

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	20.47	19.77	PASS
		1	12	20.41	19.71	PASS
		1	24	20.45	19.75	PASS
		12	0	19.79	19.09	PASS
		12	6	19.68	18.98	PASS
		12	13	19.46	18.76	PASS
		25	0	19.63	18.93	PASS
	MCH	1	0	24.57	23.87	PASS
		1	12	24.61	23.91	PASS
		1	24	24.64	23.94	PASS
		12	0	23.54	22.84	PASS
		12	6	23.54	22.84	PASS
		12	13	23.62	22.92	PASS
		25	0	23.56	22.86	PASS
	HCH	1	0	24.43	23.73	PASS
		1	12	24.44	23.74	PASS
		1	24	24.43	23.73	PASS
		12	0	23.56	22.86	PASS
		12	6	23.56	22.86	PASS
		12	13	23.55	22.85	PASS
		25	0	23.52	22.82	PASS
16QAM	LCH	1	0	19.39	18.69	PASS
		1	12	18.86	18.16	PASS
		1	24	18.88	18.18	PASS
		12	0	18.38	17.68	PASS
		12	6	18.68	17.98	PASS
		12	13	18.41	17.71	PASS
		25	0	22.51	21.81	PASS
	MCH	1	0	23.71	23.01	PASS
		1	12	23.67	22.97	PASS
		1	24	23.80	23.10	PASS
		12	0	22.47	21.77	PASS
		12	6	22.38	21.68	PASS

		12	13	22.38	21.68	PASS
		25	0	22.68	21.98	PASS
	HCH	1	0	23.05	22.35	PASS
		1	12	22.98	22.28	PASS
		1	24	23.01	22.31	PASS
		12	0	22.45	21.75	PASS
		12	6	22.45	21.75	PASS
		12	13	22.35	21.65	PASS
		25	0	22.41	21.71	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	24.29	23.59	PASS
		1	24	24.41	23.71	PASS
		1	49	24.39	23.69	PASS
		25	0	23.61	22.91	PASS
		25	12	23.61	22.91	PASS
		25	25	23.53	22.83	PASS
		50	0	23.54	22.84	PASS
	MCH	1	0	24.76	24.06	PASS
		1	24	24.45	23.75	PASS
		1	49	24.50	23.80	PASS
		25	0	23.61	22.91	PASS
		25	12	23.61	22.91	PASS
		25	25	23.52	22.82	PASS
		50	0	23.54	22.84	PASS
	HCH	1	0	24.75	24.05	PASS
		1	24	24.42	23.72	PASS
		1	49	24.50	23.80	PASS
		25	0	23.60	22.90	PASS
		25	12	23.60	22.90	PASS
		25	25	23.52	22.82	PASS
		50	0	23.54	22.84	PASS
16QAM	LCH	1	0	24.24	23.54	PASS
		1	24	23.77	23.07	PASS
		1	49	23.56	22.86	PASS
		25	0	22.48	21.78	PASS
		25	12	22.48	21.78	PASS
		25	25	22.49	21.79	PASS

	MCH	50	0	22.59	21.89	PASS
		1	0	23.48	22.78	PASS
		1	24	23.52	22.82	PASS
		1	49	23.46	22.76	PASS
		25	0	22.66	21.96	PASS
		25	12	22.58	21.88	PASS
		25	25	22.49	21.79	PASS
		50	0	22.31	21.61	PASS
	HCH	1	0	23.56	22.86	PASS
		1	24	23.51	22.81	PASS
		1	49	23.44	22.74	PASS
		25	0	22.54	21.84	PASS
		25	12	22.58	21.88	PASS
		25	25	22.49	21.79	PASS
		50	0	22.59	21.89	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	4.18	<13	PASS
		1	12	4.07	<13	PASS
		1	24	4.23	<13	PASS
		12	0	4.61	<13	PASS
		12	6	4.62	<13	PASS
		12	13	4.70	<13	PASS
		25	0	4.88	<13	PASS
	MCH	1	0	4.08	<13	PASS
		1	12	3.96	<13	PASS
		1	24	4.11	<13	PASS
		12	0	4.64	<13	PASS
		12	6	4.66	<13	PASS
		12	13	4.66	<13	PASS
		25	0	4.90	<13	PASS
	HCH	1	0	4.06	<13	PASS
		1	12	4.06	<13	PASS
		1	24	3.99	<13	PASS
		12	0	4.66	<13	PASS
		12	6	4.66	<13	PASS
		12	13	4.58	<13	PASS
		25	0	4.82	<13	PASS
16QAM	LCH	1	0	5.20	<13	PASS
		1	12	5.06	<13	PASS
		1	24	5.23	<13	PASS
		12	0	5.56	<13	PASS
		12	6	5.63	<13	PASS
		12	13	5.66	<13	PASS
		25	0	5.68	<13	PASS
	MCH	1	0	4.83	<13	PASS
		1	12	4.97	<13	PASS
		1	24	5.05	<13	PASS
		12	0	5.58	<13	PASS

		12	6	5.55	<13	PASS
		12	13	5.57	<13	PASS
		25	0	5.75	<13	PASS
	HCH	1	0	5.09	<13	PASS
		1	12	5.05	<13	PASS
		1	24	5.13	<13	PASS
		12	0	5.57	<13	PASS
		12	6	5.64	<13	PASS
		12	13	5.57	<13	PASS
		25	0	5.63	<13	PASS

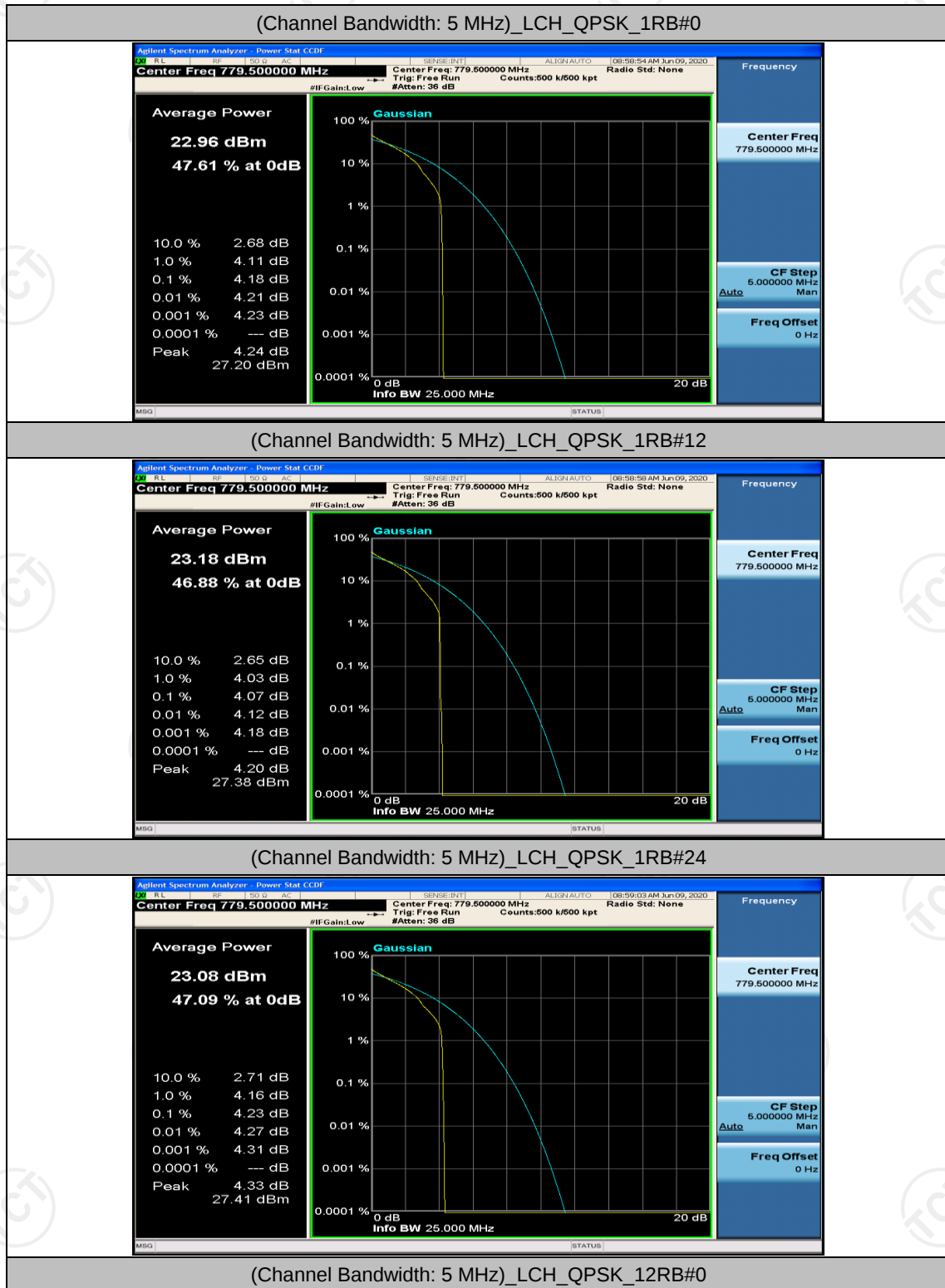
Channel Bandwidth: 10 MHz

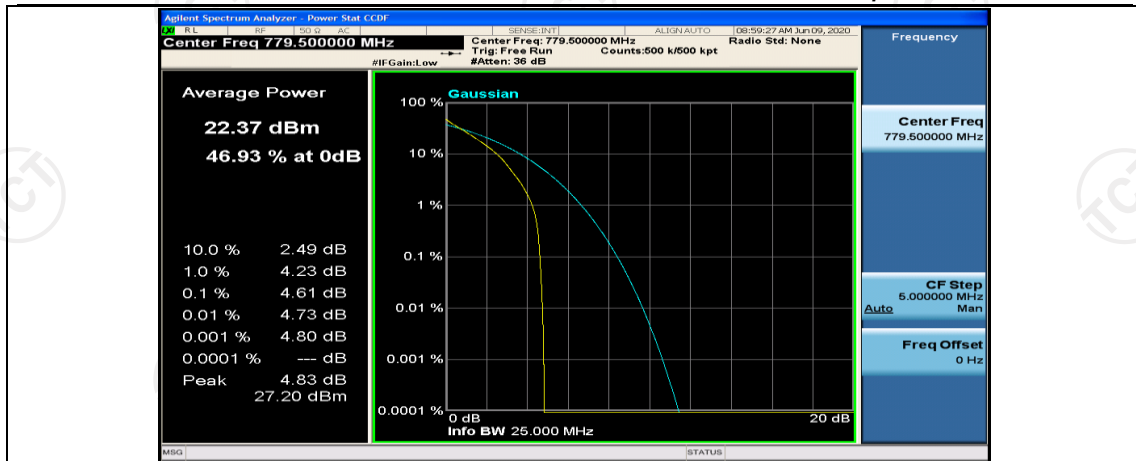
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.98	<13	PASS
		1	24	3.87	<13	PASS
		1	49	3.97	<13	PASS
		25	0	4.57	<13	PASS
		25	12	4.59	<13	PASS
		25	25	4.58	<13	PASS
		50	0	4.81	<13	PASS
	MCH	1	0	3.97	<13	PASS
		1	24	3.78	<13	PASS
		1	49	3.97	<13	PASS
		25	0	4.56	<13	PASS
		25	12	4.57	<13	PASS
		25	25	4.56	<13	PASS
		50	0	4.82	<13	PASS
	HCH	1	0	3.90	<13	PASS
		1	24	3.77	<13	PASS
		1	49	3.98	<13	PASS
		25	0	4.57	<13	PASS
		25	12	4.55	<13	PASS
		25	25	4.57	<13	PASS
		50	0	4.83	<13	PASS
16QAM	LCH	1	0	4.80	<13	PASS
		1	24	4.54	<13	PASS
		1	49	4.83	<13	PASS
		25	0	5.49	<13	PASS
		25	12	5.52	<13	PASS

		25	25	5.51	<13	PASS
		50	0	5.69	<13	PASS
	MCH	1	0	4.70	<13	PASS
		1	24	4.58	<13	PASS
		1	49	4.74	<13	PASS
		25	0	5.47	<13	PASS
		25	12	5.50	<13	PASS
		25	25	5.50	<13	PASS
		50	0	5.66	<13	PASS
	HCH	1	0	4.76	<13	PASS
		1	24	4.70	<13	PASS
		1	49	4.97	<13	PASS
		25	0	5.49	<13	PASS
		25	12	5.48	<13	PASS
		25	25	5.56	<13	PASS
		50	0	5.66	<13	PASS

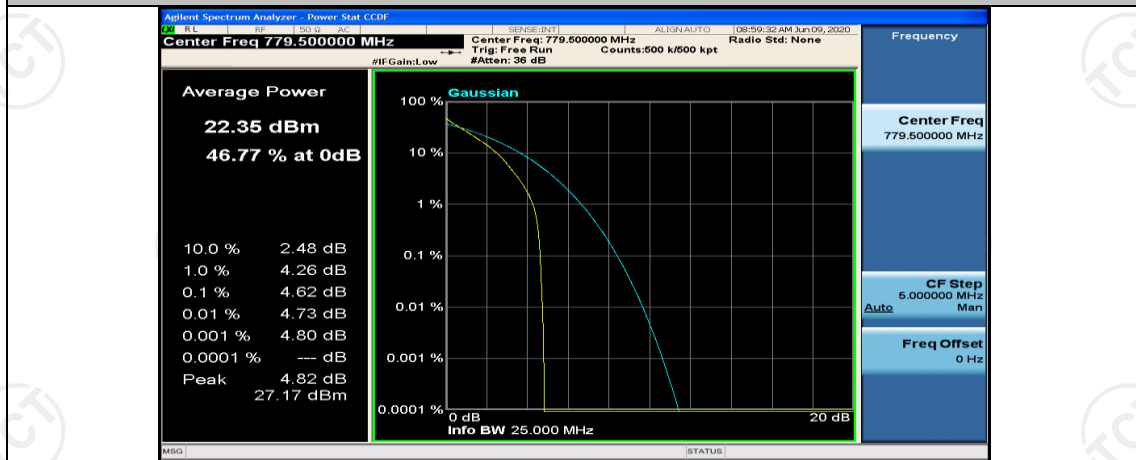
Test Graphs

Channel Bandwidth: 5 MHz

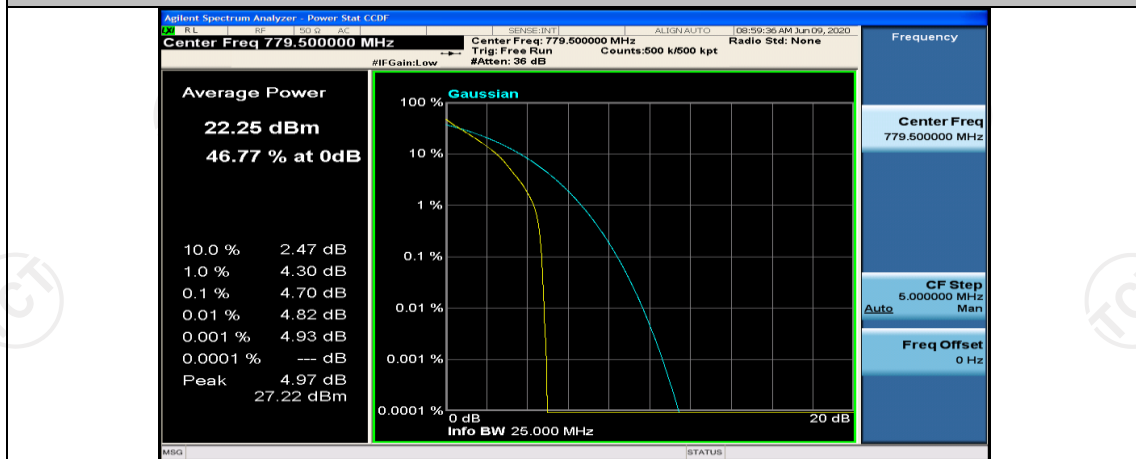




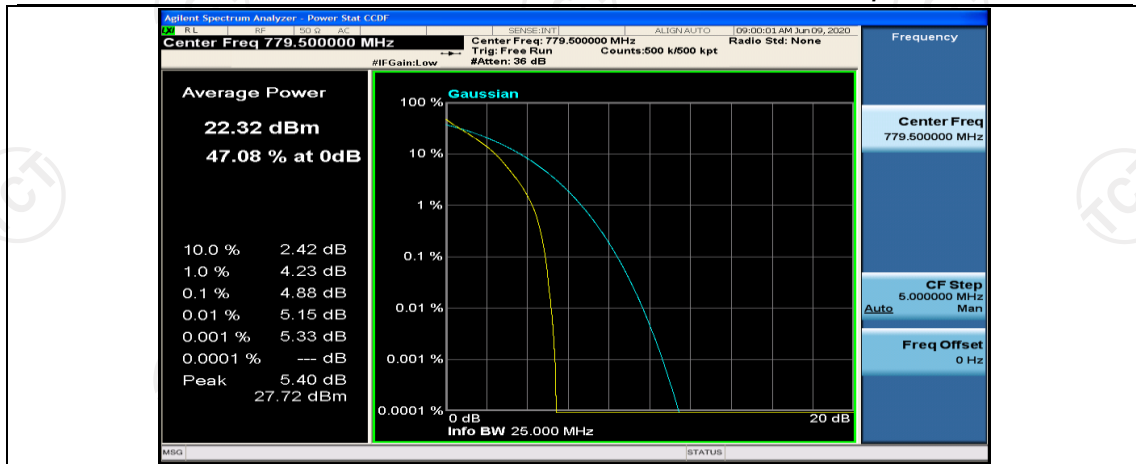
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



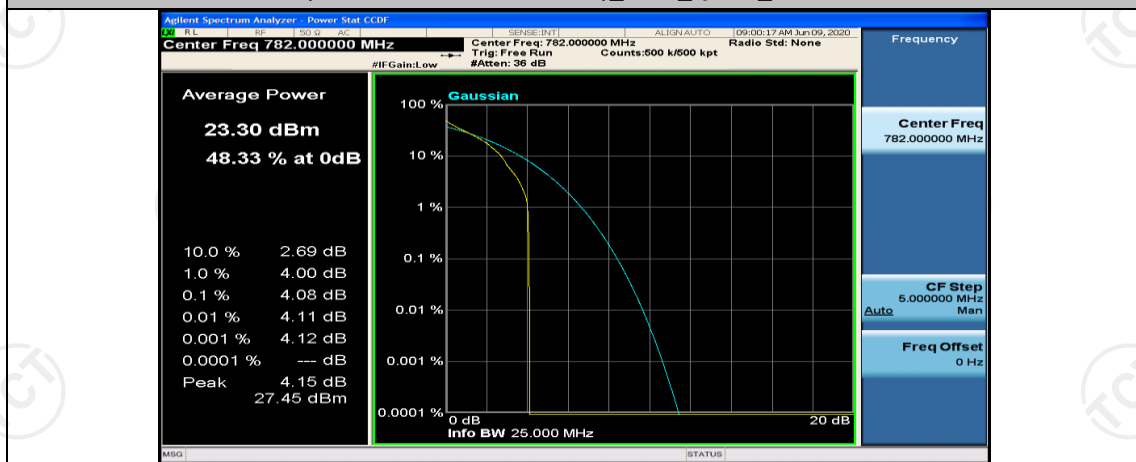
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



