		1	74	8.89	<13	PASS
		37	0	4.72	<13	PASS
		37	18	5.61	<13	PASS
		37	38	4.96	<13	PASS
		75	0	5	<13	PASS
	MCH	1	0	7.71	<13	PASS
		1	37	4.45	<13	PASS
		1	74	9.13	<13	PASS
		37	0	4.7	<13	PASS
		37	18	5.46	<13	PASS
		37	38	4.89	<13	PASS
		75	0	4.94	<13	PASS

	HCH	1	0	7.95	<13	PASS
		1	37	3.98	<13	PASS
		1	74	9.36	<13	PASS
		37	0	4.55	<13	PASS
		37	18	5.25	<13	PASS
		37	38	4.79	<13	PASS
		75	0	4.93	<13	PASS
16QAM	LCH	1	0	7.97	<13	PASS
		1	37	5.59	<13	PASS
		1	74	9.79	<13	PASS
		37	0	6.05	<13	PASS
		37	18	6.42	<13	PASS
		37	38	6.18	<13	PASS
		75	0	6.4	<13	PASS
	MCH	1	0	8.43	<13	PASS
		1	37	5.23	<13	PASS
		1	74	10.16	<13	PASS
		37	0	6	<13	PASS
		37	18	6.25	<13	PASS
		37	38	6.12	<13	PASS
		75	0	6.3	<13	PASS
	HCH	1	0	8.45	<13	PASS
		1	37	5.17	<13	PASS
		1	74	10.26	<13	PASS
		37	0	5.88	<13	PASS
		37	18	6.16	<13	PASS
		37	38	6.07	<13	PASS
		75	0	6.28	<13	PASS

Channel Bandwidth: 20 MHz

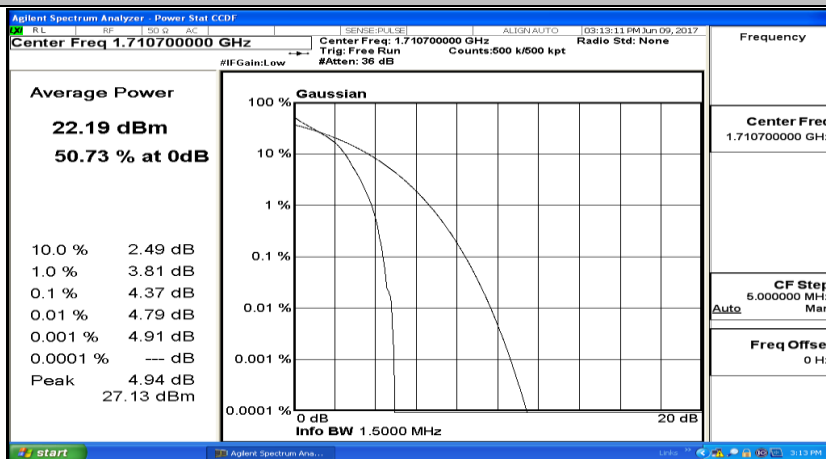
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	9.43	<13	PASS
		1	49	4.57	<13	PASS
		1	99	9.7	<13	PASS
		50	0	5.53	<13	PASS
		50	25	5.64	<13	PASS
		50	50	5.91	<13	PASS
		100	0	5.67	<13	PASS
	MCH	1	0	9.69	<13	PASS
		1	49	4.19	<13	PASS

		1	99	9.99	<13	PASS
		50	0	5.51	<13	PASS
		50	25	5.48	<13	PASS
		50	50	5.91	<13	PASS
		100	0	5.72	<13	PASS
	HCH	1	0	8.94	<13	PASS
		1	49	3.91	<13	PASS
		1	99	8.7	<13	PASS
		50	0	5.41	<13	PASS
		50	25	5.32	<13	PASS
		50	50	5.85	<13	PASS
		100	0	5.65	<13	PASS
16QAM	LCH	1	0	10.02	<13	PASS
		1	49	5.4	<13	PASS
		1	99	10.12	<13	PASS
		50	0	6.63	<13	PASS
		50	25	6.39	<13	PASS
		50	50	6.74	<13	PASS
		100	0	6.84	<13	PASS
	MCH	1	0	10.01	<13	PASS
		1	49	5.18	<13	PASS
		1	99	9.98	<13	PASS
		50	0	6.65	<13	PASS
		50	25	6.31	<13	PASS
		50	50	6.83	<13	PASS
		100	0	6.86	<13	PASS
	HCH	1	0	9.1	<13	PASS
		1	49	4.68	<13	PASS
		1	99	9.31	<13	PASS
		50	0	6.5	<13	PASS
		50	25	6.12	<13	PASS
		50	50	6.65	<13	PASS
		100	0	6.62	<13	PASS

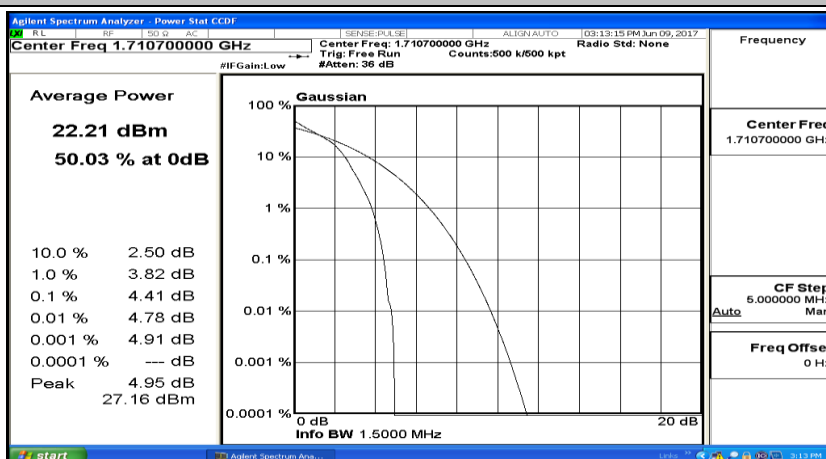
Test Graphs

Channel Bandwidth: 1.4 MHz

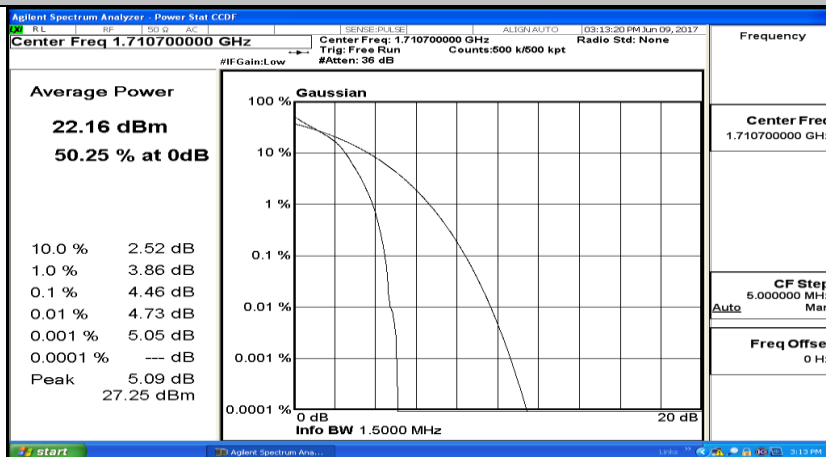
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



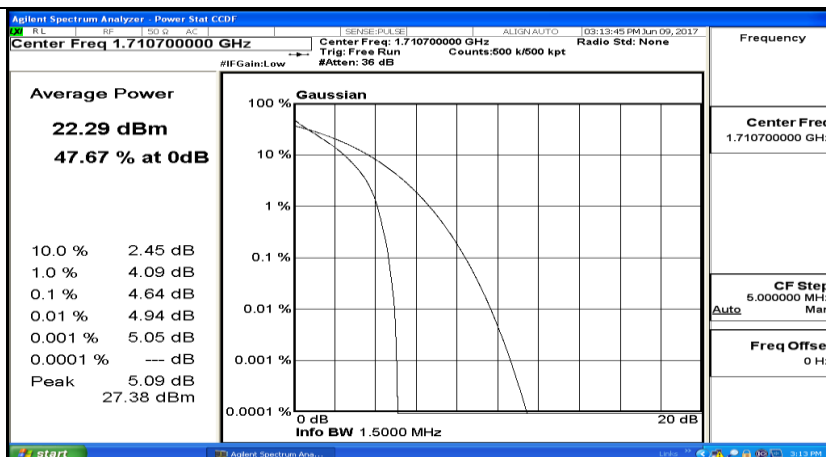
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



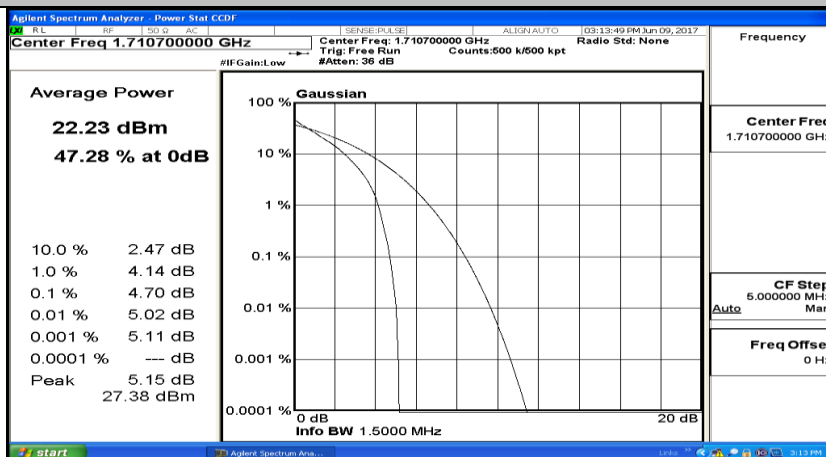
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



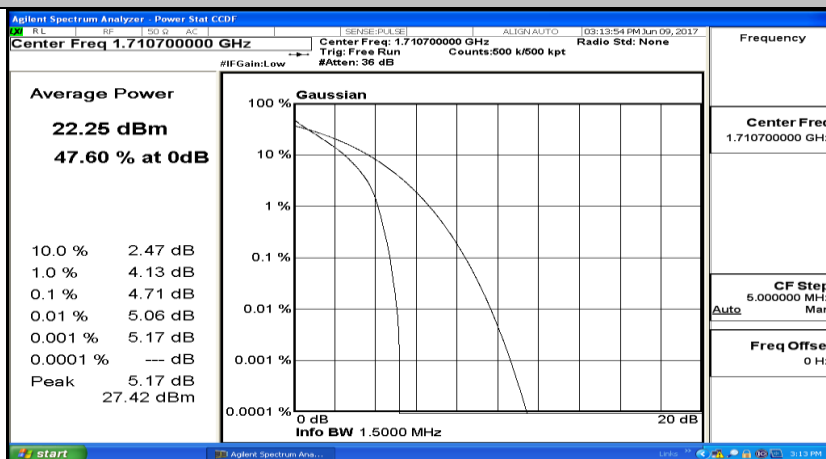
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



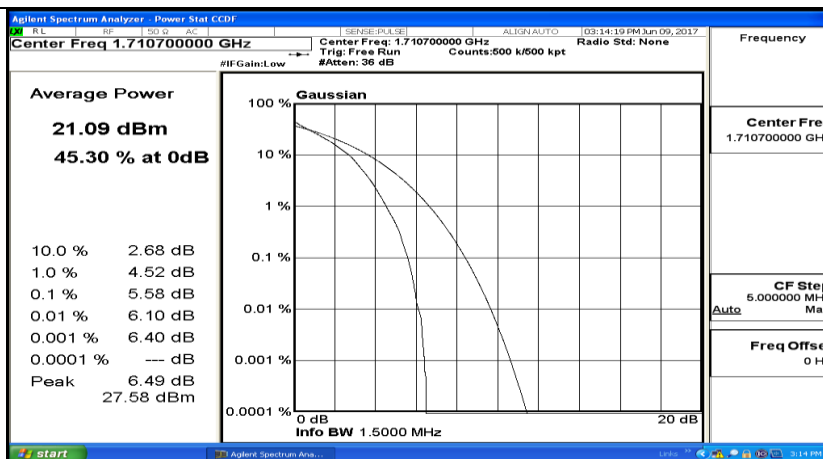
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



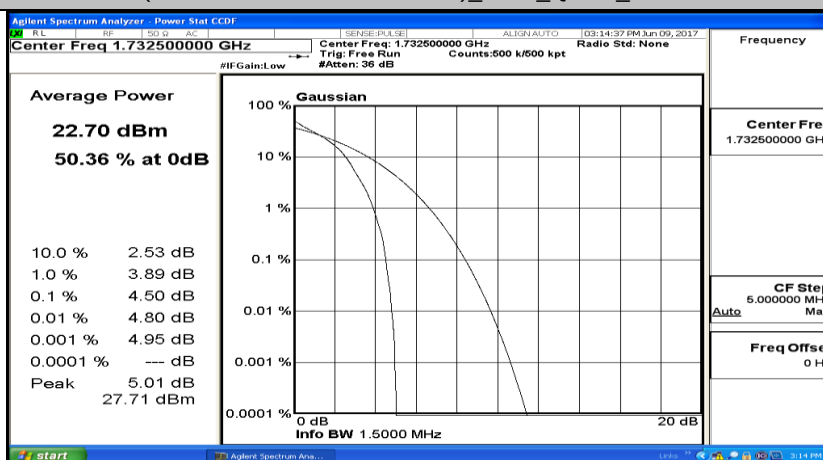
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



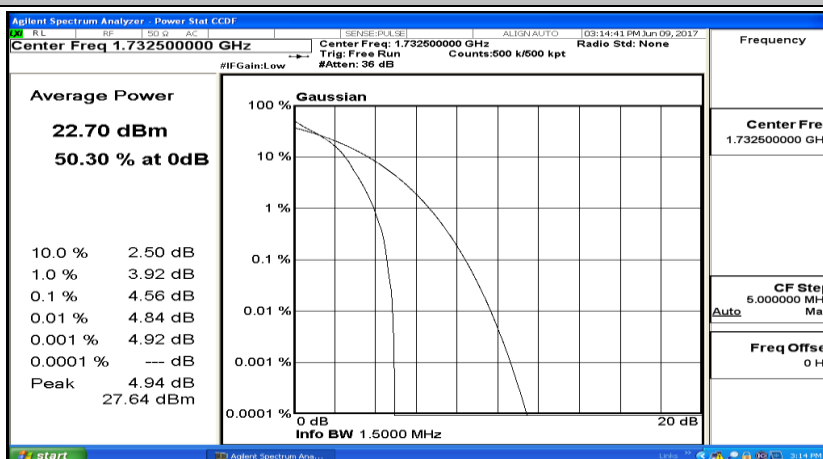
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



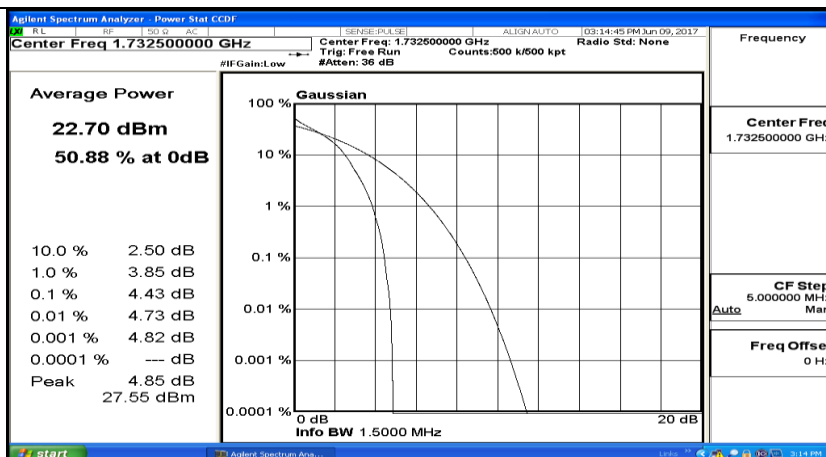
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



