

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	22.14	PASS
		1	12	22.61	PASS
		1	24	22.28	PASS
		12	0	21.23	PASS
		12	6	21.35	PASS
		12	13	21.31	PASS
		25	0	21.26	PASS
	MCH	1	0	22.27	PASS
		1	12	22.62	PASS
		1	24	22.27	PASS
		12	0	21.33	PASS
		12	6	21.44	PASS
		12	13	21.40	PASS
		25	0	21.42	PASS
	HCH	1	0	21.53	PASS
		1	12	21.62	PASS
		1	24	21.75	PASS
		12	0	21.42	PASS
		12	6	21.51	PASS
		12	13	21.40	PASS
		25	0	21.36	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.25	PASS
		1	24	22.51	PASS
		1	49	22.44	PASS
		25	0	21.36	PASS
		25	12	21.40	PASS
		25	25	21.43	PASS

	MCH	50	0	21.31	PASS
		1	0	22.34	PASS
		1	24	22.48	PASS
		1	49	22.34	PASS
		25	0	21.45	PASS
		25	12	21.45	PASS
		25	25	21.49	PASS
		50	0	21.45	PASS
	HCH	1	0	21.60	PASS
		1	24	21.32	PASS
		1	49	21.61	PASS
		25	0	21.52	PASS
		25	12	21.51	PASS
		25	25	21.63	PASS
		50	0	21.42	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.20	PASS
		1	37	22.60	PASS
		1	74	22.37	PASS
		37	0	21.62	PASS
		37	18	21.69	PASS
		37	38	21.68	PASS
		75	0	21.63	PASS
	MCH	1	0	22.38	PASS
		1	37	22.58	PASS
		1	74	22.32	PASS
		37	0	21.55	PASS
		37	18	21.55	PASS
		37	38	21.56	PASS
		75	0	21.56	PASS
	HCH	1	0	22.50	PASS
		1	37	21.33	PASS
		1	74	21.60	PASS
		37	0	21.89	PASS
		37	18	21.48	PASS
		37	38	21.57	PASS
		75	0	21.64	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.14	PASS
		1	49	22.70	PASS
		1	99	22.24	PASS
		50	0	21.35	PASS
		50	25	21.46	PASS
		50	50	21.44	PASS
		100	0	21.44	PASS
	MCH	1	0	22.28	PASS
		1	49	22.58	PASS
		1	99	22.26	PASS
		50	0	21.40	PASS
		50	25	21.43	PASS
		50	50	21.45	PASS
		100	0	21.45	PASS
	HCH	1	0	22.24	PASS
		1	49	21.64	PASS
		1	99	21.56	PASS
		50	0	21.74	PASS
		50	25	21.57	PASS
		50	50	21.41	PASS
		100	0	21.55	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	2.67	<13	PASS
		1	12	2.41	<13	PASS
		1	24	2.73	<13	PASS
		12	0	3.61	<13	PASS
		12	6	3.55	<13	PASS
		12	13	3.65	<13	PASS
		25	0	3.62	<13	PASS
	MCH	1	0	2.72	<13	PASS
		1	12	2.47	<13	PASS
		1	24	2.73	<13	PASS
		12	0	3.59	<13	PASS
		12	6	3.57	<13	PASS
		12	13	3.63	<13	PASS
		25	0	3.68	<13	PASS
	HCH	1	0	1.8	<13	PASS
		1	12	1.49	<13	PASS
		1	24	1.26	<13	PASS
		12	0	2.47	<13	PASS
		12	6	2.29	<13	PASS
		12	13	2.22	<13	PASS
		25	0	2.4	<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	2.41	<13	PASS
		1	24	2.44	<13	PASS
		1	49	2.57	<13	PASS
		25	0	3.59	<13	PASS
		25	12	3.62	<13	PASS

		25	25	3.63	<13	PASS
		50	0	3.68	<13	PASS
	MCH	1	0	2.47	<13	PASS
		1	24	2.4	<13	PASS
		1	49	2.58	<13	PASS
		25	0	3.6	<13	PASS
		25	12	3.62	<13	PASS
		25	25	3.63	<13	PASS
		50	0	3.64	<13	PASS
		HCH	1	0	1.97	<13
	1		24	1.82	<13	PASS
	1		49	1.24	<13	PASS
	25		0	2.7	<13	PASS
	25		12	2.55	<13	PASS
	25		25	2.32	<13	PASS
	50		0	2.59	<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	2.49	<13	PASS
		1	37	2.39	<13	PASS
		1	74	2.61	<13	PASS
		37	0	3.45	<13	PASS
		37	18	3.49	<13	PASS
		37	38	3.57	<13	PASS
		75	0	4.04	<13	PASS
	MCH	1	0	2.57	<13	PASS
		1	37	2.41	<13	PASS
		1	74	2.65	<13	PASS
		37	0	3.47	<13	PASS
		37	18	3.5	<13	PASS
		37	38	3.52	<13	PASS
		75	0	3.97	<13	PASS
	HCH	1	0	2.15	<13	PASS
		1	37	1.99	<13	PASS
		1	74	1.21	<13	PASS
		37	0	2.78	<13	PASS
		37	18	2.51	<13	PASS
		37	38	2.24	<13	PASS

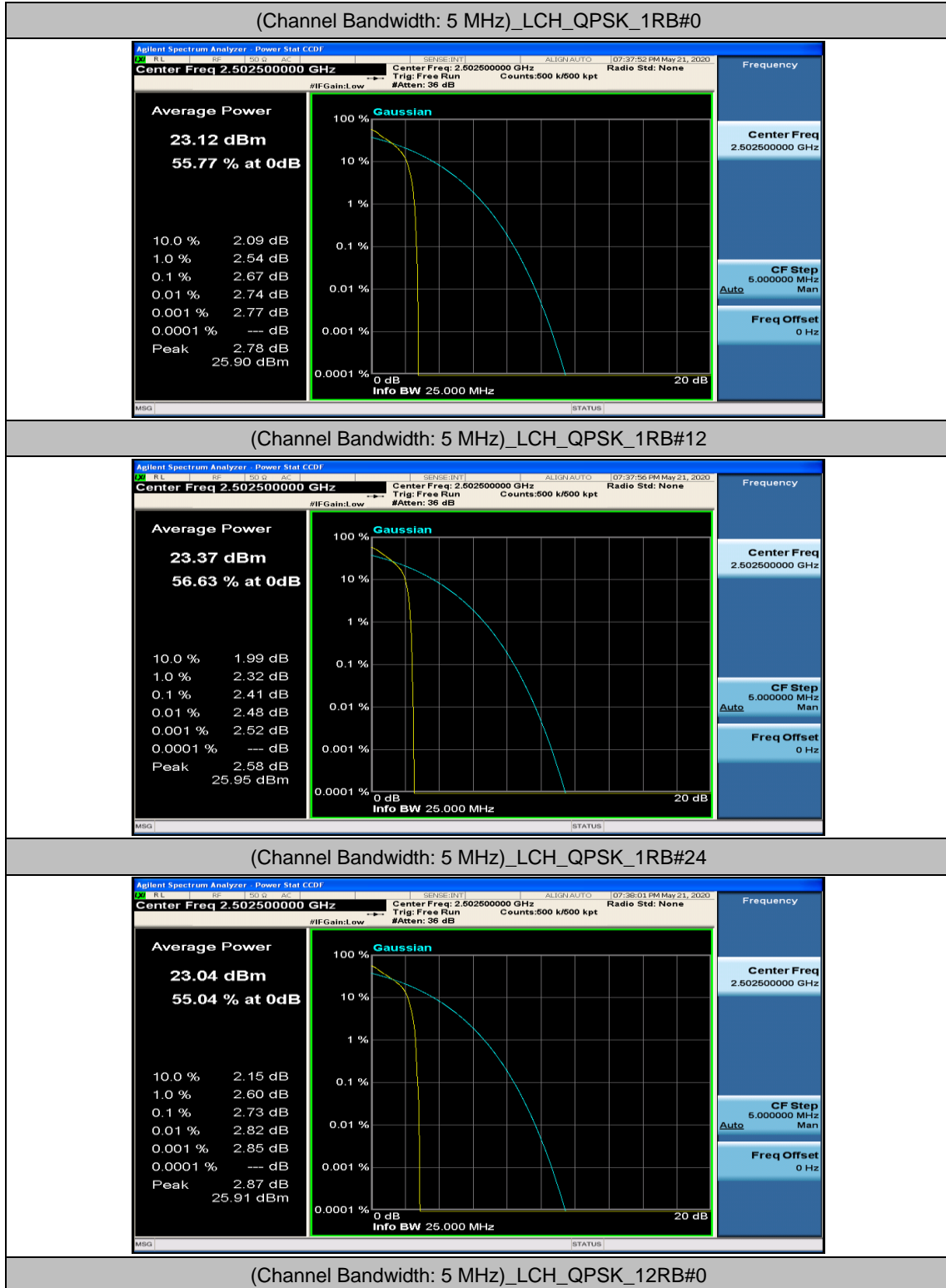
		75	0	3.09	<13	PASS
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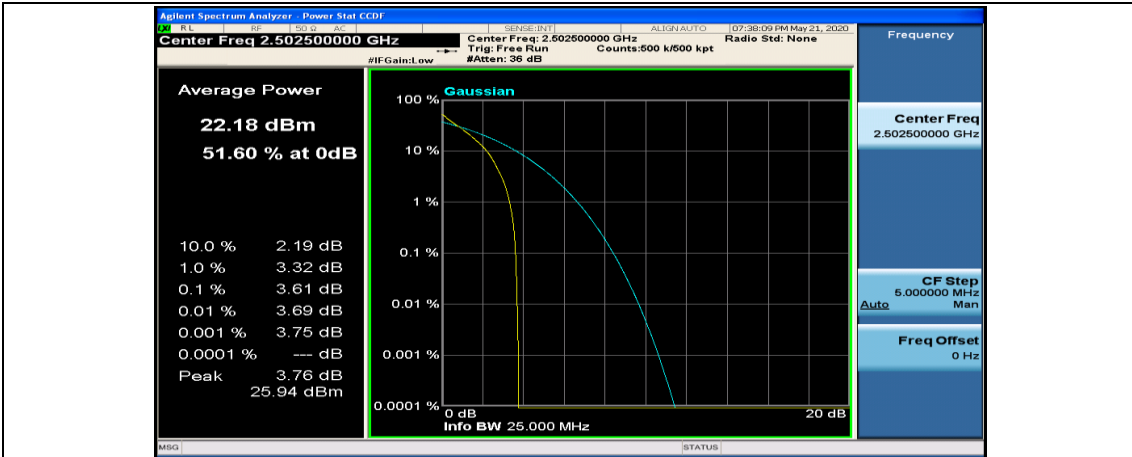
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.63	<13	PASS
		1	49	2.39	<13	PASS
		1	99	2.73	<13	PASS
		50	0	3.87	<13	PASS
		50	25	3.69	<13	PASS
		50	50	3.96	<13	PASS
		100	0	4.39	<13	PASS
	MCH	1	0	2.67	<13	PASS
		1	49	2.52	<13	PASS
		1	99	2.77	<13	PASS
		50	0	3.81	<13	PASS
		50	25	3.68	<13	PASS
		50	50	3.88	<13	PASS
		100	0	4.4	<13	PASS
	HCH	1	0	2.48	<13	PASS
		1	49	2.1	<13	PASS
		1	99	1.32	<13	PASS
		50	0	3.43	<13	PASS
		50	25	2.98	<13	PASS
		50	50	2.99	<13	PASS
		100	0	3.88	<13	PASS

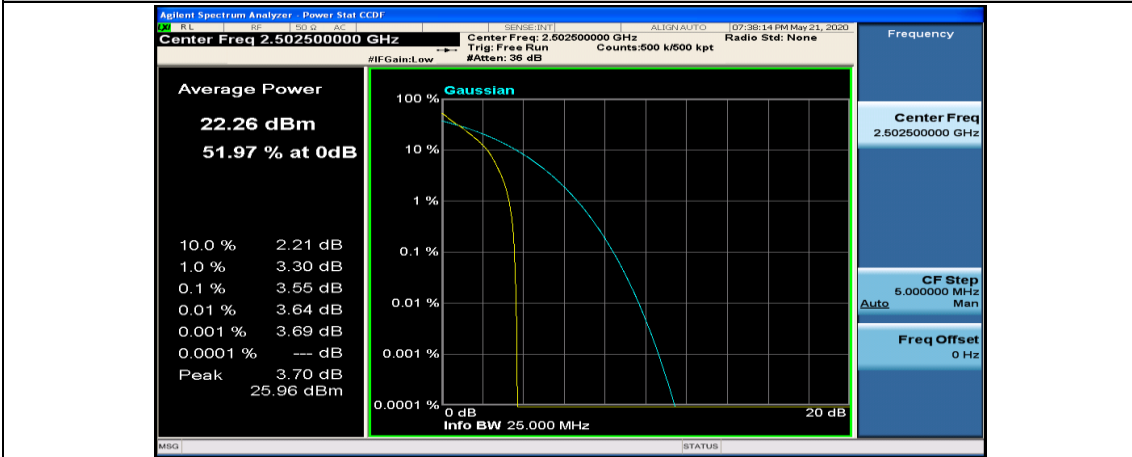
Test Graphs

Channel Bandwidth: 5 MHz

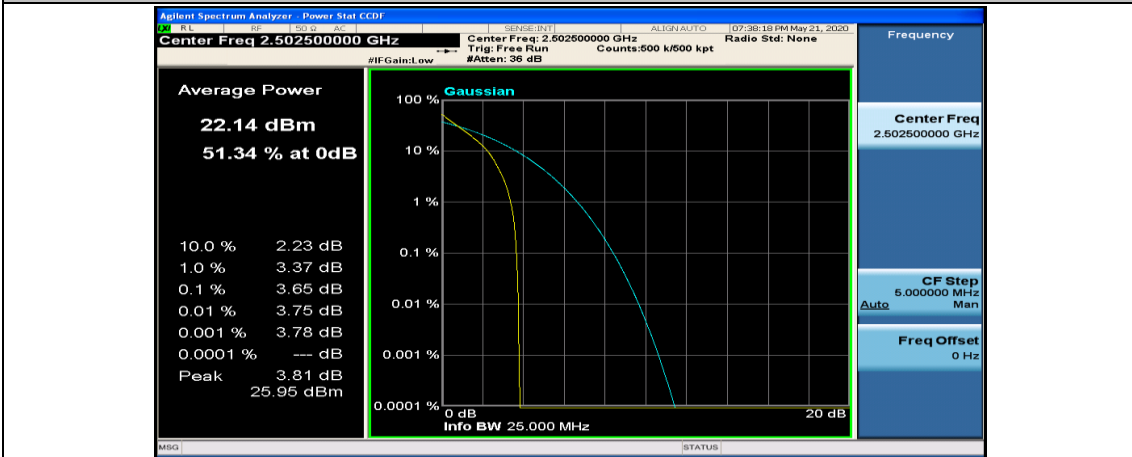




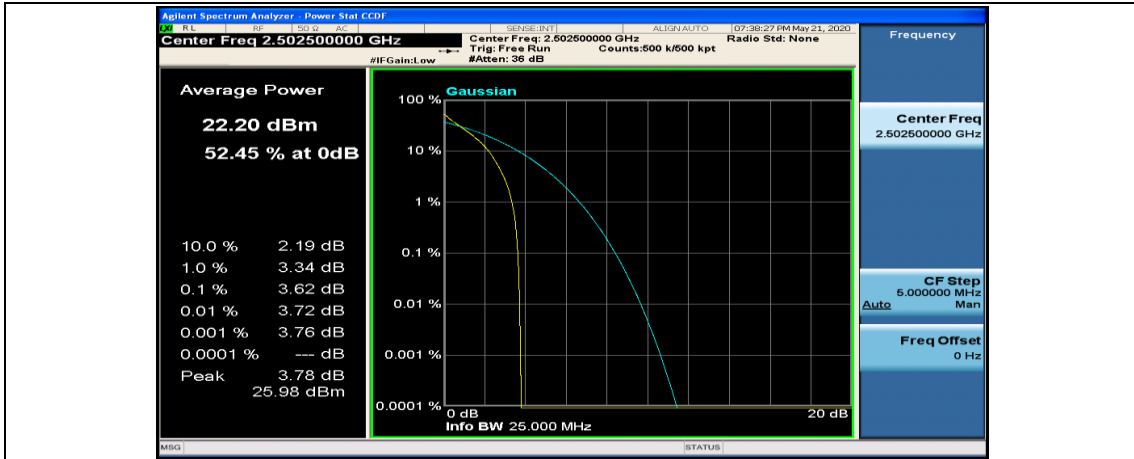
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



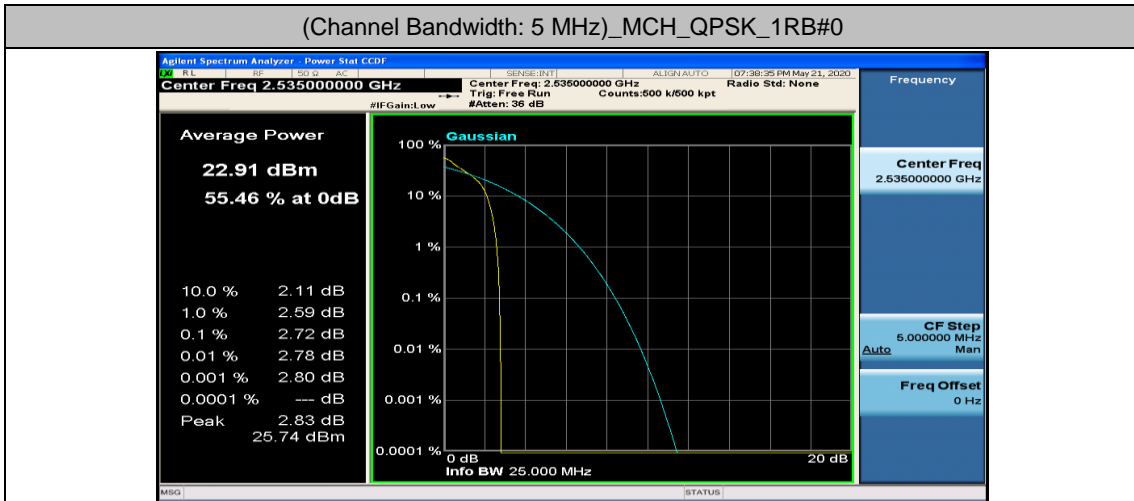
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



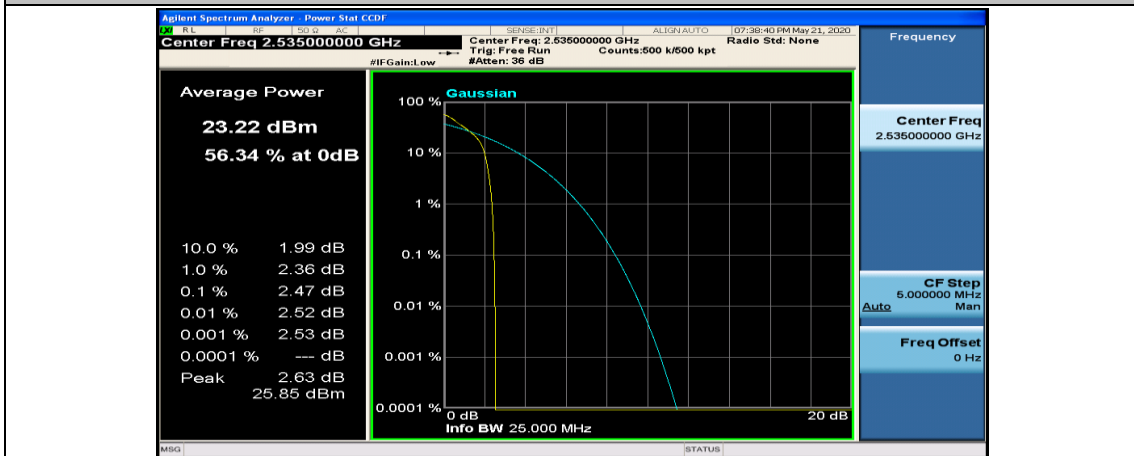
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