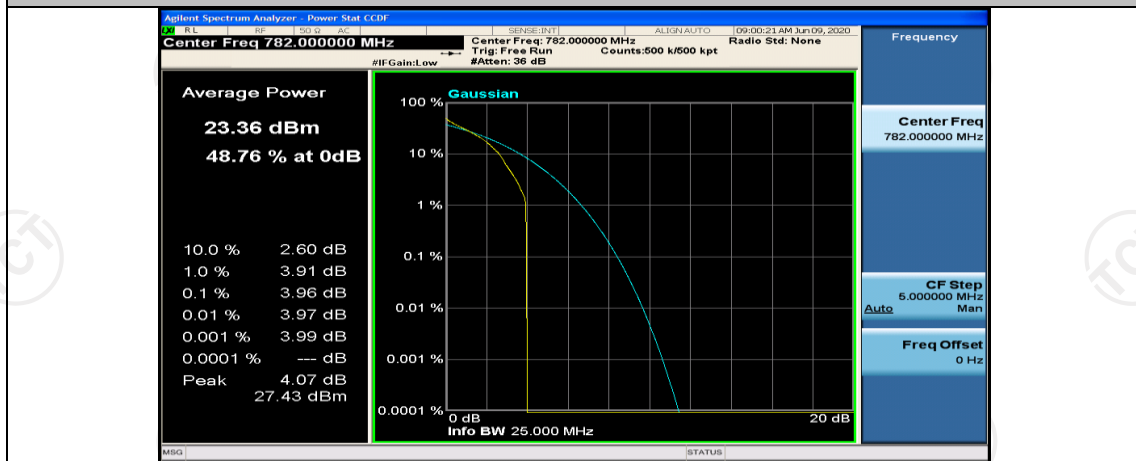
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



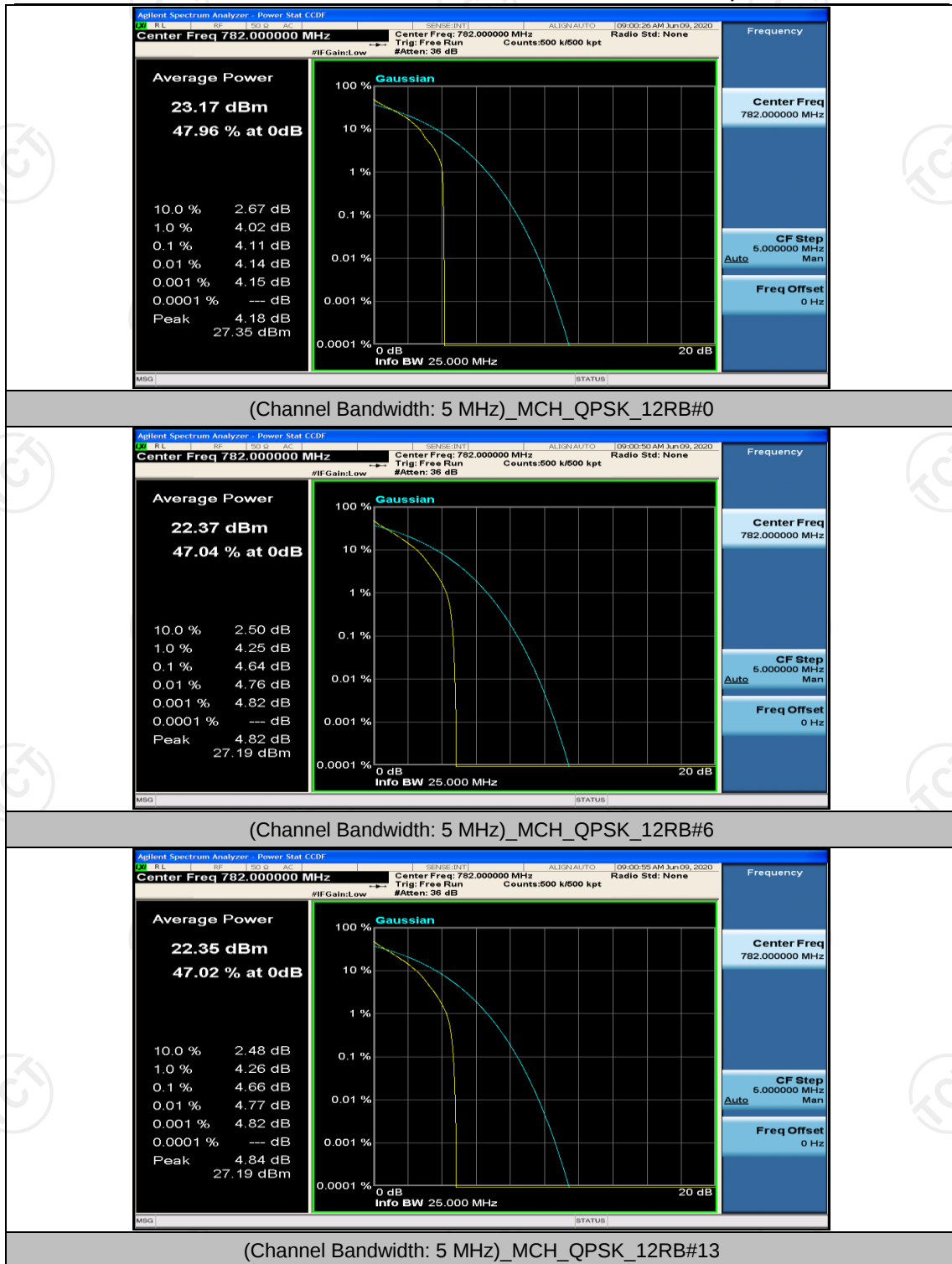
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

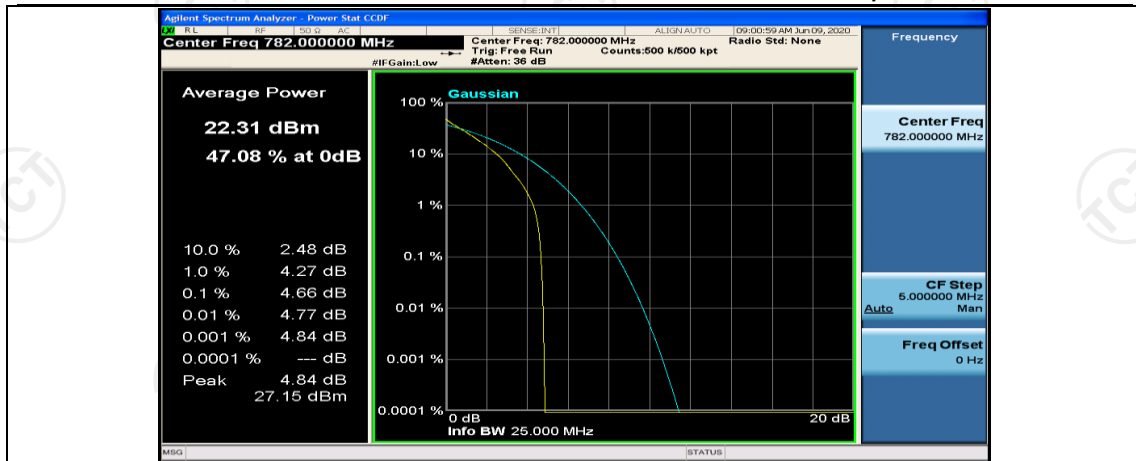


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

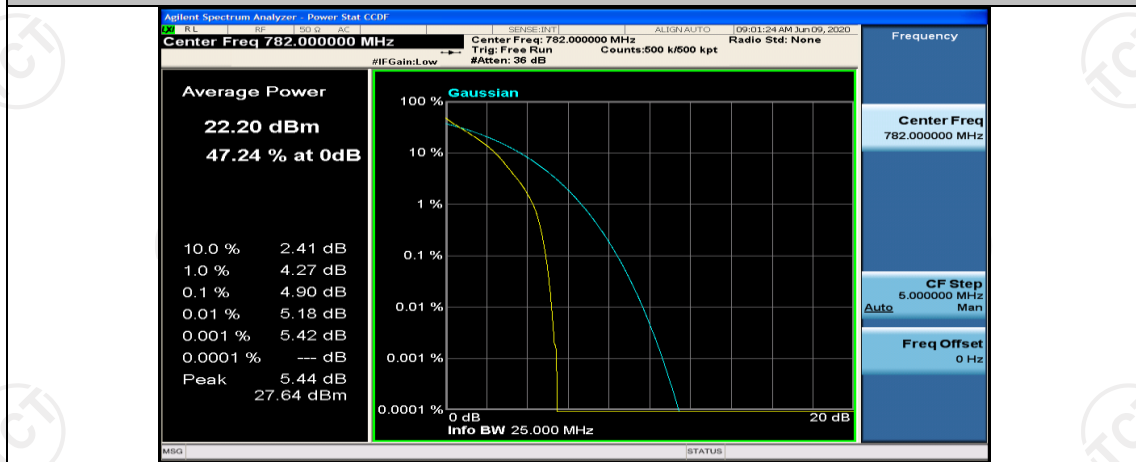


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

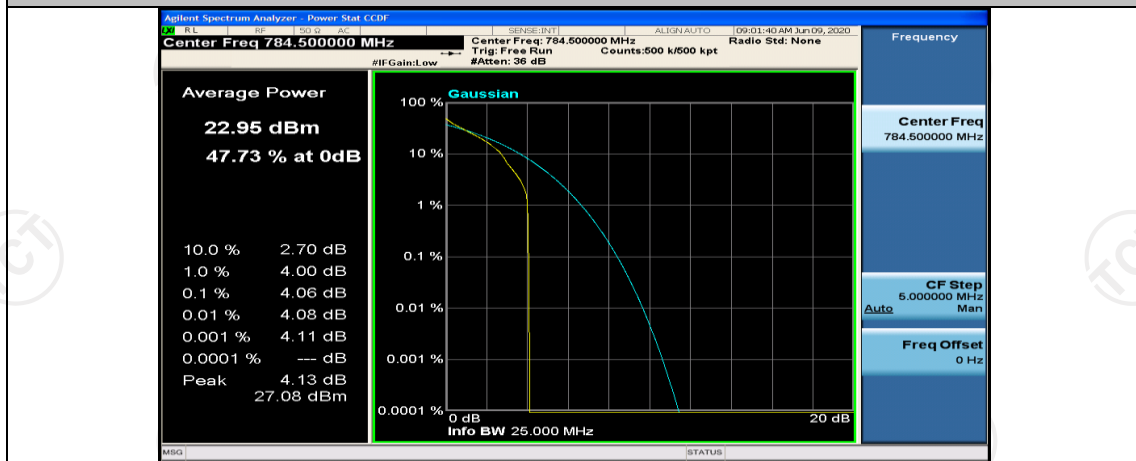




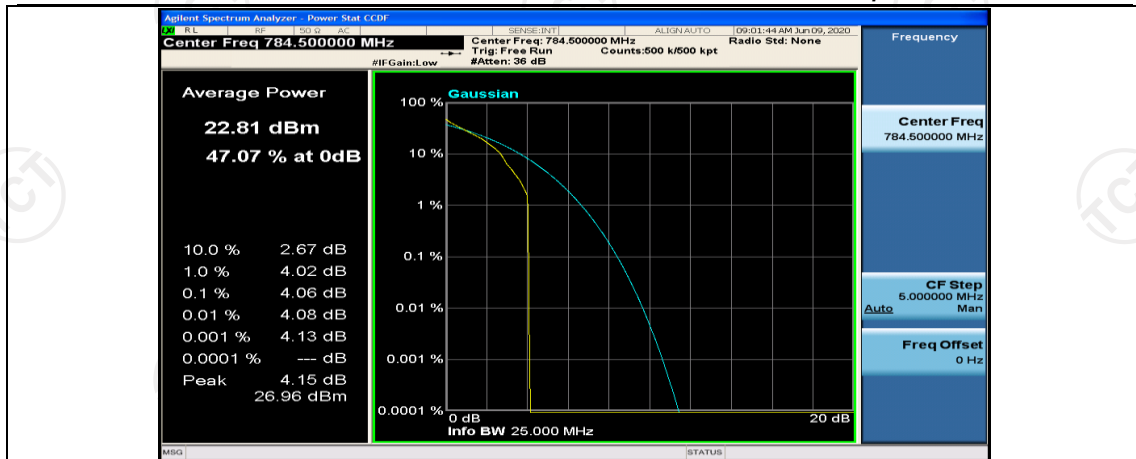
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



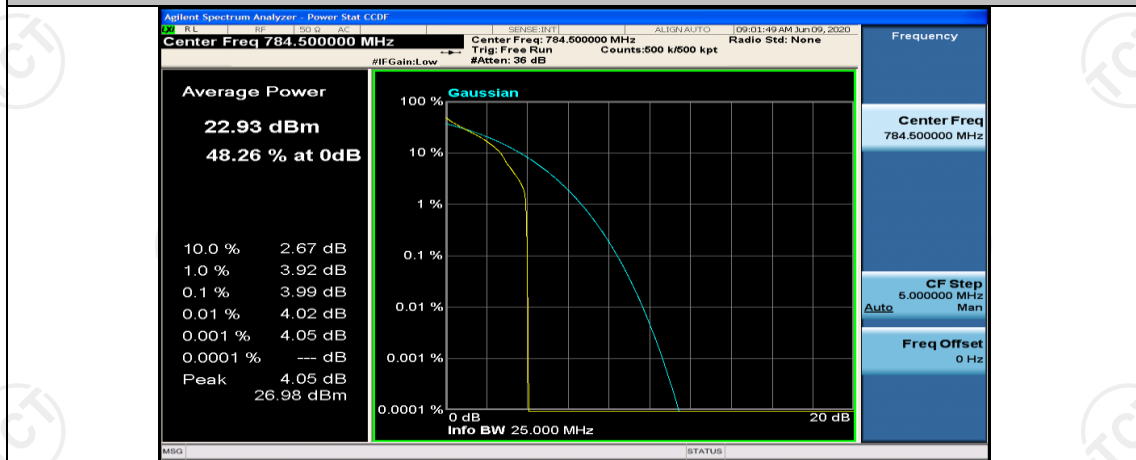
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



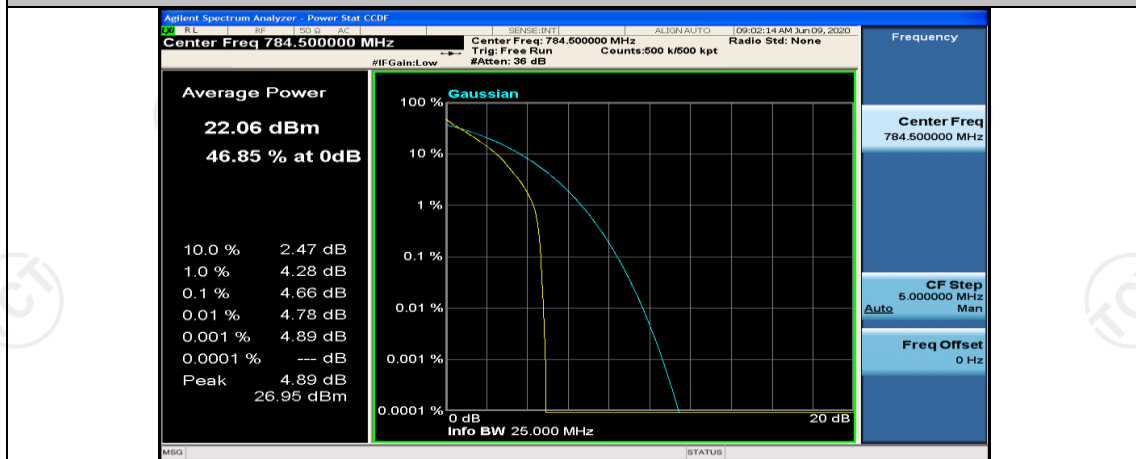
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



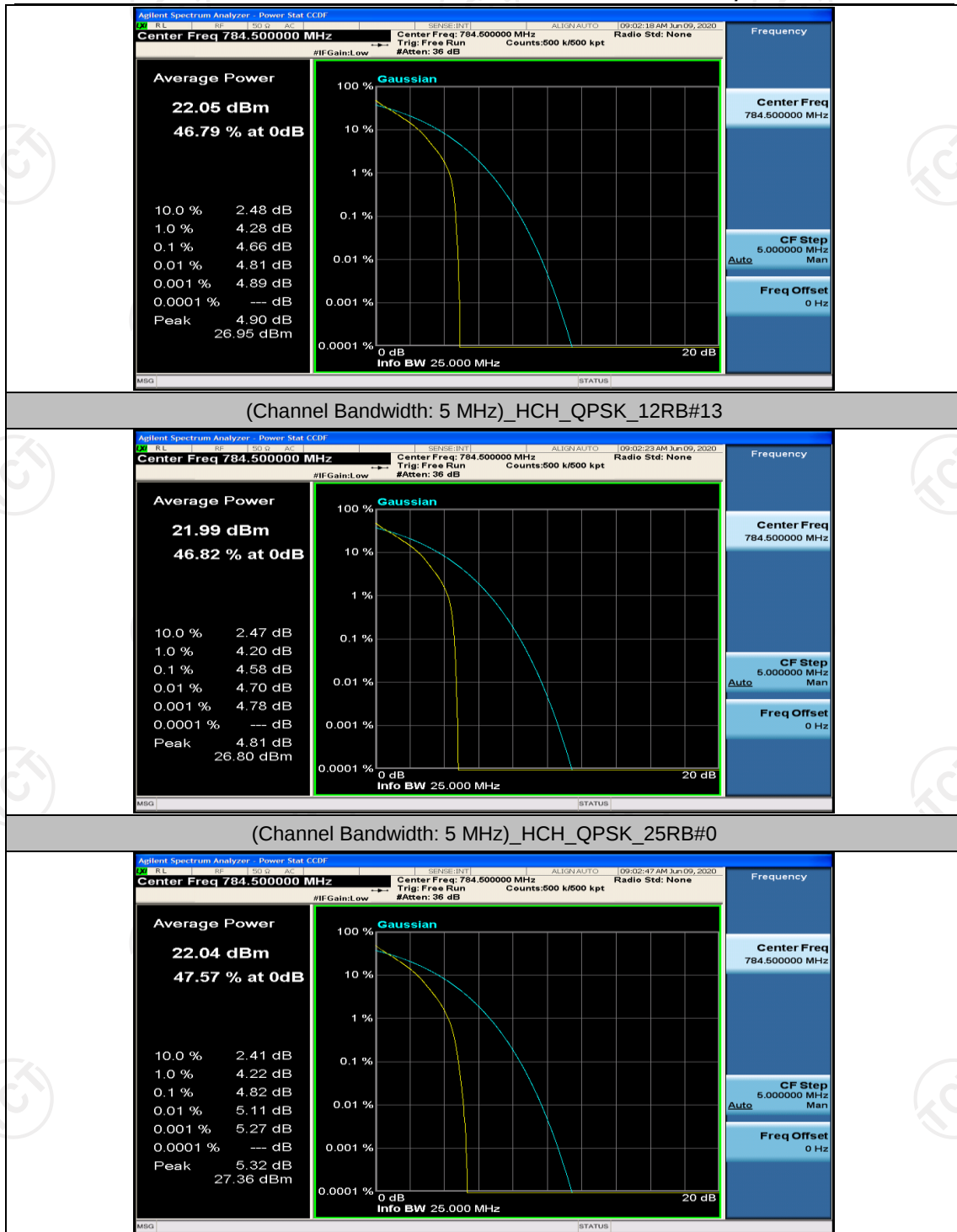
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



