

Appendix D.1: Effective (Isotropic) Radiated Power Output

Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	24.03	24.03	PASS
		1	12	23.96	23.96	PASS
		1	24	24.00	24.00	PASS
		12	0	22.95	22.95	PASS
		12	6	23.02	23.02	PASS
		12	13	22.93	22.93	PASS
		25	0	23.04	23.04	PASS
	MCH	1	0	23.99	23.99	PASS
		1	12	23.99	23.99	PASS
		1	24	23.98	23.98	PASS
		12	0	23.01	23.01	PASS
		12	6	22.94	22.94	PASS
		12	13	22.97	22.97	PASS
		25	0	22.93	22.93	PASS
	HCH	1	0	23.43	23.43	PASS
		1	12	23.13	23.13	PASS
		1	24	22.12	22.12	PASS
		12	0	22.61	22.61	PASS
		12	6	22.59	22.59	PASS
		12	13	22.60	22.60	PASS
		25	0	22.52	22.52	PASS
16QAM	LCH	1	0	23.54	23.54	PASS
		1	12	23.58	23.58	PASS
		1	24	23.51	23.51	PASS
		12	0	22.14	22.14	PASS
		12	6	22.10	22.10	PASS
		12	13	22.09	22.09	PASS
		25	0	22.13	22.13	PASS
	MCH	1	0	22.31	22.31	PASS
		1	12	22.41	22.41	PASS
1		24	22.33	22.33	PASS	

		12	0	22.17	22.17	PASS
		12	6	22.08	22.08	PASS
		12	13	22.17	22.17	PASS
		25	0	22.26	22.26	PASS
	HCH	1	0	22.88	22.88	PASS
		1	12	22.83	22.83	PASS
		1	24	22.16	22.16	PASS
		12	0	22.02	22.02	PASS
		12	6	22.00	22.00	PASS
		12	13	21.99	21.99	PASS
		25	0	21.72	21.72	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.18	23.18	PASS
		1	24	23.52	23.52	PASS
		1	49	23.90	23.90	PASS
		25	0	23.00	23.00	PASS
		25	12	23.04	23.04	PASS
		25	25	23.02	23.02	PASS
		50	0	22.90	22.90	PASS
	MCH	1	0	23.81	23.81	PASS
		1	24	23.82	23.82	PASS
		1	49	23.79	23.79	PASS
		25	0	22.97	22.97	PASS
		25	12	23.04	23.04	PASS
		25	25	23.05	23.05	PASS
		50	0	23.05	23.05	PASS
	HCH	1	0	23.75	23.75	PASS
		1	24	23.62	23.62	PASS
		1	49	22.42	22.42	PASS
		25	0	22.80	22.80	PASS
		25	12	22.69	22.69	PASS
		25	25	22.69	22.69	PASS
		50	0	22.65	22.65	PASS
16QAM	LCH	1	0	23.10	23.10	PASS
		1	24	23.56	23.56	PASS
		1	49	24.10	24.10	PASS
		25	0	22.13	22.13	PASS
		25	12	22.12	22.12	PASS

		25	25	22.05	22.05	PASS
		50	0	22.21	22.21	PASS
	MCH	1	0	24.01	24.01	PASS
		1	24	24.04	24.04	PASS
		1	49	23.93	23.93	PASS
		25	0	21.98	21.98	PASS
		25	12	21.94	21.94	PASS
		25	25	22.02	22.02	PASS
		50	0	22.06	22.06	PASS
		HCH	1	0	23.24	23.24
	1		24	23.28	23.28	PASS
	1		49	22.70	22.70	PASS
	25		0	21.87	21.87	PASS
	25		12	21.85	21.85	PASS
	25		25	21.82	21.82	PASS
	50		0	21.87	21.87	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.76	22.76	PASS
		1	37	23.51	23.51	PASS
		1	74	23.80	23.80	PASS
		37	0	22.95	22.95	PASS
		37	18	23.05	23.05	PASS
		37	38	22.88	22.88	PASS
		75	0	22.94	22.94	PASS
	MCH	1	0	23.74	23.74	PASS
		1	37	23.82	23.82	PASS
		1	74	23.34	23.34	PASS
		37	0	23.05	23.05	PASS
		37	18	22.96	22.96	PASS
		37	38	22.94	22.94	PASS
		75	0	22.99	22.99	PASS
	HCH	1	0	23.76	23.76	PASS
		1	37	23.85	23.85	PASS
		1	74	22.18	22.18	PASS
		37	0	22.69	22.69	PASS
		37	18	22.67	22.67	PASS
		37	38	22.63	22.63	PASS
		75	0	22.72	22.72	PASS

16QAM	LCH	1	0	22.91	22.91	PASS
		1	37	23.86	23.86	PASS
		1	74	24.09	24.09	PASS
		37	0	22.20	22.20	PASS
		37	18	22.14	22.14	PASS
		37	38	22.13	22.13	PASS
		75	0	22.15	22.15	PASS
	MCH	1	0	24.04	24.04	PASS
		1	37	24.13	24.13	PASS
		1	74	23.51	23.51	PASS
		37	0	22.06	22.06	PASS
		37	18	22.04	22.04	PASS
		37	38	22.00	22.00	PASS
		75	0	22.20	22.20	PASS
	HCH	1	0	23.66	23.66	PASS
		1	37	23.71	23.71	PASS
		1	74	22.38	22.38	PASS
		37	0	21.77	21.77	PASS
		37	18	21.91	21.91	PASS
		37	38	21.84	21.84	PASS
		75	0	21.88	21.88	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.90	22.90	PASS
		1	49	24.03	24.03	PASS
		1	99	24.29	24.29	PASS
		50	0	22.99	22.99	PASS
		50	25	22.88	22.88	PASS
		50	50	22.98	22.98	PASS
		100	0	22.91	22.91	PASS
	MCH	1	0	24.22	24.22	PASS
		1	49	24.23	24.23	PASS
		1	99	23.84	23.84	PASS
		50	0	22.99	22.99	PASS
		50	25	22.97	22.97	PASS
		50	50	22.99	22.99	PASS
		100	0	23.04	23.04	PASS
	HCH	1	0	23.73	23.73	PASS
		1	49	24.03	24.03	PASS

		1	99	22.69	22.69	PASS
		50	0	22.69	22.69	PASS
		50	25	22.65	22.65	PASS
		50	50	22.69	22.69	PASS
		100	0	22.58	22.58	PASS
16QAM	LCH	1	0	22.76	22.76	PASS
		1	49	22.78	22.78	PASS
		1	99	22.69	22.69	PASS
		50	0	22.22	22.22	PASS
		50	25	22.13	22.13	PASS
		50	50	22.12	22.12	PASS
		100	0	22.00	22.00	PASS
	MCH	1	0	22.99	22.99	PASS
		1	49	23.07	23.07	PASS
		1	99	23.02	23.02	PASS
		50	0	22.09	22.09	PASS
		50	25	22.11	22.11	PASS
		50	50	22.08	22.08	PASS
		100	0	22.21	22.21	PASS
	HCH	1	0	22.89	22.89	PASS
		1	49	22.92	22.92	PASS
		1	99	22.81	22.81	PASS
		50	0	21.78	21.78	PASS
		50	25	21.89	21.89	PASS
		50	50	21.87	21.87	PASS
		100	0	21.88	21.88	PASS

Appendix D.2: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.7	<13	PASS
		25	0	4.82	<13	PASS
	MCH	1	0	2.69	<13	PASS
		25	0	4.62	<13	PASS
	HCH	1	0	3.07	<13	PASS
		25	0	4.51	<13	PASS
16QAM	LCH	1	0	3.99	<13	PASS
		25	0	5.45	<13	PASS
	MCH	1	0	3.84	<13	PASS
		25	0	5.31	<13	PASS
	HCH	1	0	3.43	<13	PASS
		25	0	5.25	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.83	<13	PASS
		50	0	5.02	<13	PASS
	MCH	1	0	2.59	<13	PASS
		50	0	4.91	<13	PASS
	HCH	1	0	2.35	<13	PASS
		50	0	4.73	<13	PASS
16QAM	LCH	1	0	4.05	<13	PASS
		50	0	5.83	<13	PASS
	MCH	1	0	2.75	<13	PASS
		50	0	5.57	<13	PASS
	HCH	1	0	3.14	<13	PASS
		50	0	5.39	<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	4.12	<13	PASS
		75	0	5.02	<13	PASS
	MCH	1	0	5.23	<13	PASS
		75	0	4.96	<13	PASS
	HCH	1	0	5.63	<13	PASS
		75	0	4.88	<13	PASS
16QAM	LCH	1	0	5.63	<13	PASS
		75	0	6.25	<13	PASS
	MCH	1	0	5.36	<13	PASS
		75	0	6.14	<13	PASS
	HCH	1	0	3.56	<13	PASS
		75	0	5.91	<13	PASS

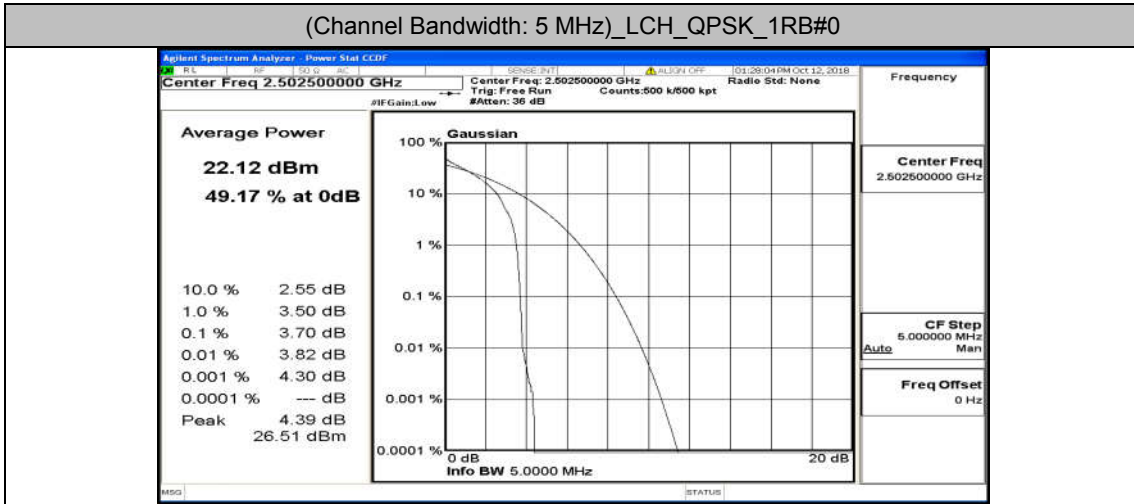
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.44	<13	PASS
		100	0	5.73	<13	PASS
	MCH	1	0	5.74	<13	PASS
		100	0	5.74	<13	PASS
	HCH	1	0	5.89	<13	PASS
		100	0	5.66	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		100	0	6.83	<13	PASS
	MCH	1	0	6.12	<13	PASS
		100	0	6.75	<13	PASS
	HCH	1	0	5.89	<13	PASS
		100	0	6.5	<13	PASS

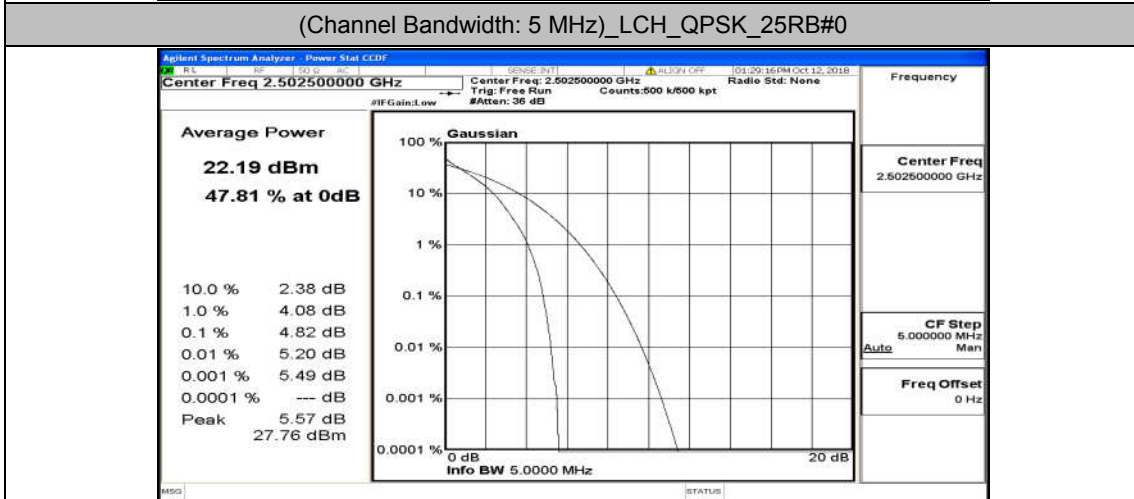
Test Graphs

Channel Bandwidth: 5 MHz

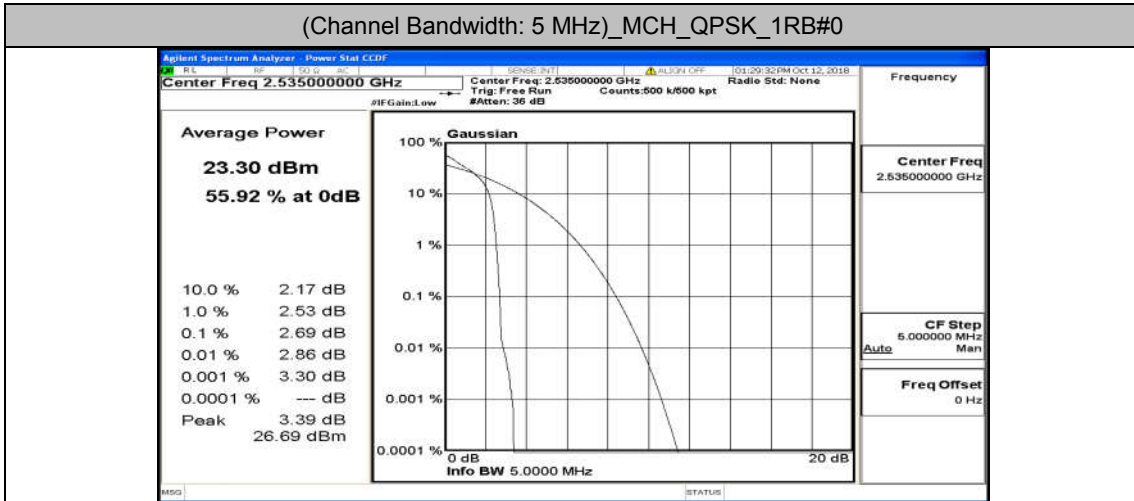
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



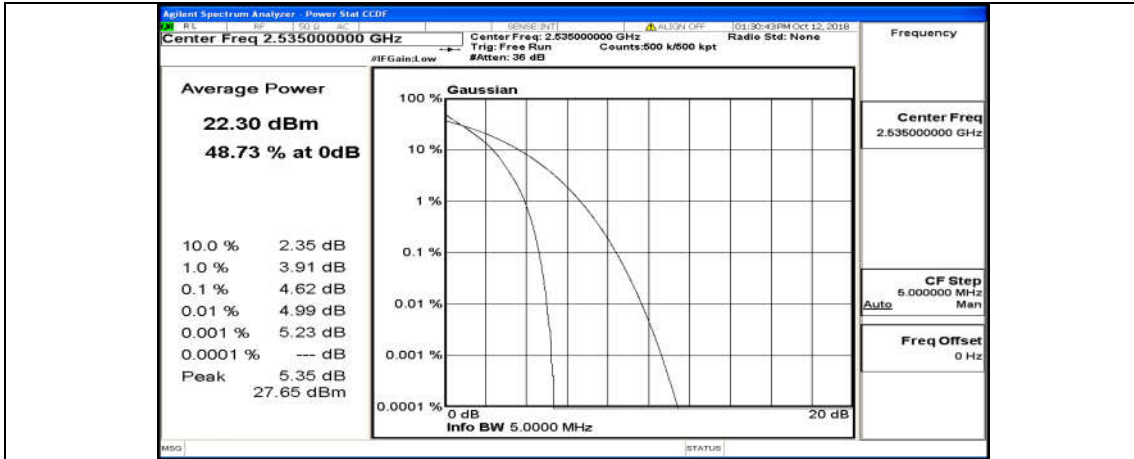
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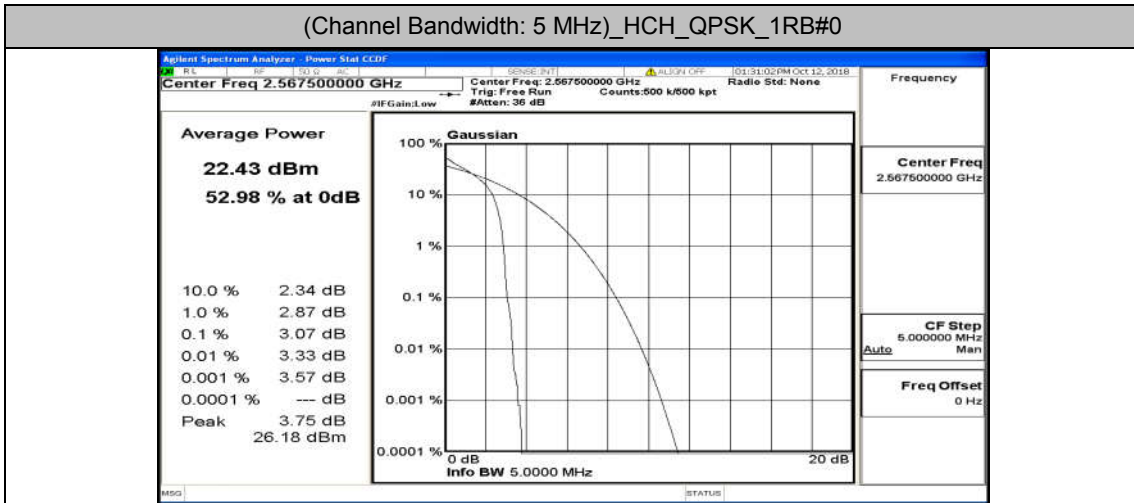
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