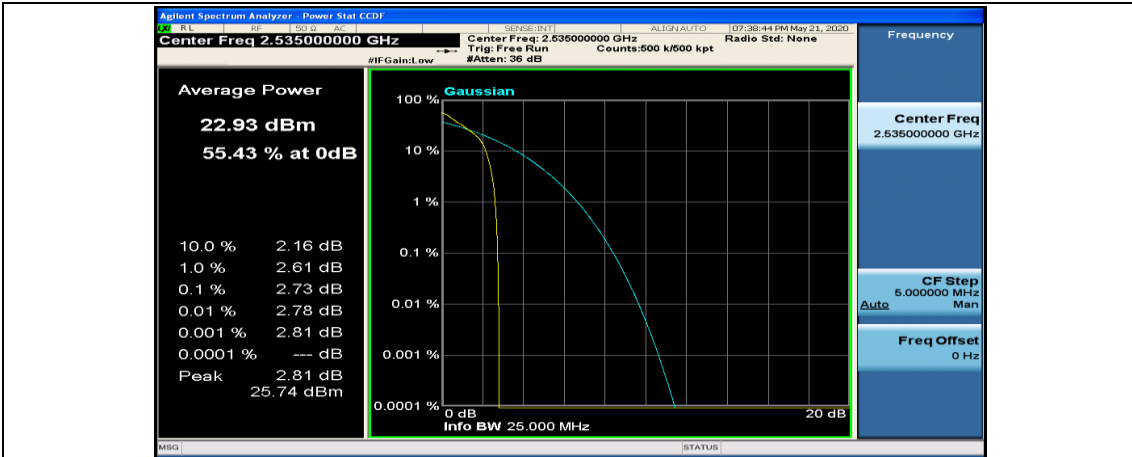
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



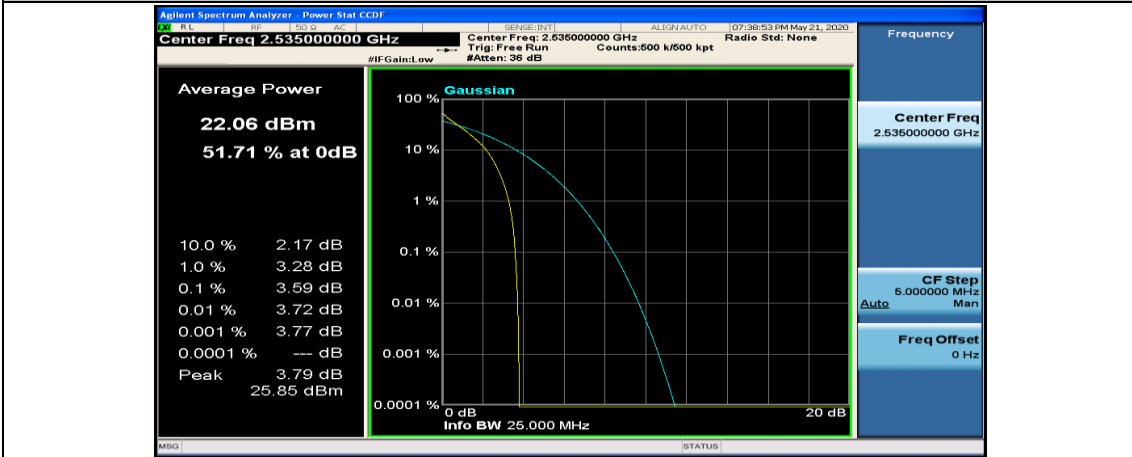
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



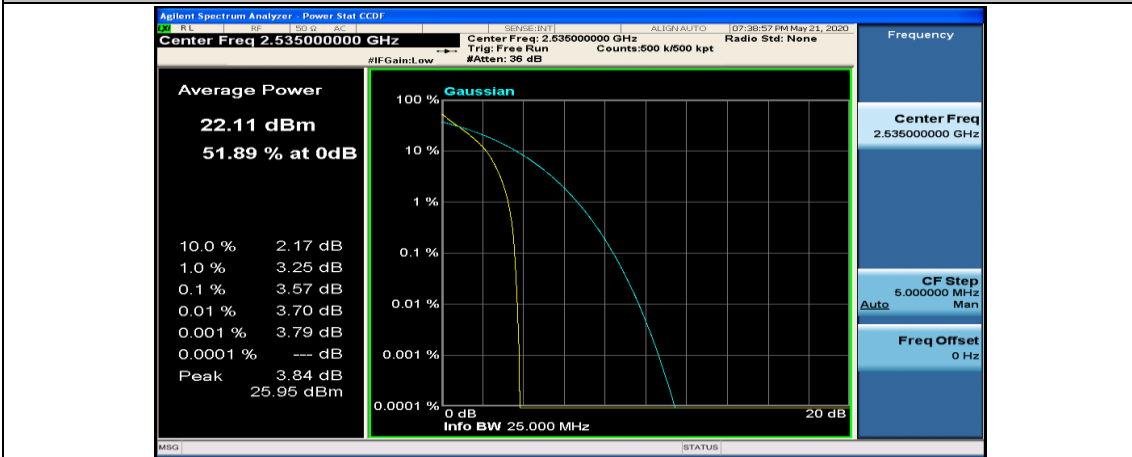
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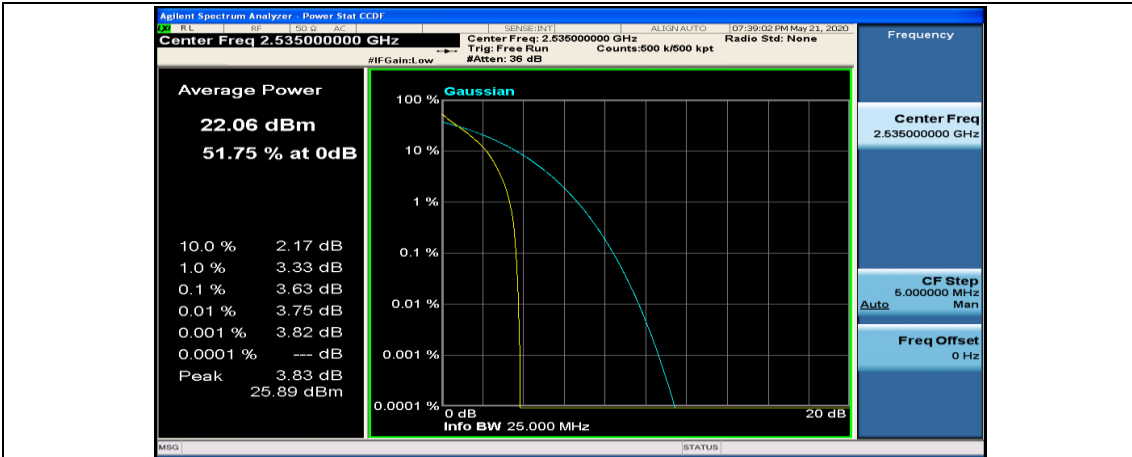
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



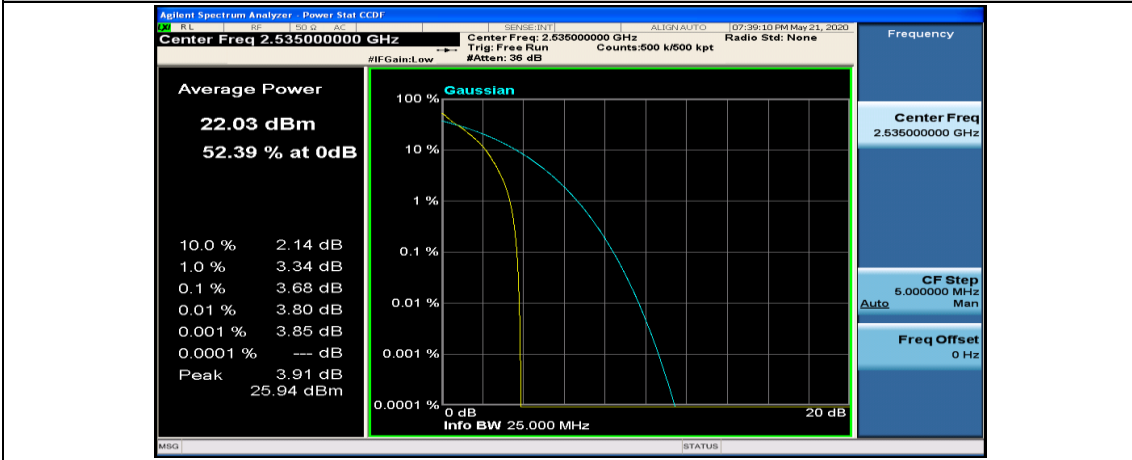
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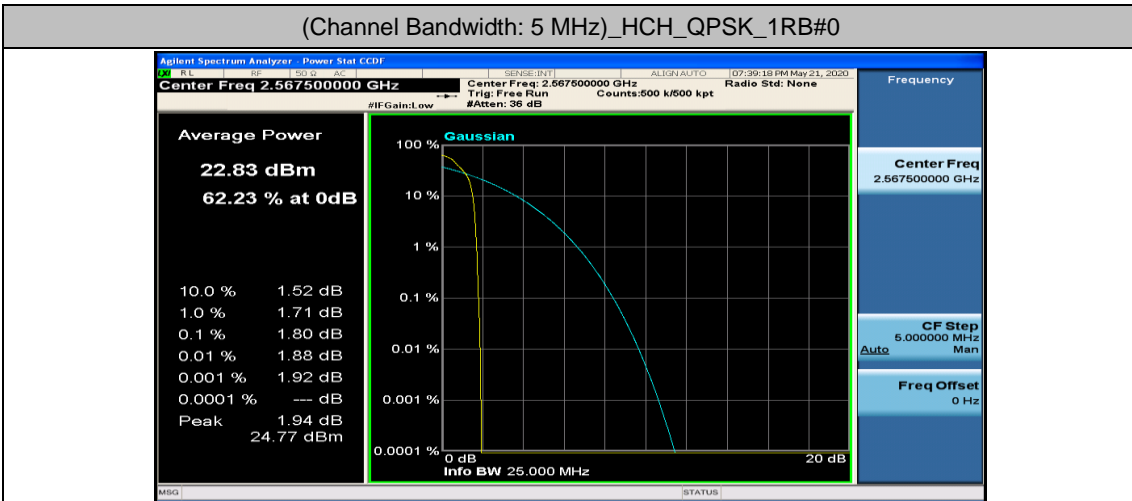
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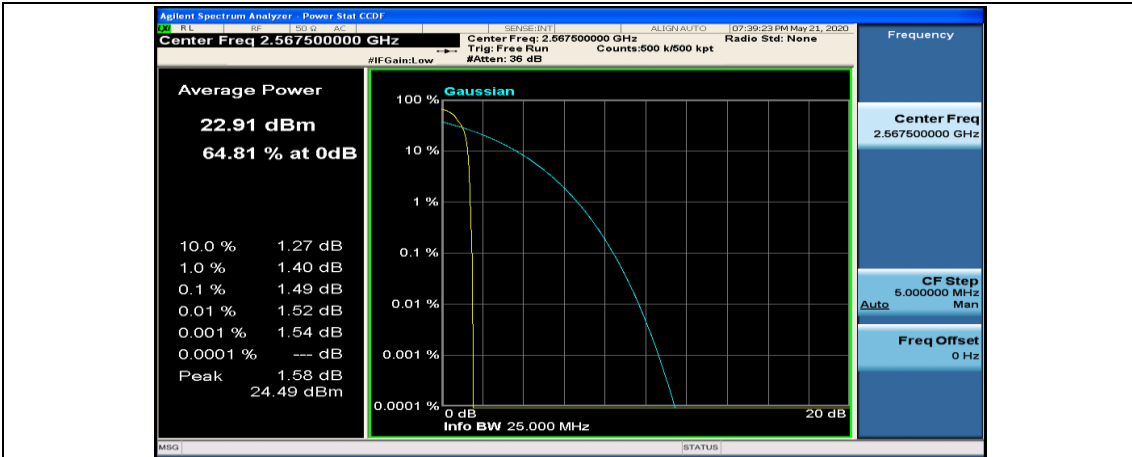
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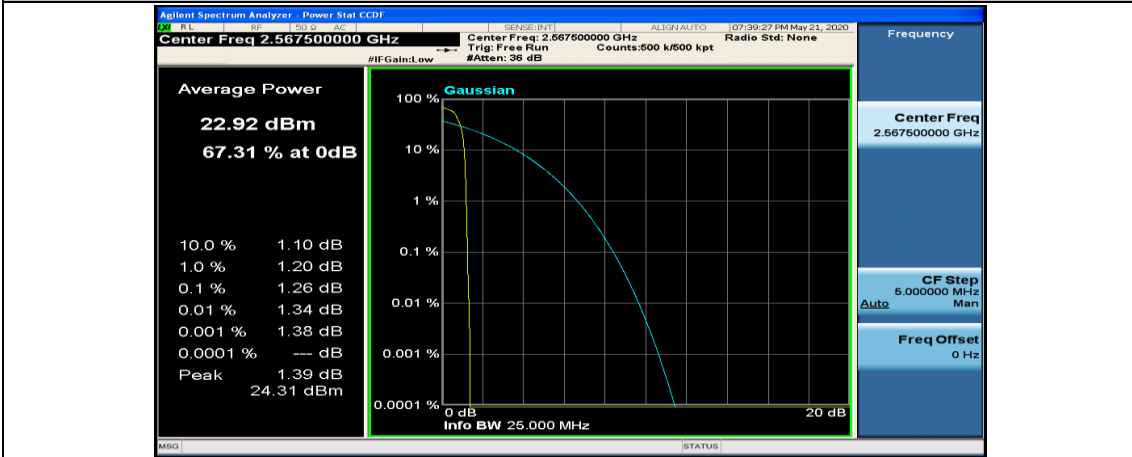
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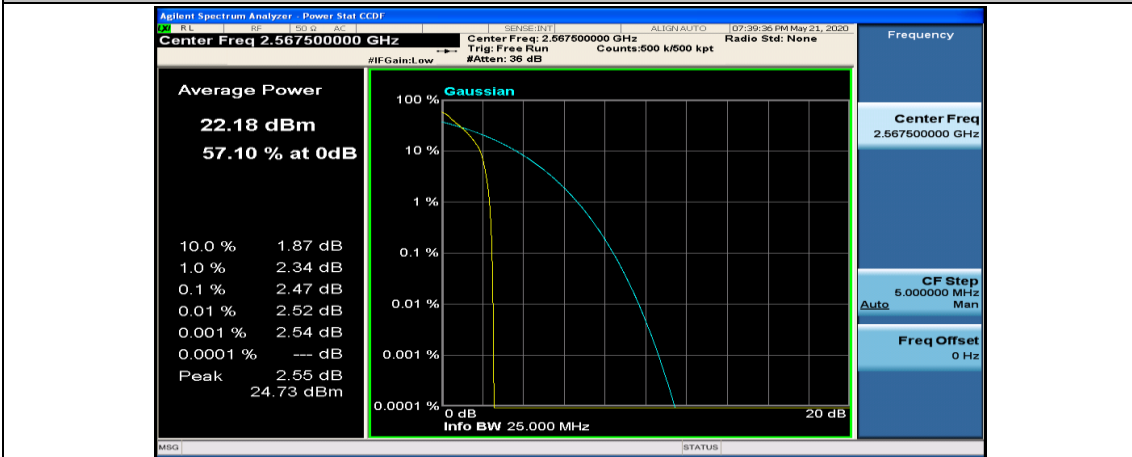
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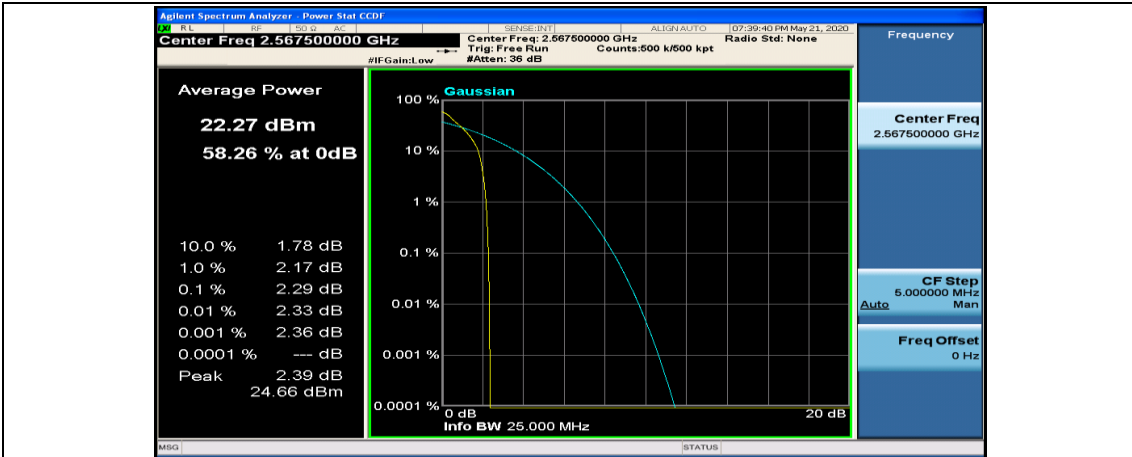
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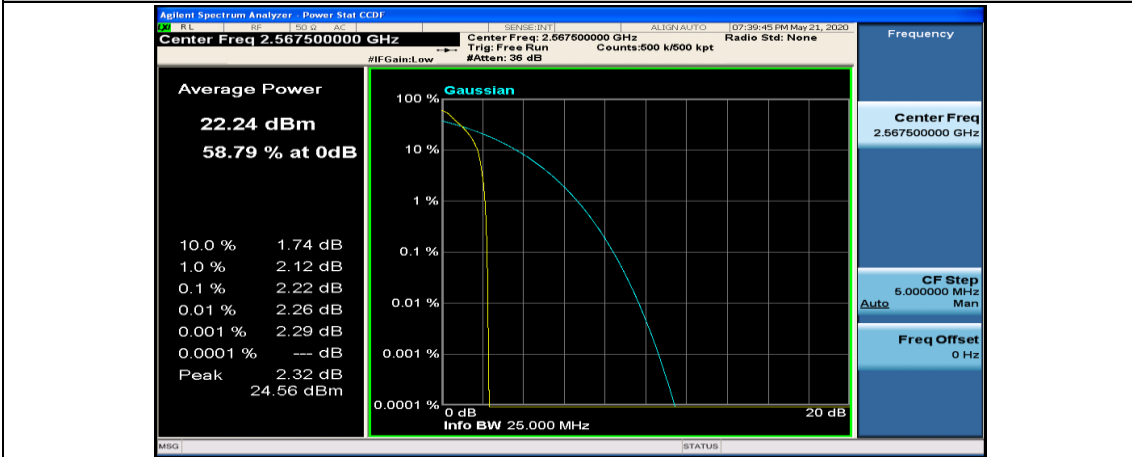
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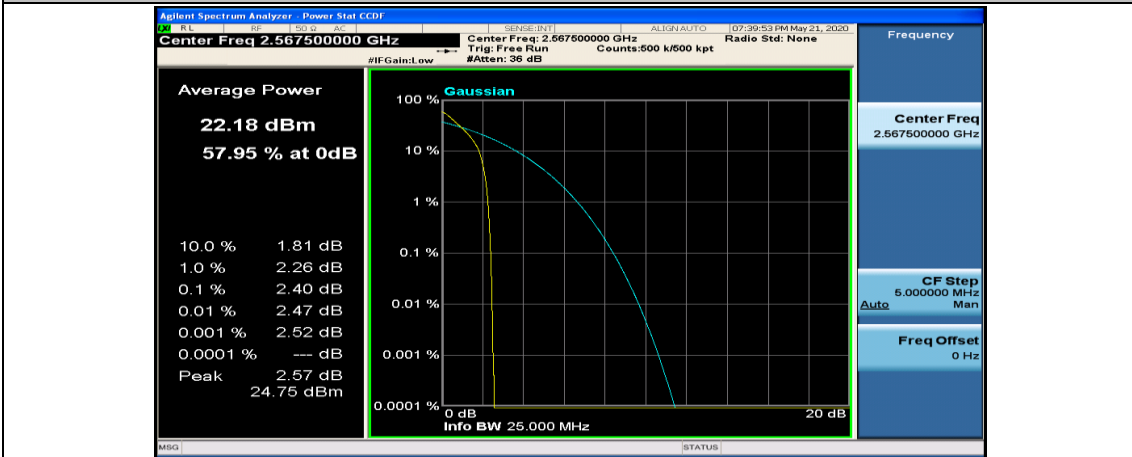
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



