

Appendix for Band 13

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	22.50	PASS
		1	12	22.62	PASS
		1	24	22.94	PASS
		12	0	21.75	PASS
		12	6	21.68	PASS
		12	13	21.90	PASS
		25	0	21.74	PASS
	MCH	1	0	22.59	PASS
		1	12	23.05	PASS
		1	24	23.08	PASS
		12	0	21.69	PASS
		12	6	21.94	PASS
		12	13	21.89	PASS
		25	0	21.64	PASS
	HCH	1	0	22.75	PASS
		1	12	23.11	PASS
		1	24	23.04	PASS
		12	0	21.74	PASS
		12	6	21.99	PASS
		12	13	21.94	PASS
		25	0	21.72	PASS
16QAM	LCH	1	0	21.89	PASS
		1	12	21.7	PASS
		1	24	21.94	PASS
		12	0	20.98	PASS
		12	6	20.76	PASS
		12	13	20.85	PASS
		25	0	20.71	PASS
	MCH	1	0	21.21	PASS
		1	12	21.35	PASS
		1	24	21.61	PASS
		12	0	20.59	PASS
		12	6	20.92	PASS

		12	13	20.87	PASS
		25	0	20.67	PASS
	HCH	1	0	21.12	PASS
		1	12	21.75	PASS
		1	24	21.66	PASS
		12	0	20.73	PASS
		12	6	21.00	PASS
		12	13	20.99	PASS
		25	0	20.86	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	22.52	PASS
		1	24	22.93	PASS
		1	49	23.35	PASS
		25	0	22.76	PASS
		25	12	22.54	PASS
		25	25	22.22	PASS
		50	0	22.60	PASS
16QAM	MCH	1	0	21.40	PASS
		1	24	22.14	PASS
		1	49	22.60	PASS
		25	0	20.43	PASS
		25	12	20.53	PASS
		25	25	20.79	PASS
		50	0	20.39	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.34	<13	PASS
		1	12	4.8	<13	PASS
		1	24	5.31	<13	PASS
		12	0	5.08	<13	PASS
		12	6	5.35	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.74	<13	PASS
	MCH	1	0	5	<13	PASS
		1	12	5.16	<13	PASS
		1	24	5.22	<13	PASS
		12	0	5.67	<13	PASS
		12	6	5.67	<13	PASS
		12	13	5.76	<13	PASS
		25	0	6.10	<13	PASS
	HCH	1	0	5.31	<13	PASS
		1	12	4.97	<13	PASS
		1	24	4.54	<13	PASS
		12	0	5.66	<13	PASS
		12	6	5.52	<13	PASS
		12	13	5.38	<13	PASS
		25	0	5.81	<13	PASS
16QAM	LCH	1	0	5.1	<13	PASS
		1	12	5.73	<13	PASS
		1	24	6.13	<13	PASS
		12	0	5.95	<13	PASS
		12	6	6.19	<13	PASS
		12	13	6.54	<13	PASS
		25	0	6.53	<13	PASS
	MCH	1	0	5.88	<13	PASS
		1	12	5.96	<13	PASS
		1	24	5.94	<13	PASS
		12	0	6.62	<13	PASS
		12	6	6.54	<13	PASS

		12	13	6.65	<13	PASS
		25	0	6.94	<13	PASS
	HCH	1	0	6.24	<13	PASS
		1	12	6.04	<13	PASS
		1	24	5.55	<13	PASS
		12	0	6.59	<13	PASS
		12	6	6.39	<13	PASS
		12	13	6.25	<13	PASS
		25	0	6.69	<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	MCH	1	0	4.31	<13	PASS
		1	24	5.26	<13	PASS
		1	49	4.65	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.68	<13	PASS
		25	25	5.6	<13	PASS
		50	0	5.79	<13	PASS
16QAM	MCH	1	0	5.05	<13	PASS
		1	24	6.08	<13	PASS
		1	49	5.35	<13	PASS
		25	0	6.39	<13	PASS
		25	12	6.59	<13	PASS
		25	25	6.51	<13	PASS
		50	0	6.64	<13	PASS
		50	0	6.61	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



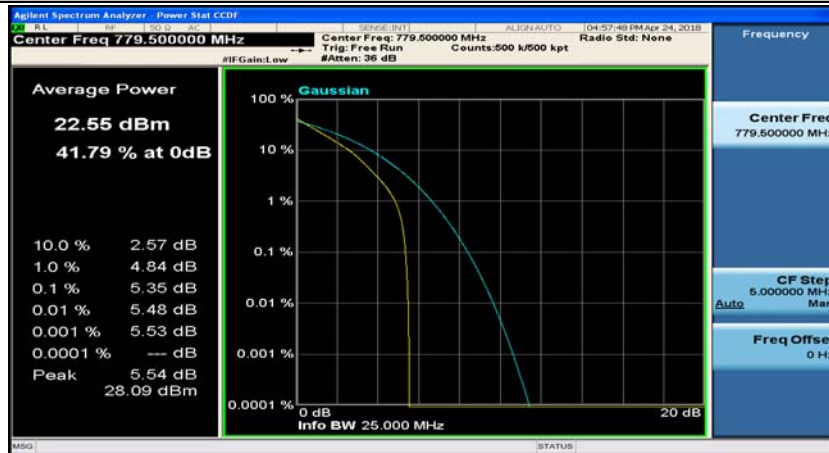
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



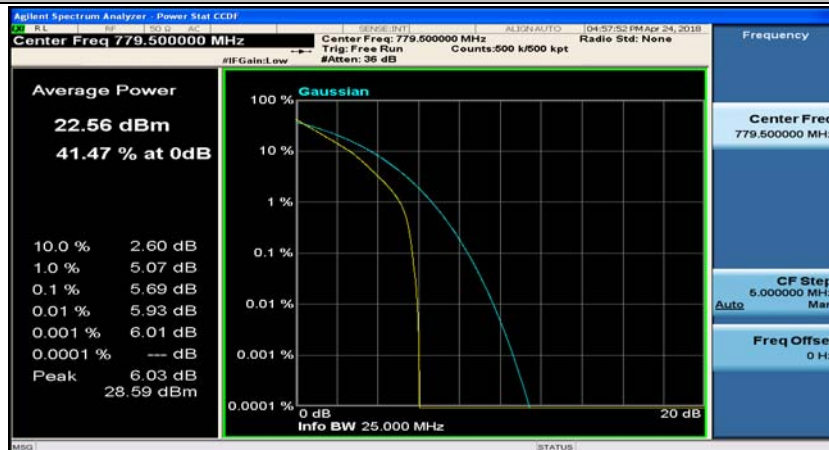
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



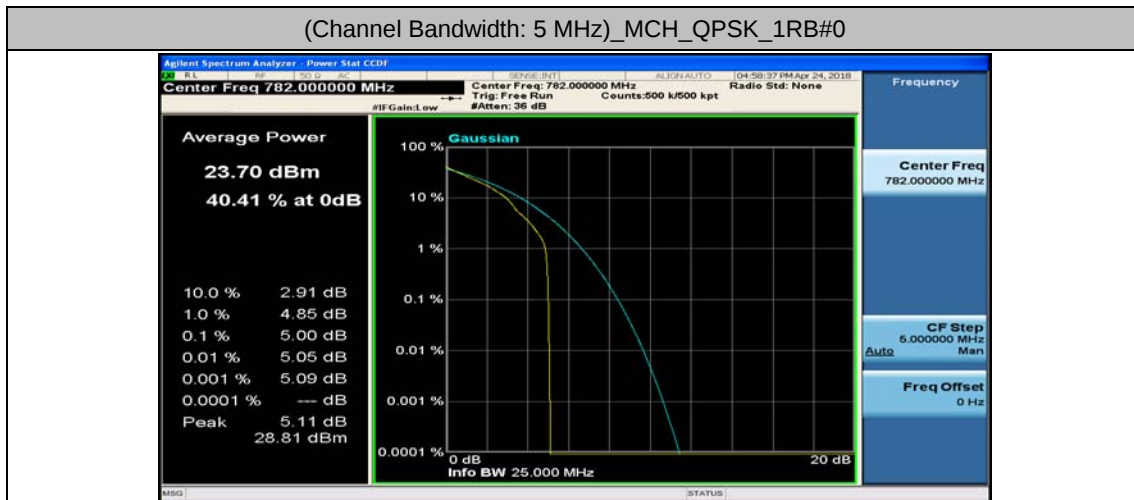
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



