Appendix III) LTE Band 5 Test data

Appendix A): Conducted Output Power and Effective (Isotropic) Radiated Power

Description of the Conducted Output Power Measurement and ERP/EIRP Measurement:	A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. According to KDB 412172 D01 Power Approach EIRP = P_T + G_T – L_C, ERP = EIRP - 2.15, where P_T = transmitter output power in dBm G_T = gain of the transmitting antenna in dBi L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB
Measurement Procedure:	1. The transmitter output port was connected to the system simulator. 2. Set EUT at maximum power through the system simulator. 3. Select lowest, middle, and highest channels for each band and different modulation. 4. Measure and record the power level from the system simulator.
Limit:	Mode: LTE band 5 Limit: 38.45dBm

Test Result

$G_T - L_C$= -6.81dB

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	ERP [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.52	15.71	PASS
		1	3	22.27	15.46	PASS
		1	5	22.46	15.65	PASS
		3	0	22.50	15.69	PASS
		3	2	22.49	15.68	PASS
		3	3	22.58	15.77	PASS
		6	0	21.60	14.79	PASS
	MCH	1	0	22.96	16.15	PASS
		1	3	22.98	16.17	PASS
		1	5	22.99	16.18	PASS
		3	0	23.12	16.31	PASS
		3	2	22.96	16.15	PASS
		3	3	22.95	16.14	PASS
		6	0	21.89	15.08	PASS
	HCH	1	0	22.92	16.11	PASS
		1	3	22.94	16.13	PASS
		1	5	22.88	16.07	PASS
		3	0	22.95	16.14	PASS
		3	2	22.95	16.14	PASS
		3	3	22.93	16.12	PASS
		6	0	21.87	15.06	PASS
16QAM	LCH	1	0	22.20	15.39	PASS
		1	3	22.05	15.24	PASS
		1	5	22.22	15.41	PASS
		3	0	22.62	15.81	PASS
		3	2	22.61	15.8	PASS
		3	3	22.52	15.71	PASS
		6	0	20.77	13.96	PASS
	MCH	1	0	22.16	15.35	PASS
		1	3	22.15	15.34	PASS
		1	5	22.22	15.41	PASS
		3	0	22.96	16.15	PASS
		3	2	23.05	16.24	PASS
		3	3	23.08	16.27	PASS

		6	0	21.07	14.26	PASS
	HCH	1	0	22.14	15.33	PASS
		1	3	22.23	15.42	PASS
		1	5	22.08	15.27	PASS
		3	0	22.93	16.12	PASS
		3	2	22.91	16.1	PASS
		3	3	23.00	16.19	PASS
		6	0	21.21	14.4	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	ERP [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.60	15.79	PASS
		1	7	22.66	15.85	PASS
		1	14	22.60	15.79	PASS
		8	0	21.55	14.74	PASS
		8	4	21.55	14.74	PASS
		8	7	21.55	14.74	PASS
		15	0	21.53	14.72	PASS
	MCH	1	0	22.86	16.05	PASS
		1	7	22.95	16.14	PASS
		1	14	22.88	16.07	PASS
		8	0	21.88	15.07	PASS
		8	4	21.88	15.07	PASS
		8	7	21.88	15.07	PASS
		15	0	21.90	15.09	PASS
	HCH	1	0	22.88	16.07	PASS
		1	7	23.05	16.24	PASS
		1	14	22.78	15.97	PASS
		8	0	21.91	15.1	PASS
		8	4	22.00	15.19	PASS
		8	7	21.91	15.1	PASS
		15	0	21.91	15.1	PASS
16QAM	LCH	1	0	21.34	14.53	PASS
		1	7	21.33	14.52	PASS
		1	14	21.54	14.73	PASS
		8	0	21.54	14.73	PASS
		8	4	21.54	14.73	PASS
		8	7	21.54	14.73	PASS
		15	0	20.63	13.82	PASS

	MCH	1	0	21.59	14.78	PASS
		1	7	21.58	14.77	PASS
		1	14	21.65	14.84	PASS
		8	0	21.89	15.08	PASS
		8	4	21.89	15.08	PASS
		8	7	21.89	15.08	PASS
		15	0	21.00	14.19	PASS
	HCH	1	0	22.09	15.28	PASS
		1	7	22.03	15.22	PASS
		1	14	21.91	15.1	PASS
		8	0	21.91	15.1	PASS
		8	4	21.91	15.1	PASS
		8	7	21.91	15.1	PASS
		15	0	21.02	14.21	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	ERP [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.50	15.69	PASS
		1	12	22.46	15.65	PASS
		1	24	22.59	15.78	PASS
		12	0	21.62	14.81	PASS
		12	6	21.61	14.8	PASS
		12	13	21.55	14.74	PASS
		25	0	21.58	14.77	PASS
	MCH	1	0	22.86	16.05	PASS
		1	12	22.87	16.06	PASS
		1	24	22.90	16.09	PASS
		12	0	21.95	15.14	PASS
		12	6	21.95	15.14	PASS
		12	13	21.91	15.1	PASS
		25	0	21.96	15.15	PASS
	HCH	1	0	23.01	16.2	PASS
		1	12	22.97	16.16	PASS
		1	24	22.82	16.01	PASS
		12	0	22.08	15.27	PASS
		12	6	22.06	15.25	PASS
		12	13	21.92	15.11	PASS
		25	0	21.86	15.05	PASS
16QAM	LCH	1	0	20.87	14.06	PASS

		1	12	20.88	14.07	PASS
		1	24	20.96	14.15	PASS
		12	0	21.60	14.79	PASS
		12	6	21.61	14.8	PASS
		12	13	21.55	14.74	PASS
		25	0	20.66	13.85	PASS
	MCH	1	0	21.14	14.33	PASS
		1	12	21.23	14.42	PASS
		1	24	21.21	14.4	PASS
		12	0	21.96	15.15	PASS
		12	6	21.95	15.14	PASS
		12	13	21.90	15.09	PASS
		25	0	21.06	14.25	PASS
	HCH	1	0	21.48	14.67	PASS
		1	12	21.46	14.65	PASS
		1	24	21.30	14.49	PASS
		12	0	22.04	15.23	PASS
		12	6	22.02	15.21	PASS
		12	13	21.90	15.09	PASS
		25	0	21.03	14.22	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	ERP [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.52	15.71	PASS
		1	24	22.58	15.77	PASS
		1	49	22.76	15.95	PASS
		25	0	21.59	14.78	PASS
		25	12	21.57	14.76	PASS
		25	25	21.77	14.96	PASS
		50	0	21.74	14.93	PASS
	MCH	1	0	22.72	15.91	PASS
		1	24	22.86	16.05	PASS
		1	49	22.95	16.14	PASS
		25	0	21.97	15.16	PASS
		25	12	21.98	15.17	PASS
		25	25	21.96	15.15	PASS
		50	0	21.87	15.06	PASS
	HCH	1	0	22.96	16.15	PASS
		1	24	23.07	16.26	PASS

		1	49	22.77	15.96	PASS
		25	0	21.99	15.18	PASS
		25	12	22.00	15.19	PASS
		25	25	22.00	15.19	PASS
		50	0	22.05	15.24	PASS
16QAM	LCH	1	0	21.24	14.43	PASS
		1	24	21.36	14.55	PASS
		1	49	21.54	14.73	PASS
		25	0	21.60	14.79	PASS
		25	12	21.56	14.75	PASS
		25	25	21.82	15.01	PASS
		50	0	20.76	13.95	PASS
	MCH	1	0	21.76	14.95	PASS
		1	24	21.93	15.12	PASS
		1	49	21.81	15	PASS
		25	0	21.99	15.18	PASS
		25	12	21.99	15.18	PASS
		25	25	21.96	15.15	PASS
		50	0	20.85	14.04	PASS
	HCH	1	0	21.95	15.14	PASS
		1	24	21.95	15.14	PASS
		1	49	21.84	15.03	PASS
		25	0	21.95	15.14	PASS
		25	12	21.99	15.18	PASS
		25	25	21.92	15.11	PASS
		50	0	20.90	14.09	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	6.07	<13	PASS
		1	3	6.27	<13	PASS
		1	5	6.16	<13	PASS
		3	0	6.25	<13	PASS
		3	2	6.14	<13	PASS
		3	3	6.33	<13	PASS
		6	0	6.12	<13	PASS
	MCH	1	0	2.1	<13	PASS
		1	3	8.41	<13	PASS
		1	5	2.49	<13	PASS
		3	0	2.36	<13	PASS
		3	2	3.32	<13	PASS
		3	3	2.77	<13	PASS
		6	0	3.44	<13	PASS
	HCH	1	0	3.26	<13	PASS
		1	3	4.58	<13	PASS
		1	5	2.96	<13	PASS
		3	0	3.28	<13	PASS
		3	2	8.39	<13	PASS
		3	3	3.14	<13	PASS
		6	0	3.98	<13	PASS
16QAM	LCH	1	0	6.99	<13	PASS
		1	3	6.92	<13	PASS
		1	5	6.81	<13	PASS
		3	0	8.39	<13	PASS
		3	2	6.27	<13	PASS
		3	3	6.32	<13	PASS
		6	0	6.87	<13	PASS
	MCH	1	0	3.39	<13	PASS
		1	3	3.51	<13	PASS
		1	5	3.63	<13	PASS
		3	0	2.5	<13	PASS

		3	2	2.49	<13	PASS
		3	3	2.69	<13	PASS
		6	0	4.48	<13	PASS
	HCH	1	0	4.45	<13	PASS
		1	3	4.36	<13	PASS
		1	5	4.13	<13	PASS
		3	0	3.29	<13	PASS
		3	2	8.41	<13	PASS
		3	3	3.13	<13	PASS
		6	0	4.8	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	6.15	<13	PASS
		1	7	7.62	<13	PASS
		1	14	5.99	<13	PASS
		8	0	6.01	<13	PASS
		8	4	5.97	<13	PASS
		8	7	8.51	<13	PASS
		15	0	5.92	<13	PASS
	MCH	1	0	2.68	<13	PASS
		1	7	8.47	<13	PASS
		1	14	3.67	<13	PASS
		8	0	8.47	<13	PASS
		8	4	4.29	<13	PASS
		8	7	4.27	<13	PASS
		15	0	4.37	<13	PASS
	HCH	1	0	8.35	<13	PASS
		1	7	3.77	<13	PASS
		1	14	3.31	<13	PASS
		8	0	4.6	<13	PASS
		8	4	8.46	<13	PASS
		8	7	4.59	<13	PASS
		15	0	4.58	<13	PASS
16QAM	LCH	1	0	6.99	<13	PASS
		1	7	6.78	<13	PASS
		1	14	6.6	<13	PASS
		8	0	6.04	<13	PASS

		8	4	6.06	<13	PASS
		8	7	5.96	<13	PASS
		15	0	6.88	<13	PASS
	MCH	1	0	3.79	<13	PASS
		1	7	4.01	<13	PASS
		1	14	4.38	<13	PASS
		8	0	4.26	<13	PASS
		8	4	4.25	<13	PASS
		8	7	8.39	<13	PASS
		15	0	5.19	<13	PASS
	HCH	1	0	5.37	<13	PASS
		1	7	4.6	<13	PASS
		1	14	4.19	<13	PASS
		8	0	4.6	<13	PASS
		8	4	4.56	<13	PASS
		8	7	6.73	<13	PASS
		15	0	5.42	<13	PASS

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	6.31	<13	PASS
		1	12	6.12	<13	PASS
		1	24	5.33	<13	PASS
		12	0	6.08	<13	PASS
		12	6	6.03	<13	PASS
		12	13	5.54	<13	PASS
		25	0	5.93	<13	PASS
	MCH	1	0	12.7	<13	PASS
		1	12	3.14	<13	PASS
		1	24	4.47	<13	PASS
		12	0	3.96	<13	PASS
		12	6	3.96	<13	PASS
		12	13	4.71	<13	PASS
		25	0	4.97	<13	PASS
	HCH	1	0	5.69	<13	PASS
		1	12	4.48	<13	PASS
		1	24	3.28	<13	PASS
		12	0	6.15	<13	PASS

		12	6	5.13	<13	PASS
		12	13	4.41	<13	PASS
		25	0	5.13	<13	PASS
16QAM	LCH	1	0	6.87	<13	PASS
		1	12	6.62	<13	PASS
		1	24	6.26	<13	PASS
		12	0	6.01	<13	PASS
		12	6	8.41	<13	PASS
		12	13	5.57	<13	PASS
		25	0	6.6	<13	PASS
	MCH	1	0	3.95	<13	PASS
		1	12	4.08	<13	PASS
		1	24	5.28	<13	PASS
		12	0	3.96	<13	PASS
		12	6	4	<13	PASS
		12	13	4.75	<13	PASS
		25	0	5.76	<13	PASS
	HCH	1	0	6.21	<13	PASS
		1	12	5.07	<13	PASS
		1	24	4.44	<13	PASS
		12	0	5.14	<13	PASS
		12	6	5.11	<13	PASS
		12	13	4.52	<13	PASS
		25	0	5.81	<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	6.09	<13	PASS
		1	24	4.95	<13	PASS
		1	49	8.48	<13	PASS
		25	0	5.46	<13	PASS
		25	12	5.4	<13	PASS
		25	25	8.45	<13	PASS
		50	0	4.94	<13	PASS
	MCH	1	0	8.41	<13	PASS
		1	24	3.29	<13	PASS
		1	49	6	<13	PASS
		25	0	4.52	<13	PASS

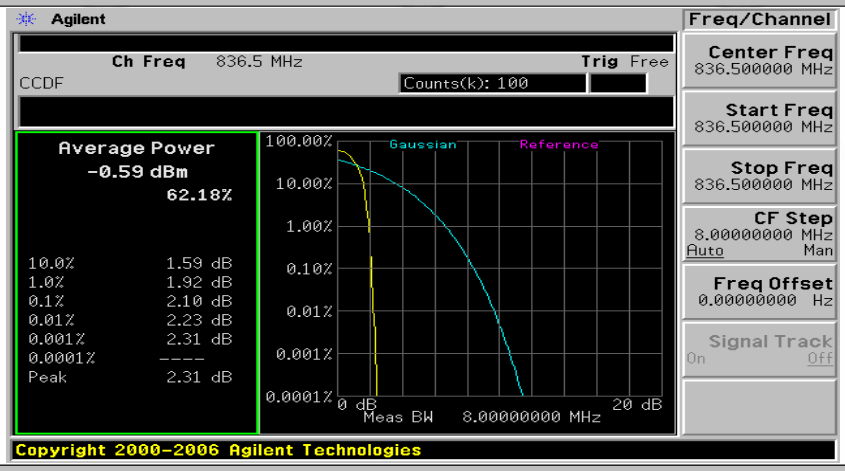
		25	12	4.54	<13	PASS
		25	25	5.38	<13	PASS
		50	0	5.04	<13	PASS
	HCH	1	0	5.6	<13	PASS
		1	24	8.51	<13	PASS
		1	49	3.74	<13	PASS
		25	0	5.62	<13	PASS
		25	12	5.63	<13	PASS
		25	25	5.16	<13	PASS
		50	0	5.16	<13	PASS
16QAM	LCH	1	0	6.94	<13	PASS
		1	24	5.89	<13	PASS
		1	49	4.47	<13	PASS
		25	0	5.46	<13	PASS
		25	12	5.48	<13	PASS
		25	25	4.42	<13	PASS
		50	0	6.17	<13	PASS
	MCH	1	0	5.05	<13	PASS
		1	24	4.23	<13	PASS
		1	49	6.62	<13	PASS
		25	0	4.48	<13	PASS
		25	12	4.52	<13	PASS
		25	25	5.4	<13	PASS
		50	0	6.15	<13	PASS
	HCH	1	0	6.48	<13	PASS
		1	24	6.38	<13	PASS
		1	49	4.59	<13	PASS
		25	0	5.67	<13	PASS
		25	12	5.61	<13	PASS
		25	25	4.74	<13	PASS
		50	0	6.34	<13	PASS

Test Graphs

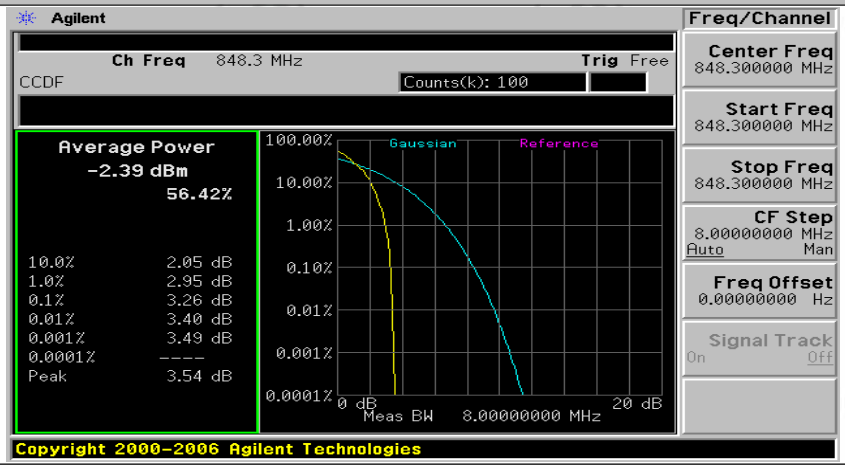
Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