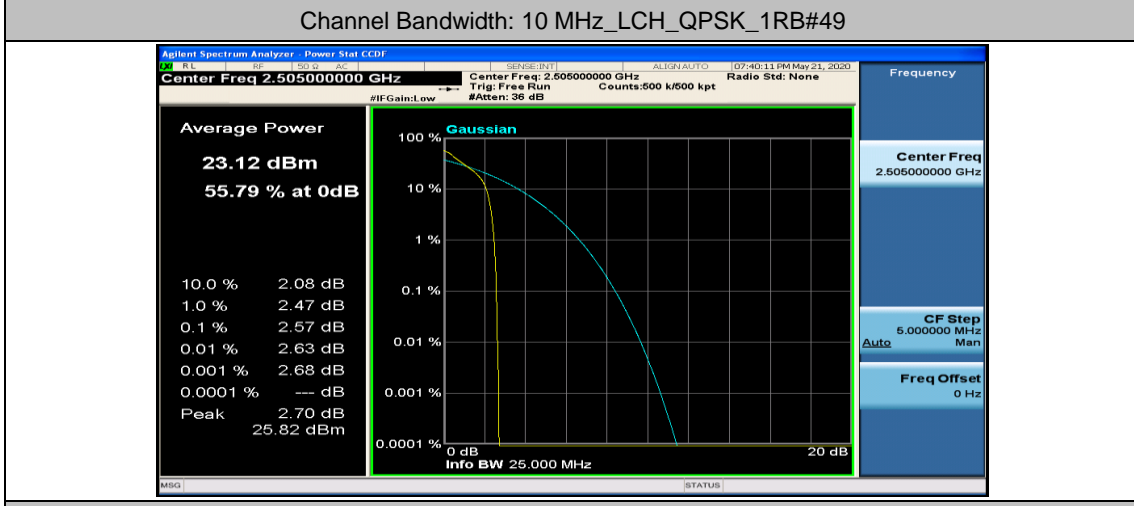
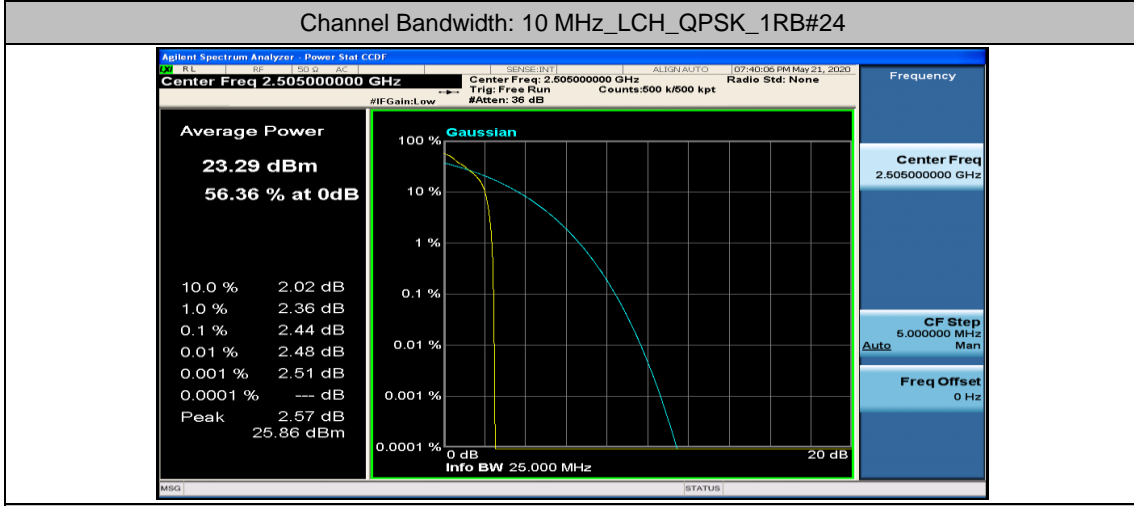
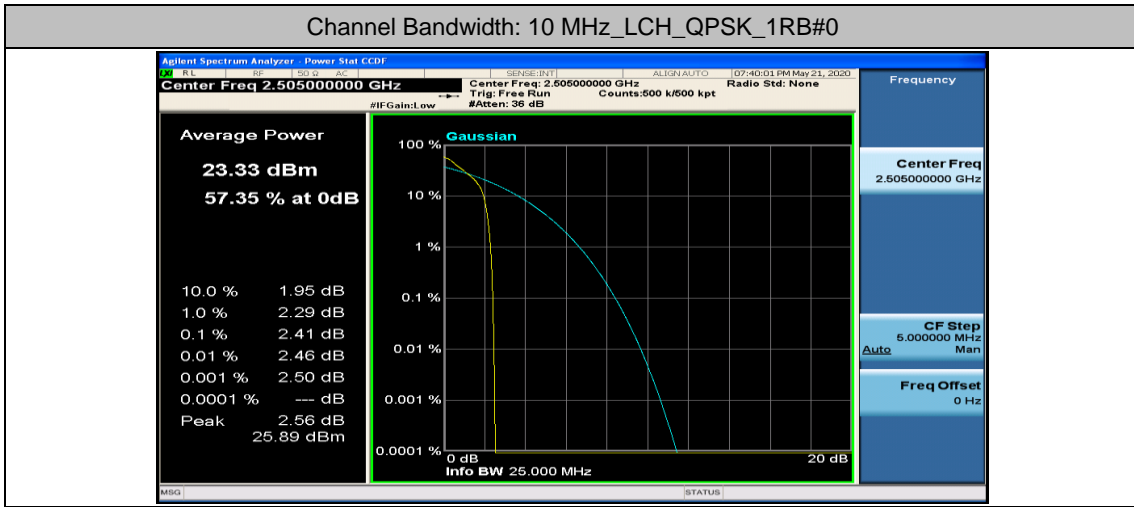
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



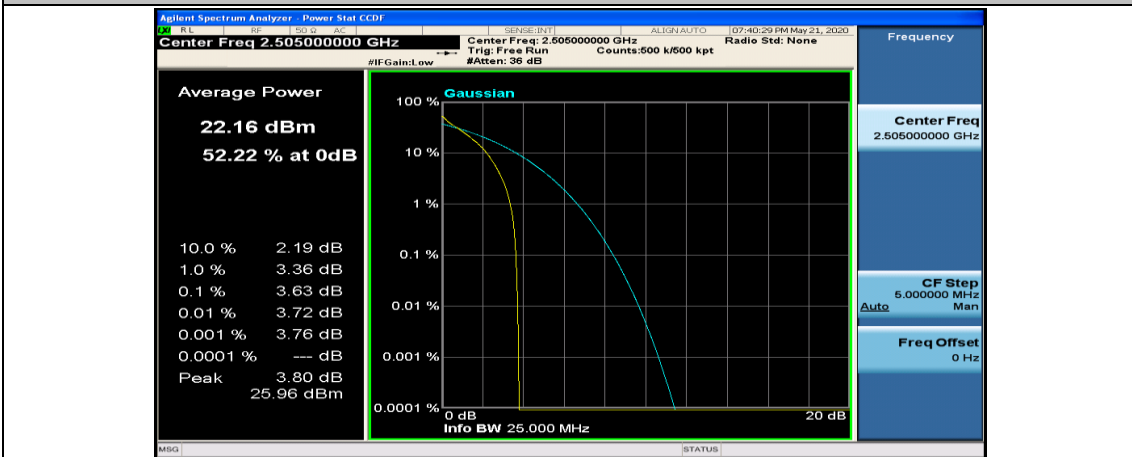
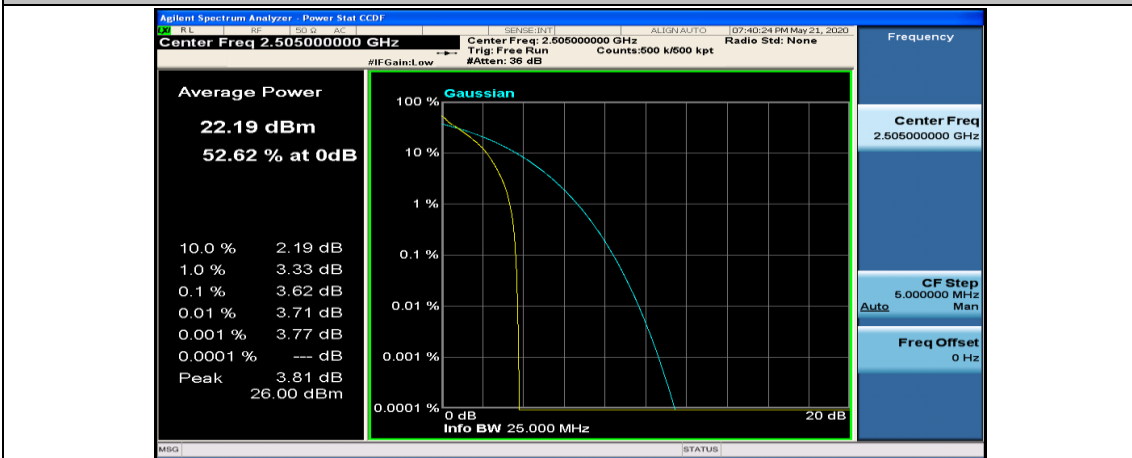
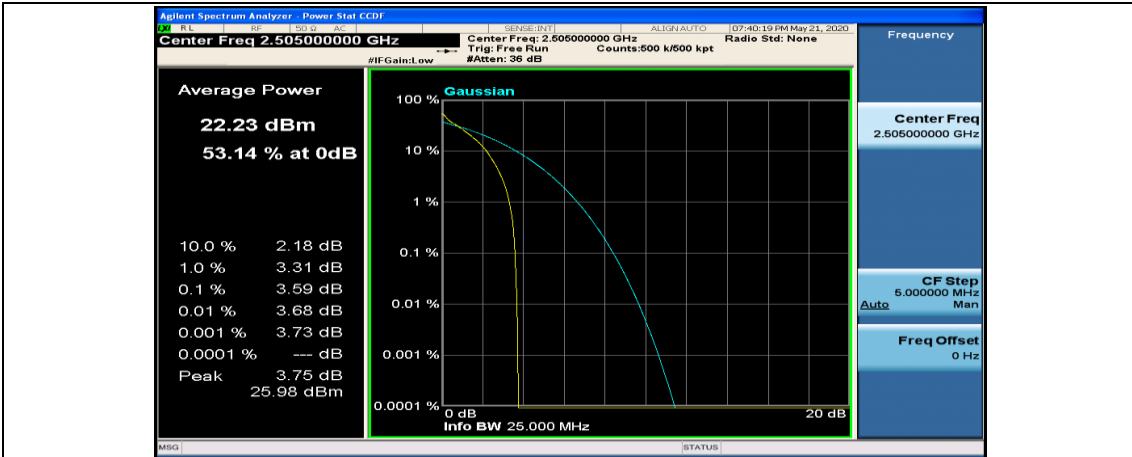
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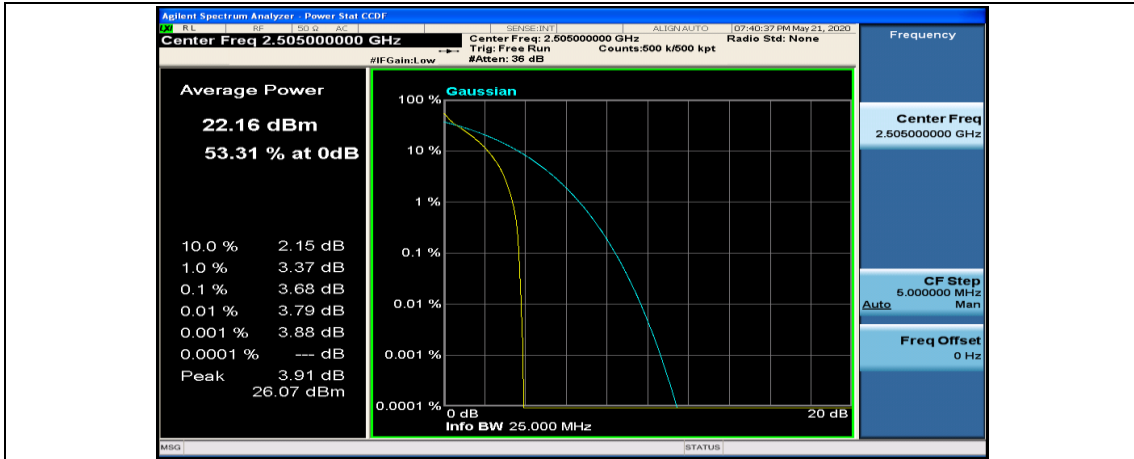


Channel Bandwidth: 10 MHz

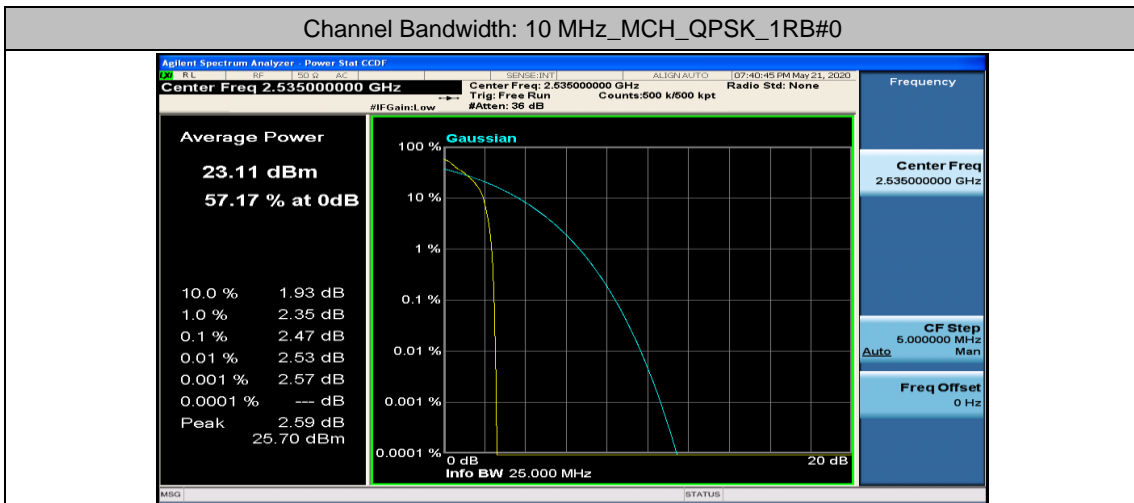


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

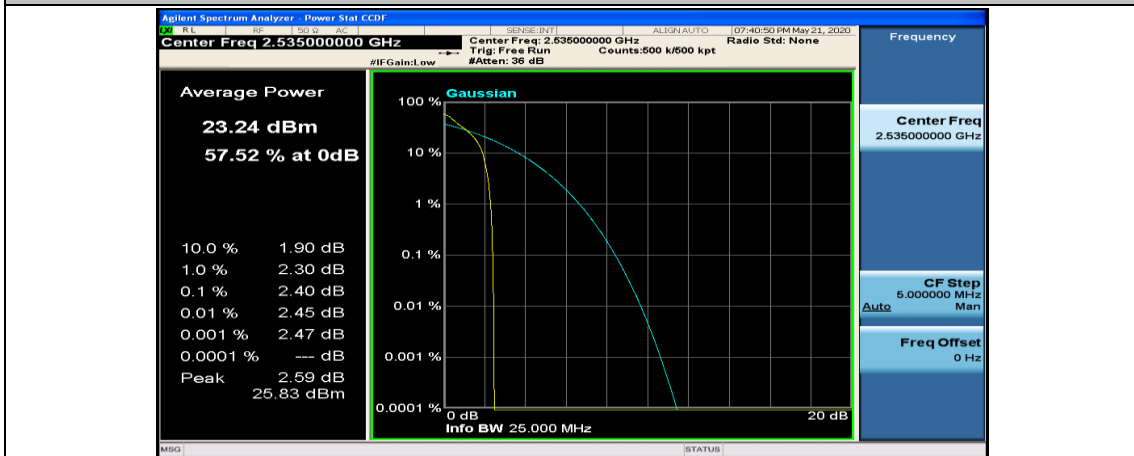




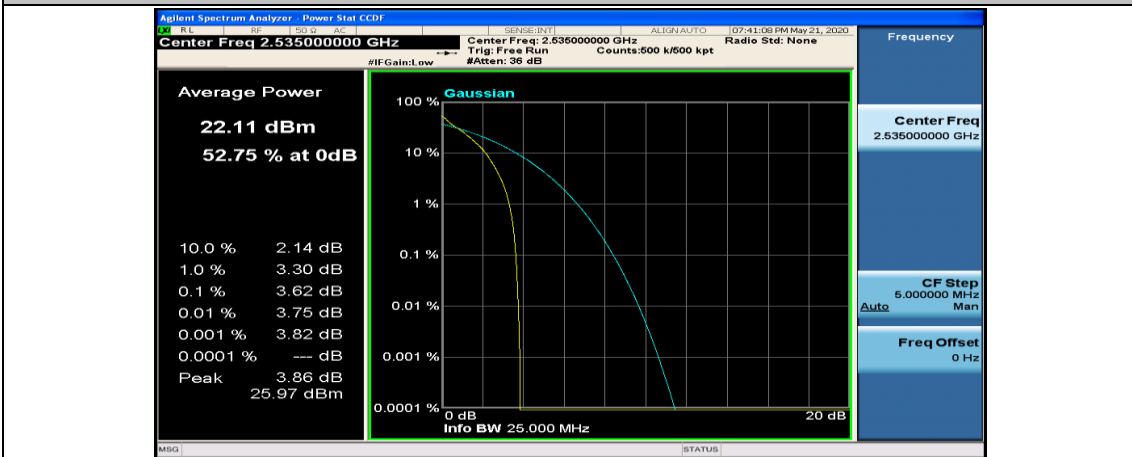
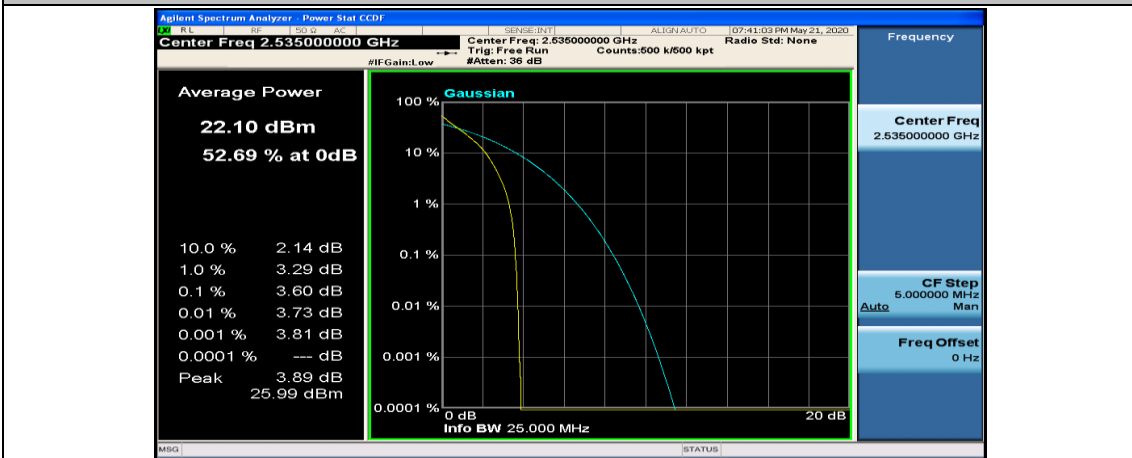
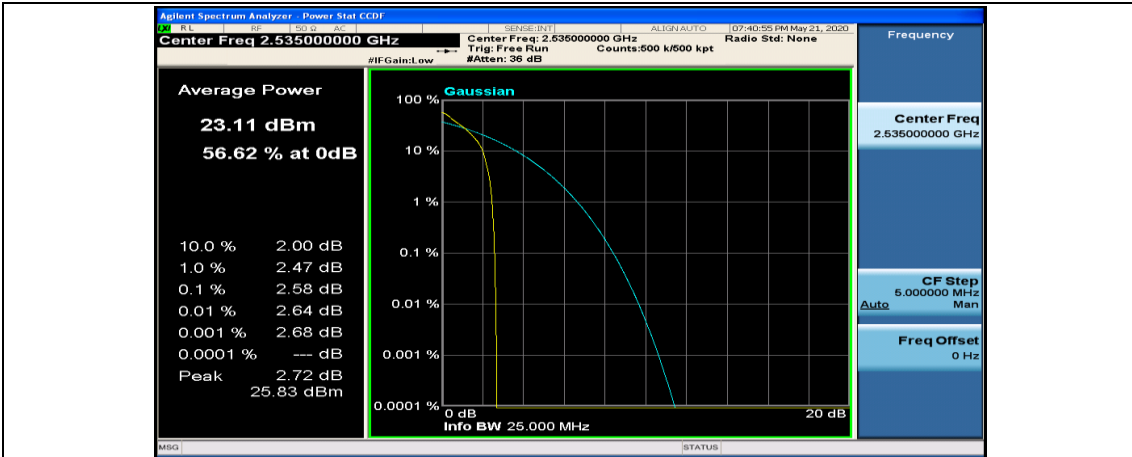
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