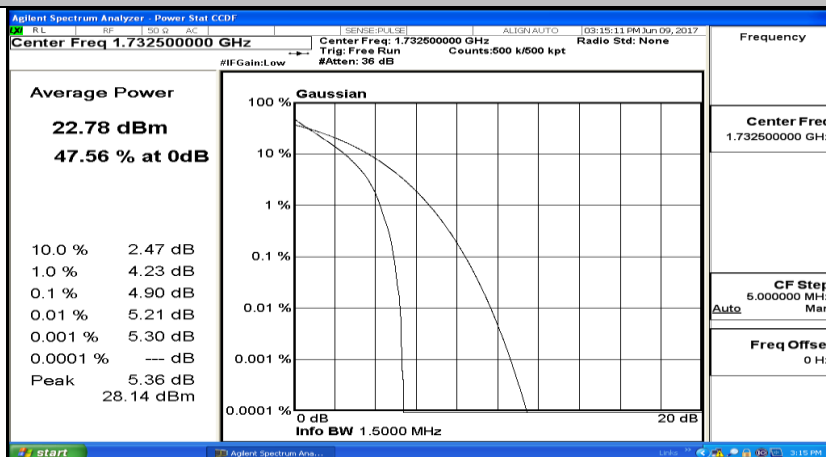
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



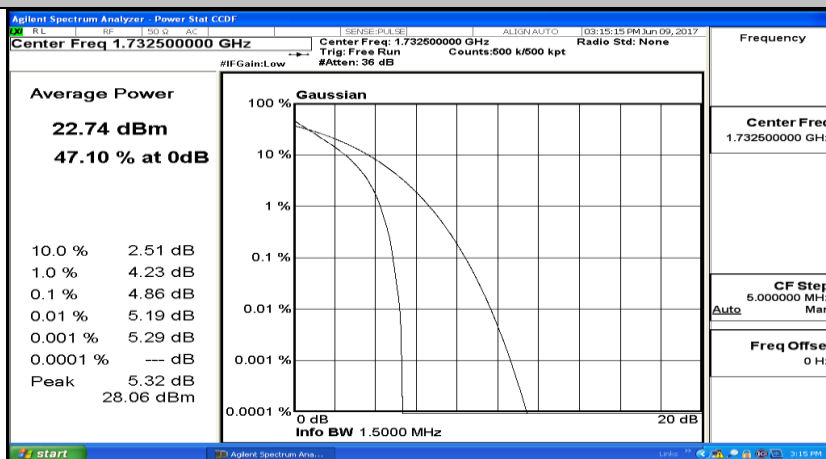
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



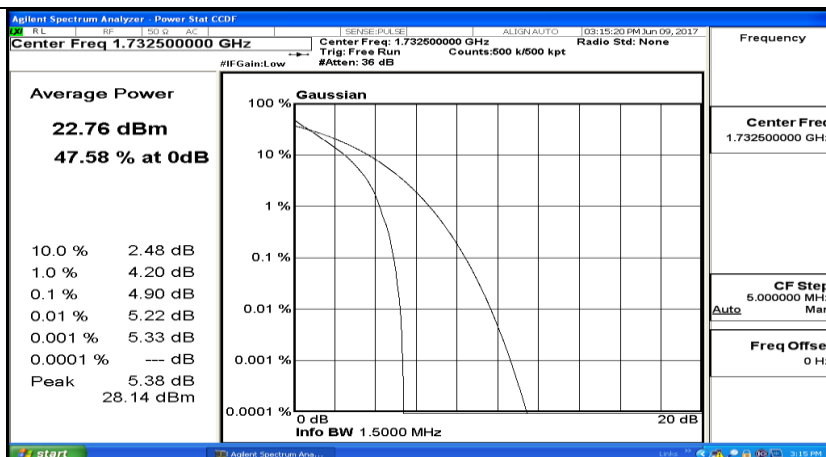
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



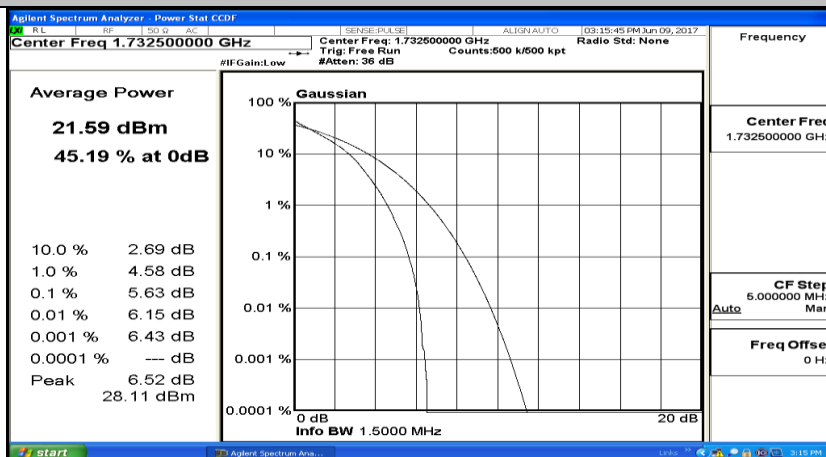
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



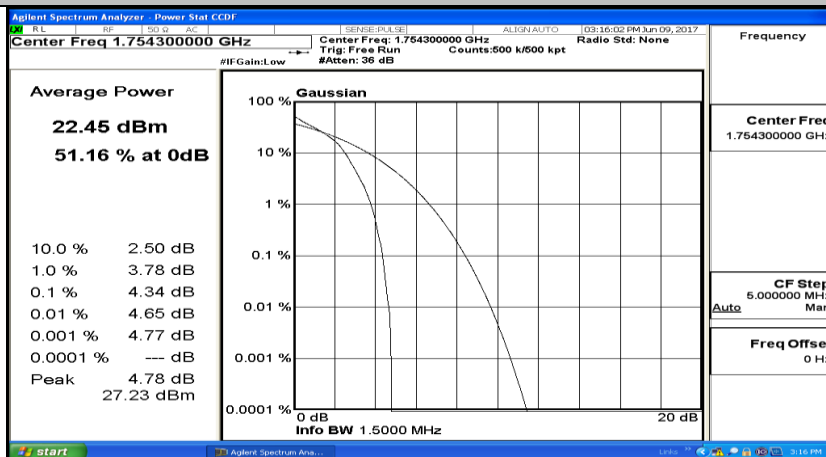
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



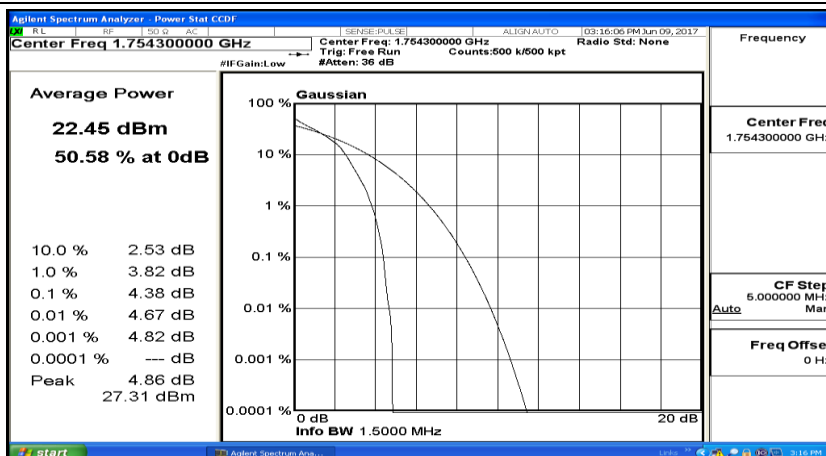
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



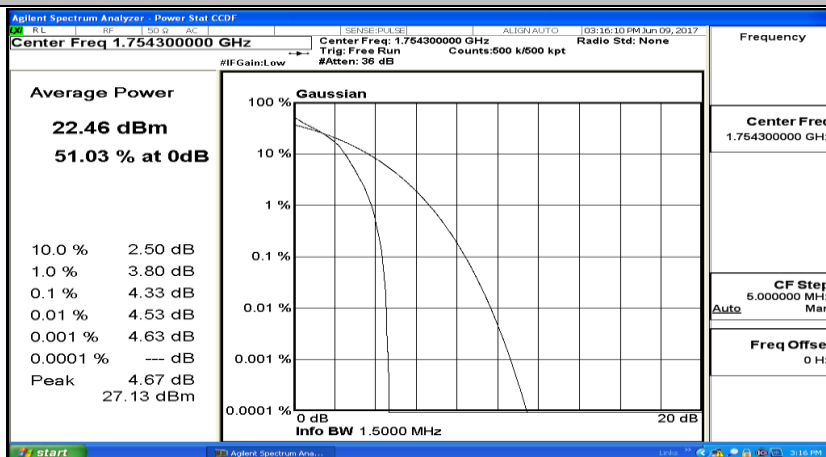
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



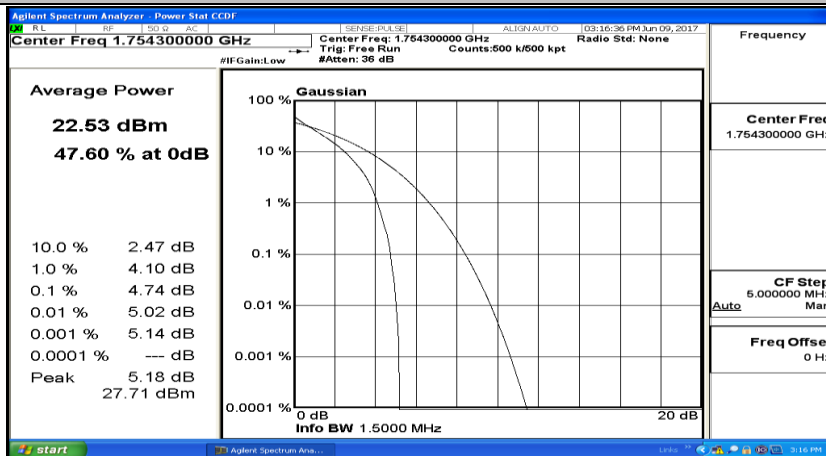
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



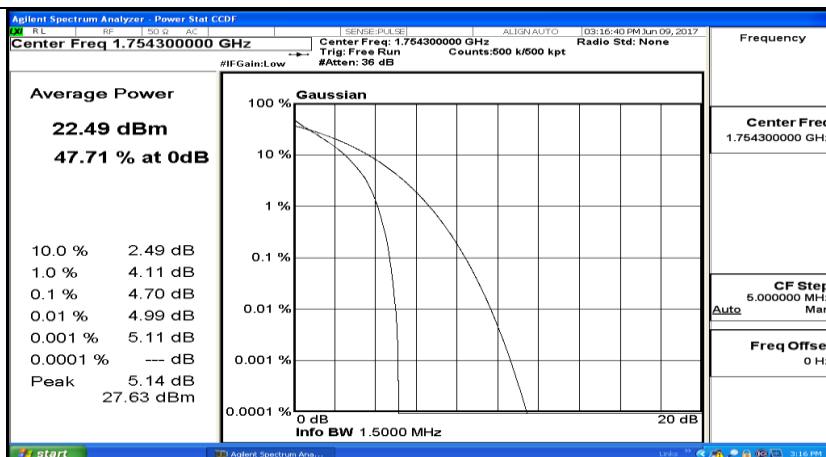
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



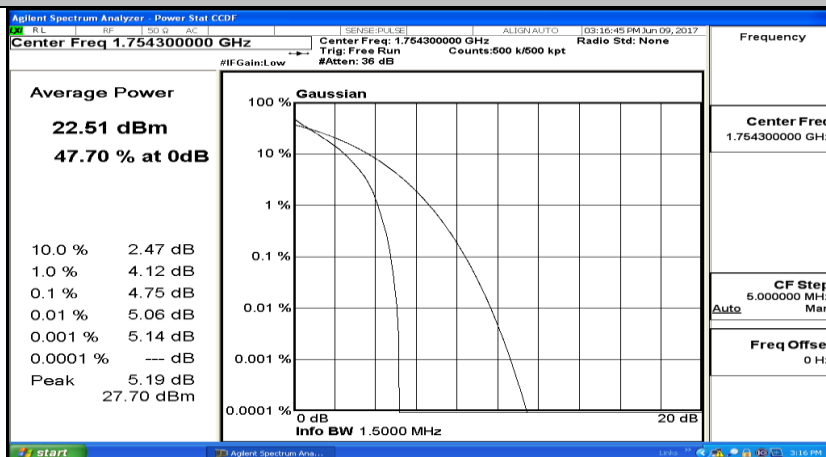
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



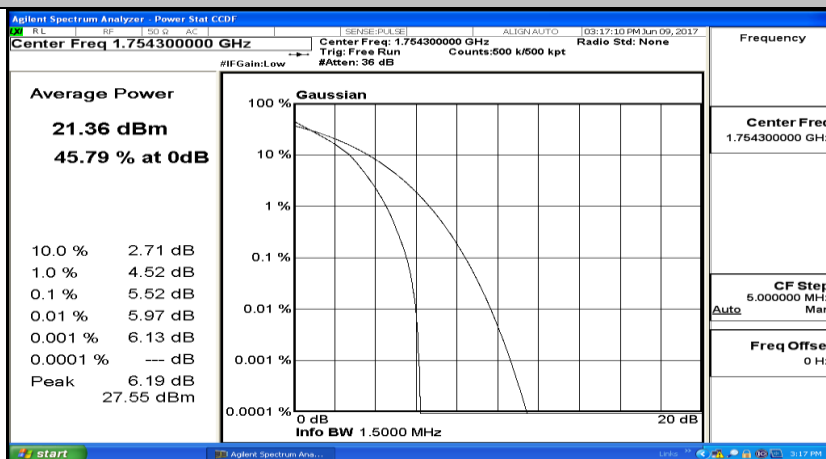
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



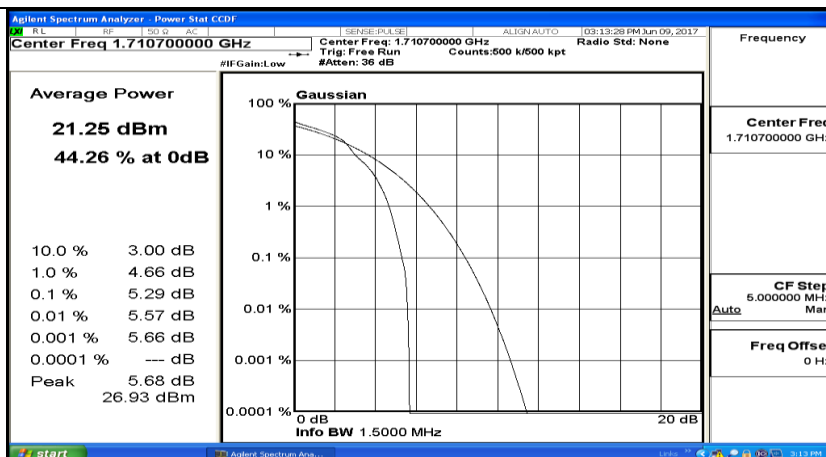
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



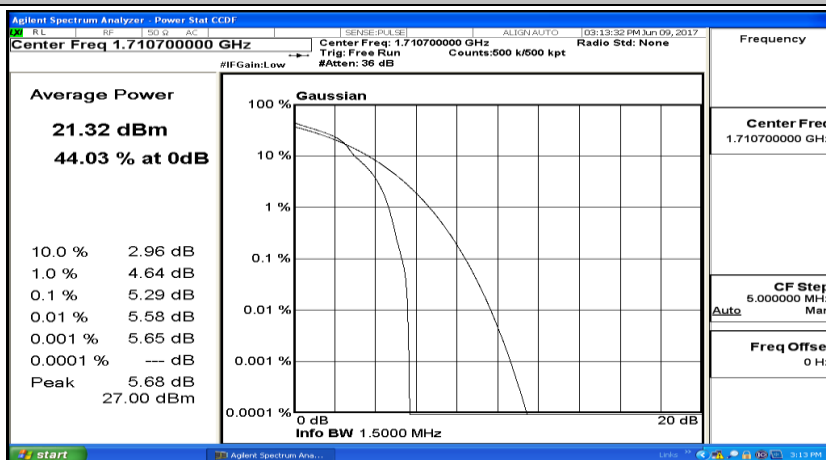
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



