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.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	25.43	27.53	PASS
		1	12	25.67	27.77	PASS
		1	24	24.91	27.01	PASS
		12	0	23.57	25.67	PASS
		12	6	23.59	25.69	PASS
		12	13	23.10	25.2	PASS
		25	0	23.47	25.57	PASS
	MCH	1	0	24.38	26.48	PASS
		1	12	24.86	26.96	PASS
		1	24	24.28	26.38	PASS
		12	0	23.04	25.14	PASS
		12	6	23.37	25.47	PASS
		12	13	22.96	25.06	PASS
		25	0	23.28	25.38	PASS
	HCH	1	0	25.00	27.1	PASS
		1	12	25.26	27.36	PASS
		1	24	24.62	26.72	PASS
		12	0	23.31	25.41	PASS
		12	6	23.17	25.27	PASS
		12	13	22.73	24.83	PASS
		25	0	23.05	25.15	PASS
16QAM	LCH	1	0	23.73	25.83	PASS
		1	12	23.86	25.96	PASS
		1	24	23.27	25.37	PASS
		12	0	21.92	24.02	PASS
		12	6	21.94	24.04	PASS
		12	13	21.34	23.44	PASS
		25	0	21.75	23.85	PASS
	MCH	1	0	22.94	25.04	PASS
		1	12	23.55	25.65	PASS
		1	24	23.09	25.19	PASS
		12	0	21.60	23.7	PASS
		12	6	21.97	24.07	PASS
		12	13	21.52	23.62	PASS

		25	0	21.80	23.9	PASS
	HCH	1	0	23.54	25.64	PASS
		1	12	23.36	25.46	PASS
		1	24	22.64	24.74	PASS
		12	0	21.82	23.92	PASS
		12	6	21.67	23.77	PASS
		12	13	21.21	23.31	PASS
		25	0	21.48	23.58	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	25.09	27.19	PASS
		1	24	25.22	27.32	PASS
		1	49	23.97	26.07	PASS
		25	0	23.29	25.39	PASS
		25	12	23.26	25.36	PASS
		25	25	23.90	26	PASS
		50	0	23.82	25.92	PASS
	MCH	1	0	23.94	26.04	PASS
		1	24	25.06	27.16	PASS
		1	49	24.29	26.39	PASS
		25	0	23.31	25.41	PASS
		25	12	23.72	25.82	PASS
		25	25	23.53	25.63	PASS
		50	0	23.53	25.63	PASS
	HCH	1	0	24.34	26.44	PASS
		1	24	25.46	**27.56**	PASS
		1	49	24.33	26.43	PASS
		25	0	24.22	26.32	PASS
		25	12	23.99	26.09	PASS
		25	25	23.48	25.58	PASS
		50	0	23.90	26	PASS
16QAM	LCH	1	0	23.44	25.54	PASS
		1	24	23.58	25.68	PASS
		1	49	22.51	24.61	PASS
		25	0	21.46	23.56	PASS
		25	12	21.44	23.54	PASS
		25	25	21.60	23.7	PASS
		50	0	21.50	23.6	PASS

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	MCH	1	0	22.59	24.69	PASS
		1	24	23.86	25.96	PASS
		1	49	23.23	25.33	PASS
		25	0	21.39	23.49	PASS
		25	12	21.89	23.99	PASS
		25	25	21.67	23.77	PASS
		50	0	21.83	23.93	PASS
	HCH	1	0	23.26	25.36	PASS
		1	24	24.10	26.2	PASS
		1	49	22.75	24.85	PASS
		25	0	22.81	24.91	PASS
		25	12	22.24	24.34	PASS
		25	25	21.65	23.75	PASS
		50	0	22.44	24.54	PASS

Note: EIRP= Average Power + Antenna Gain (2.1dBi)

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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	2.65	<13	PASS
		1	12	2.9	<13	PASS
		1	24	3.89	<13	PASS
		12	0	4.27	<13	PASS
		12	6	4.58	<13	PASS
		12	13	5.01	<13	PASS
		25	0	4.66	<13	PASS
	MCH	1	0	4.24	<13	PASS
		1	12	3.33	<13	PASS
		1	24	3.37	<13	PASS
		12	0	4.91	<13	PASS
		12	6	4.56	<13	PASS
		12	13	4.58	<13	PASS
		25	0	4.51	<13	PASS
	HCH	1	0	2.6	<13	PASS
		1	12	2.89	<13	PASS
		1	24	3.6	<13	PASS
		12	0	4	<13	PASS
		12	6	4.24	<13	PASS
		12	13	4.72	<13	PASS
		25	0	4.31	<13	PASS
16QAM	LCH	1	0	4.17	<13	PASS
		1	12	4.51	<13	PASS
		1	24	5.38	<13	PASS
		12	0	5.65	<13	PASS
		12	6	5.93	<13	PASS
		12	13	6.36	<13	PASS
		25	0	5.88	<13	PASS
	MCH	1	0	5.5	<13	PASS
		1	12	4.72	<13	PASS
		1	24	4.55	<13	PASS
		12	0	6.11	<13	PASS
		12	6	5.77	<13	PASS

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		12	13	5.76	<13	PASS
		25	0	5.71	<13	PASS
	HCH	1	0	3.91	<13	PASS
		1	12	4.22	<13	PASS
		1	24	5.13	<13	PASS
		12	0	5.27	<13	PASS
		12	6	5.46	<13	PASS
		12	13	5.87	<13	PASS
		25	0	5.5	<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	2.79	<13	PASS
		1	24	3.72	<13	PASS
		1	49	4.55	<13	PASS
		25	0	4.73	<13	PASS
		25	12	5.08	<13	PASS
		25	25	5.05	<13	PASS
		50	0	4.92	<13	PASS
	MCH	1	0	4.78	<13	PASS
		1	24	3.23	<13	PASS
		1	49	3.21	<13	PASS
		25	0	5.07	<13	PASS
		25	12	4.47	<13	PASS
		25	25	4.25	<13	PASS
		50	0	4.51	<13	PASS
	HCH	1	0	3.18	<13	PASS
		1	24	2.31	<13	PASS
		1	49	3.73	<13	PASS
		25	0	3.3	<13	PASS
		25	12	3.54	<13	PASS
		25	25	4.19	<13	PASS
		50	0	3.83	<13	PASS
16QAM	LCH	1	0	4.33	<13	PASS
		1	24	5.23	<13	PASS
		1	49	5.7	<13	PASS
		25	0	5.97	<13	PASS
		25	12	6.33	<13	PASS
		25	25	6.23	<13	PASS

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		50	0	6.12	<13	PASS
	MCH	1	0	5.92	<13	PASS
		1	24	4.53	<13	PASS
		1	49	4.42	<13	PASS
		25	0	6.14	<13	PASS
		25	12	5.64	<13	PASS
		25	25	5.36	<13	PASS
		50	0	5.61	<13	PASS
	HCH	1	0	4.39	<13	PASS
		1	24	3.59	<13	PASS
		1	49	5.15	<13	PASS
		25	0	4.53	<13	PASS
		25	12	4.76	<13	PASS
		25	25	5.34	<13	PASS
		50	0	4.99	<13	PASS

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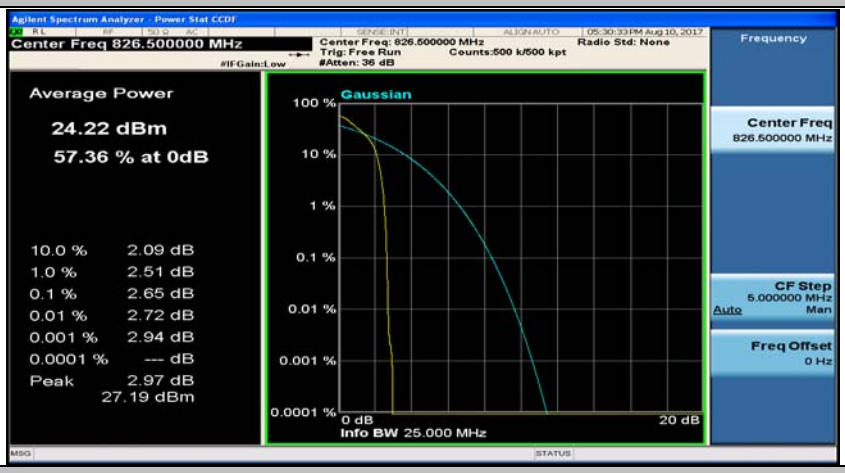
Test Graphs

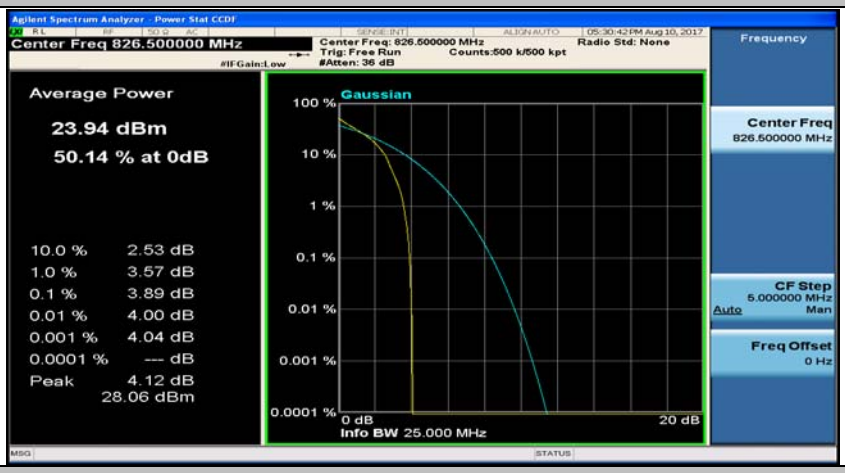
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



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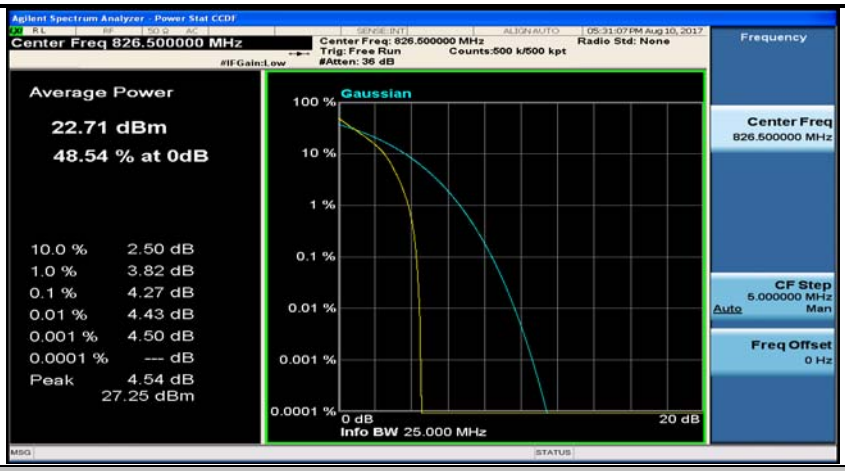
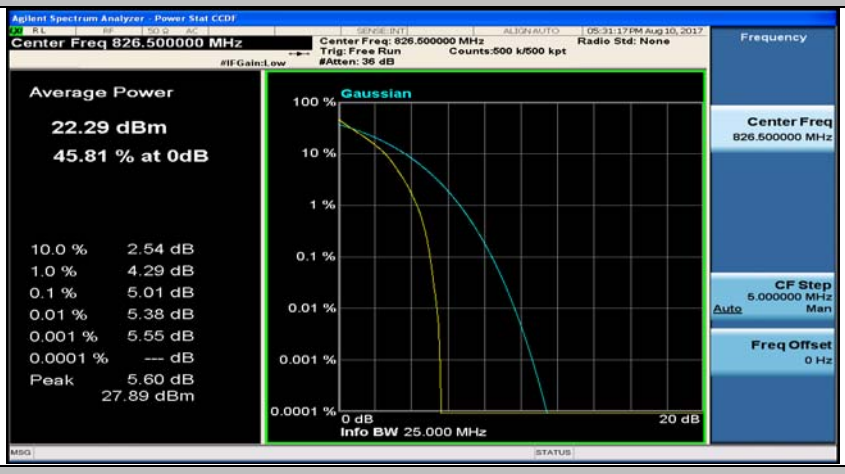