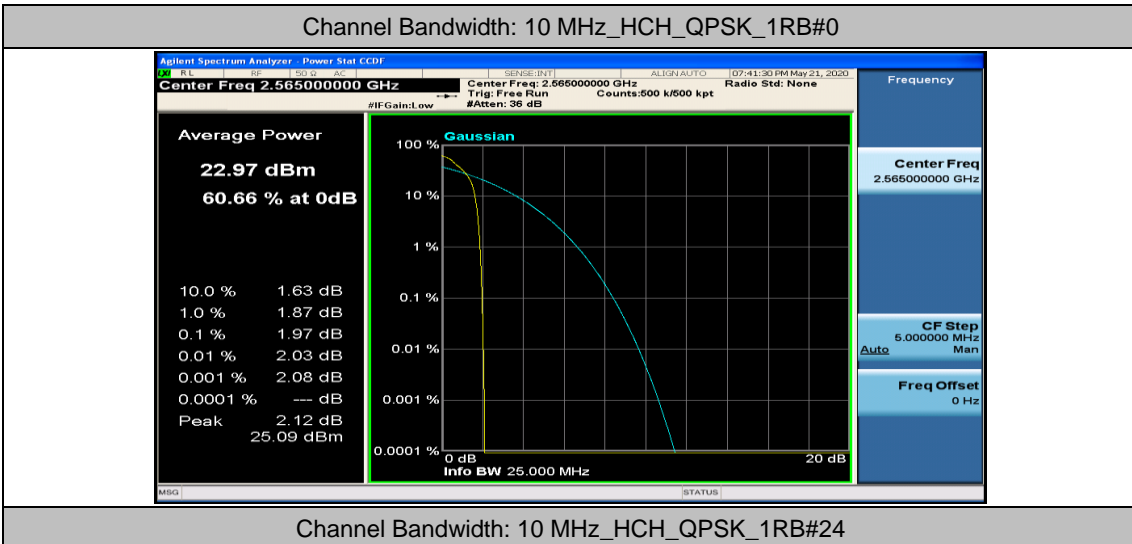
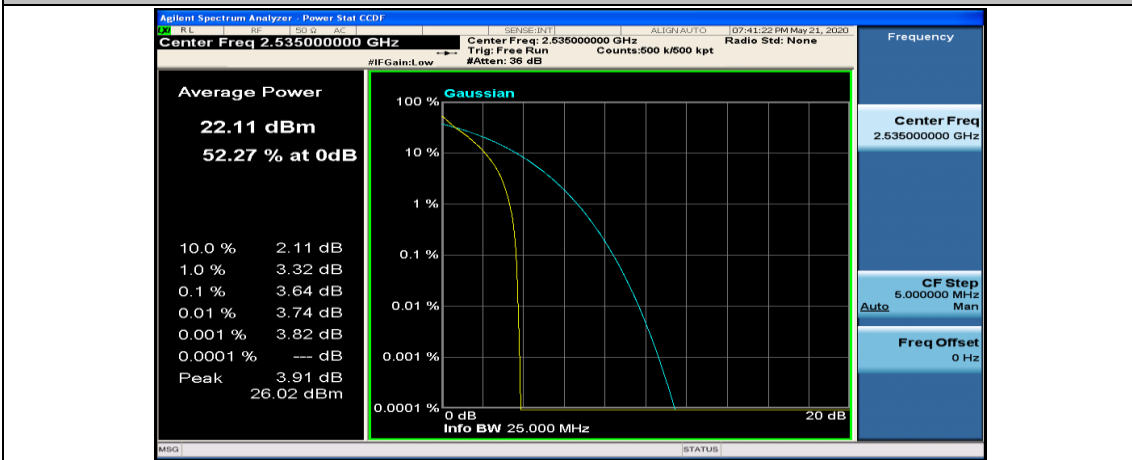
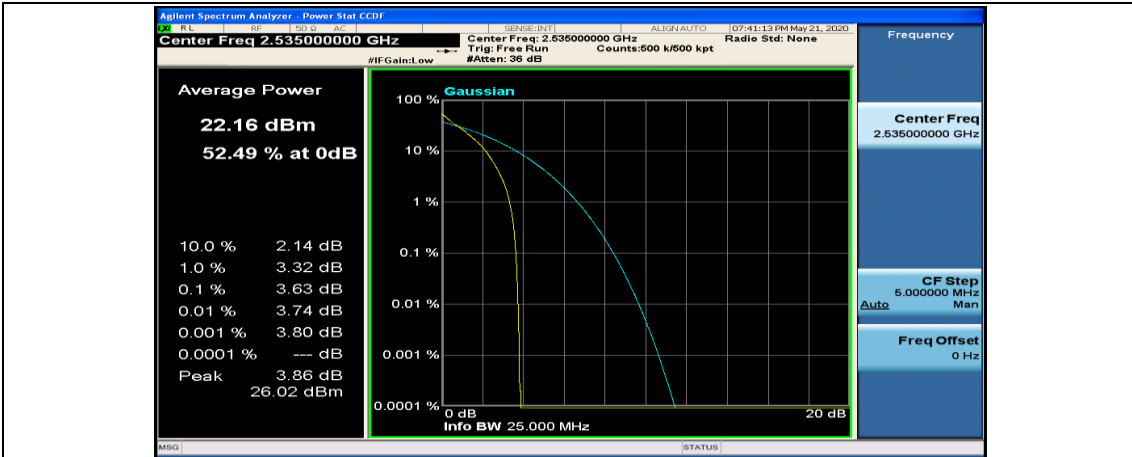


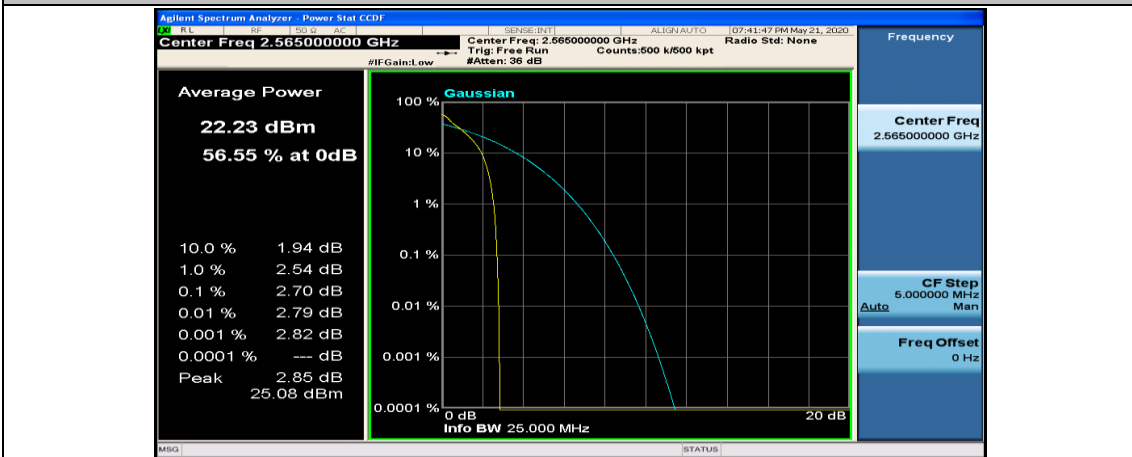
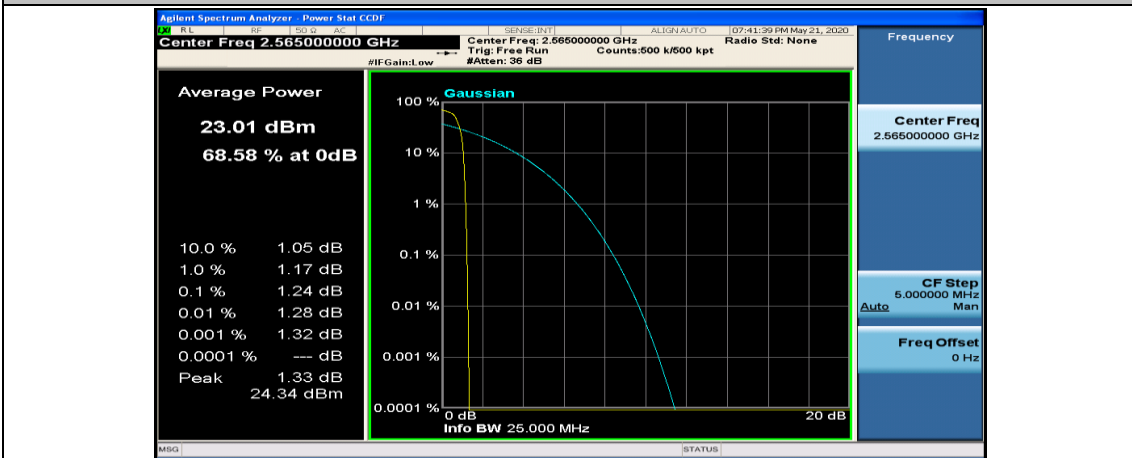
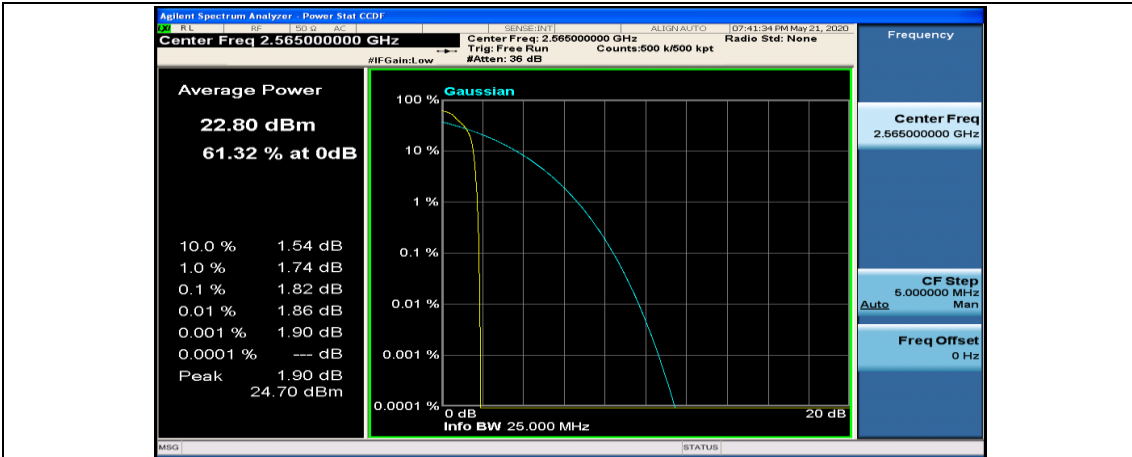
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

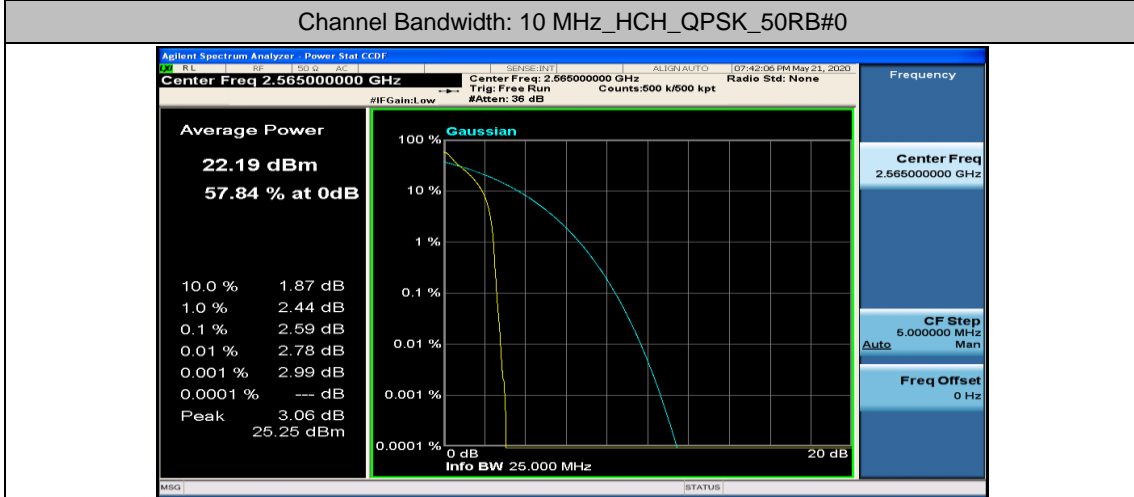
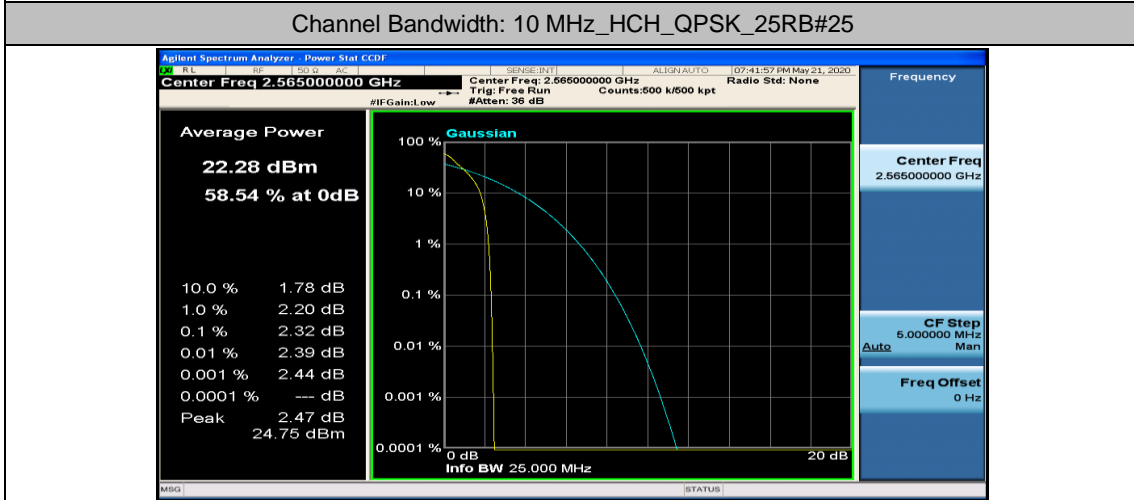
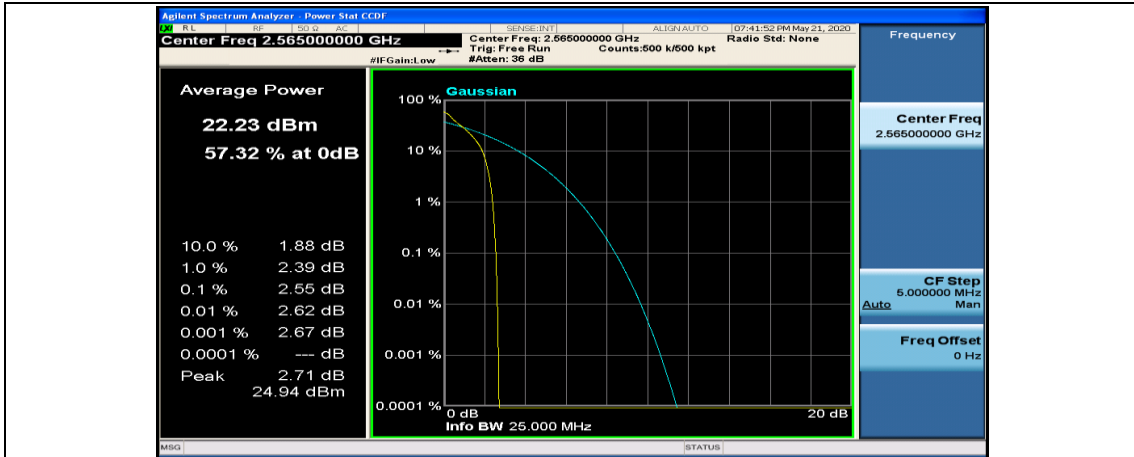