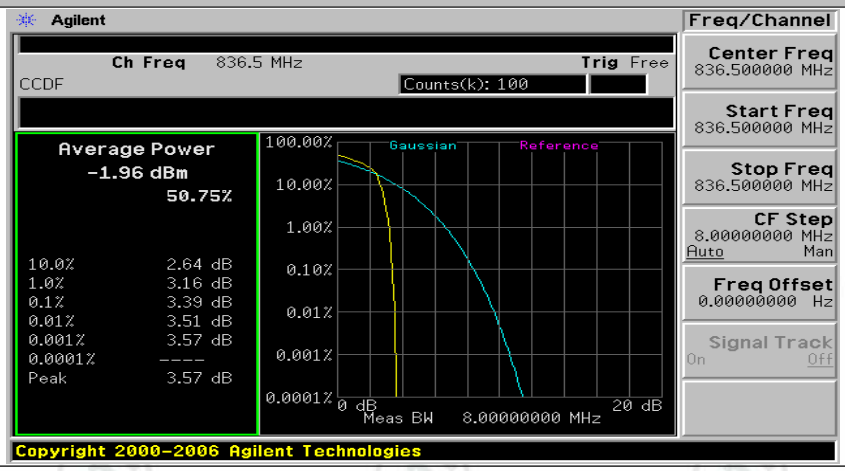


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

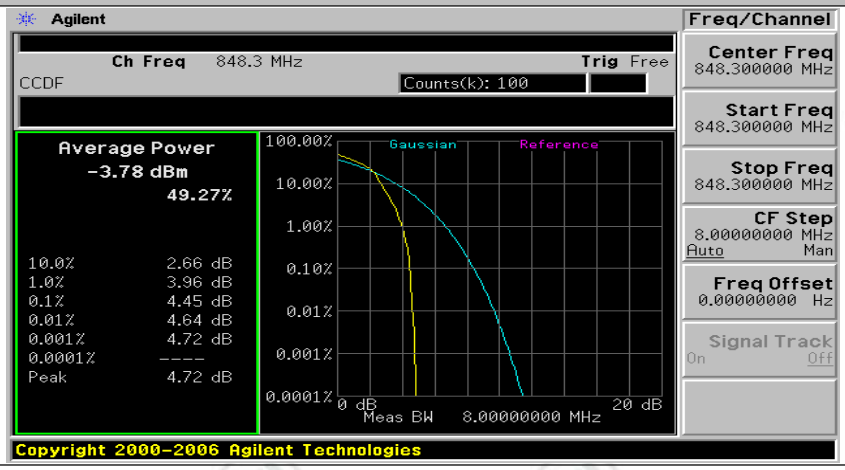


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

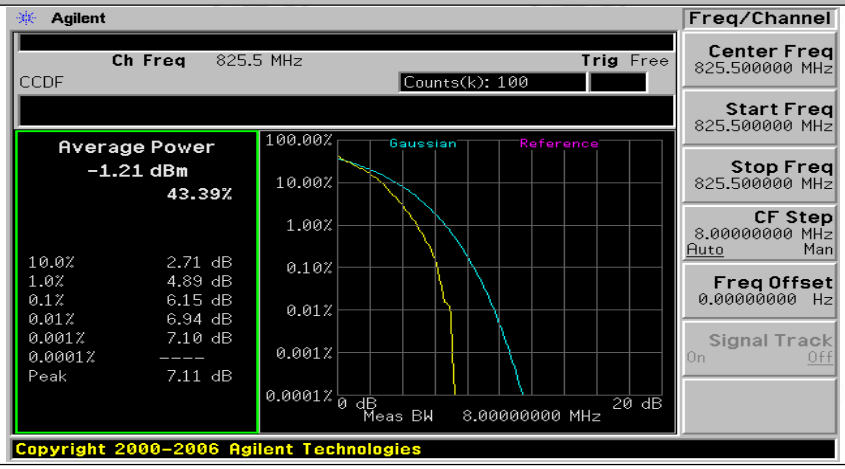


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

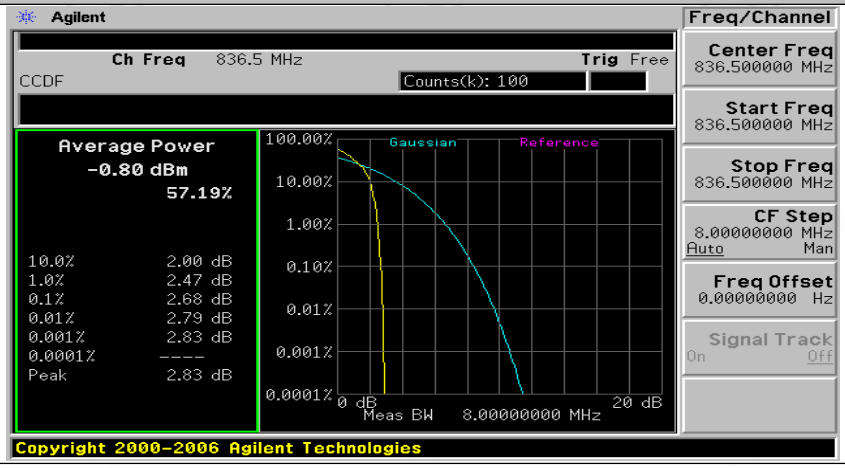


Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



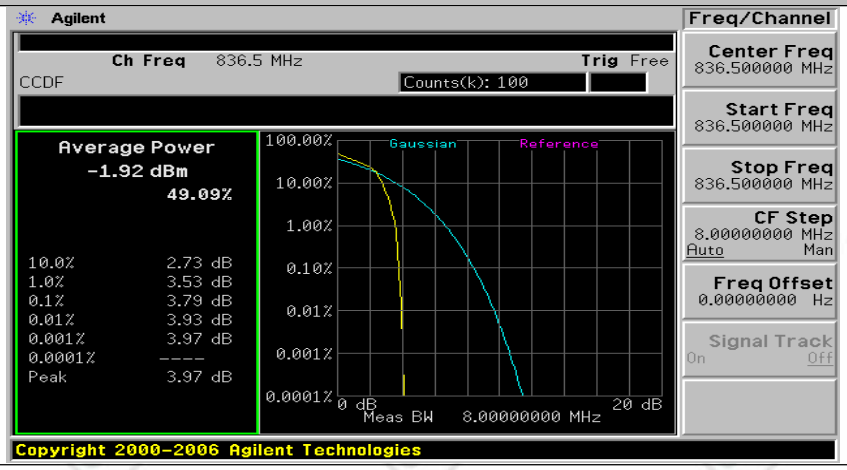
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



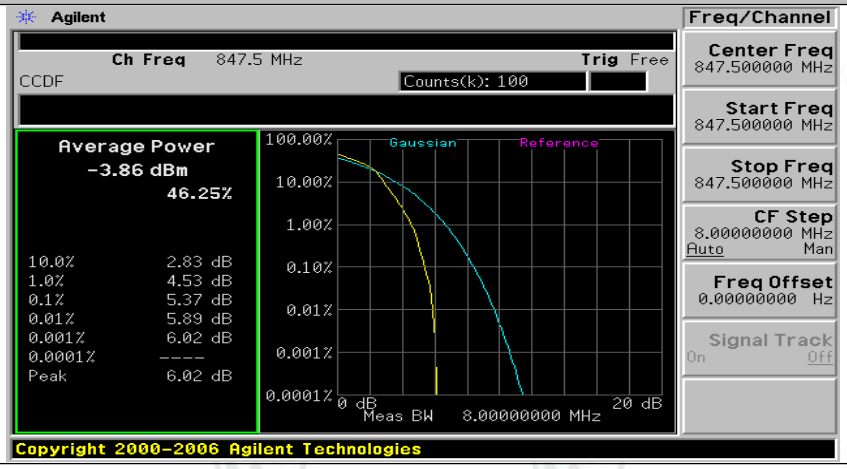
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

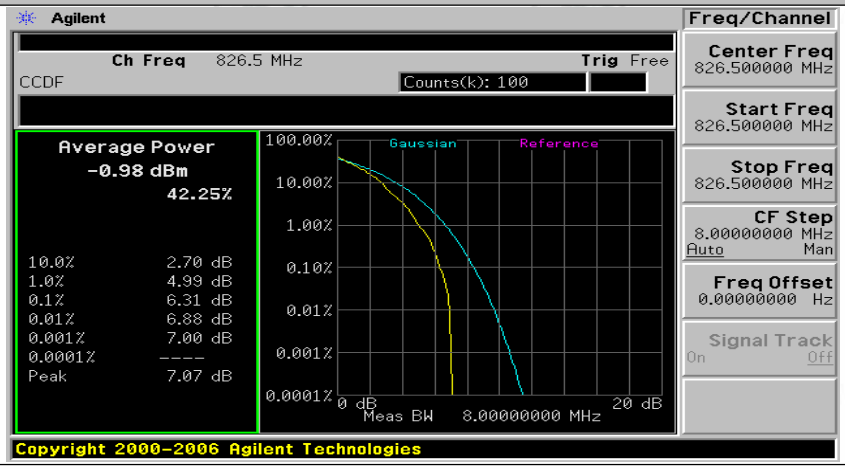


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



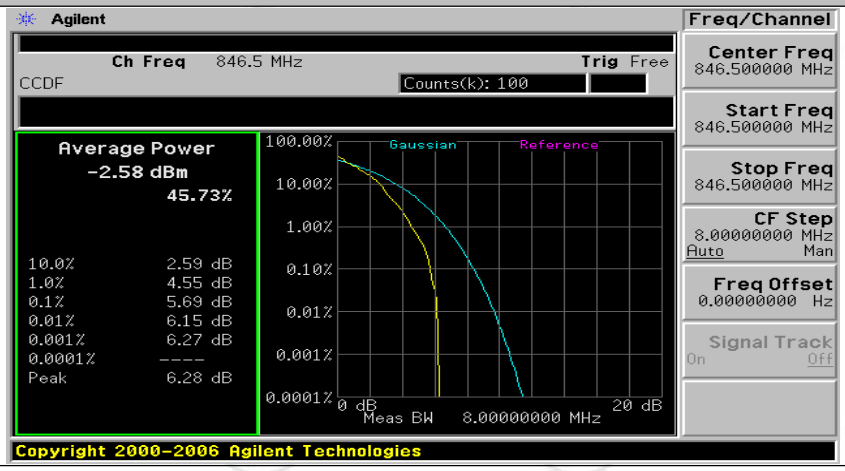
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



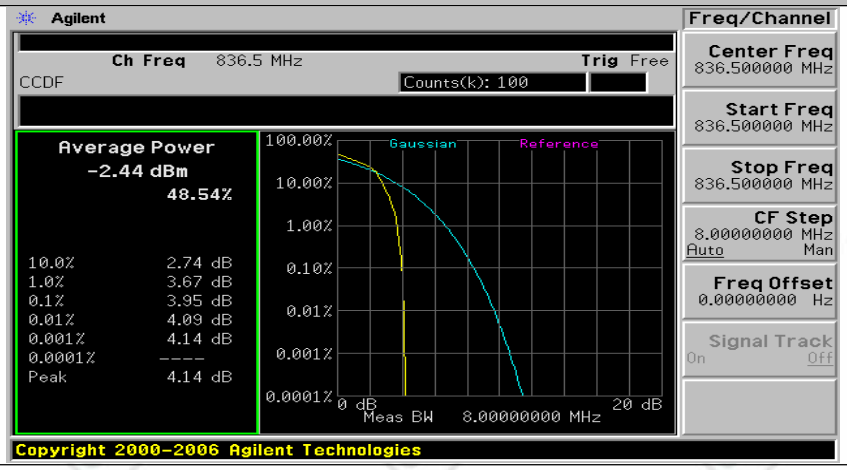
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

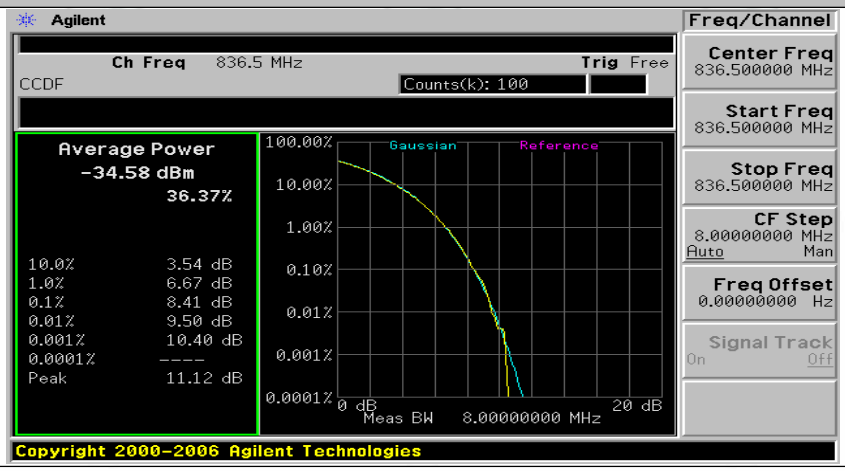


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

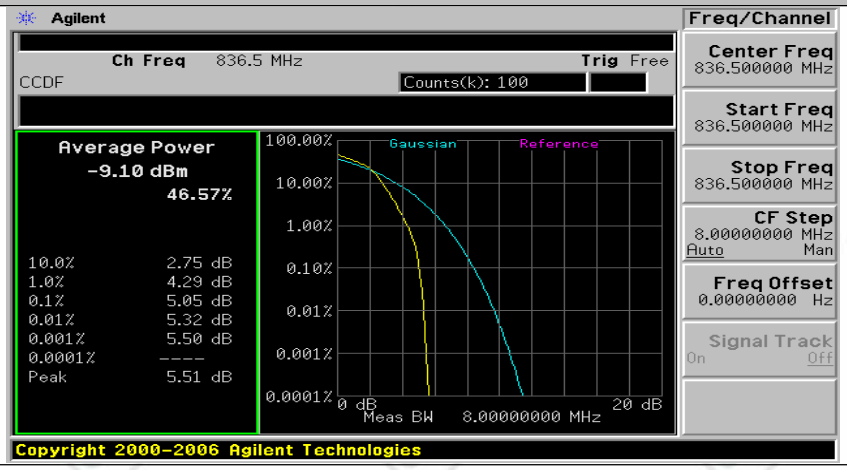
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0793	1.265	PASS
	MCH	6	0	1.0789	1.235	PASS
	HCH	6	0	1.0765	1.250	PASS
16QAM	LCH	6	0	1.0839	1.229	PASS
	MCH	6	0	1.0828	1.229	PASS
	HCH	6	0	1.0851	1.228	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6874	3.022	PASS
	MCH	15	0	2.6825	2.992	PASS
	HCH	15	0	2.6811	2.961	PASS
16QAM	LCH	15	0	2.6850	3.049	PASS
	MCH	15	0	2.6799	3.010	PASS
	HCH	15	0	2.6748	3.008	PASS

Channel Bandwidth: 5 MHz

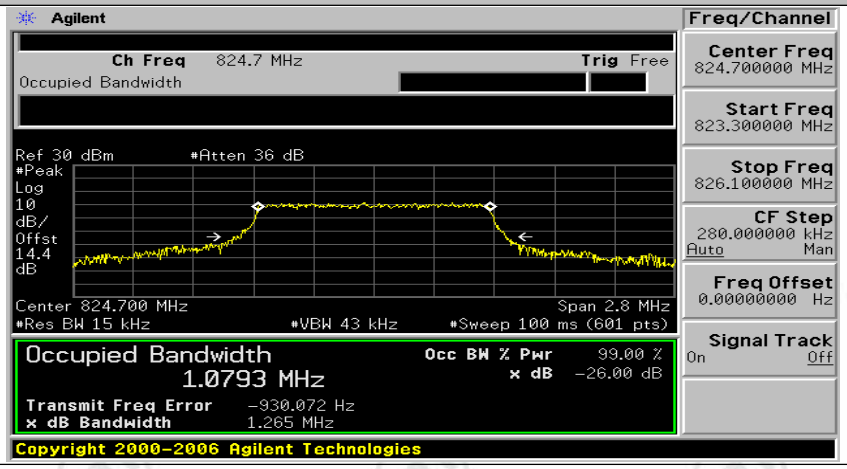
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4786	5.094	PASS
	MCH	25	0	4.4727	5.058	PASS
	HCH	25	0	4.4815	5.058	PASS
16QAM	LCH	25	0	4.4768	4.999	PASS
	MCH	25	0	4.4753	4.995	PASS
	HCH	25	0	4.4733	4.837	PASS

Channel Bandwidth: 10 MHz

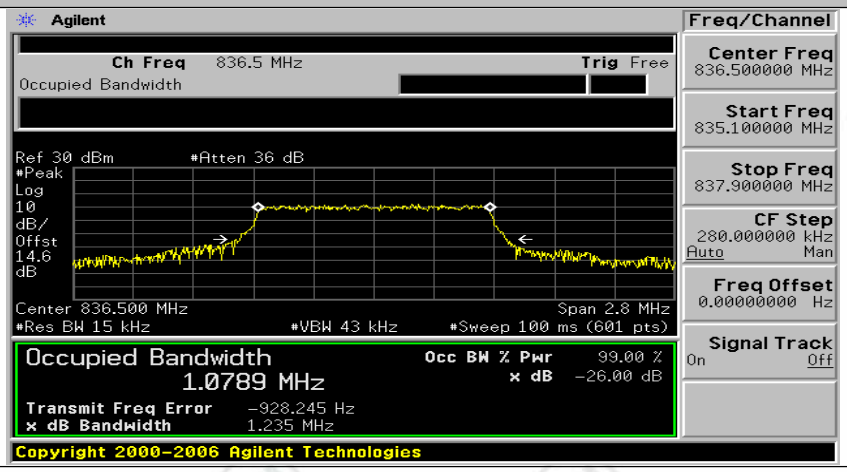
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9556	9.739	PASS
	MCH	50	0	8.9226	9.788	PASS
	HCH	50	0	8.9543	9.817	PASS
16QAM	LCH	50	0	8.9434	9.913	PASS
	MCH	50	0	8.9175	9.694	PASS
	HCH	50	0	8.9284	9.753	PASS

Test Graphs
Channel Bandwidth: 1.4 MHz

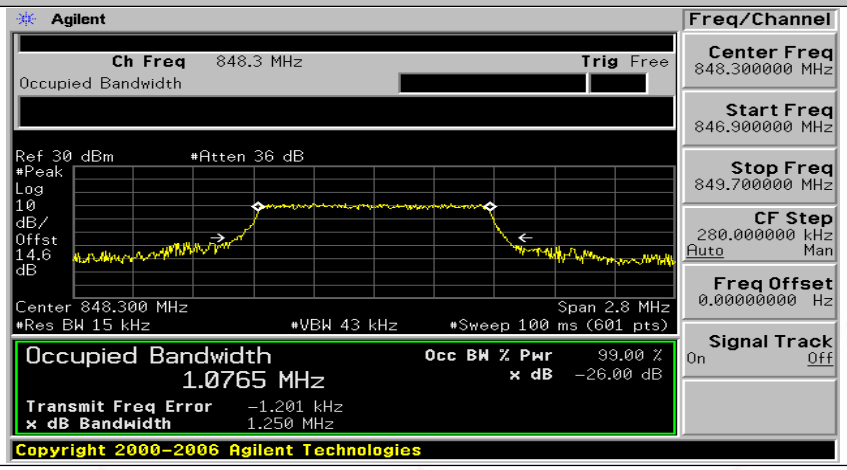
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



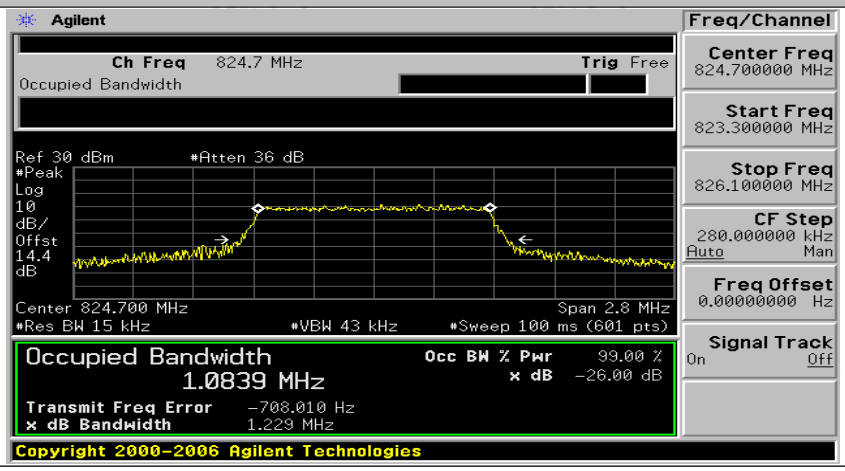
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