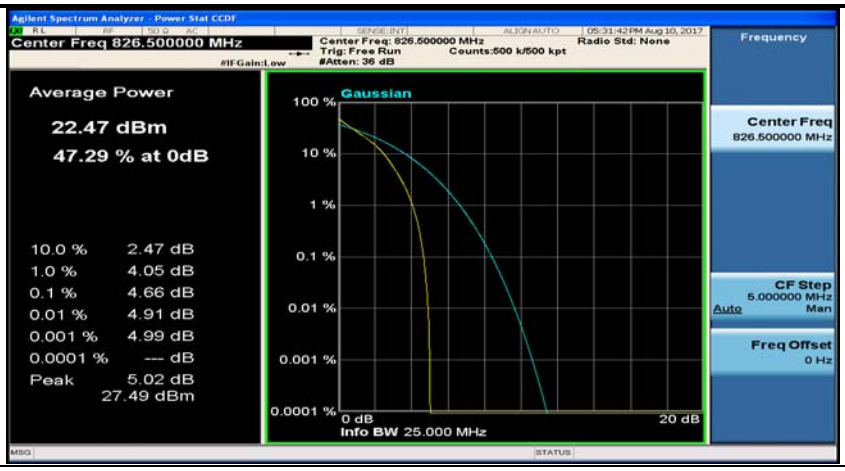
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

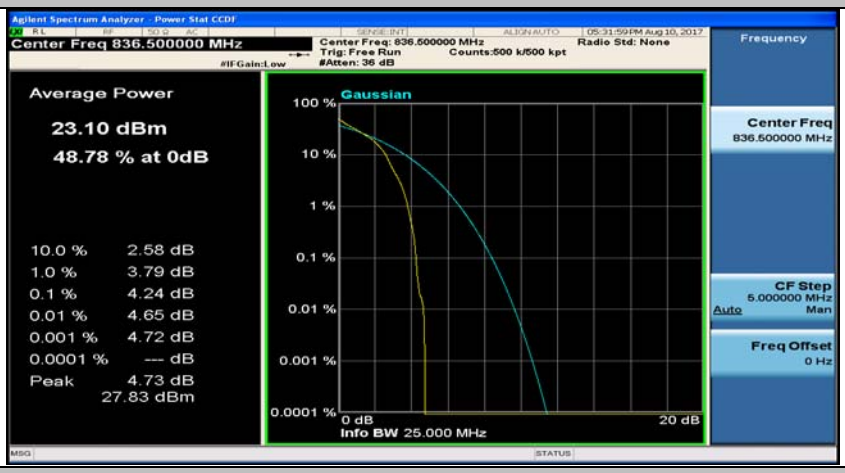


(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

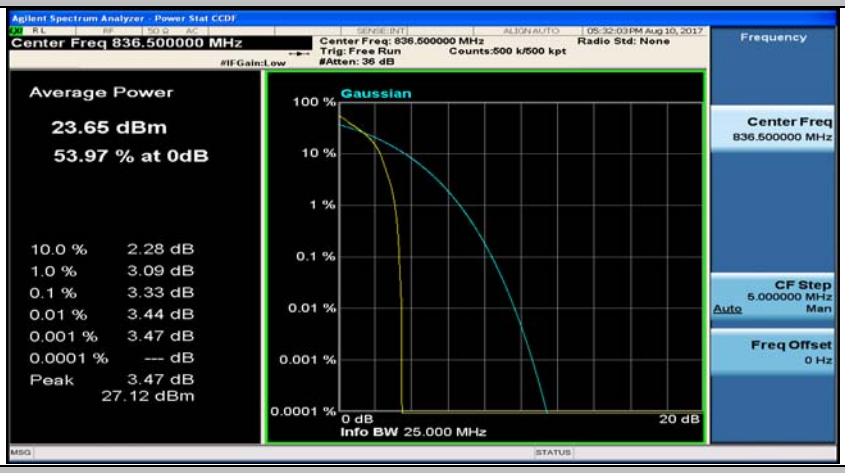
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



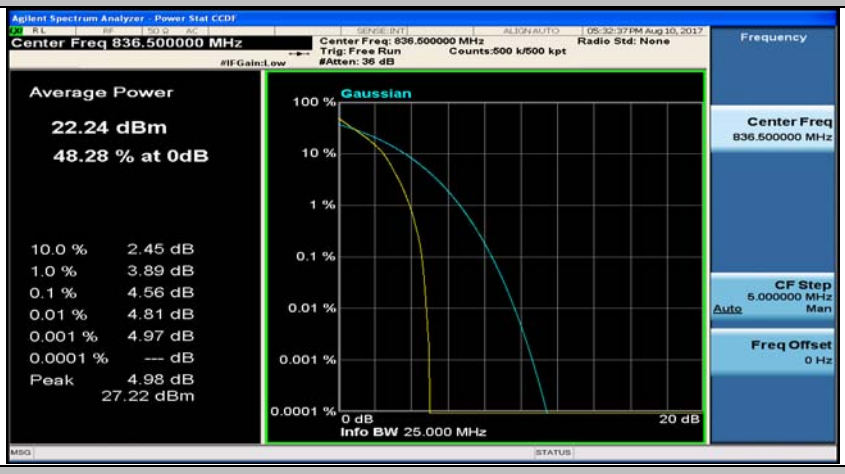
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

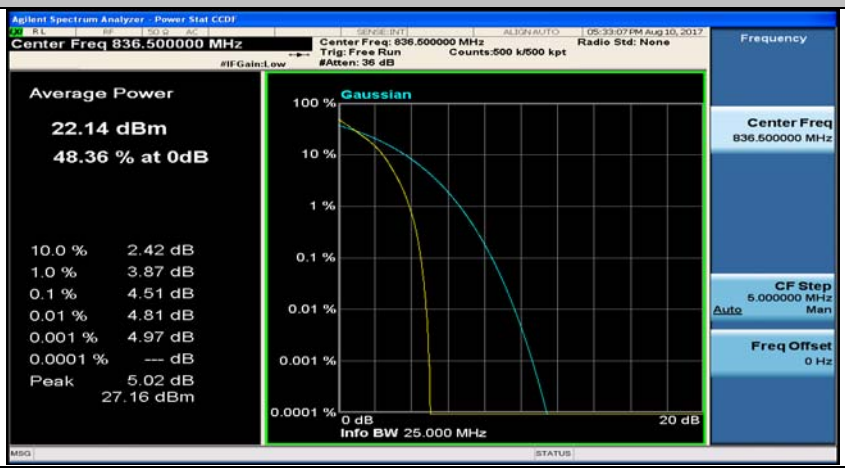
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



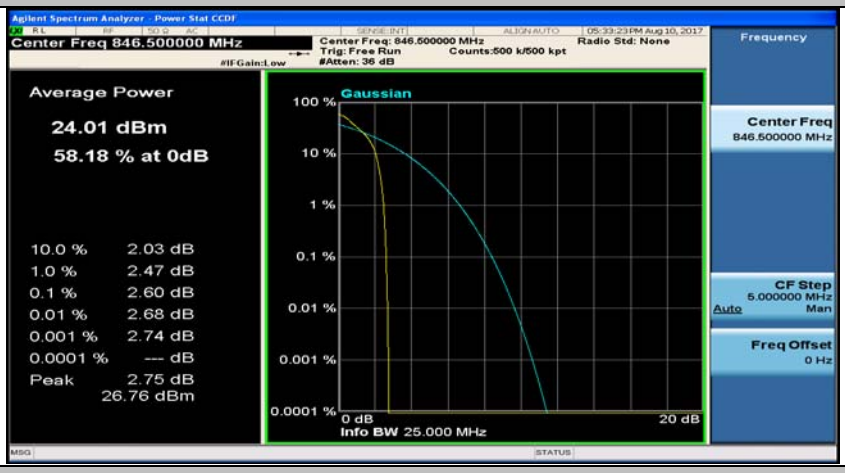
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

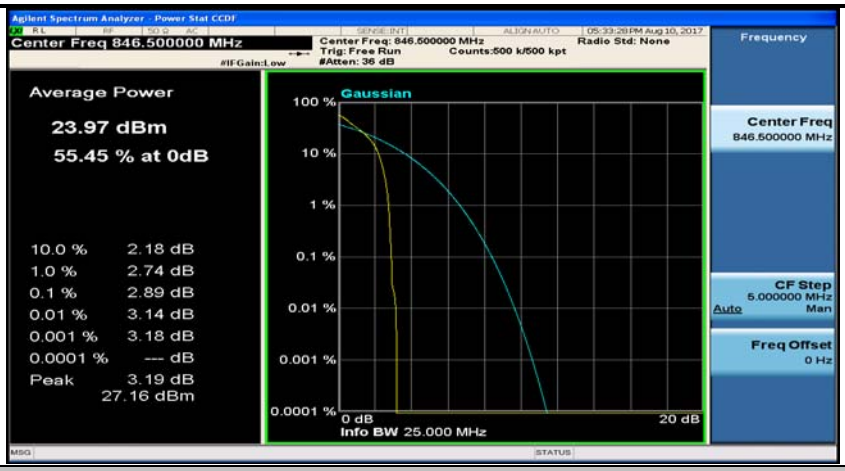
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



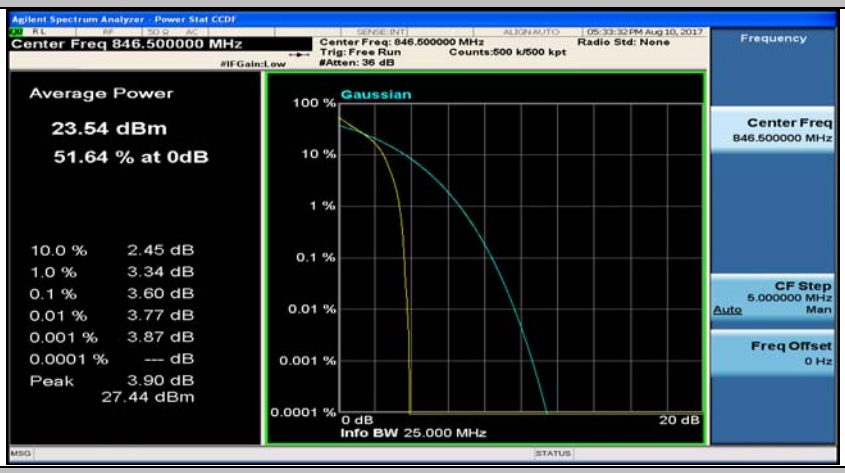
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(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

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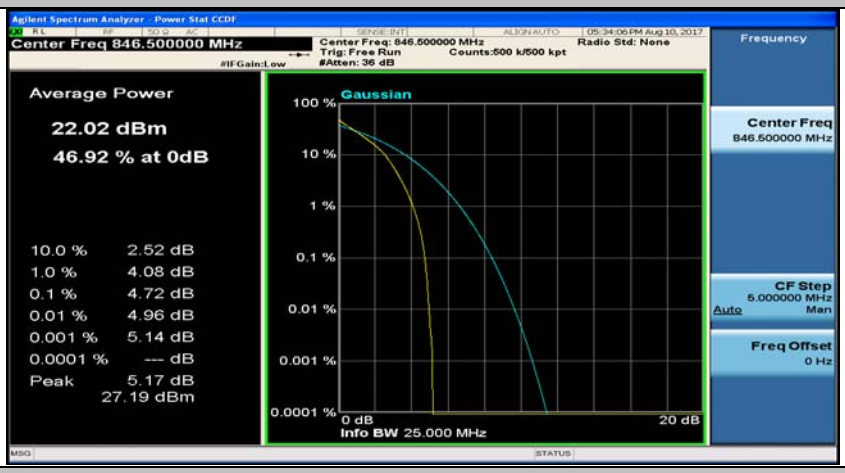
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