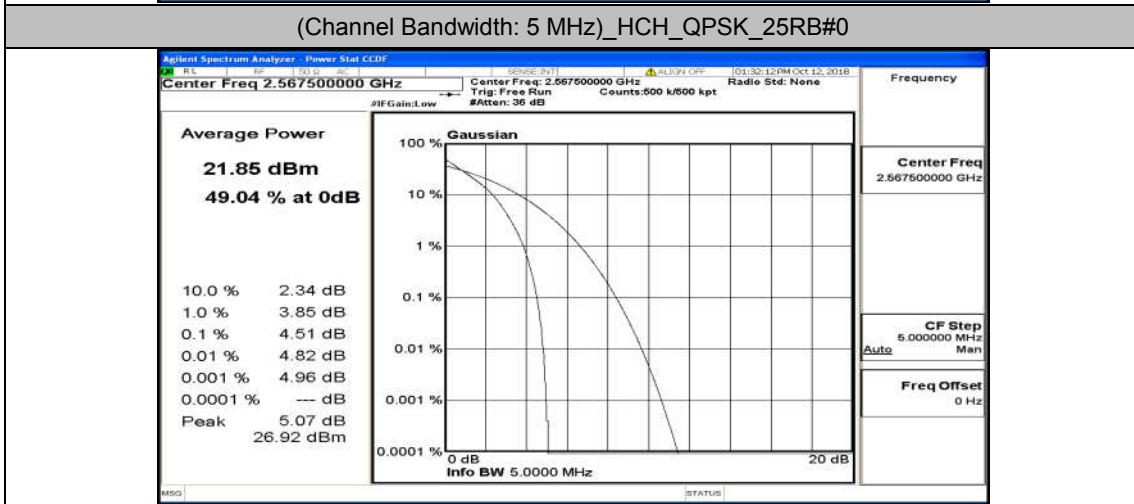
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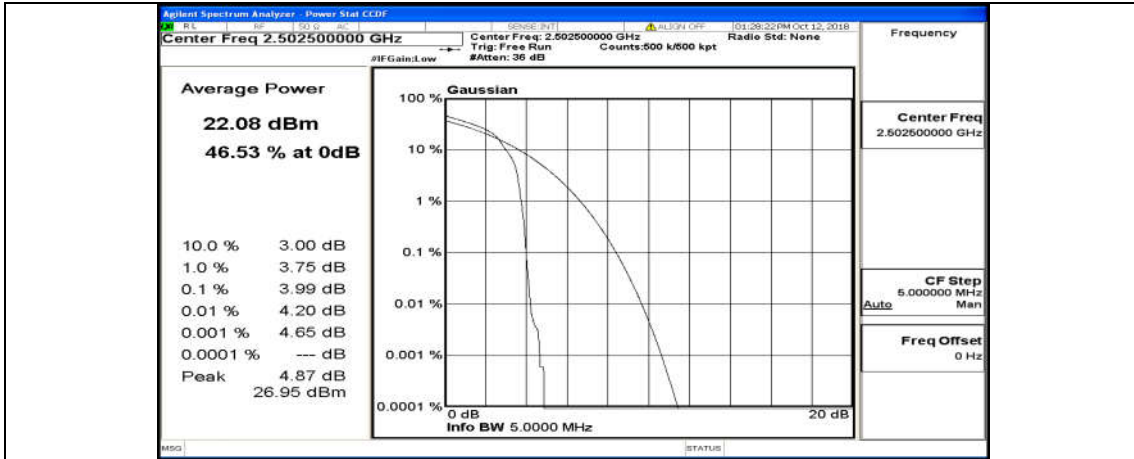
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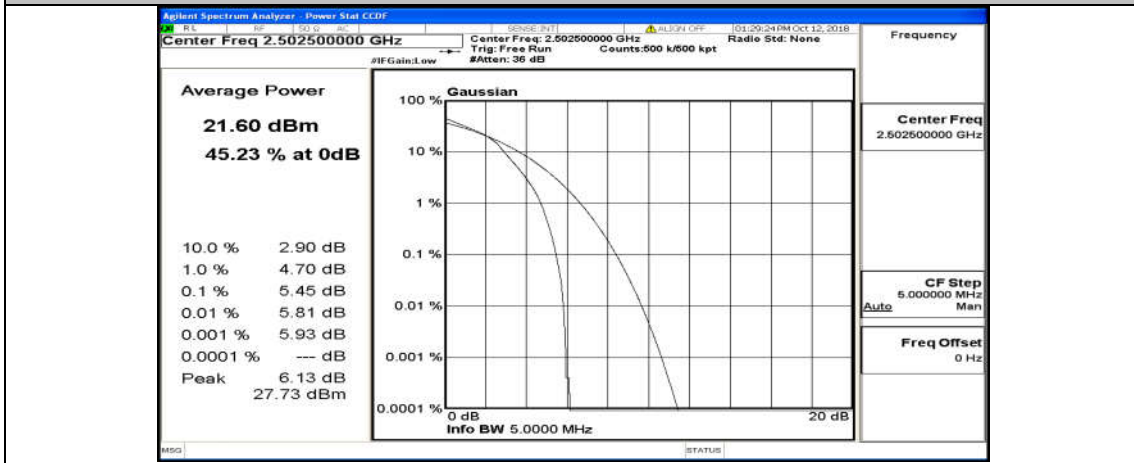
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



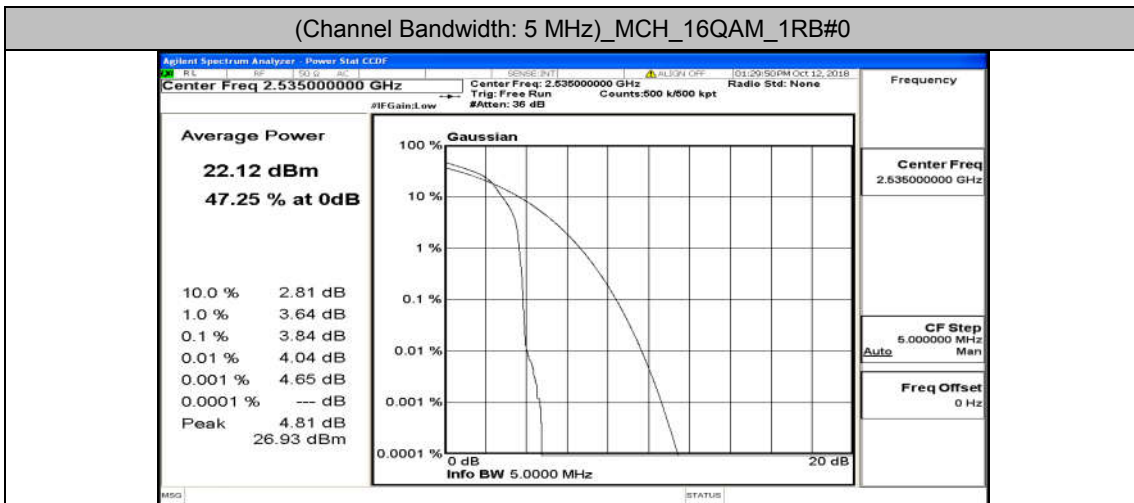
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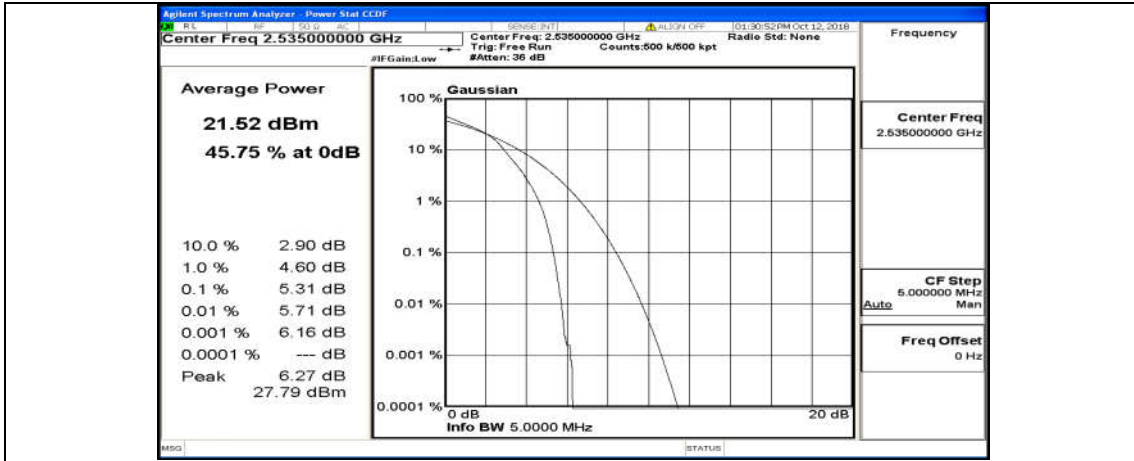
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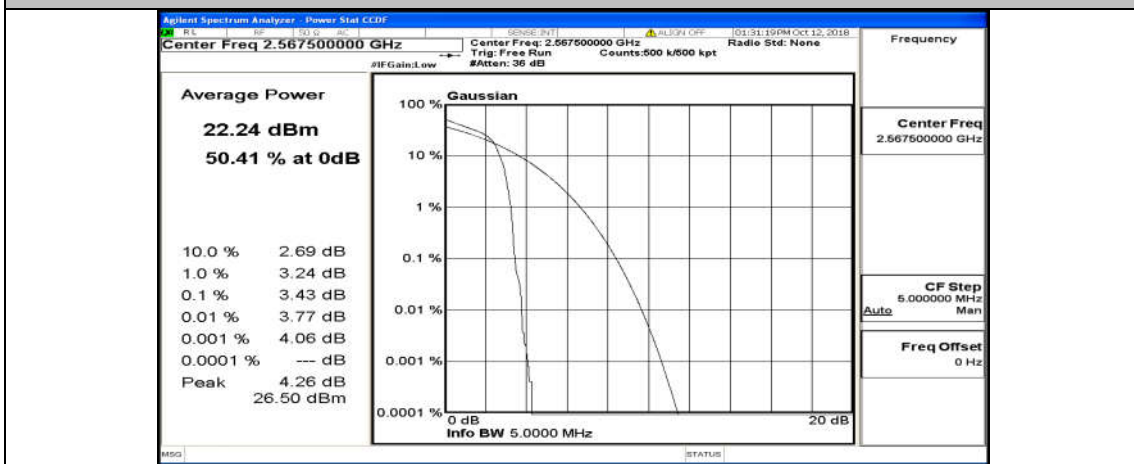
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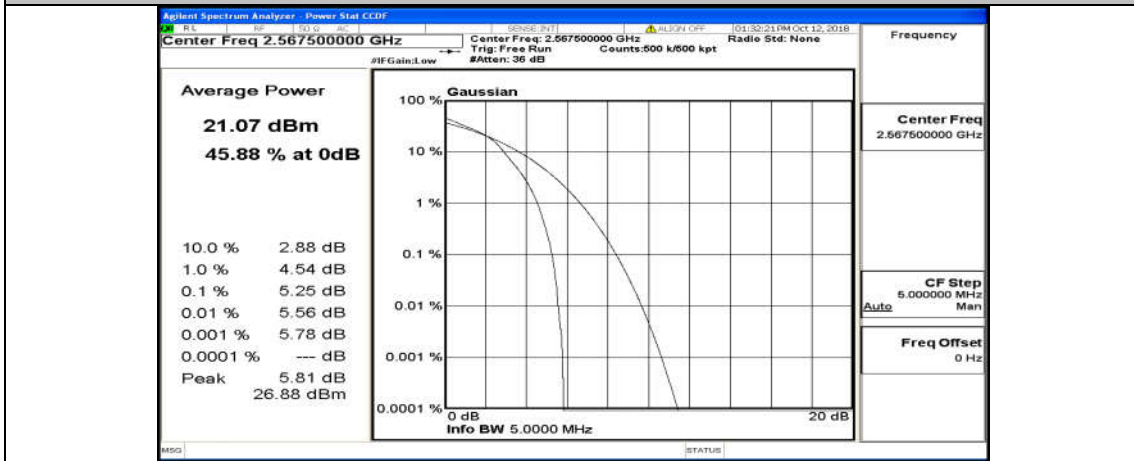
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

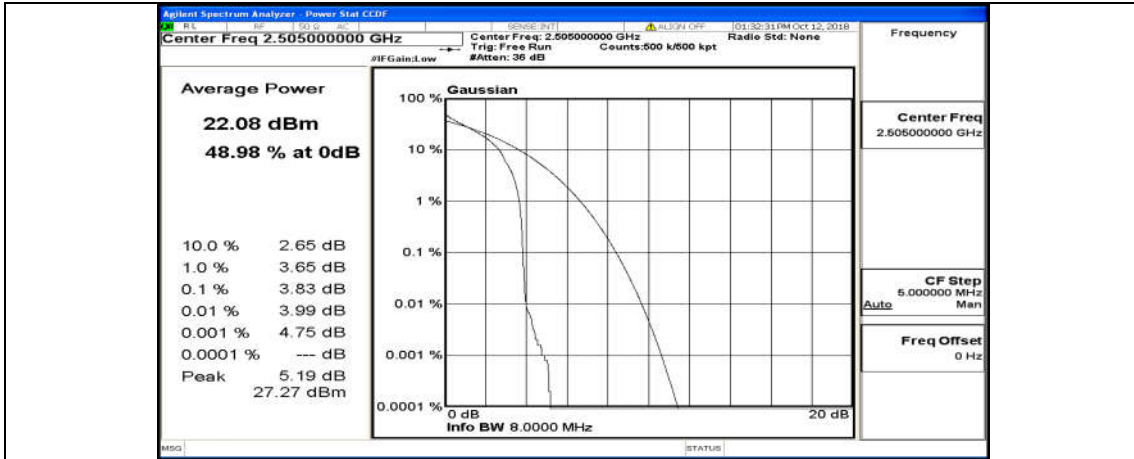


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

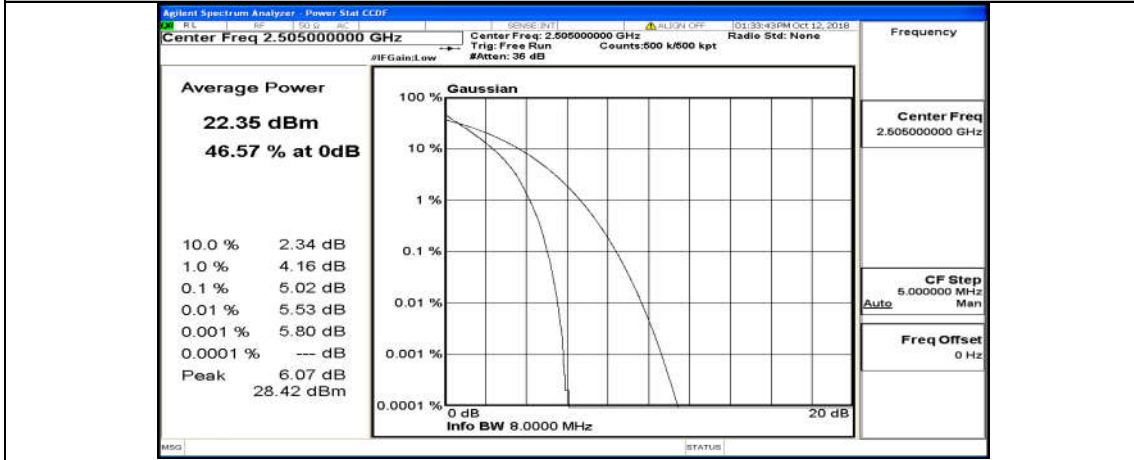


Channel Bandwidth: 10 MHz

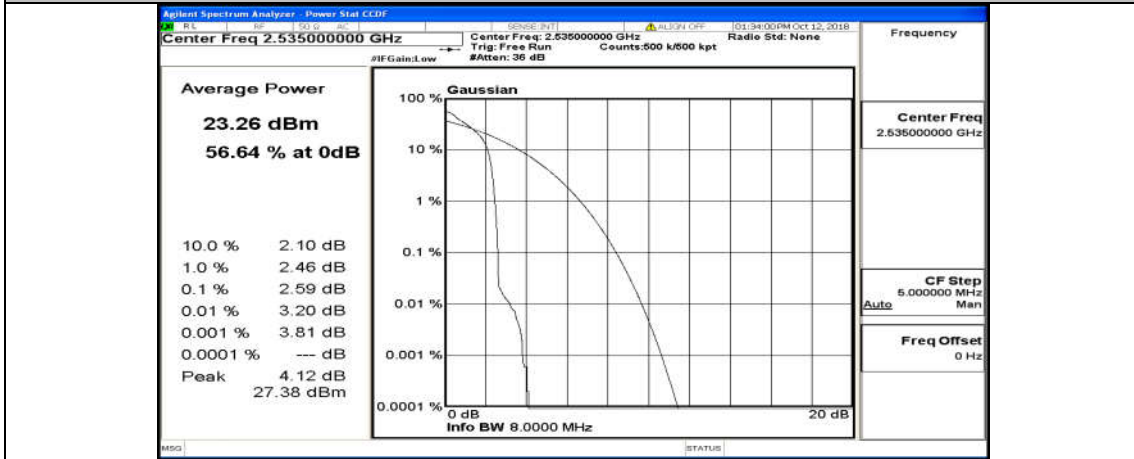
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