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

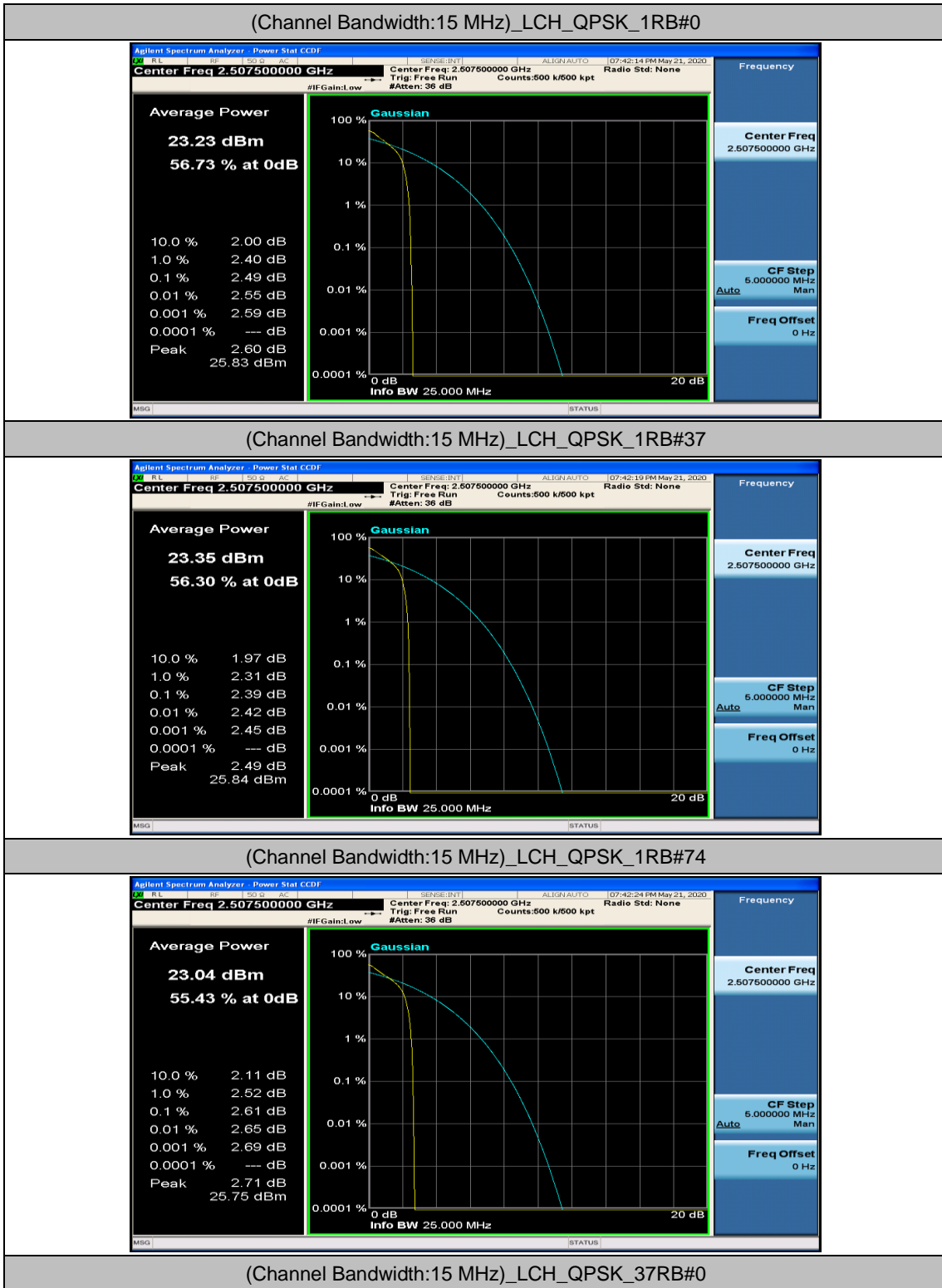


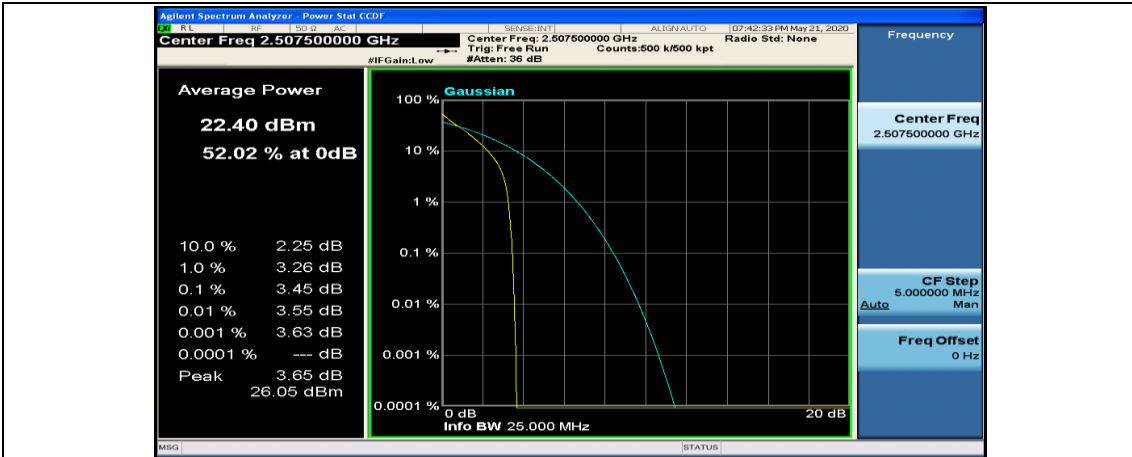




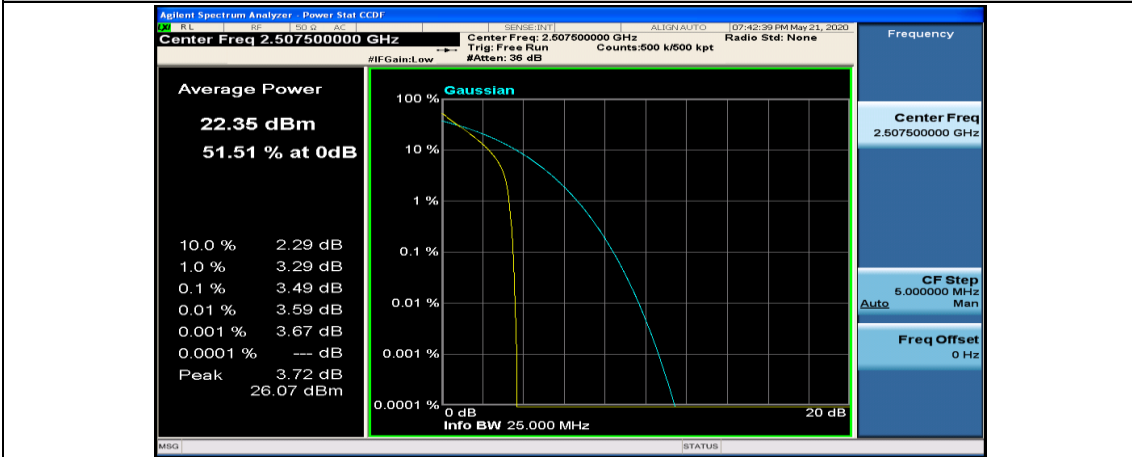


Channel Bandwidth: 15 MHz

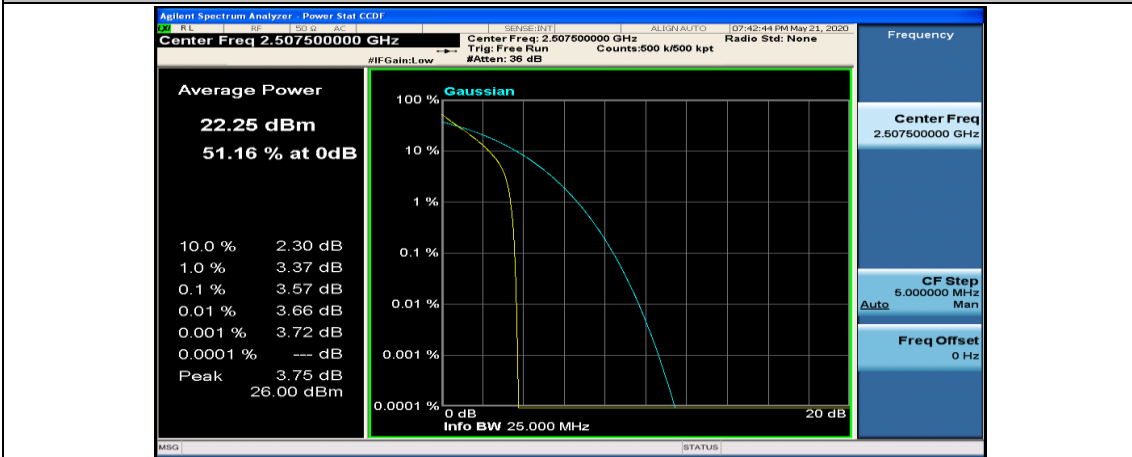




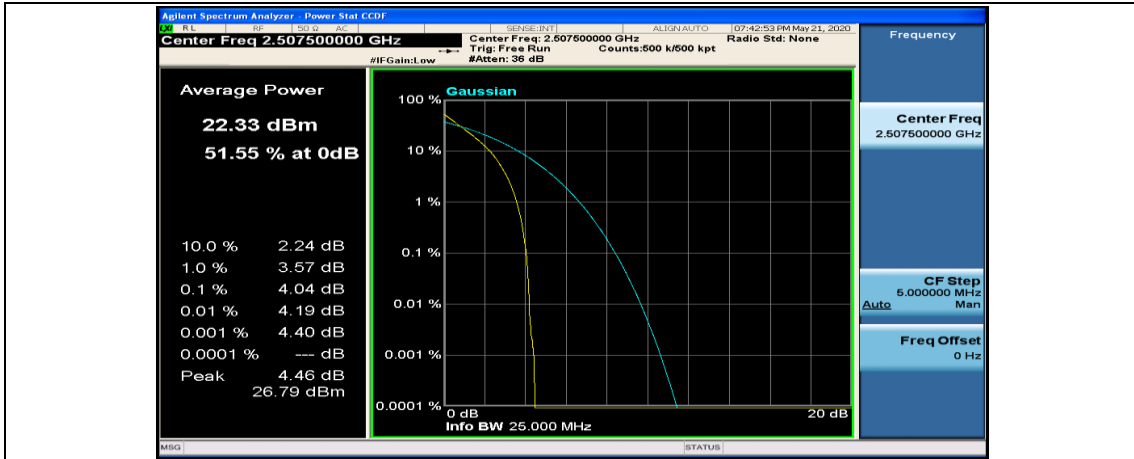
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18



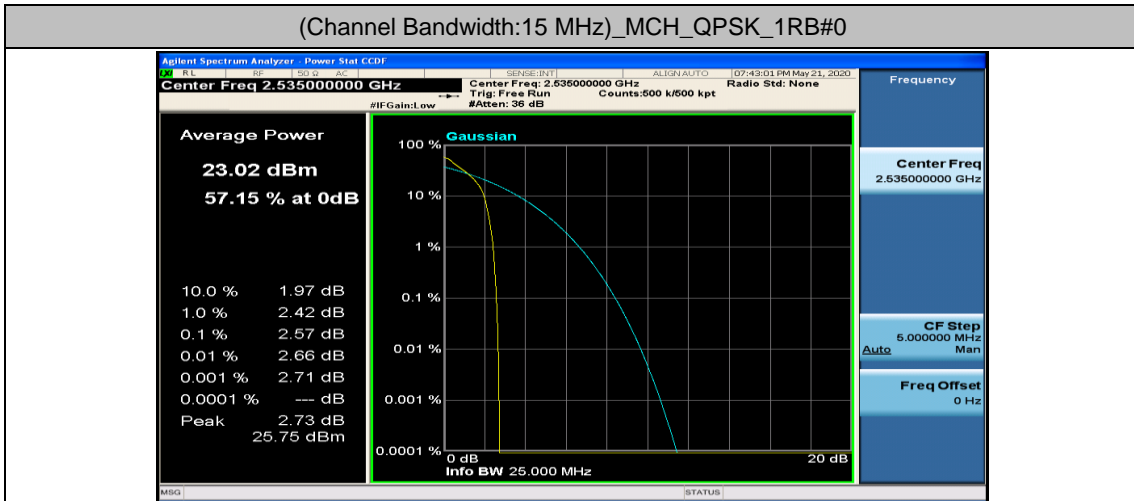
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38



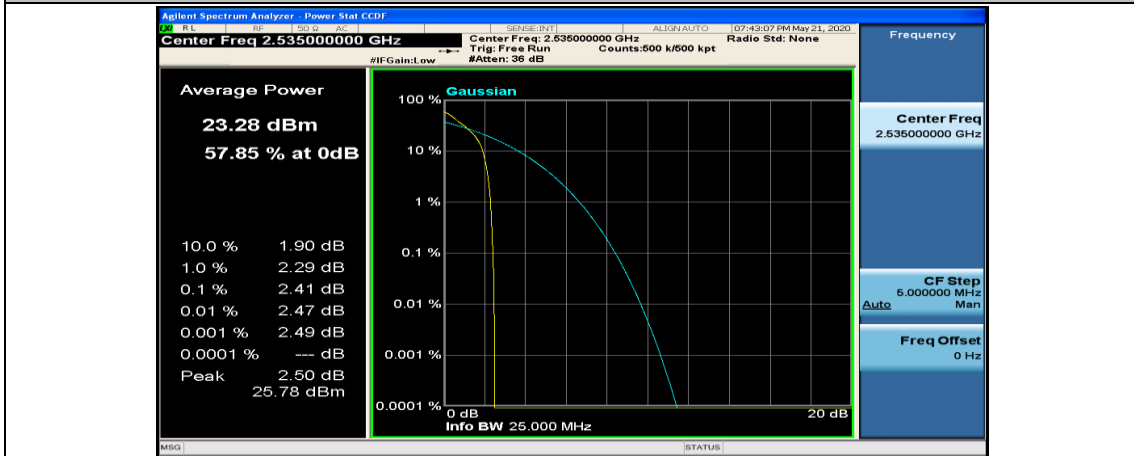
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



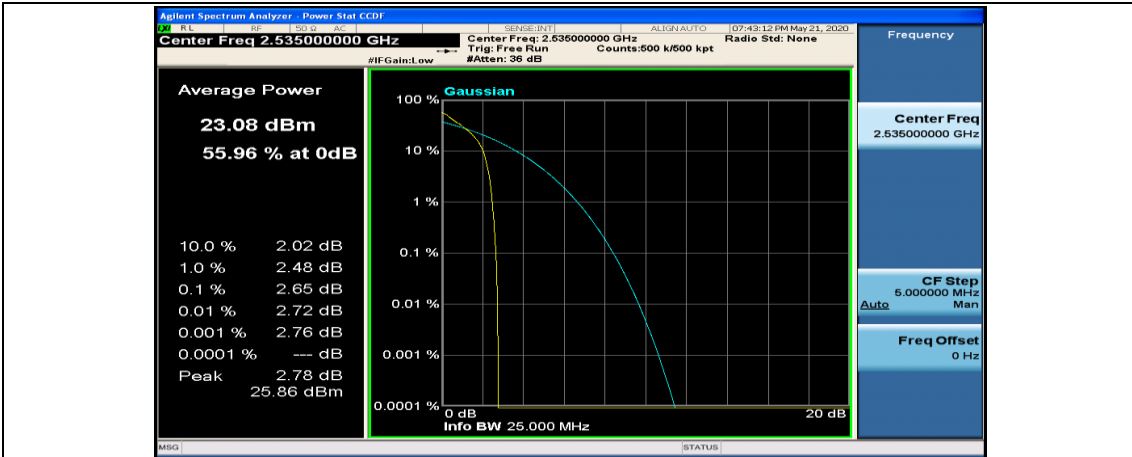
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



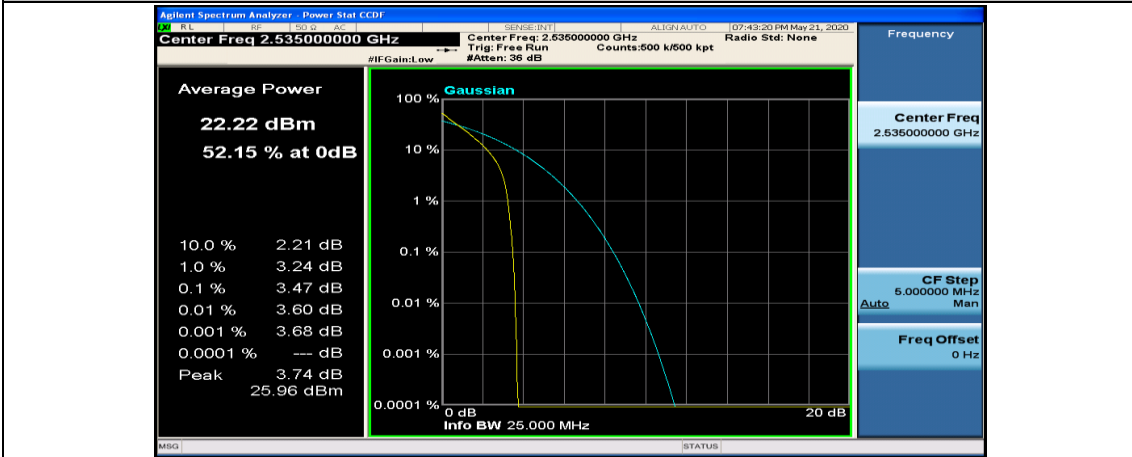
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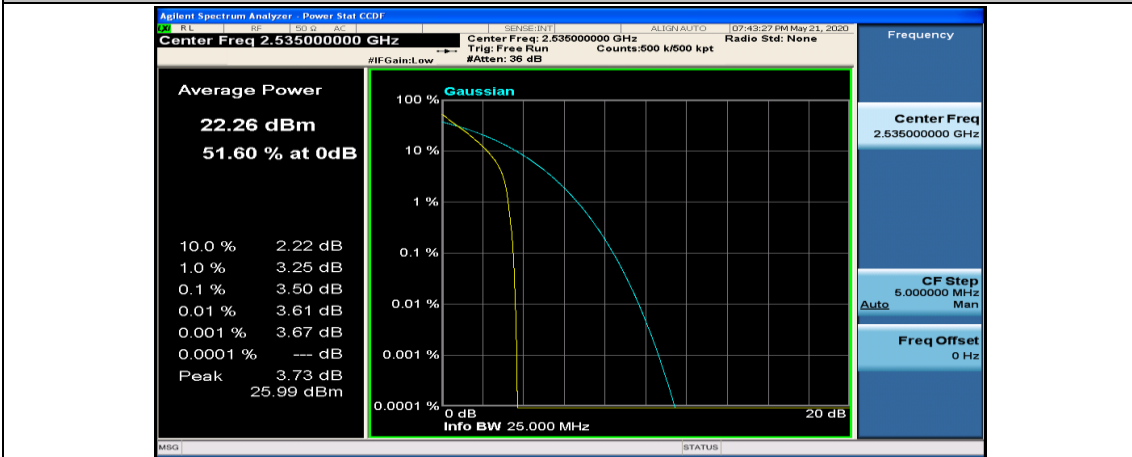
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



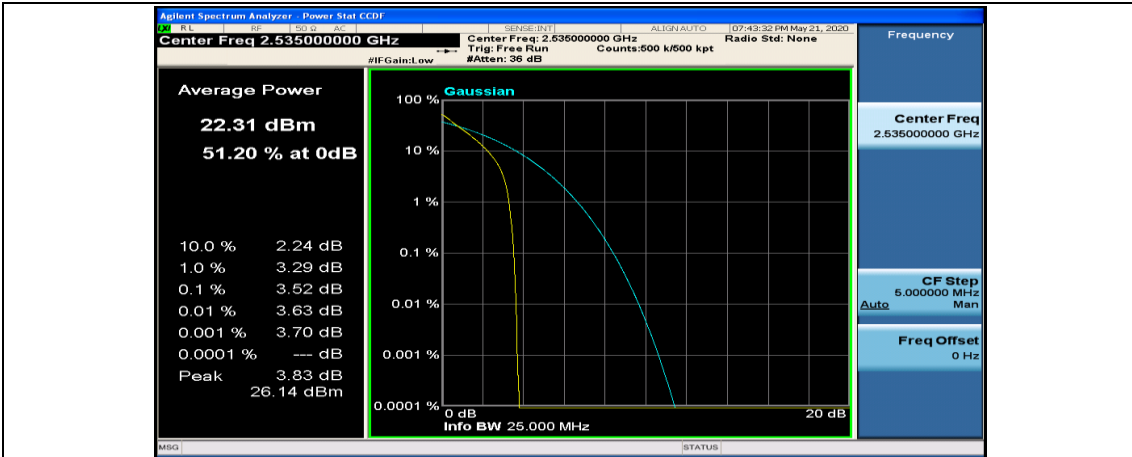
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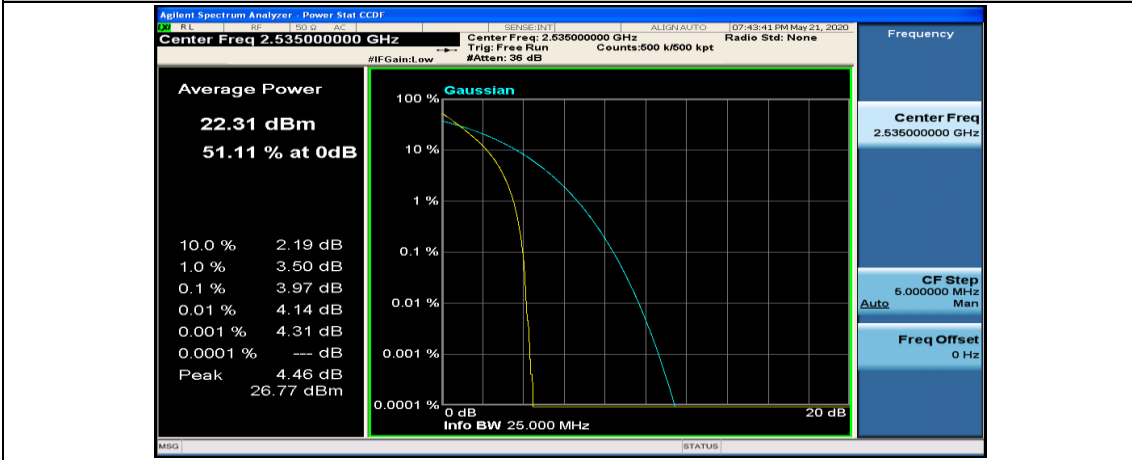
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#18



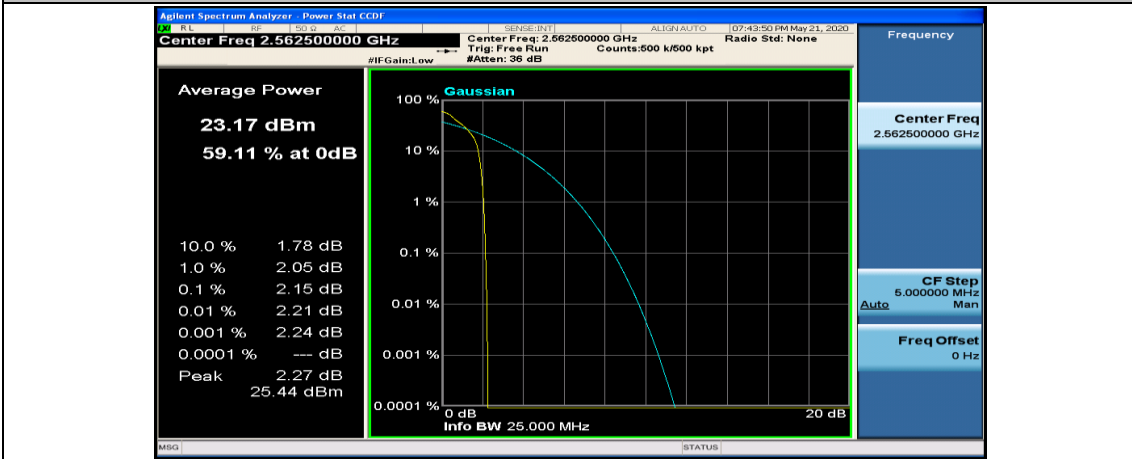
(Channel Bandwidth:15 MHz)_MCH_QPSK_37RB#38