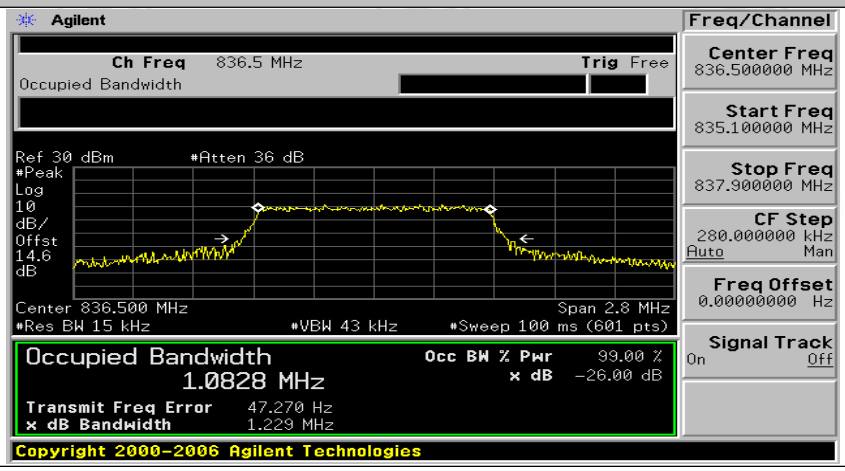
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



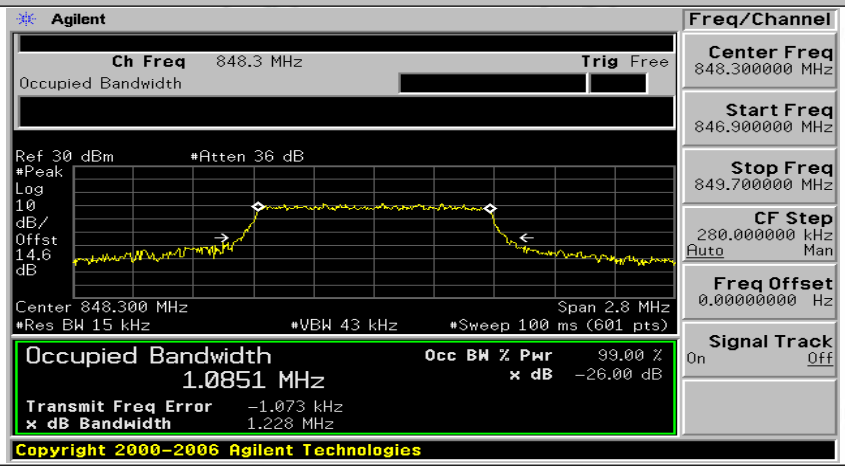
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

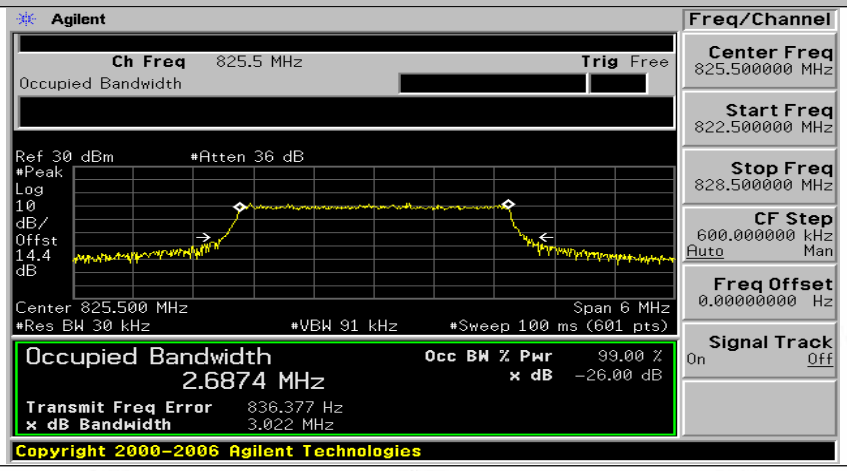


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

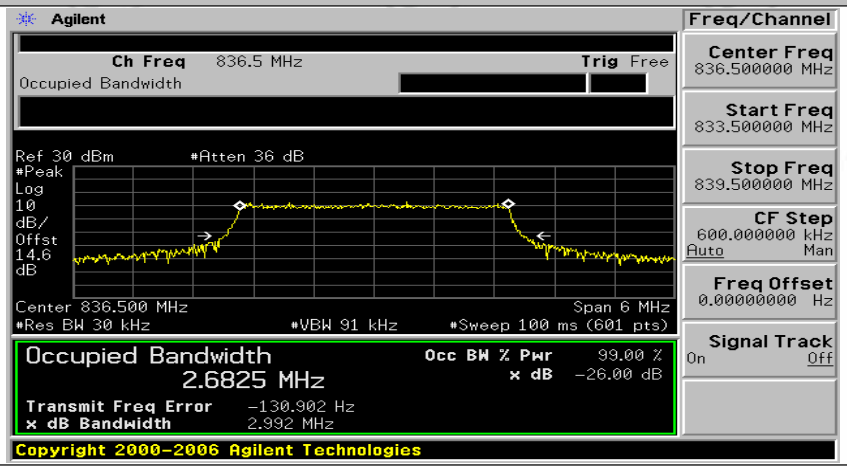


Channel Bandwidth: 3 MHz

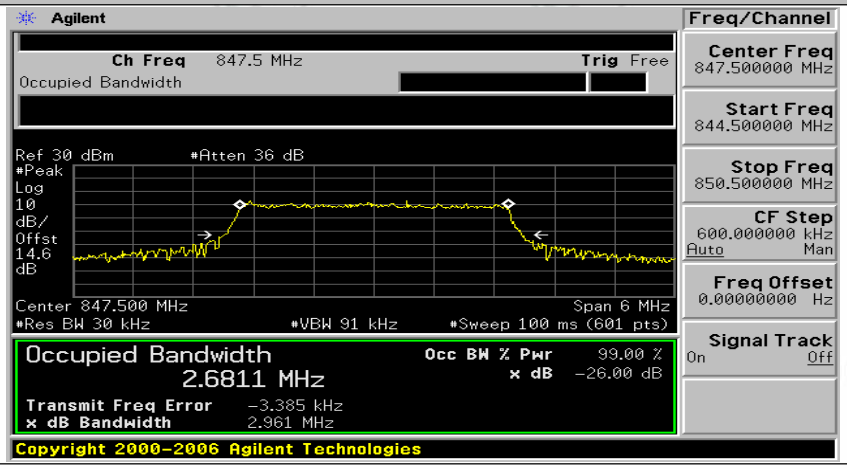
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



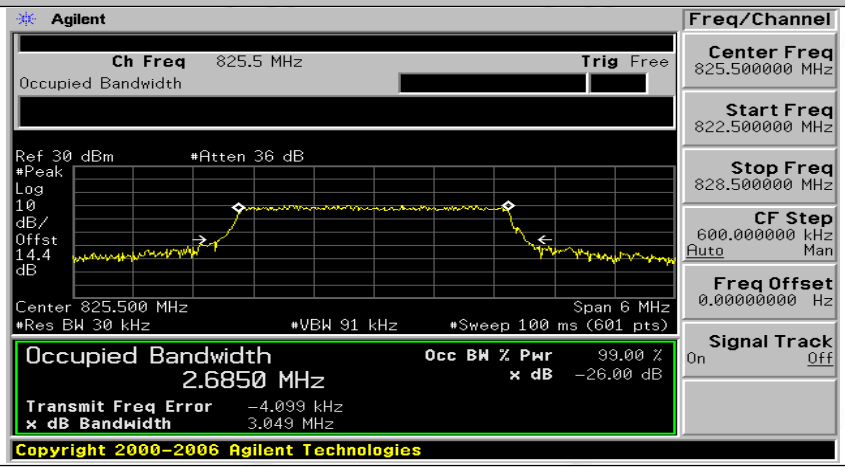
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



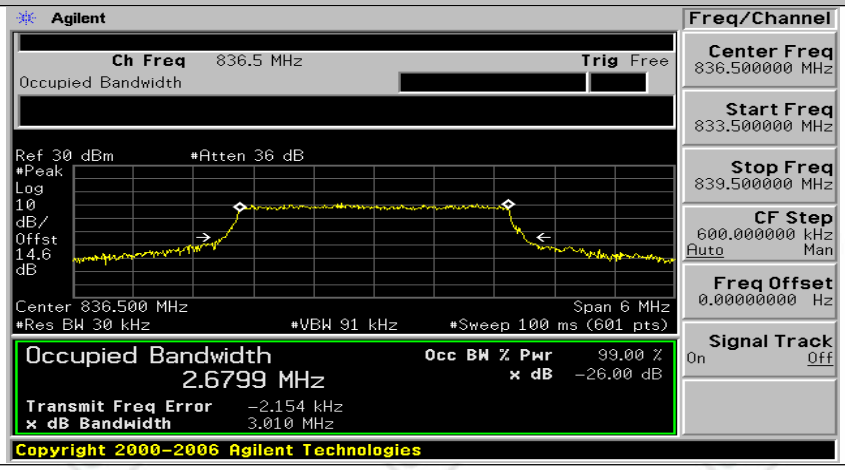
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



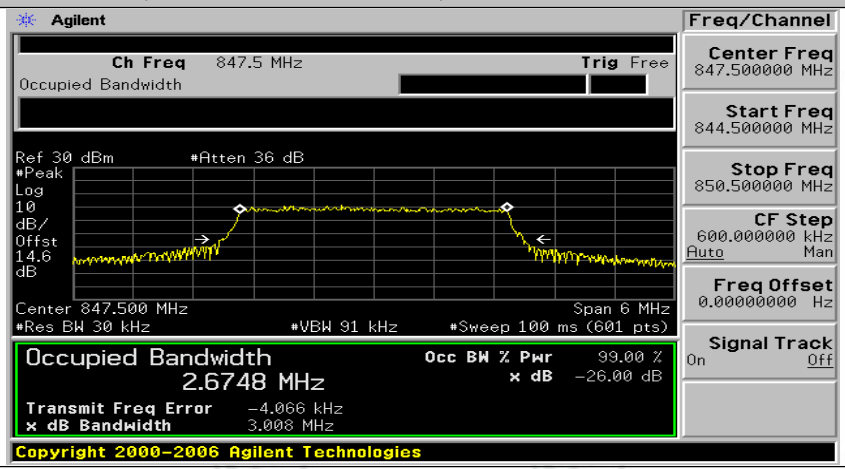
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

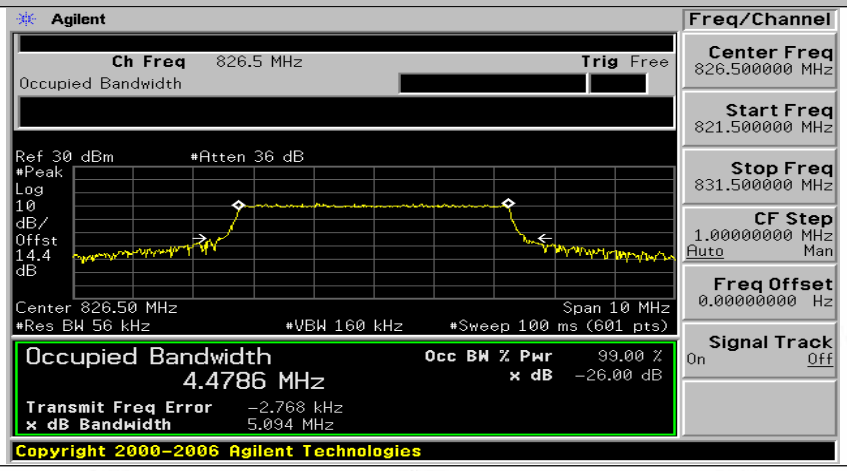


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

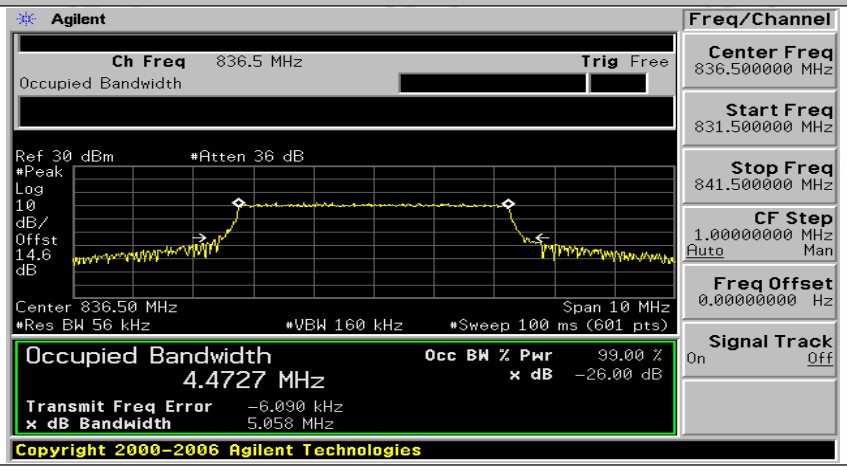


Channel Bandwidth: 5 MHz

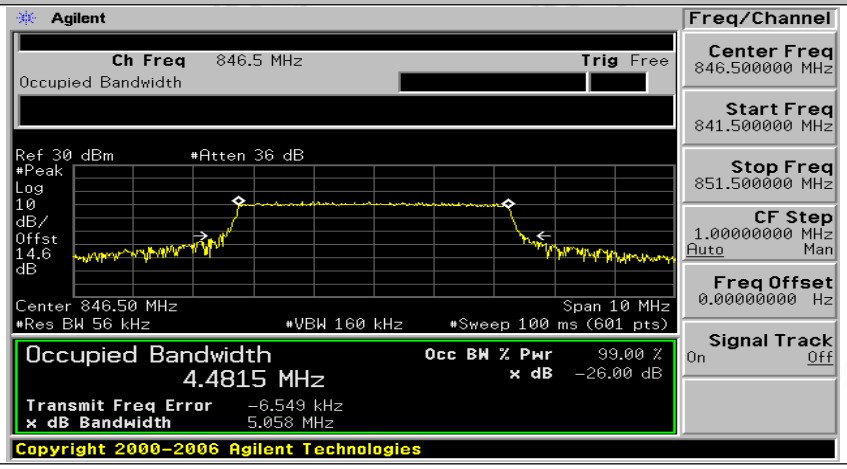
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



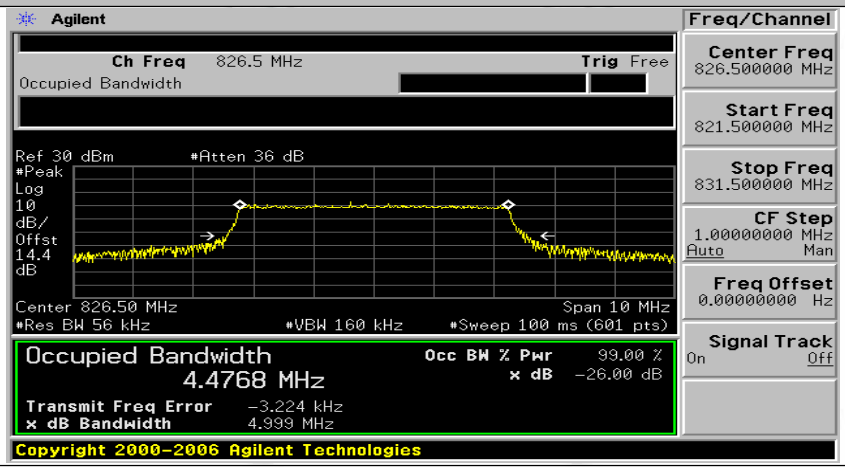
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



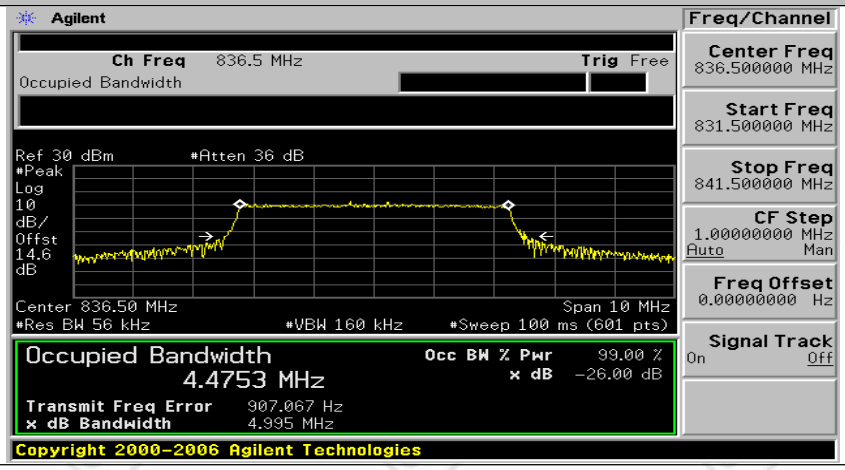
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



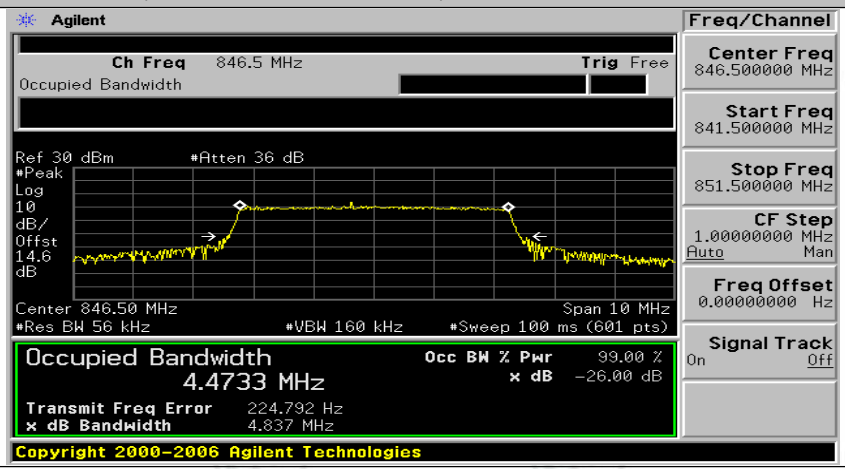
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