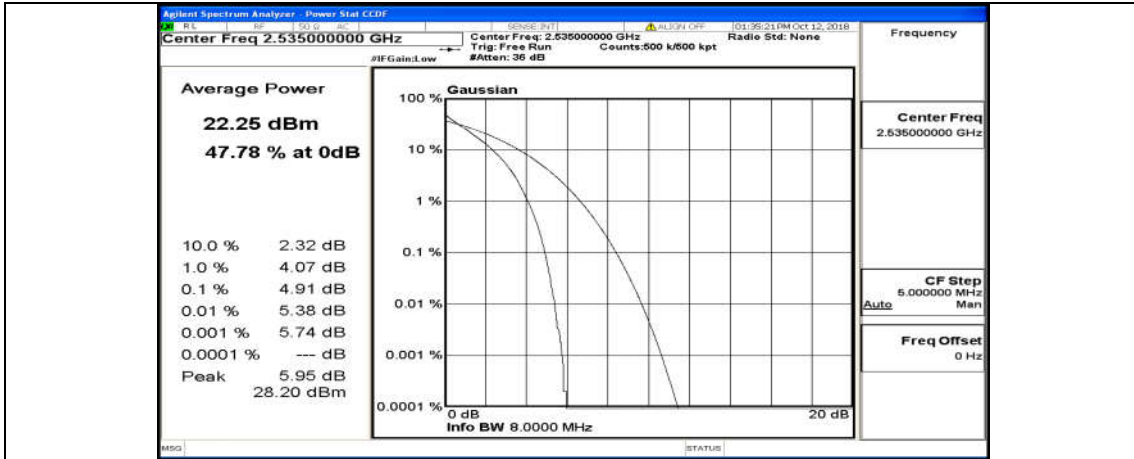
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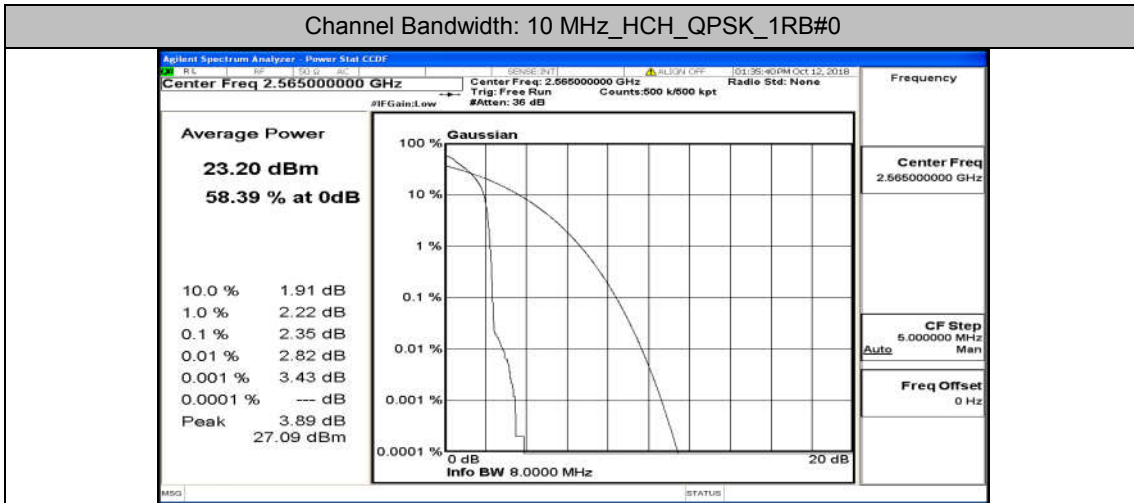
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



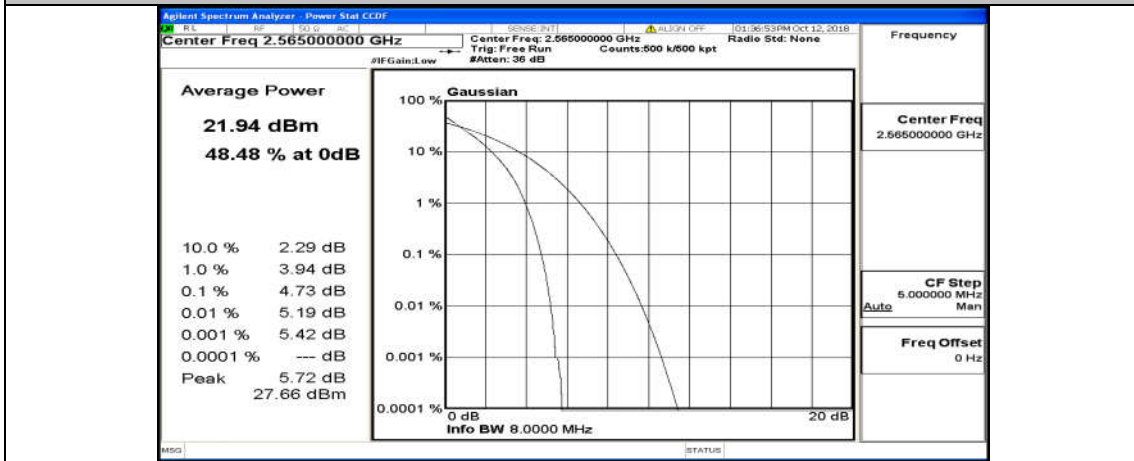
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



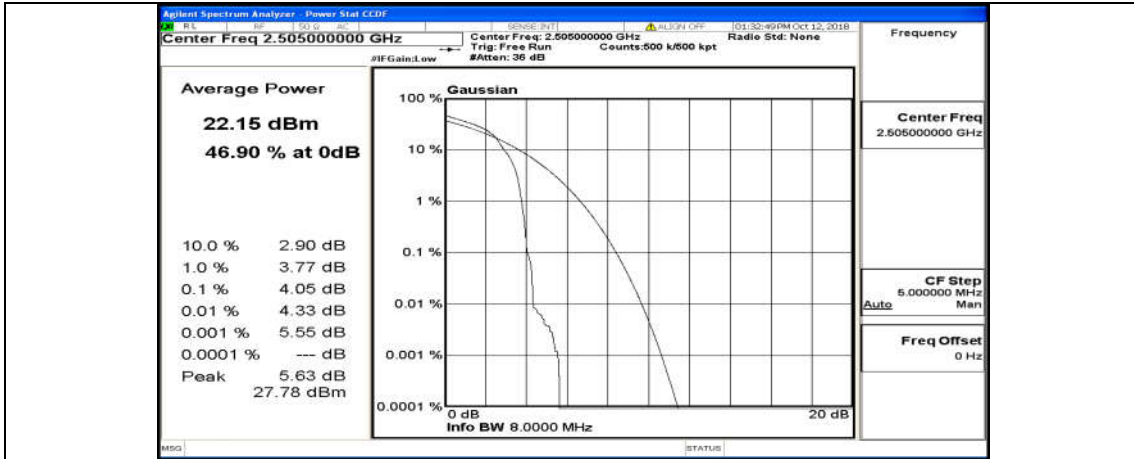
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



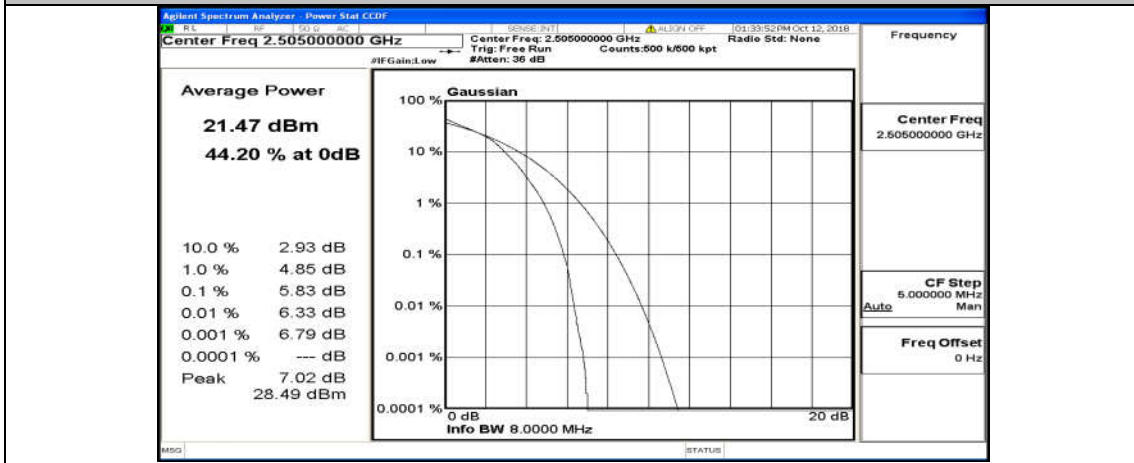
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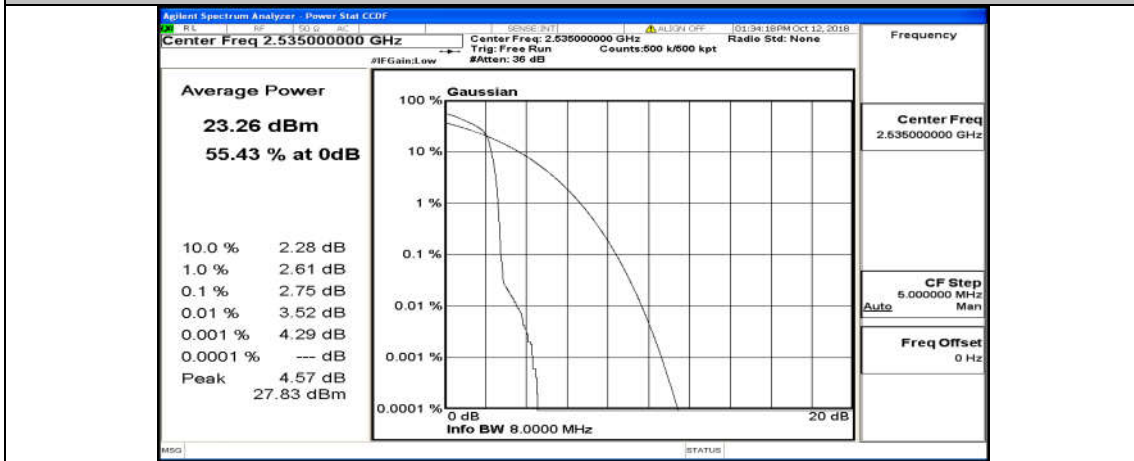
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



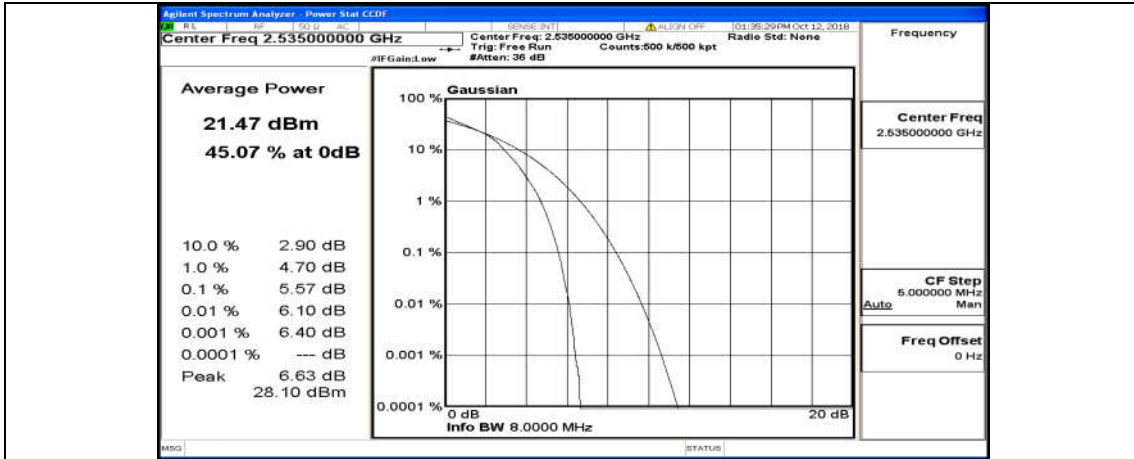
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



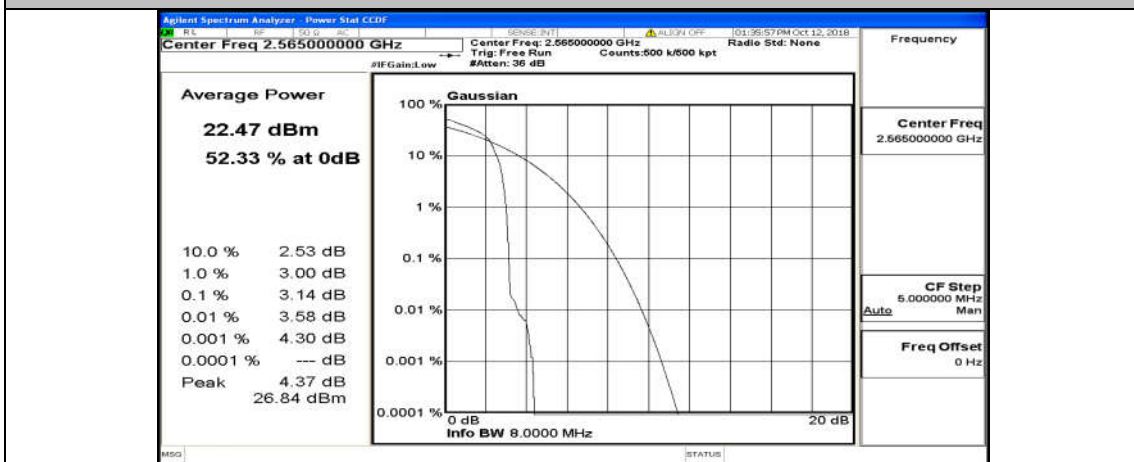
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



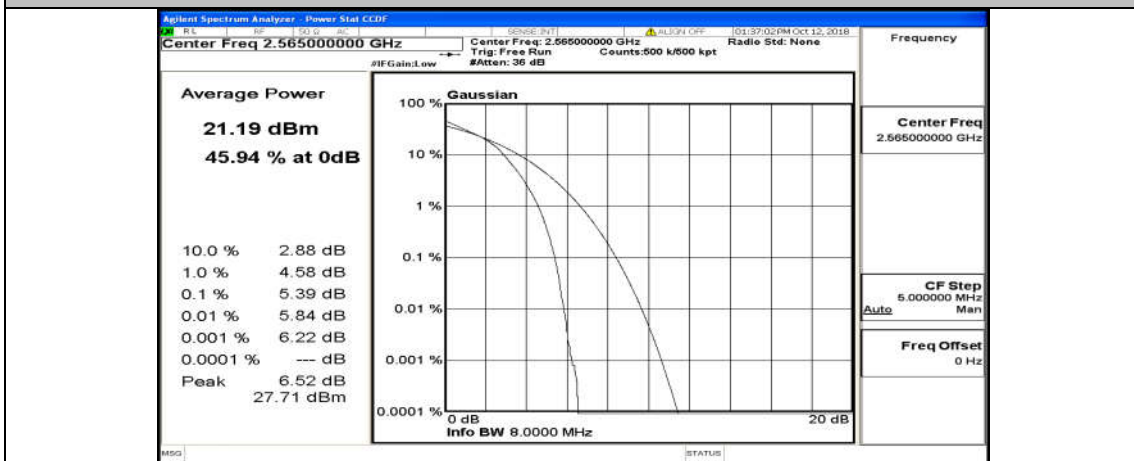
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