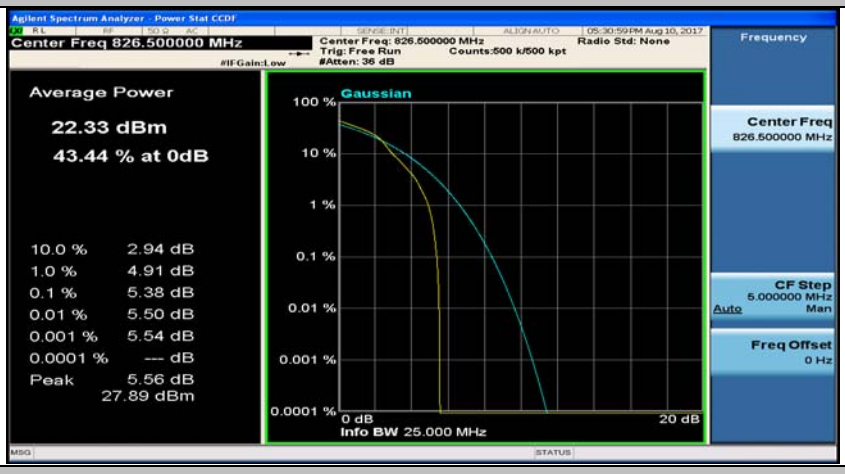
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

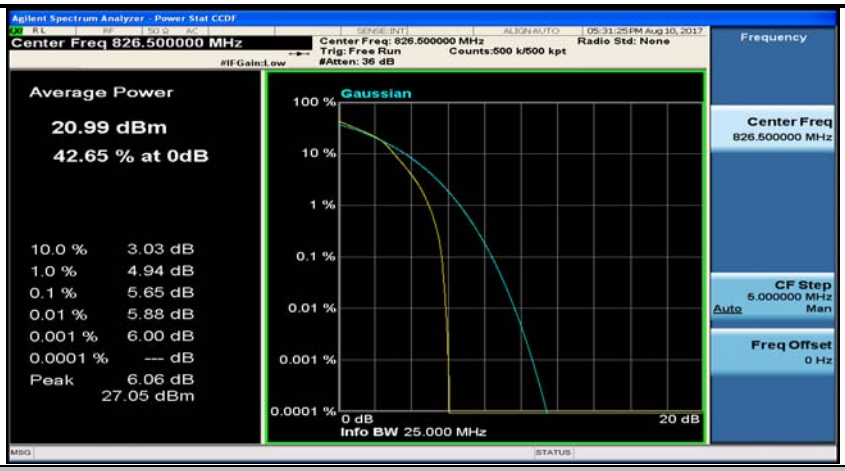
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



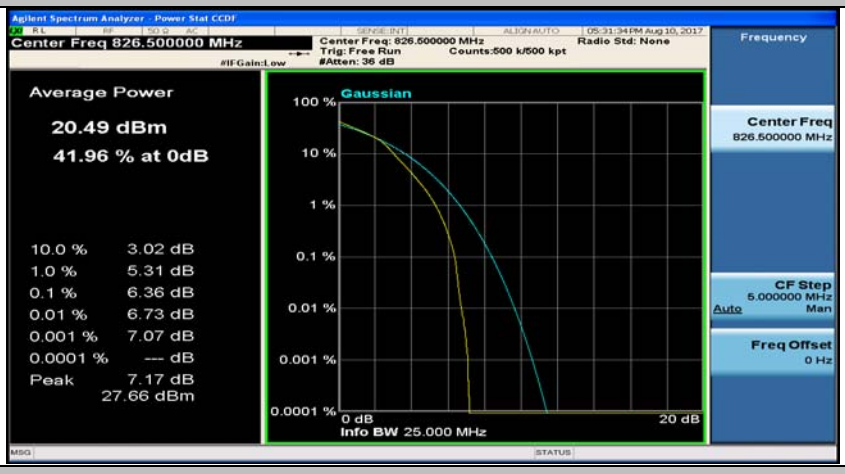
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

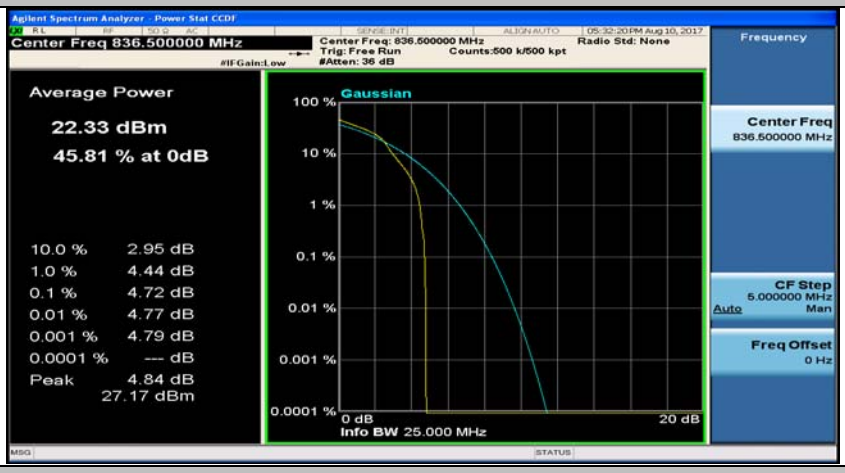


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

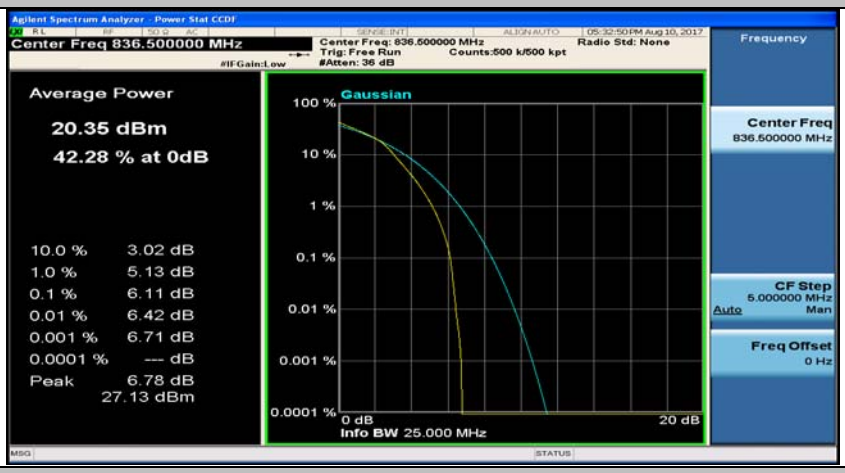
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

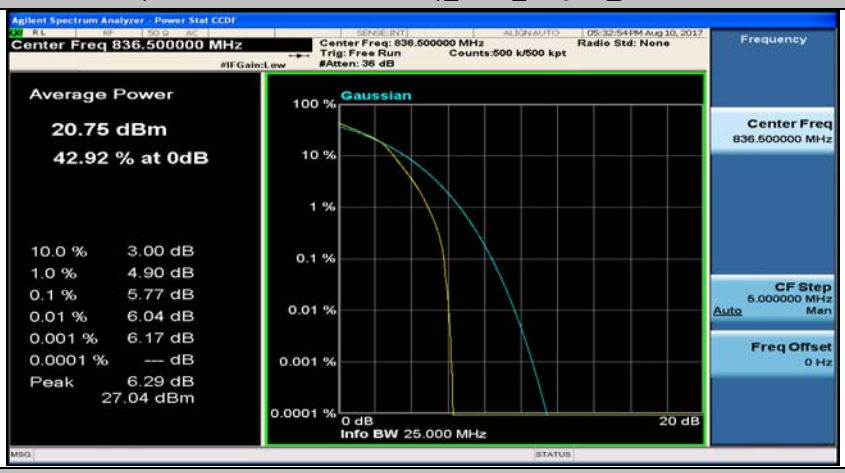


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



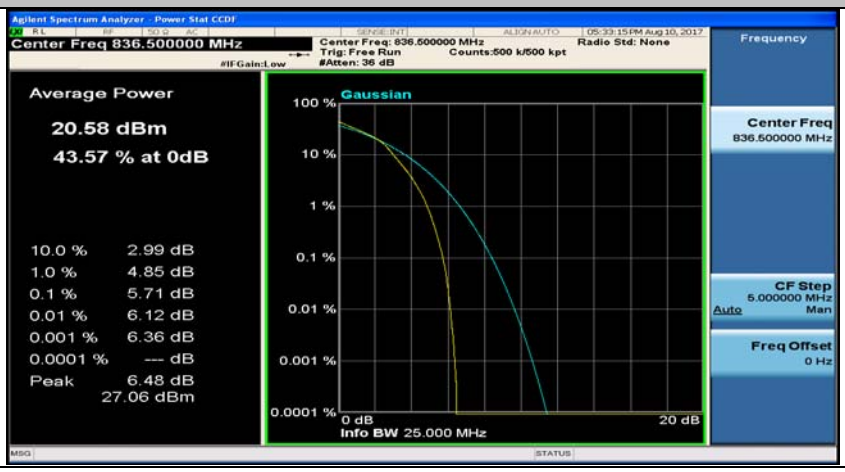
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



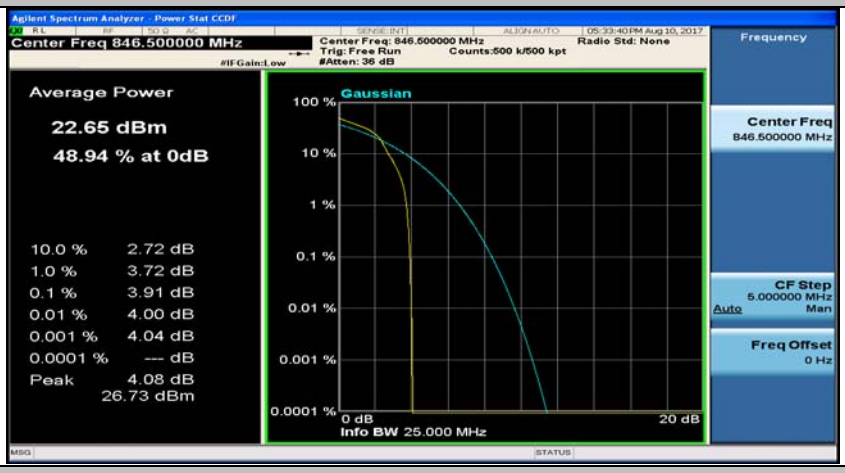
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

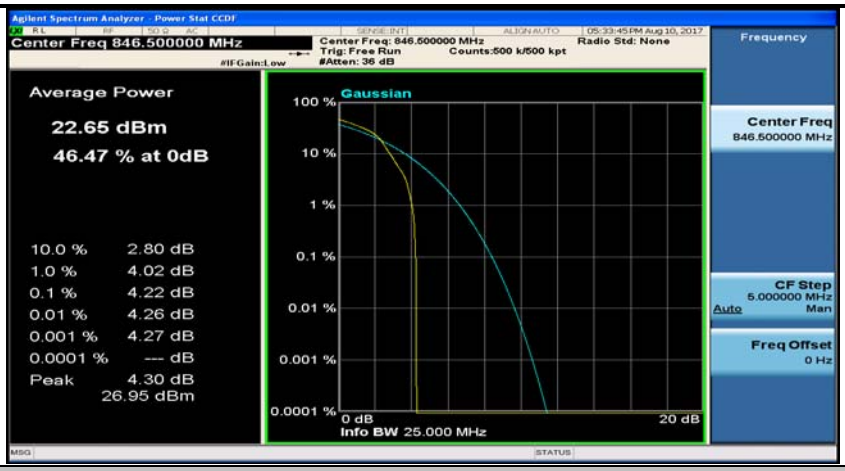
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