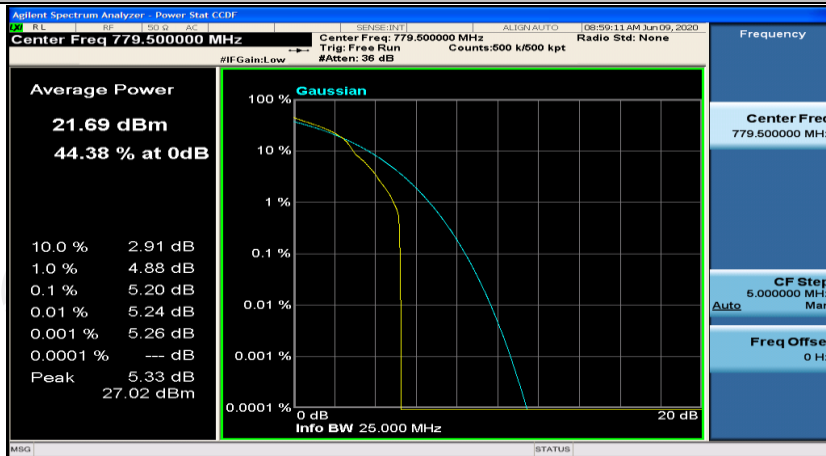
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



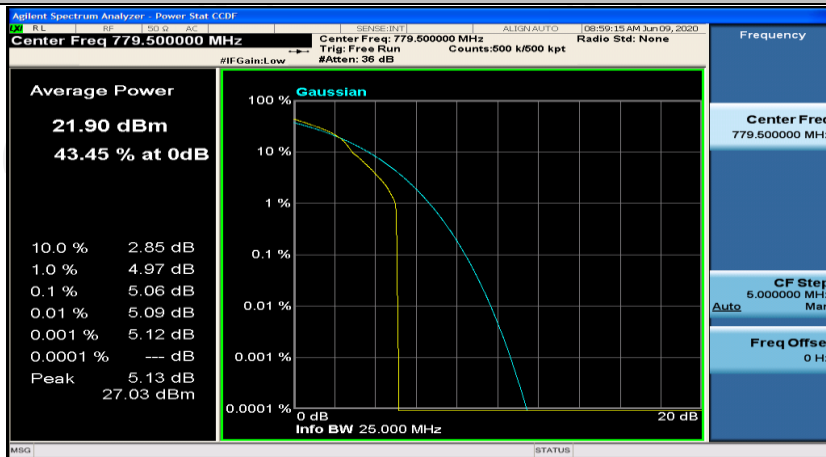
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



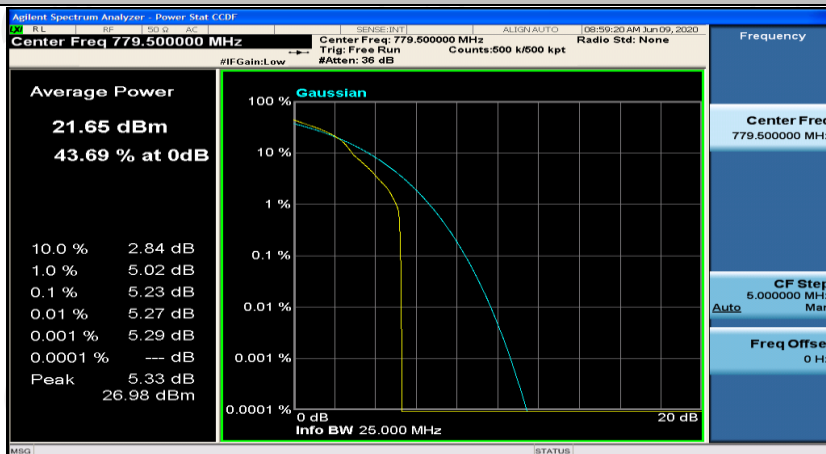
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



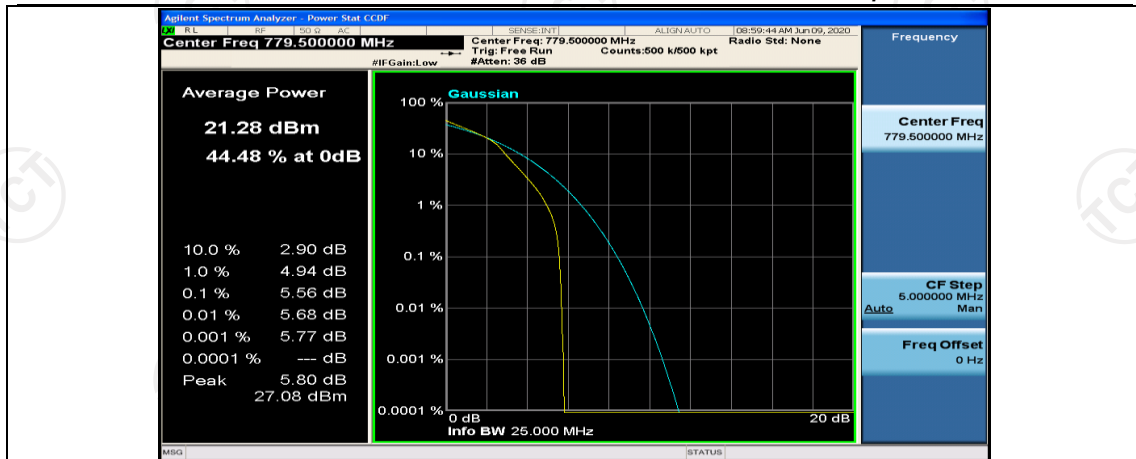
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



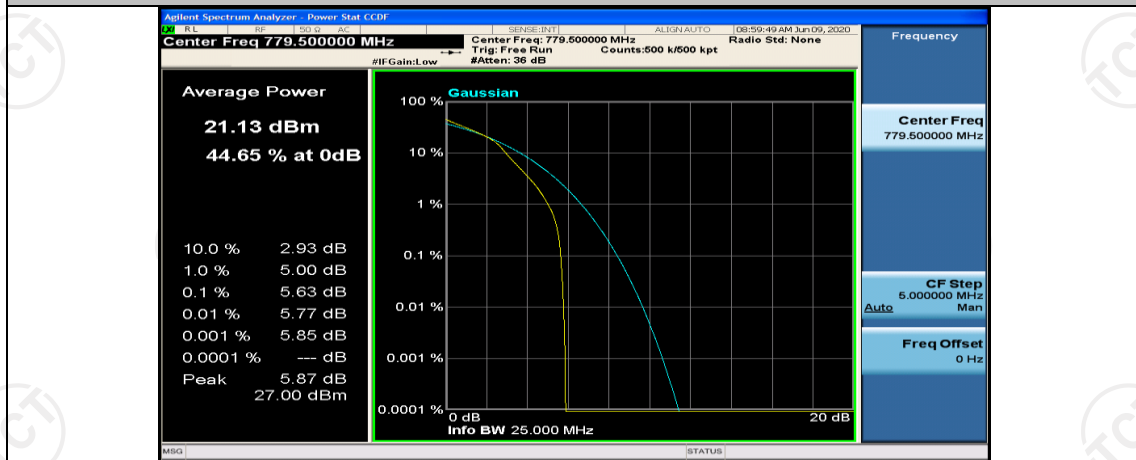
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



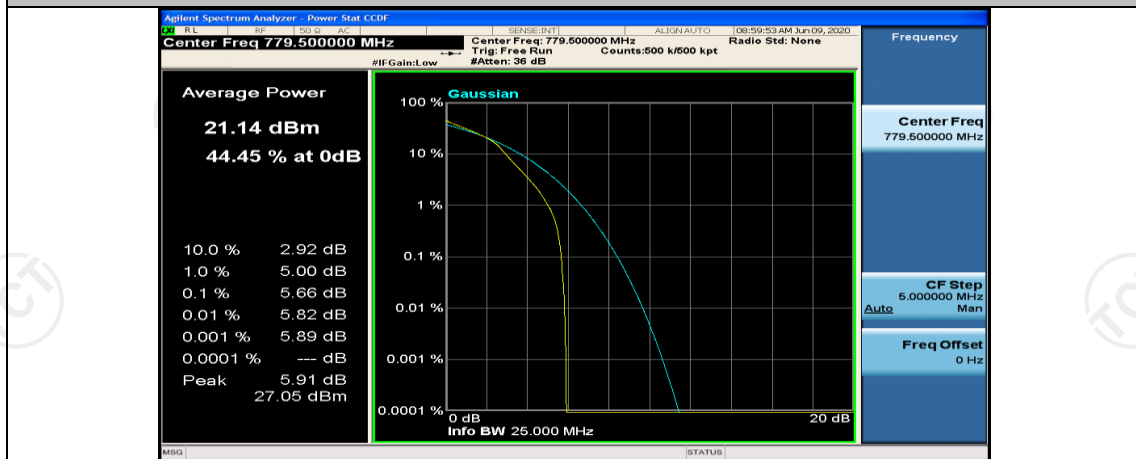
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



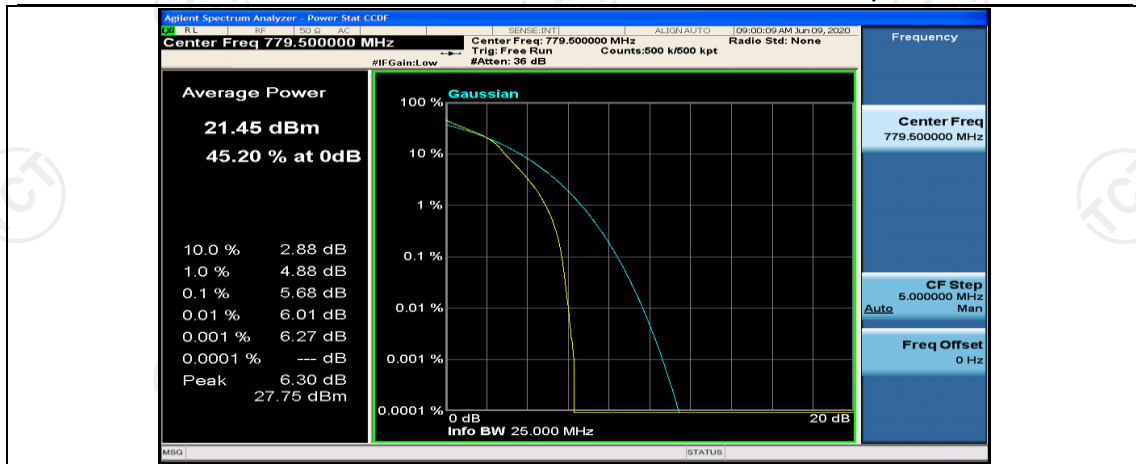
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



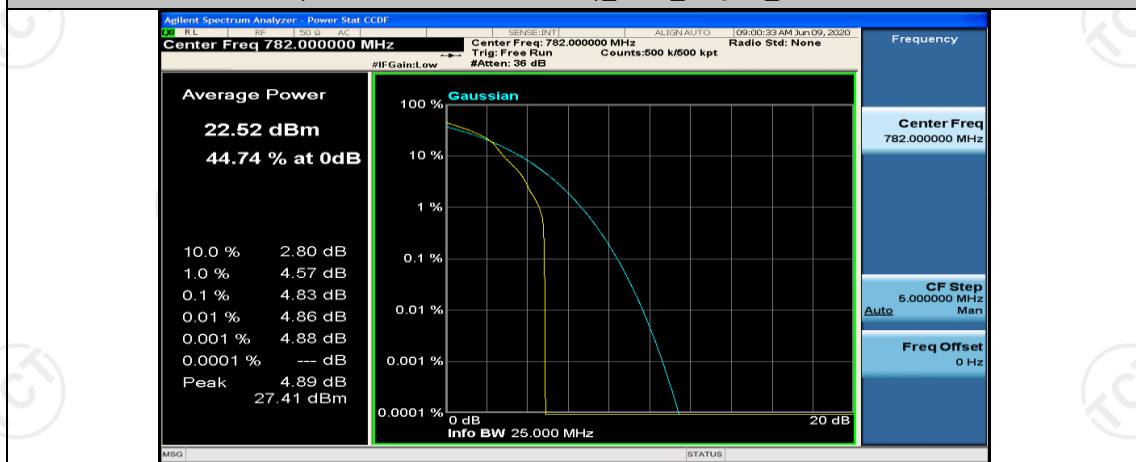
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



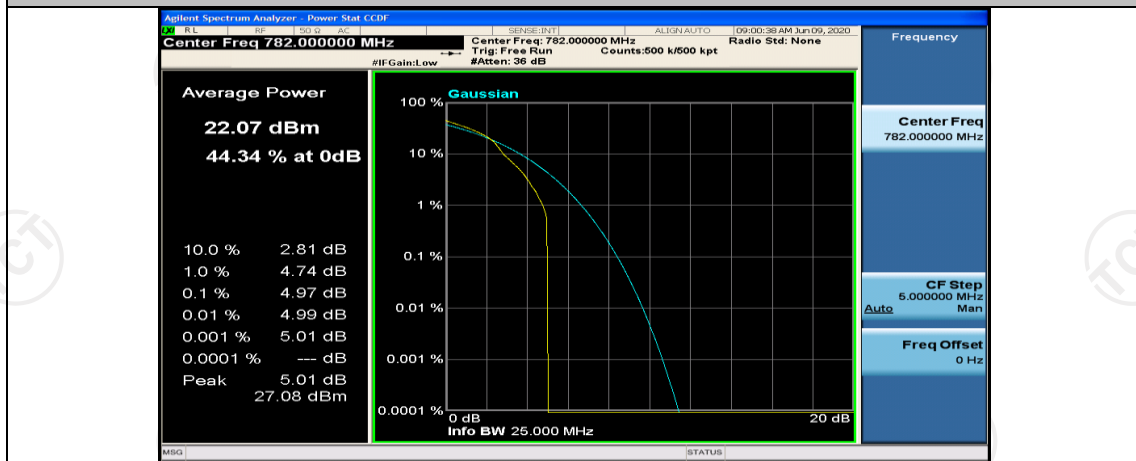
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



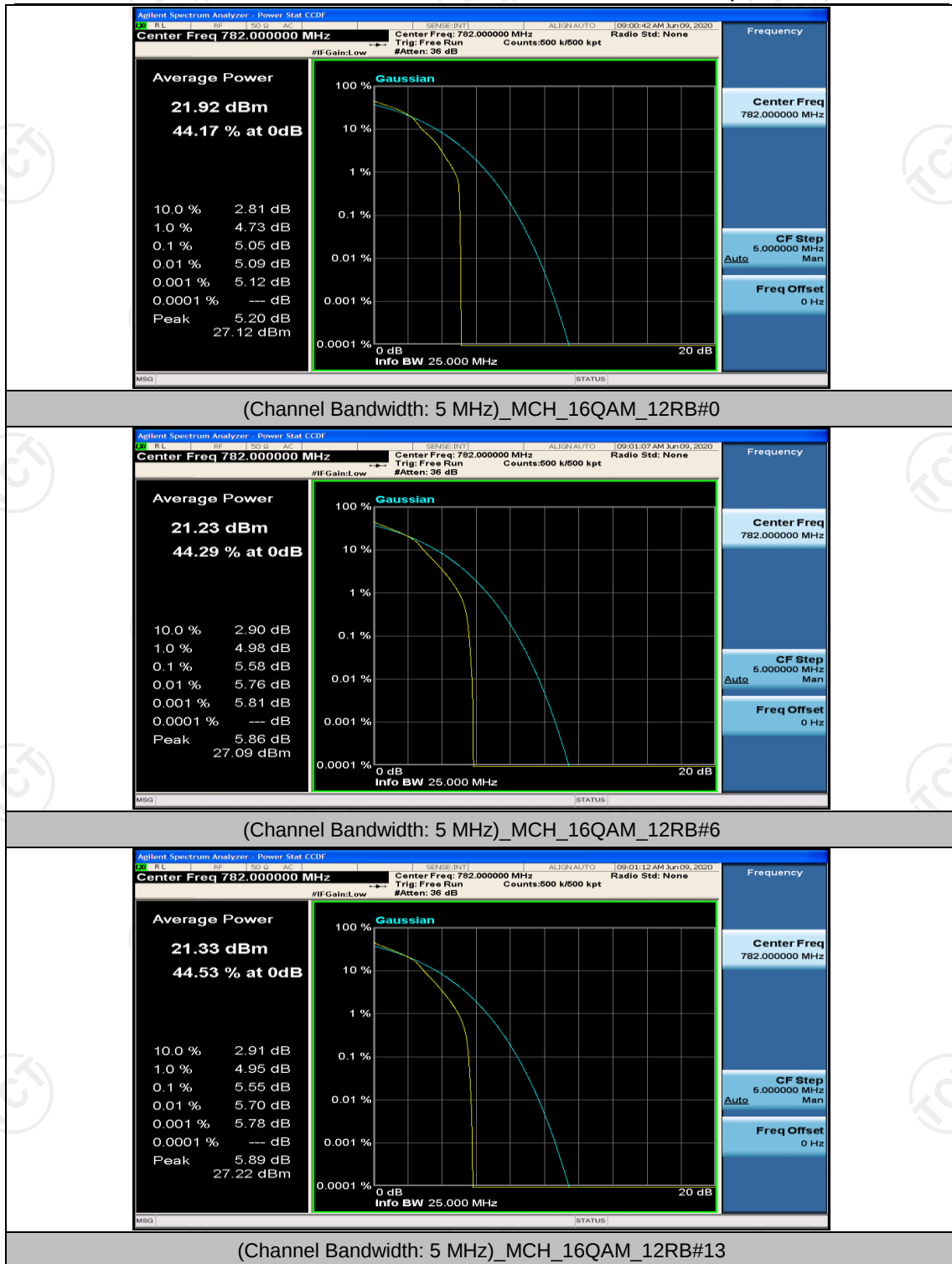
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