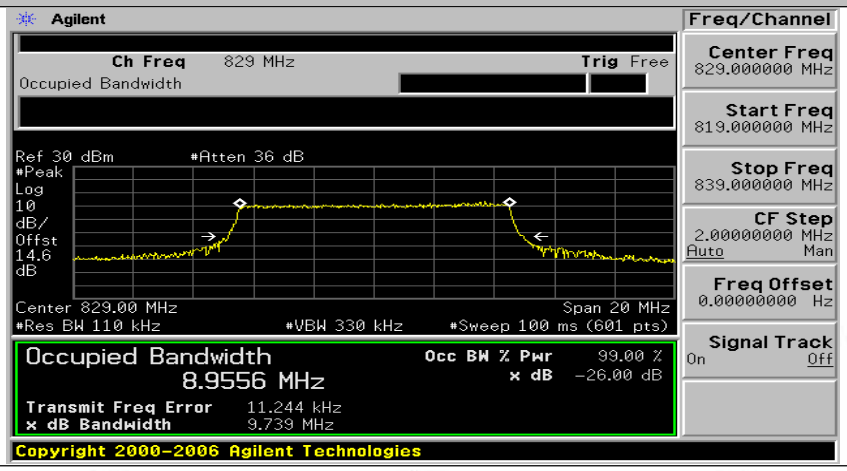


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

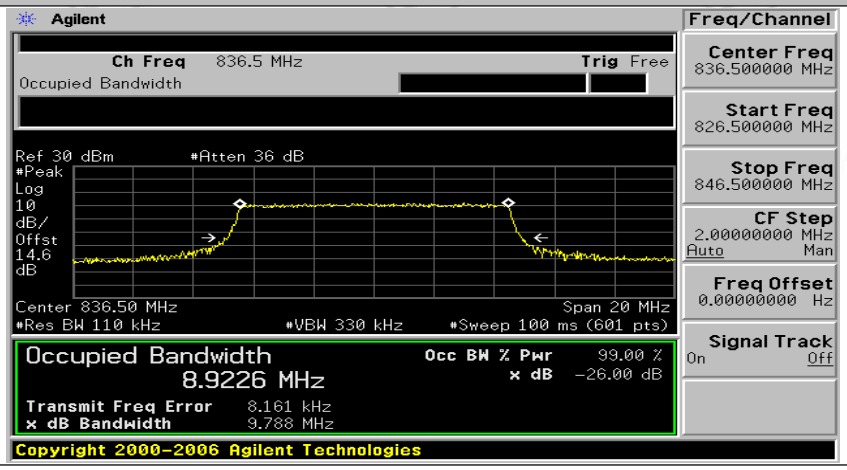


Channel Bandwidth: 10 MHz

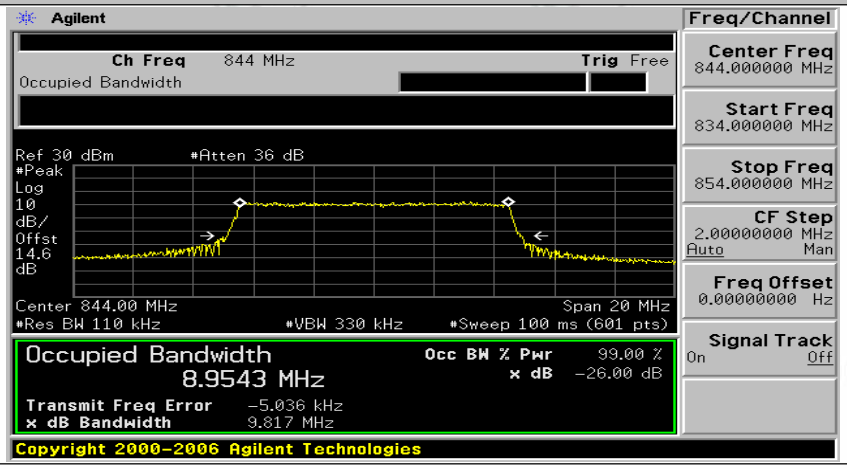
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



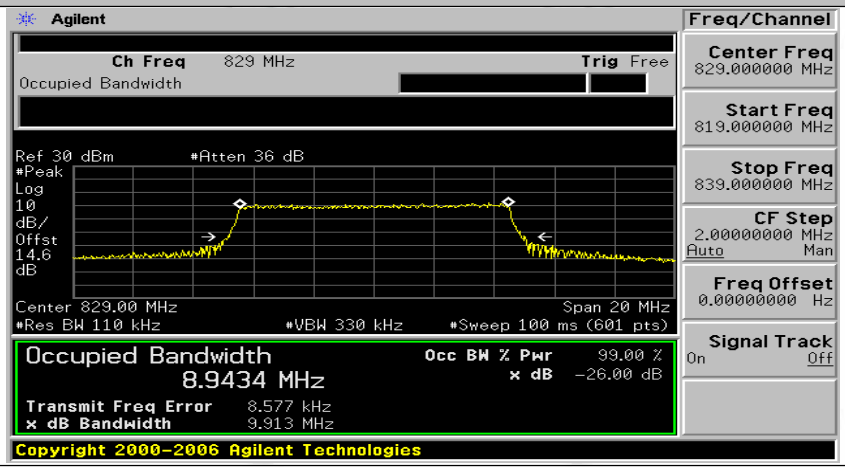
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



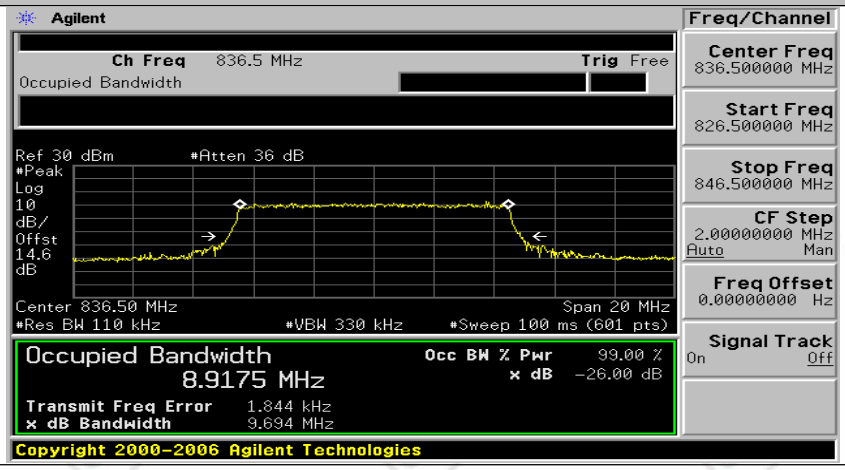
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



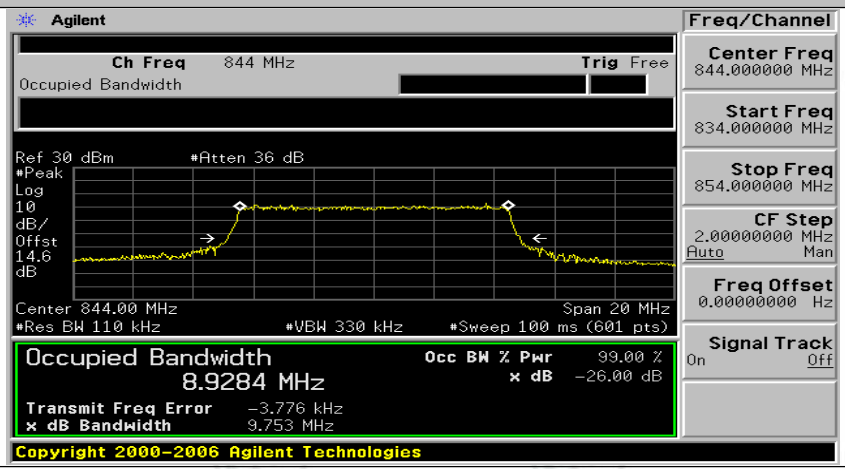
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



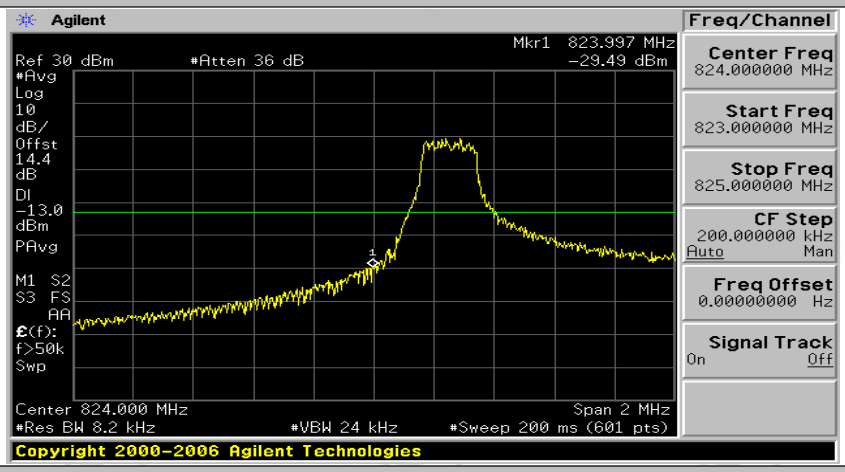
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



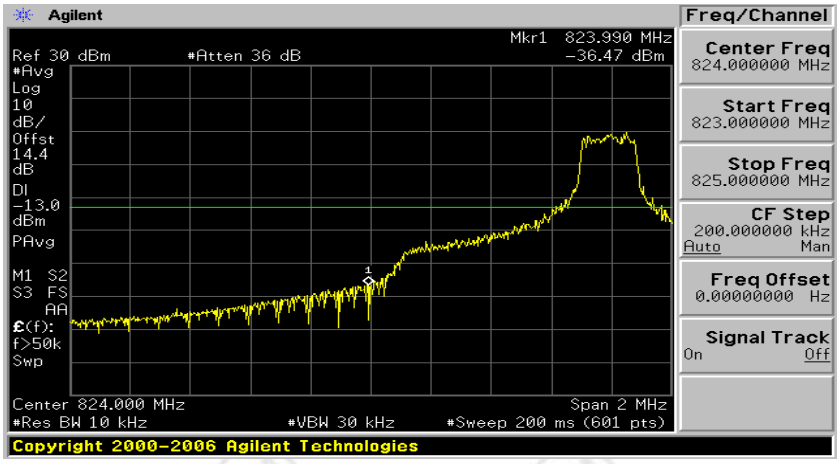
Appendix D: Band Edge

Test Graphs
Channel Bandwidth: 1.4 MHz

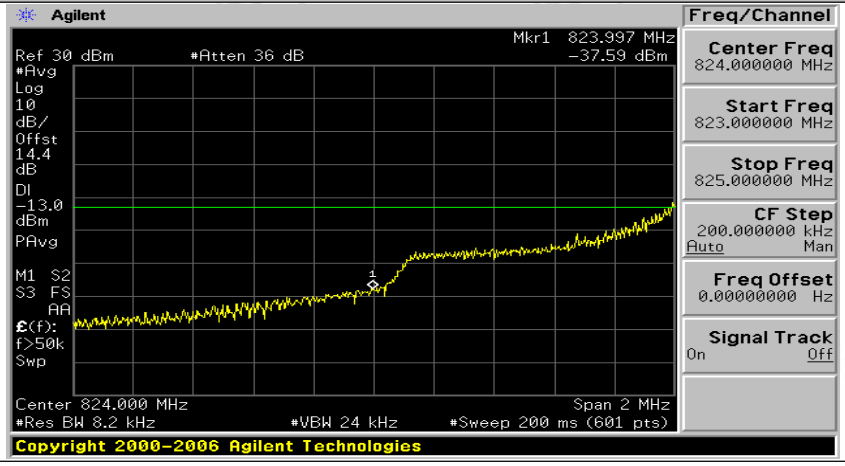
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



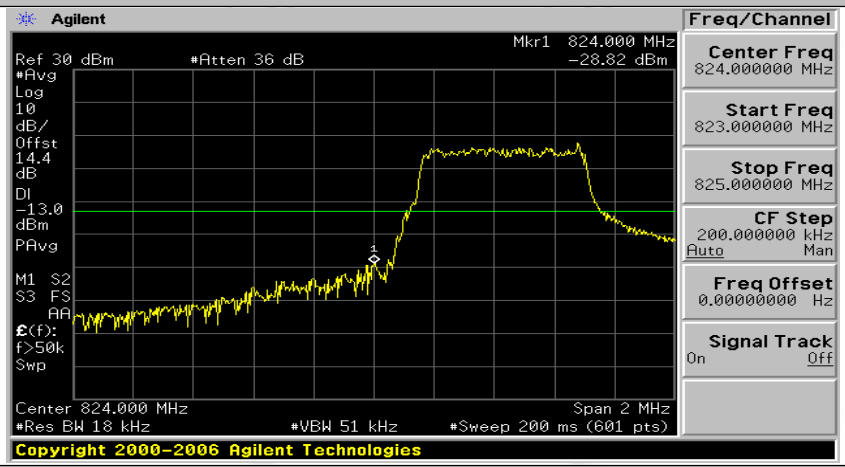
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



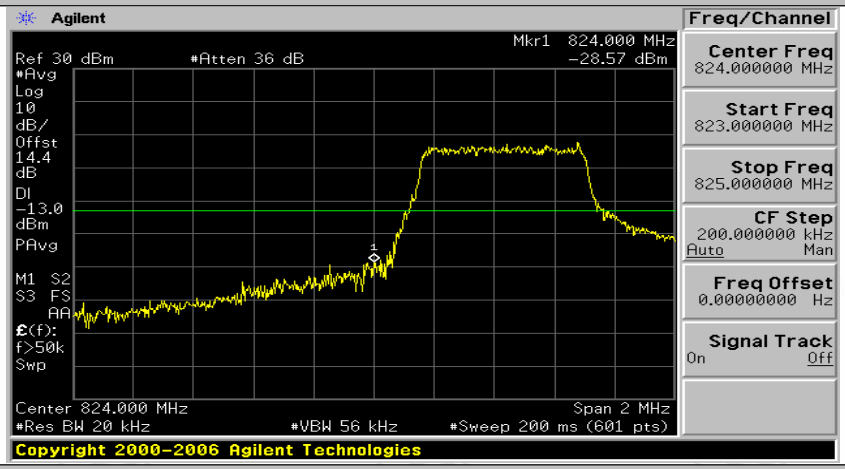
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



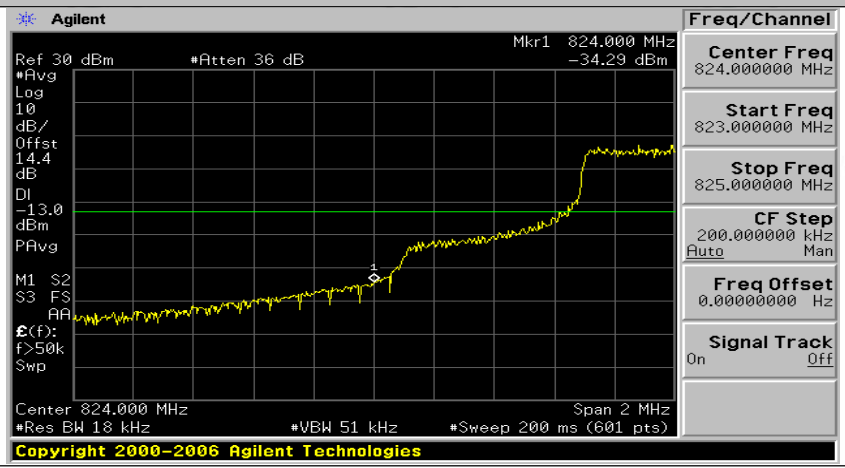
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



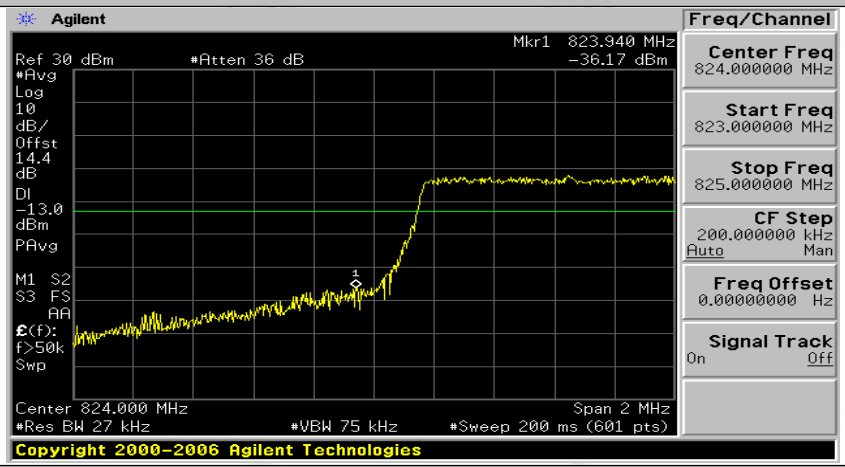
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



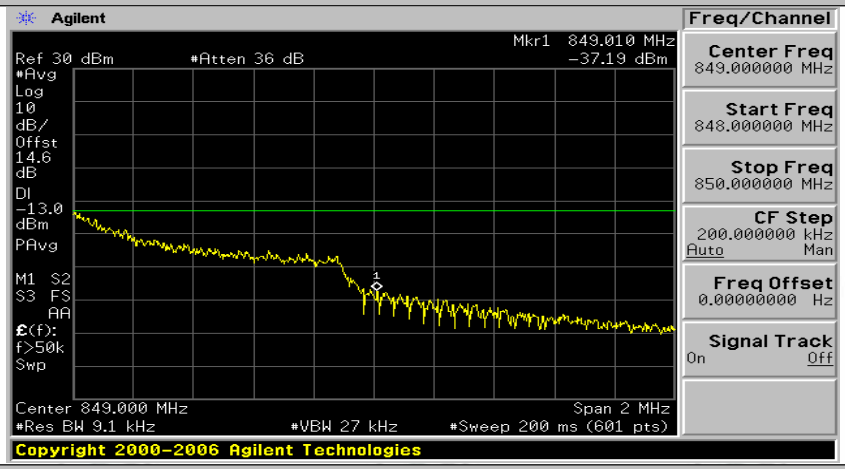
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



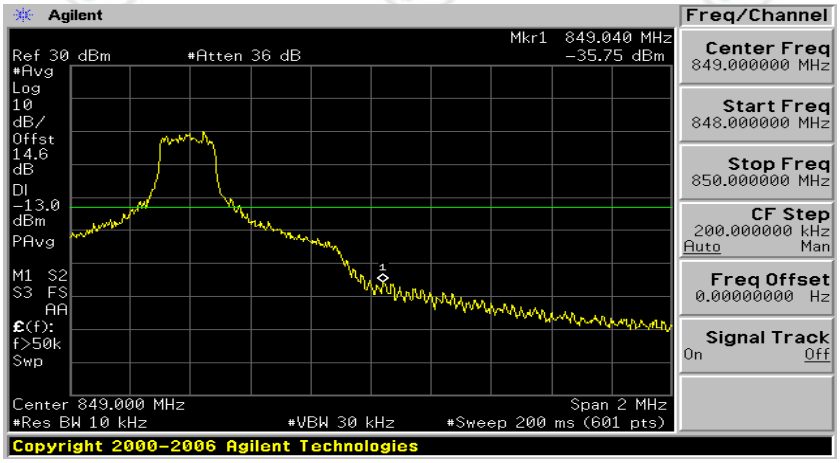
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