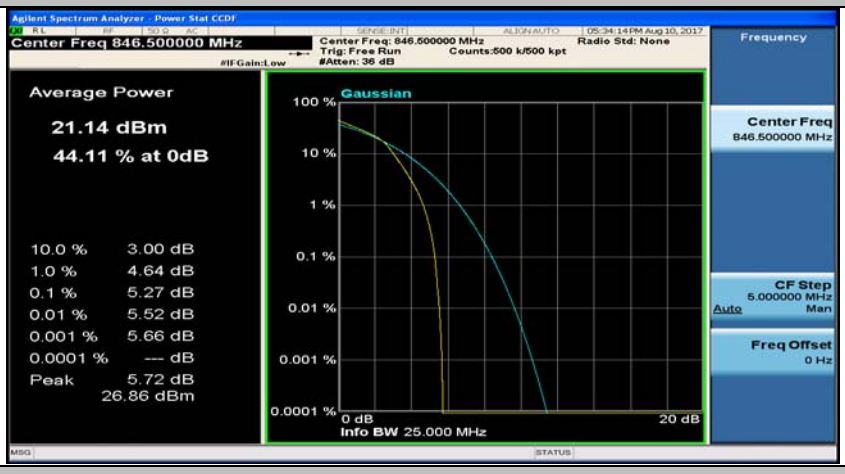


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

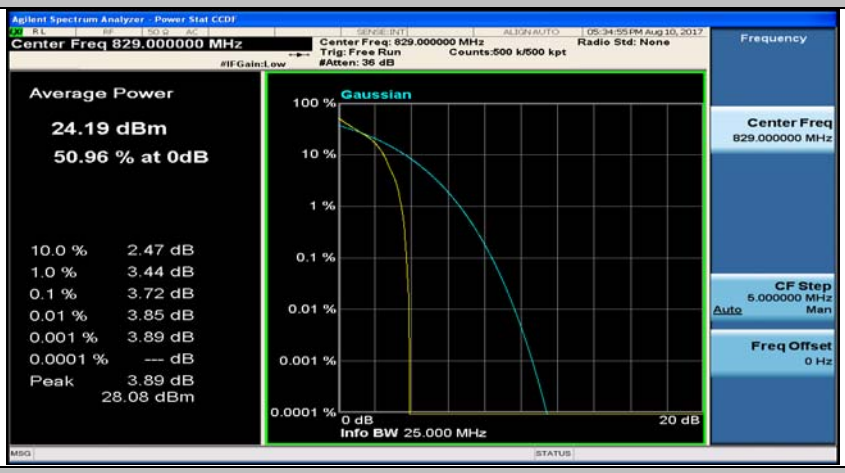
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

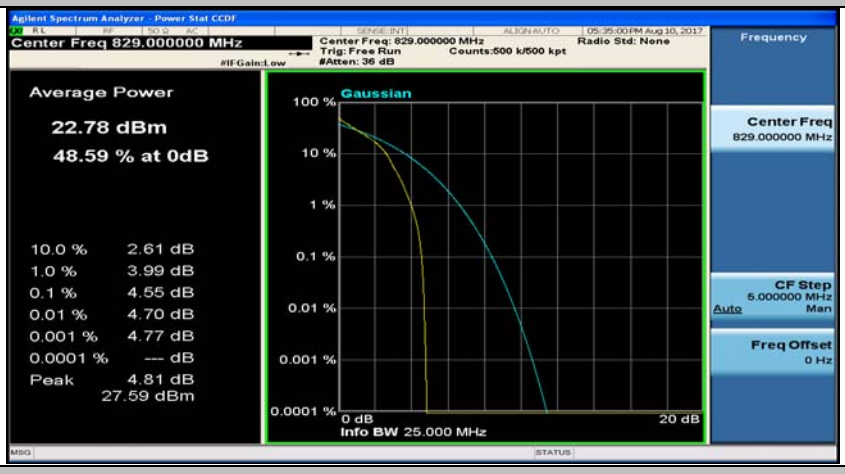
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

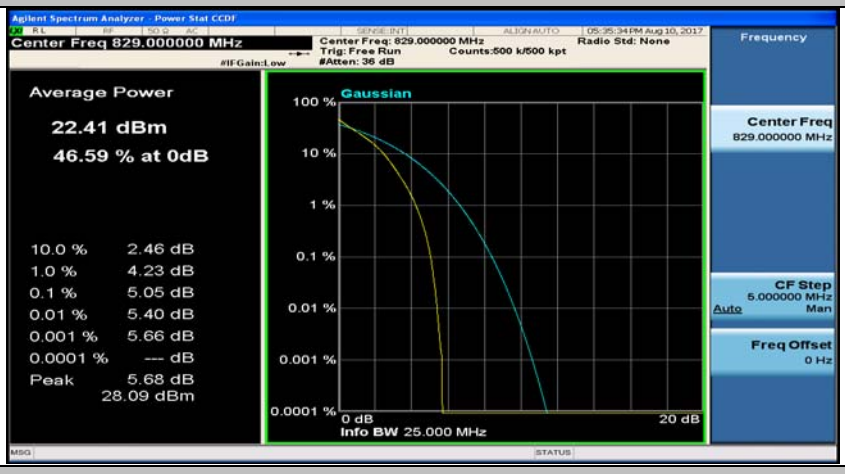


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

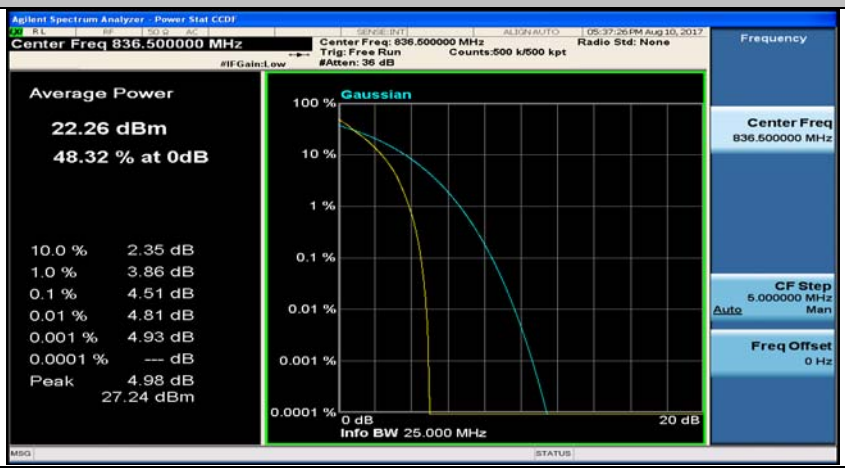
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

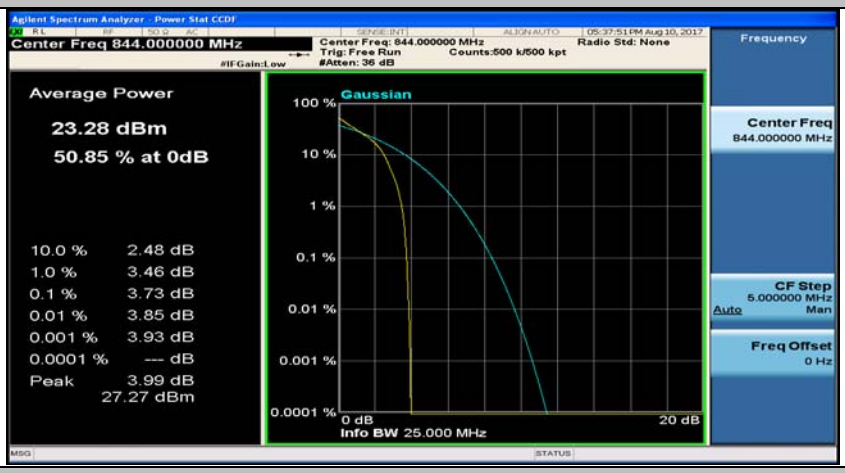


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

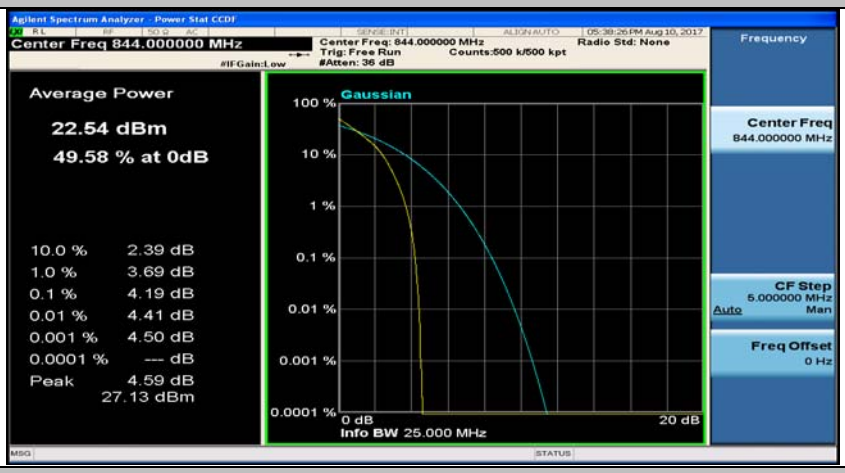


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

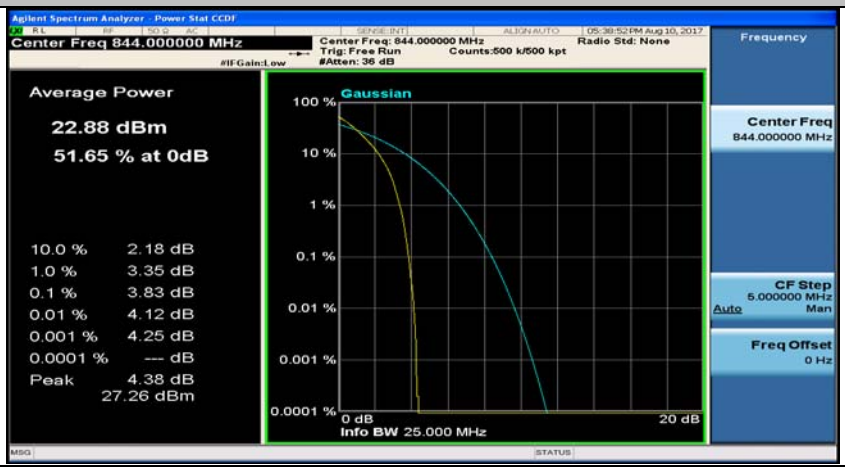
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

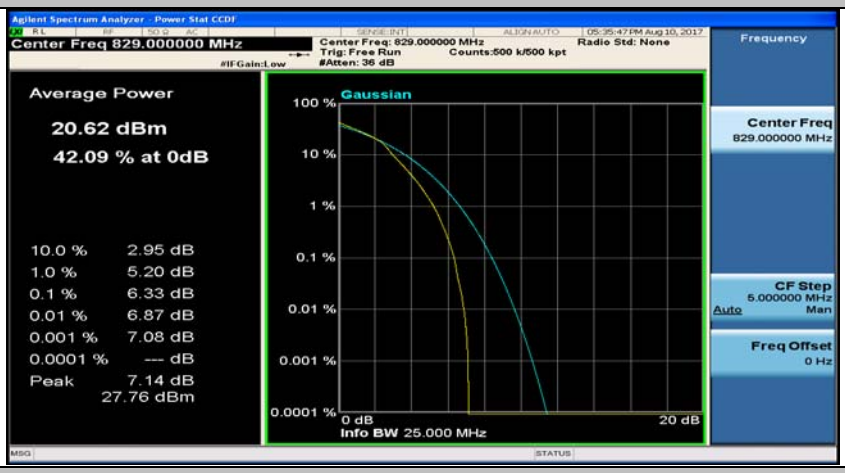
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