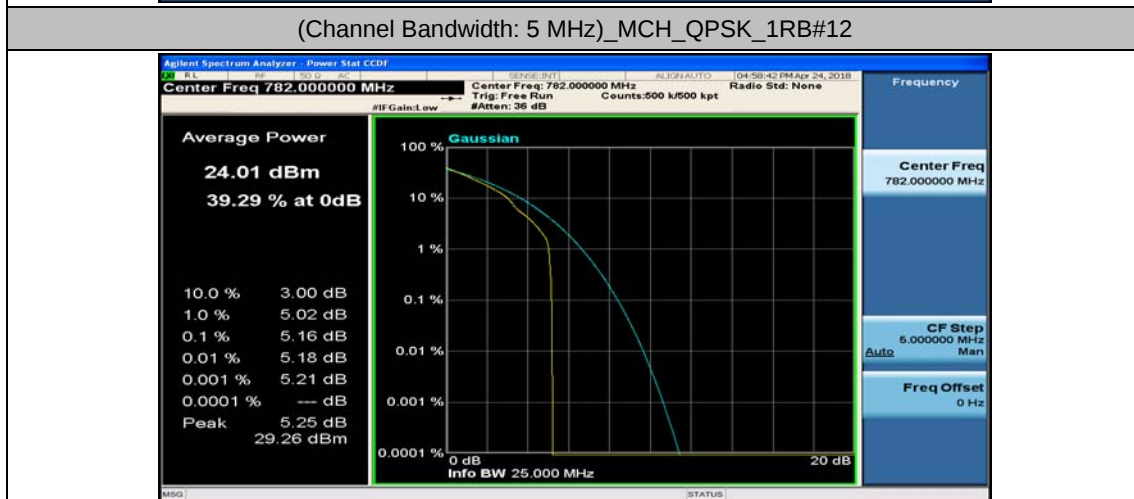
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



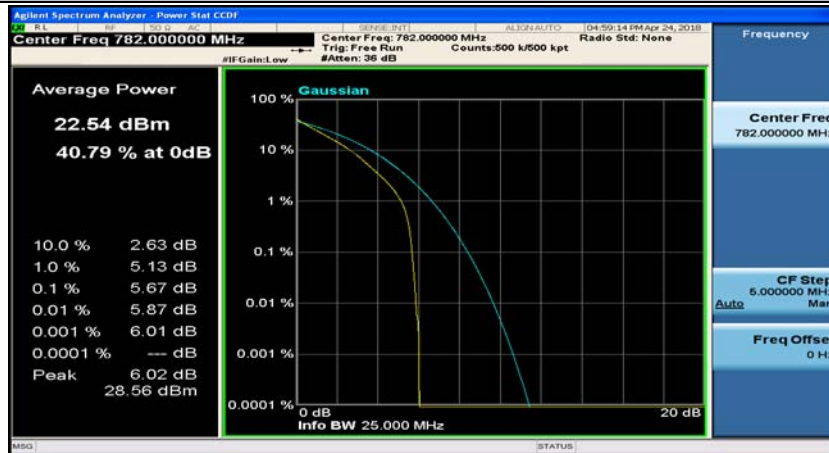
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



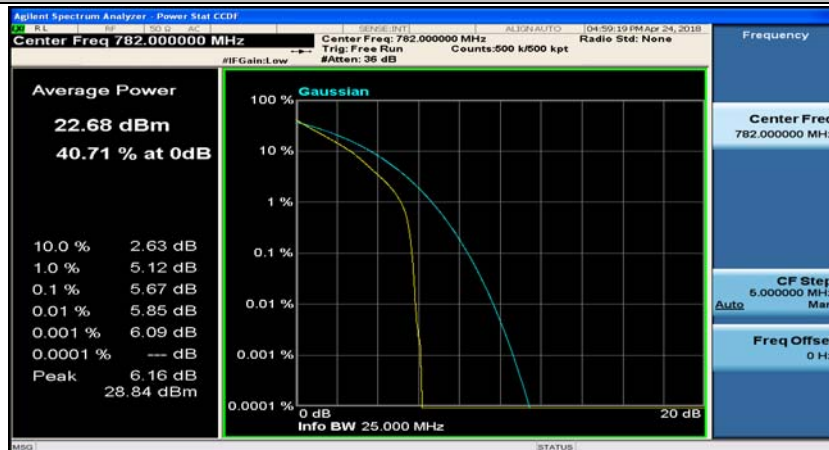
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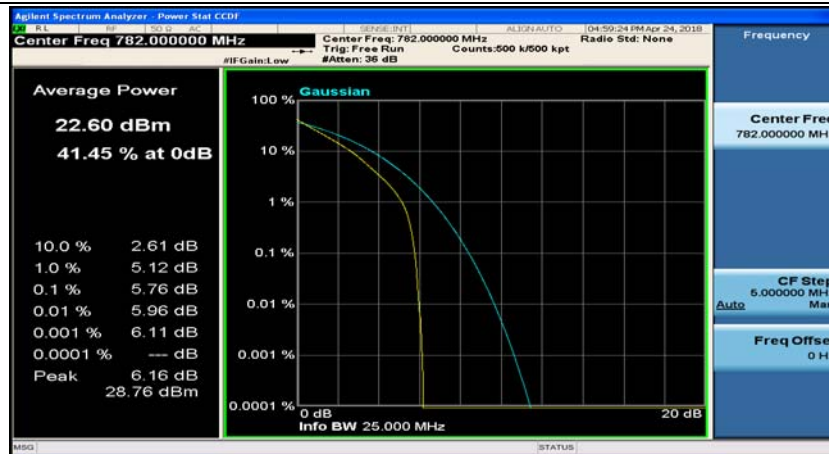
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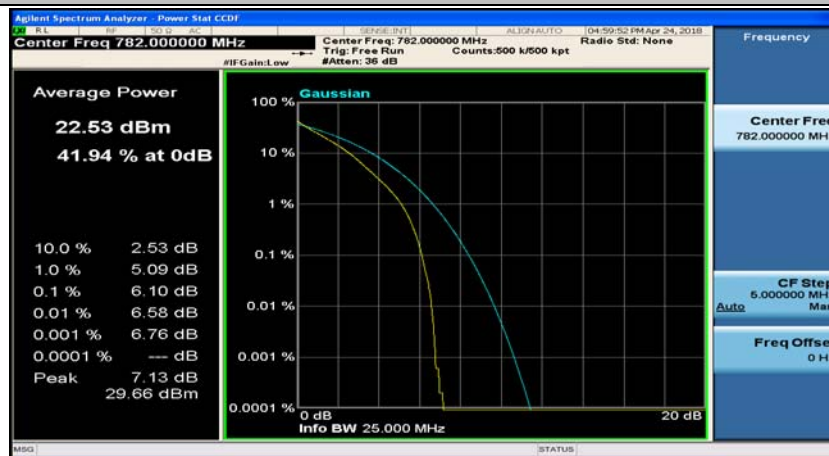
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



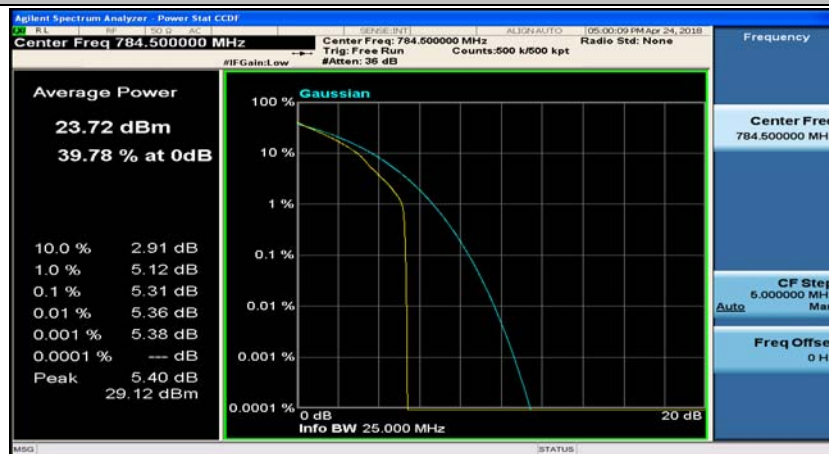
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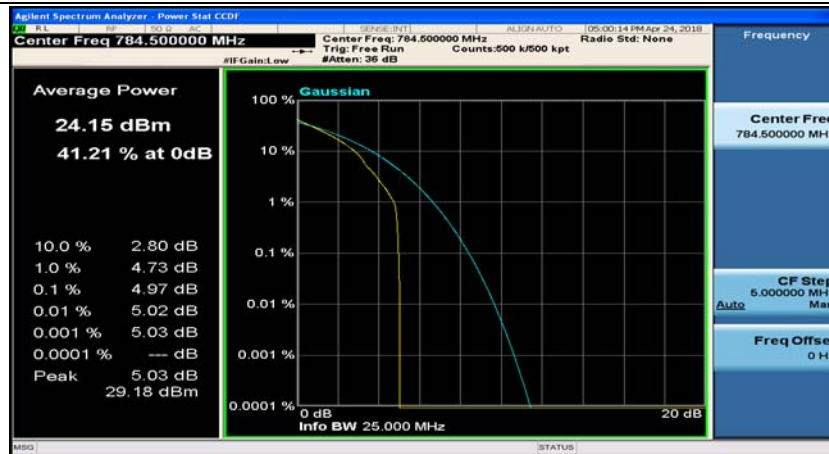
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