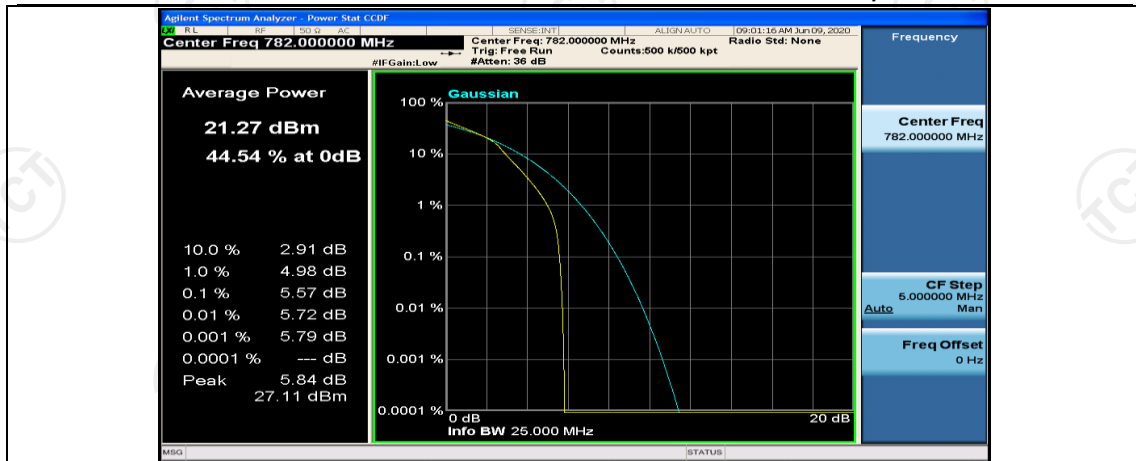


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

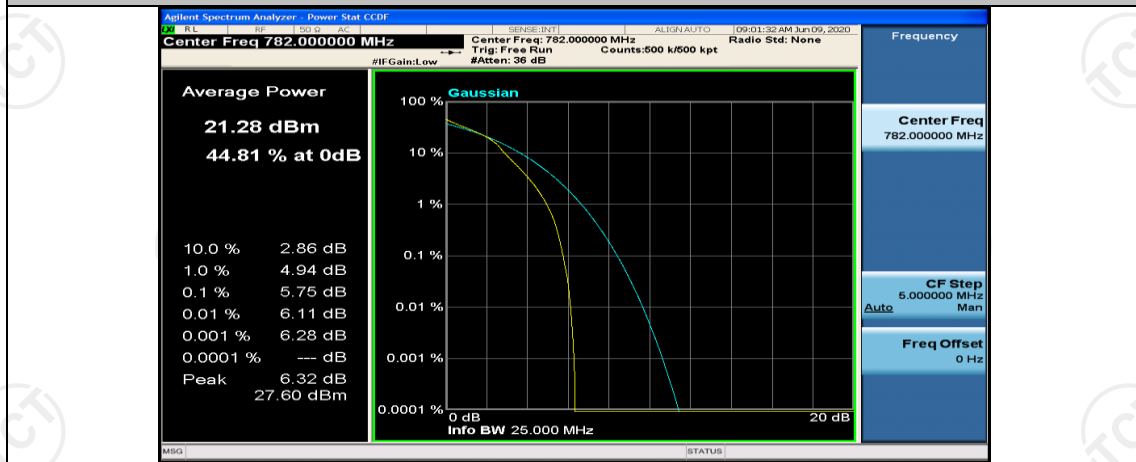


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

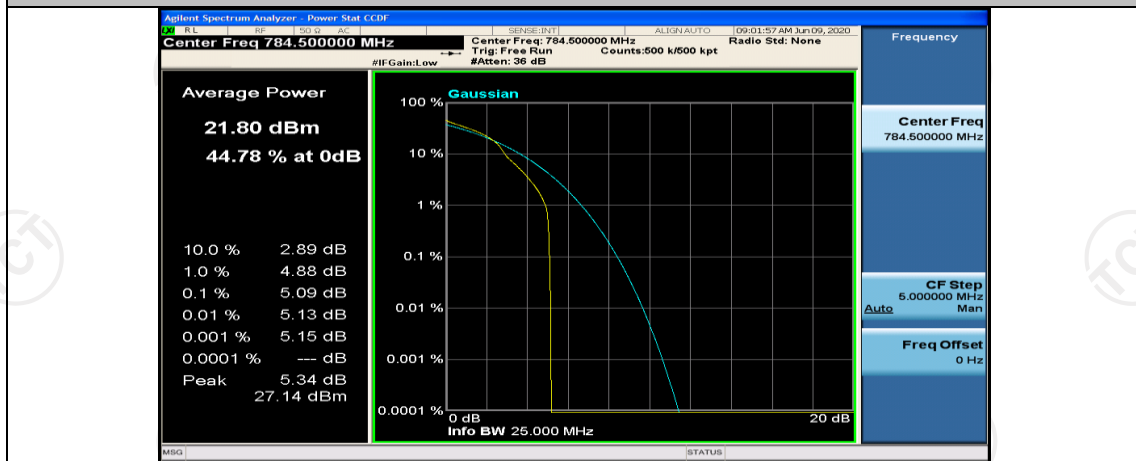




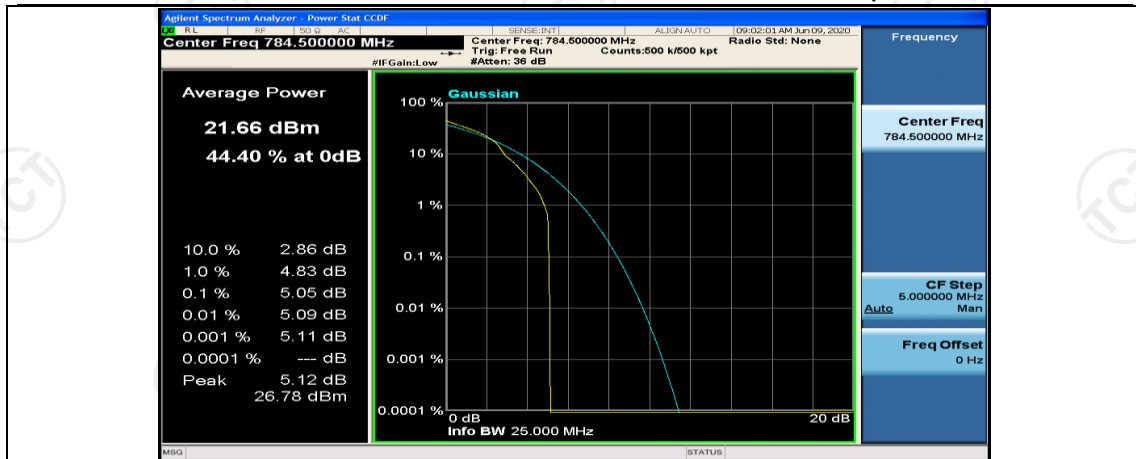
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



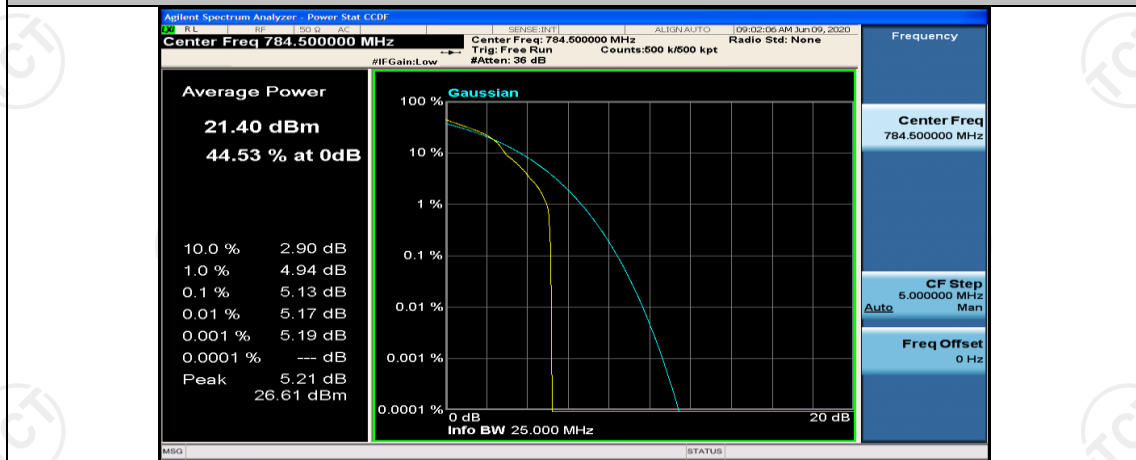
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



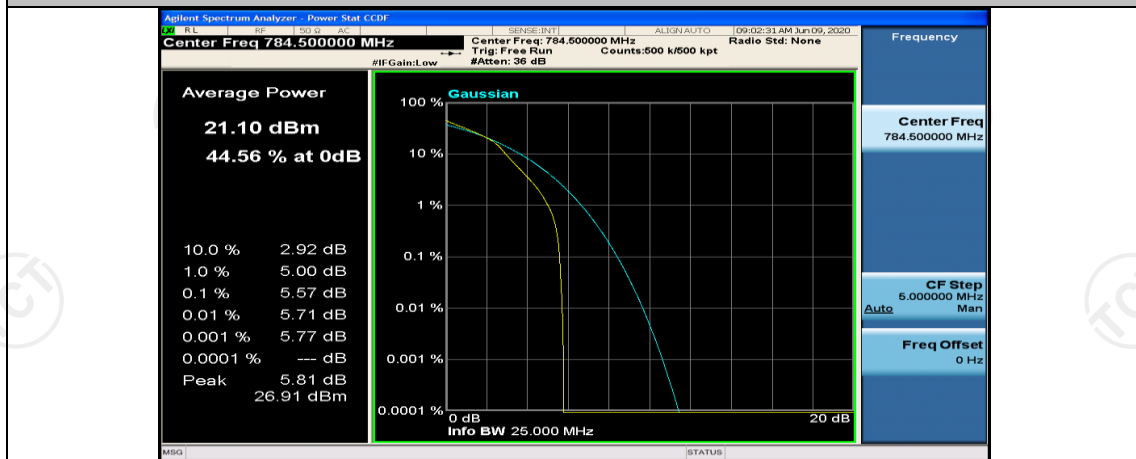
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



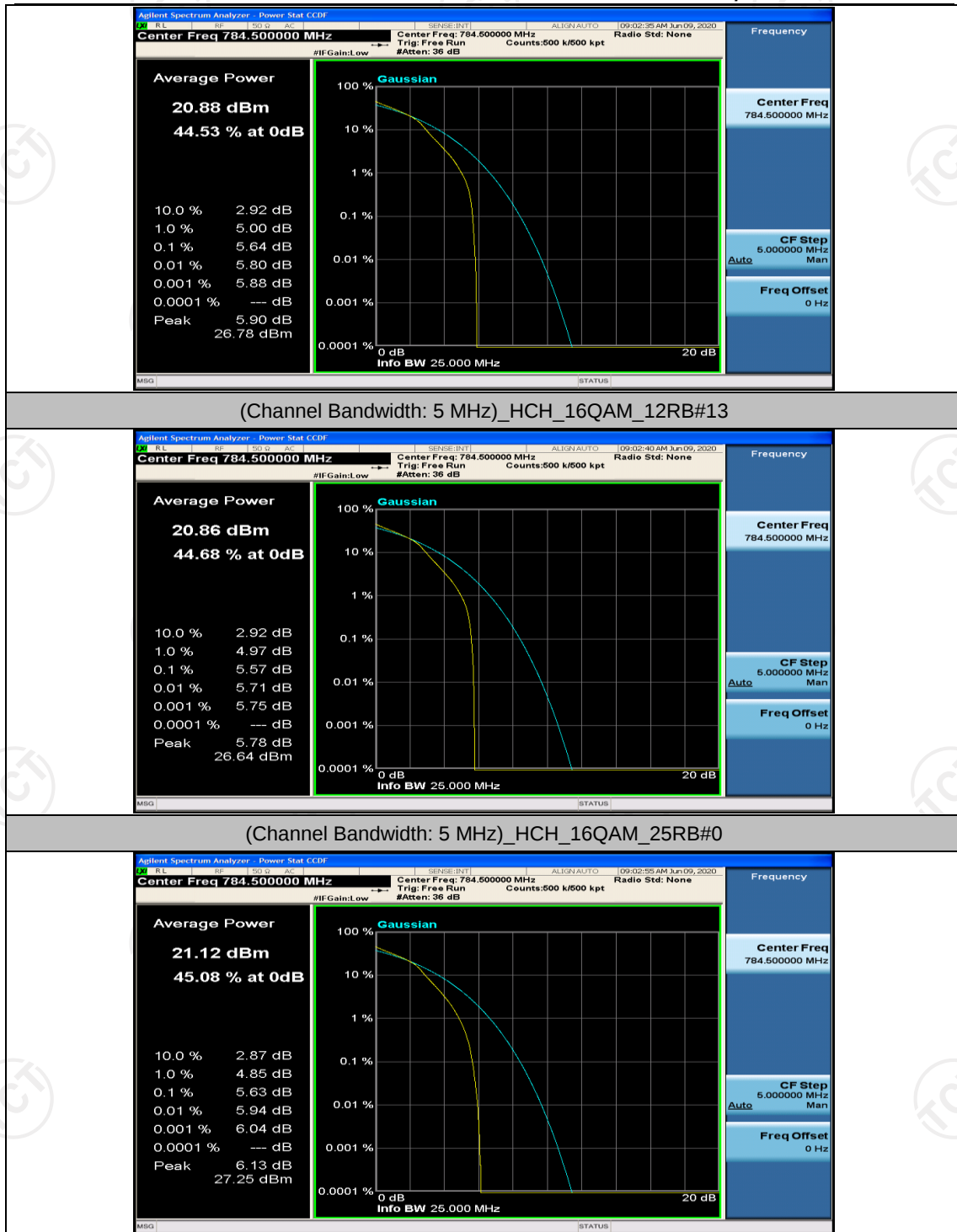
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



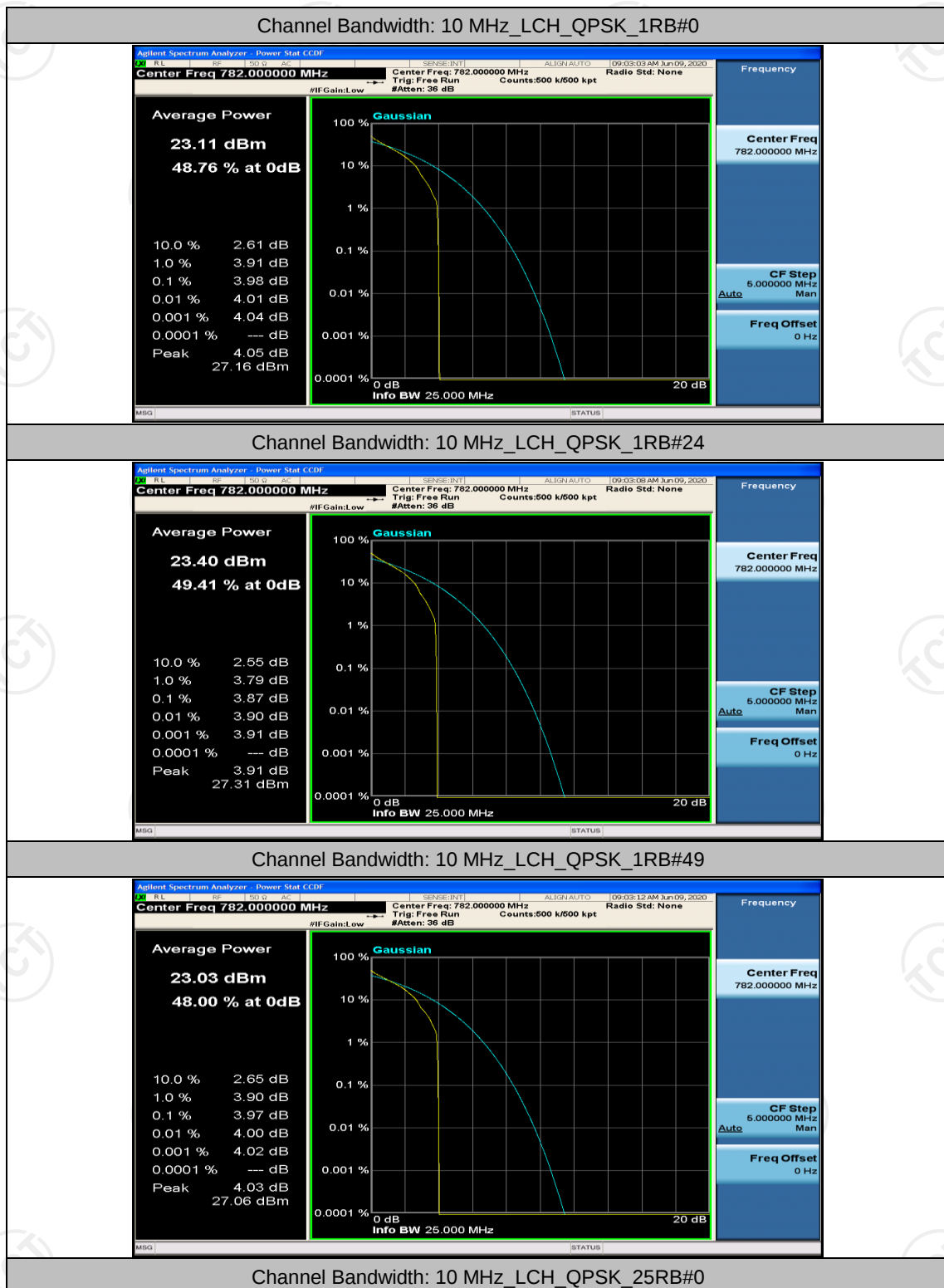
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