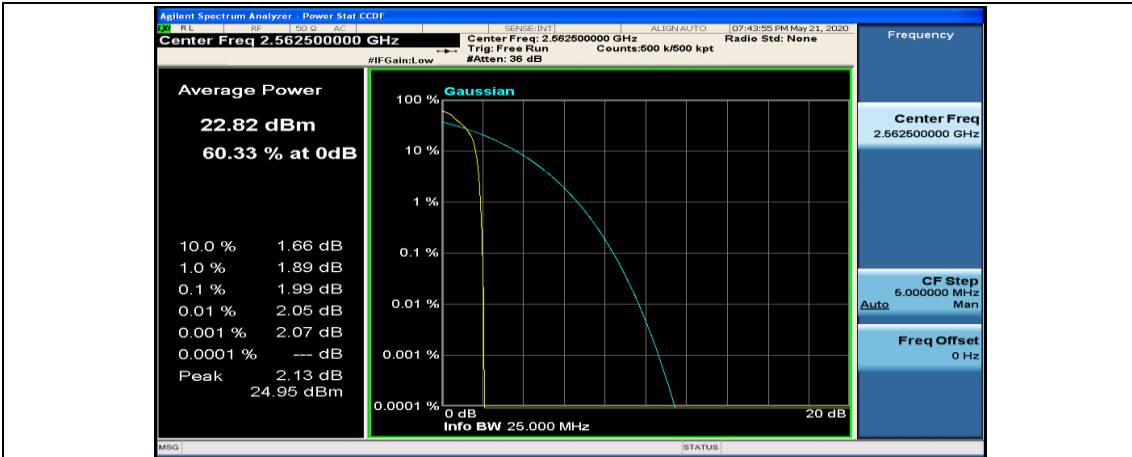
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



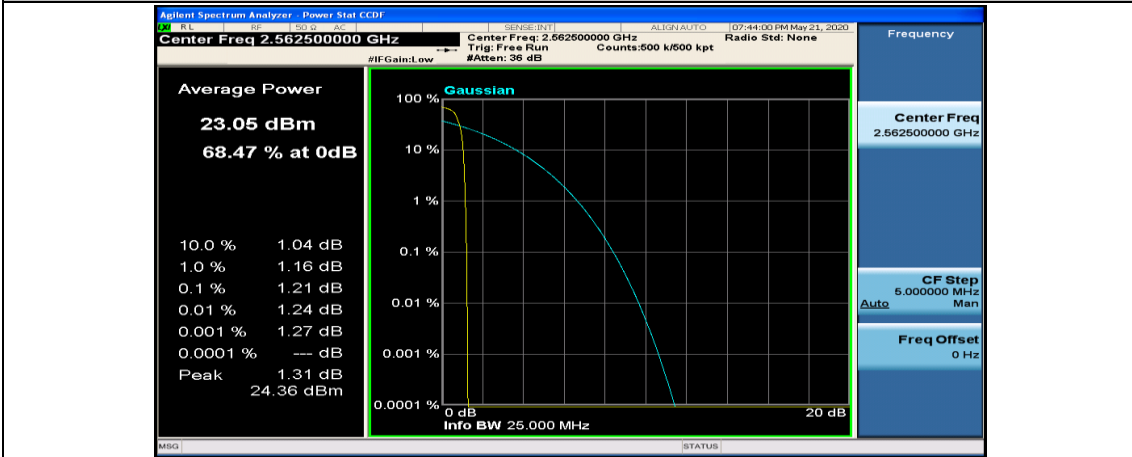
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



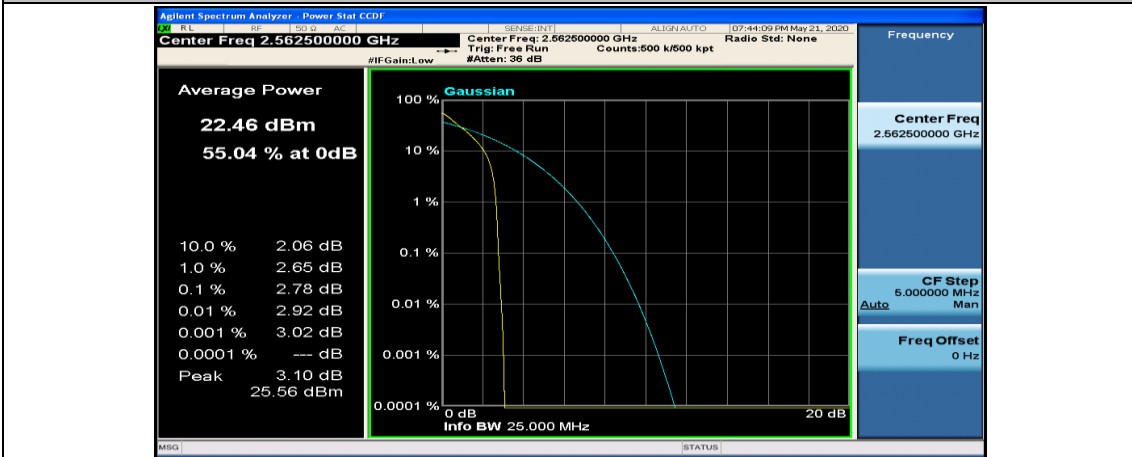
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



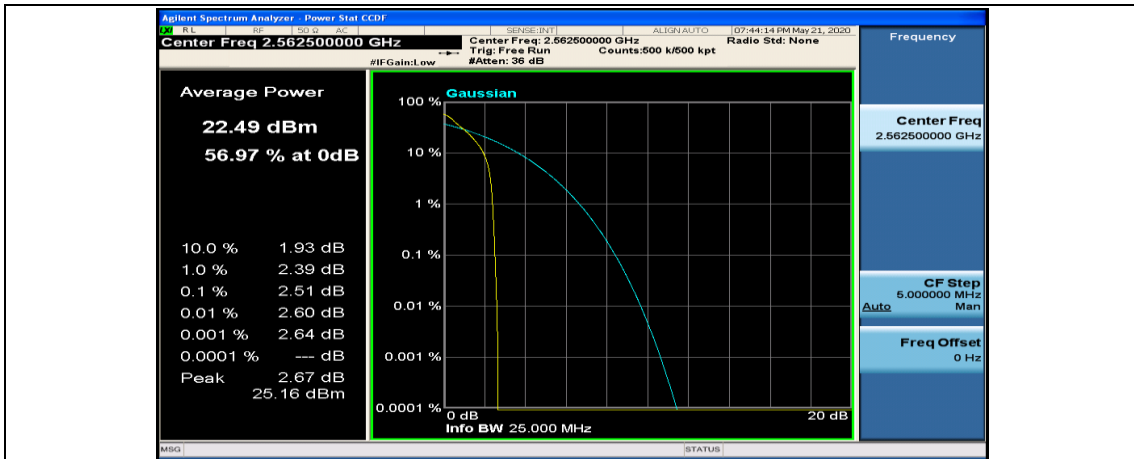
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



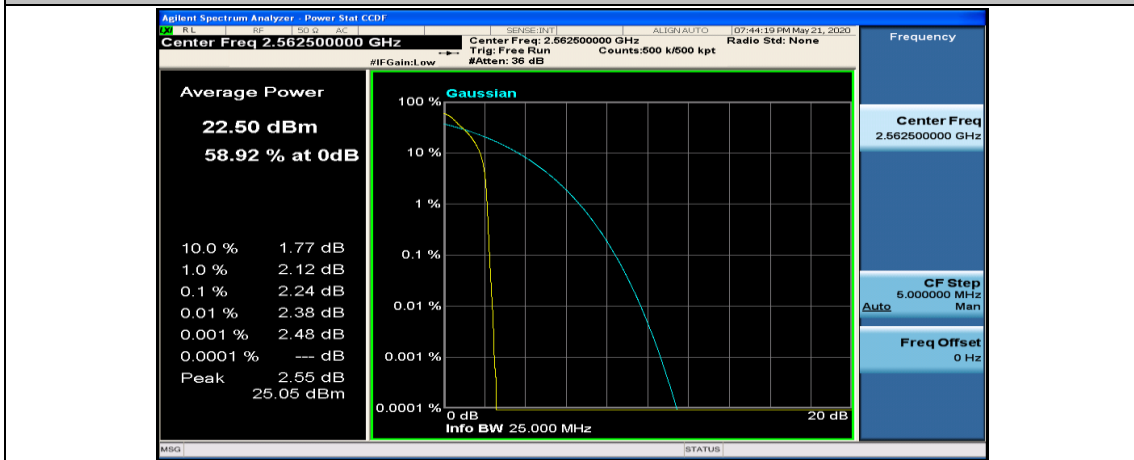
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



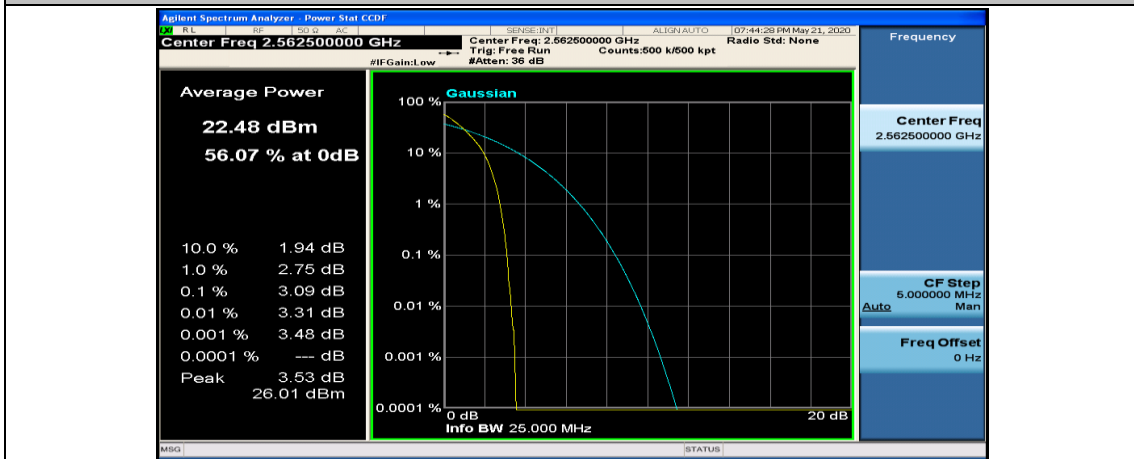
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18



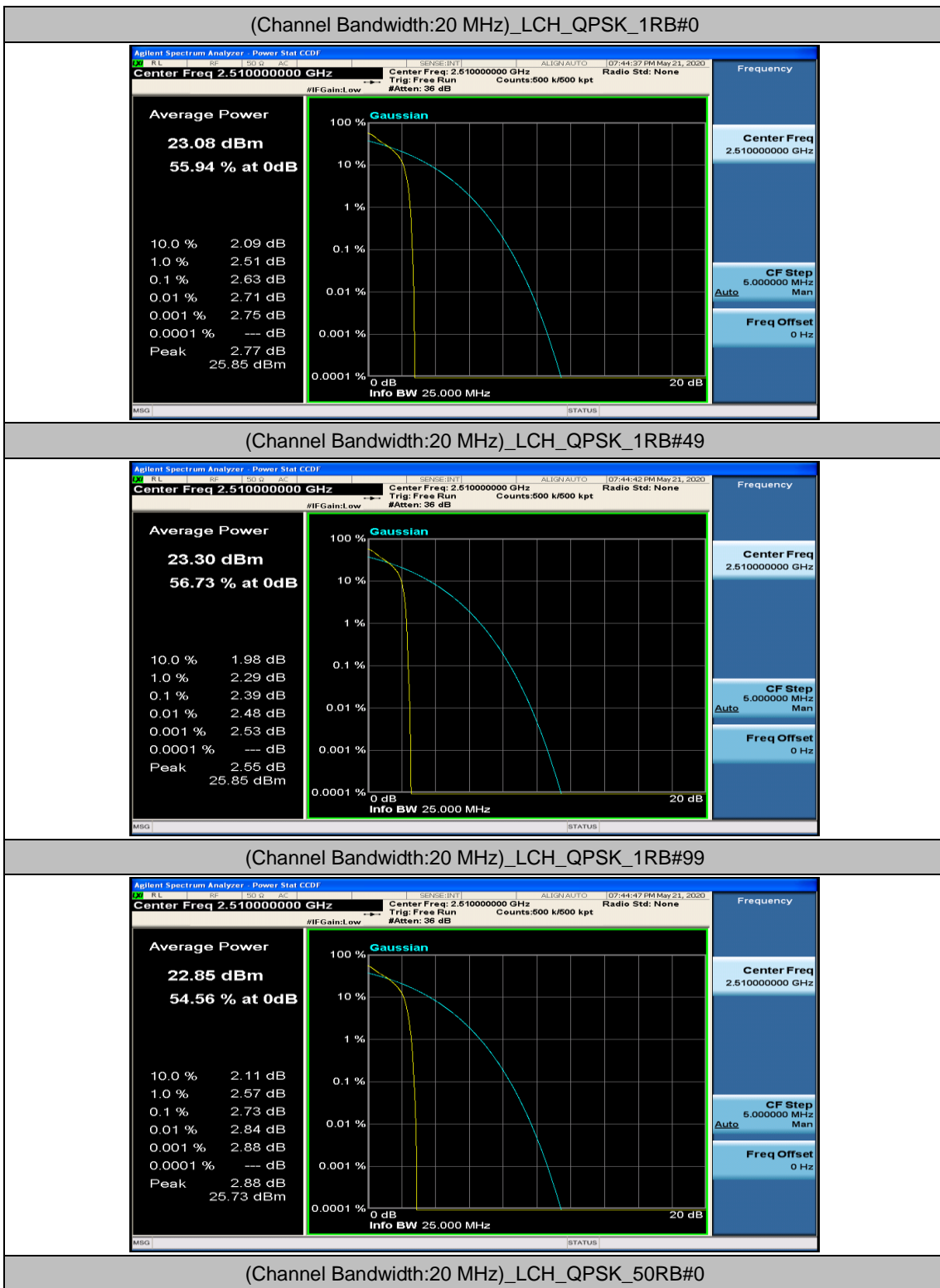
(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

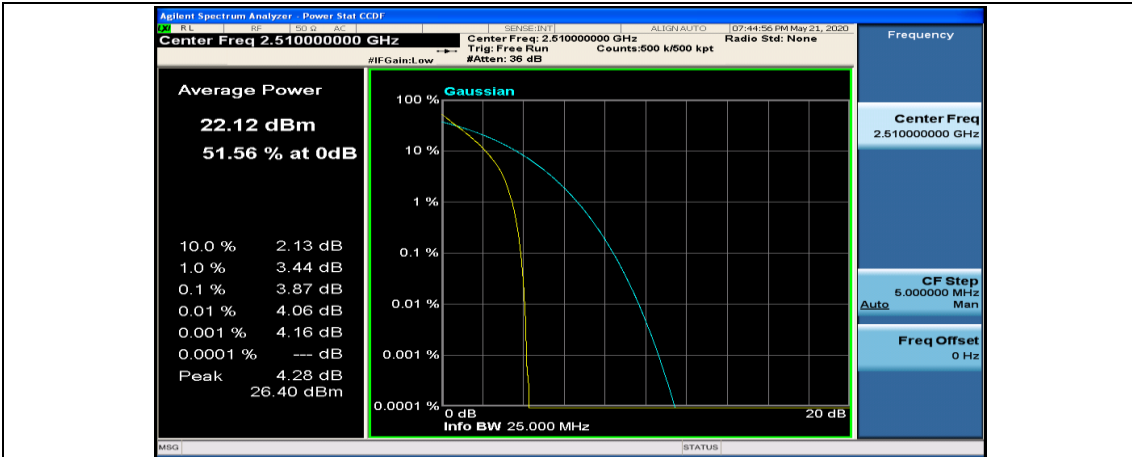


(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

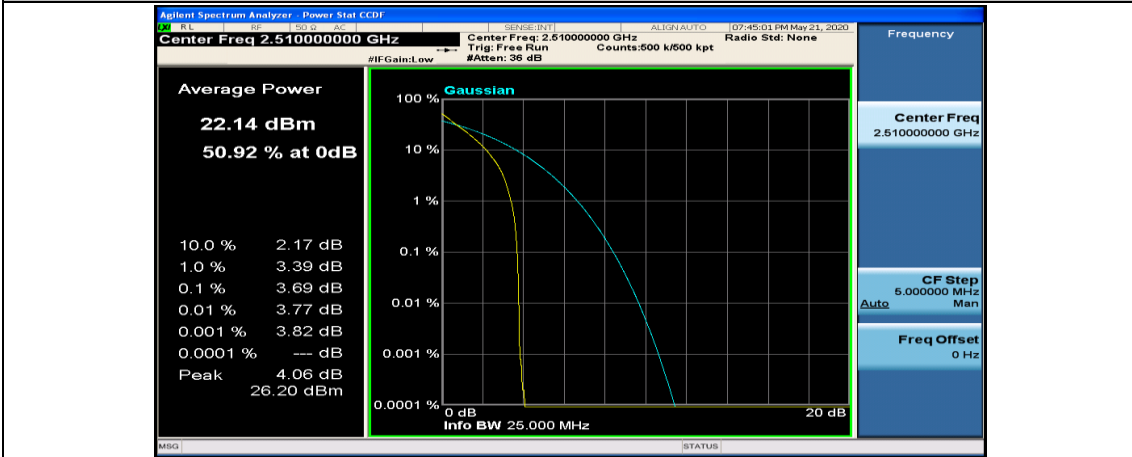


Channel Bandwidth: 20 MHz

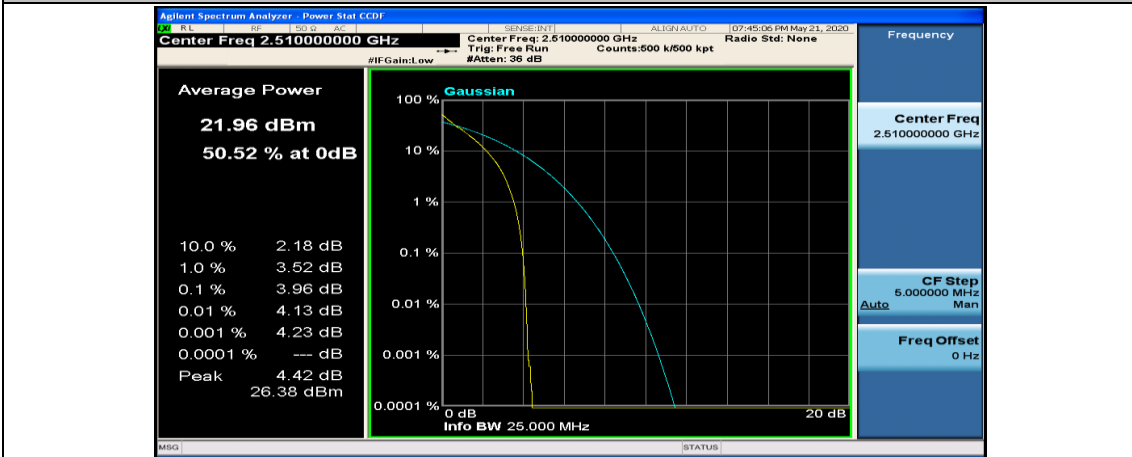




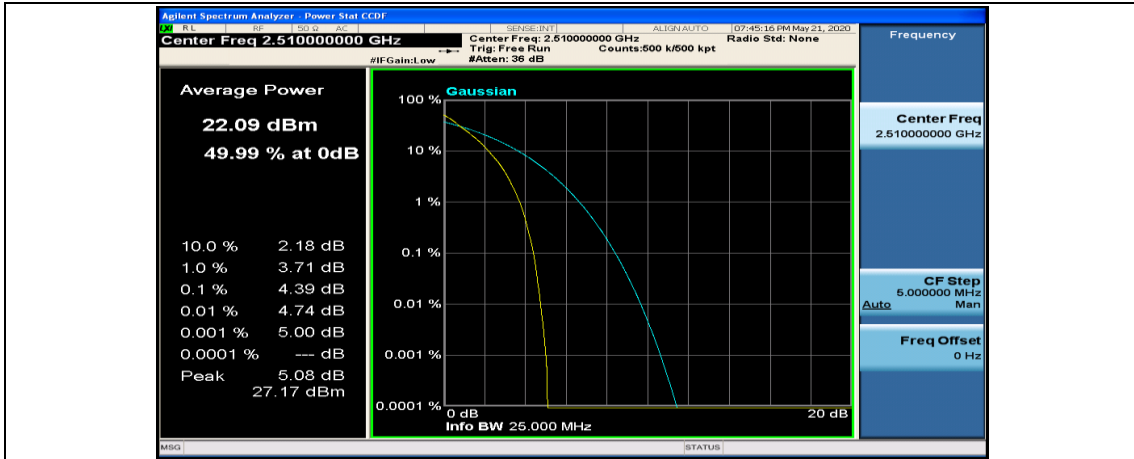
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25