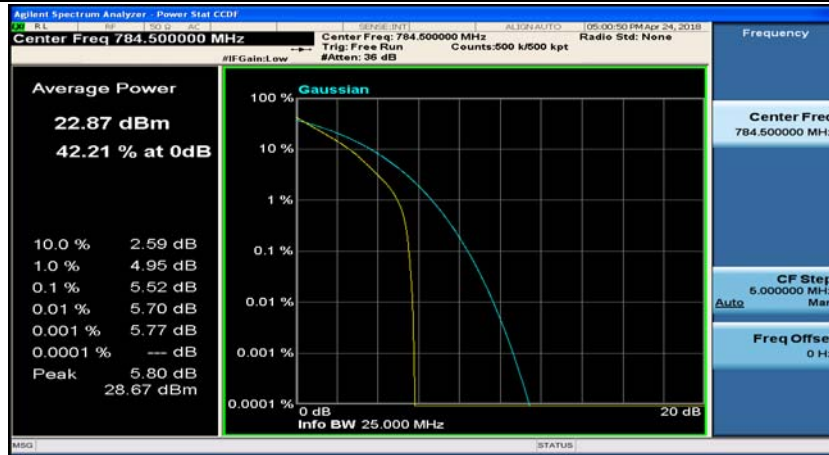
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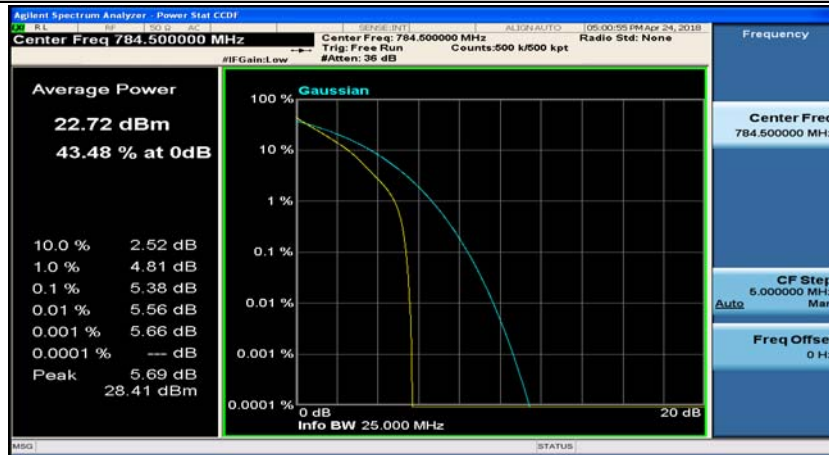
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



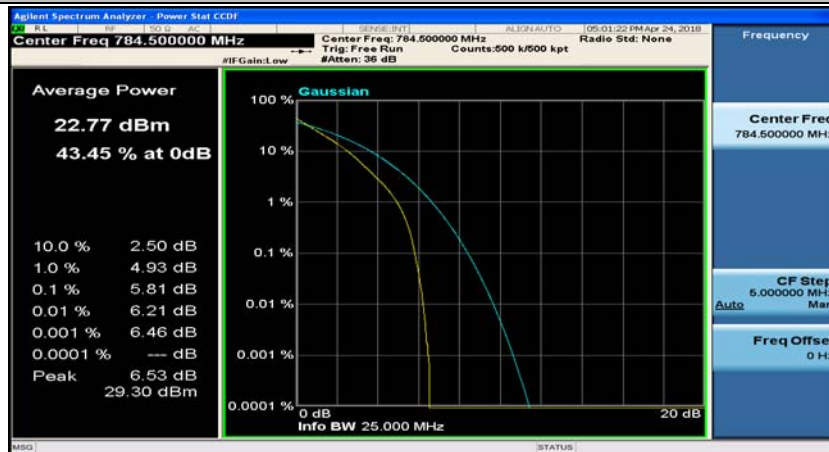
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



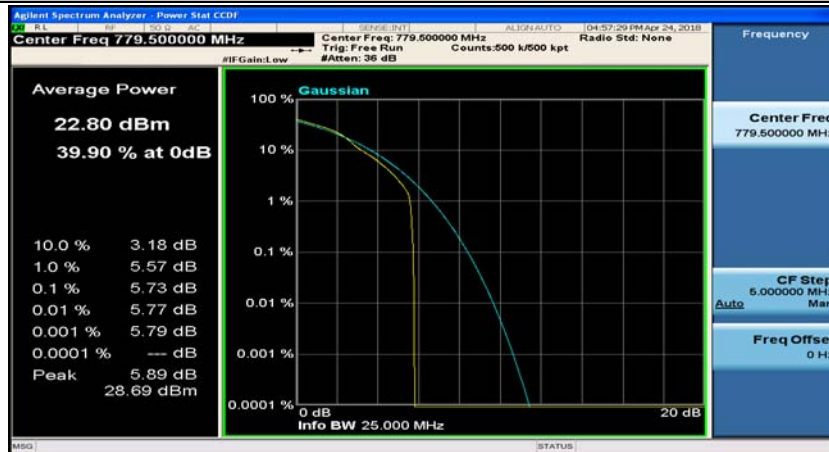
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



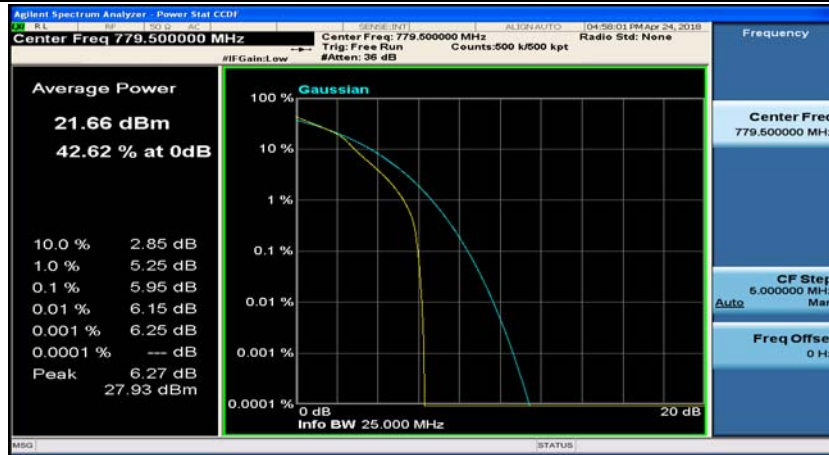
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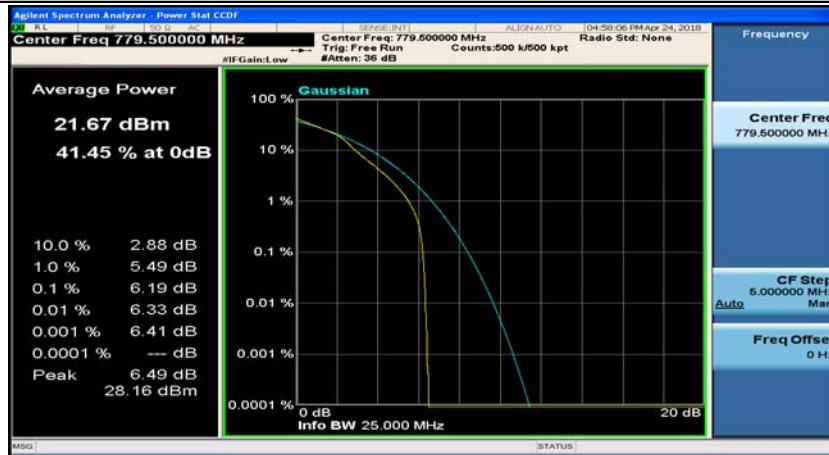
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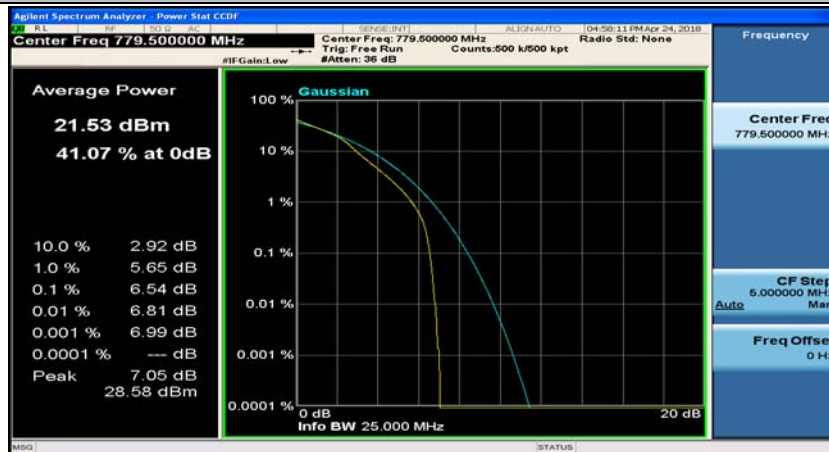
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



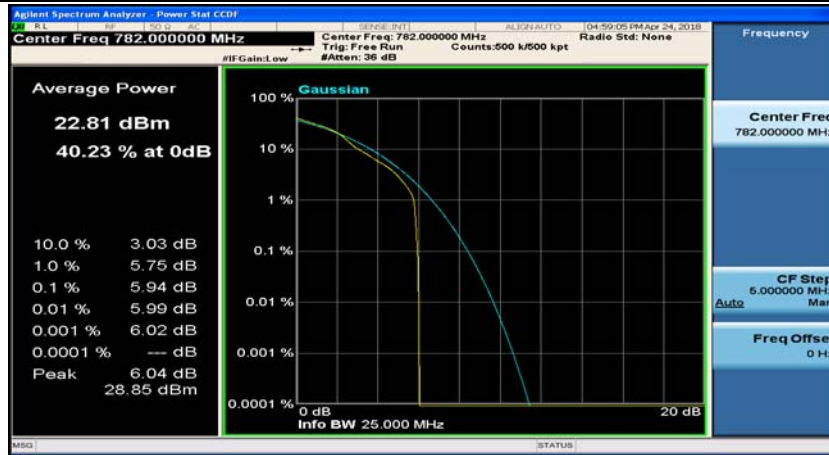
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