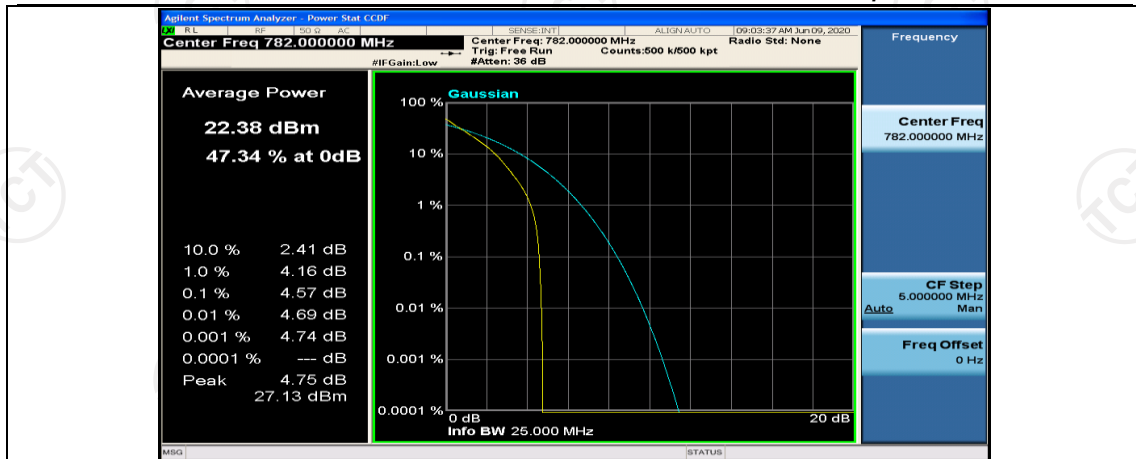


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

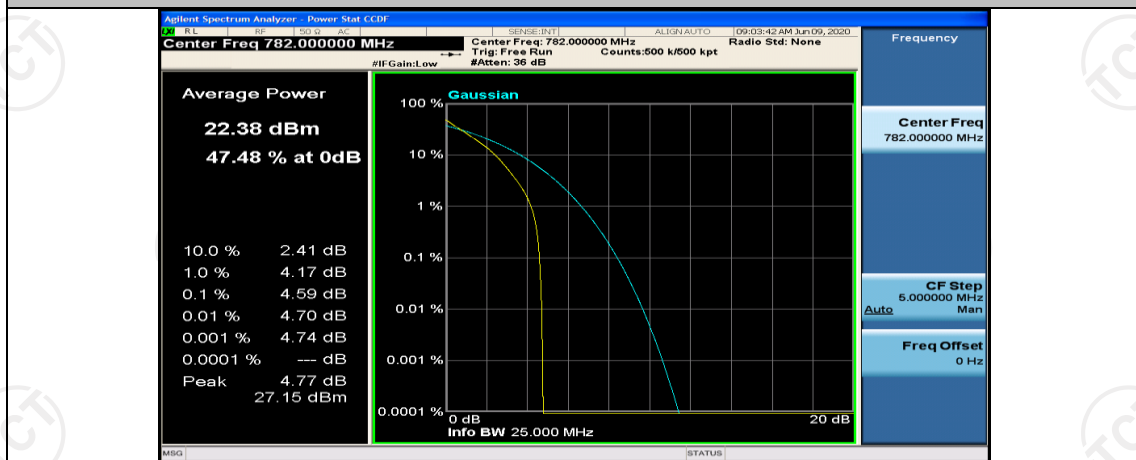


Channel Bandwidth: 10 MHz

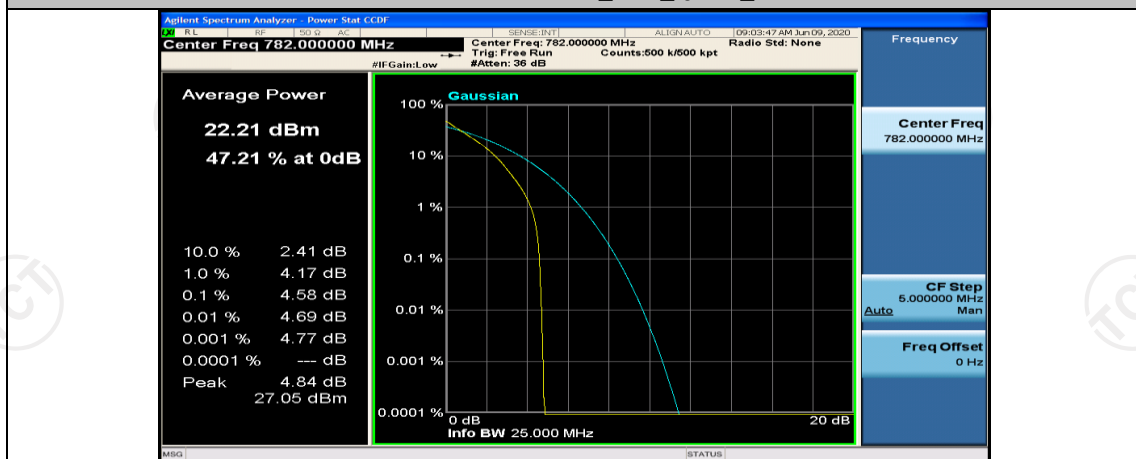




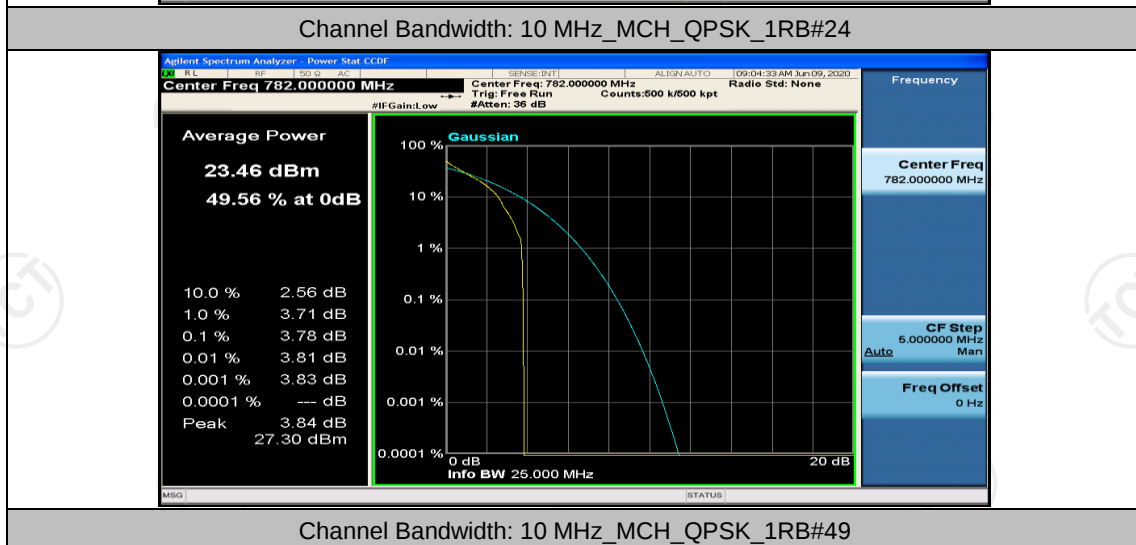
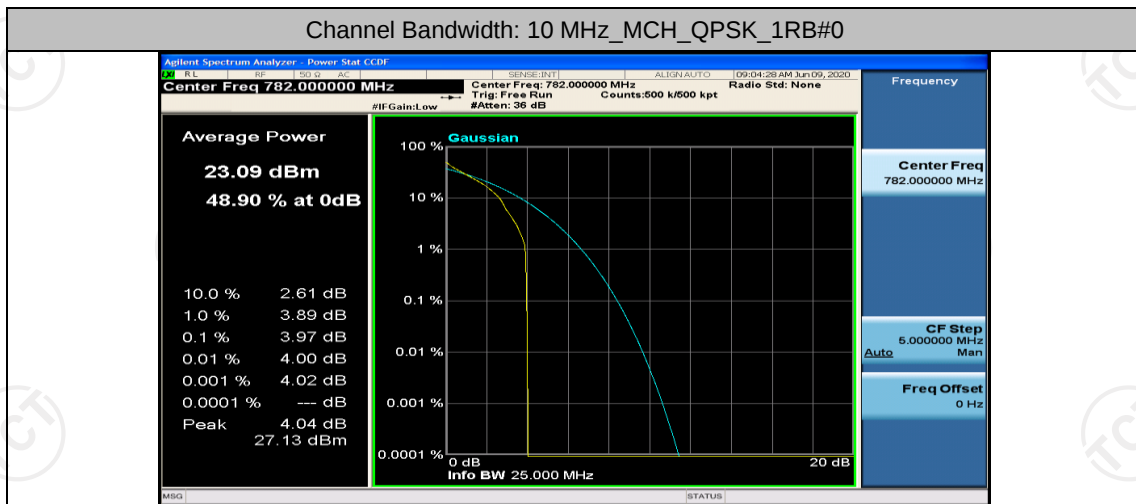
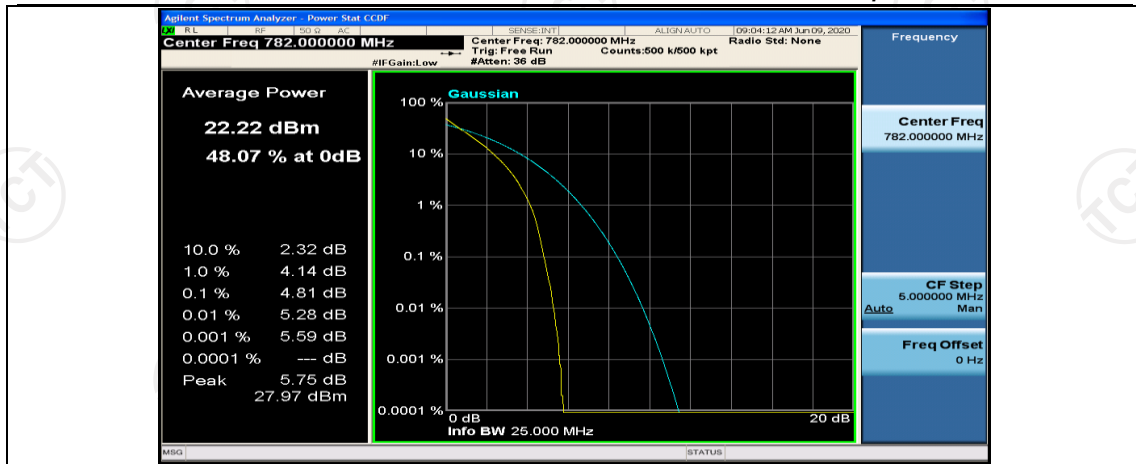
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

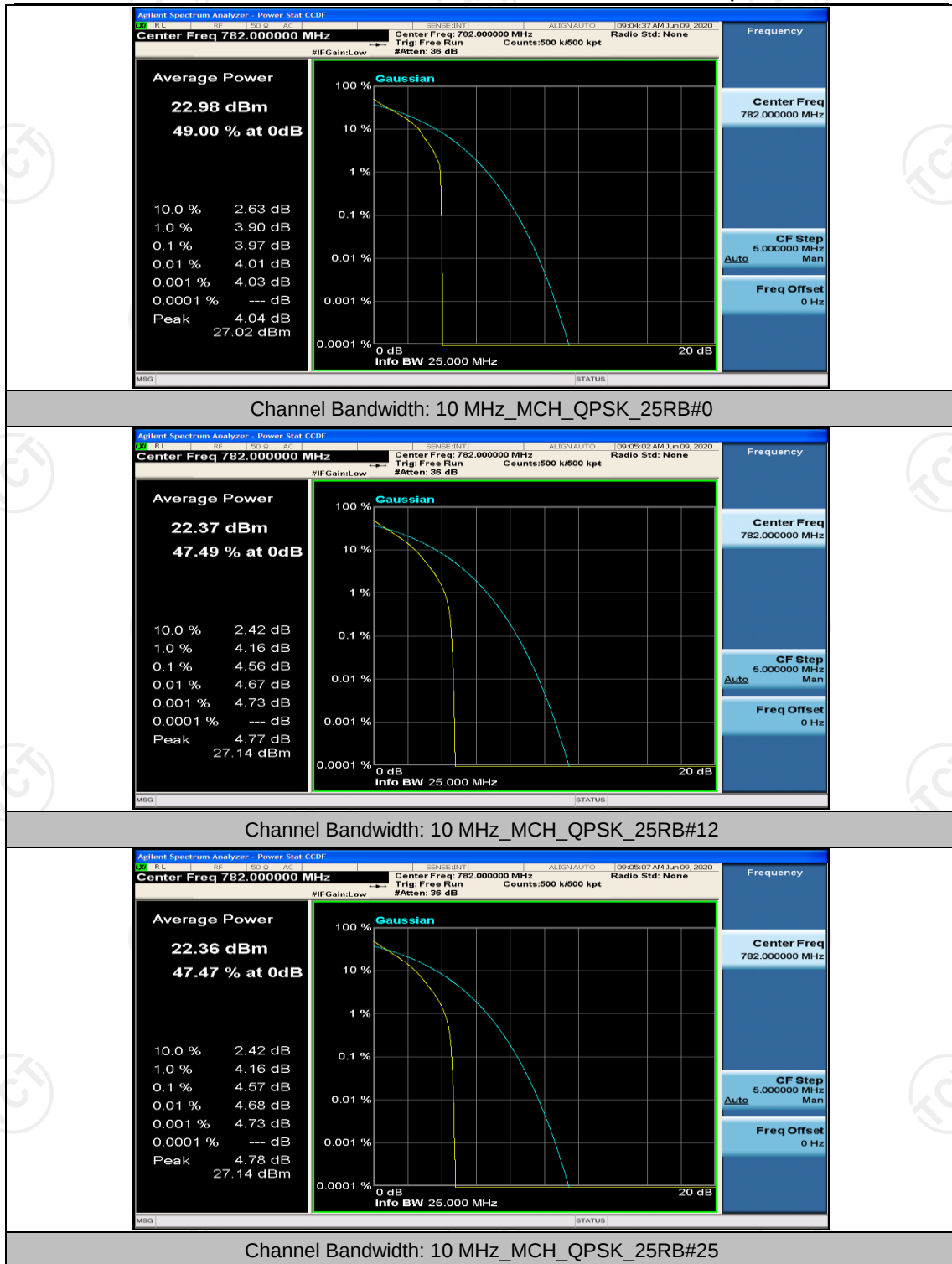


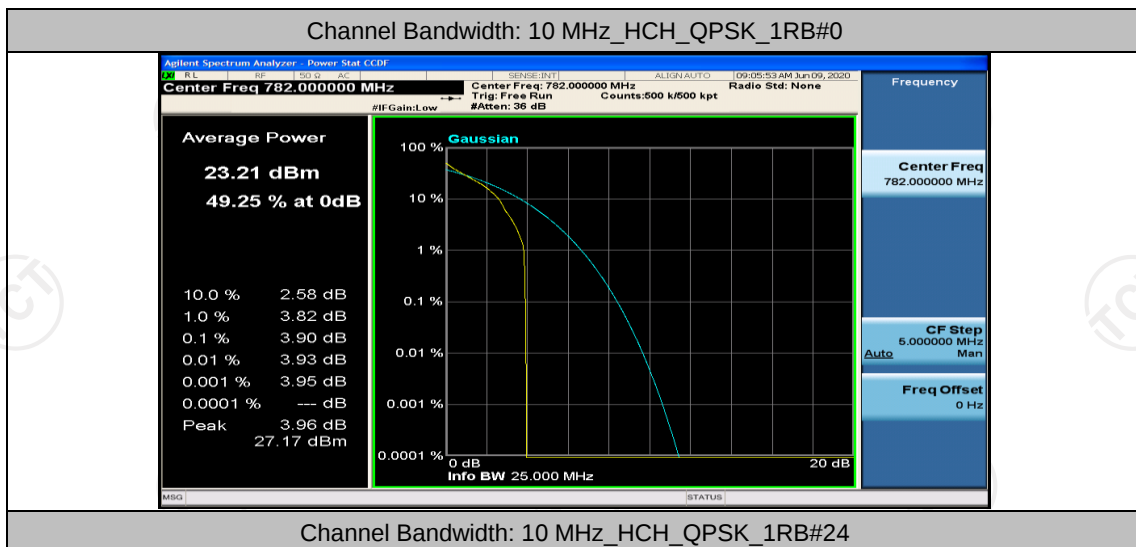
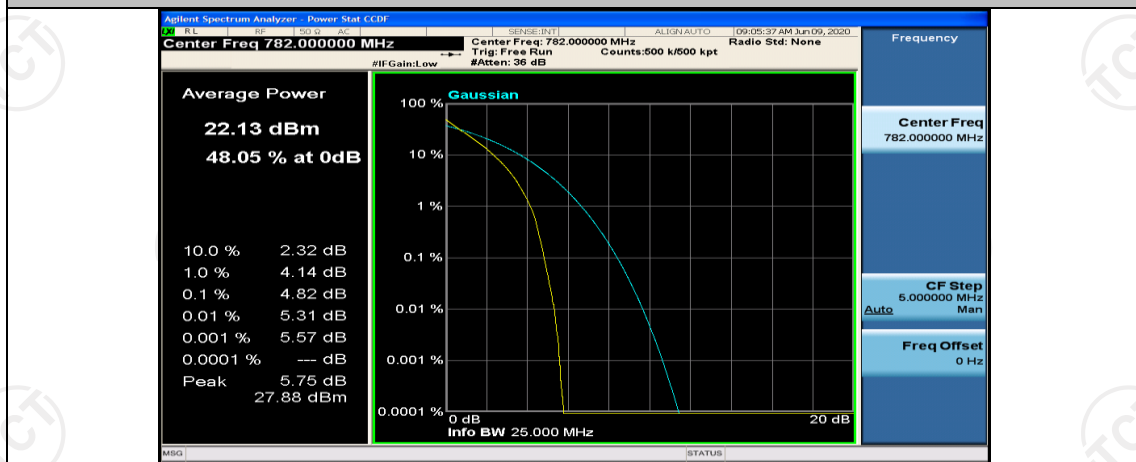
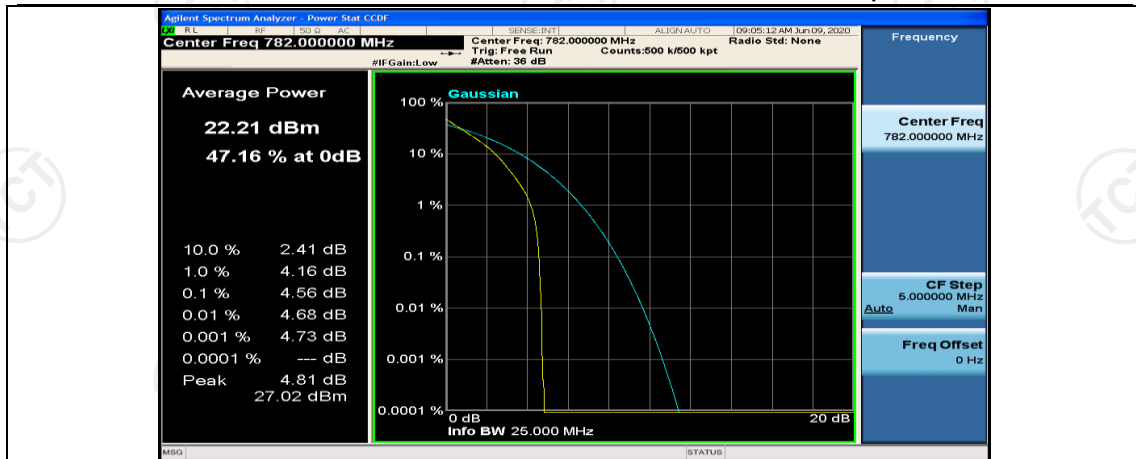
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