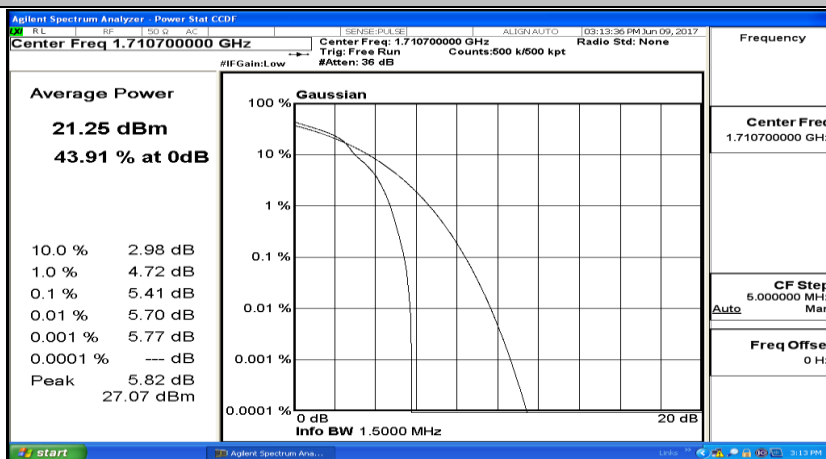
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



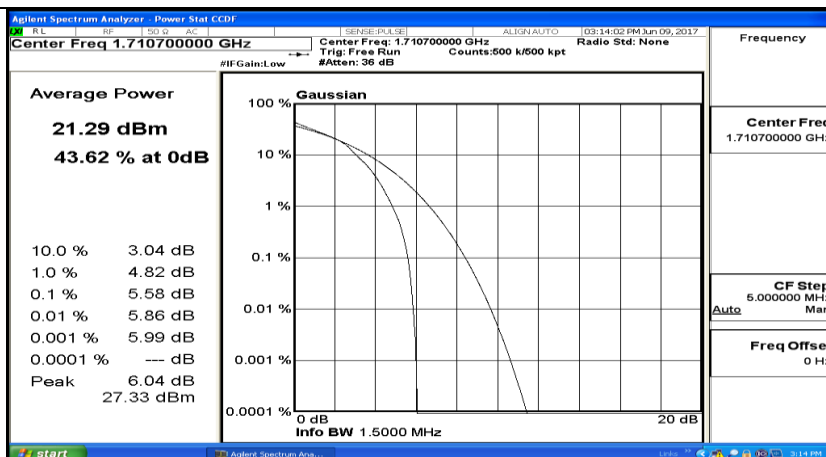
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



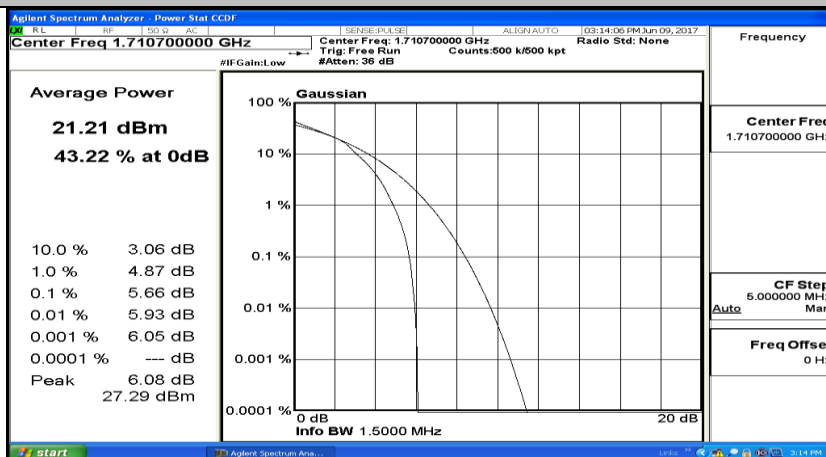
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



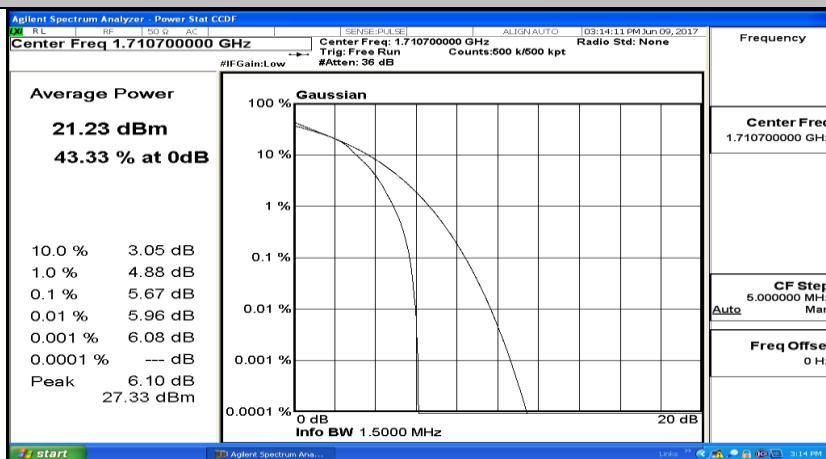
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



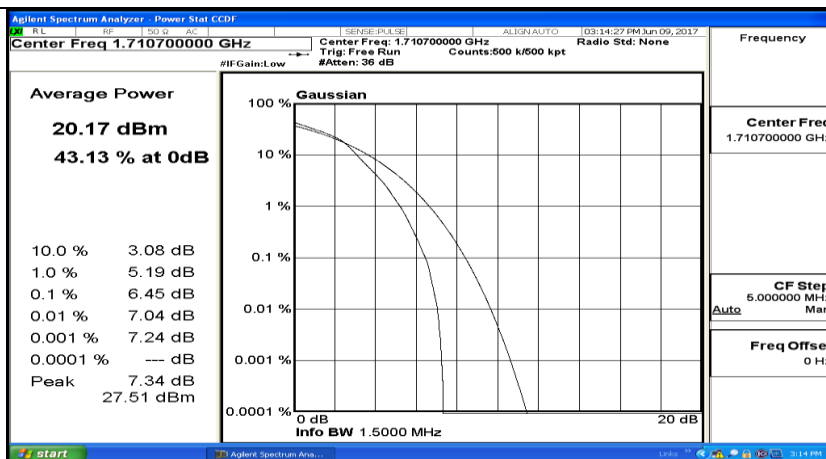
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



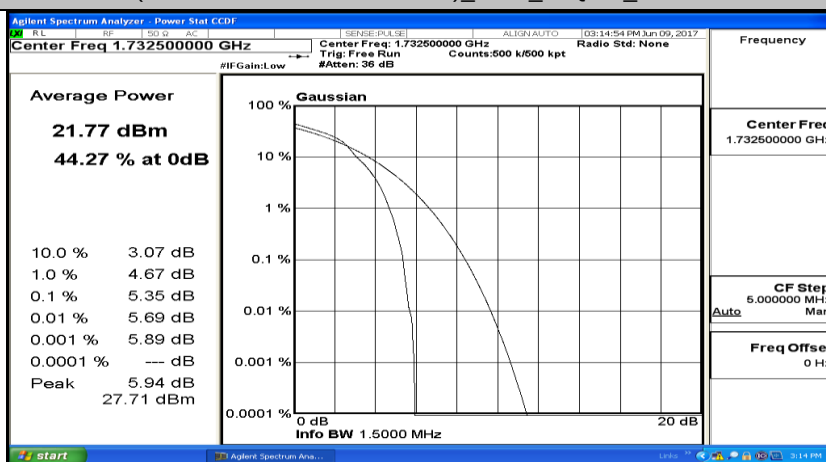
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



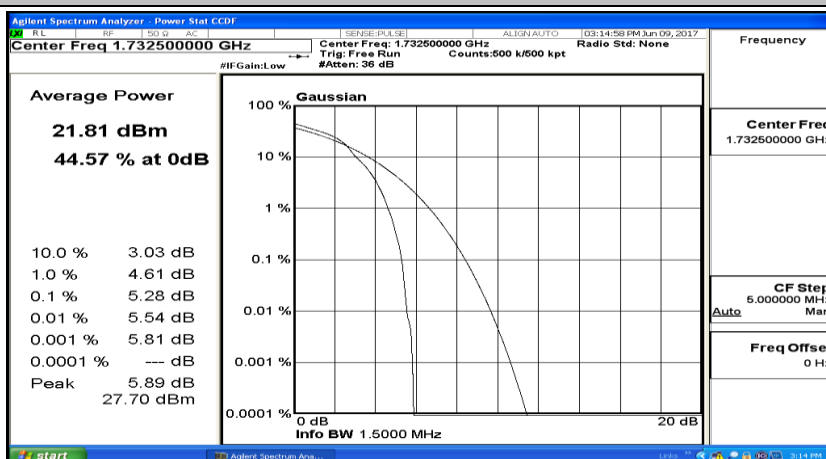
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



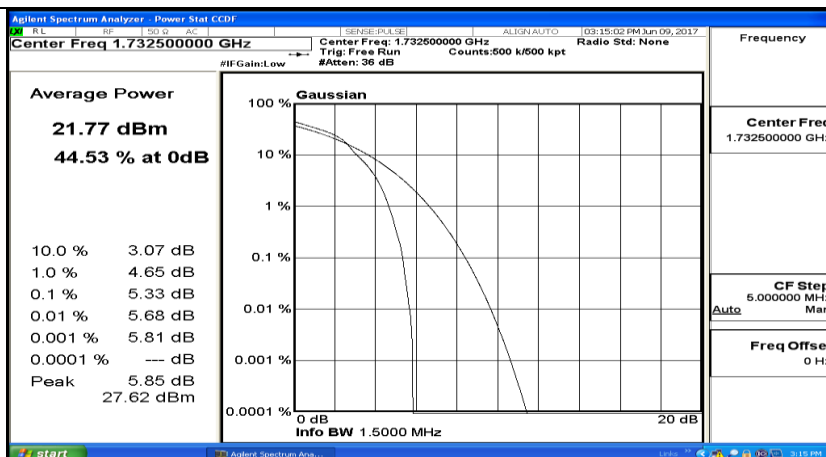
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



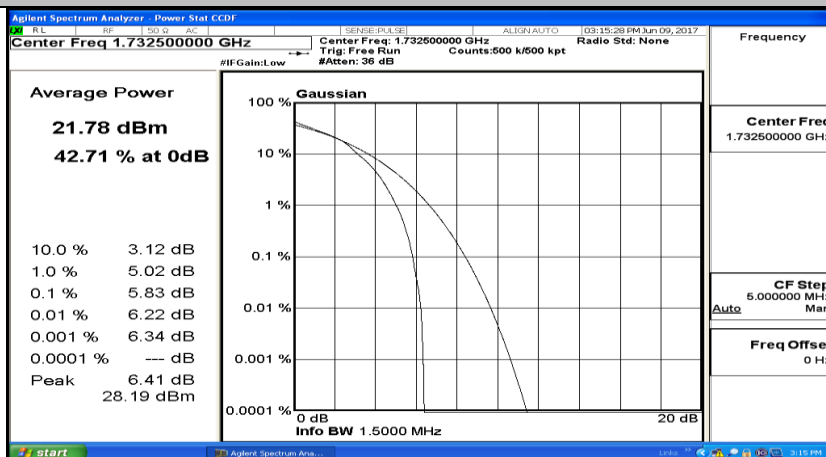
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



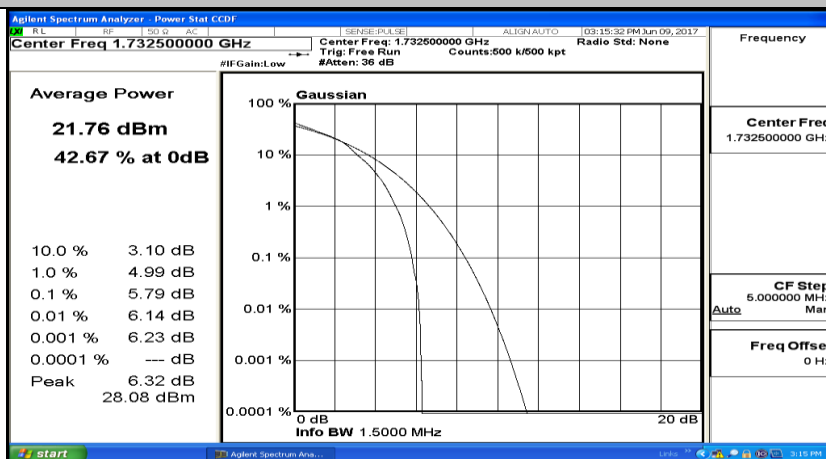
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



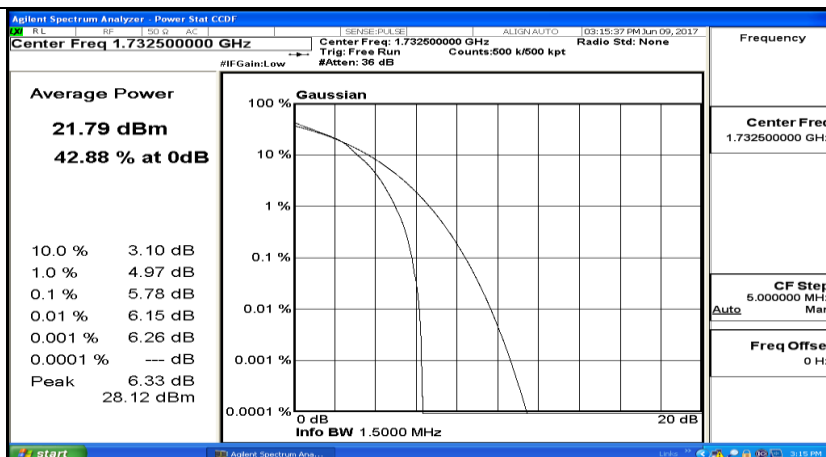
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



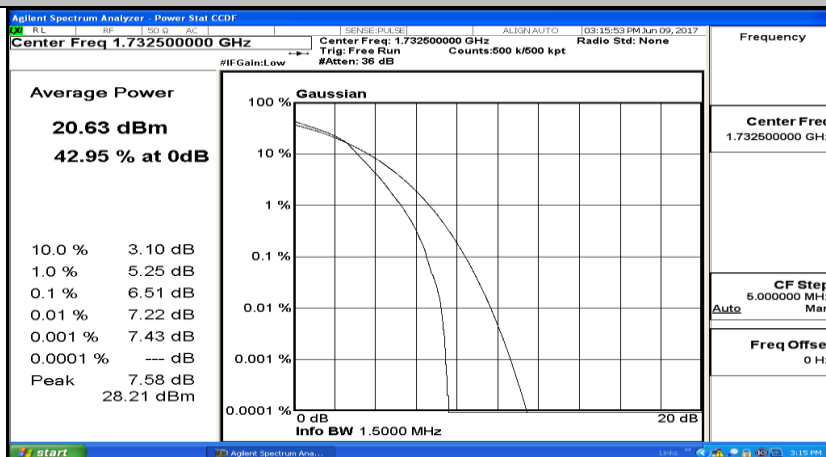
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