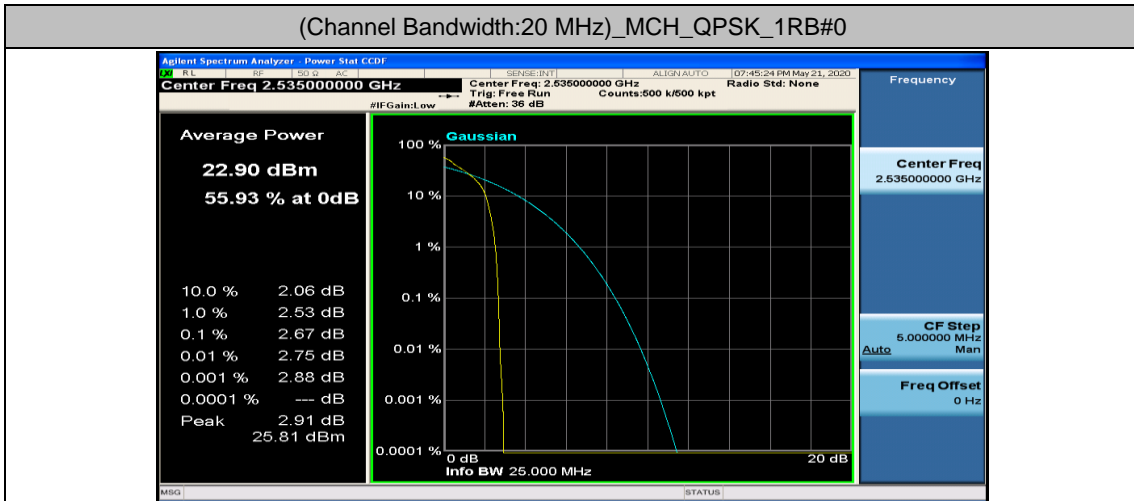
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



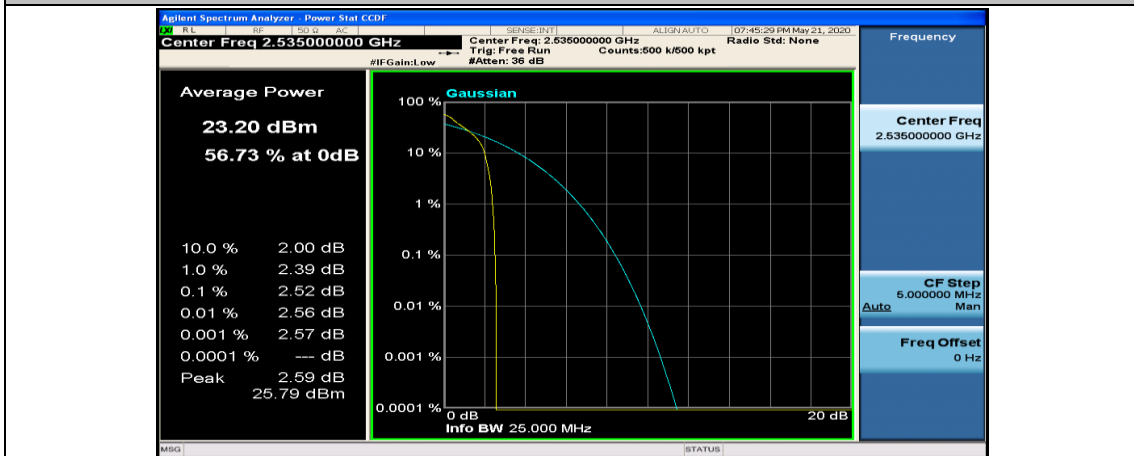
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



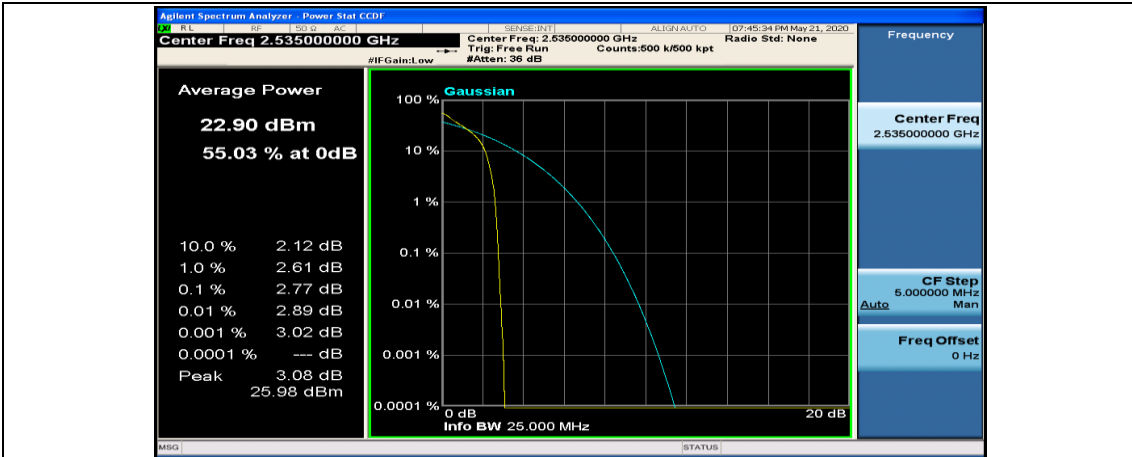
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



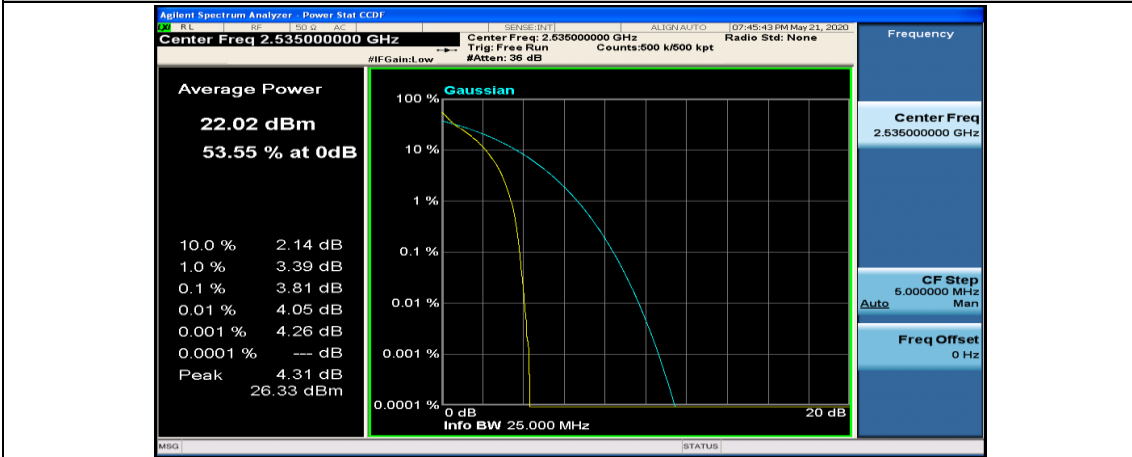
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



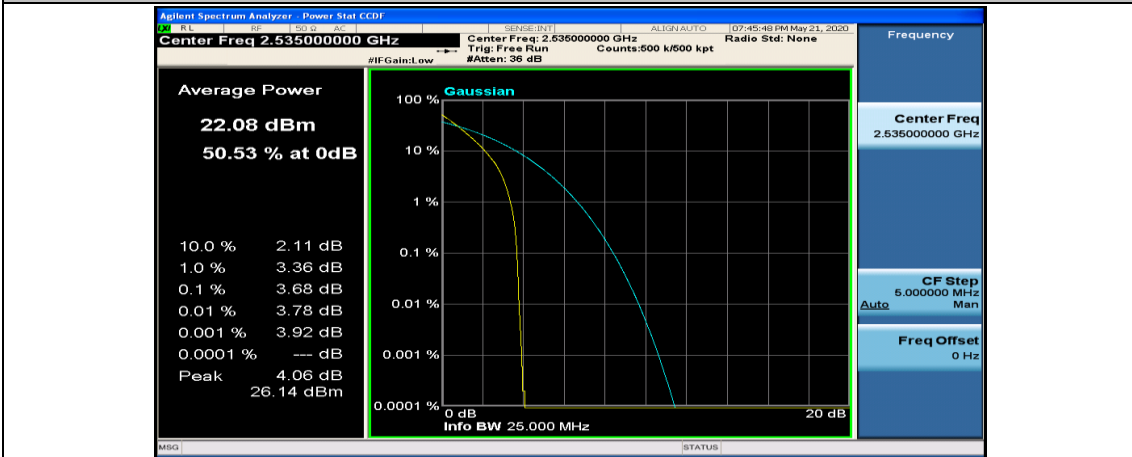
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99



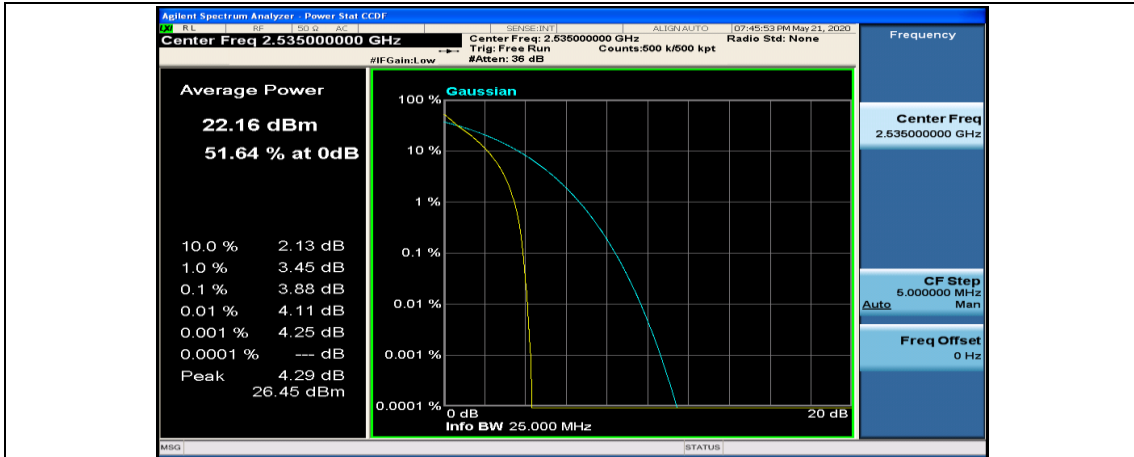
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#0



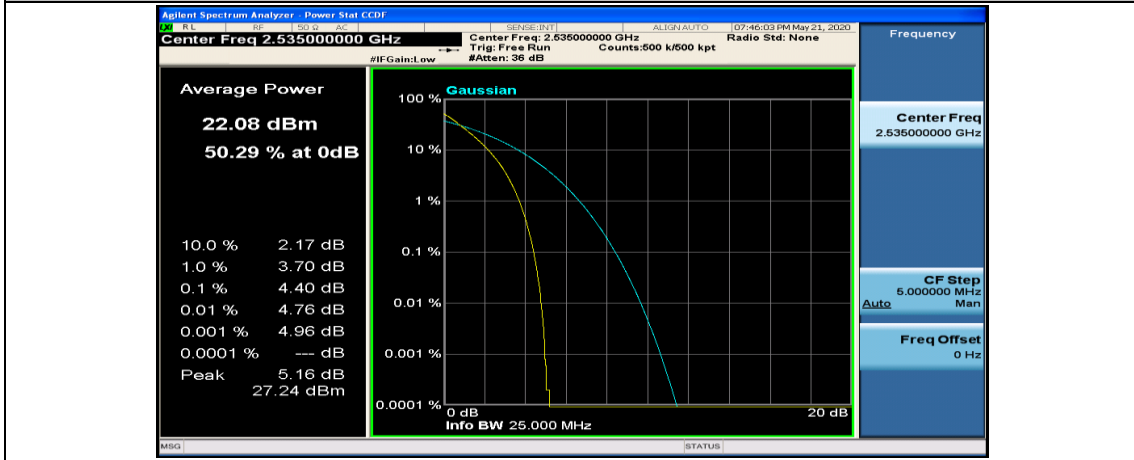
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#25



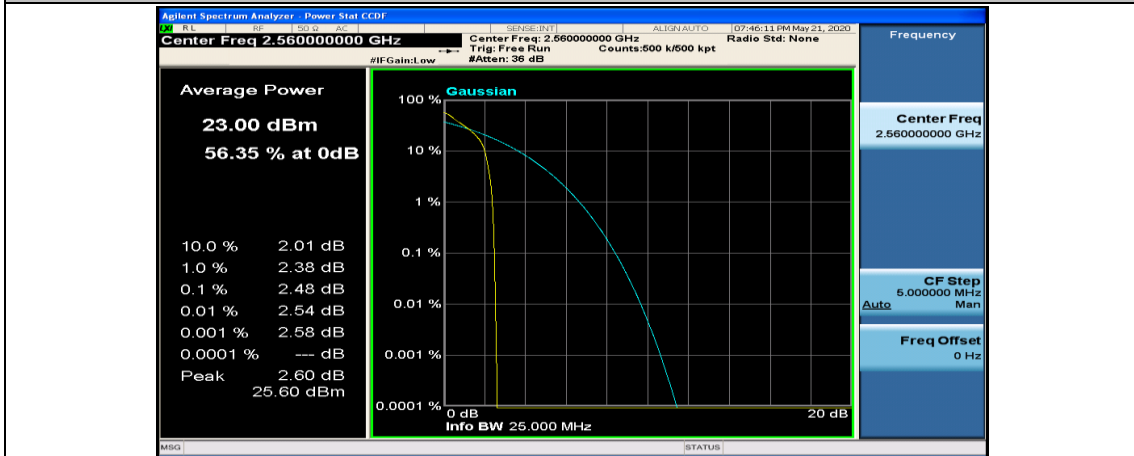
(Channel Bandwidth:20 MHz)_MCH_QPSK_50RB#50



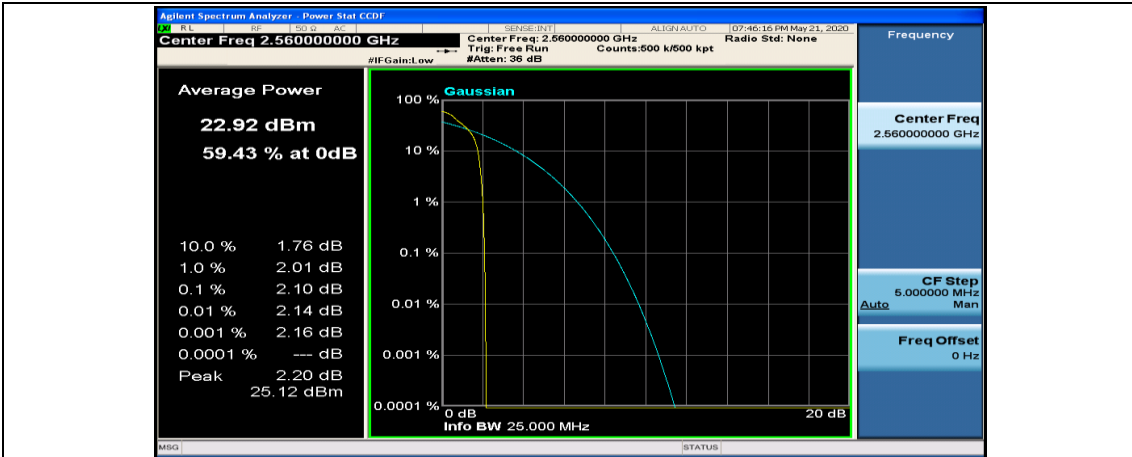
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0



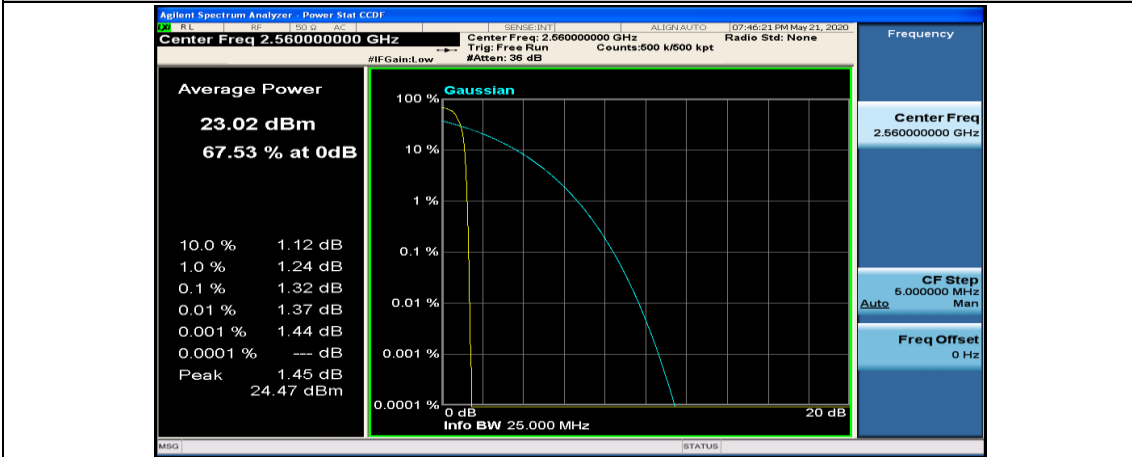
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



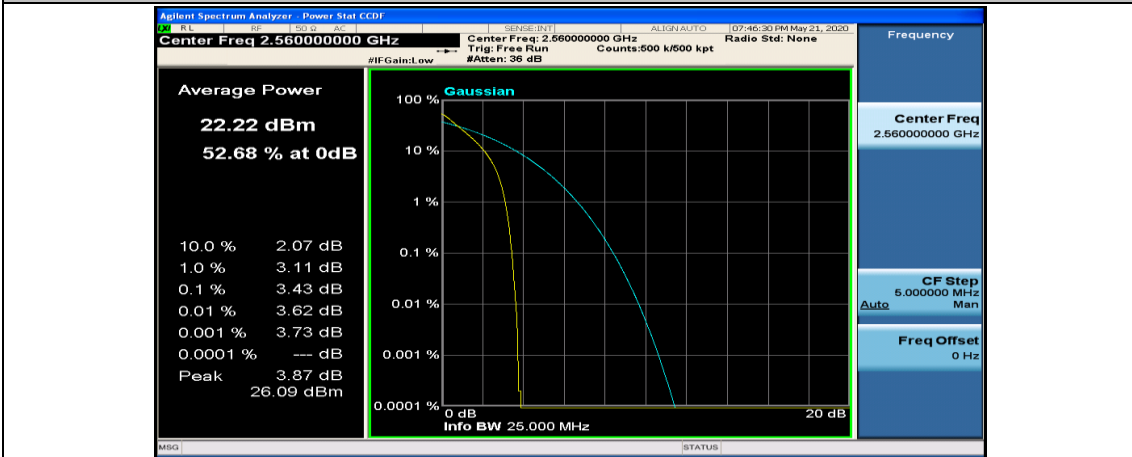
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