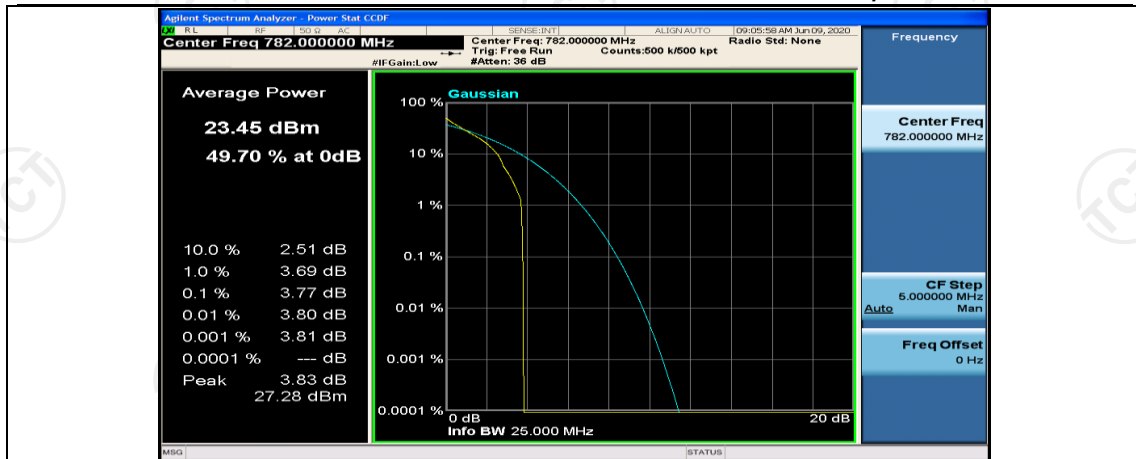


Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

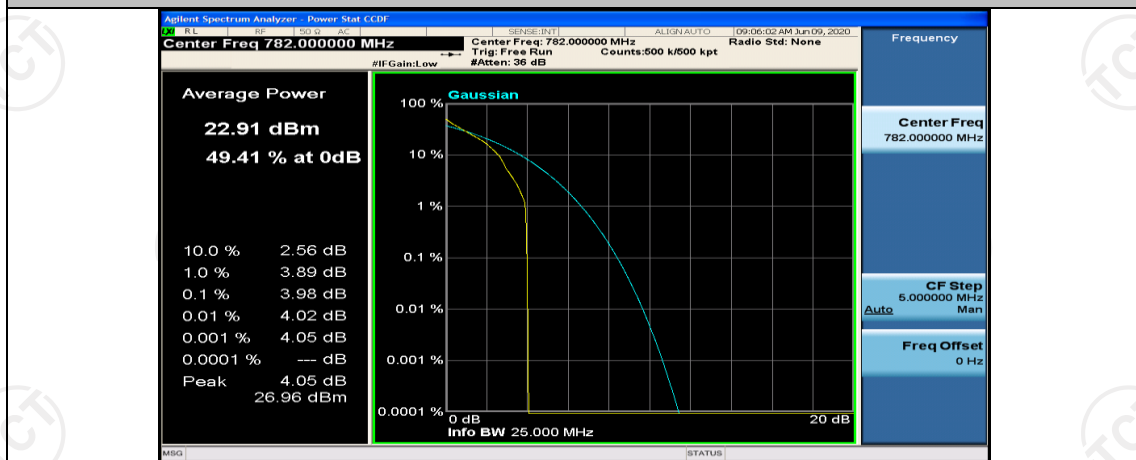




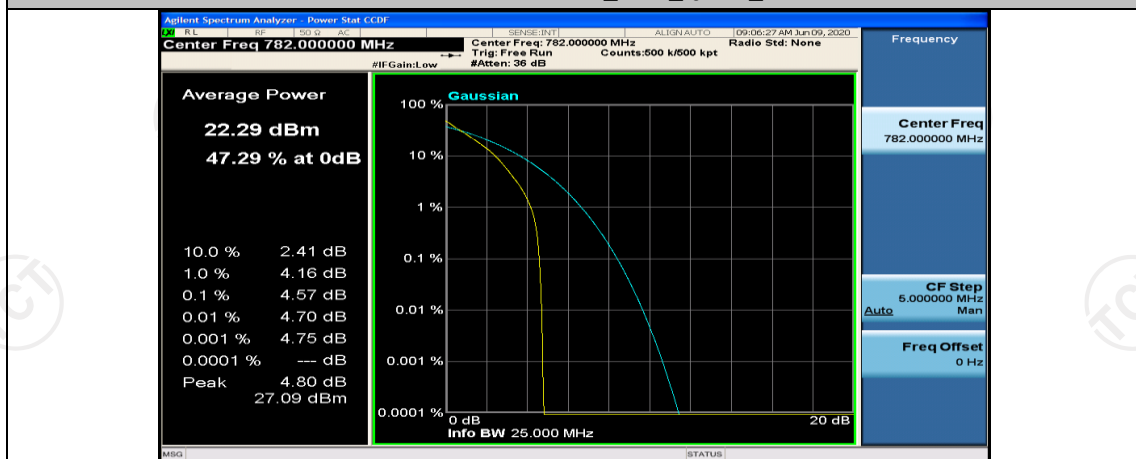




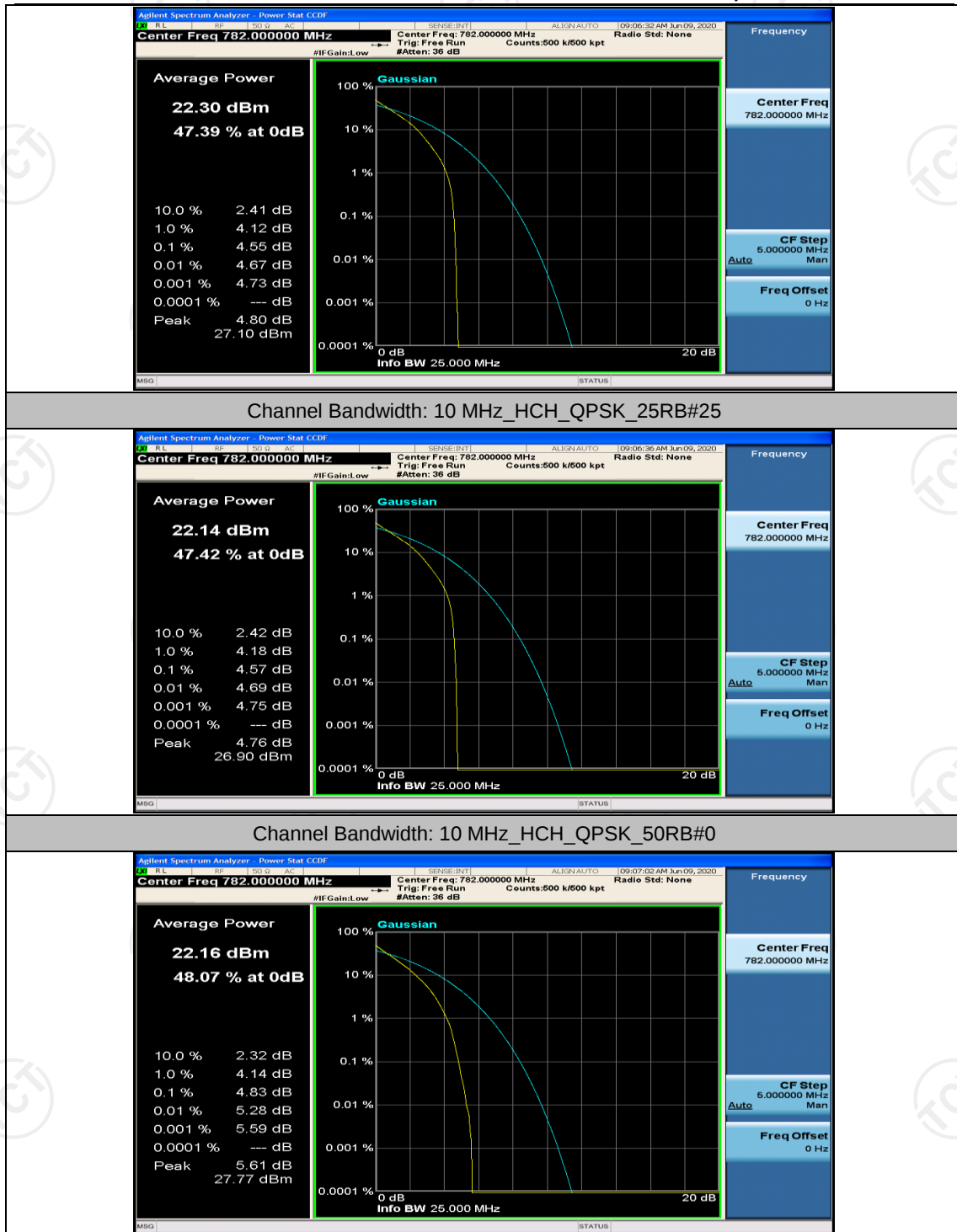
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



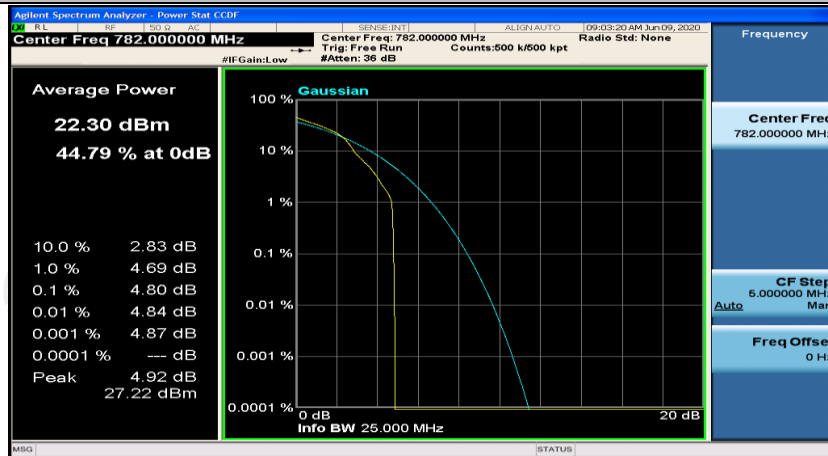
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



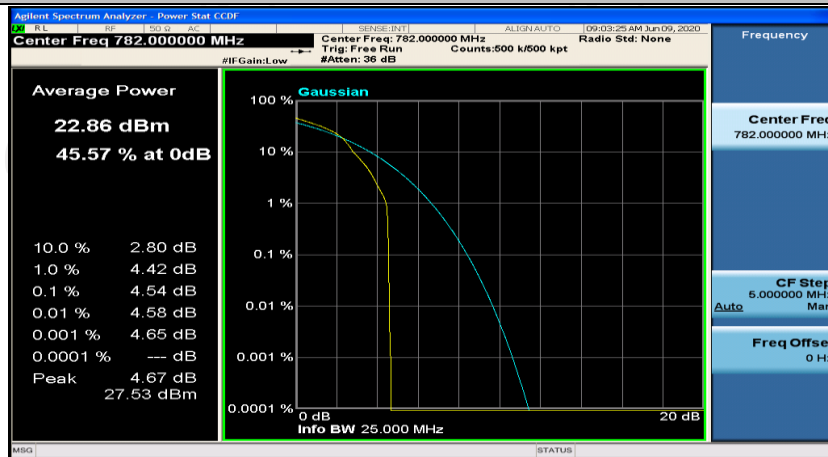
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



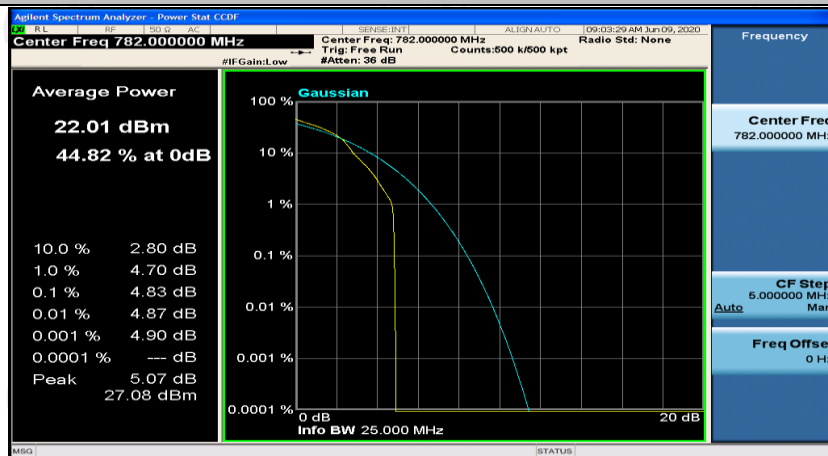
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



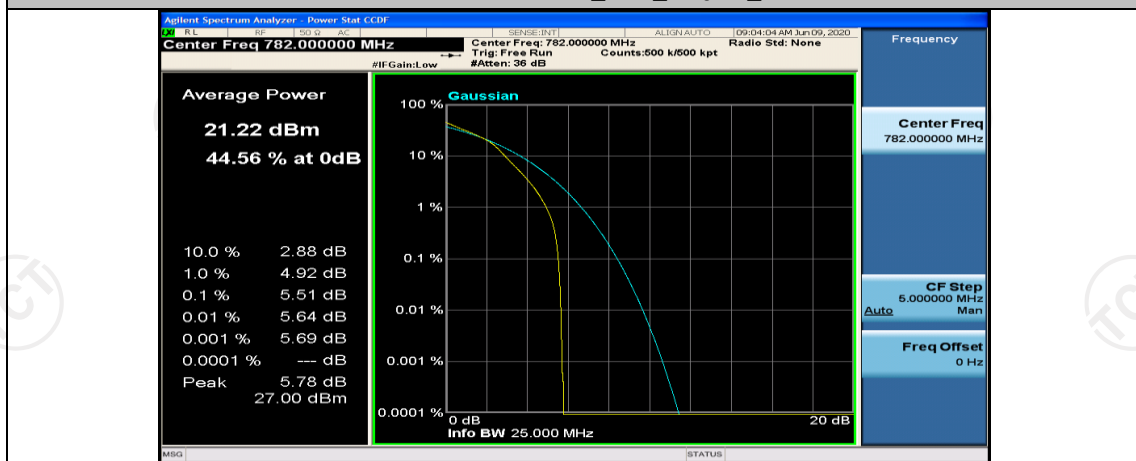
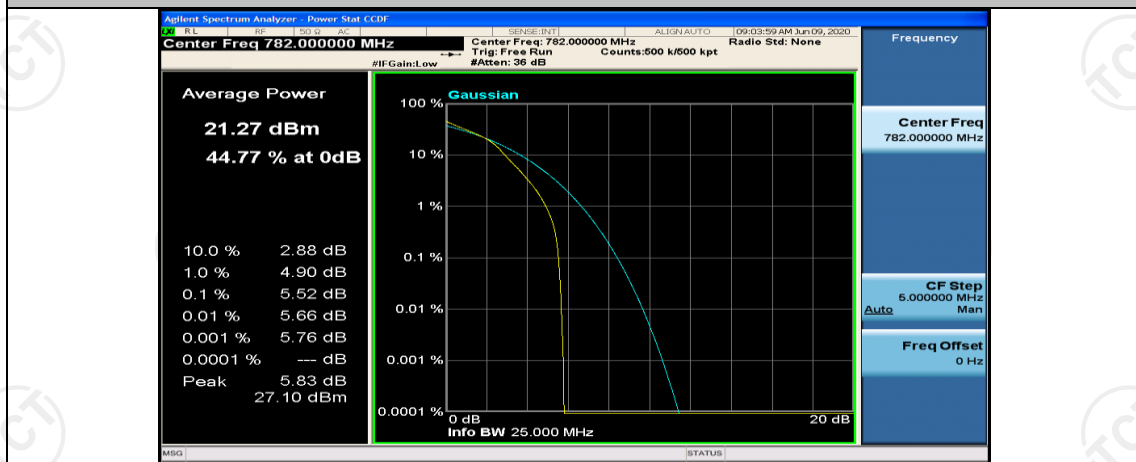
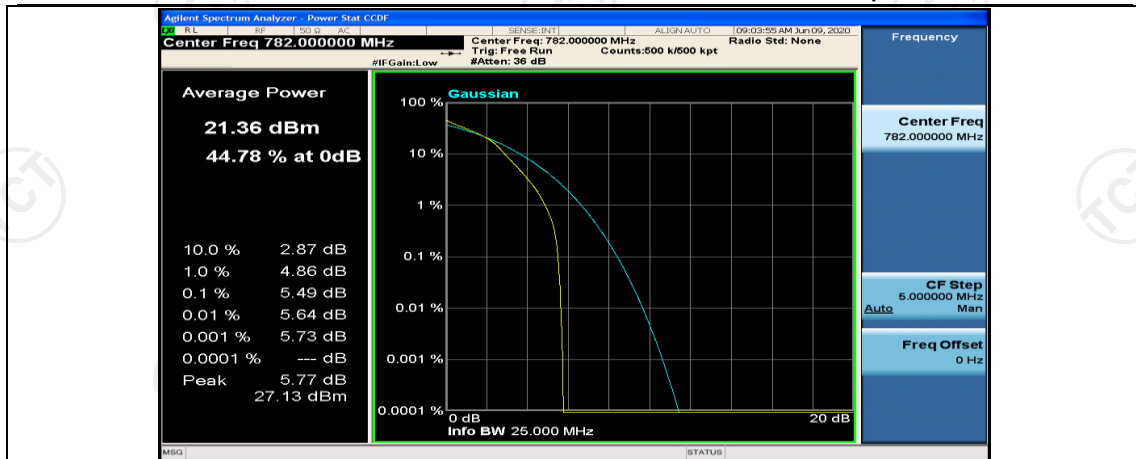
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