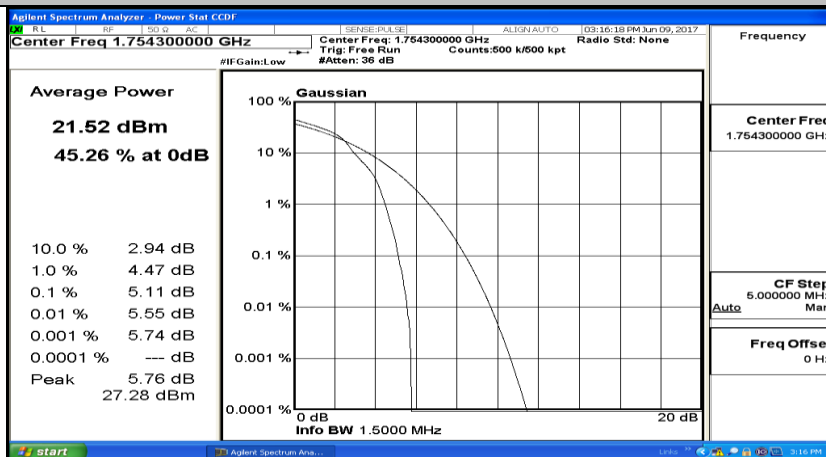
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



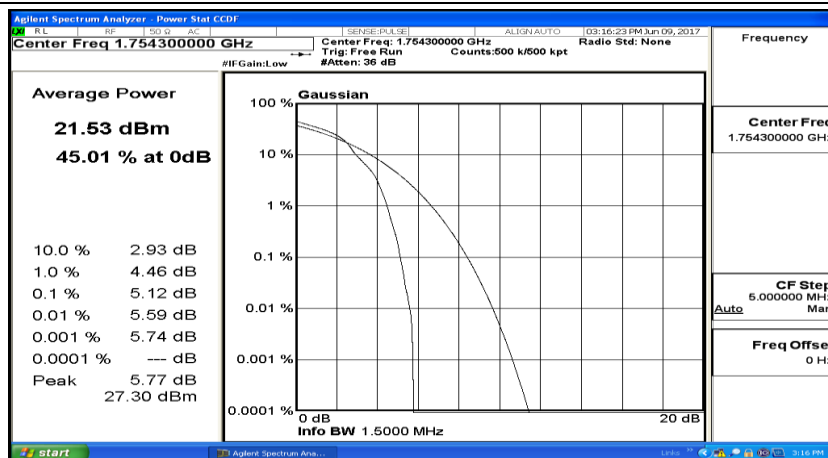
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



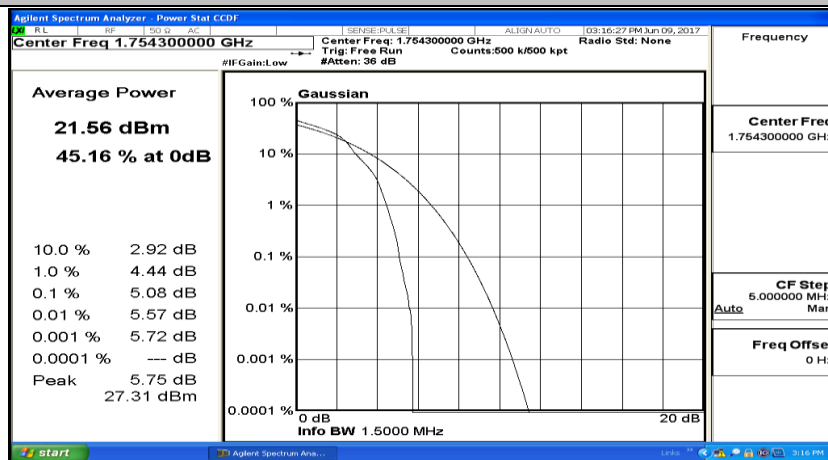
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



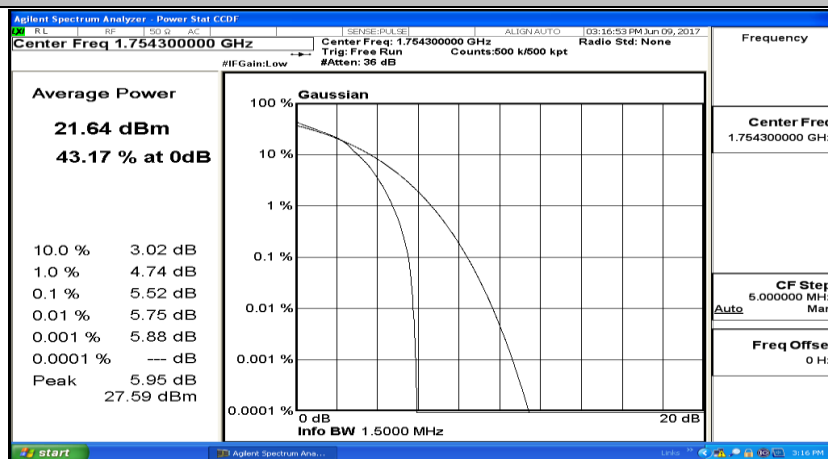
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



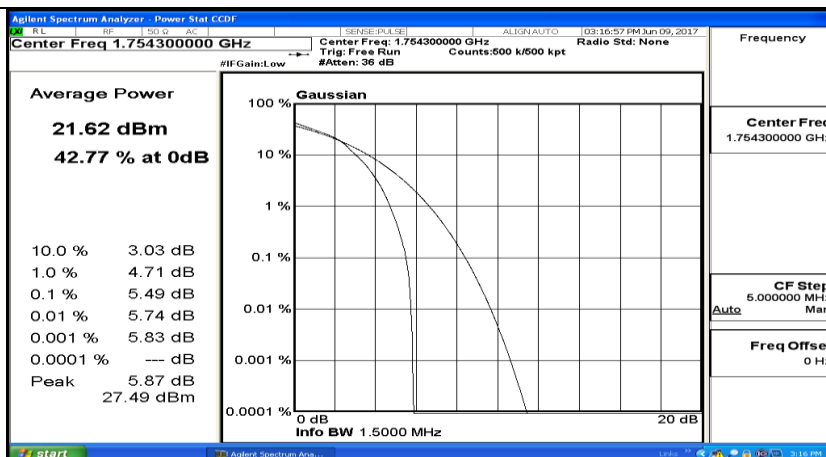
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



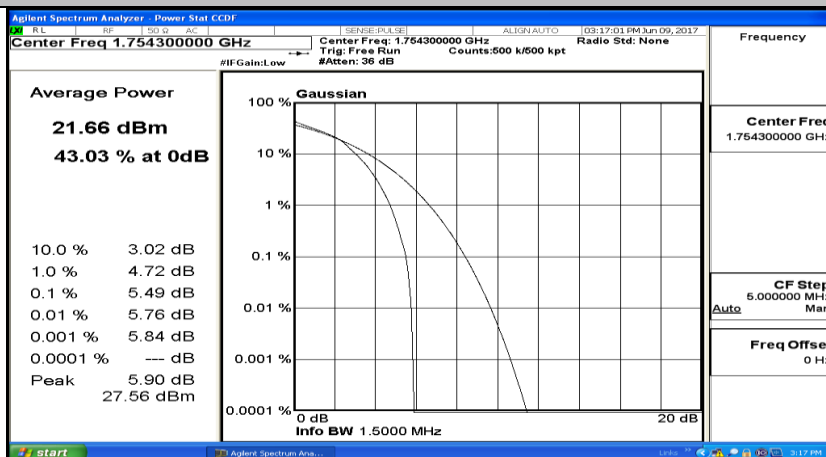
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



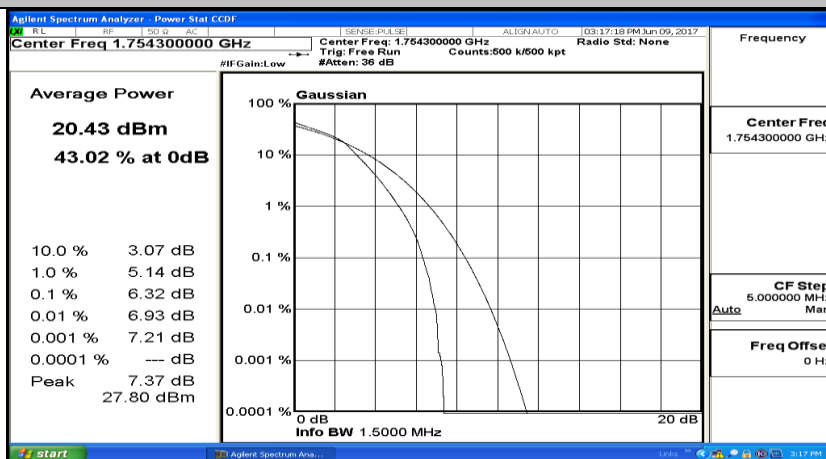
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

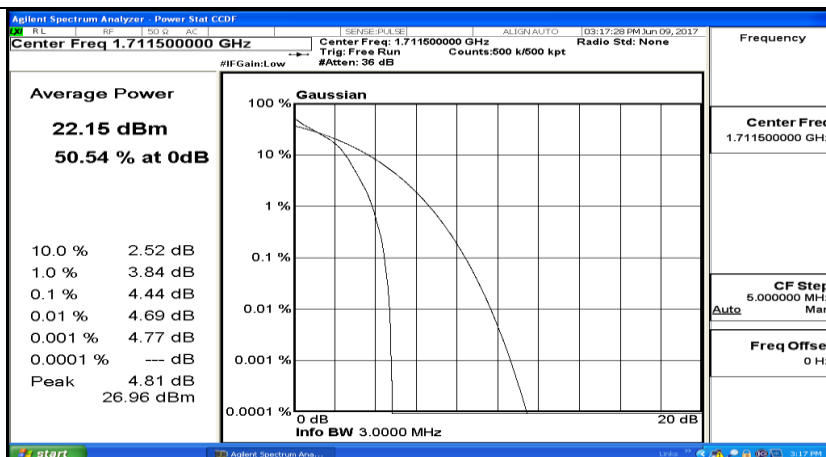


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

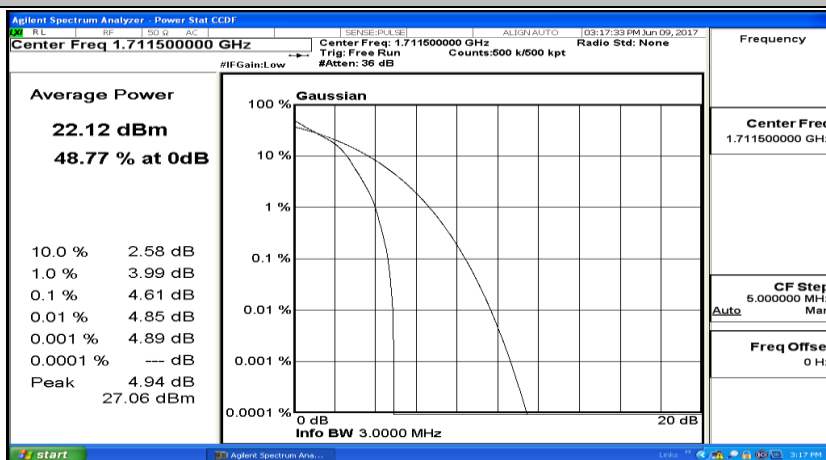


Channel Bandwidth: 3 MHz

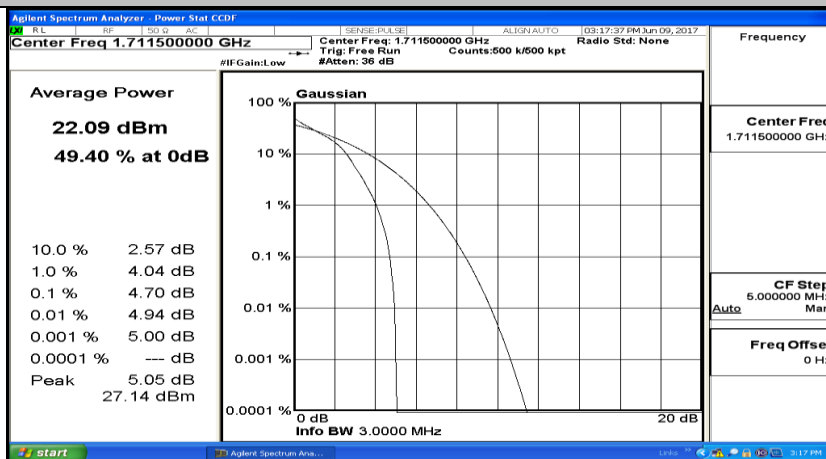
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



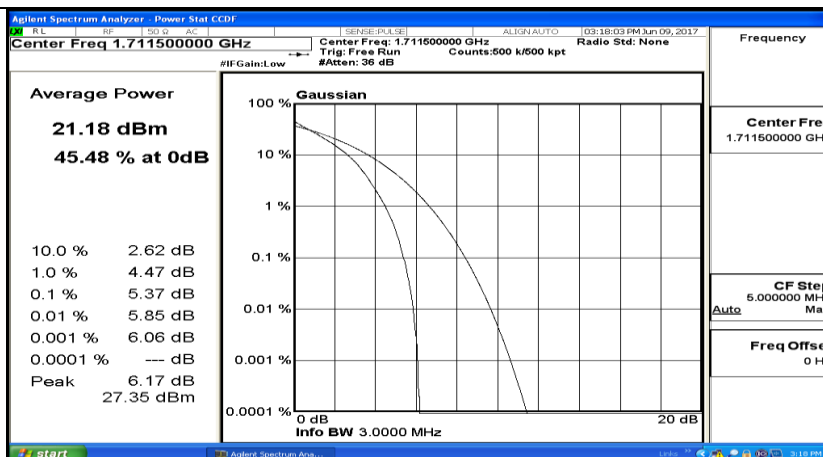
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



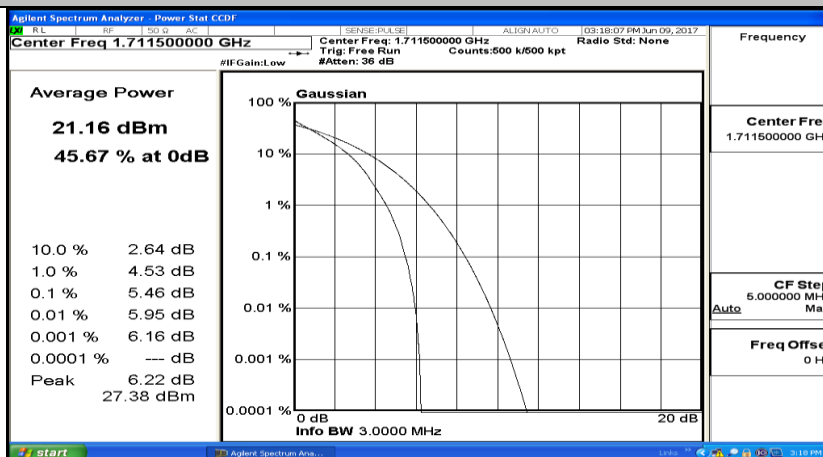
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



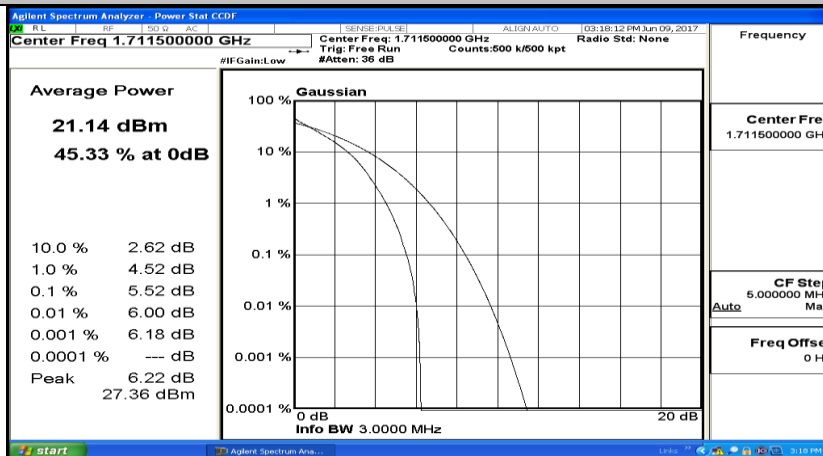
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