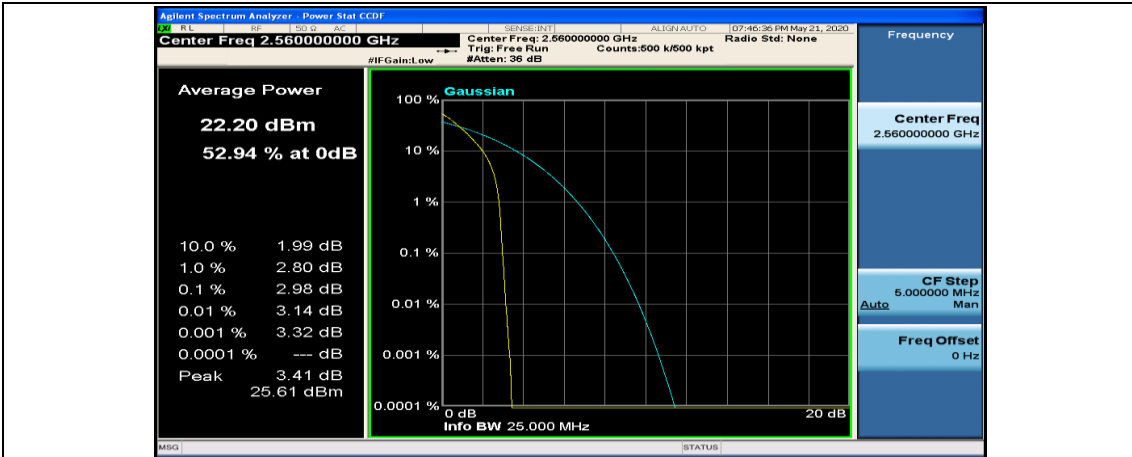
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



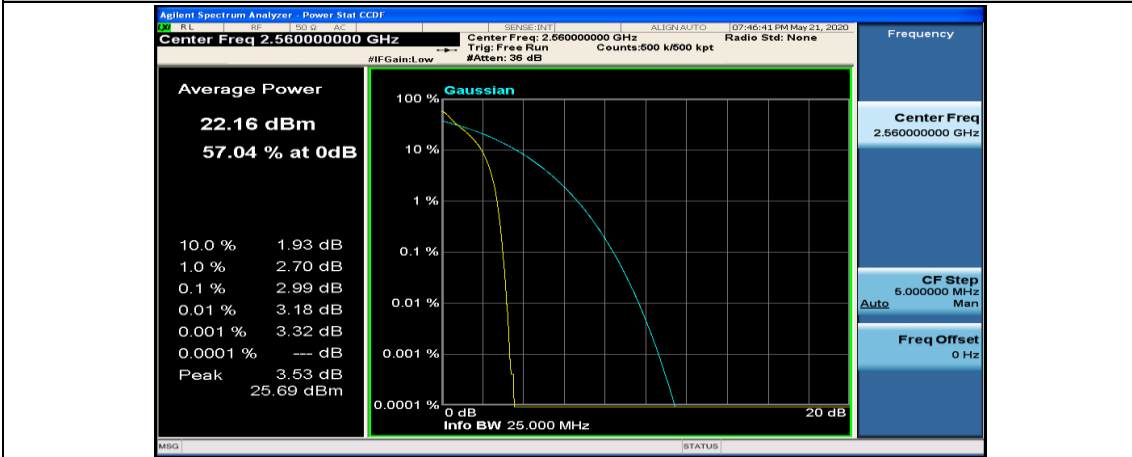
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0



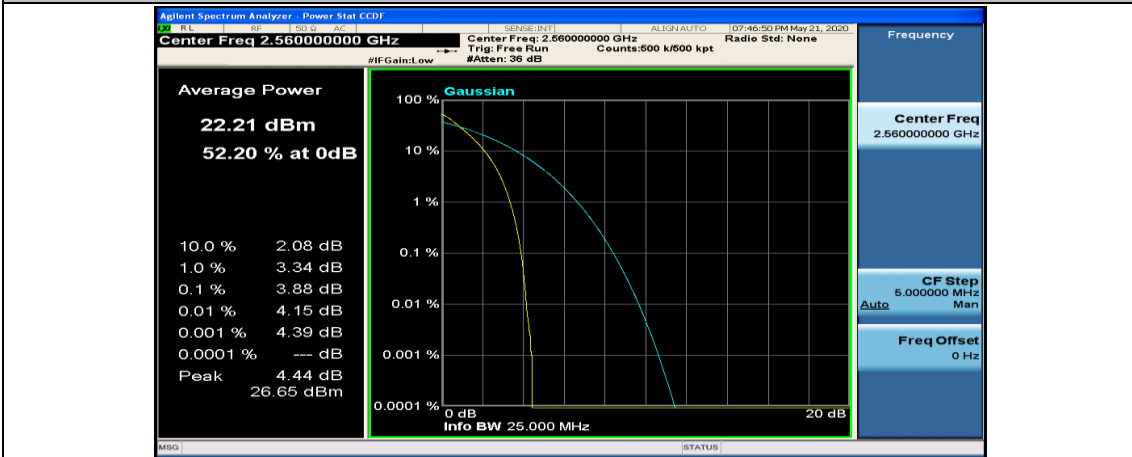
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25



(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50



(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

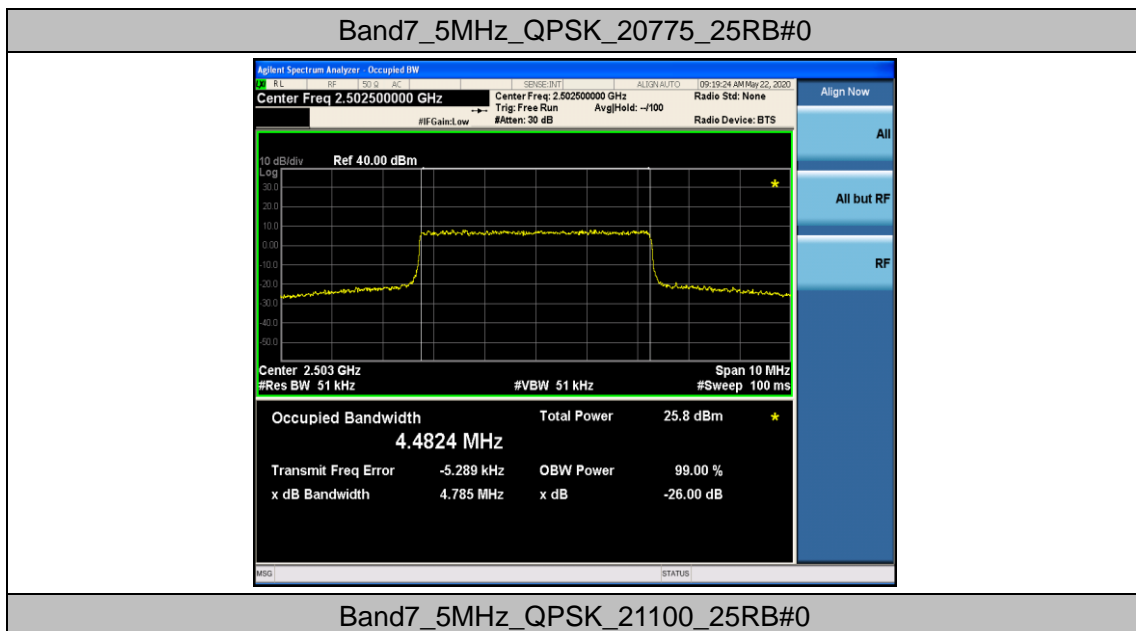


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

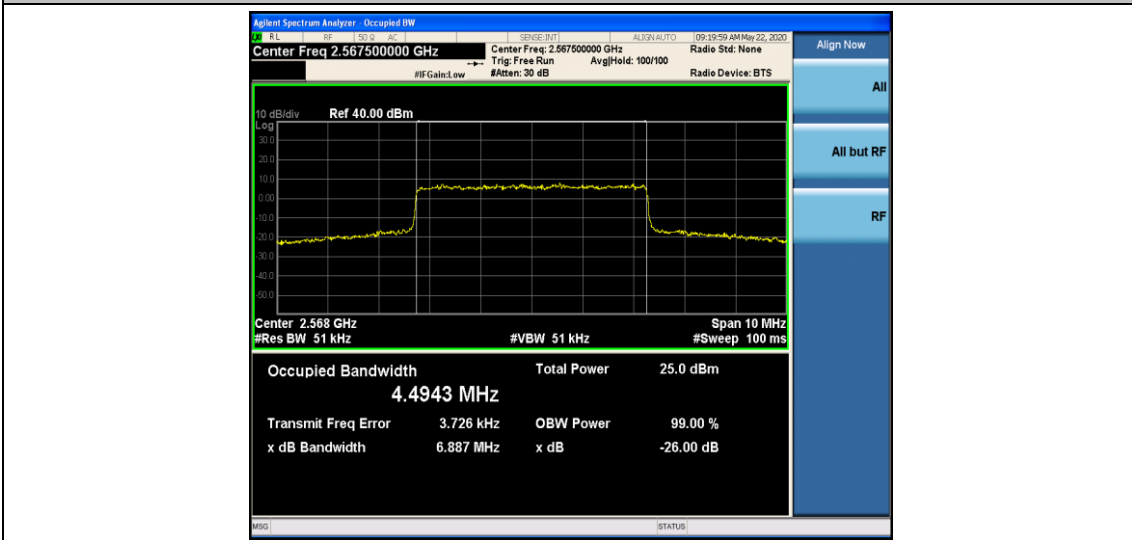
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4824	4.785	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4811	4.811	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4943	6.887	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9341	9.355	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9363	9.366	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9659	14.09	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.379	14.02	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.399	13.99	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.462	27.61	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.835	18.39	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.855	18.50	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.898	21.09	PASS

Test Graphs

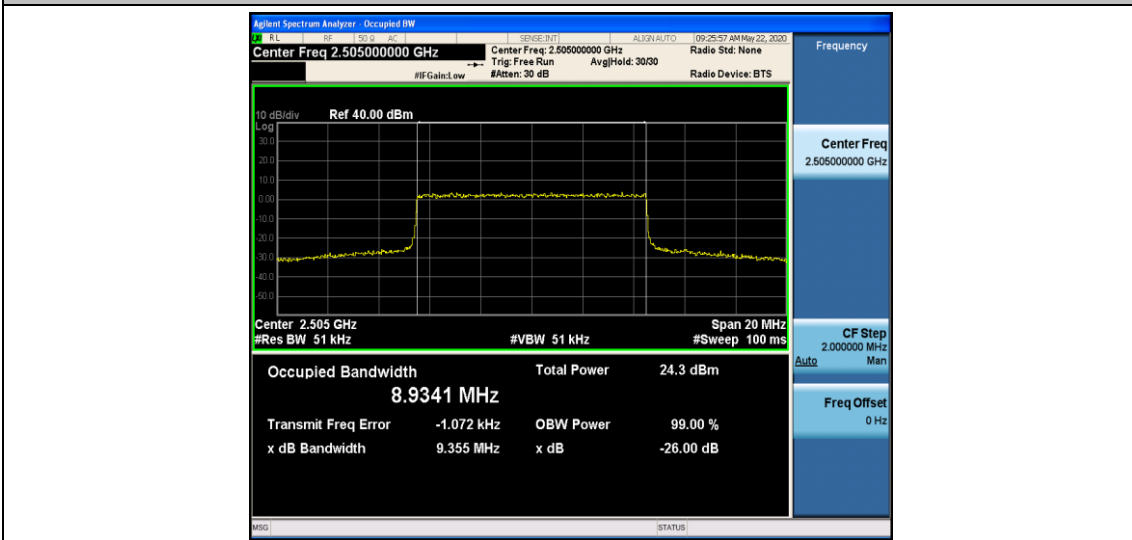




Band7_5MHz_QPSK_21425_25RB#0



Band7_10MHz_QPSK_20800_50RB#0



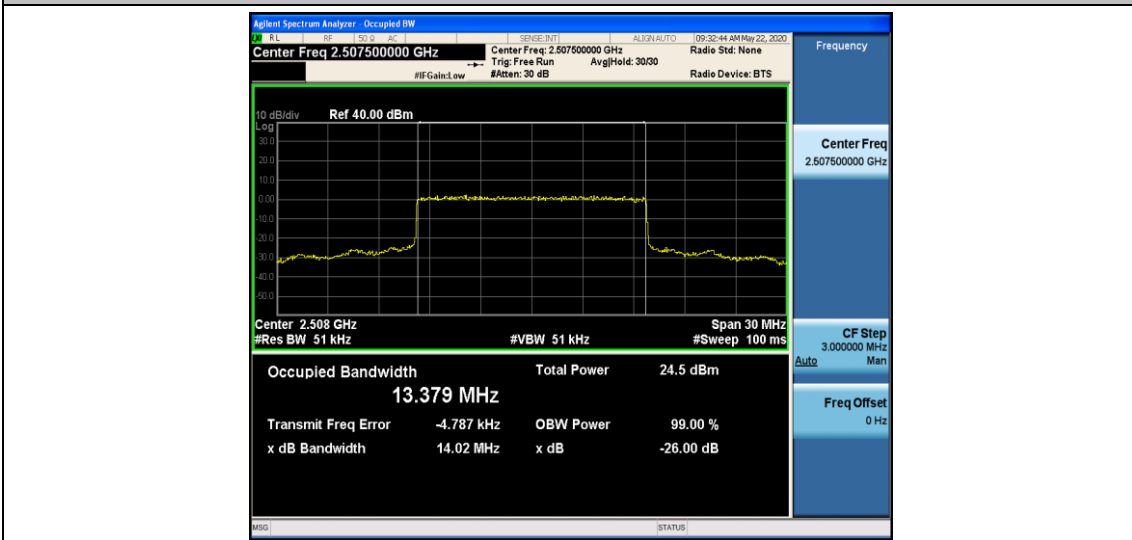
Band7_10MHz_QPSK_21100_50RB#0



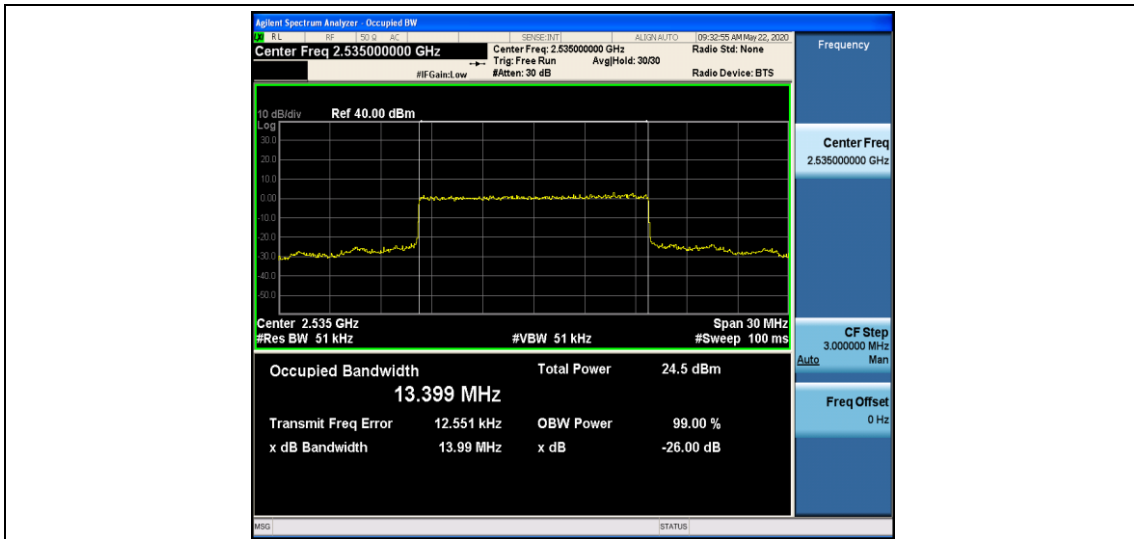
Band7_10MHz_QPSK_21400_50RB#0



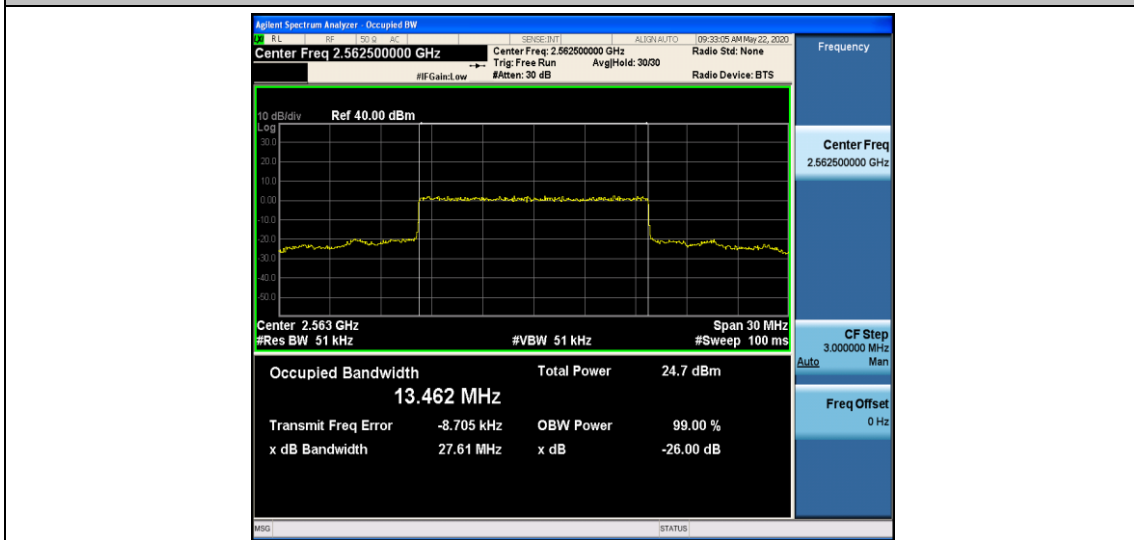
Band7_15MHz_QPSK_20825_75RB#0



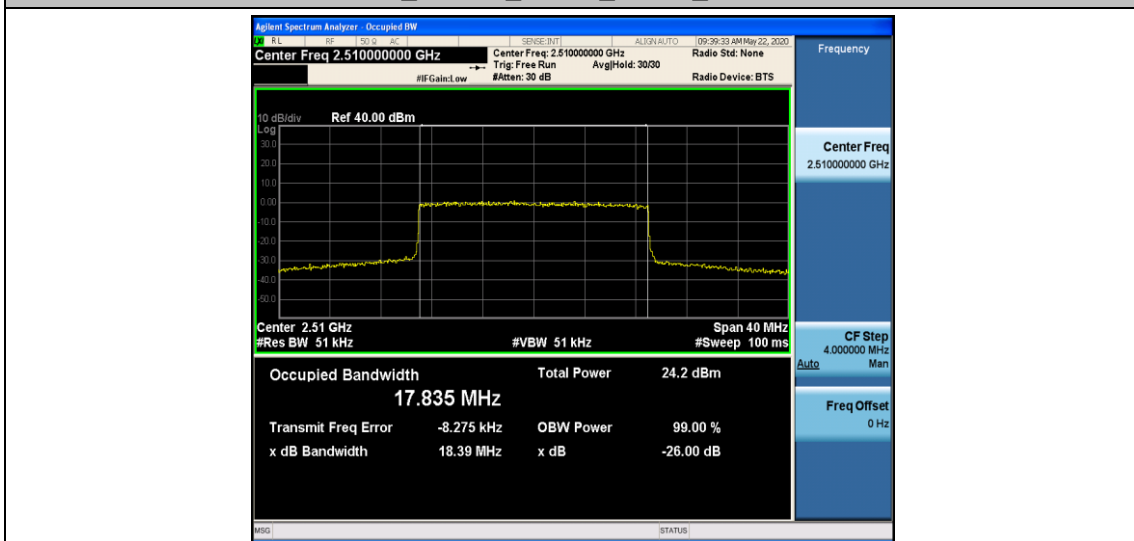
Band7_15MHz_QPSK_21100_75RB#0



Band7_15MHz_QPSK_21375_75RB#0



Band7_20MHz_QPSK_20850_100RB#0



Band7_20MHz_QPSK_21100_100RB#0