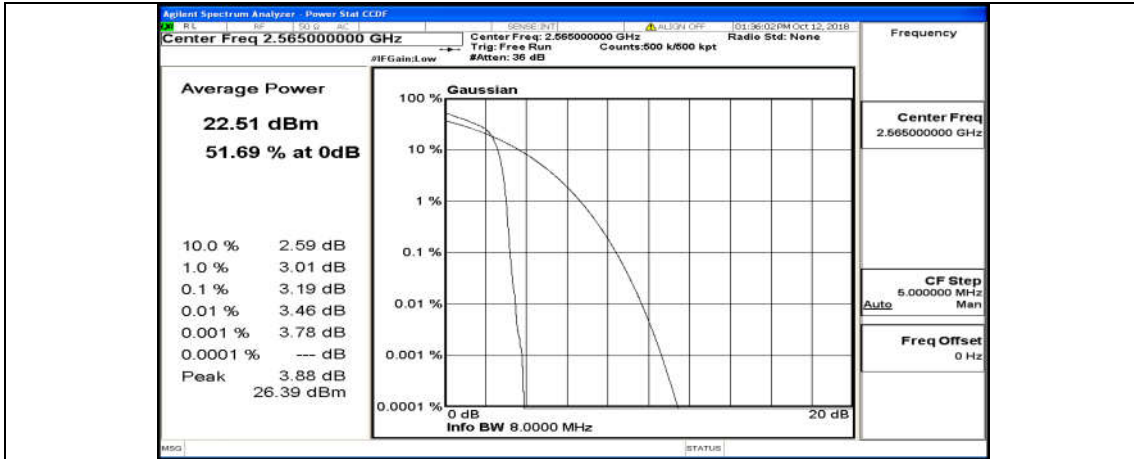


Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

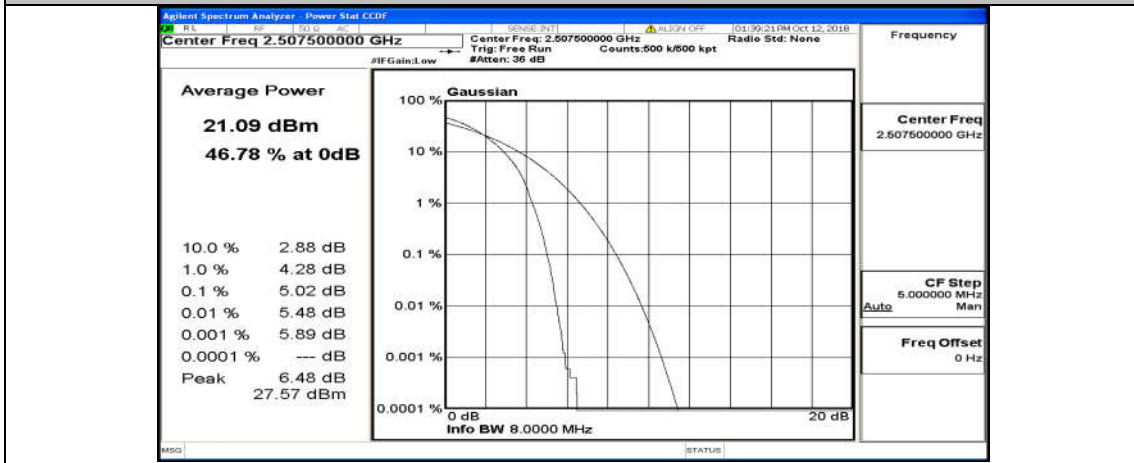


Channel Bandwidth: 15 MHz

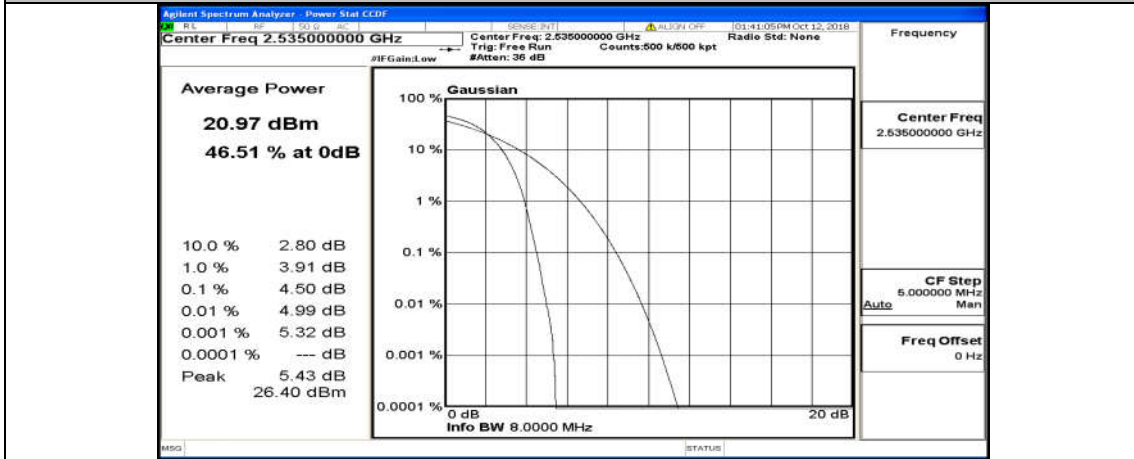
(Channel Bandwidth: 15 MHz)_LCH_QPSK_1RB#0



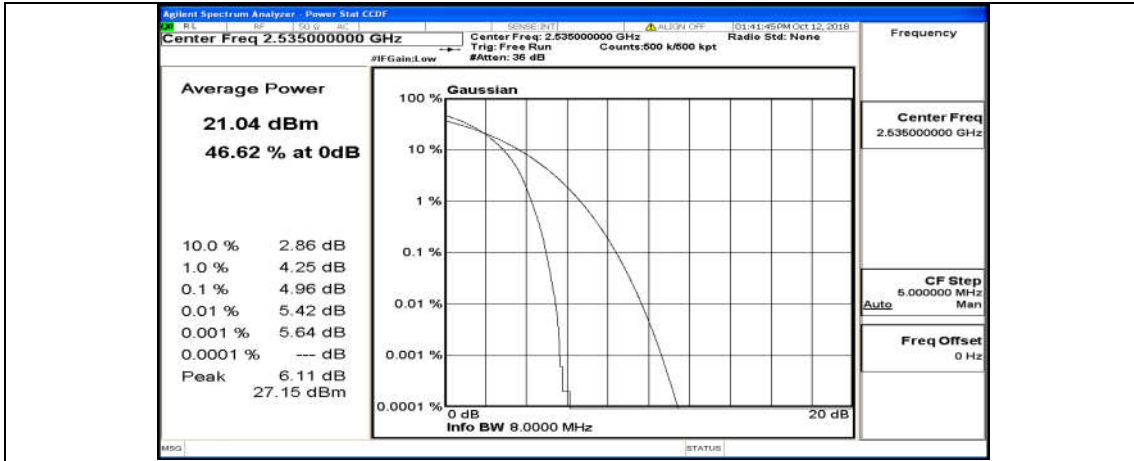
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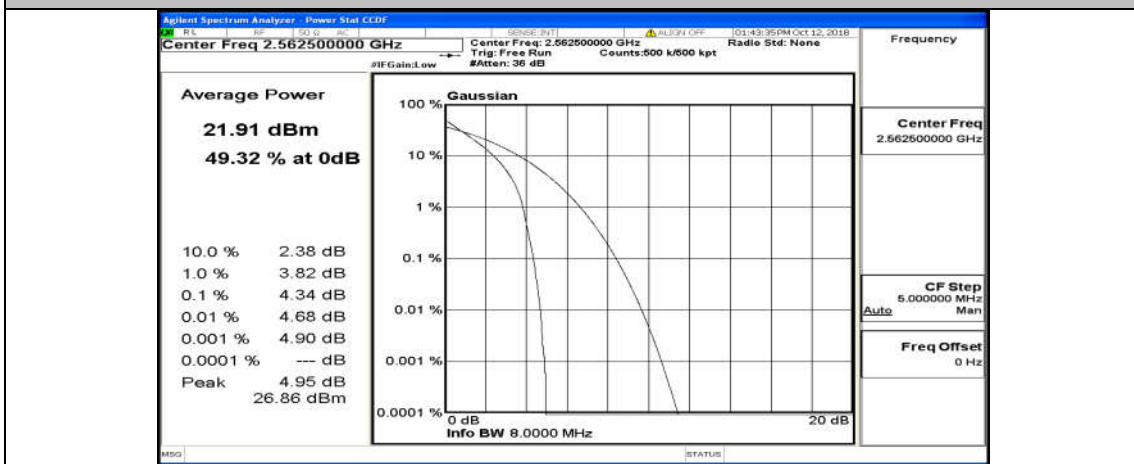
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



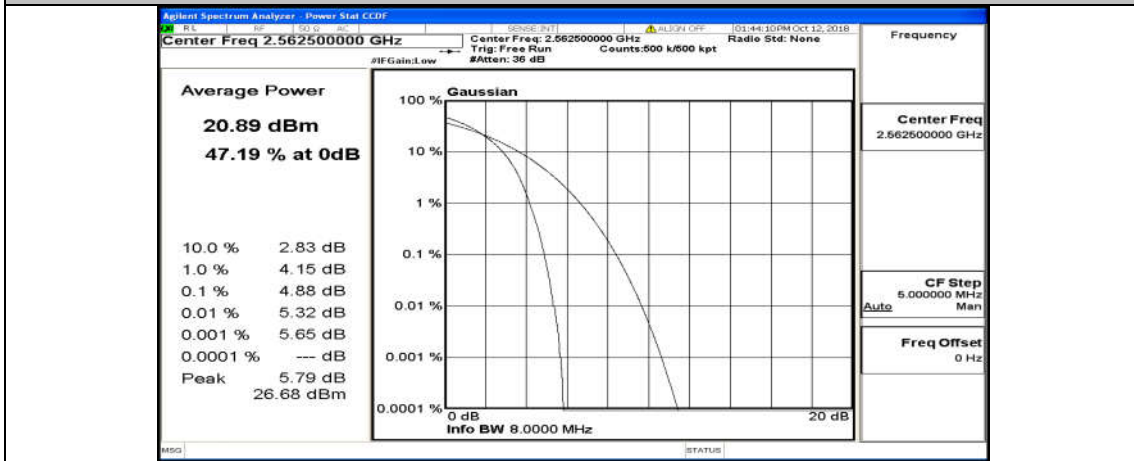
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0



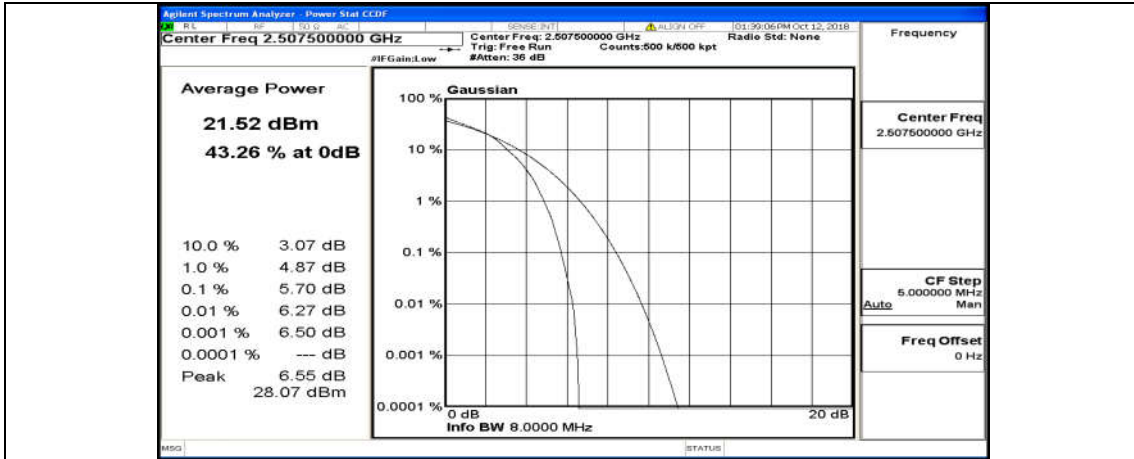
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(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



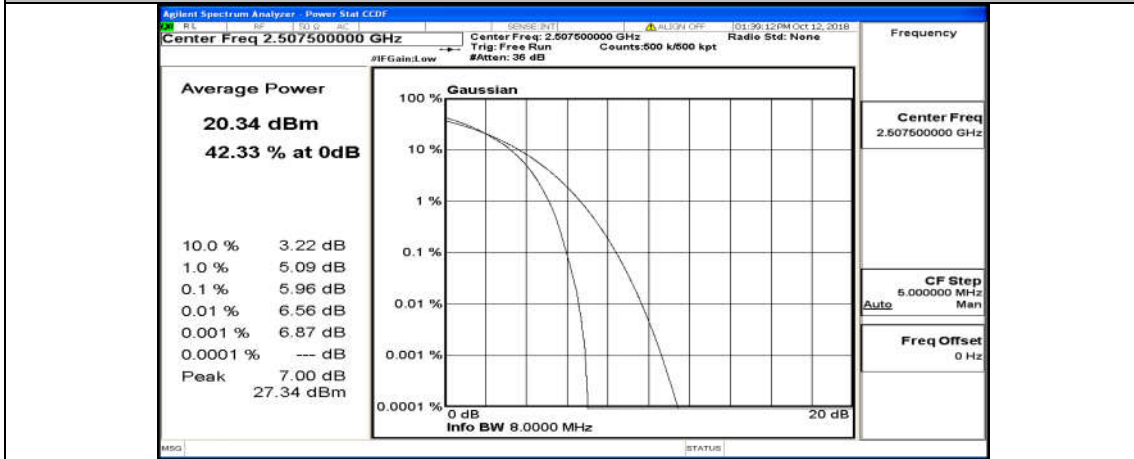
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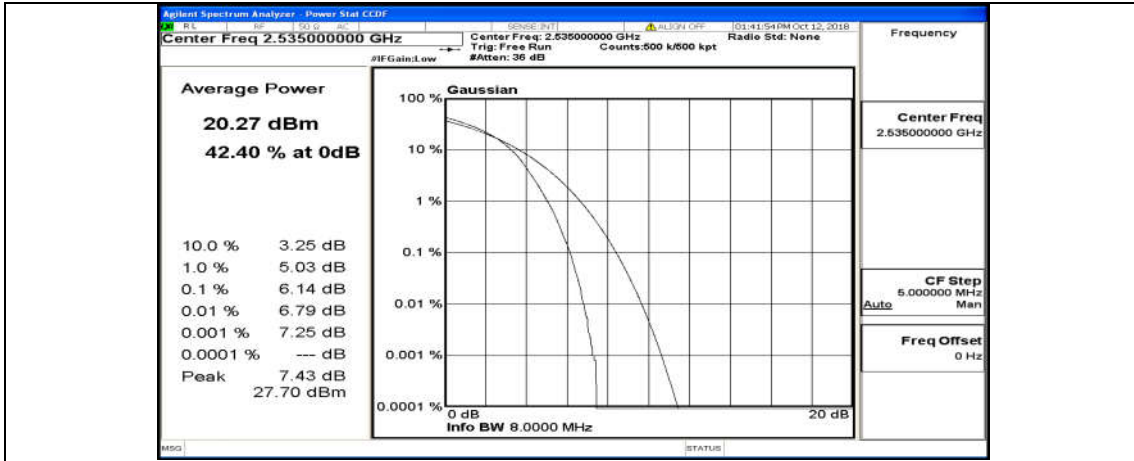
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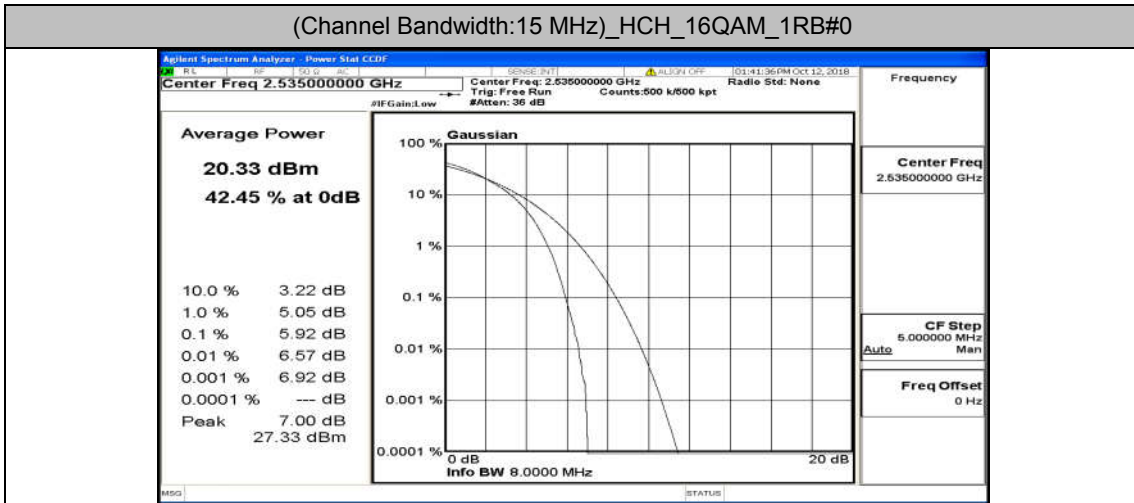
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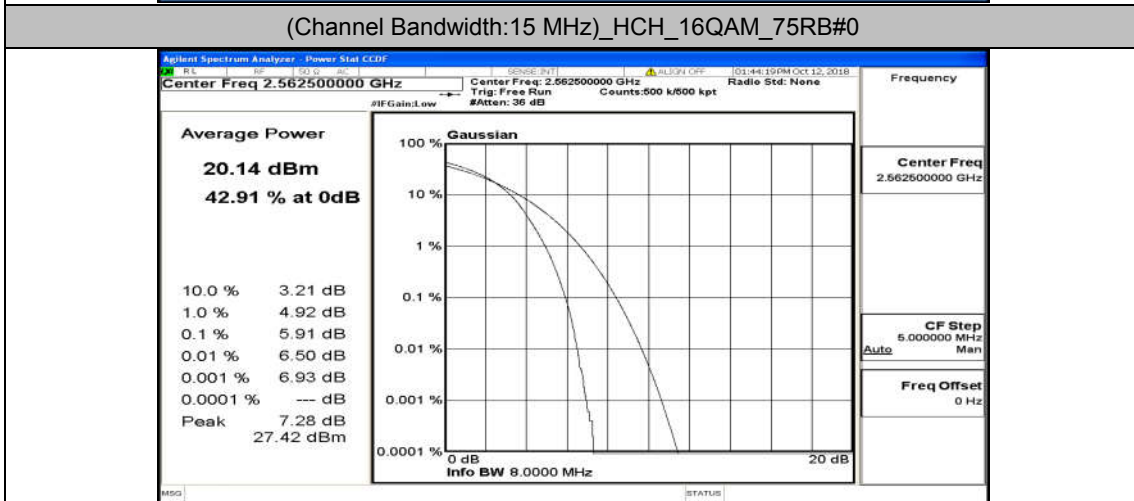
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(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