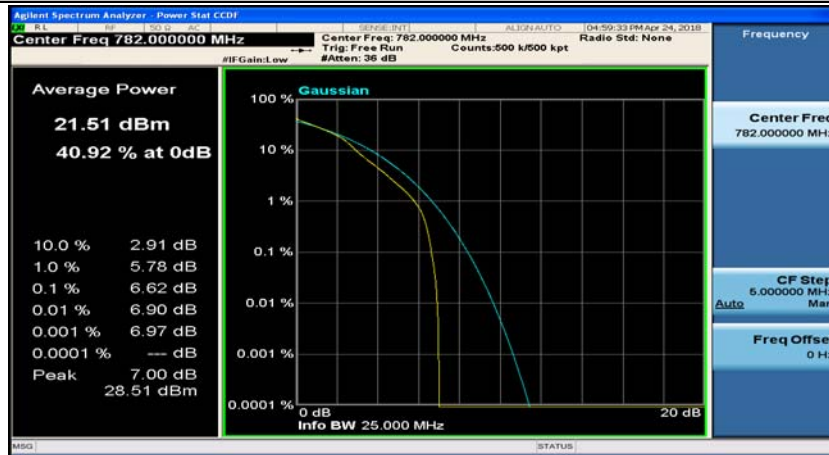
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



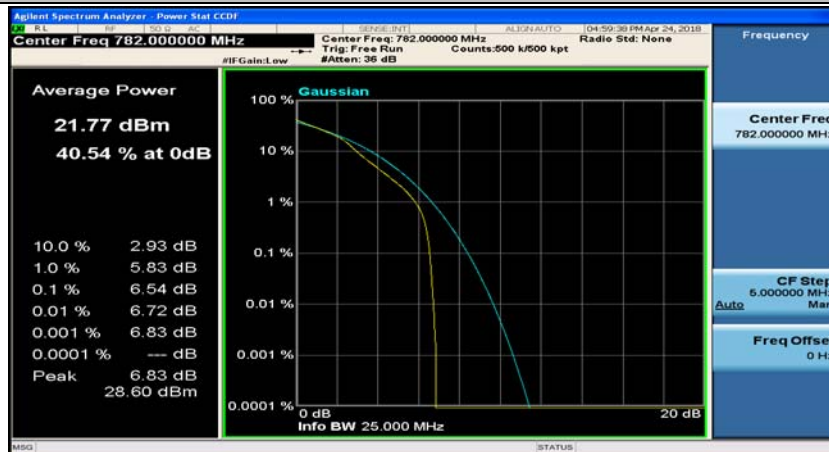
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



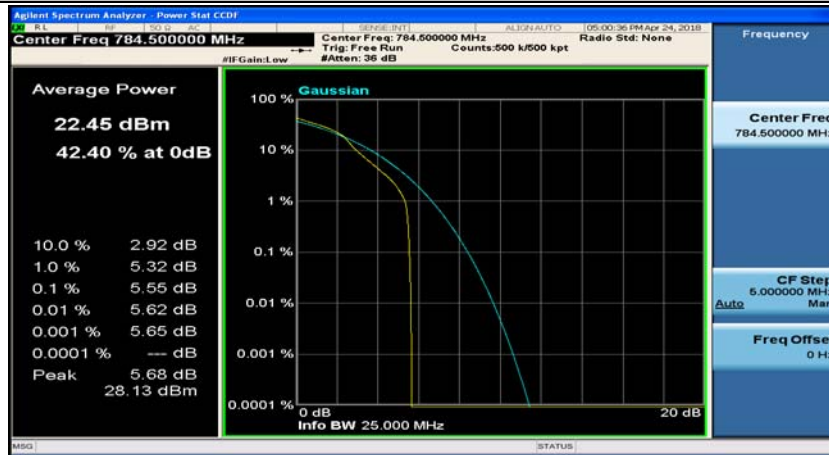
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



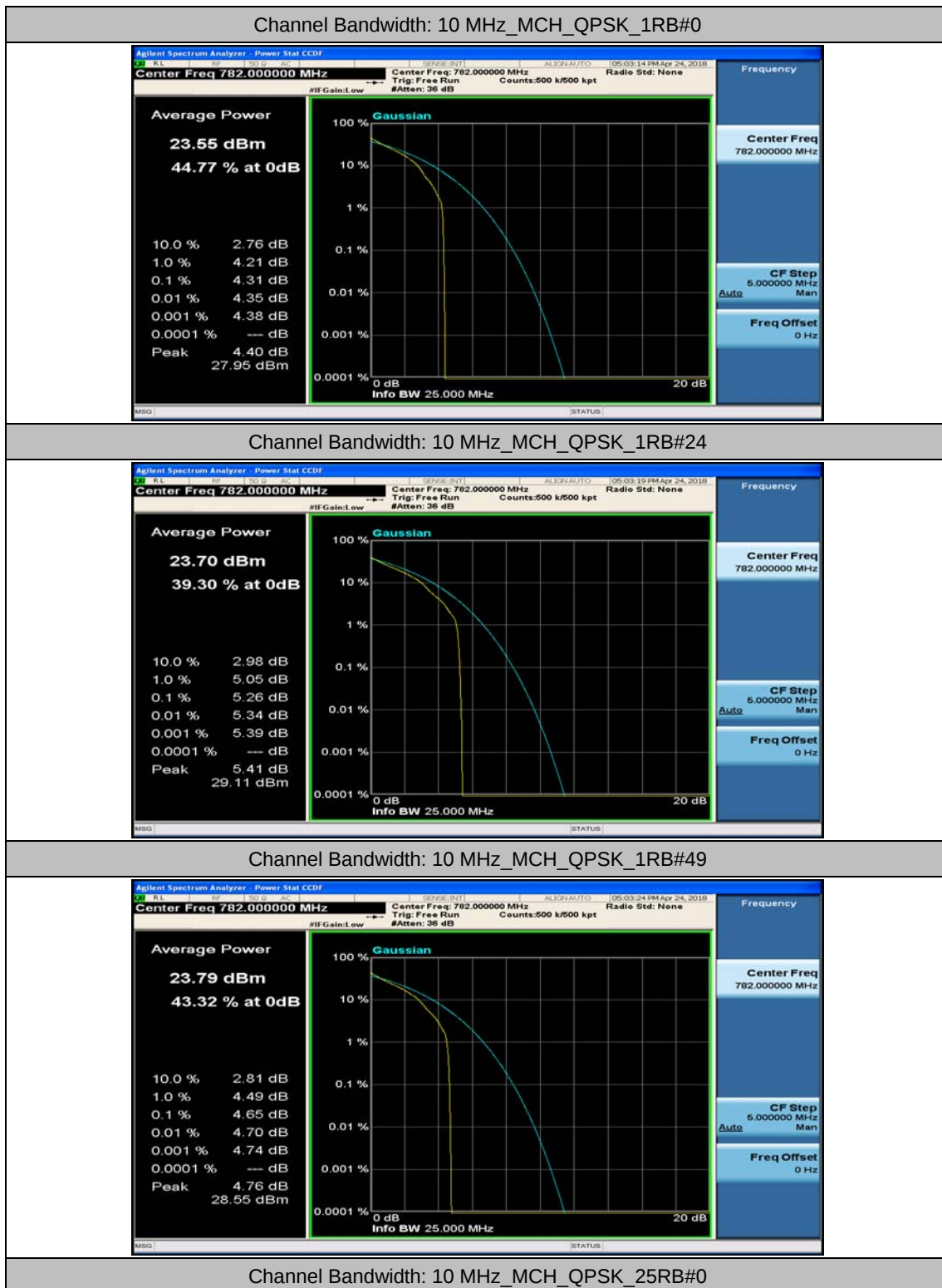
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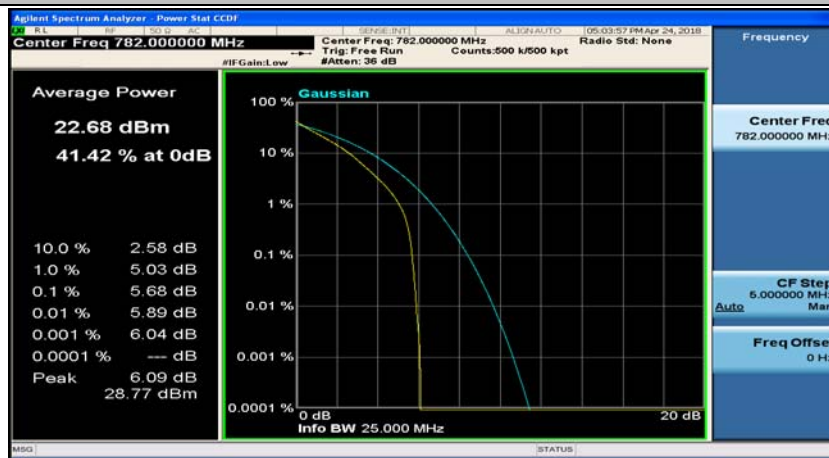
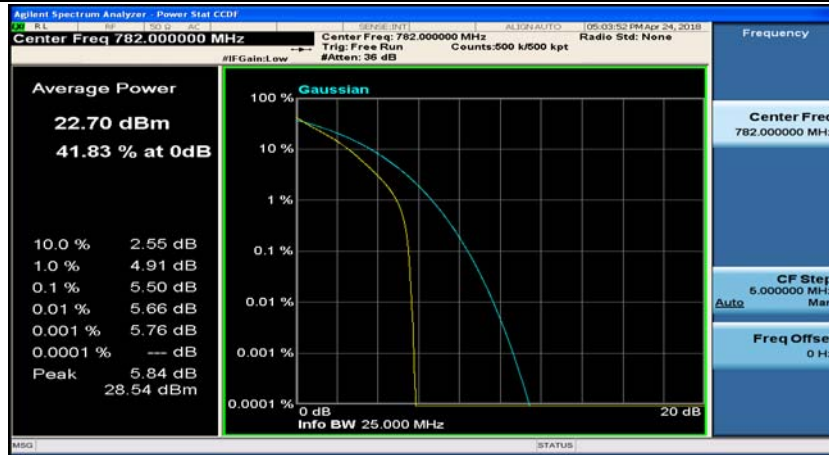