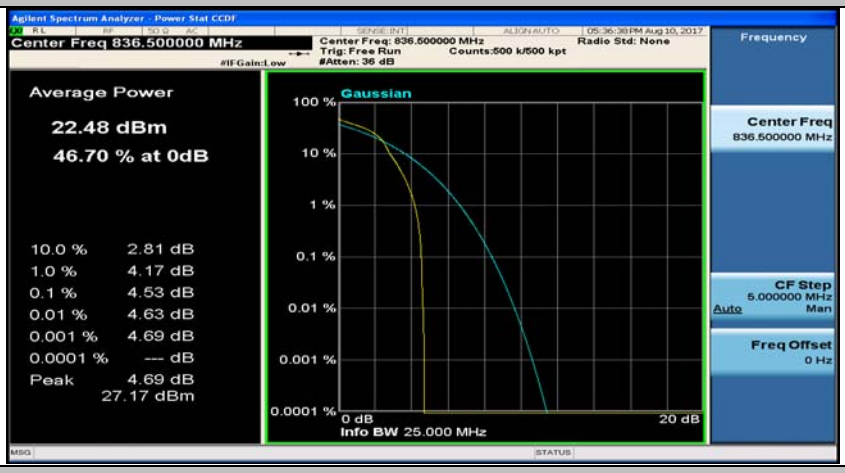
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

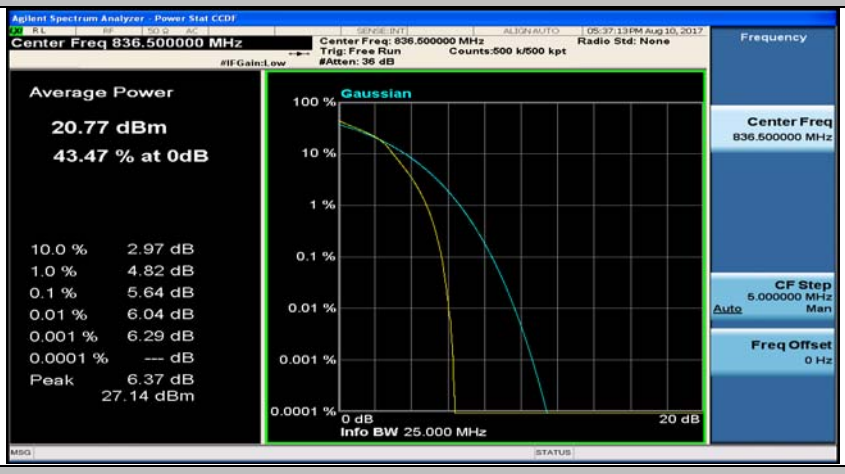
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

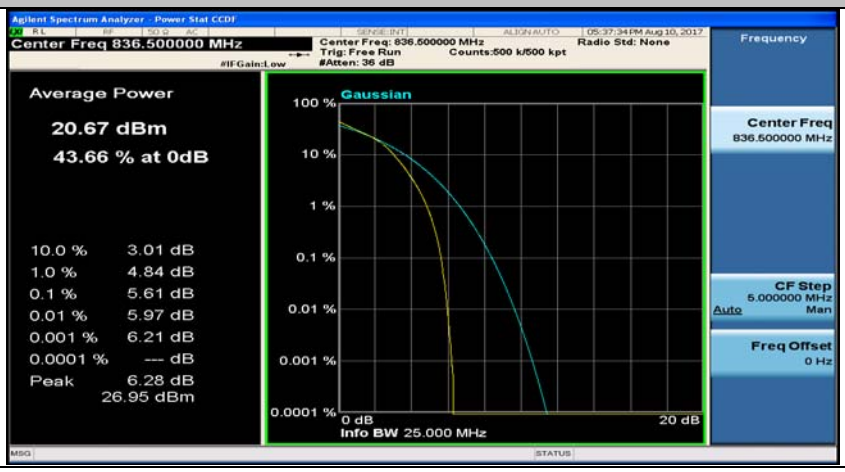
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



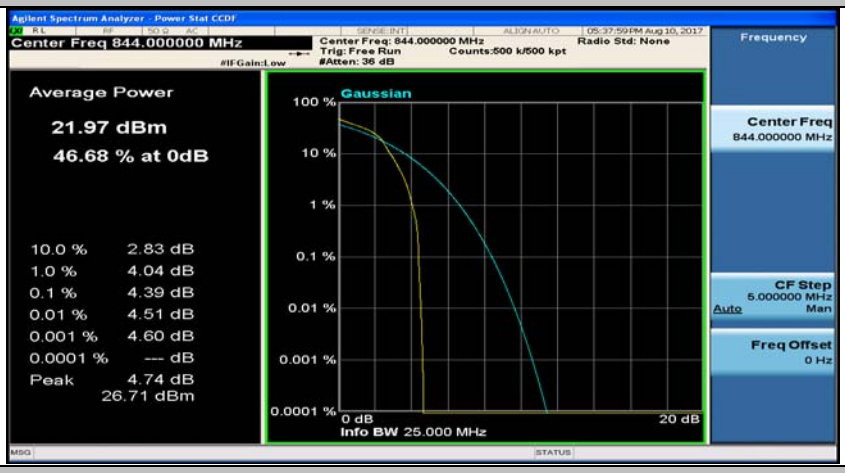
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

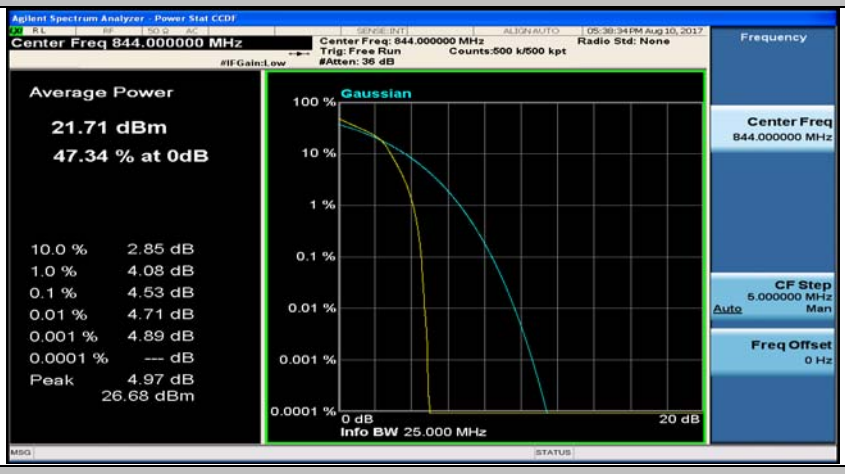


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

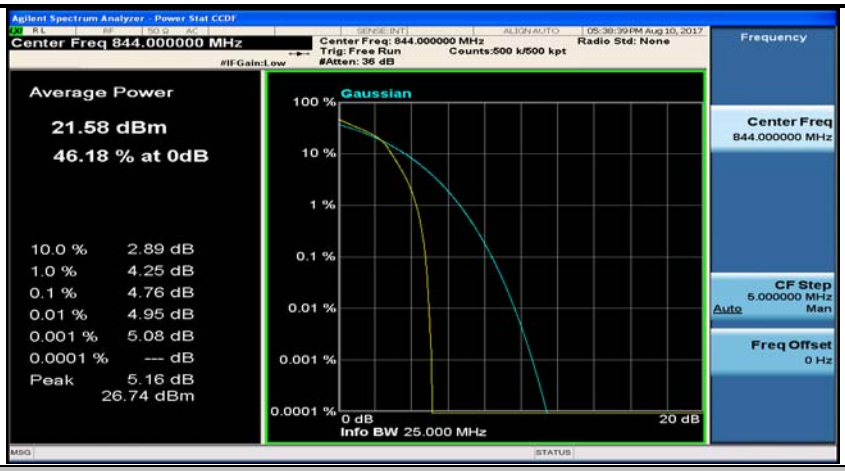
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

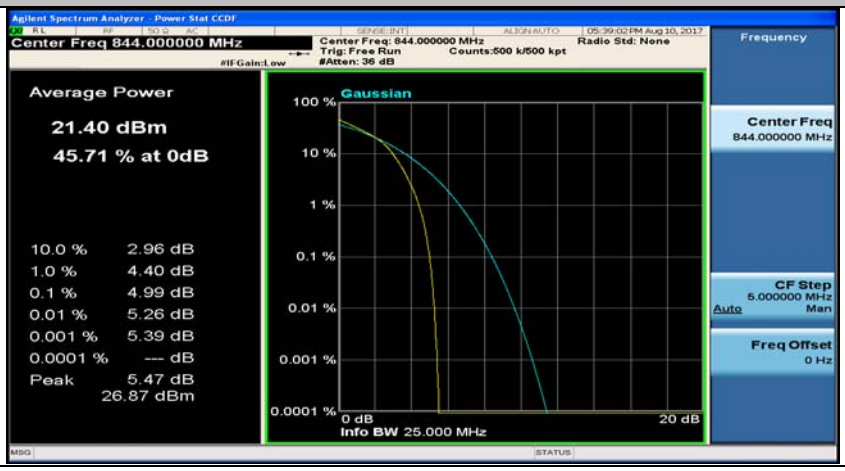


Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



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	4.4752	4.910	PASS
	MCH	25	0	4.4751	4.899	PASS
	HCH	25	0	4.4680	4.994	PASS
16QAM	LCH	25	0	4.4813	4.887	PASS
	MCH	25	0	4.4785	4.856	PASS
	HCH	25	0	4.4849	4.863	PASS

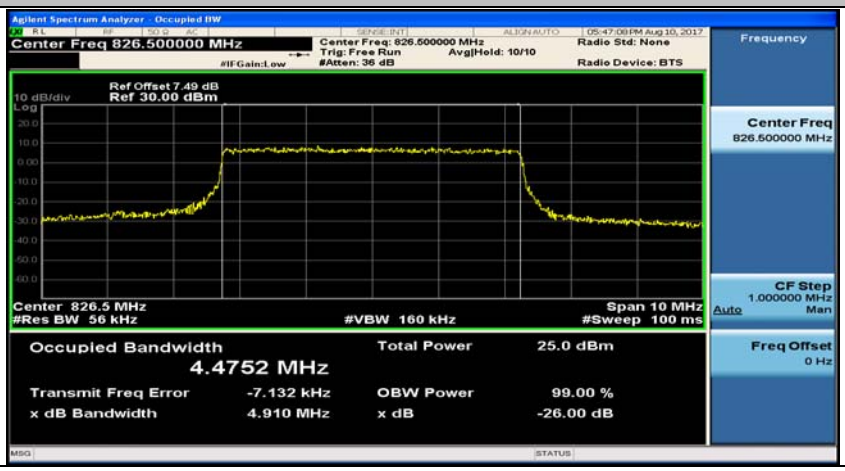
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9507	9.655	PASS
	MCH	50	0	8.9555	9.500	PASS
	HCH	50	0	8.9427	9.746	PASS
16QAM	LCH	50	0	8.9436	9.493	PASS
	MCH	50	0	8.9378	9.457	PASS
	HCH	50	0	8.9293	9.461	PASS