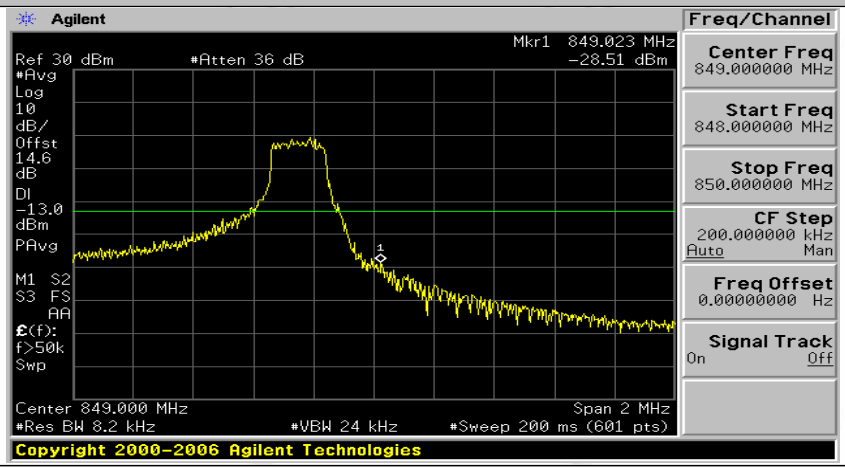
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



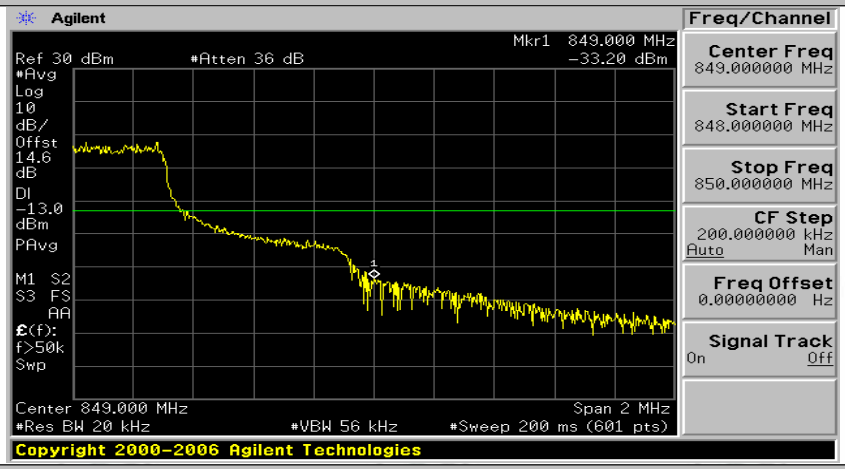
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



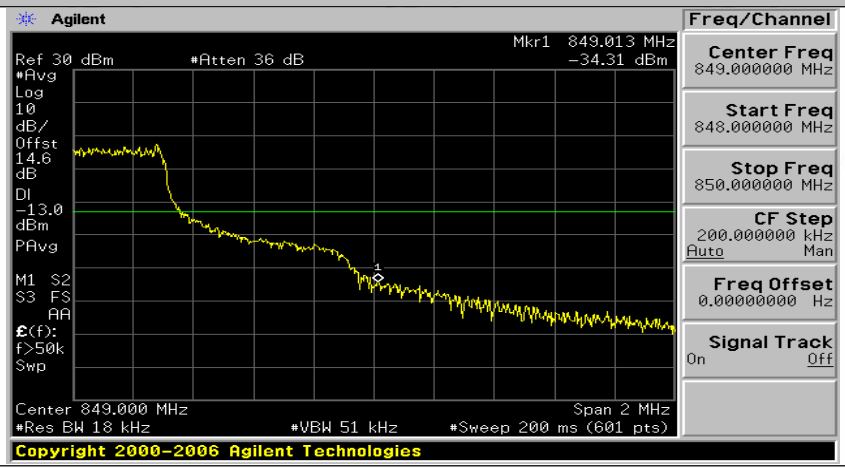
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



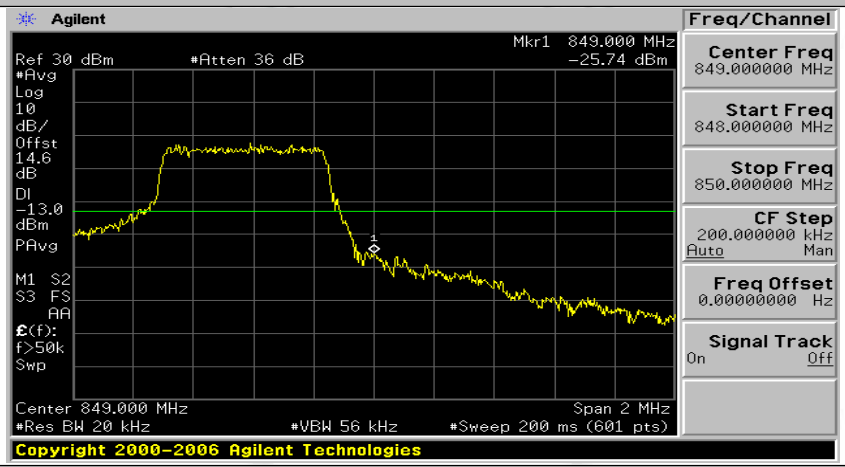
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



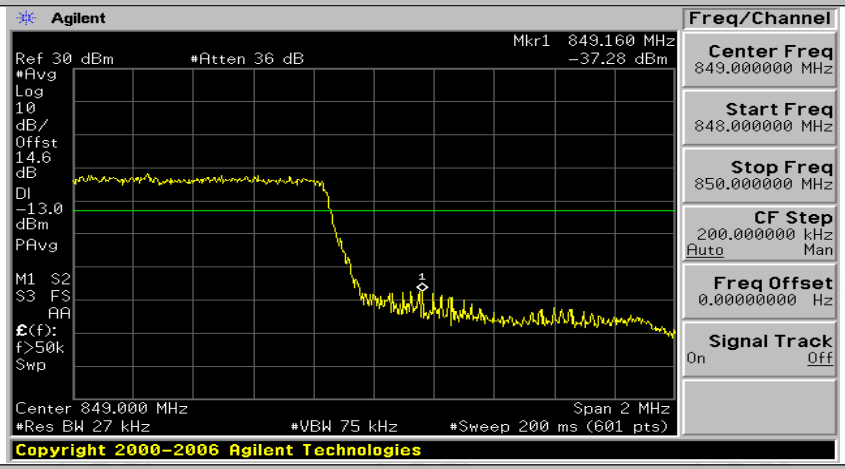
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



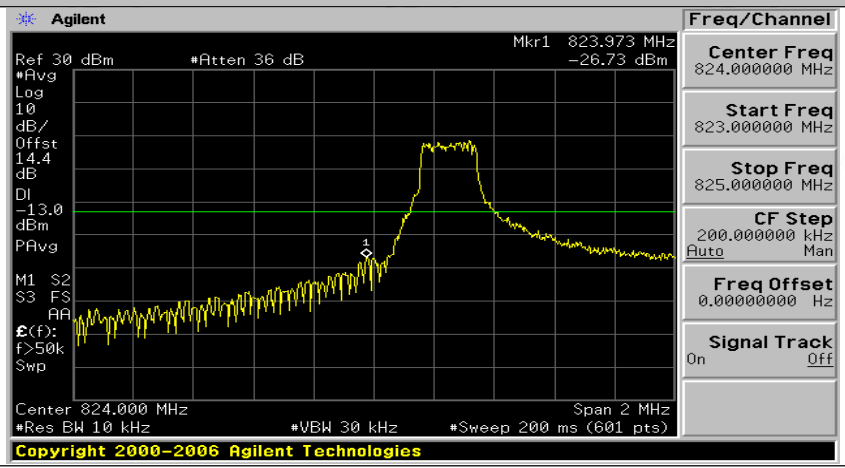
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



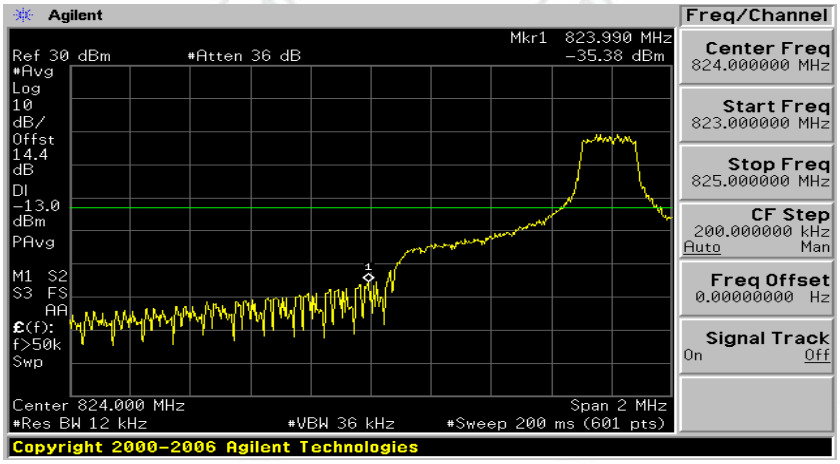
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



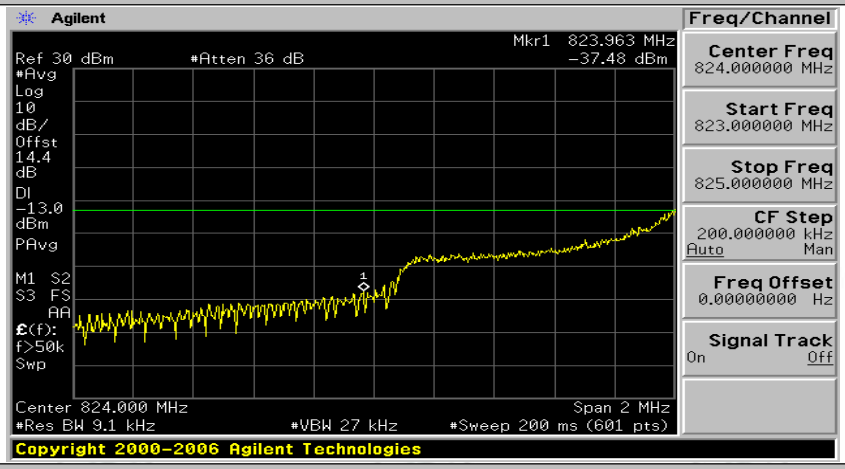
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



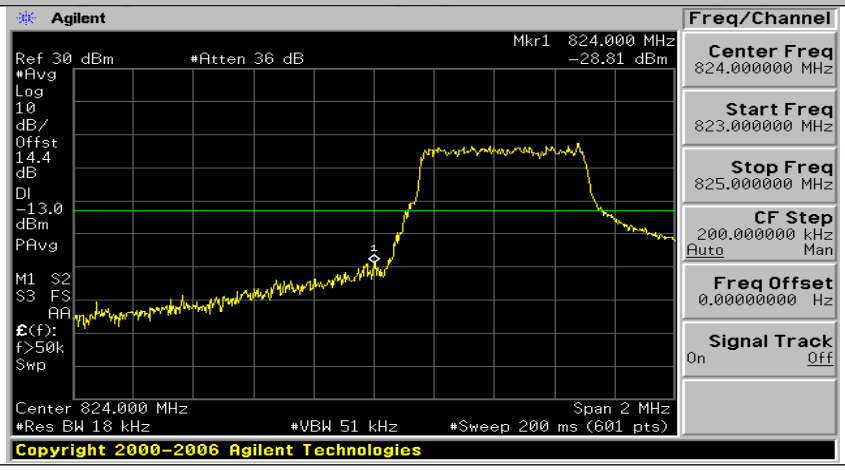
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



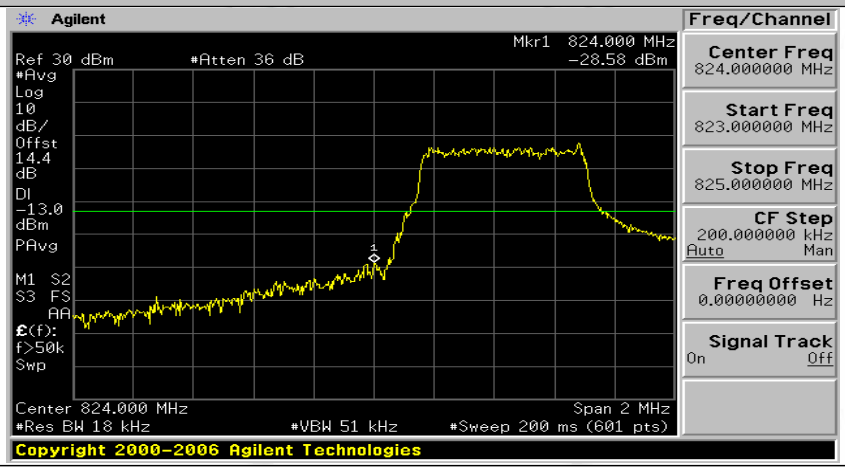
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



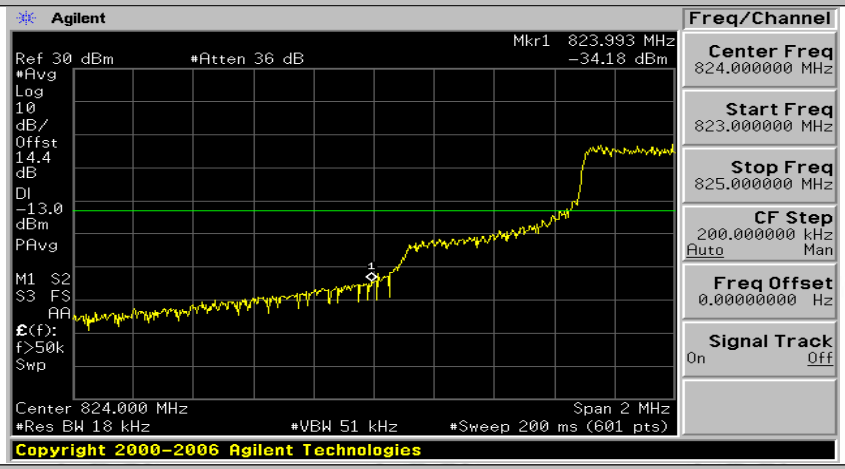
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



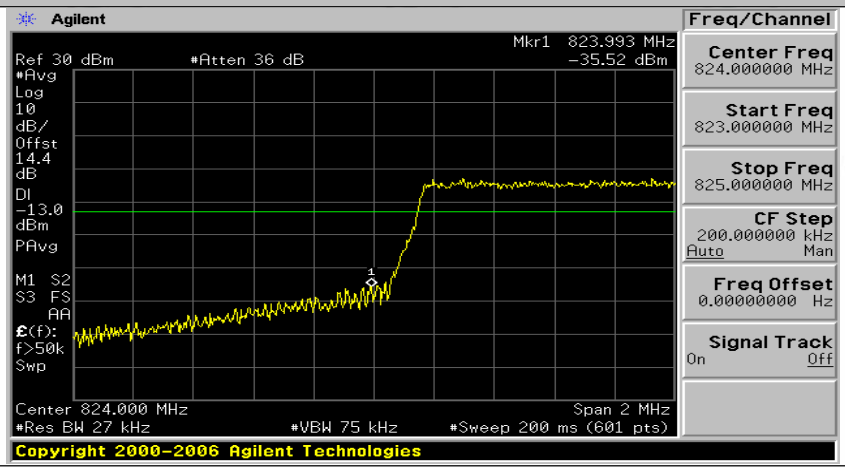
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



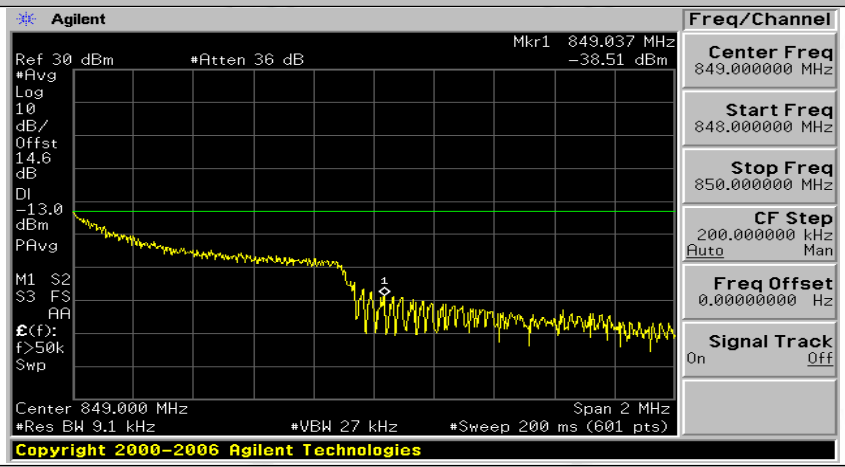
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



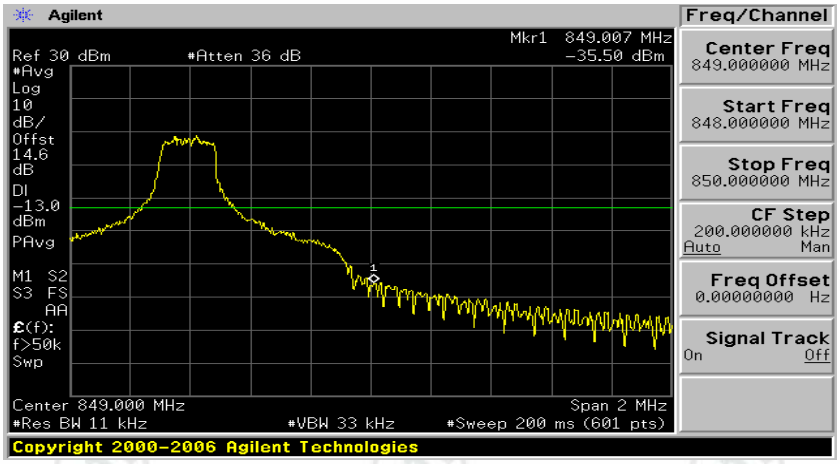
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