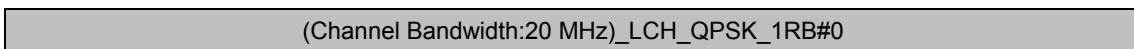


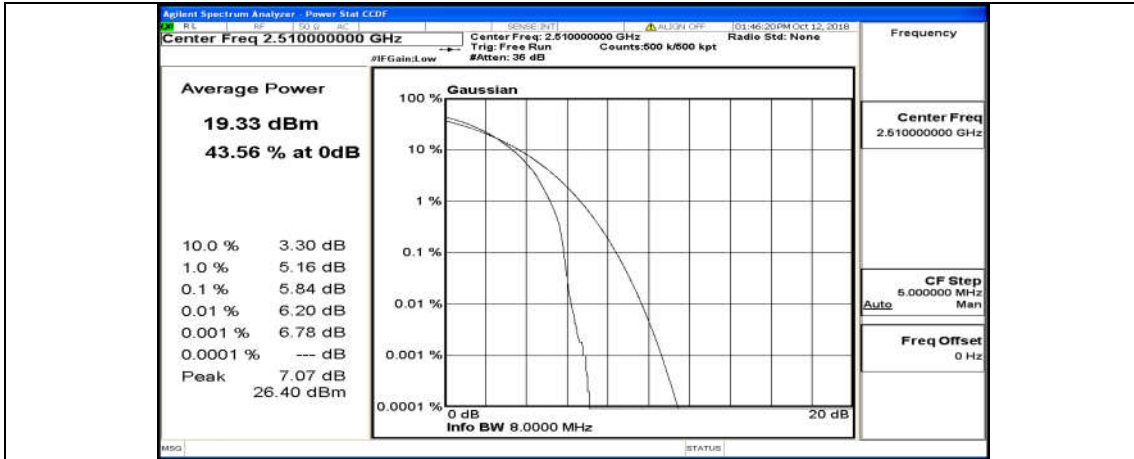
(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0



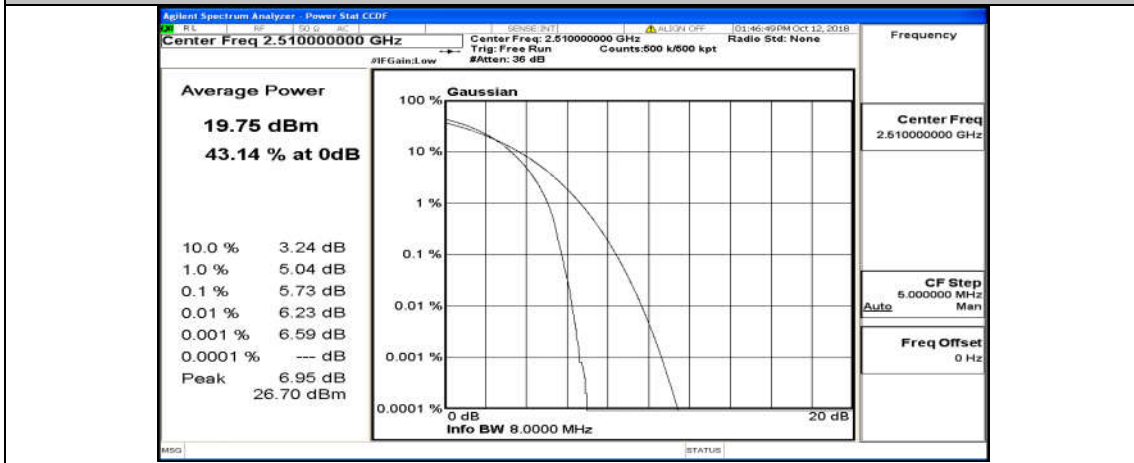
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

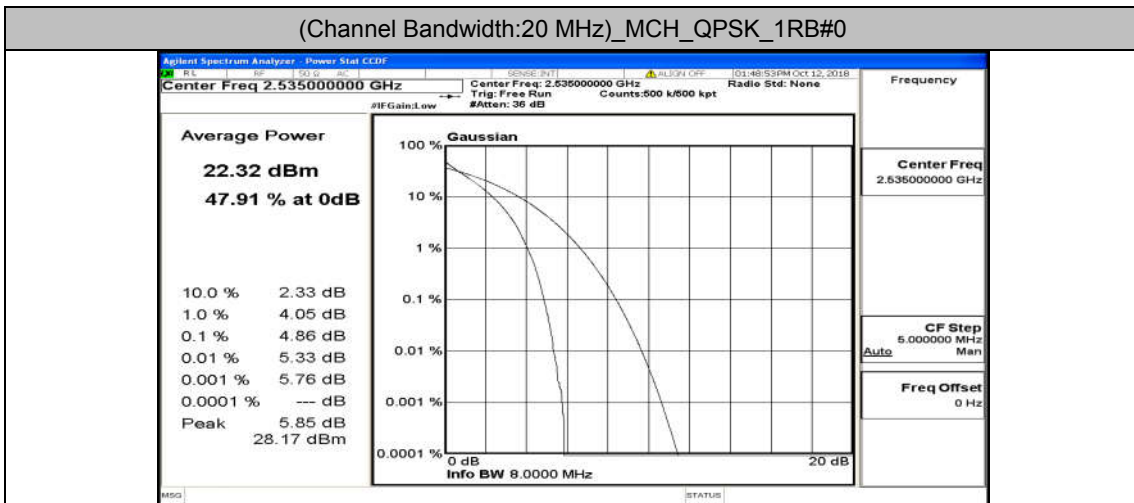




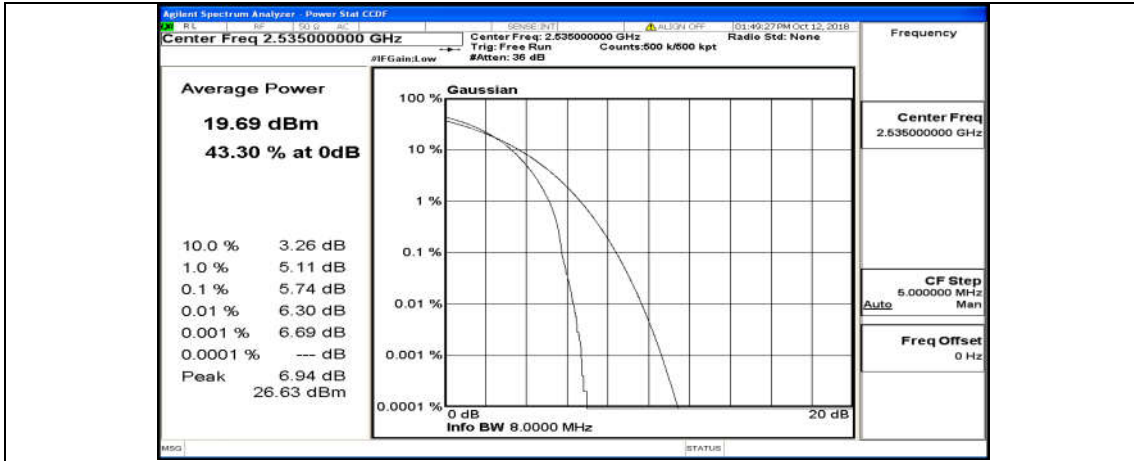
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



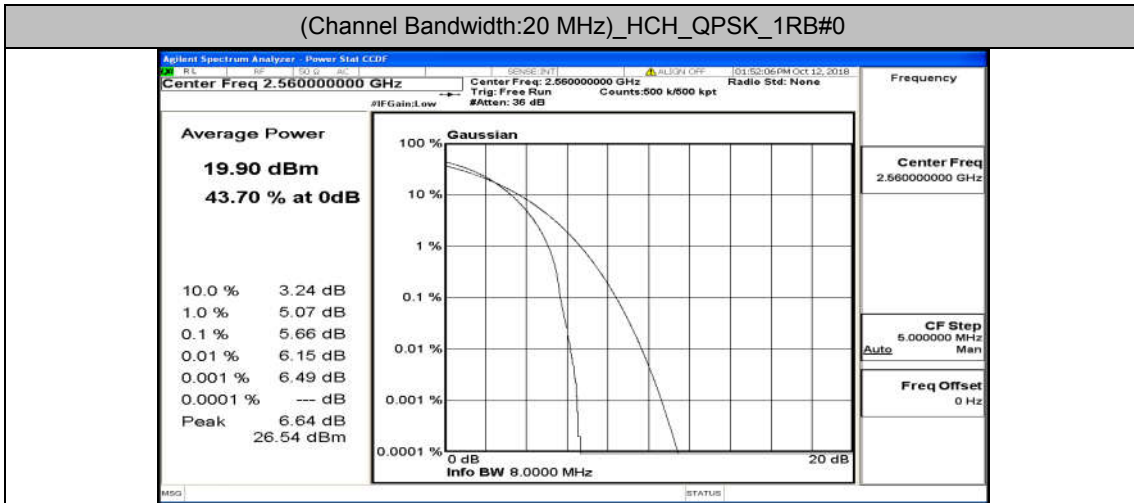
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



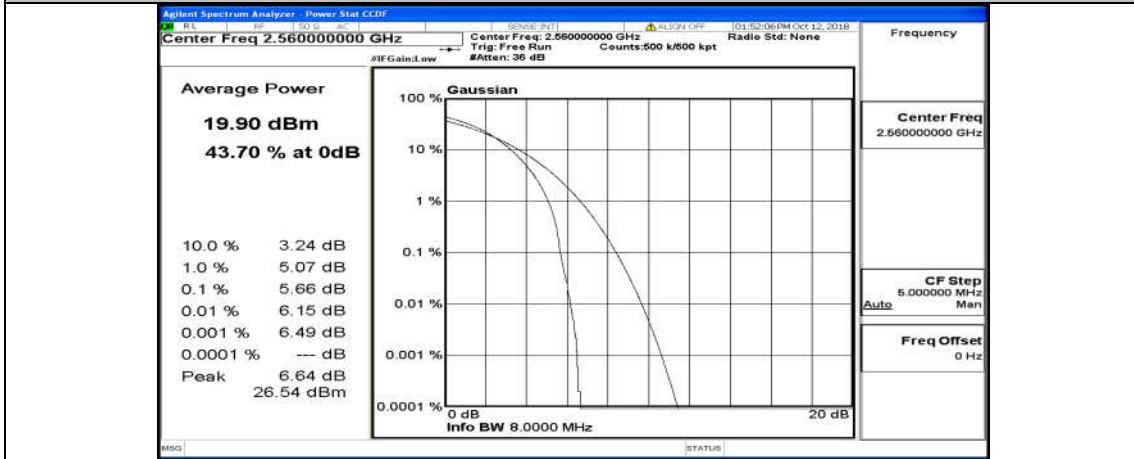
(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0



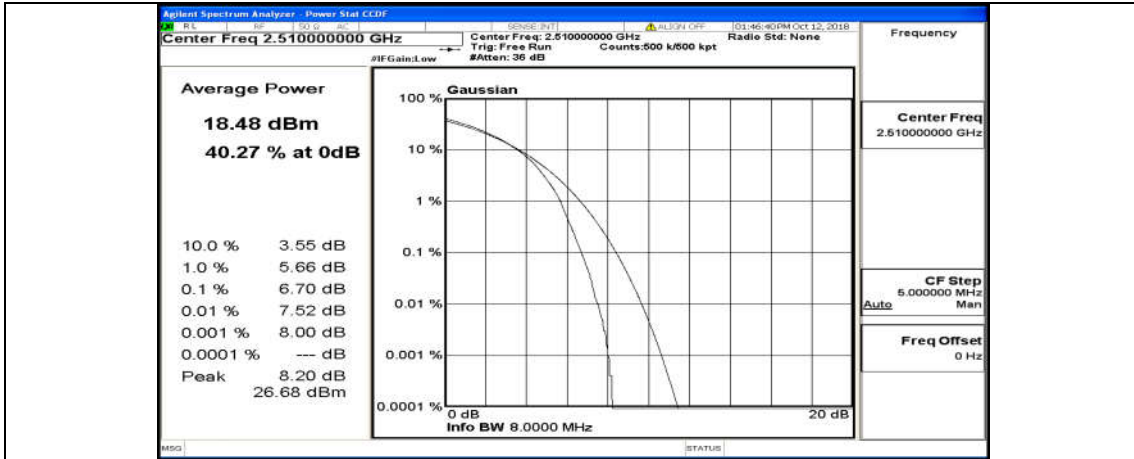
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



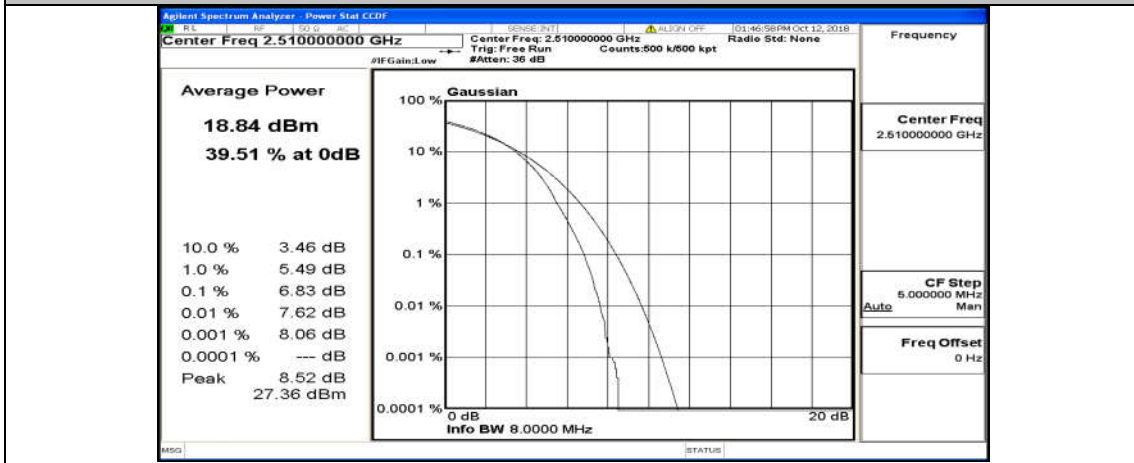
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