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



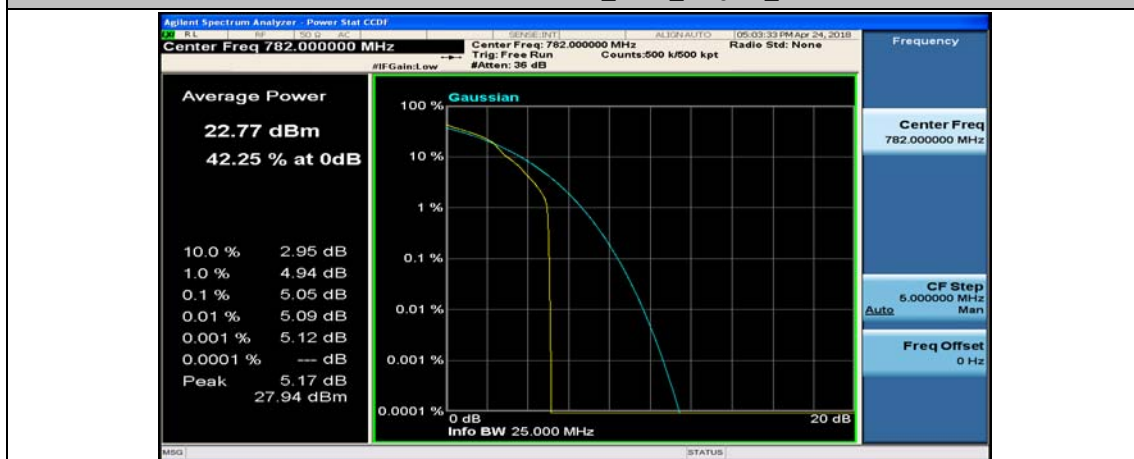
Channel Bandwidth: 10 MHz



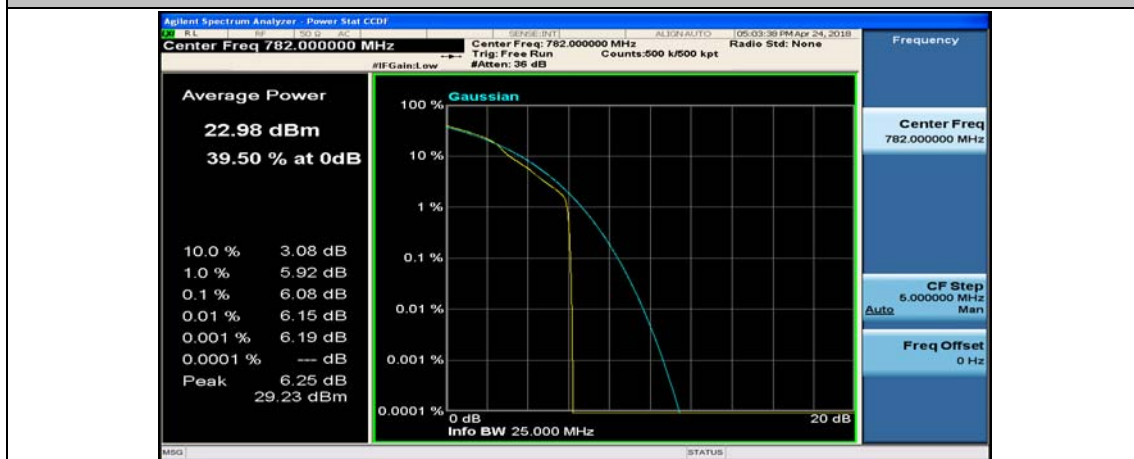




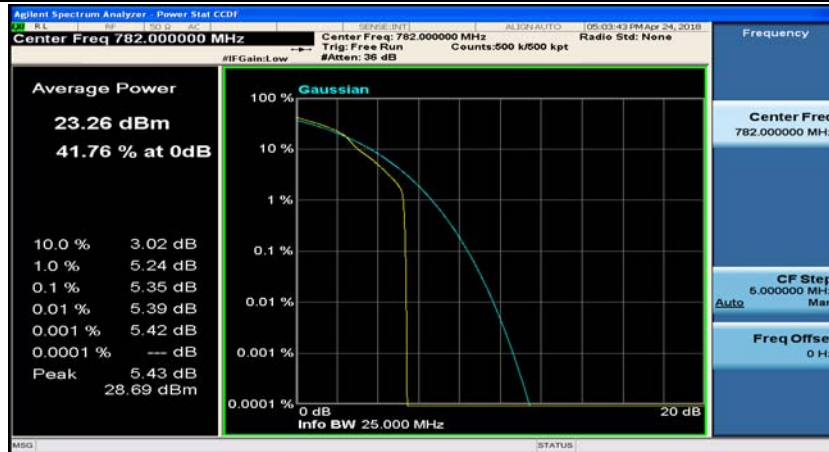
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

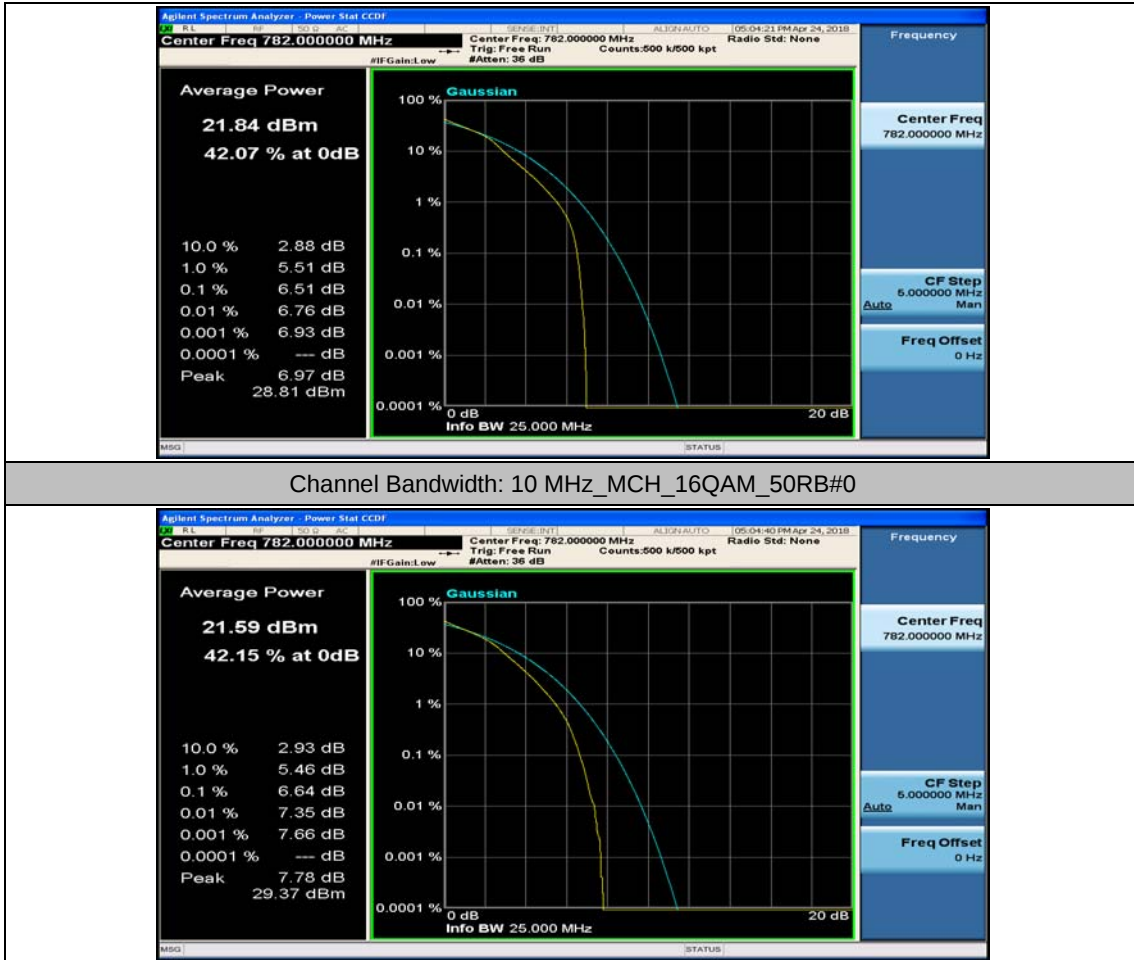


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49





Appendix C: 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	4.4768	4.833	PASS
	MCH	25	0	4.4828	4.821	PASS
	HCH	25	0	4.4772	4.802	PASS
16QAM	LCH	25	0	4.4809	4.816	PASS
	MCH	25	0	4.4883	4.836	PASS
	HCH	25	0	4.4777	4.802	PASS