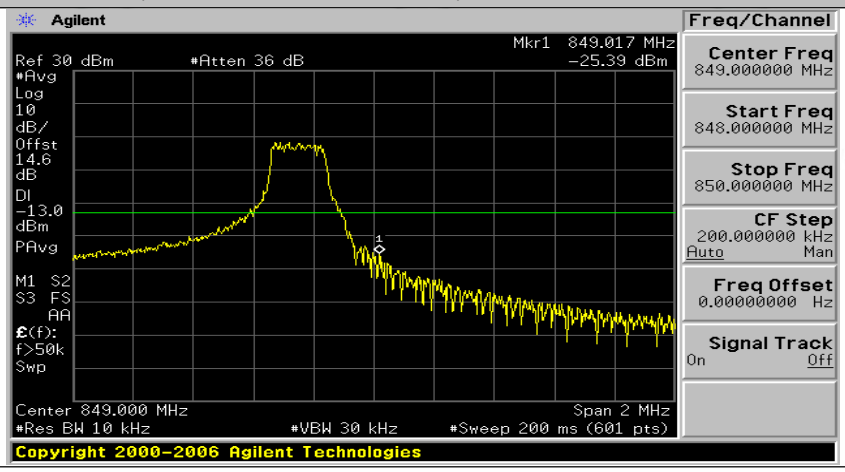
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



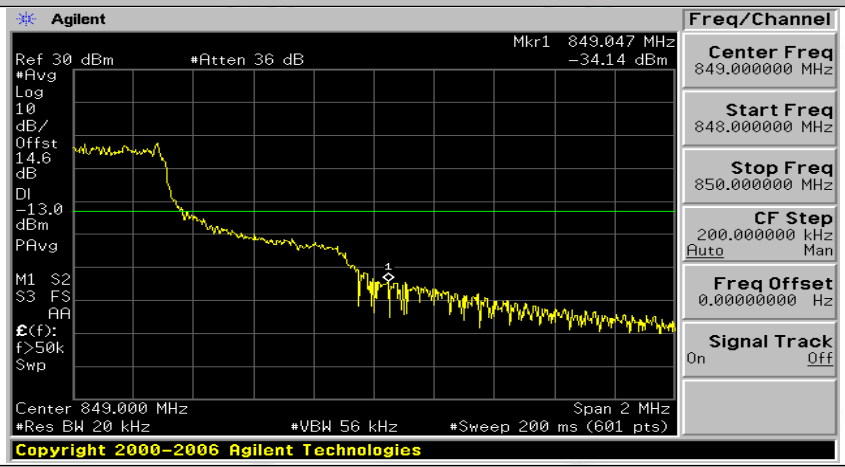
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



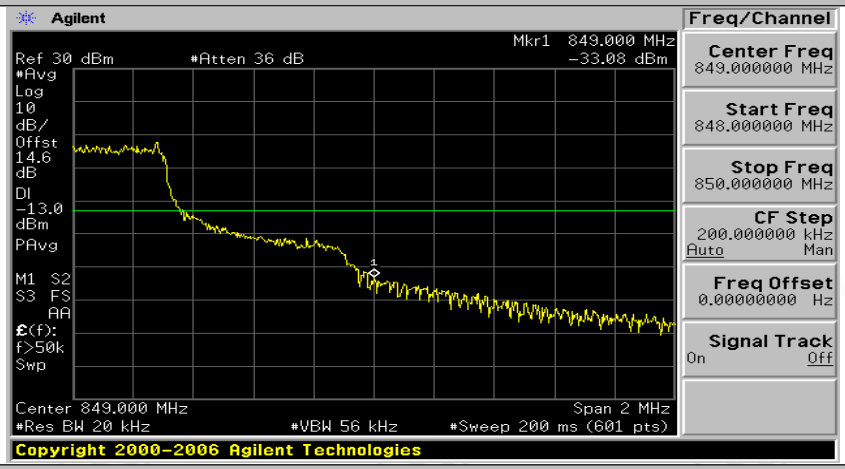
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



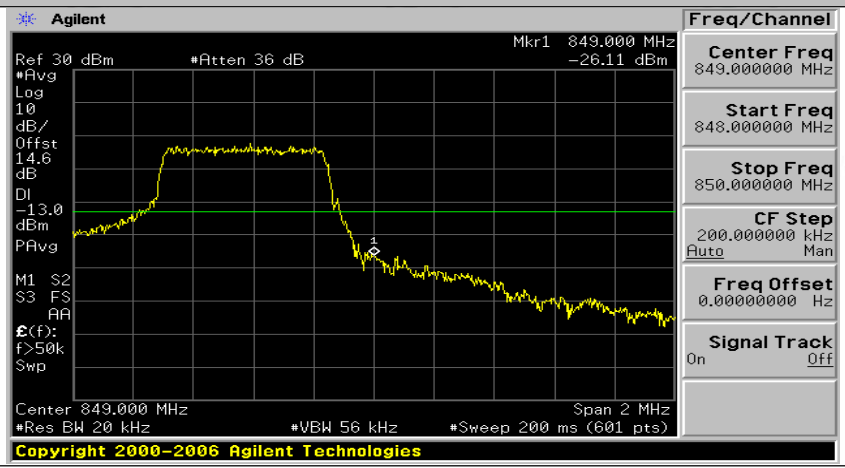
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



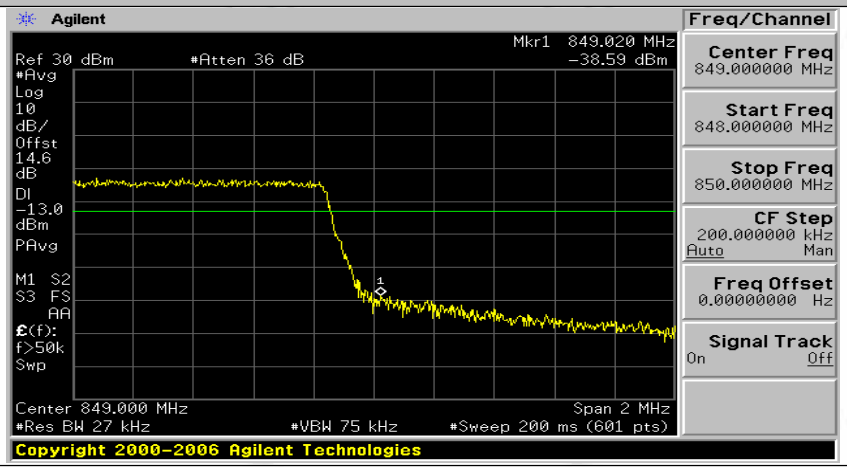
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

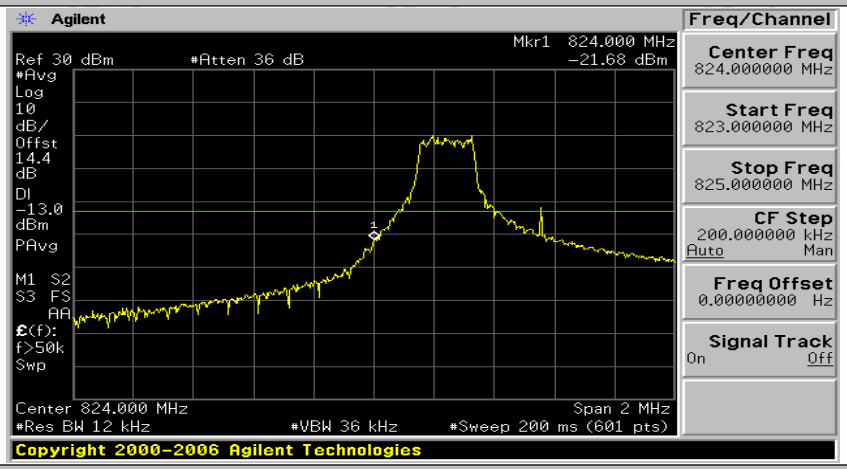


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

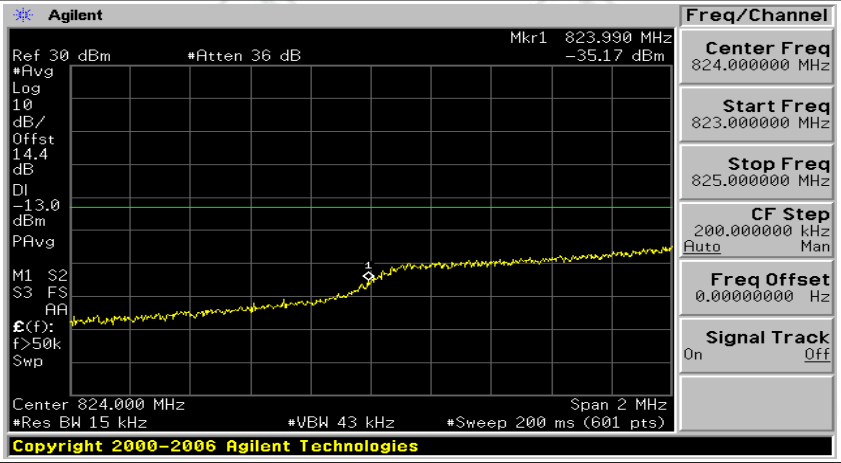


Channel Bandwidth: 3 MHz

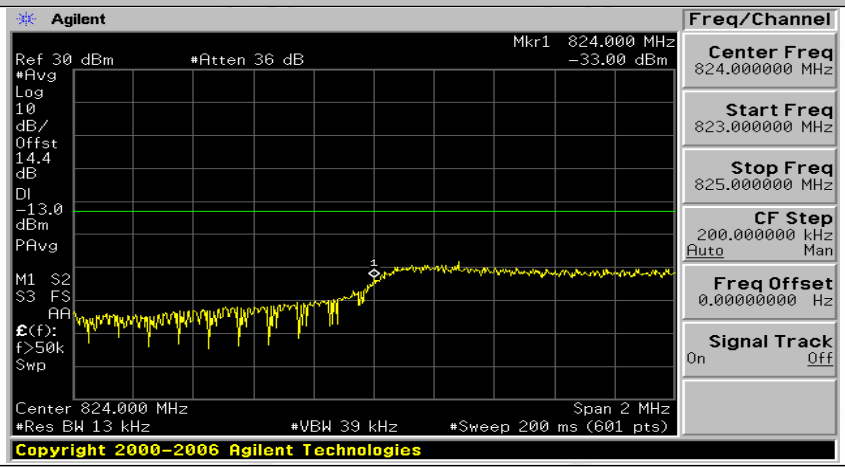
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



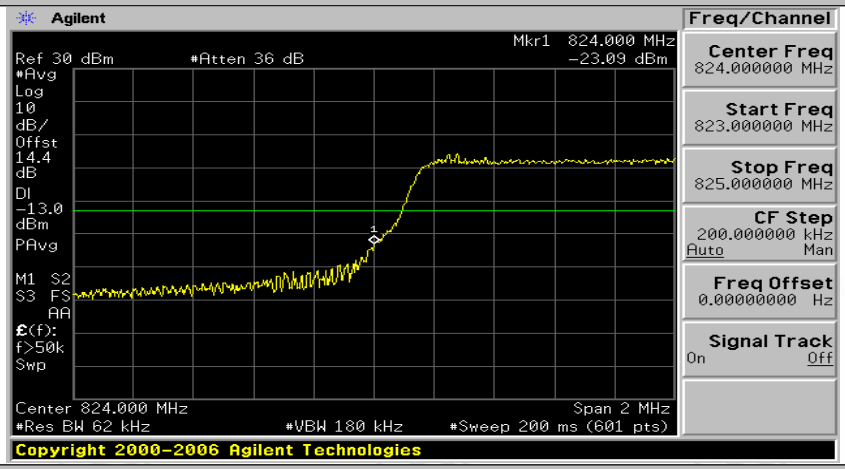
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



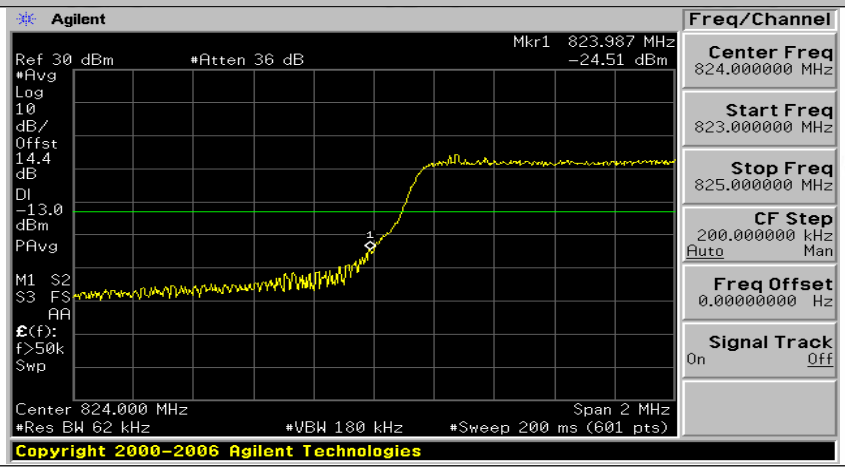
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



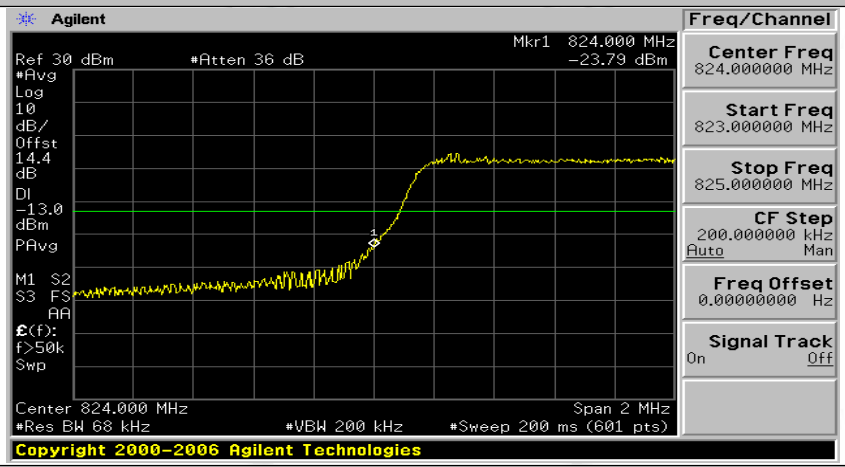
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



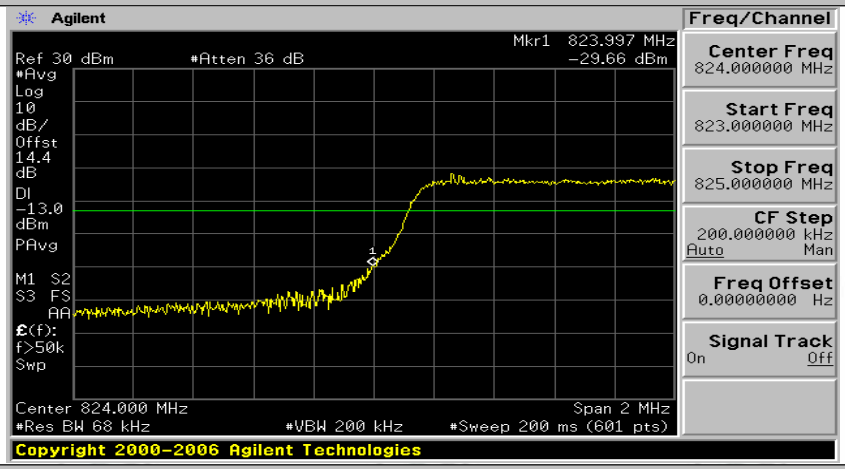
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



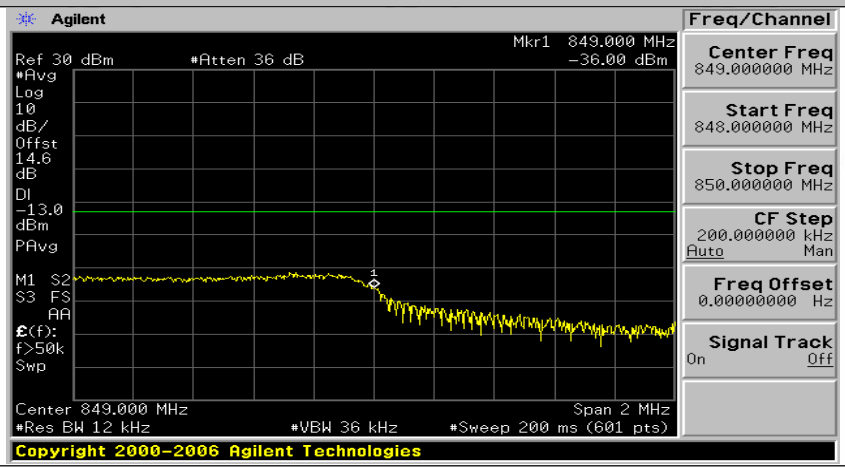
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



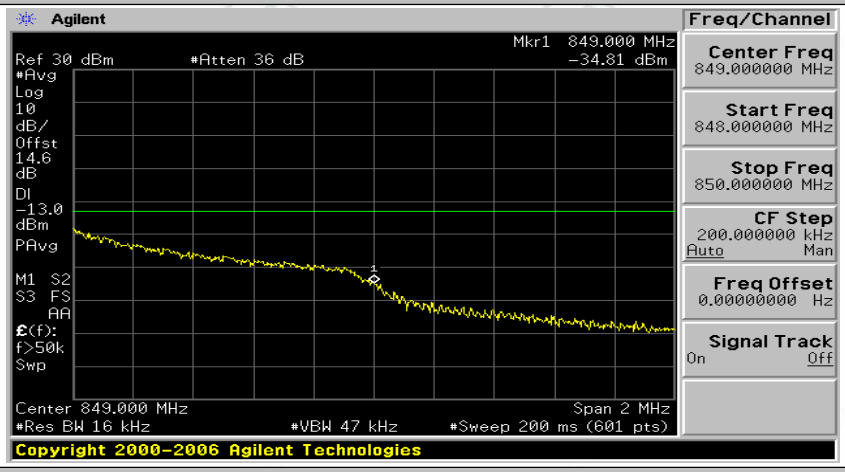
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



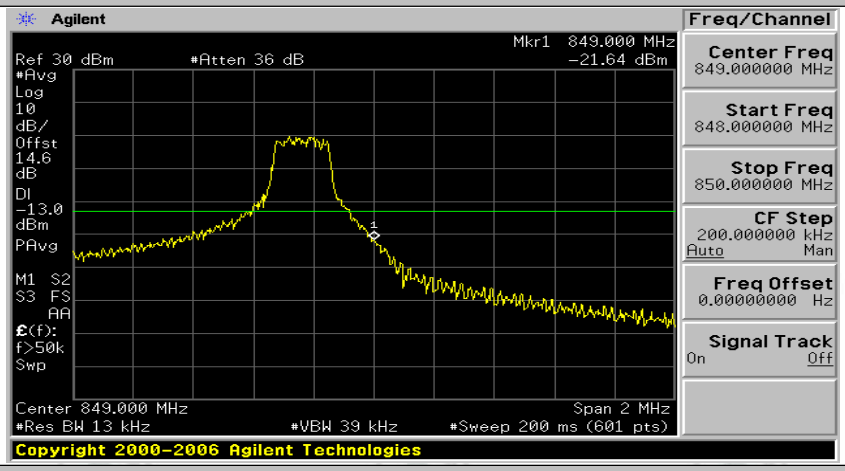
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