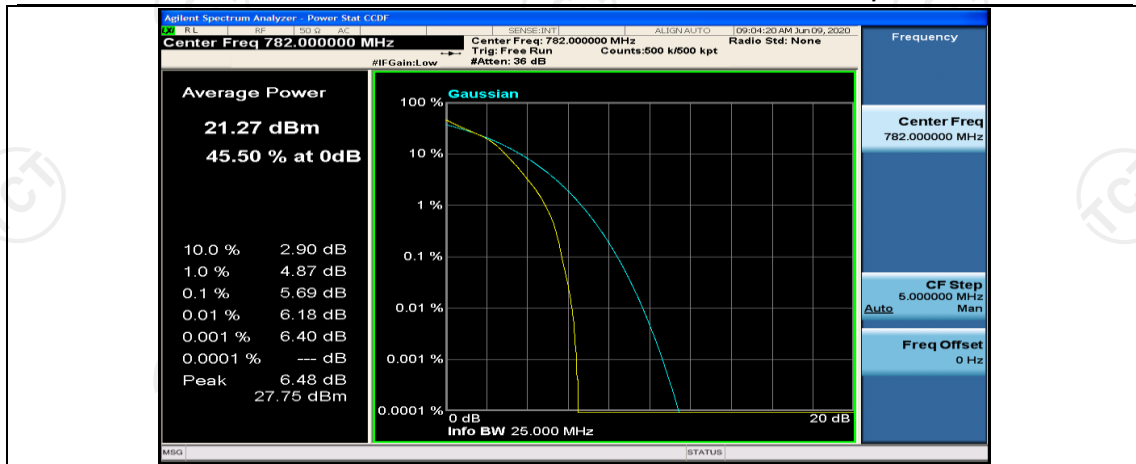


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

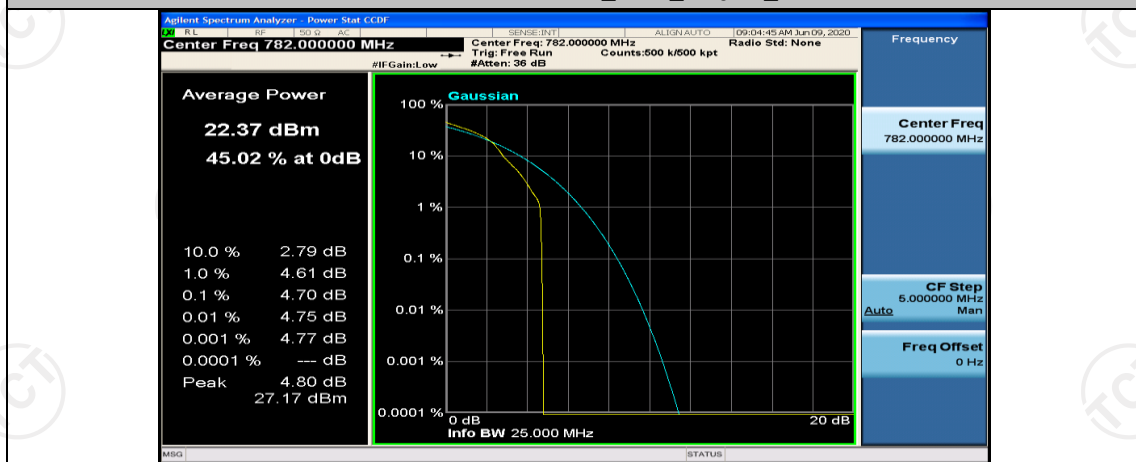


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

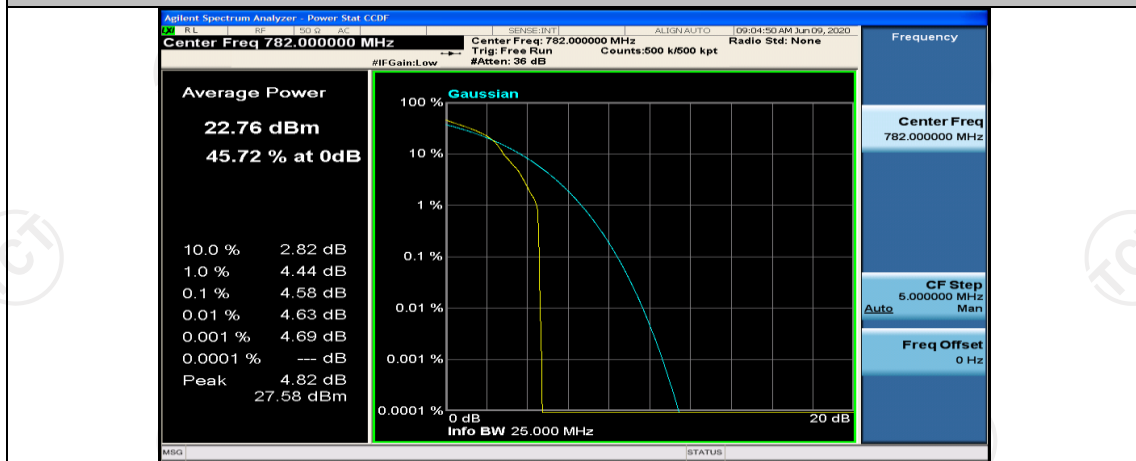




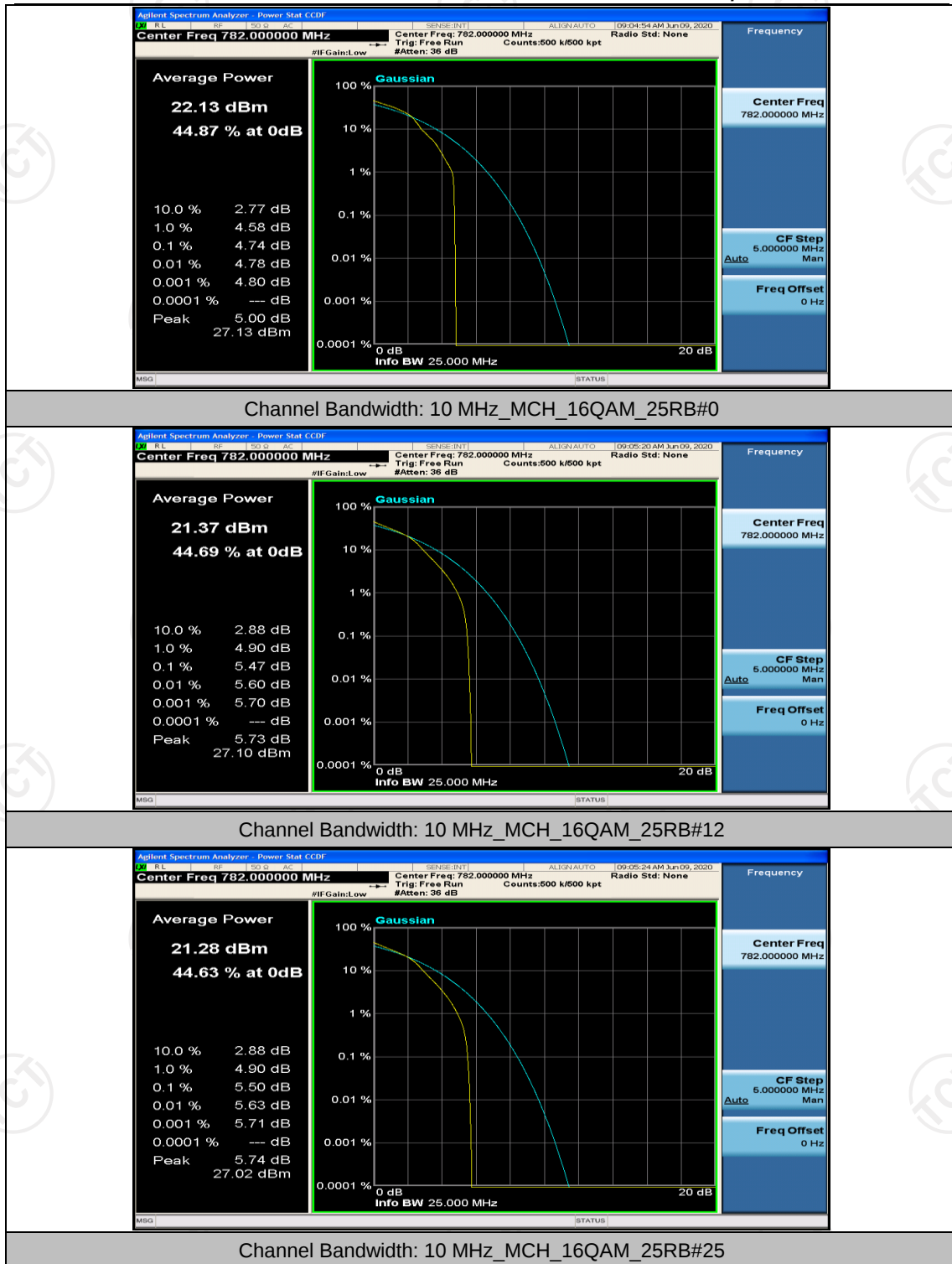
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

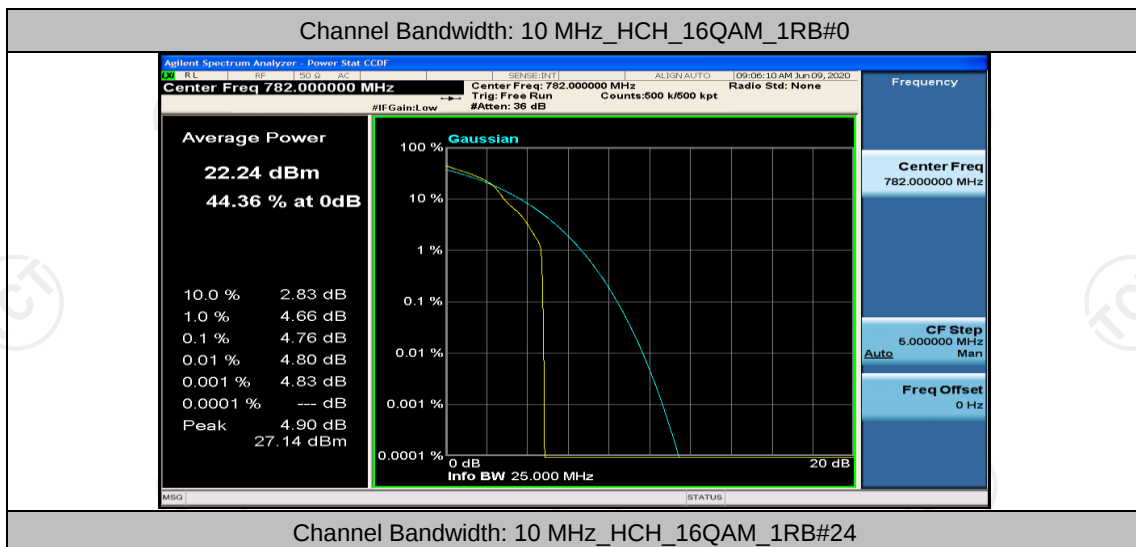
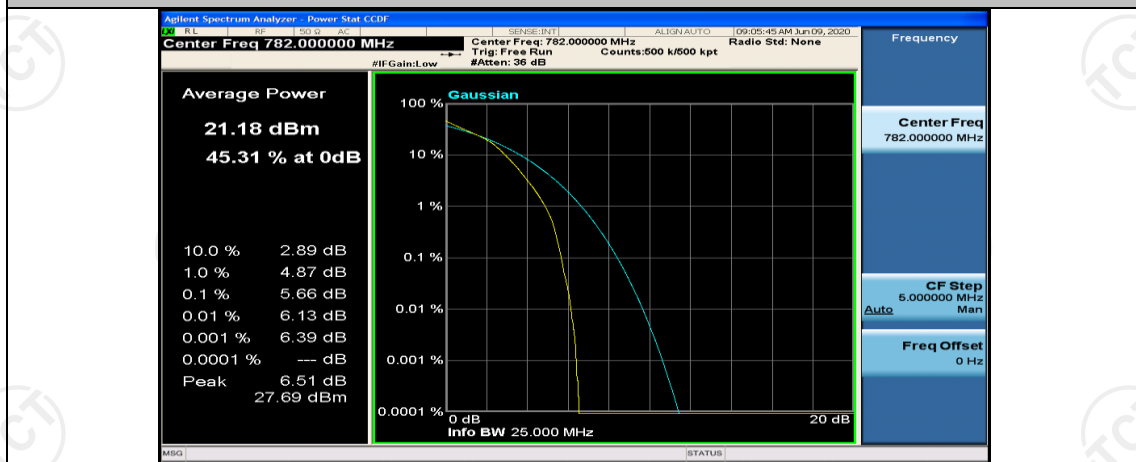
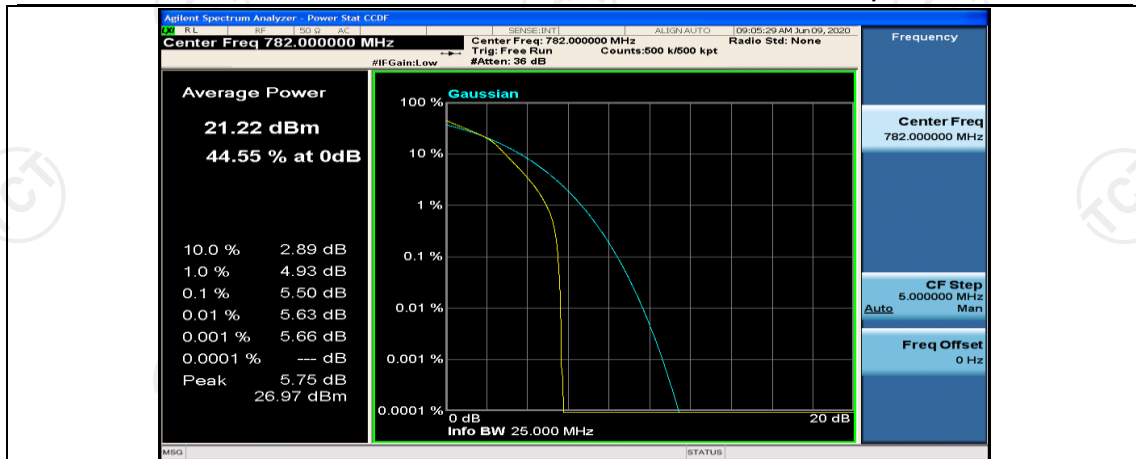


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

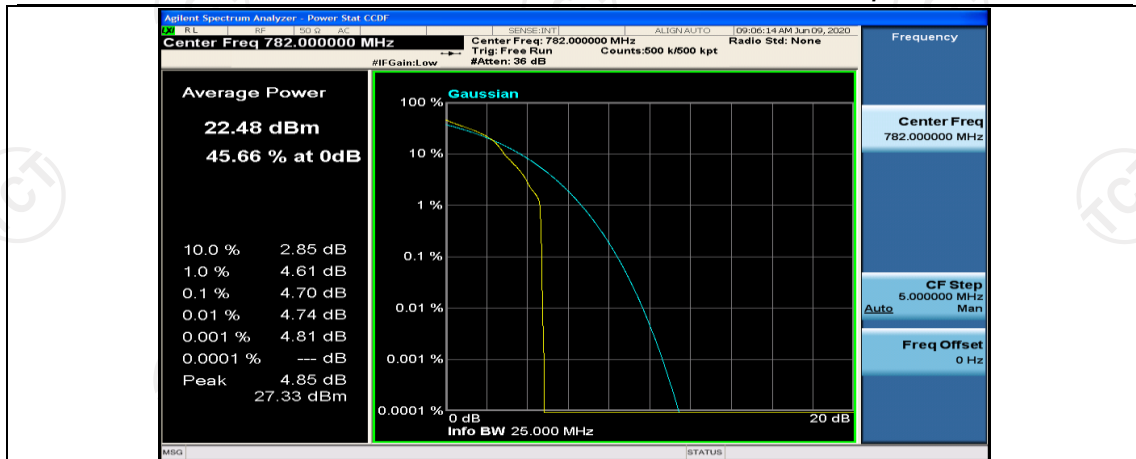


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

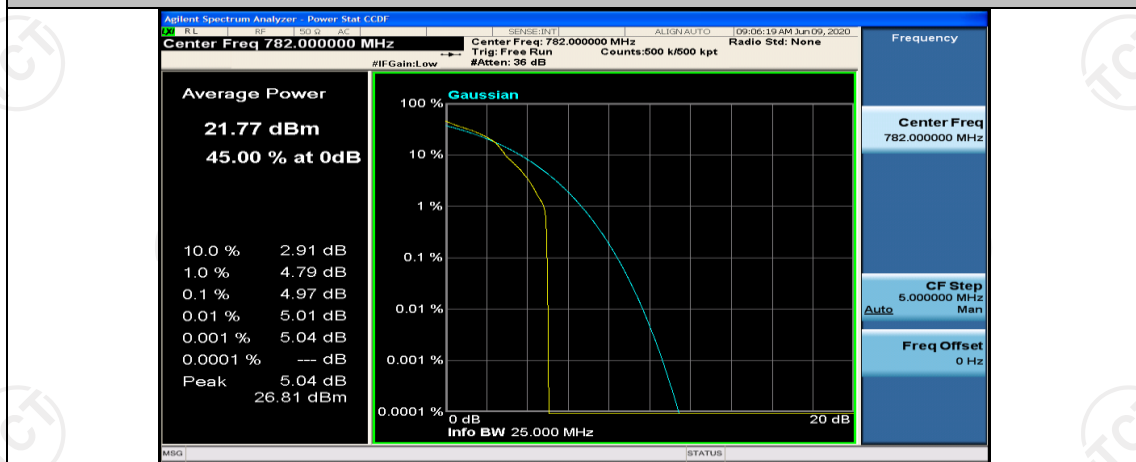




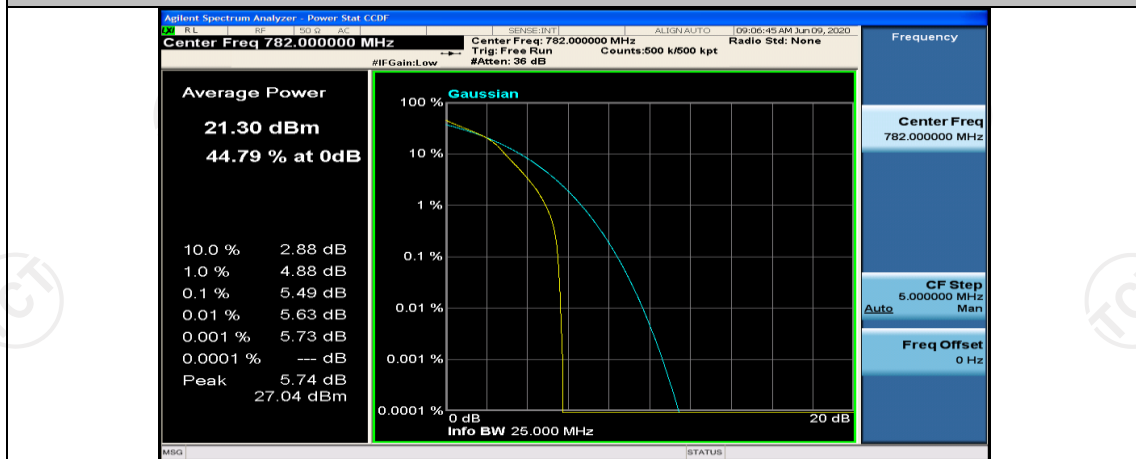
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