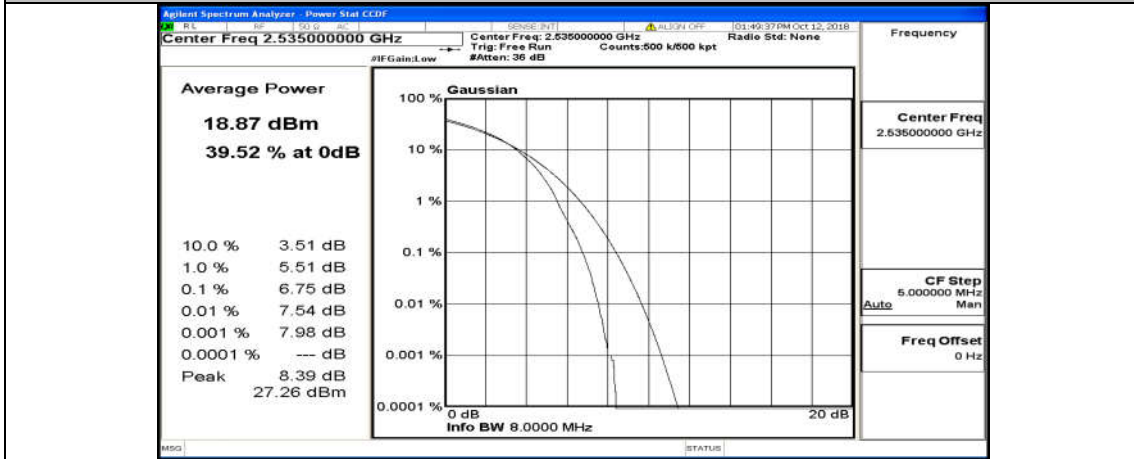
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



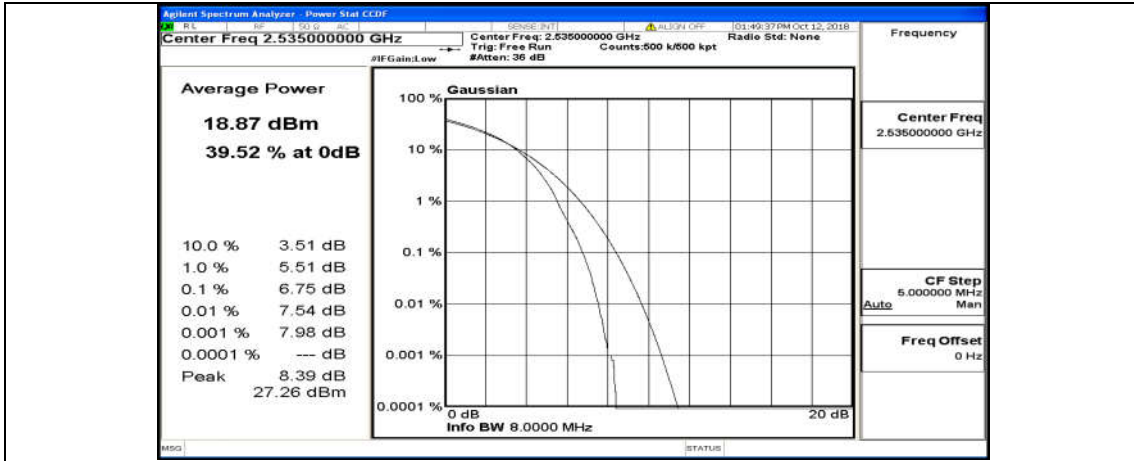
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



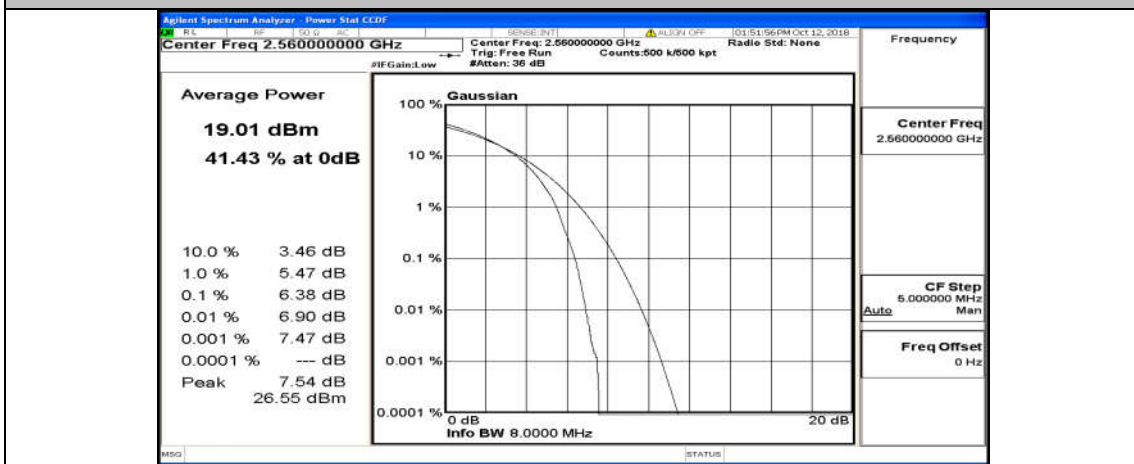
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



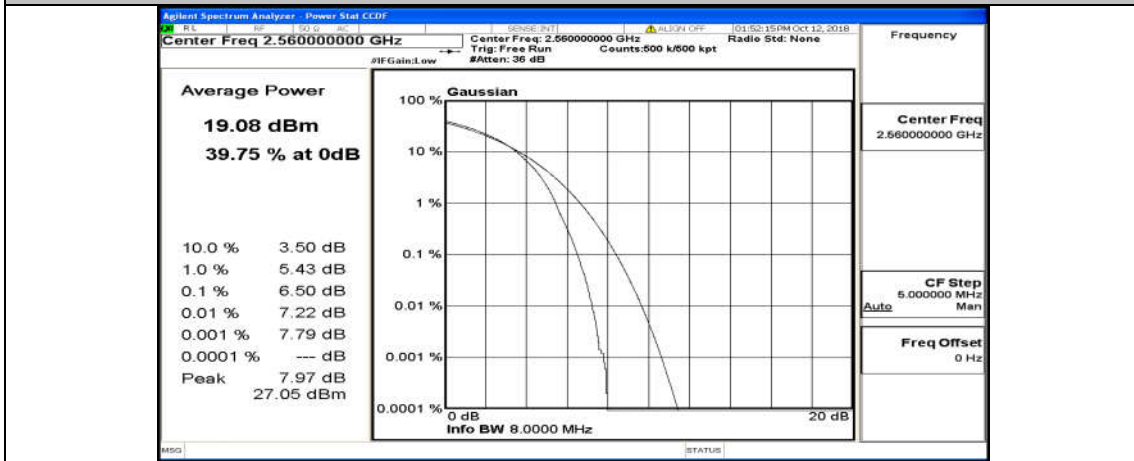
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0



Appendix D.3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4709	4.817	PASS
	MCH	25	0	4.4677	4.896	PASS
	HCH	25	0	4.4793	4.831	PASS
16QAM	LCH	25	0	4.4733	4.824	PASS
	MCH	25	0	4.4799	4.870	PASS
	HCH	25	0	4.4782	4.945	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9452	9.490	PASS
	MCH	50	0	8.9474	9.588	PASS
	HCH	50	0	8.9466	9.573	PASS
16QAM	LCH	50	0	8.9482	9.530	PASS
	MCH	50	0	8.9397	9.492	PASS
	HCH	50	0	8.9374	9.545	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.401	14.18	PASS
	MCH	75	0	13.424	14.27	PASS
	HCH	75	0	13.381	14.08	PASS
16QAM	LCH	75	0	13.399	14.11	PASS
	MCH	75	0	13.402	14.14	PASS

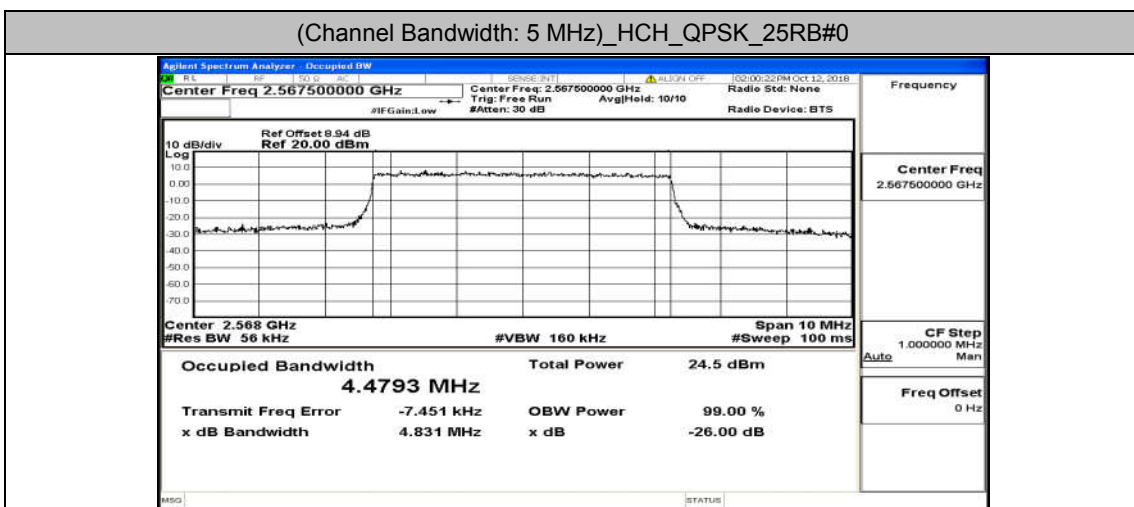
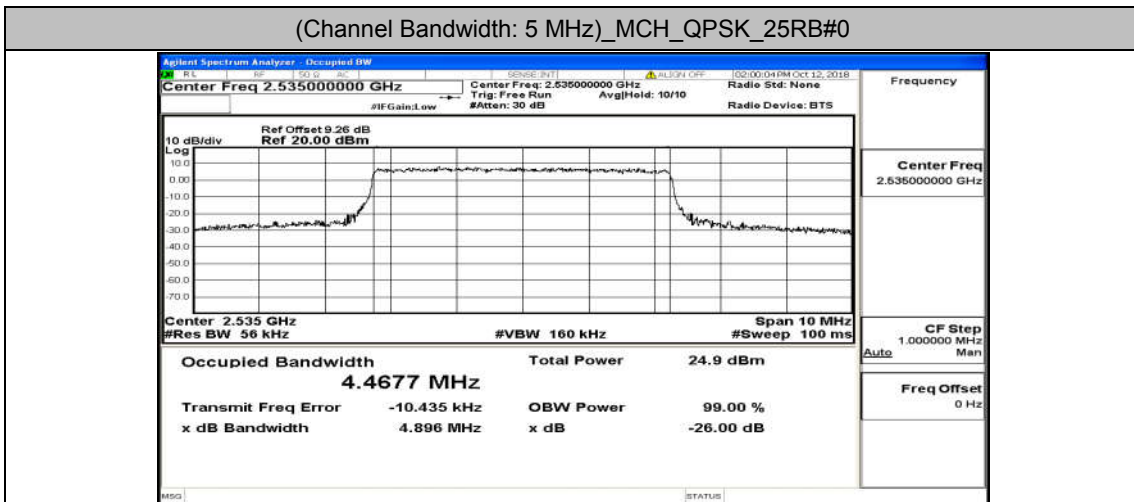
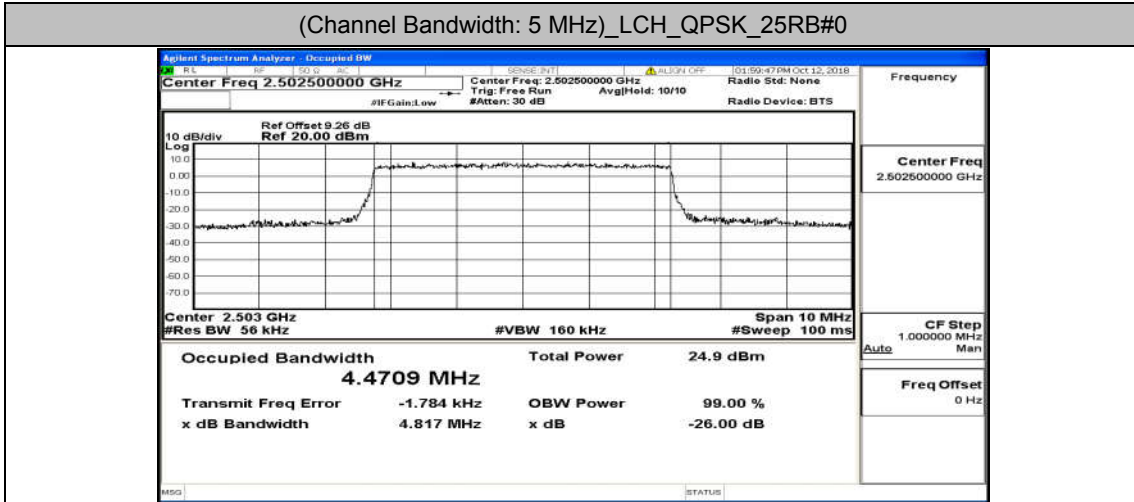
	HCH	75	0	13.361	14.12	PASS
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Channel Bandwidth: 20 MHz

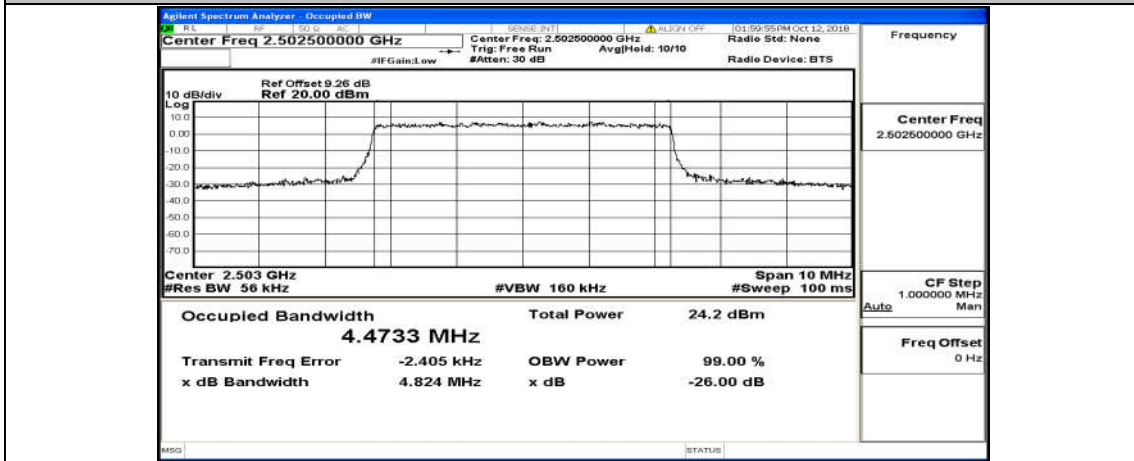
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.869	18.69	PASS
	MCH	100	0	17.907	18.79	PASS
	HCH	100	0	17.820	18.62	PASS
16QAM	LCH	100	0	17.878	18.64	PASS
	MCH	100	0	17.895	18.76	PASS
	HCH	100	0	17.808	18.58	PASS