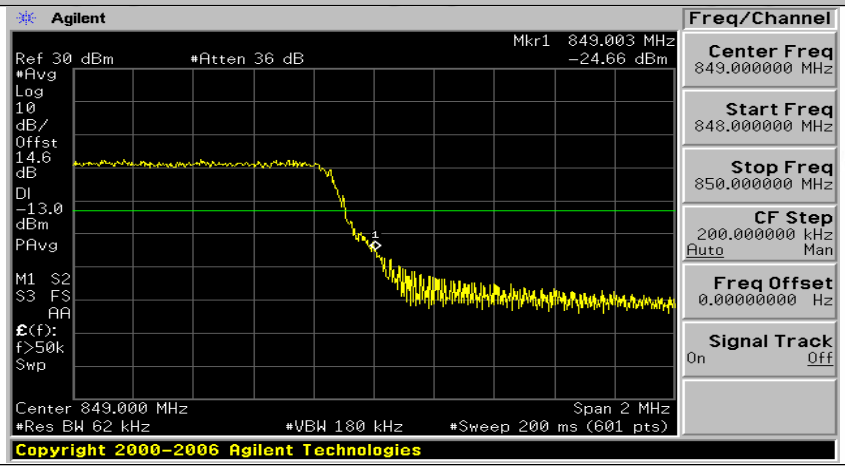
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



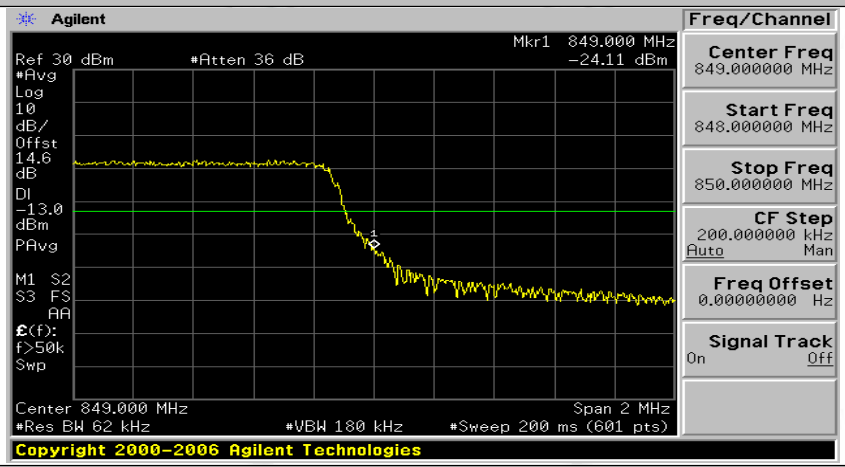
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



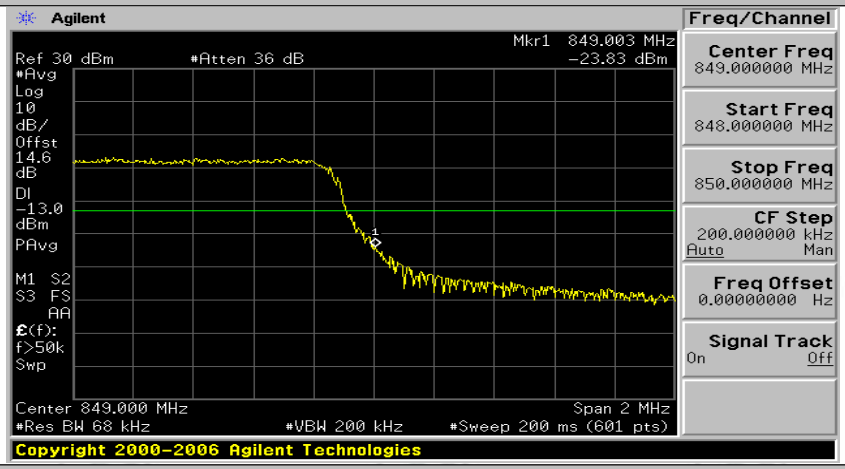
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



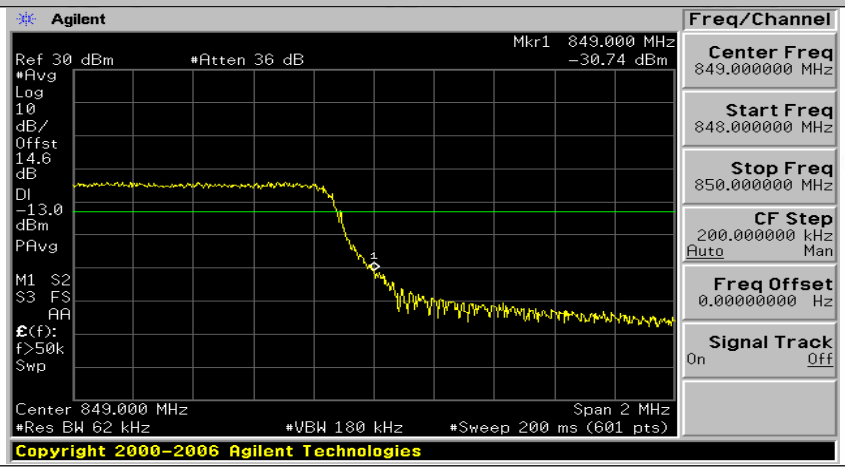
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



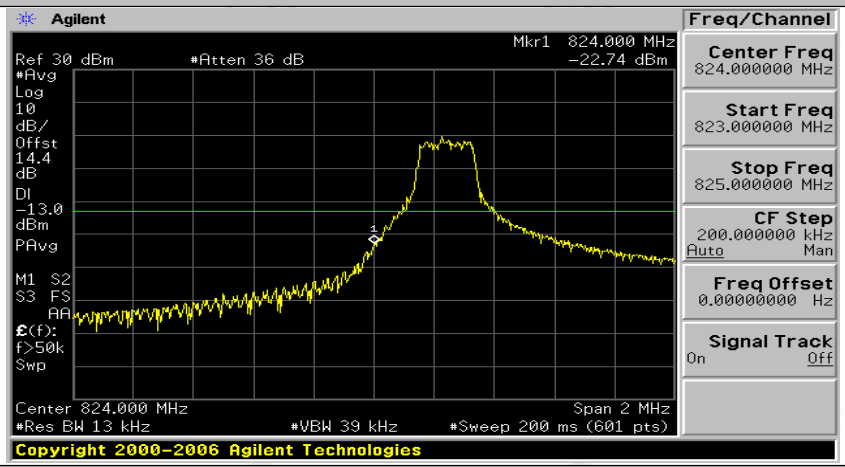
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



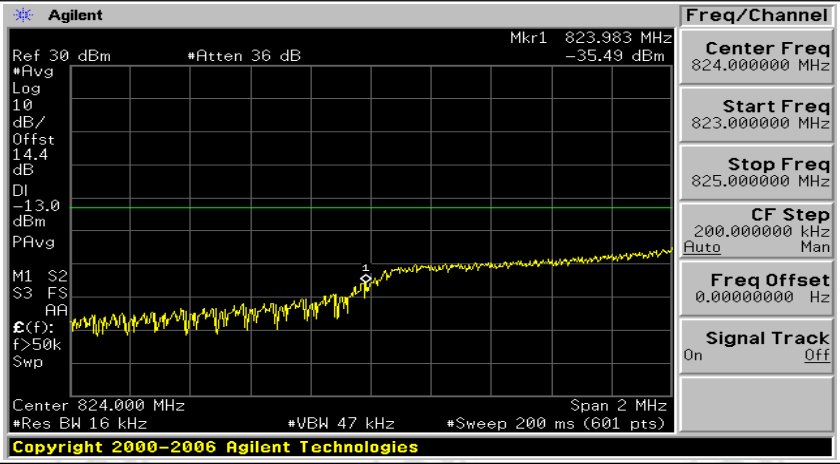
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



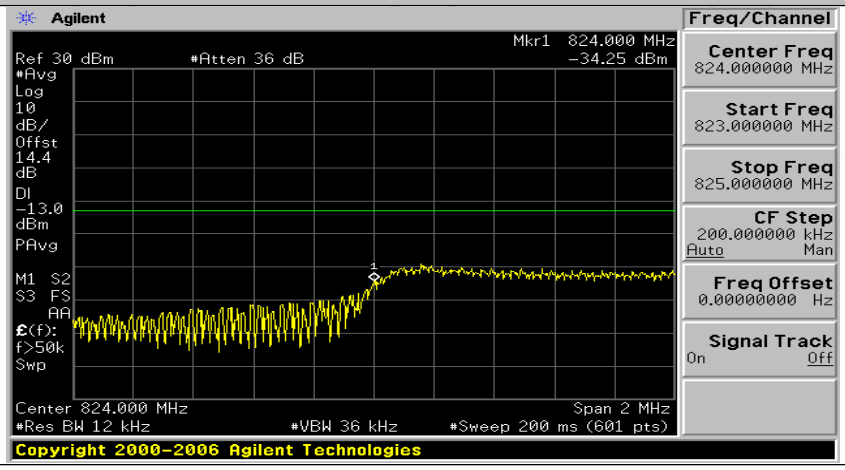
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



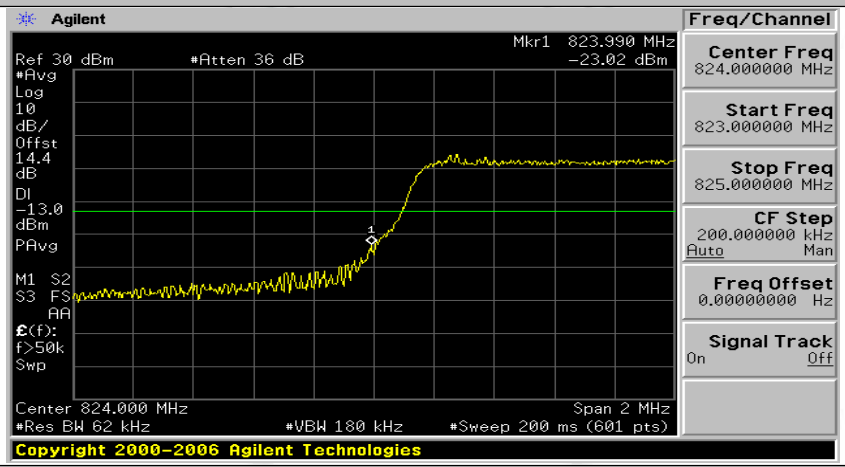
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



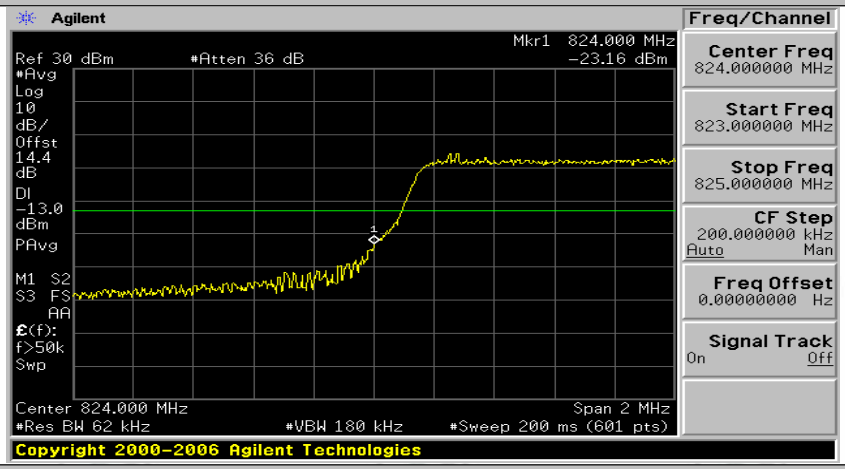
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



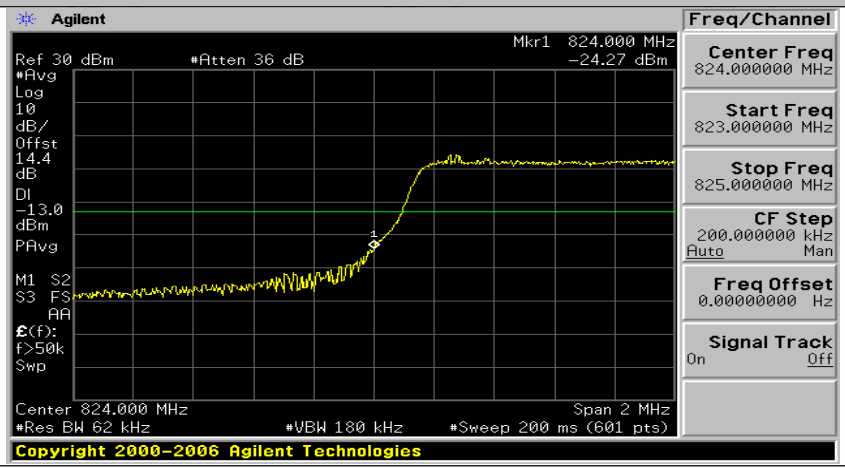
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



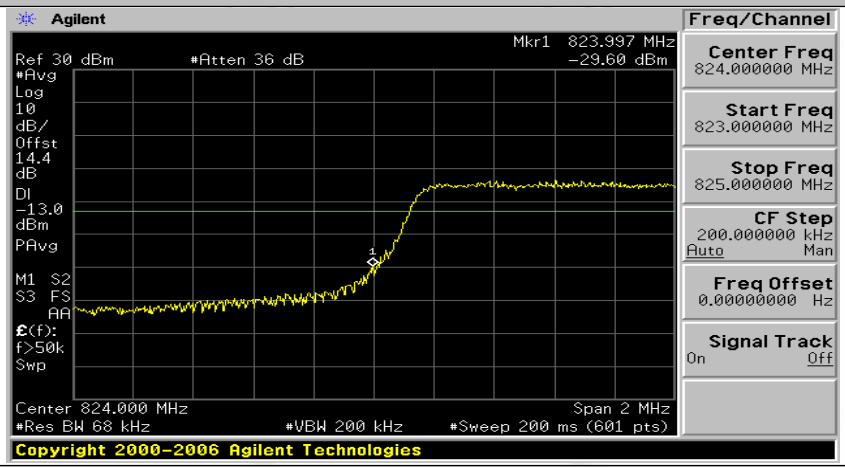
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



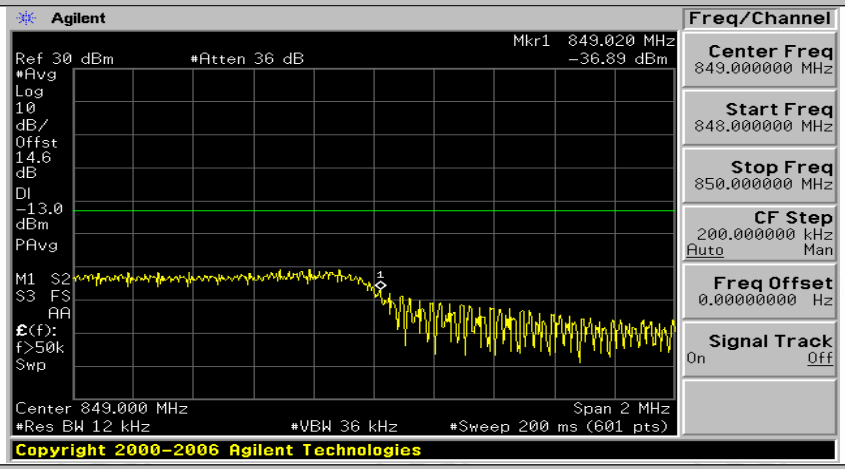
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



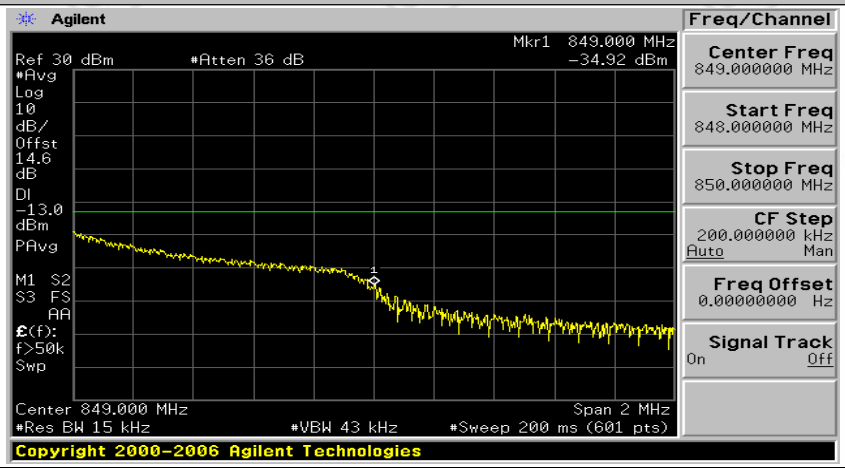
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



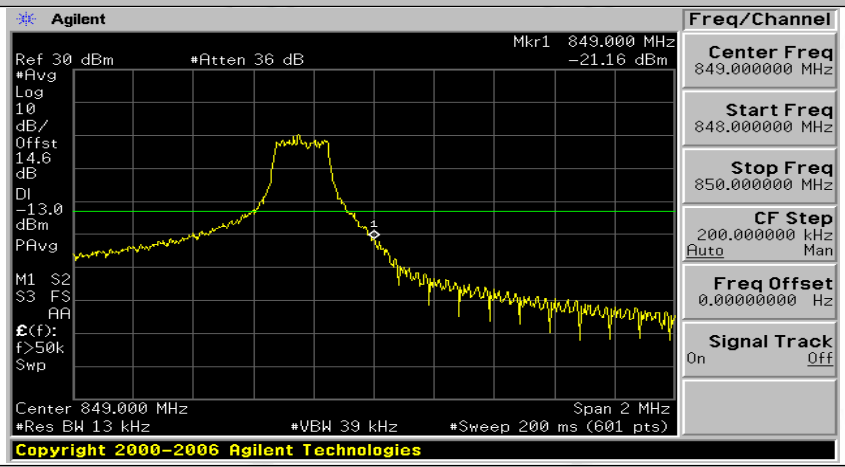
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