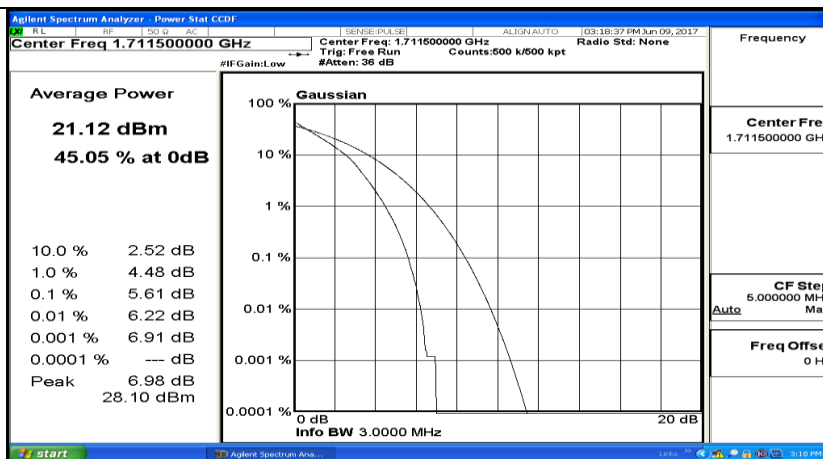
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



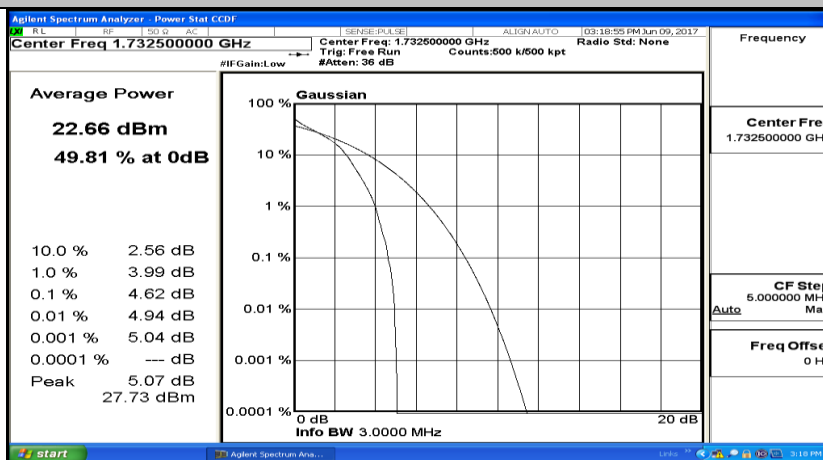
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



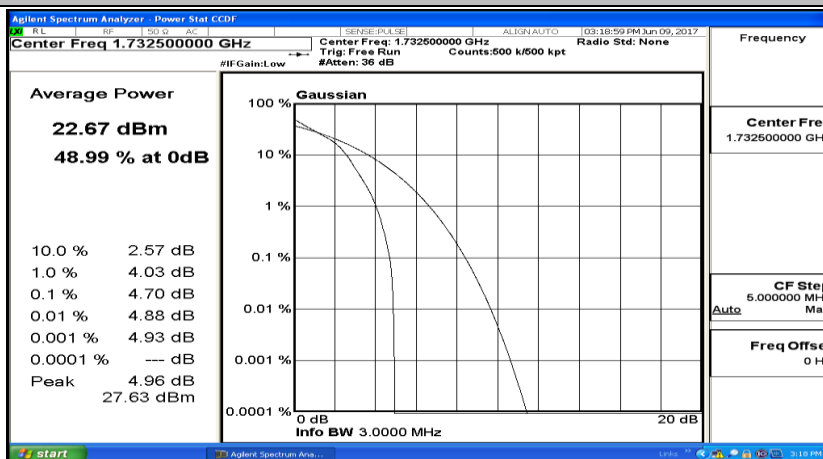
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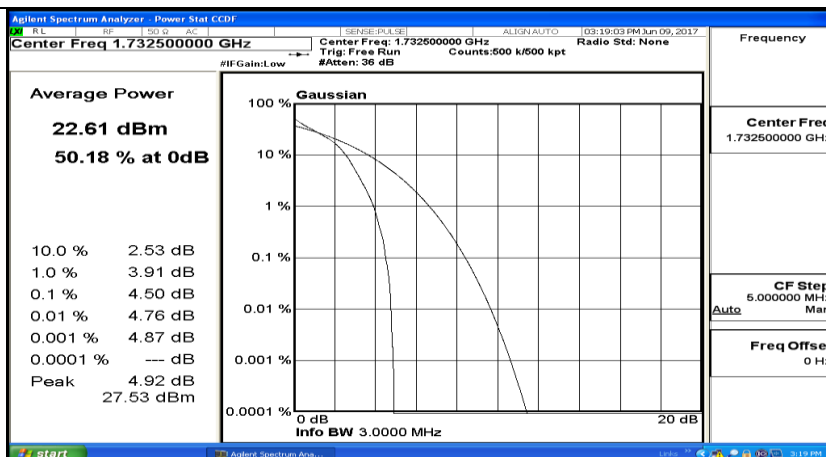
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



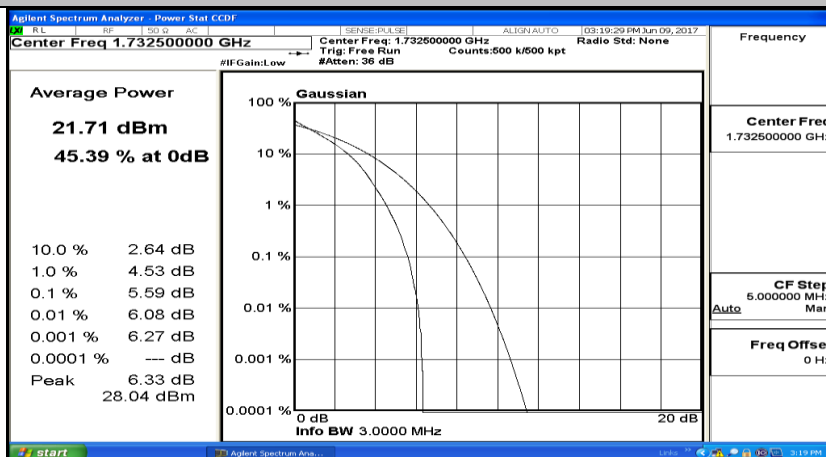
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



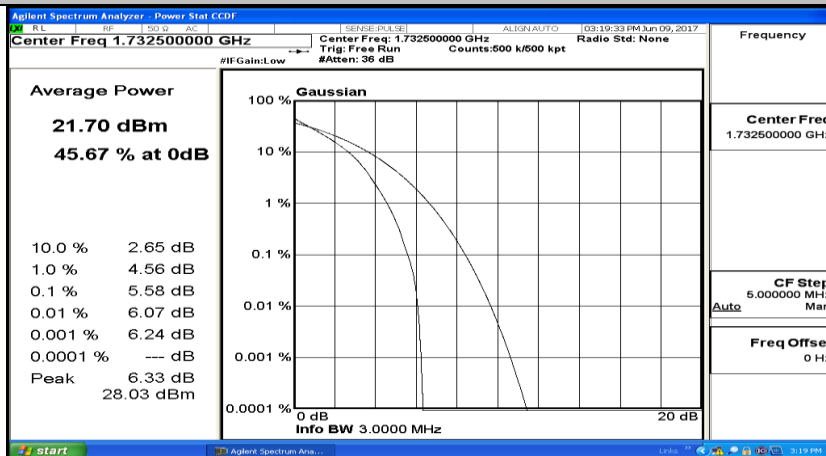
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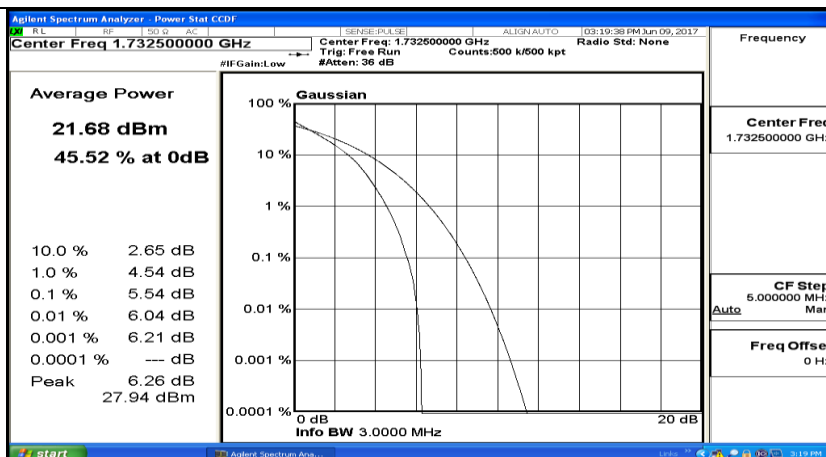
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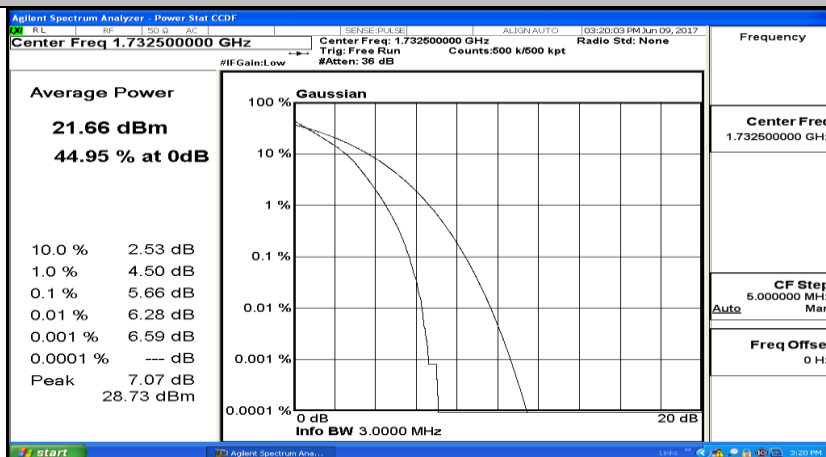
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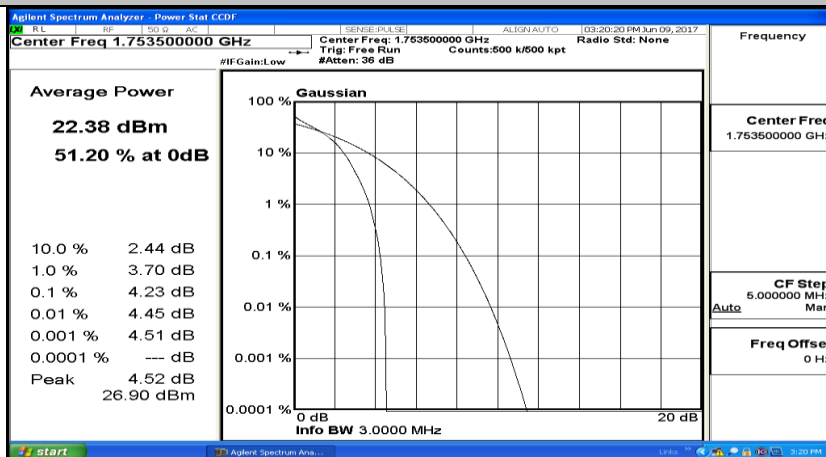
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



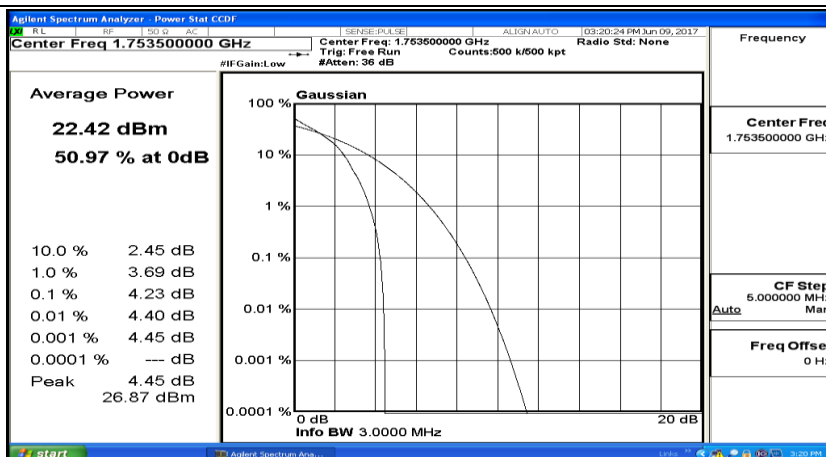
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



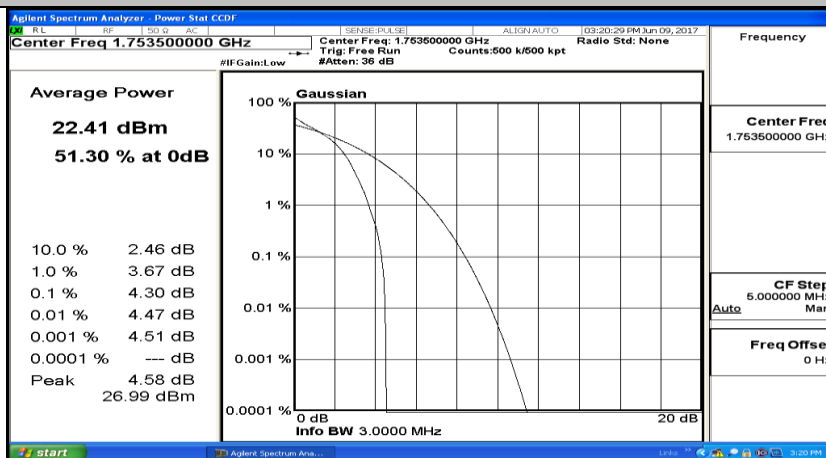
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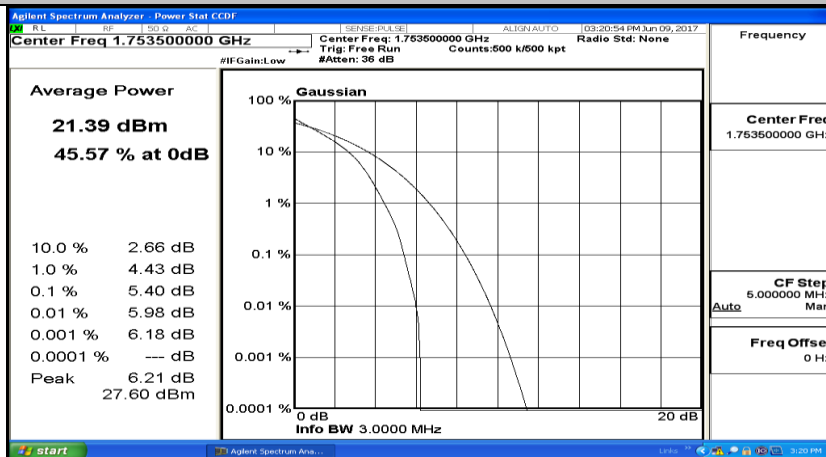
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