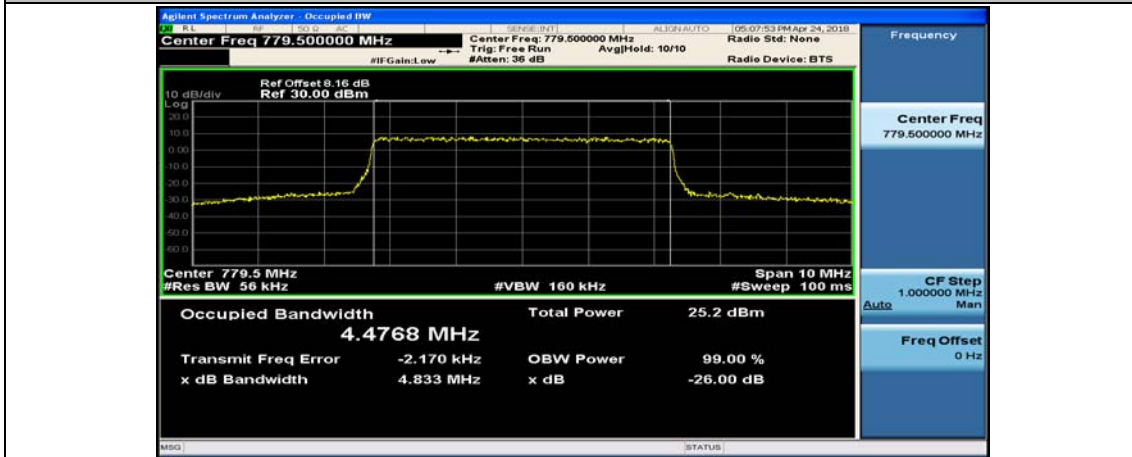
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9630	9.486	PASS
16QAM	MCH	50	0	8.9513	9.464	PASS

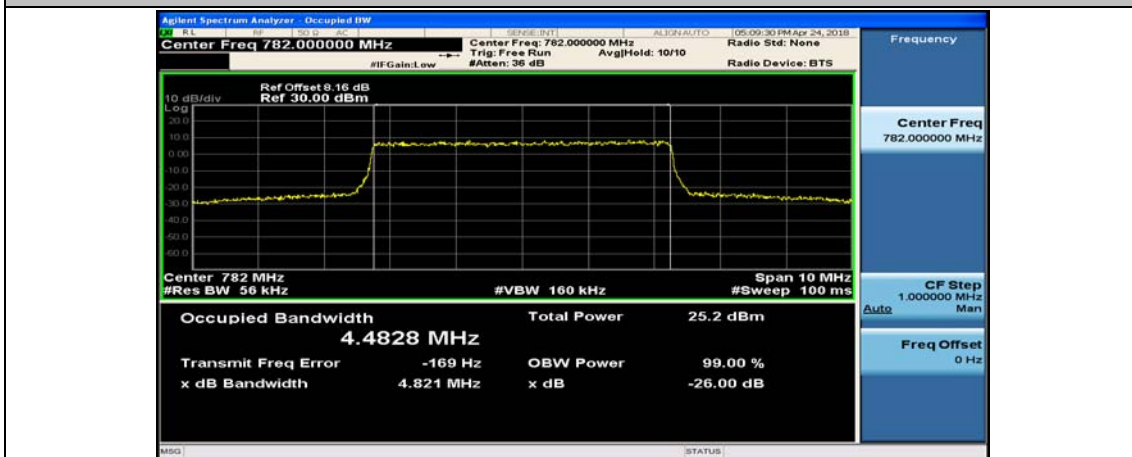
Test Graphs

Channel Bandwidth: 5 MHz

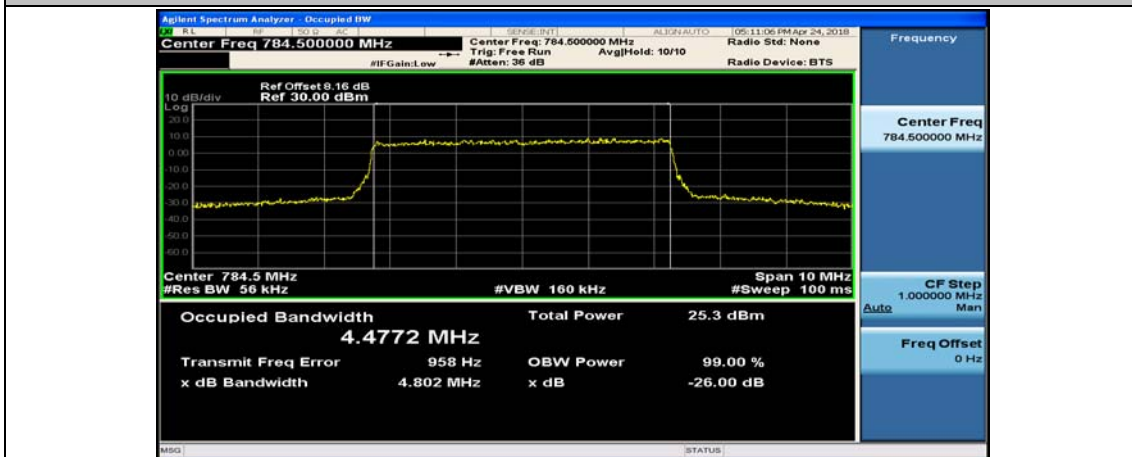
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



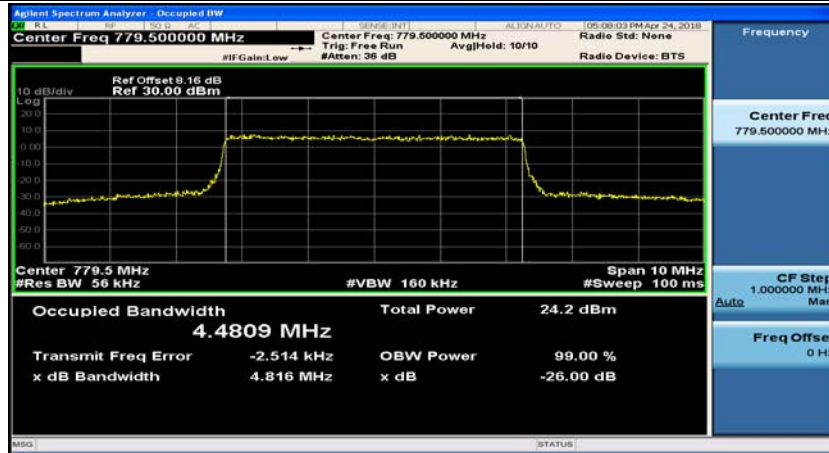
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



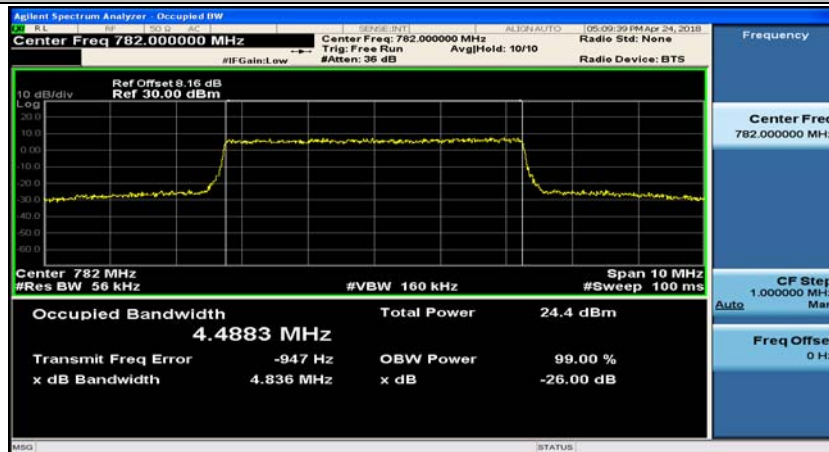
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



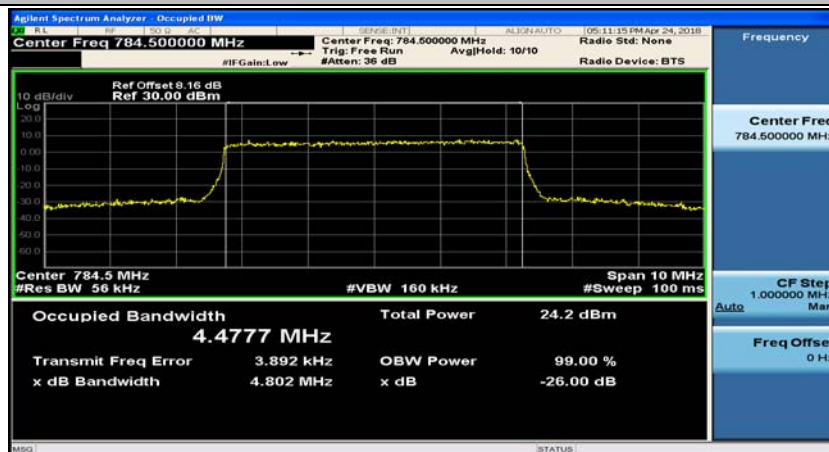
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