Test Graphs

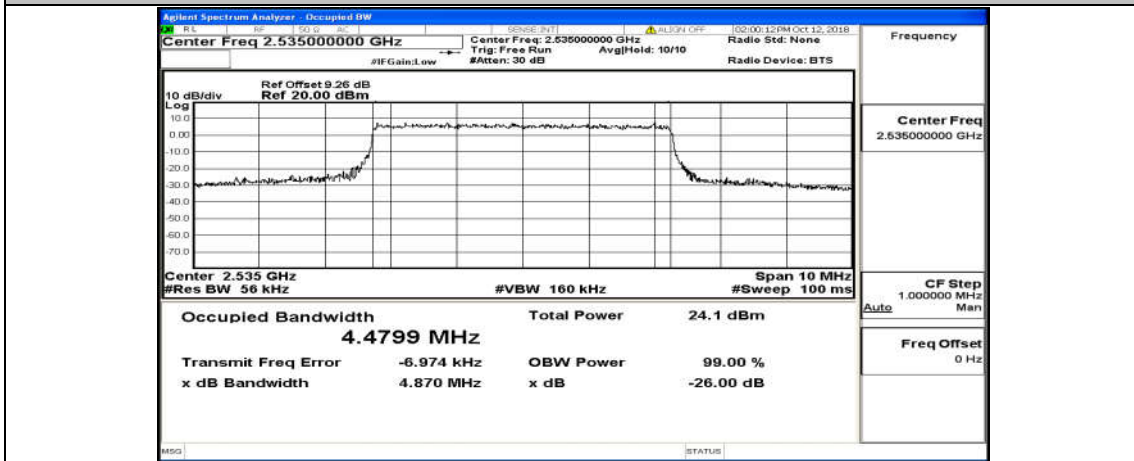
Channel Bandwidth: 5 MHz



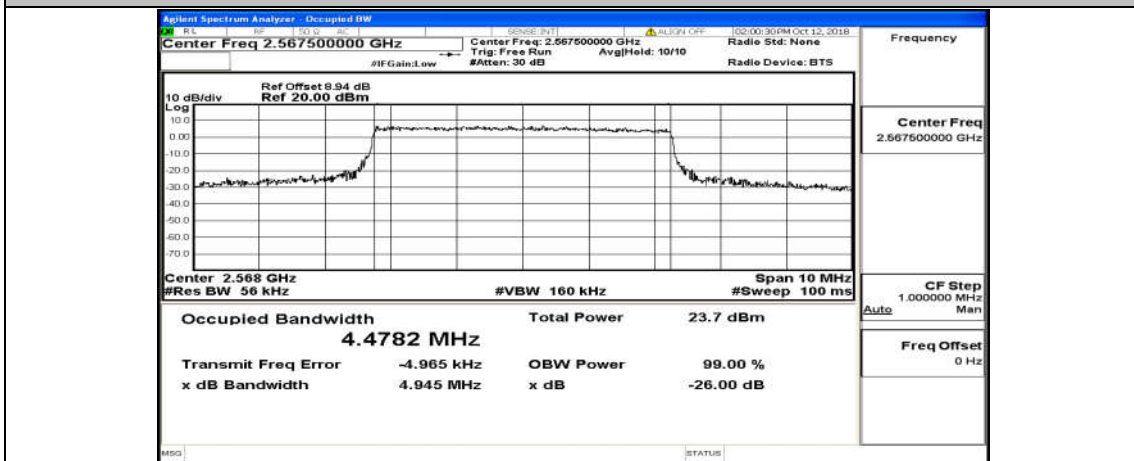
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



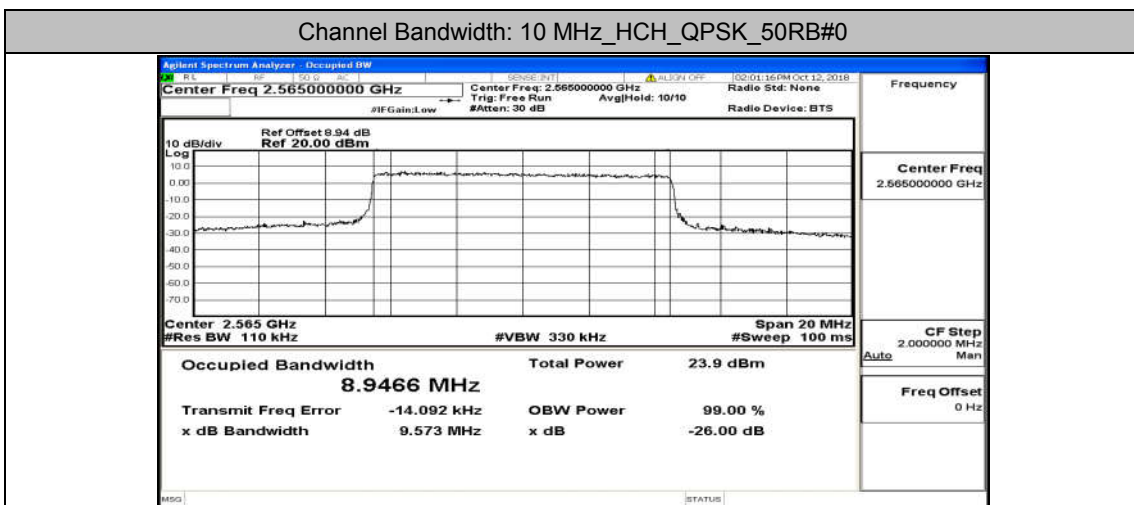
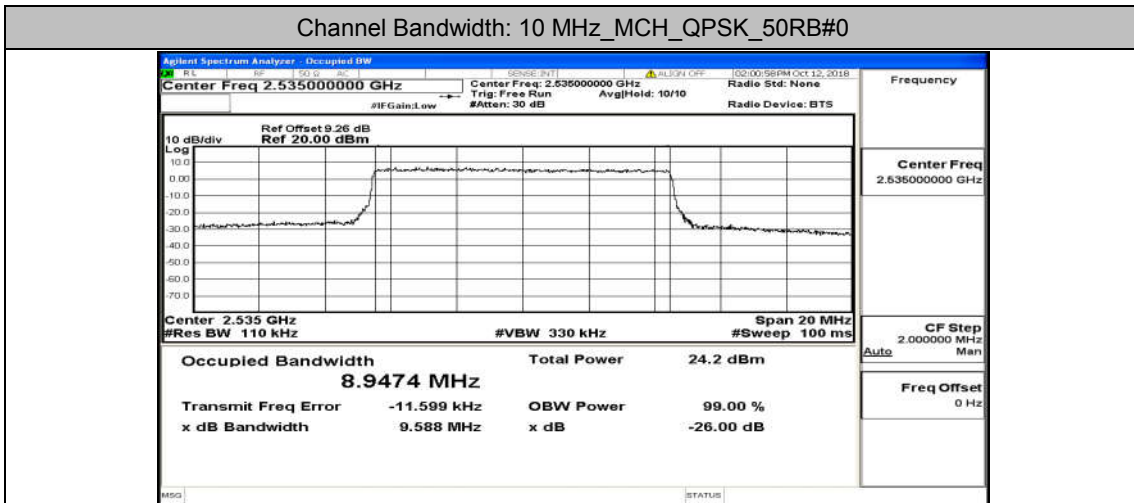
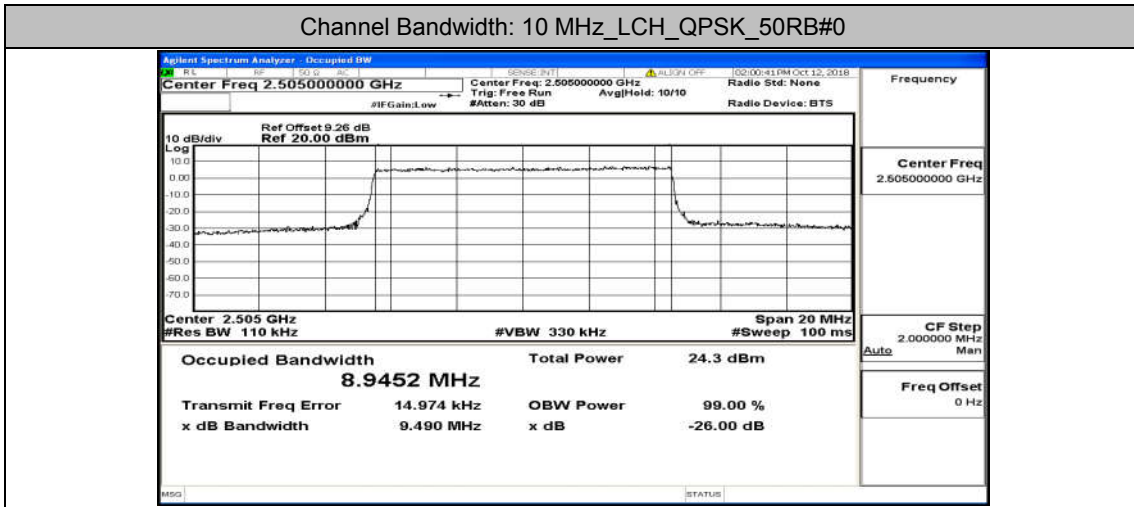
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



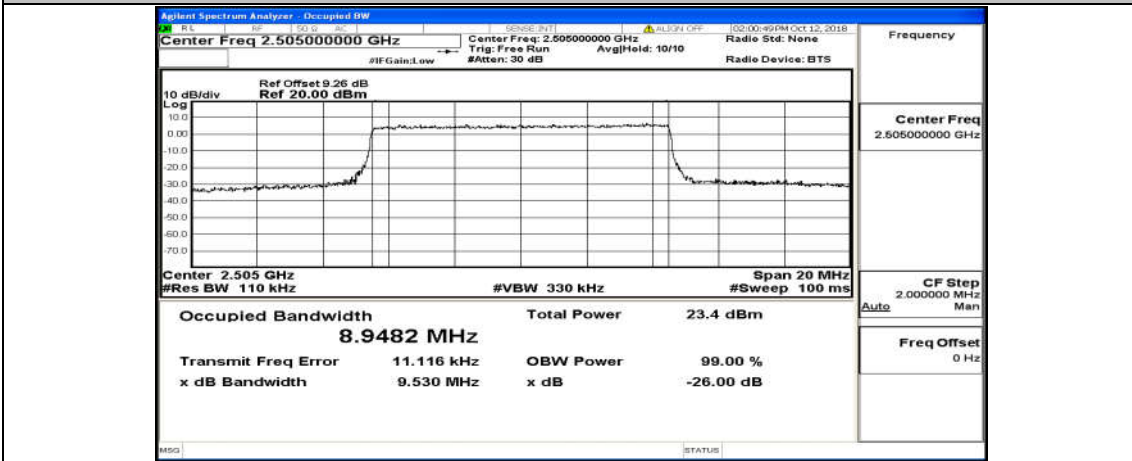
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



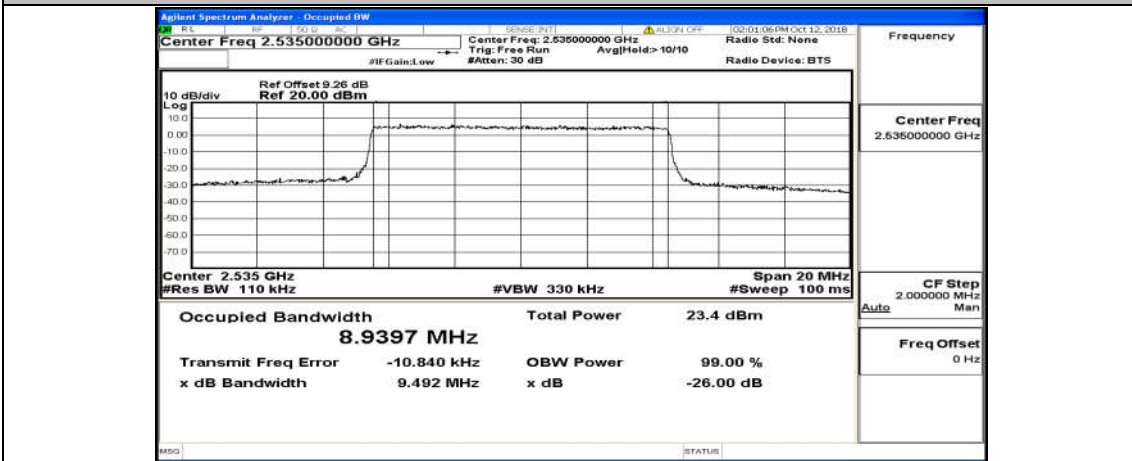
Channel Bandwidth: 10 MHz



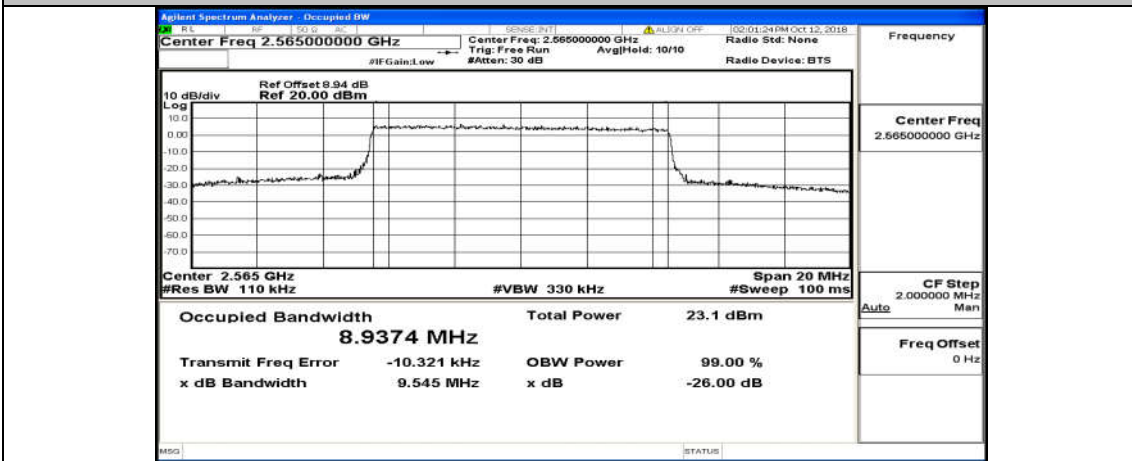
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



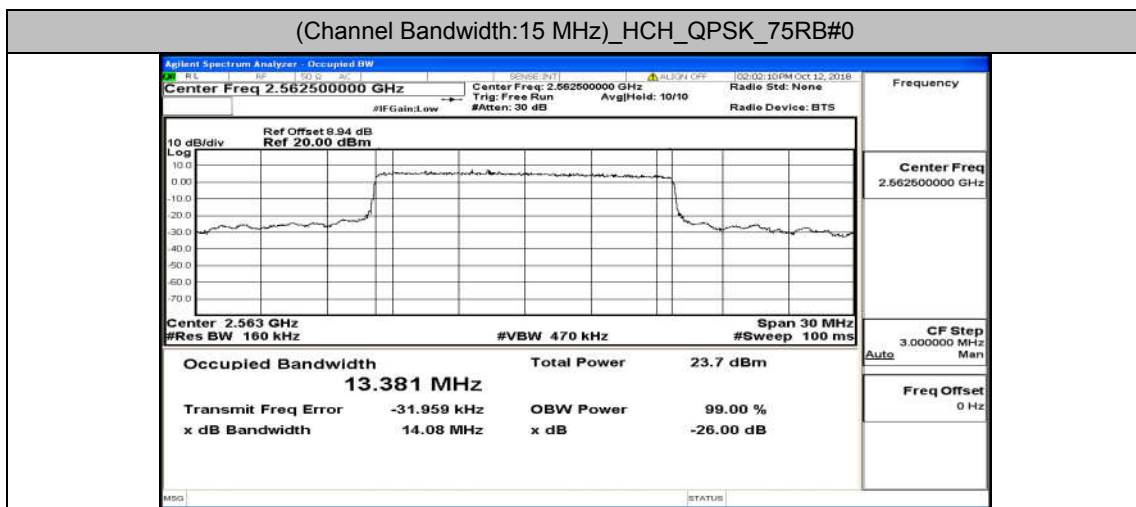
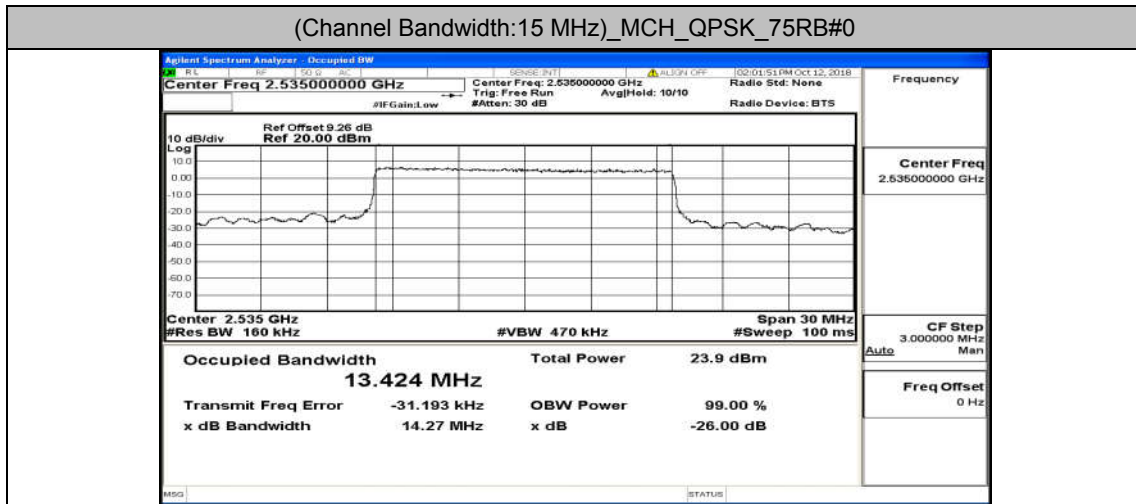
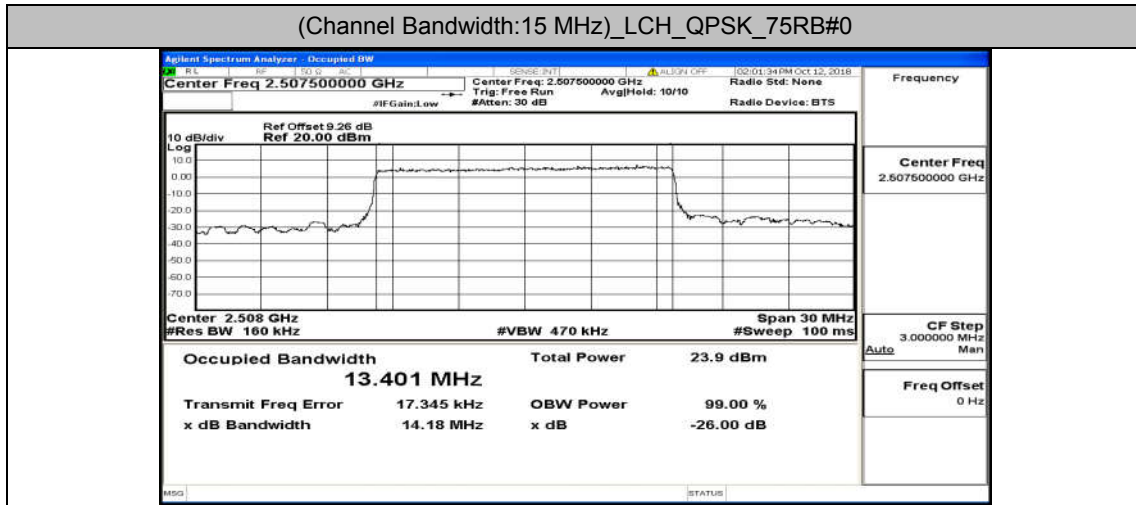
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