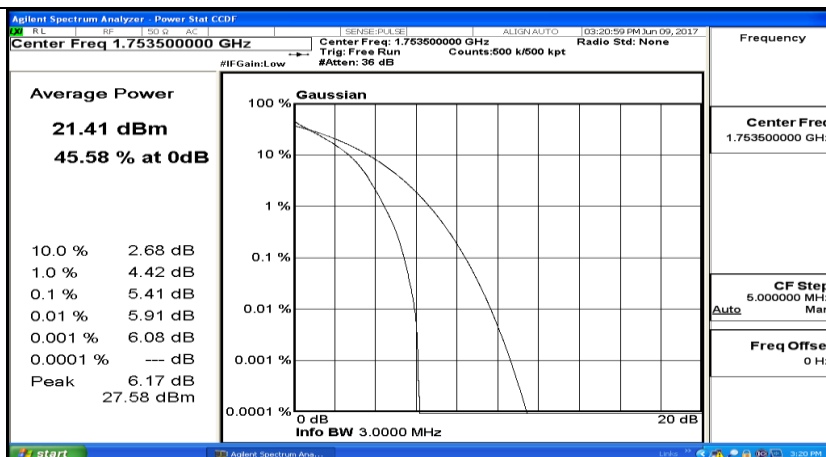
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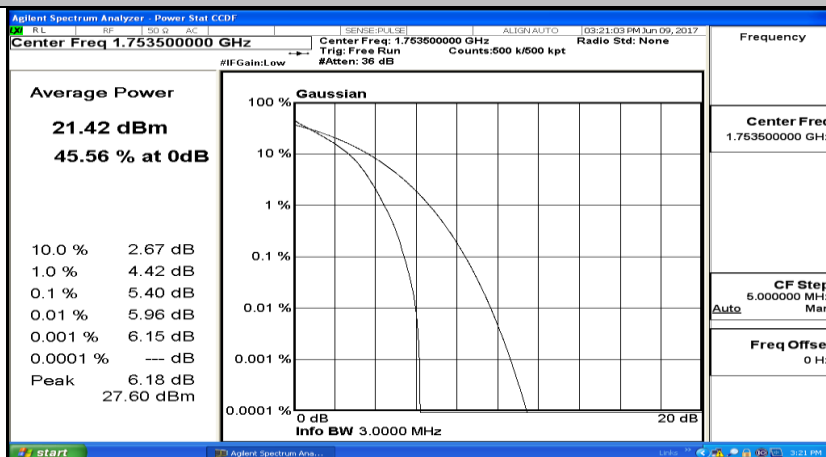
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



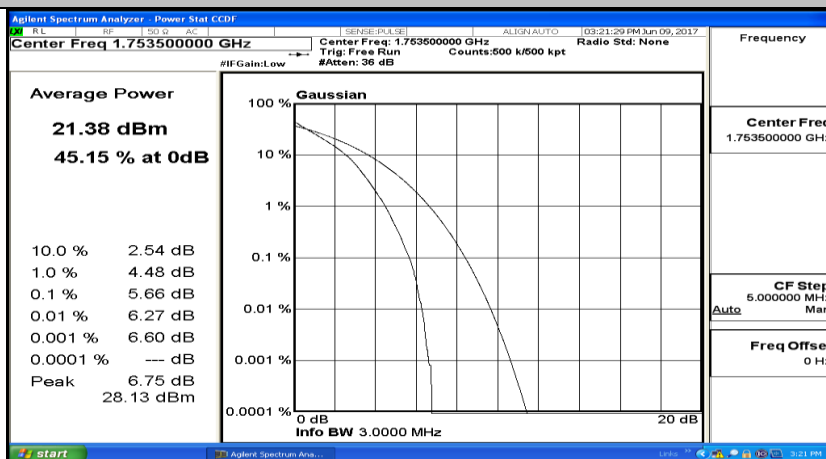
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



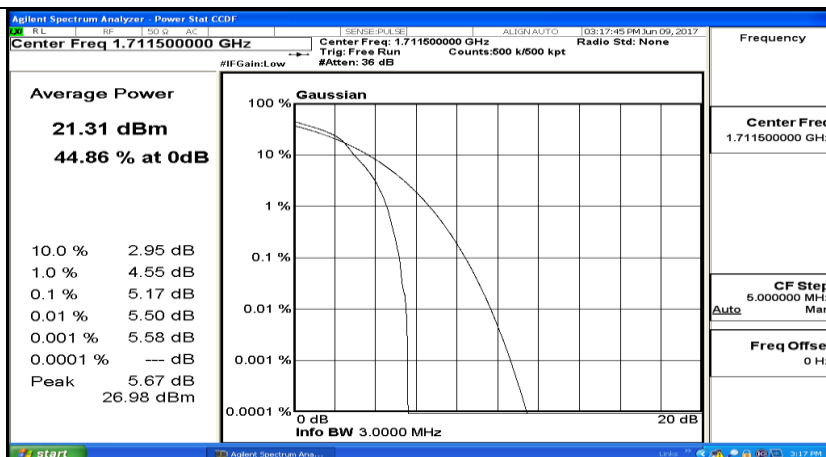
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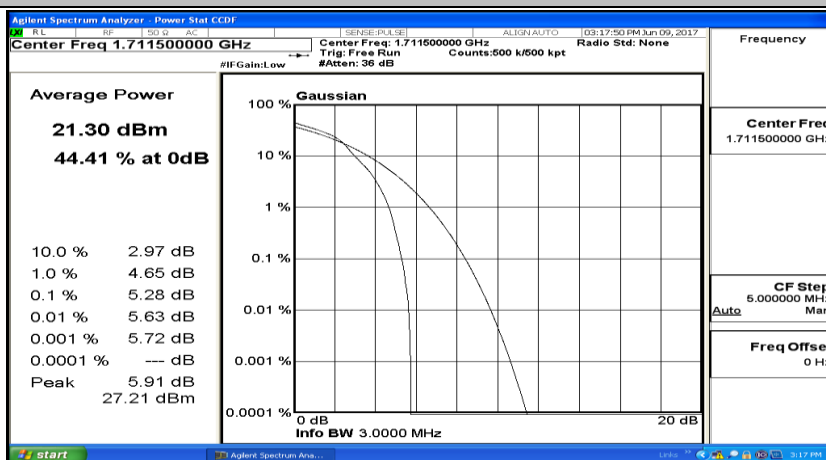
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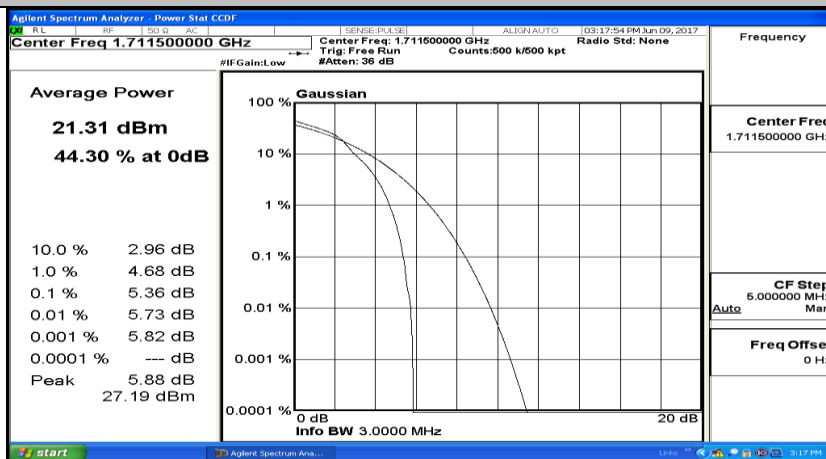
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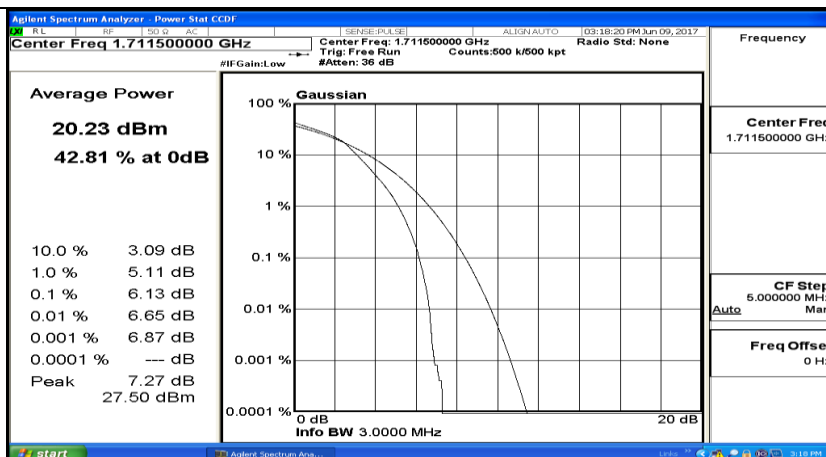
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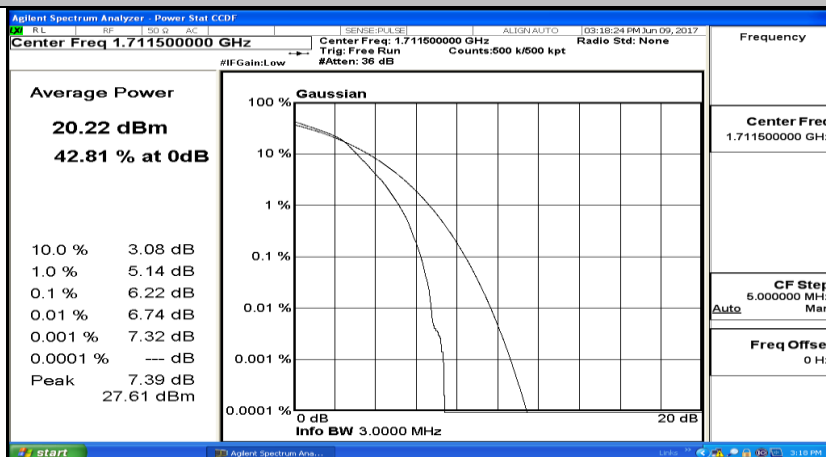
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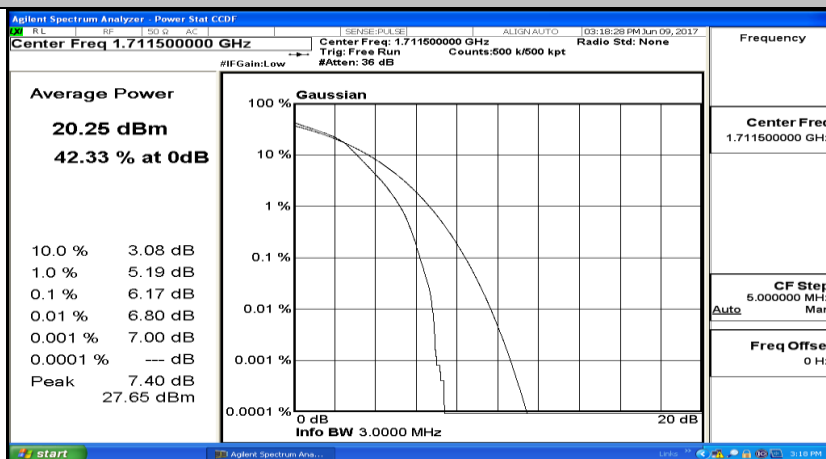
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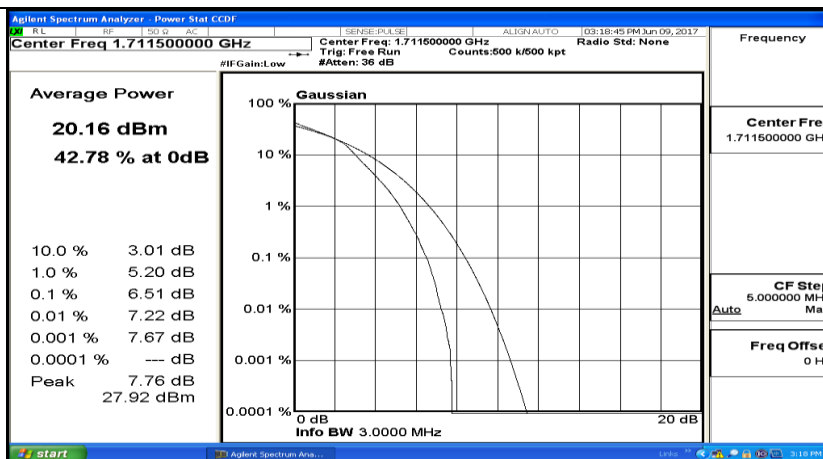
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



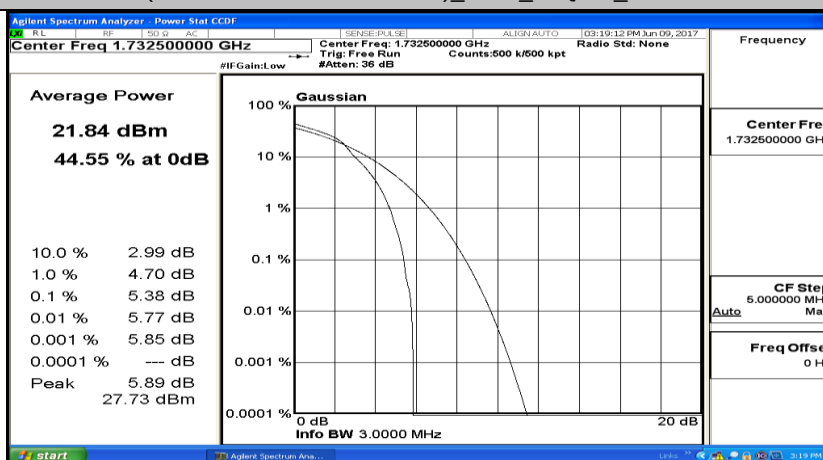
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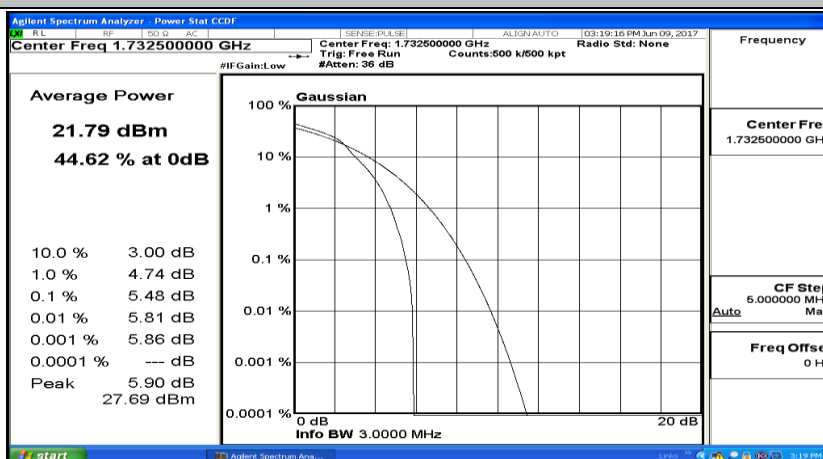
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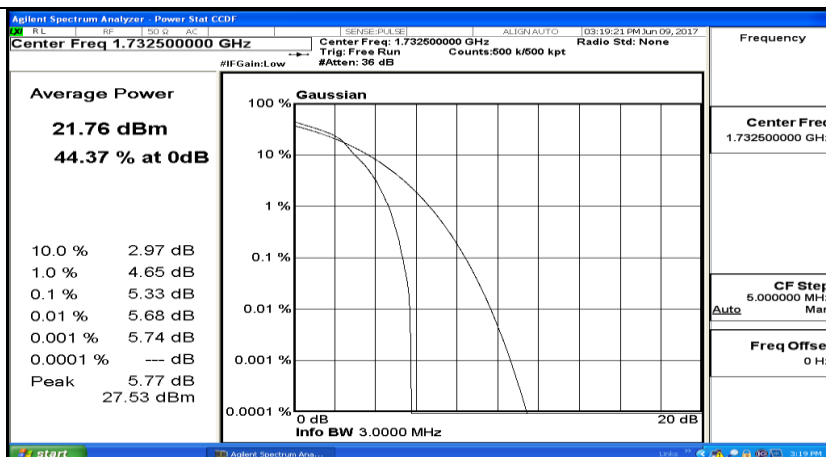
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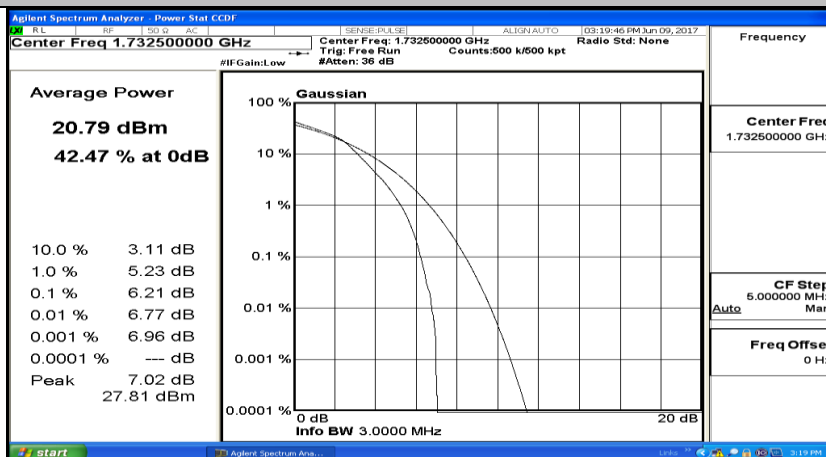
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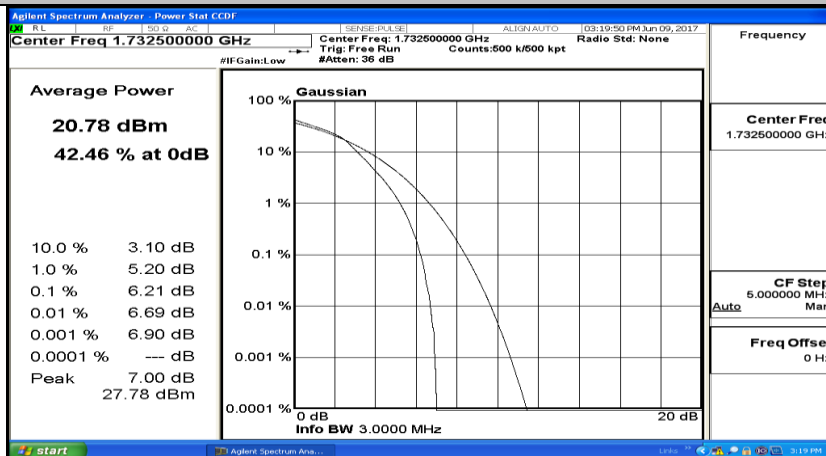
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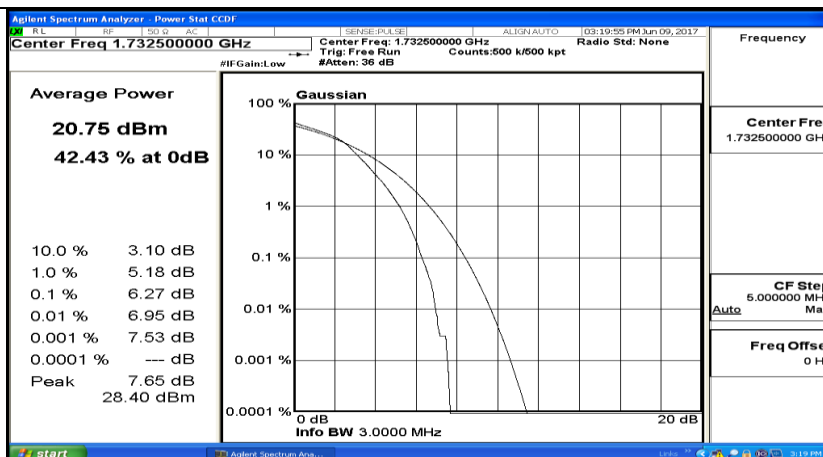
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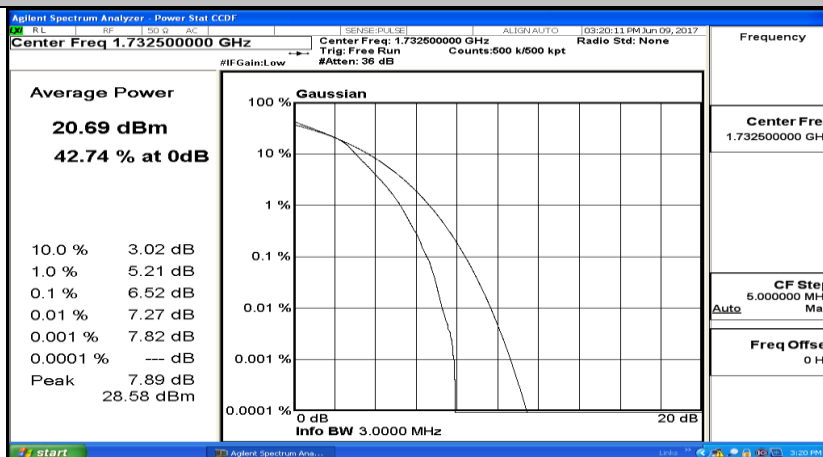
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