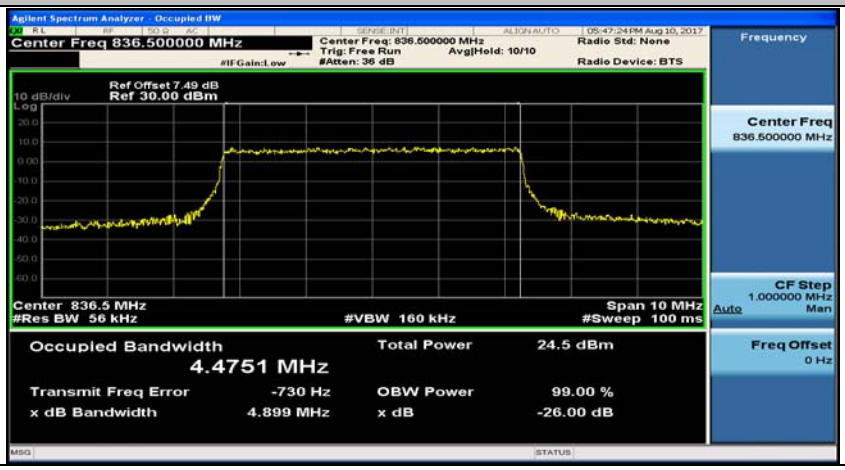
Test Graphs

Channel Bandwidth: 5 MHz

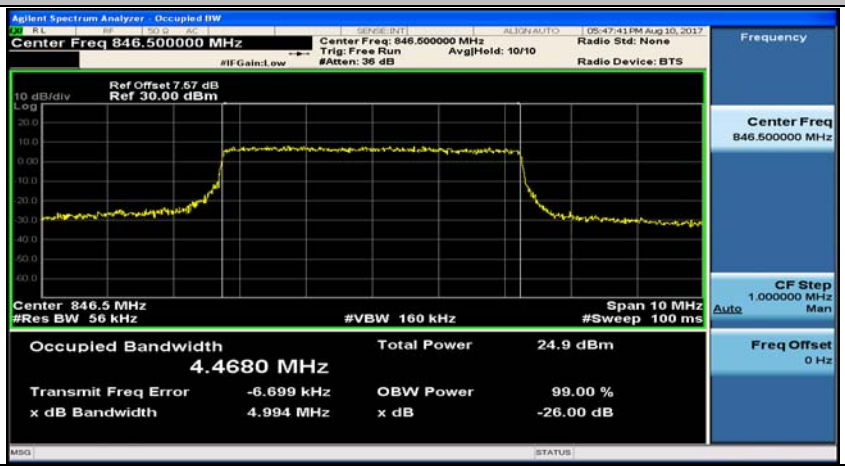
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



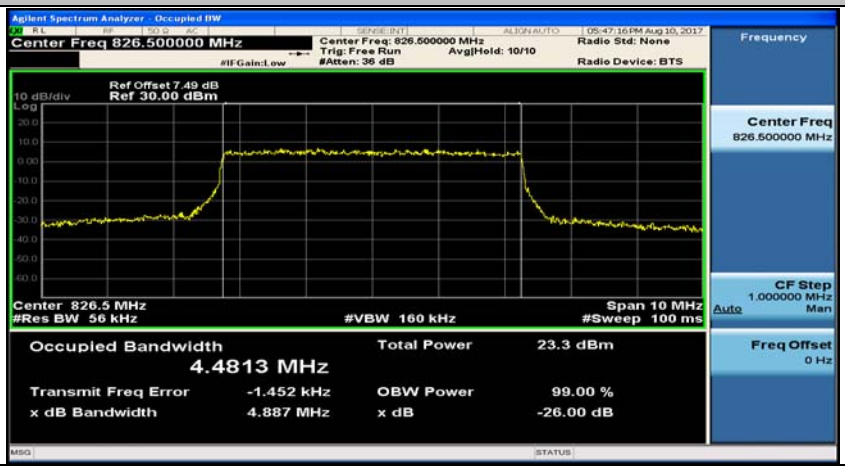
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



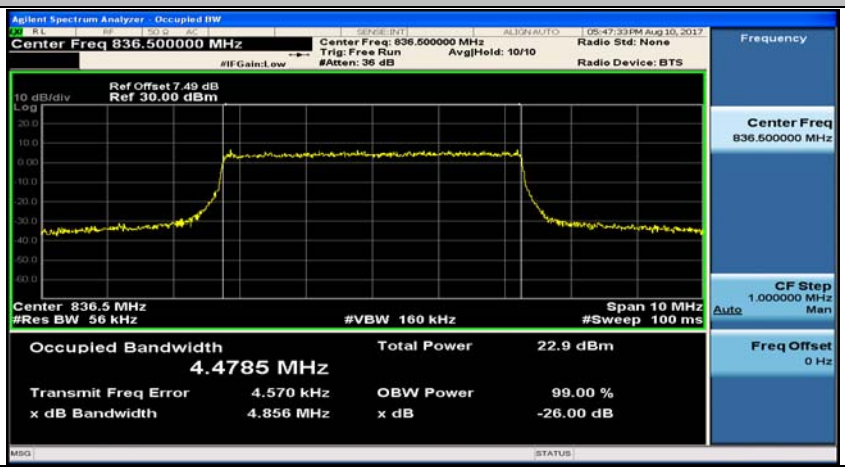
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



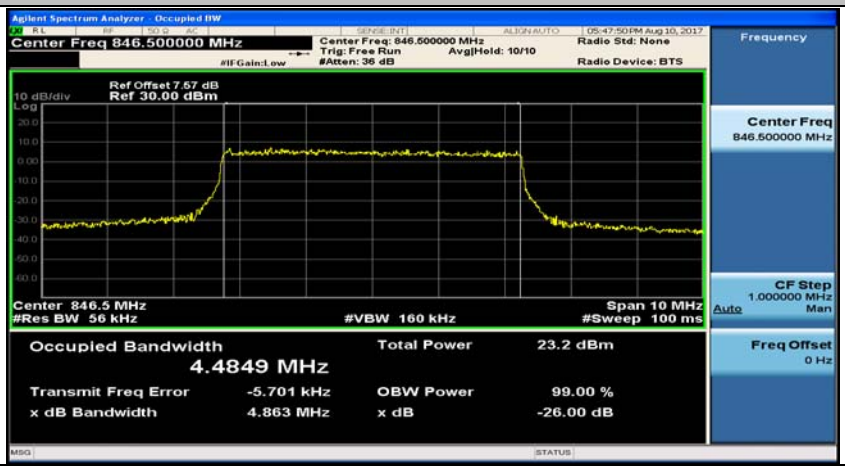
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

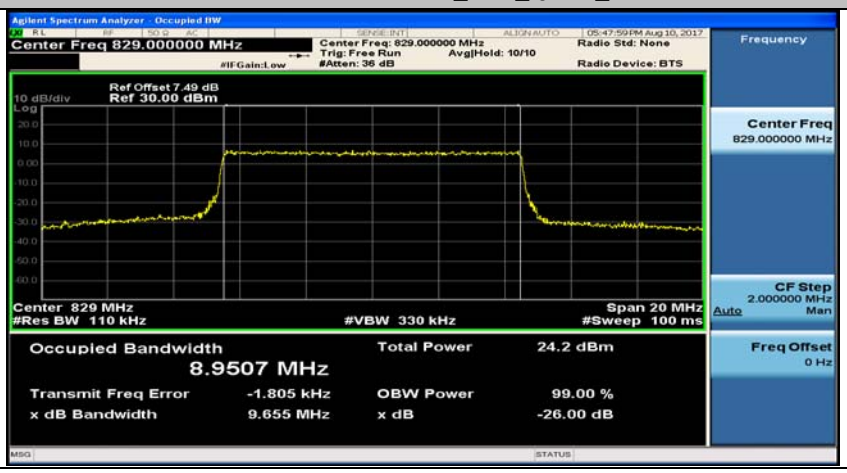


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

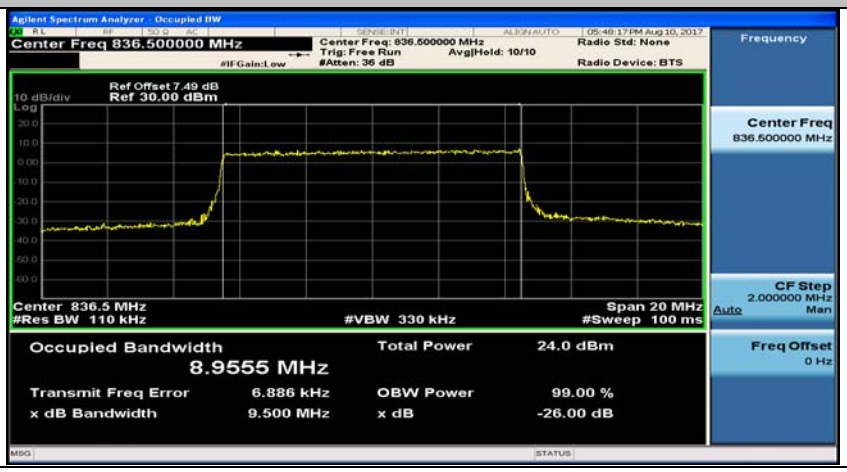


Channel Bandwidth: 10 MHz

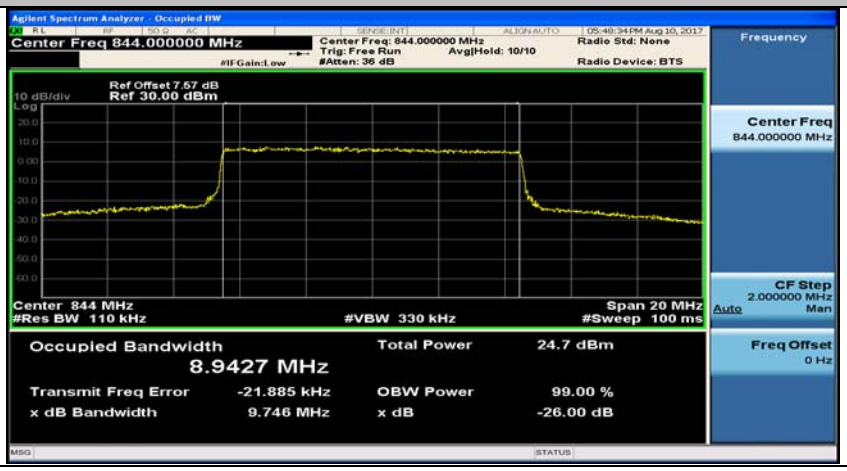
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



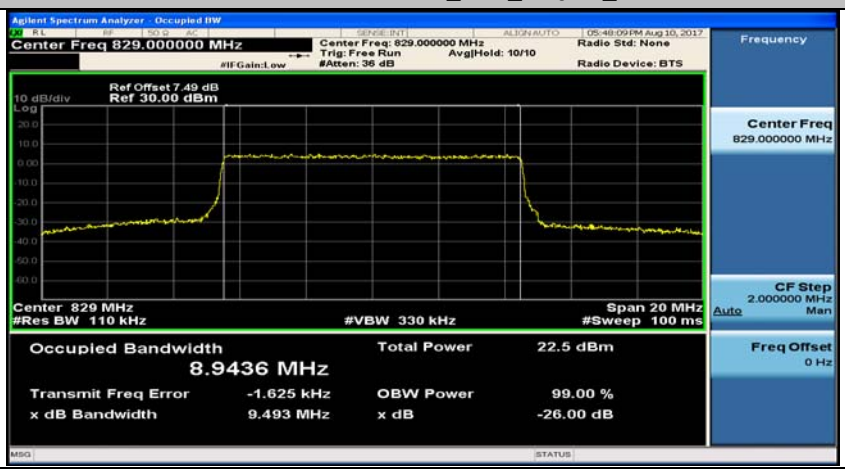
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



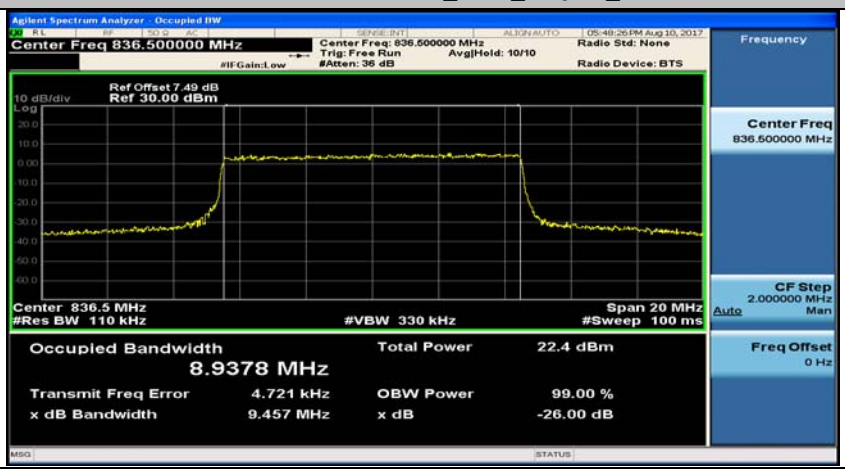
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