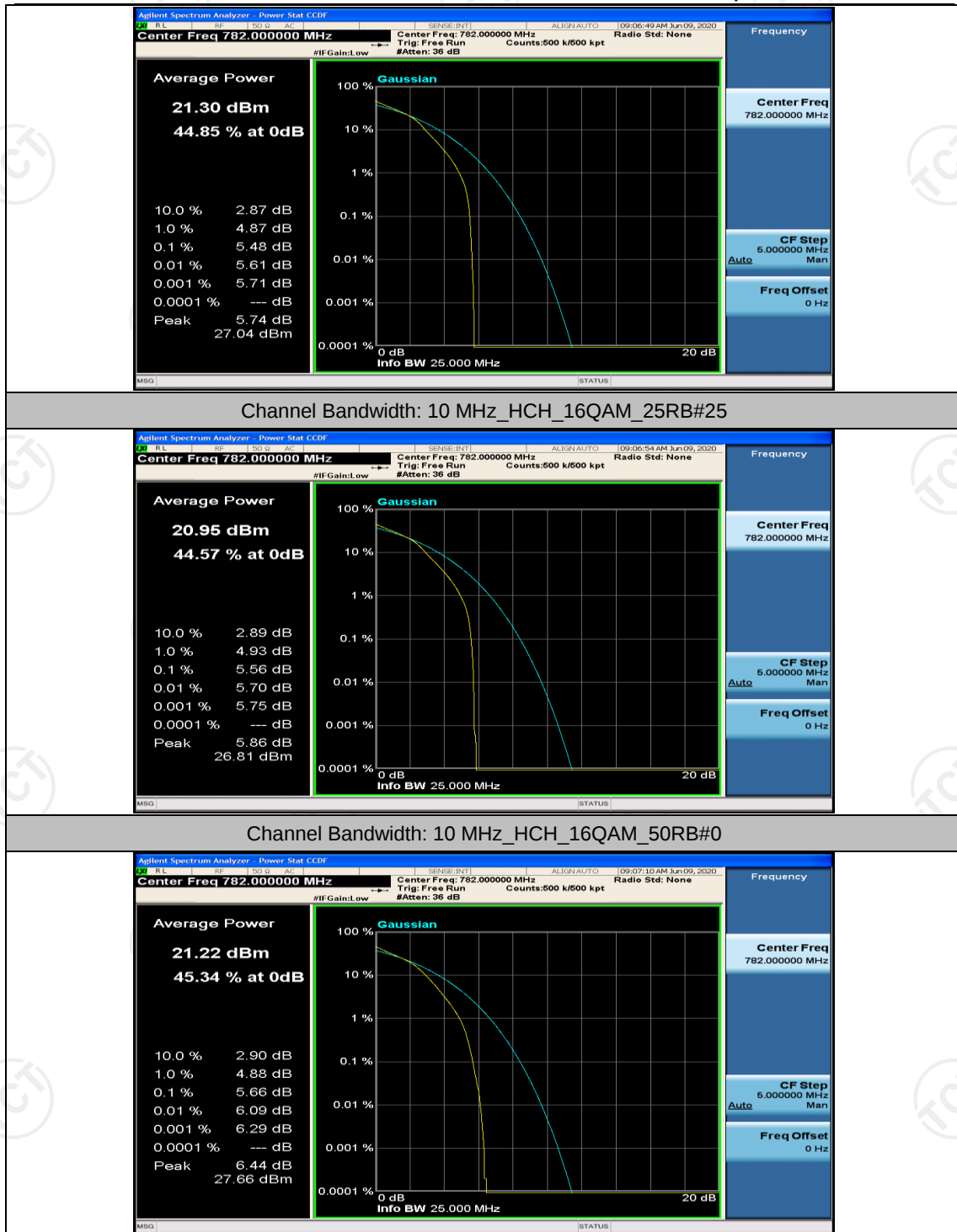
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

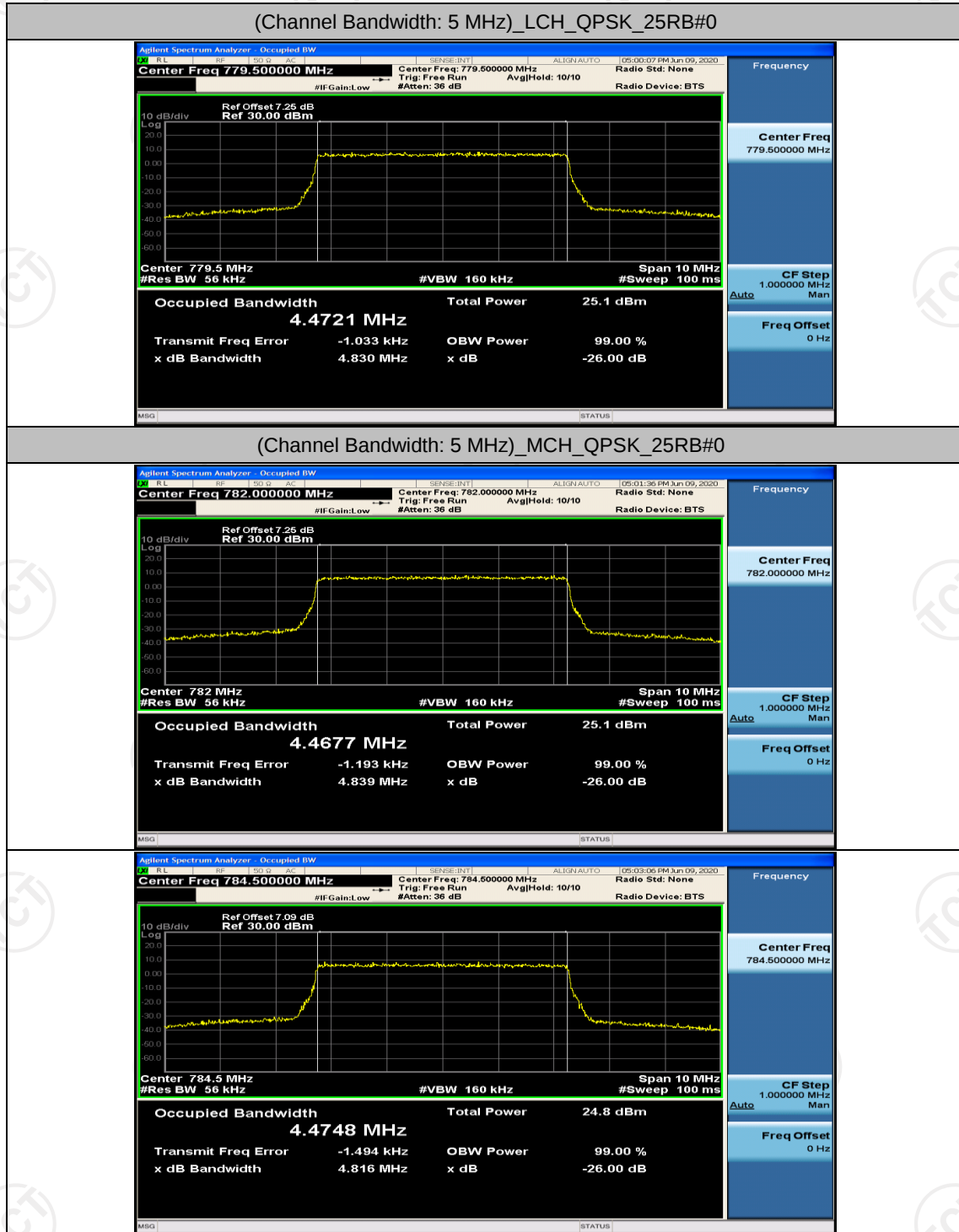
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4721	4.830	PASS
	MCH	25	0	4.4677	4.839	PASS
	HCH	25	0	4.4748	4.816	PASS
16QAM	LCH	25	0	4.4713	4.829	PASS
	MCH	25	0	4.4735	4.835	PASS
	HCH	25	0	4.4743	4.827	PASS

Channel Bandwidth: 10 MHz

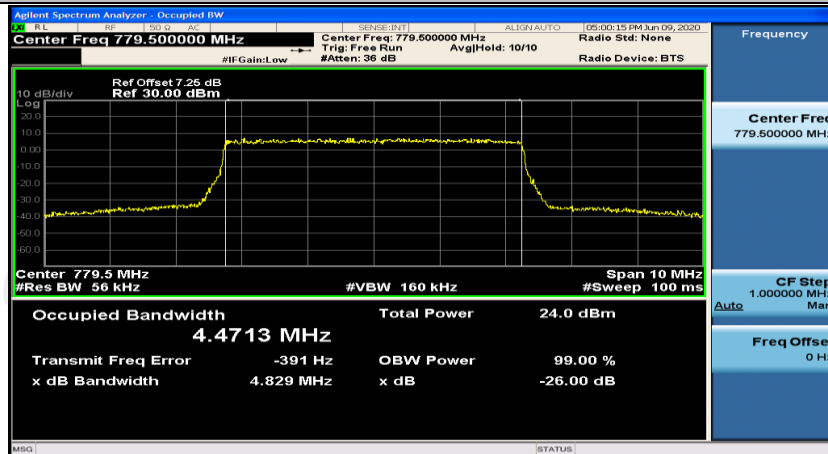
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9282	9.468	PASS
	MCH	50	0	8.9326	9.427	PASS
	HCH	50	0	8.9291	9.466	PASS
16QAM	LCH	50	0	8.9044	9.419	PASS
	MCH	50	0	8.9123	9.459	PASS
	HCH	50	0	8.9130	9.410	PASS

Test Graphs

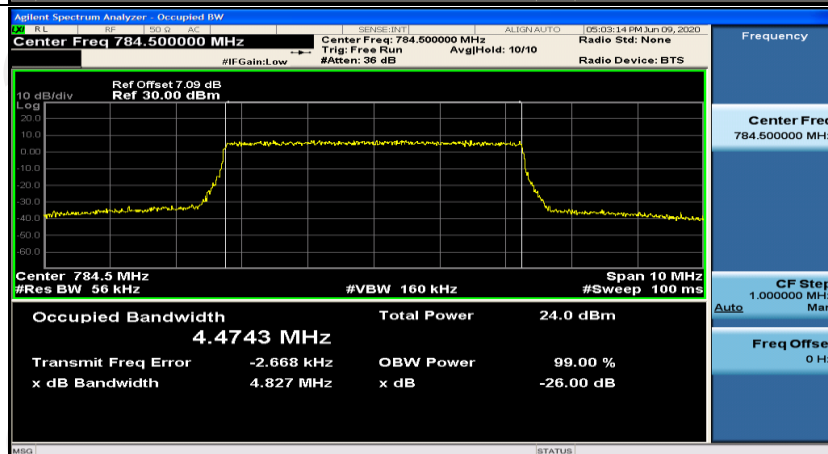
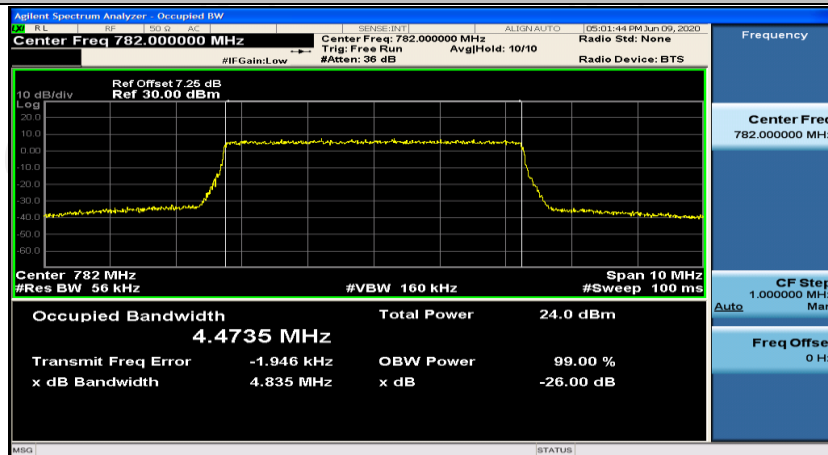
Channel Bandwidth: 5 MHz



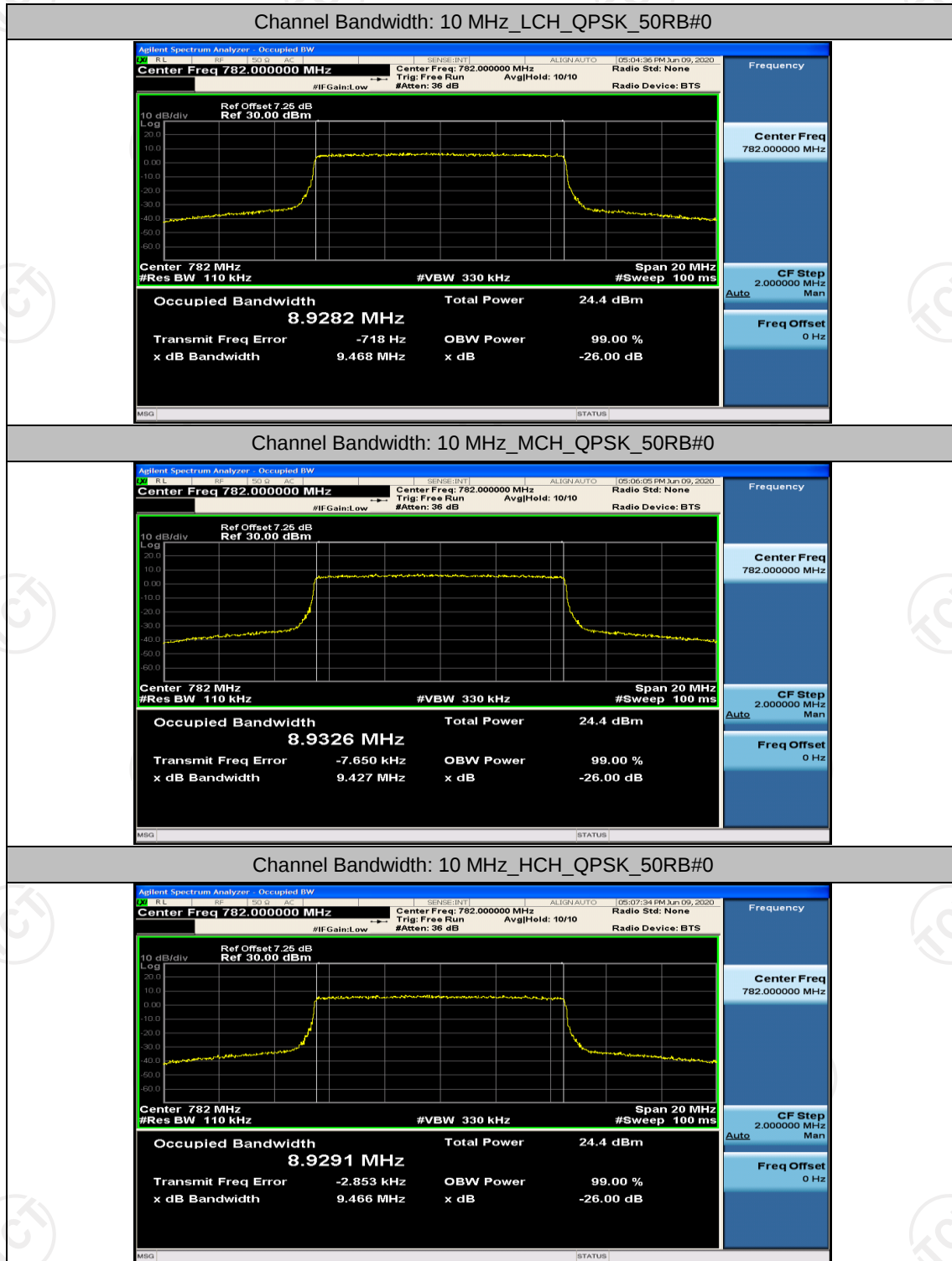
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



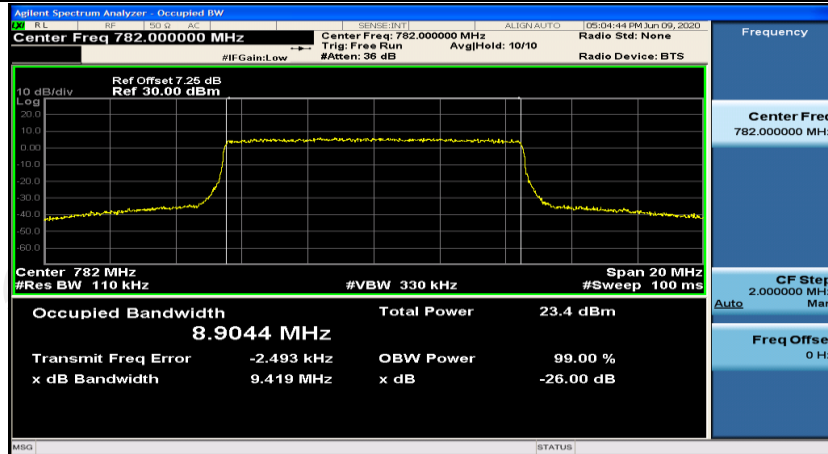
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



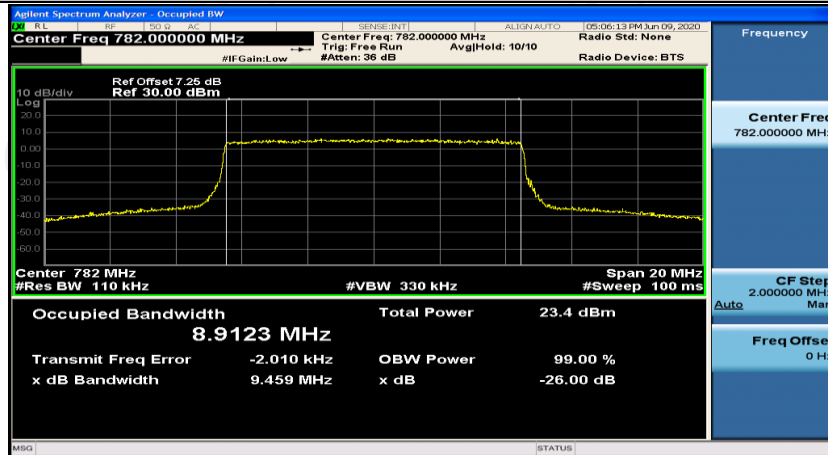
Channel Bandwidth: 10 MHz



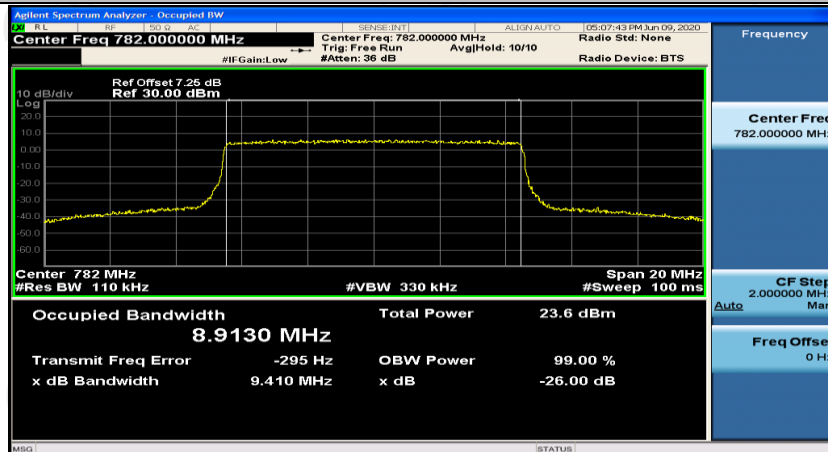
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz