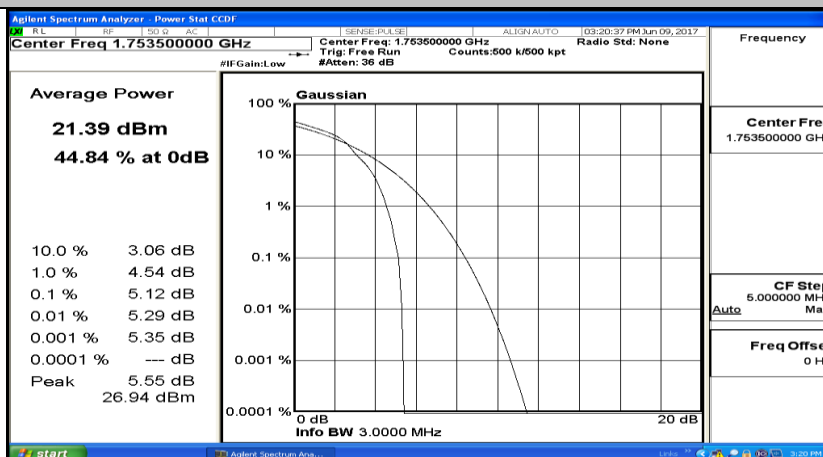
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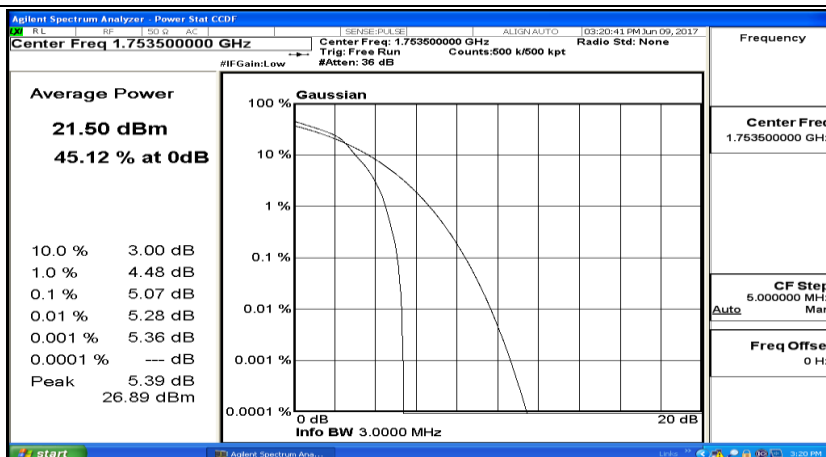
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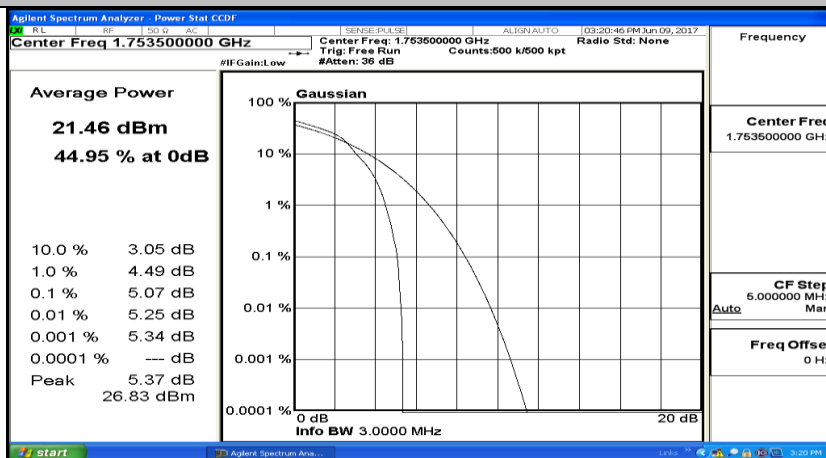
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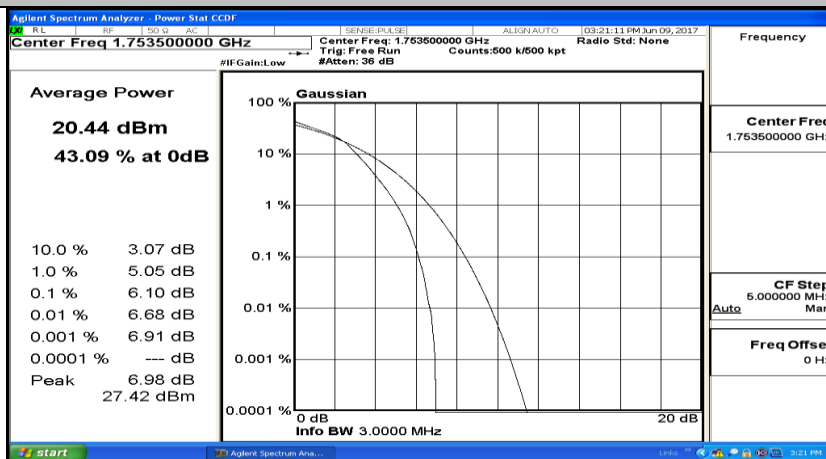
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



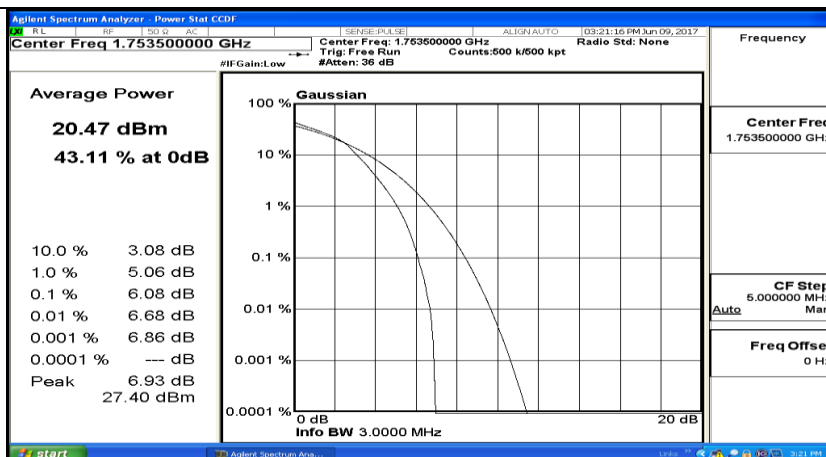
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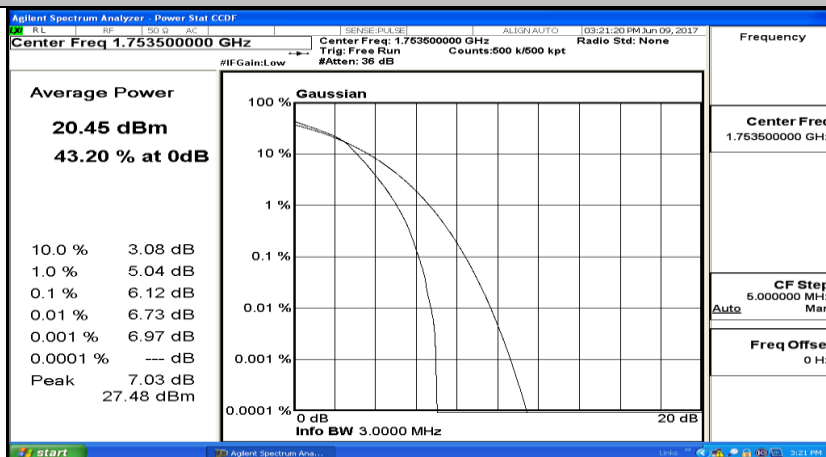
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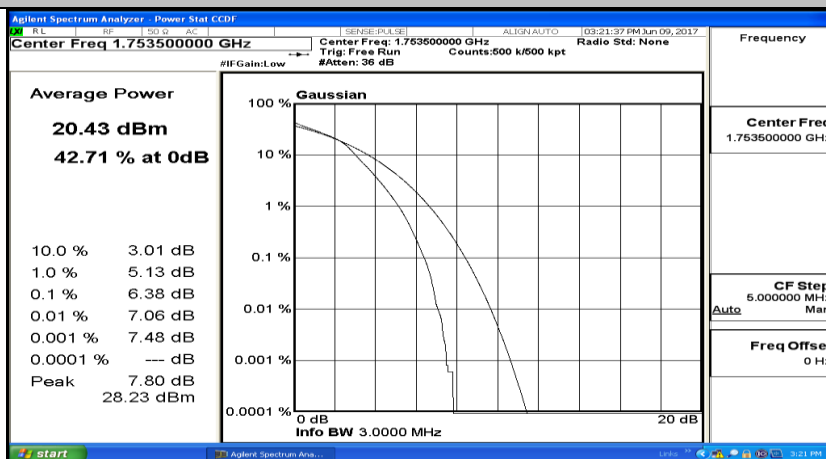
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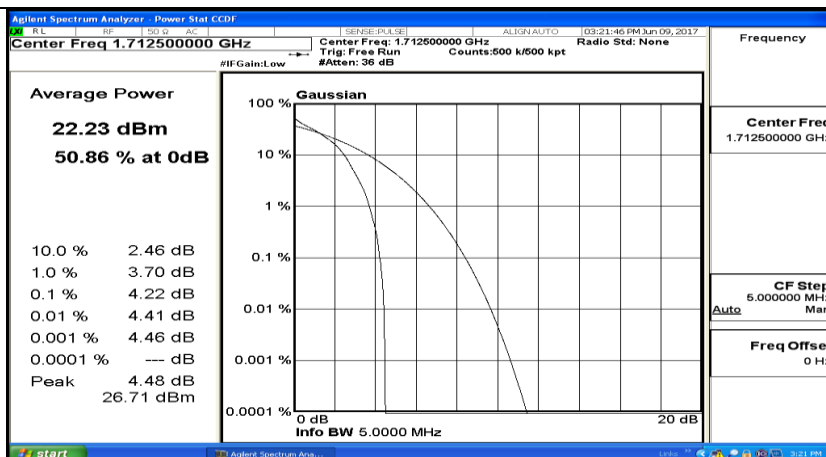


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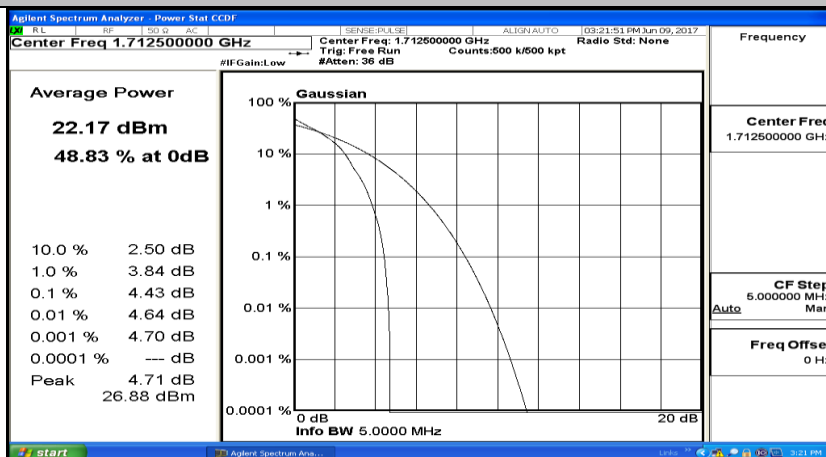