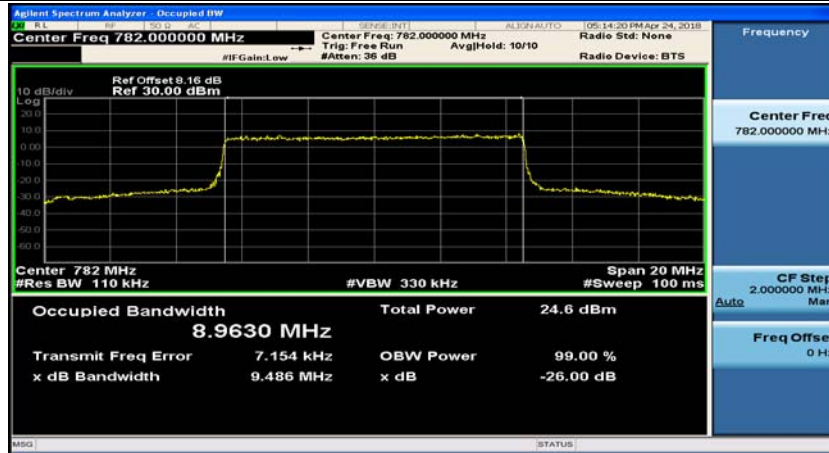


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

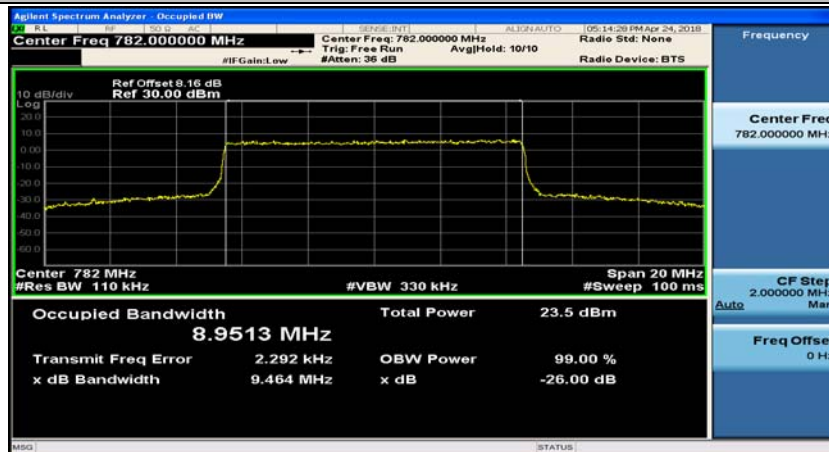


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

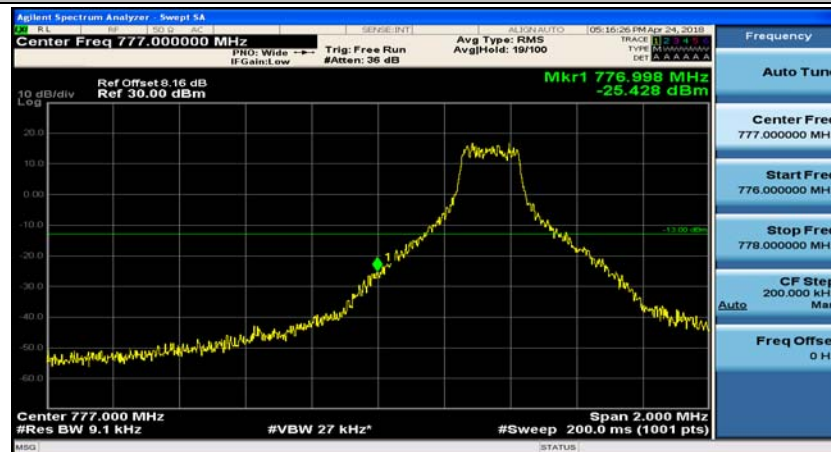


Appendix D: Band Edge

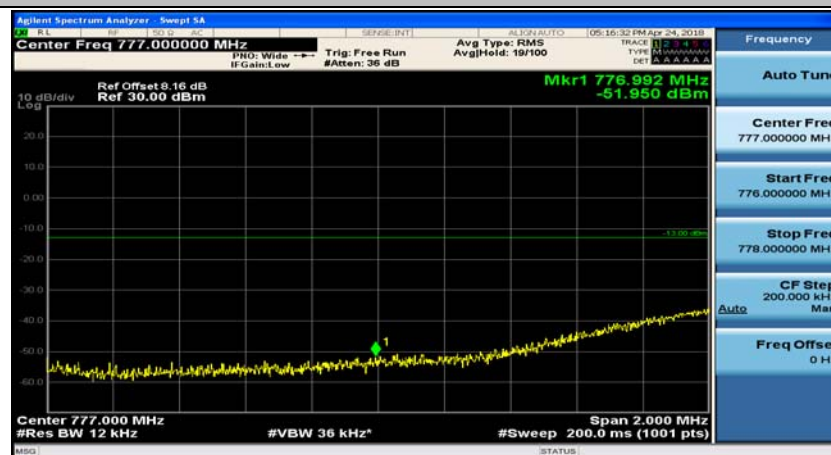
Test Graphs

Channel Bandwidth: 5 MHz

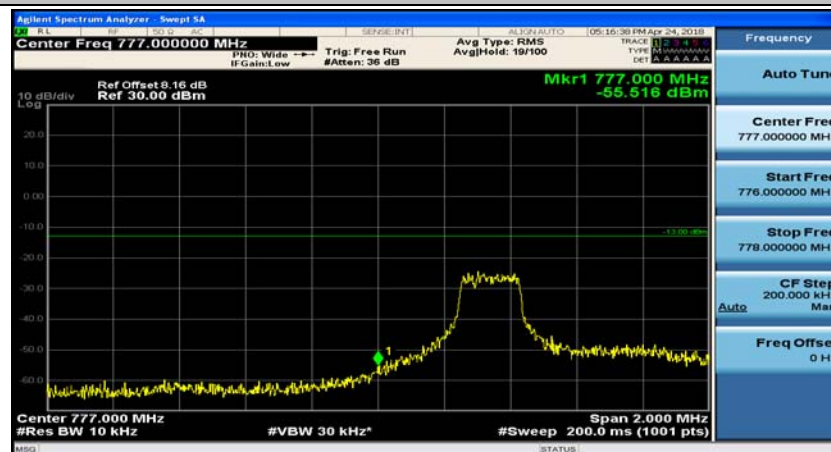
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



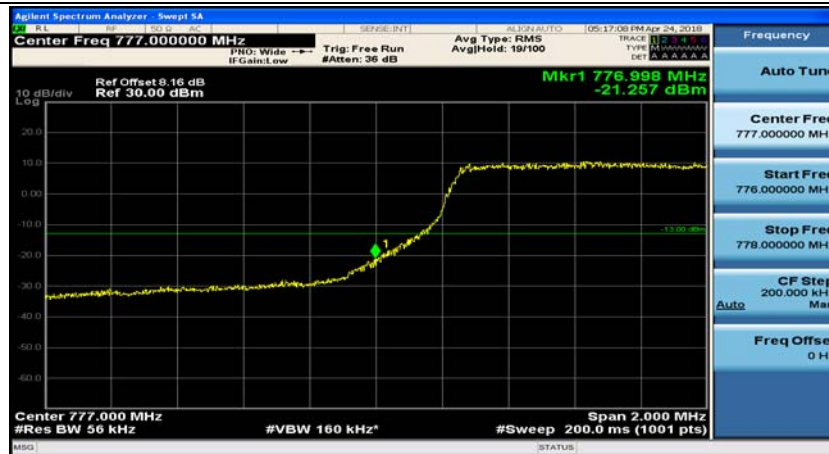
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



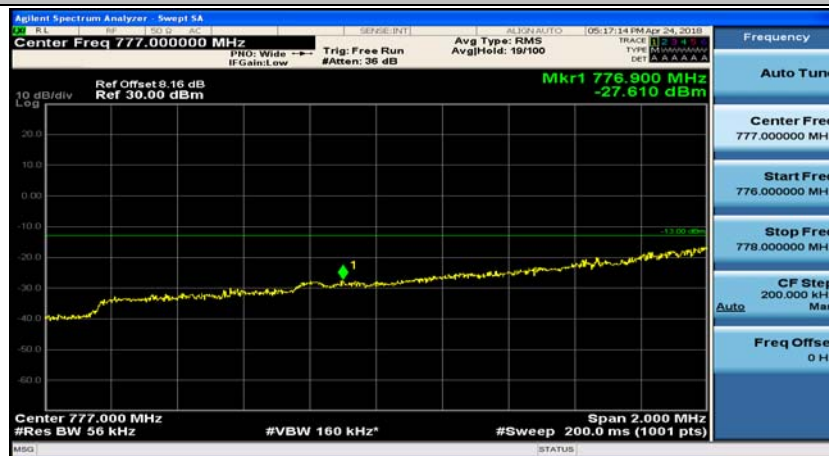
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