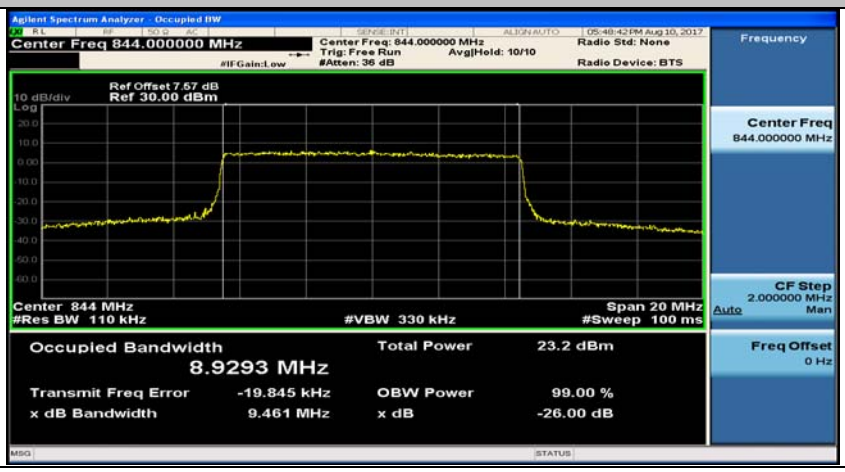
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



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Appendix D: Band Edge

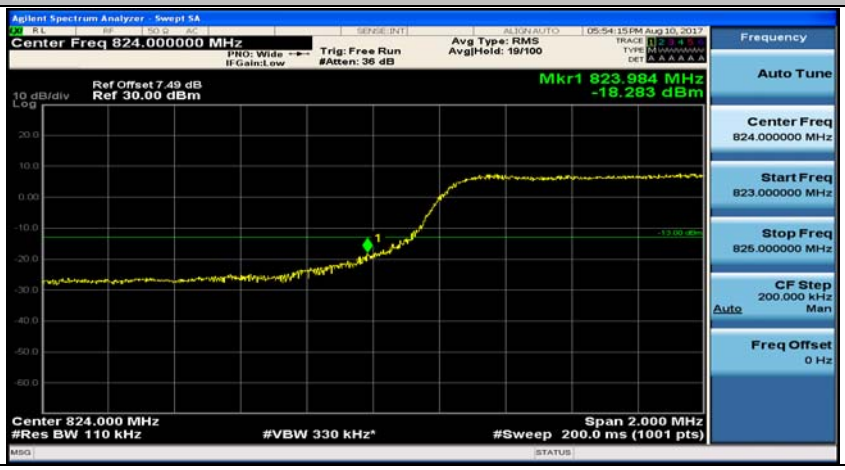
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

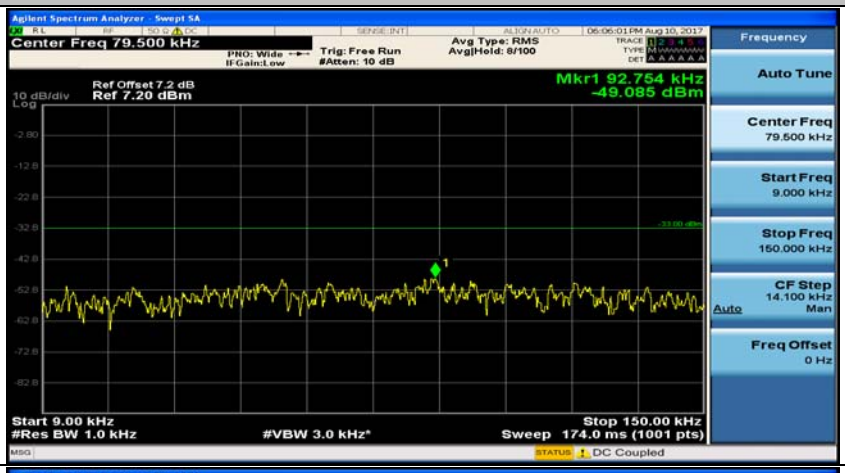
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

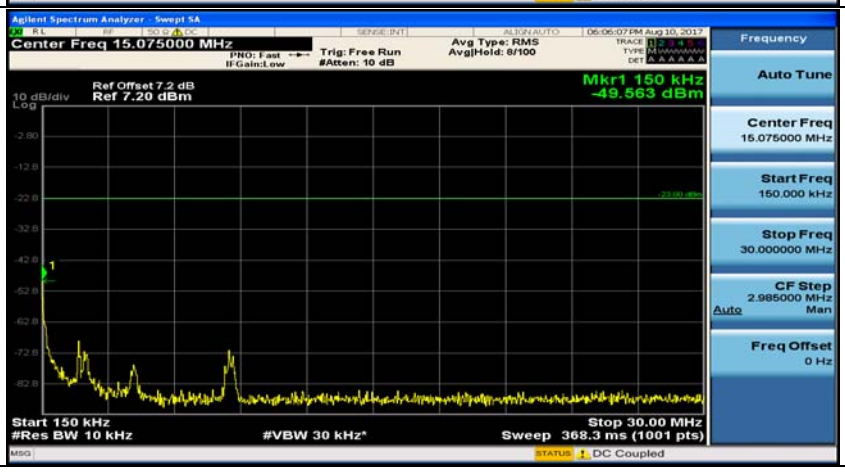
Appendix E: Conducted Spurious Emission

Test Graphs

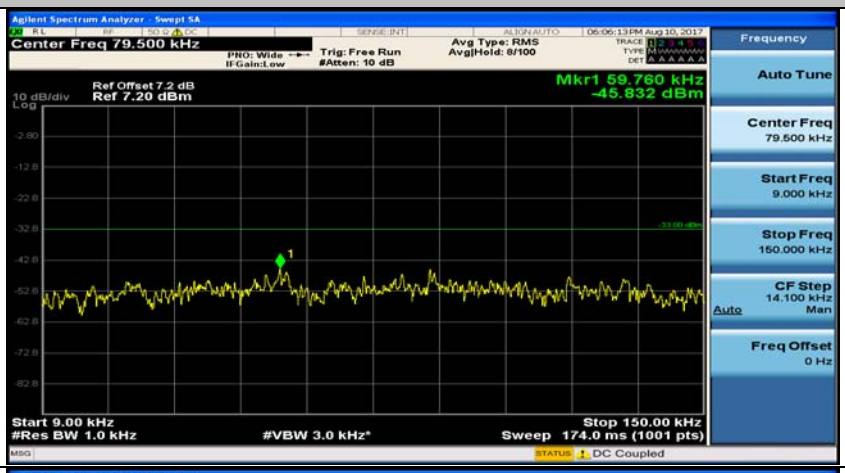
Channel Bandwidth: 5 MHz

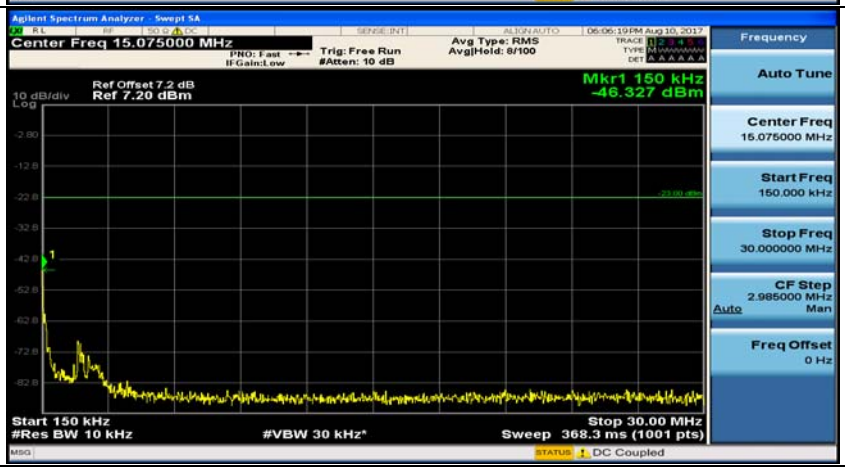
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0





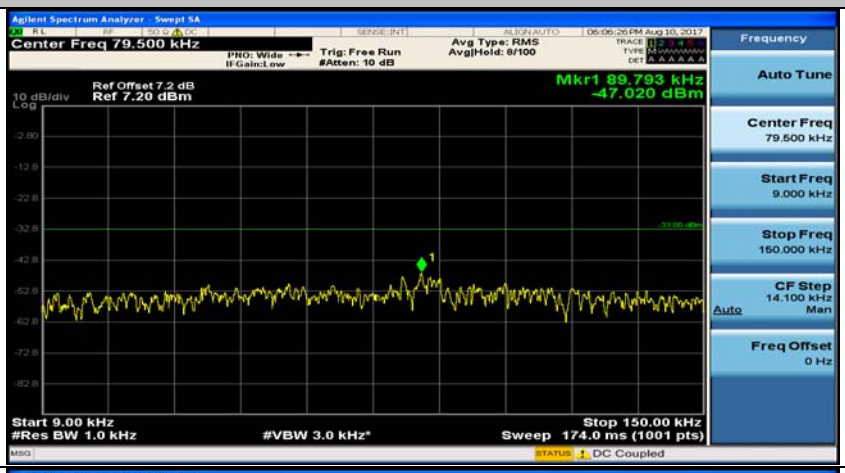
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

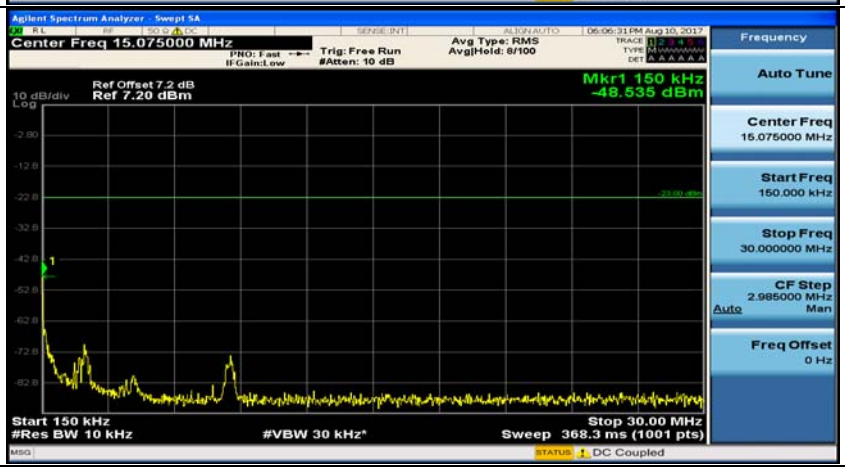




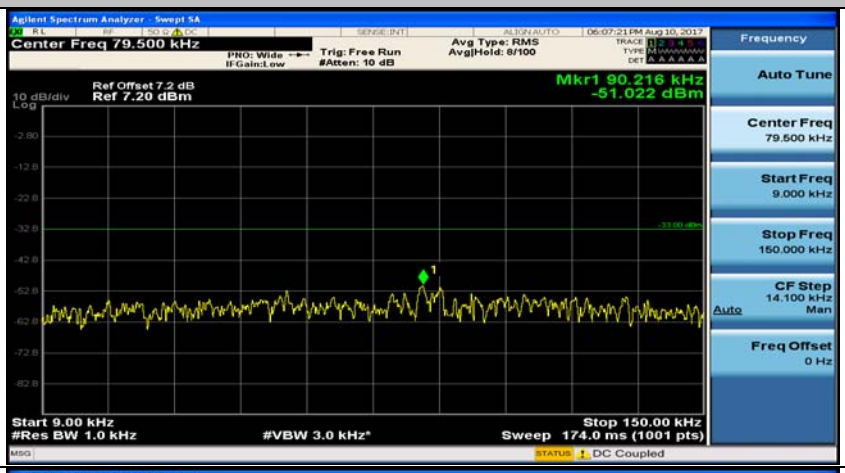
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