Channel Bandwidth: 5 MHz

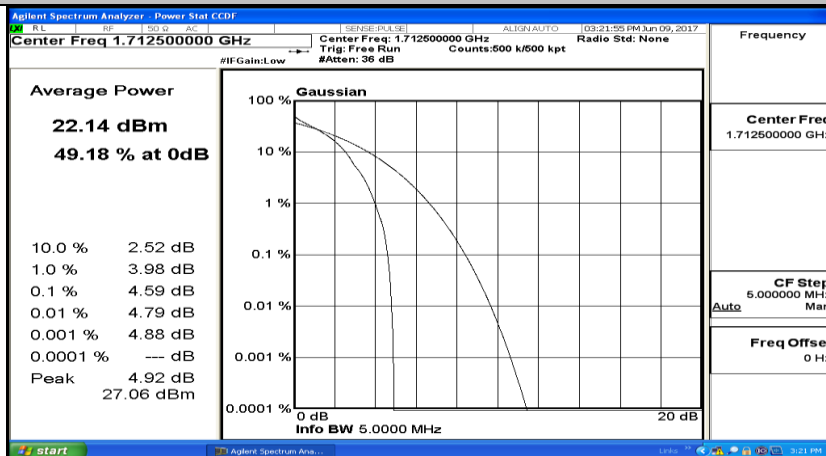
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



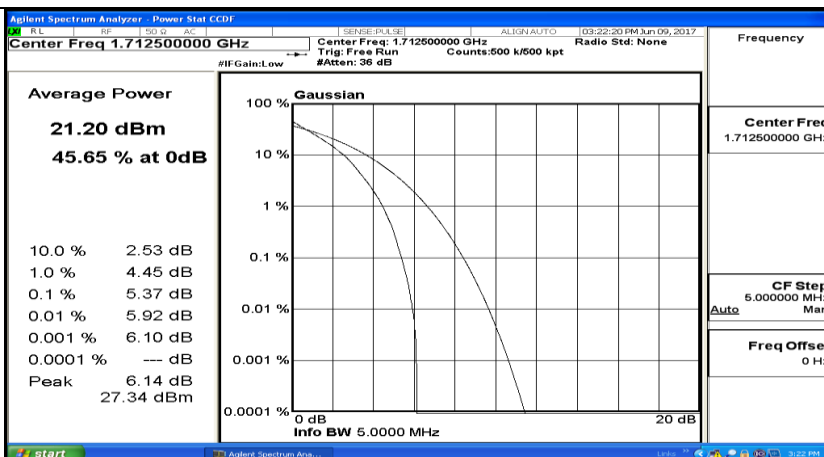
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



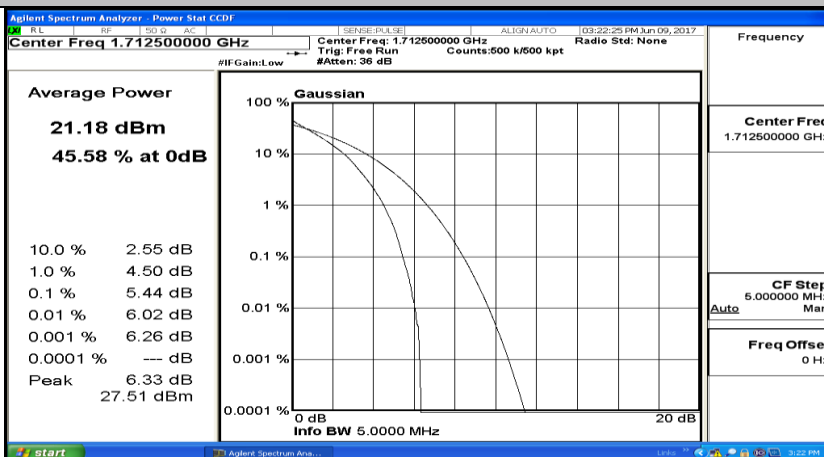
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



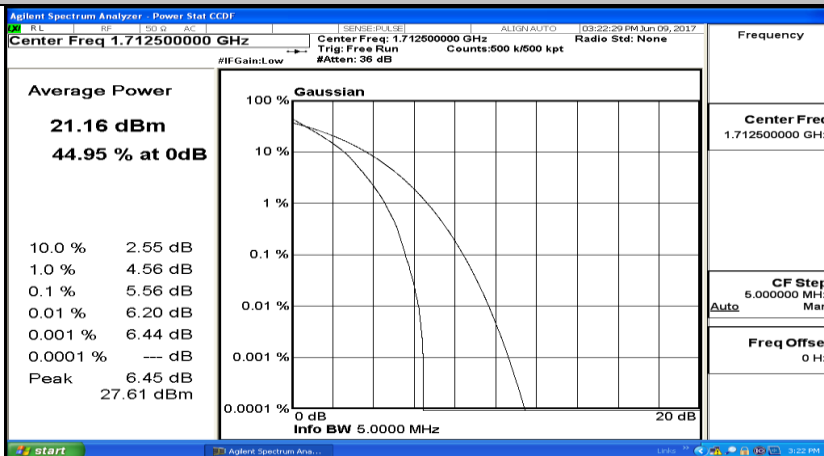
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



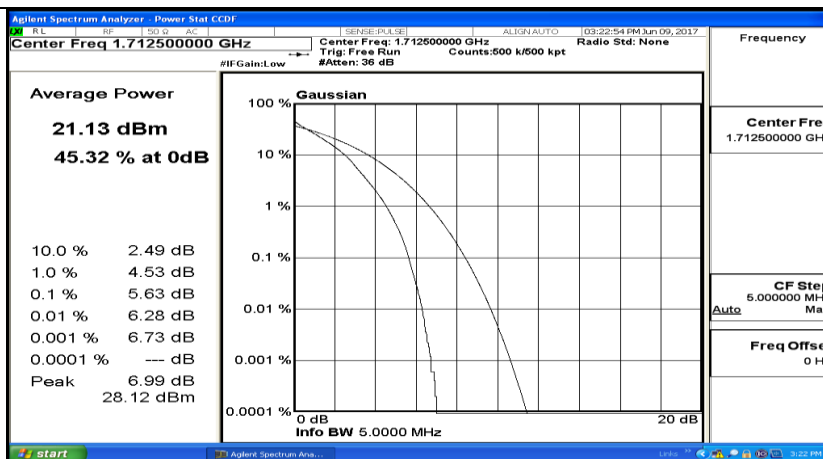
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



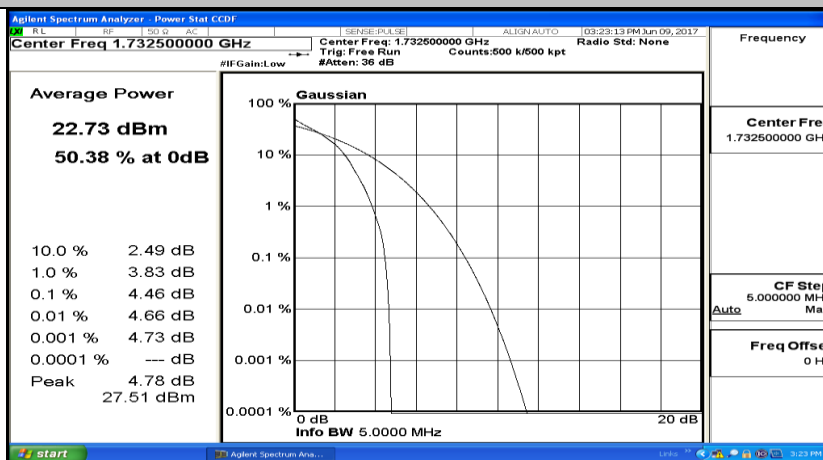
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



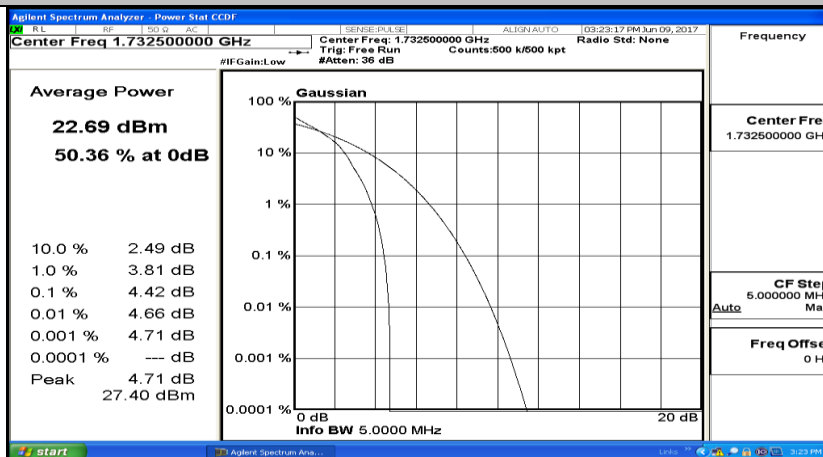
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



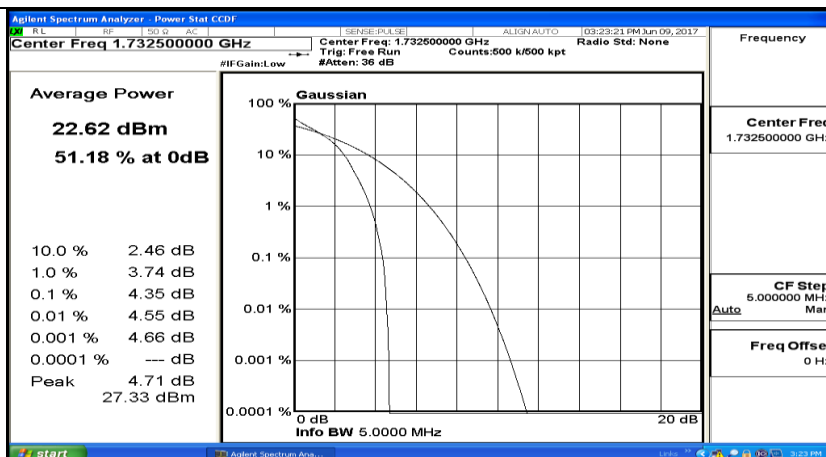
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



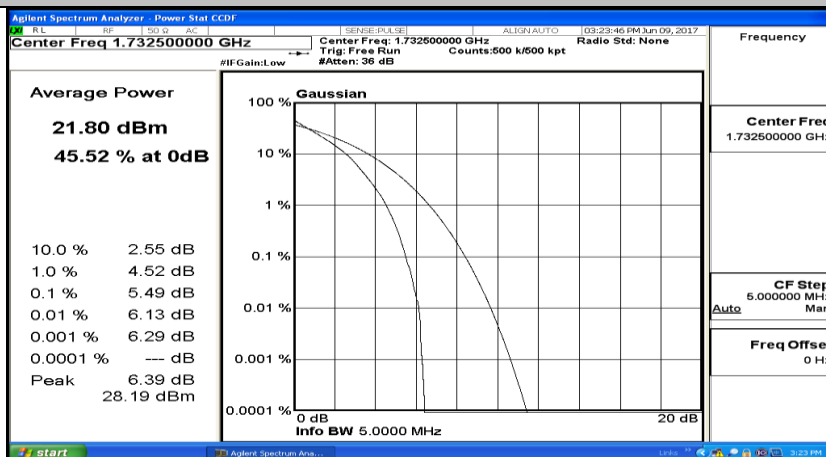
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



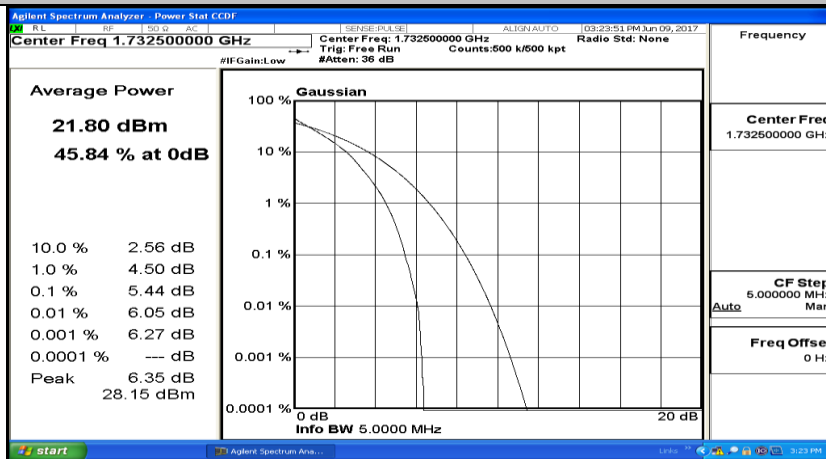
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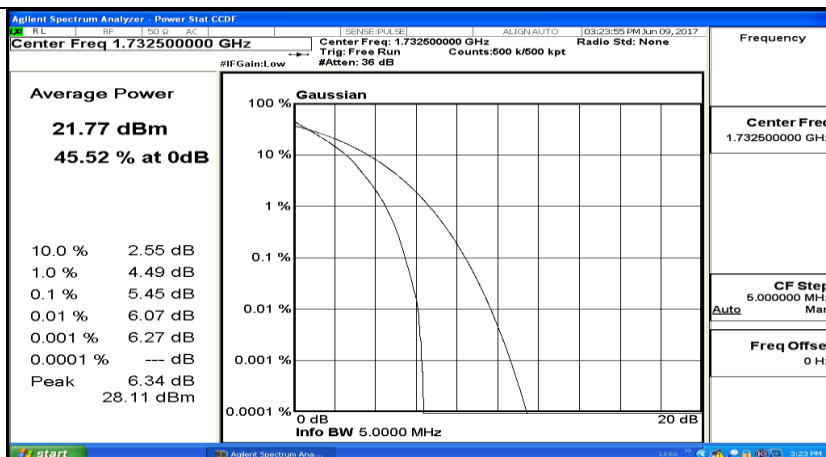
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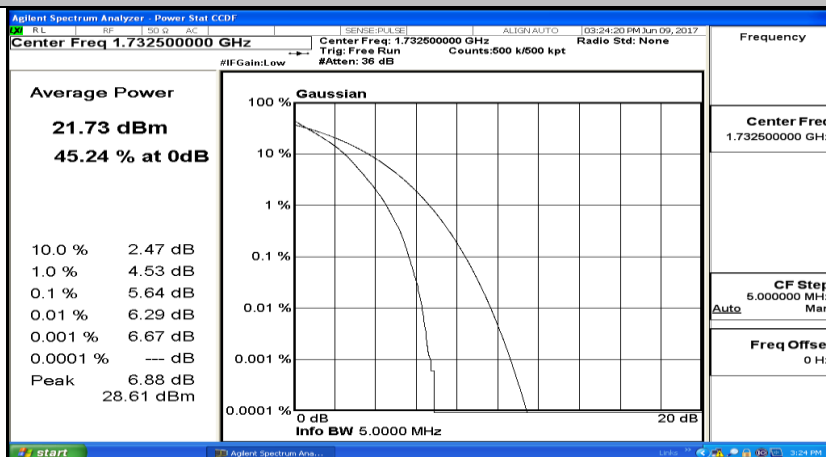
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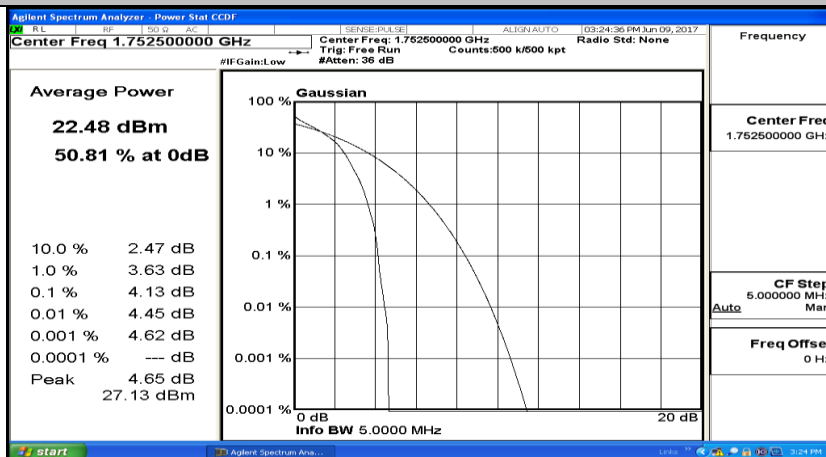
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12