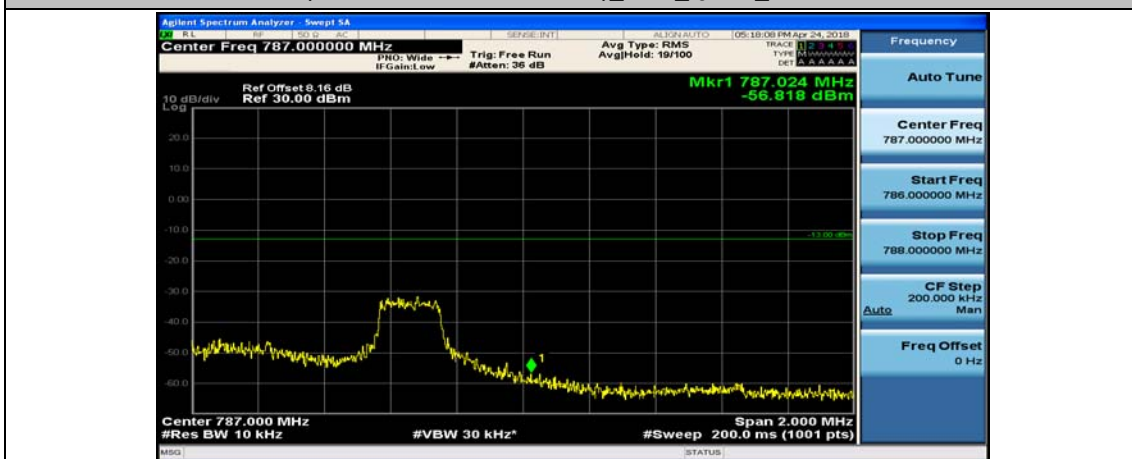
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



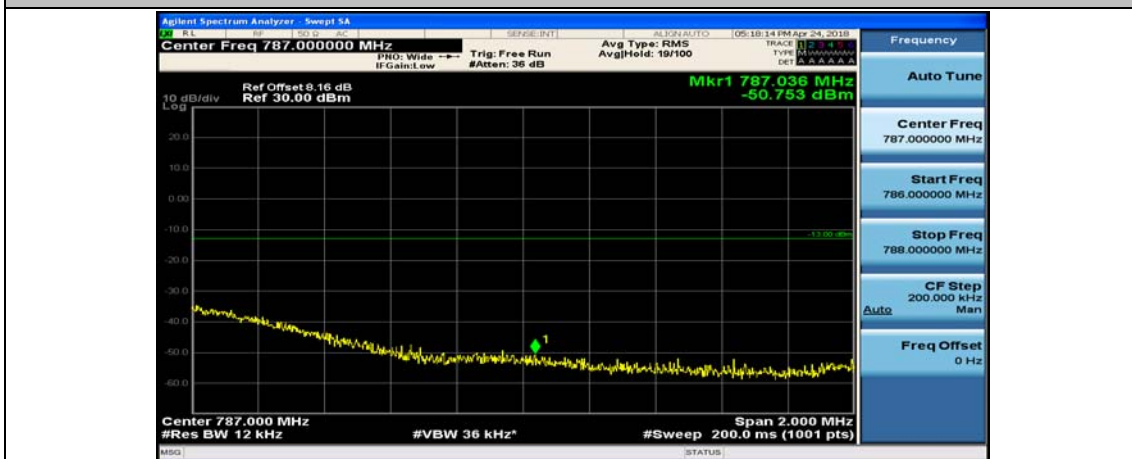
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



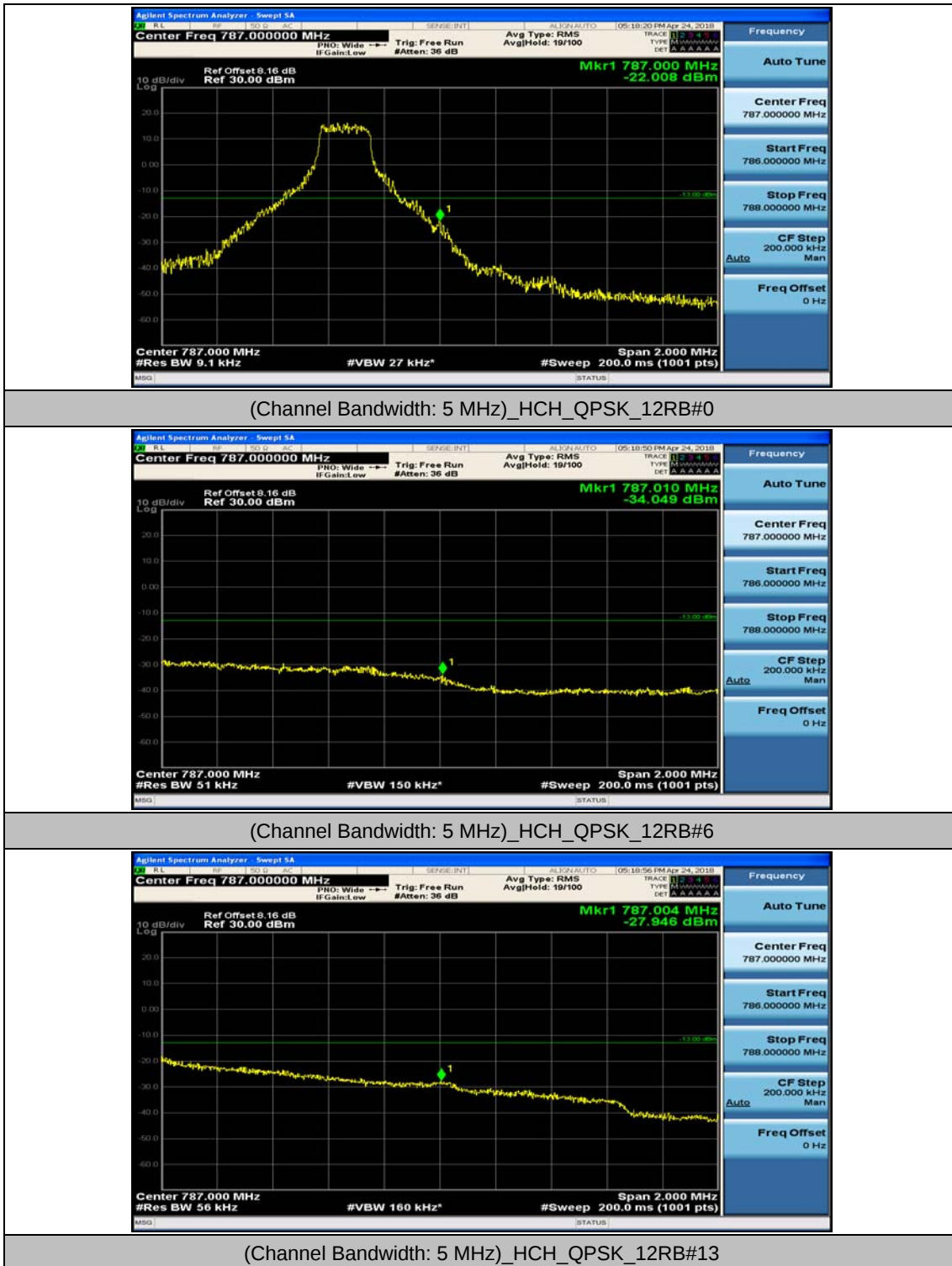
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

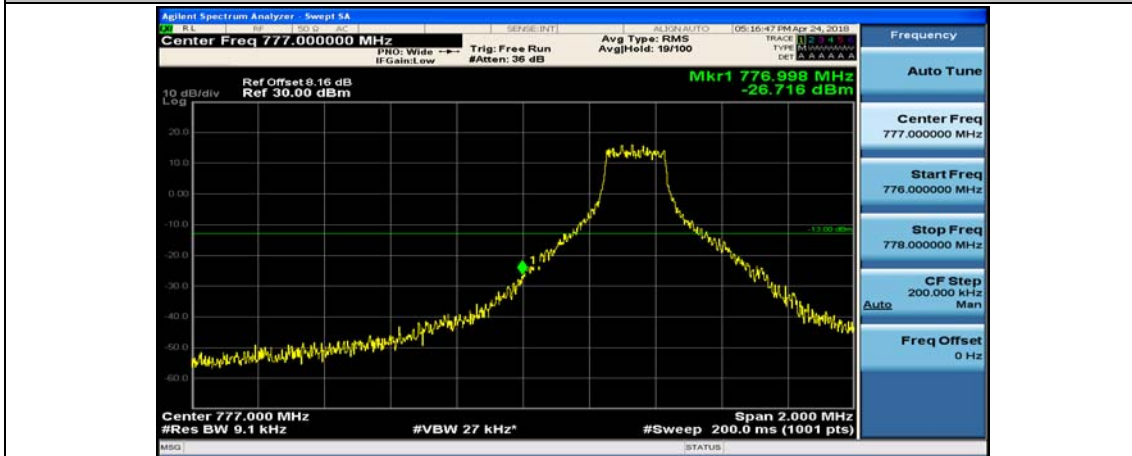




(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12