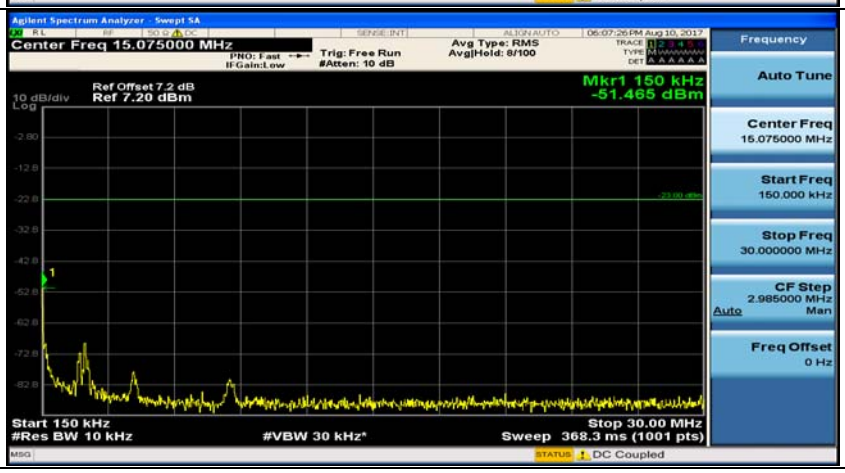
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



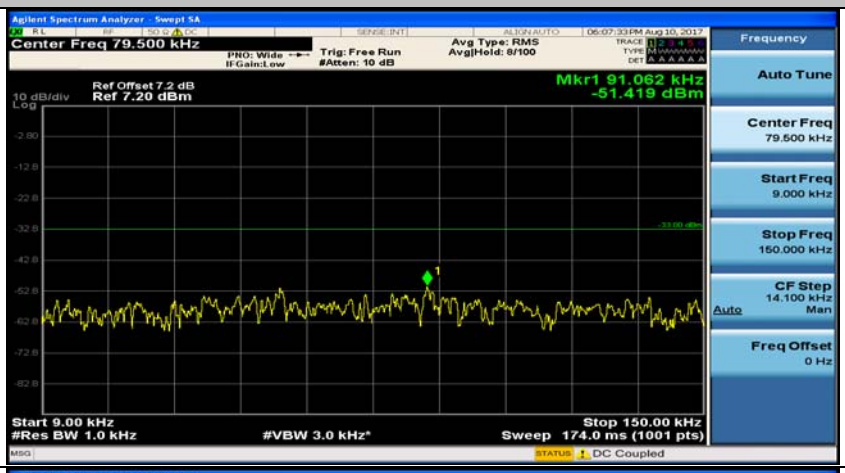


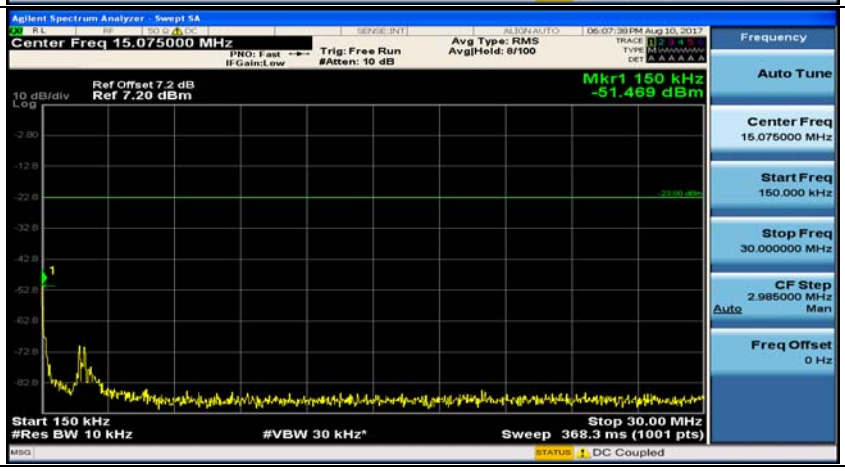
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



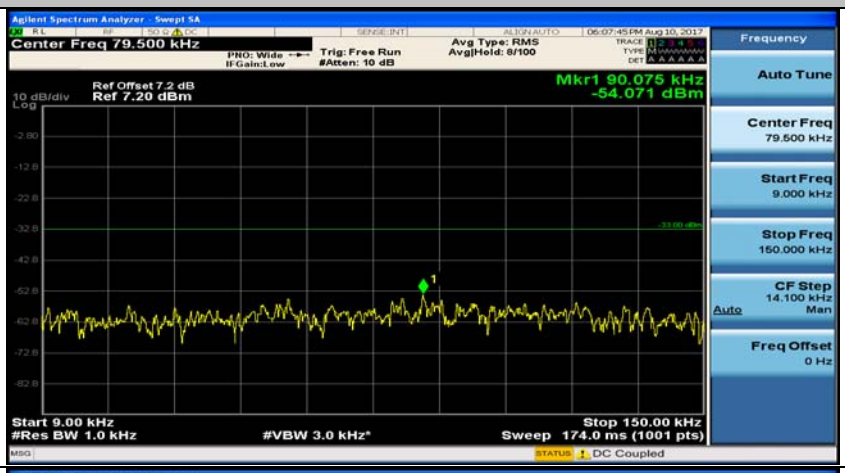


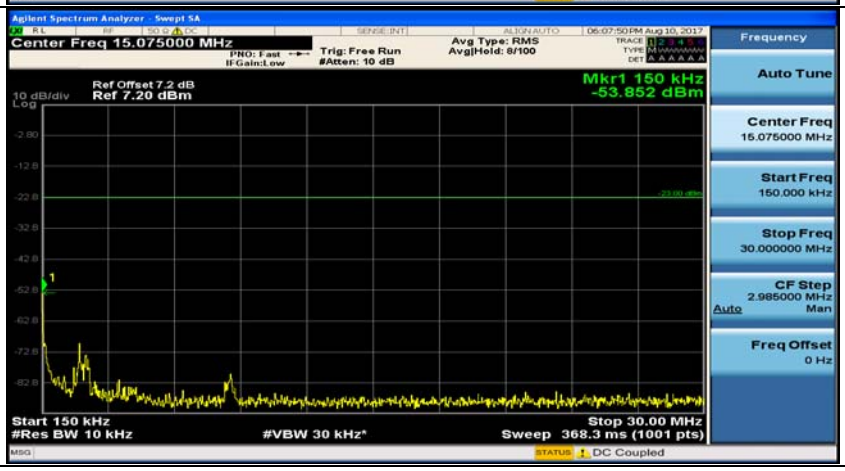
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12





(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24





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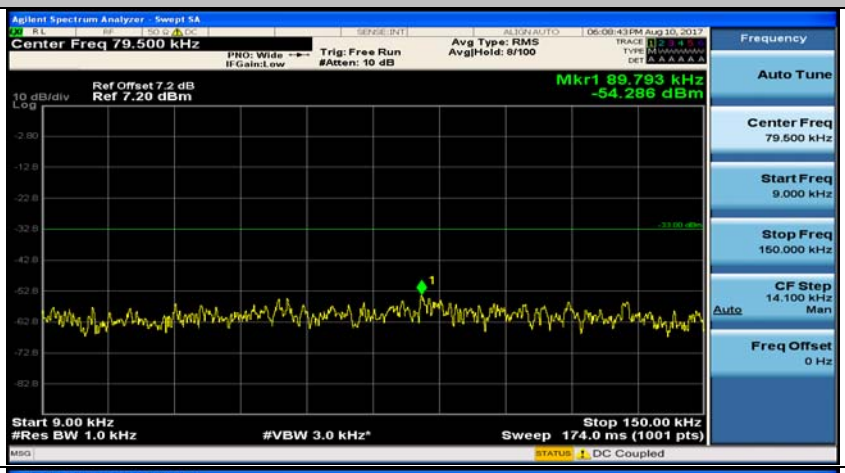
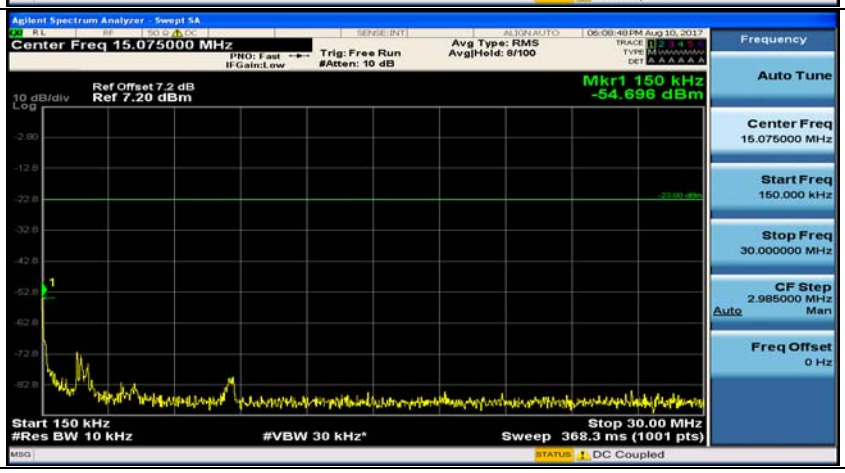
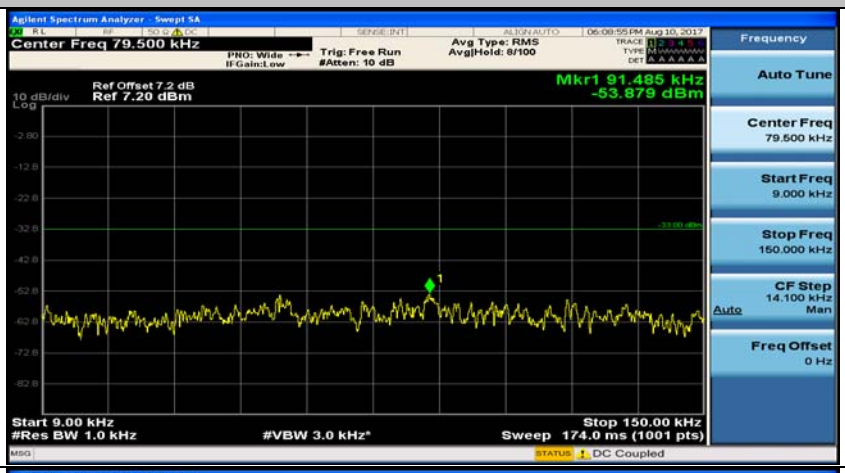
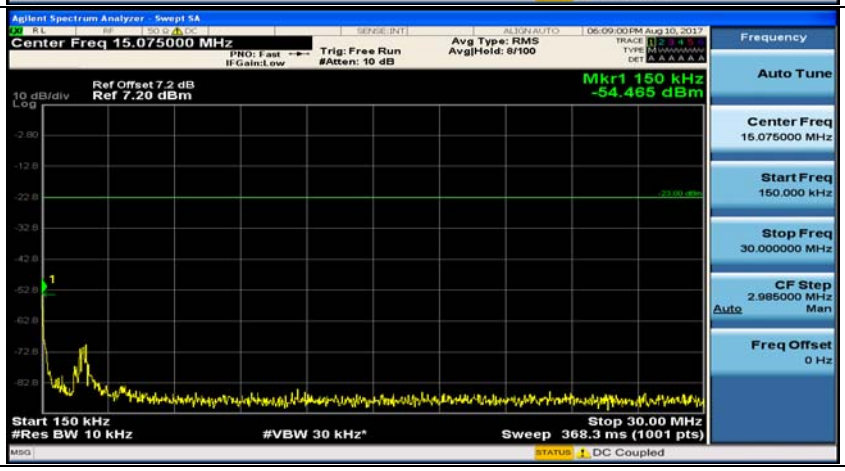
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0





(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12





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