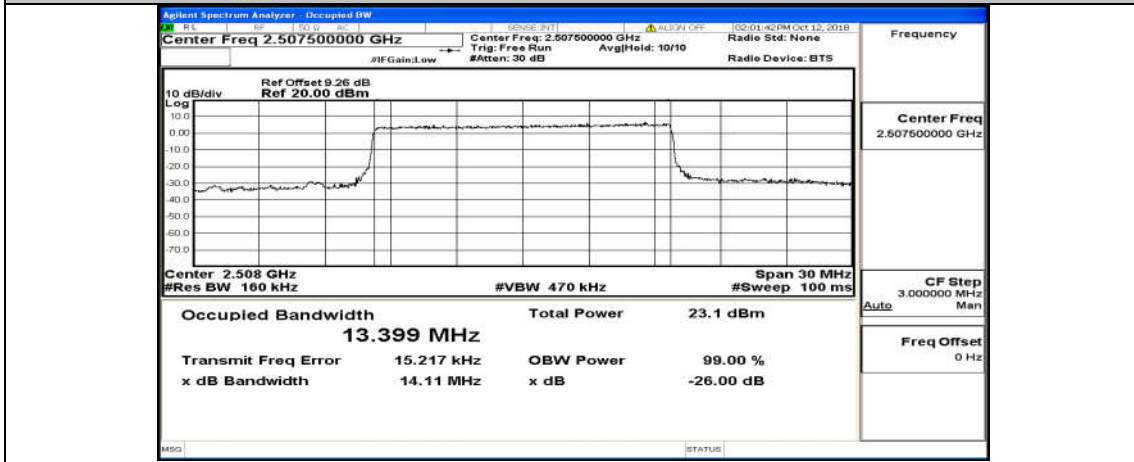
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



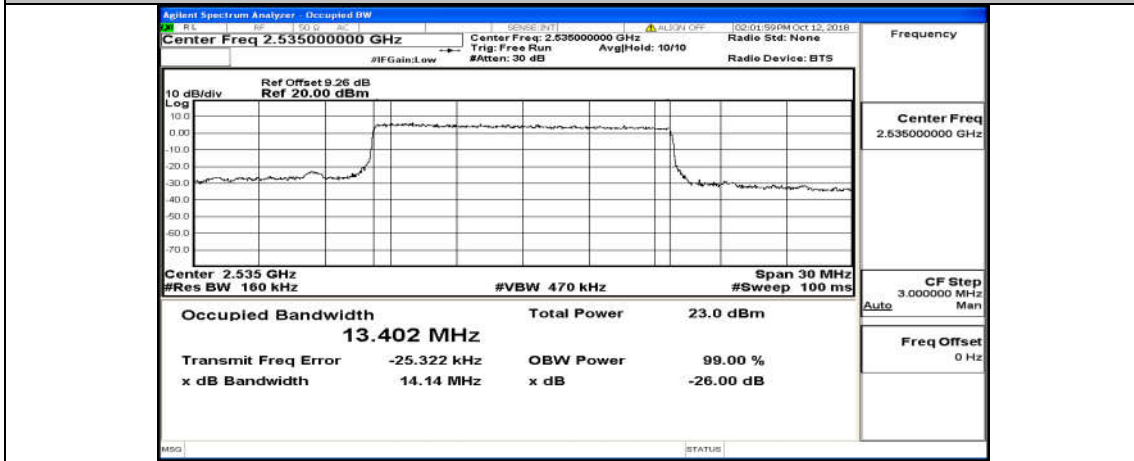
Channel Bandwidth: 15 MHz



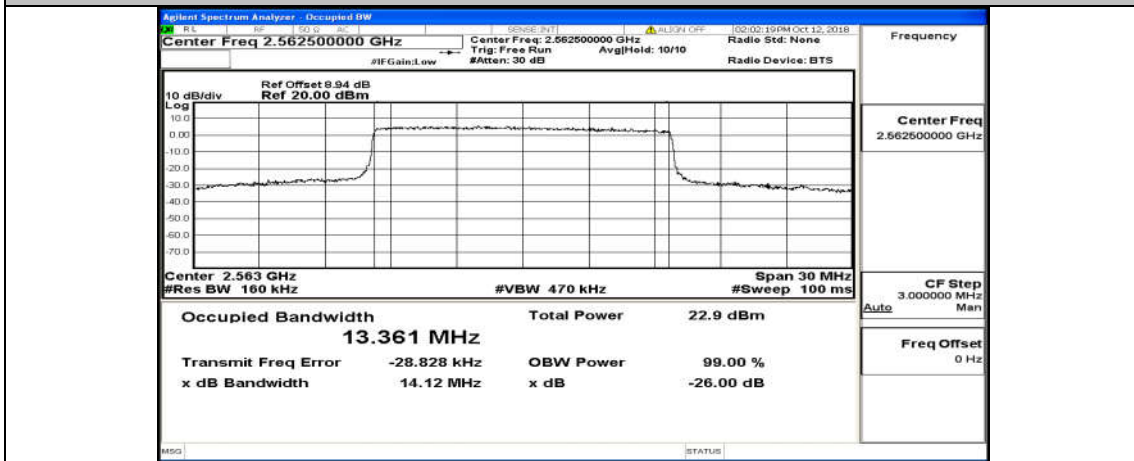
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



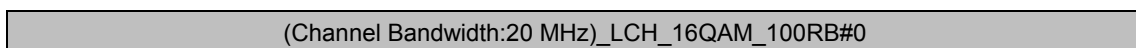
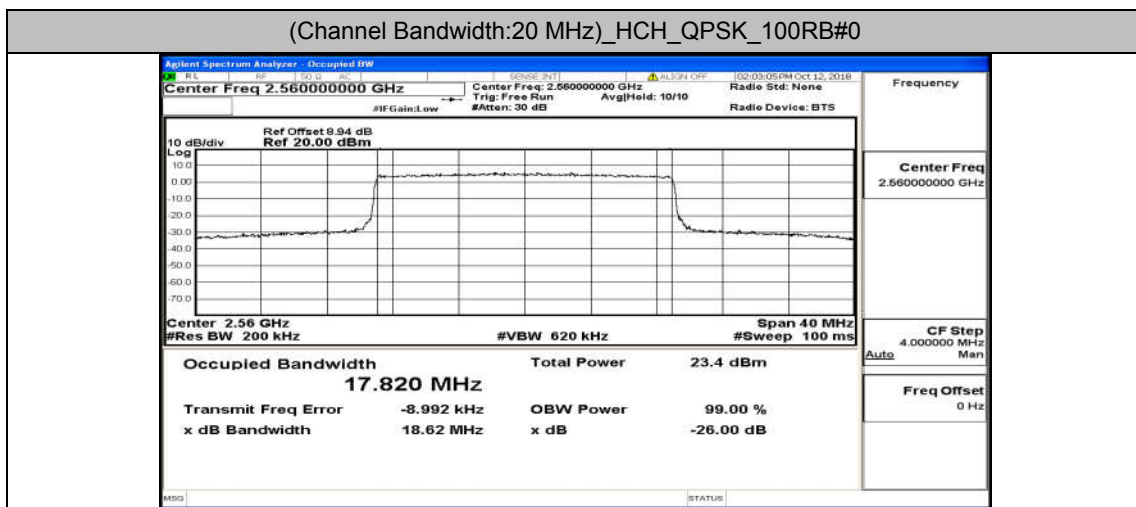
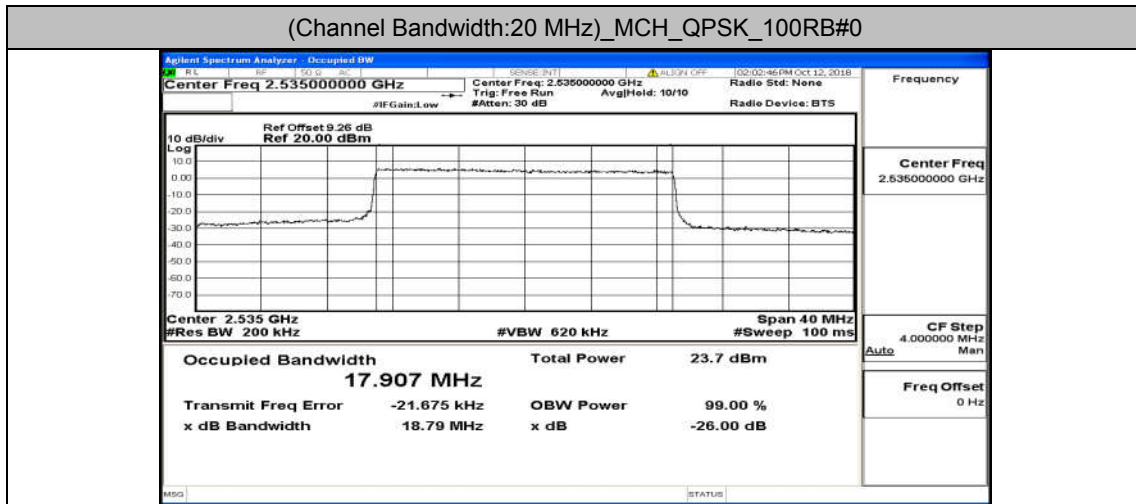
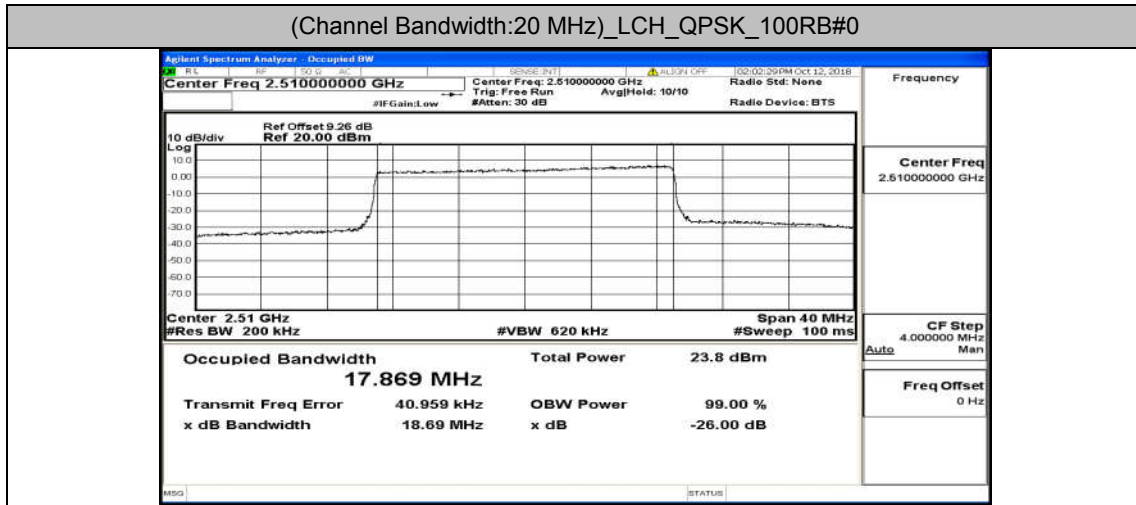
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

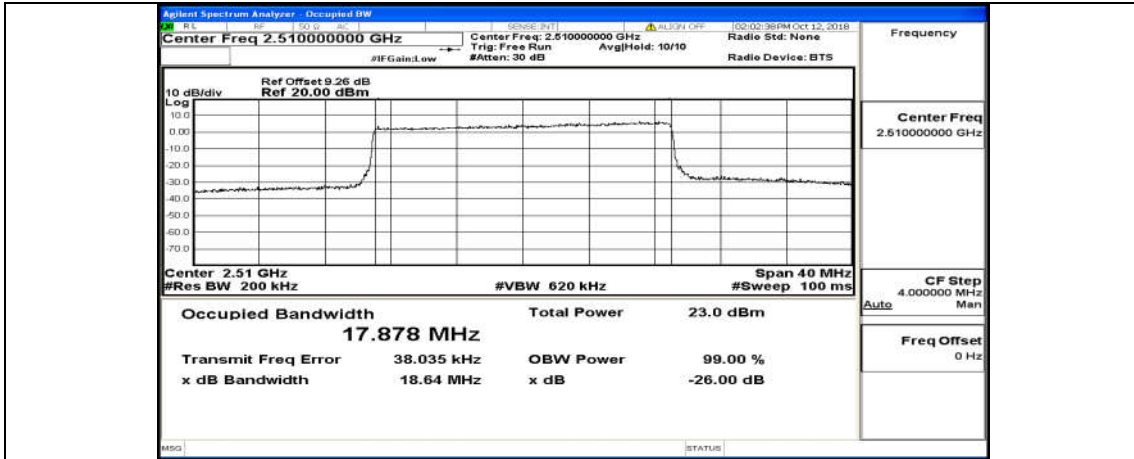


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

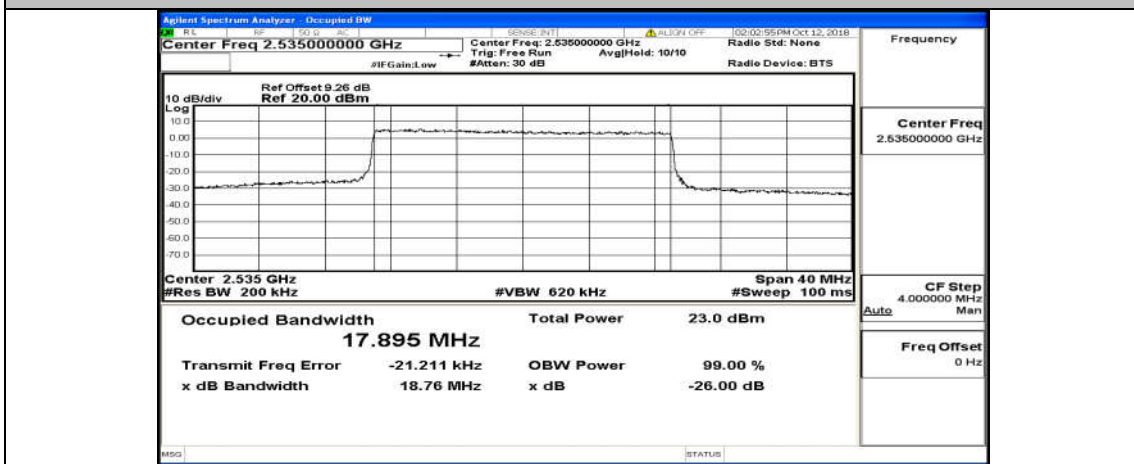


Channel Bandwidth: 20 MHz





(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