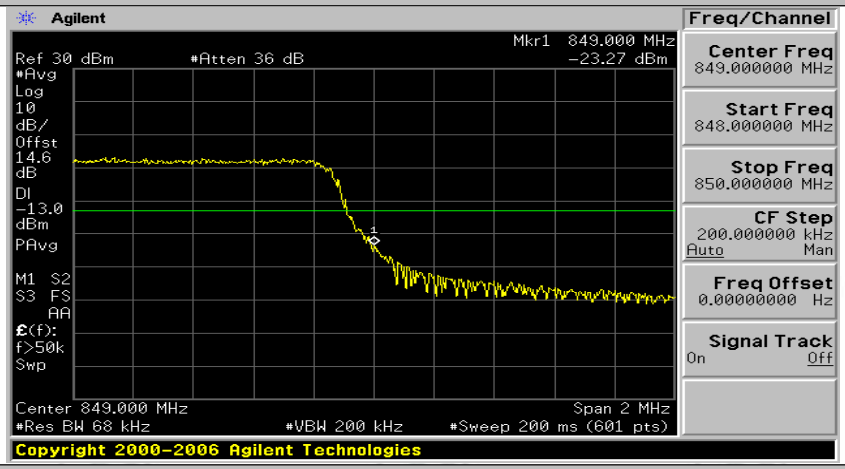
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



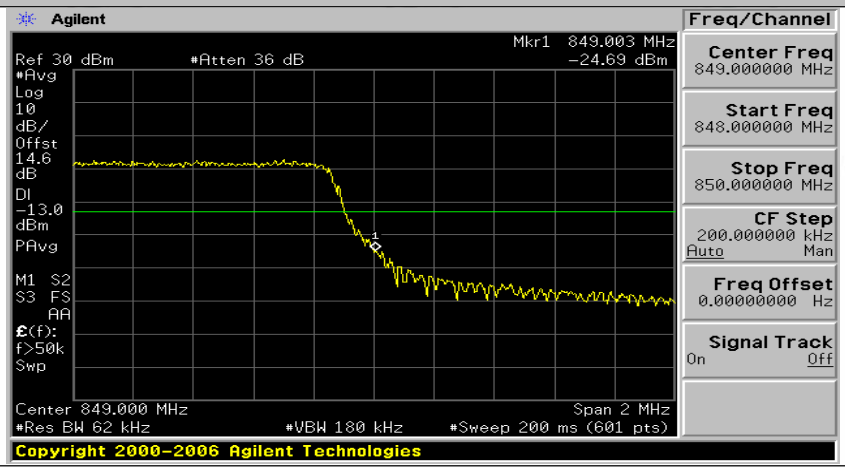
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



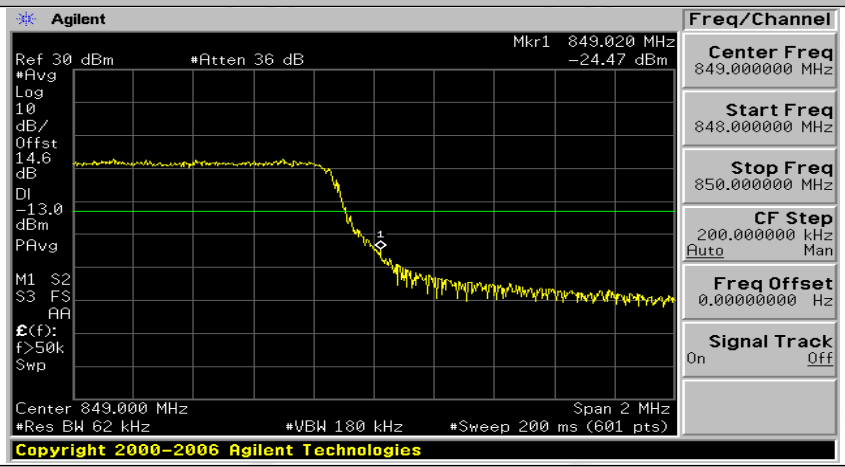
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



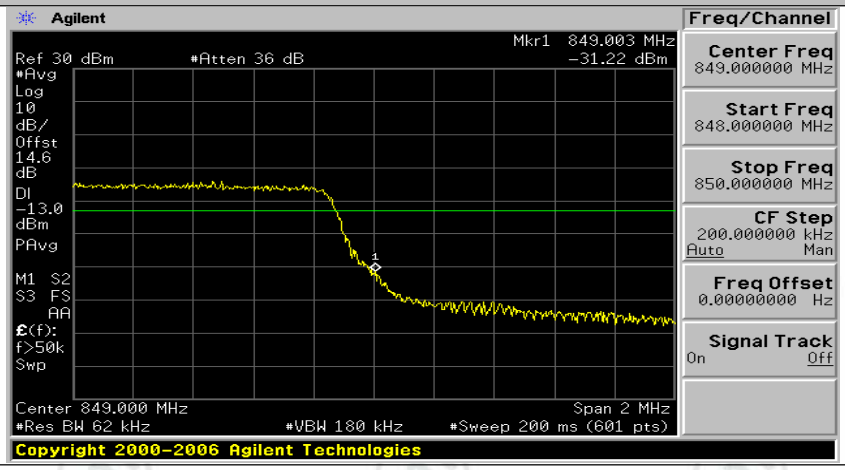
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

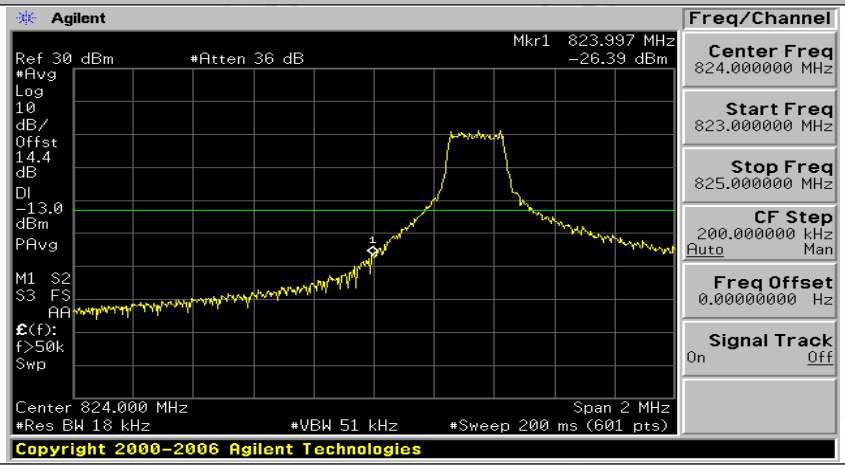


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

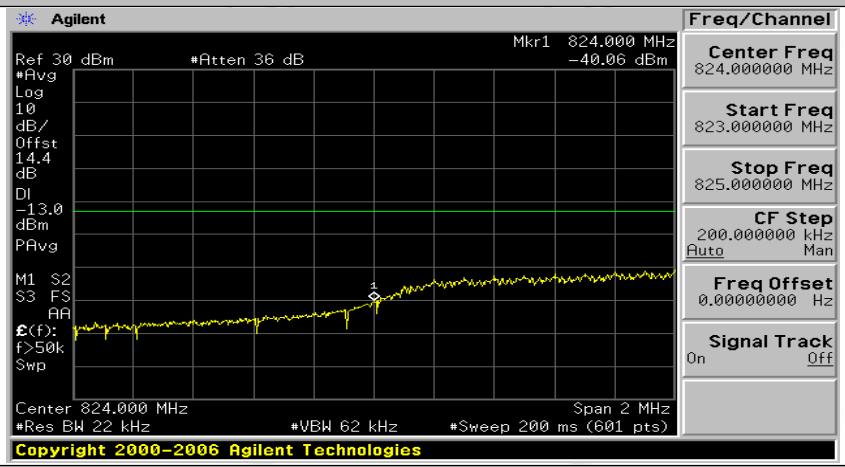


Channel Bandwidth: 5 MHz

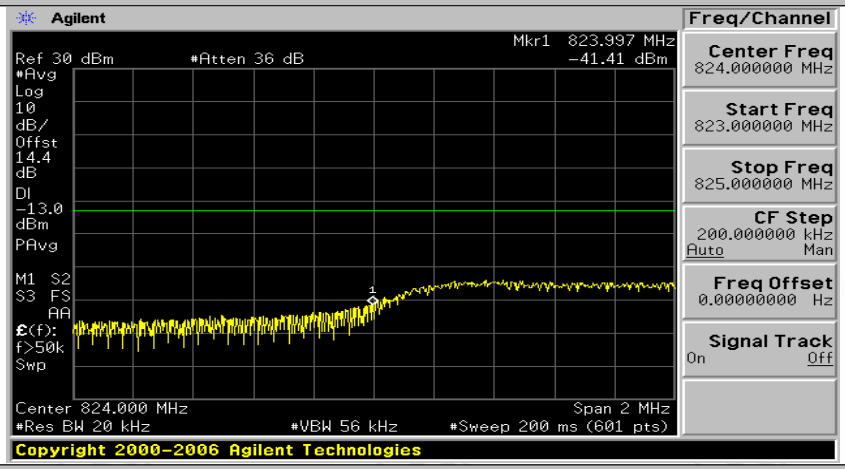
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



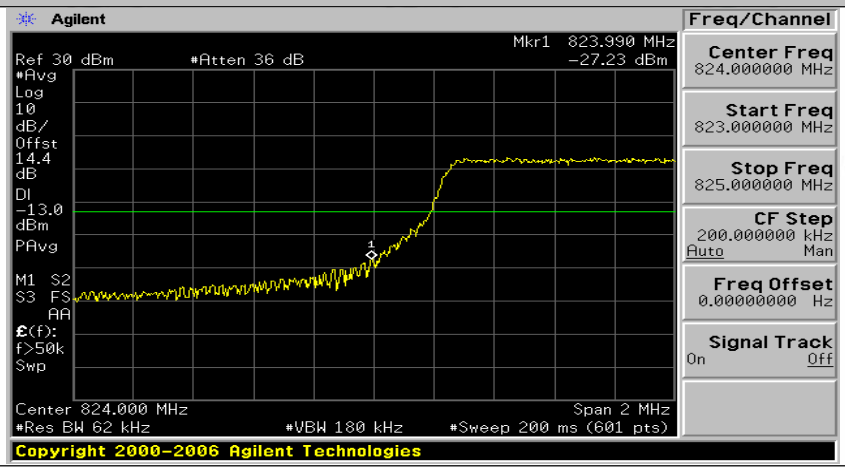
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



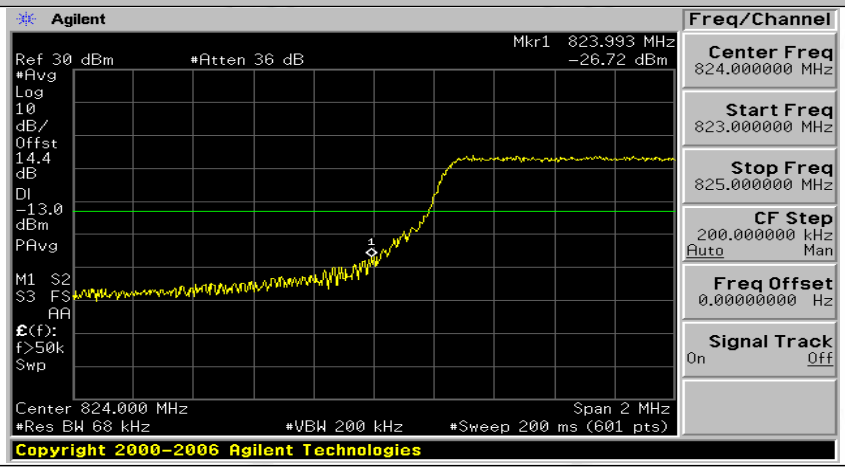
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



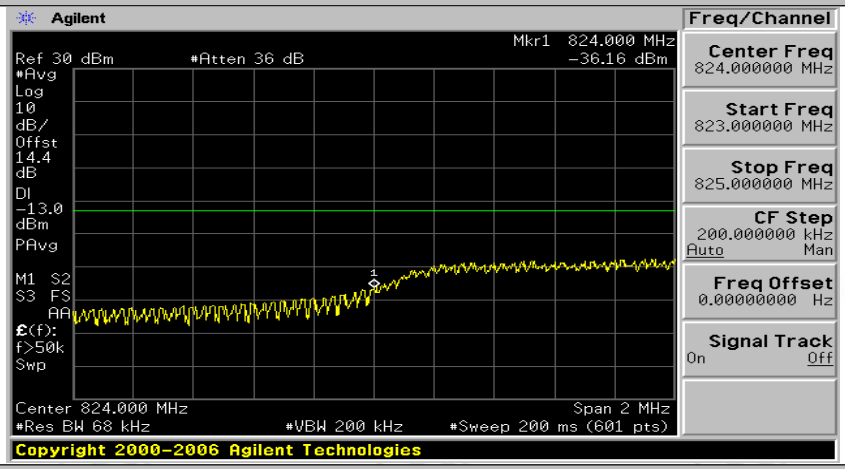
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



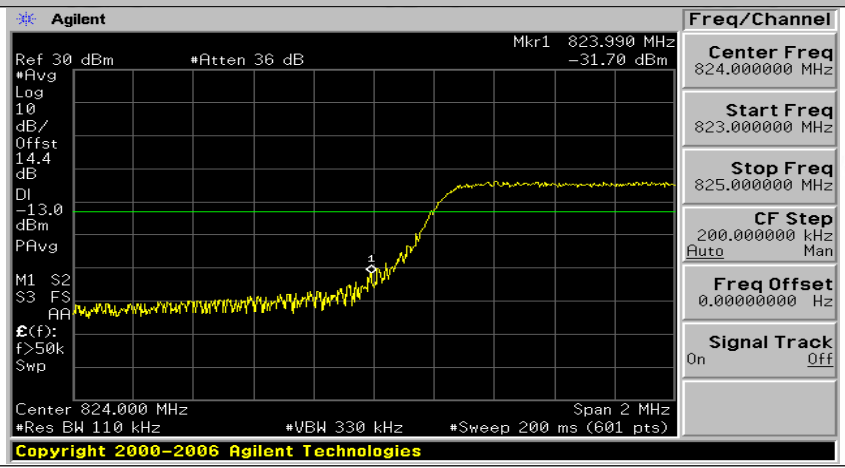
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



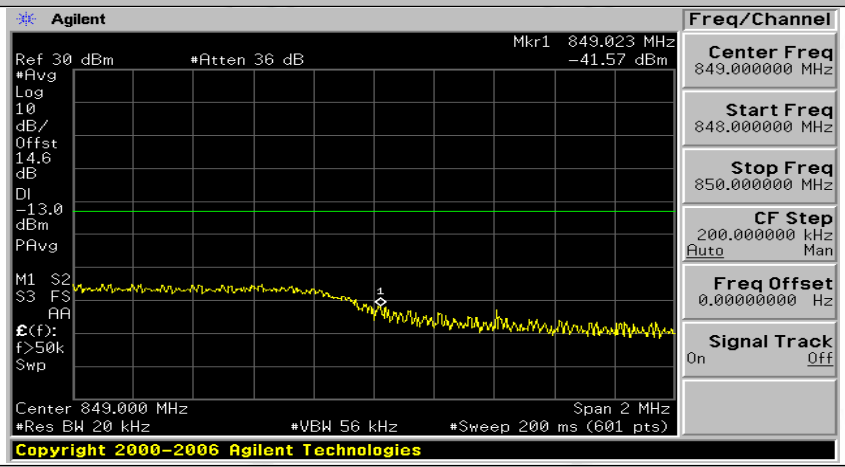
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



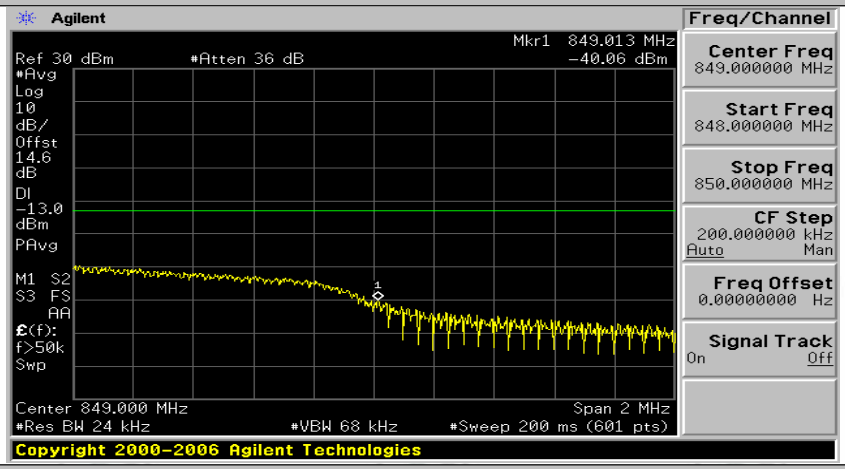
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



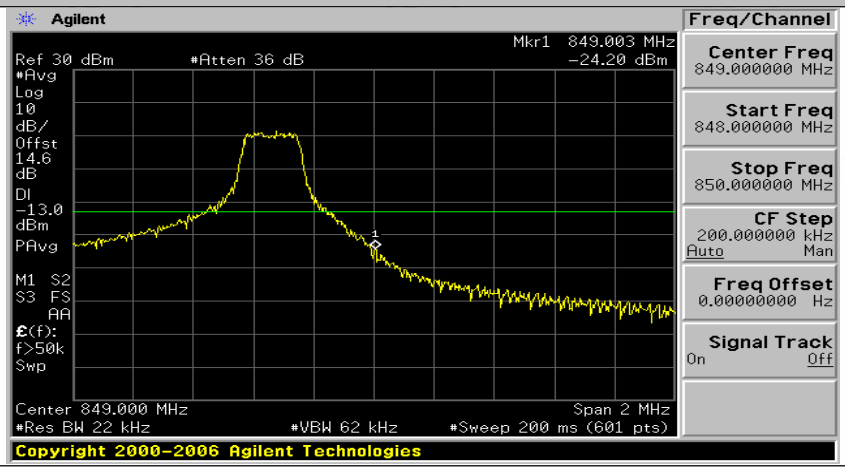
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



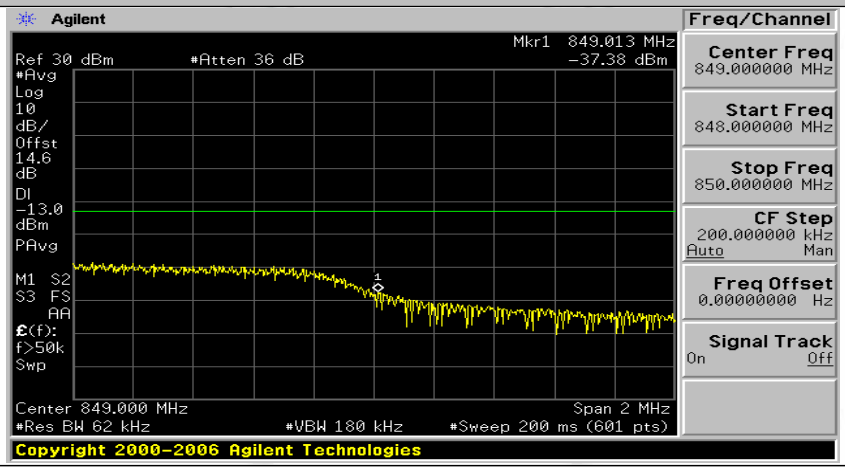
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



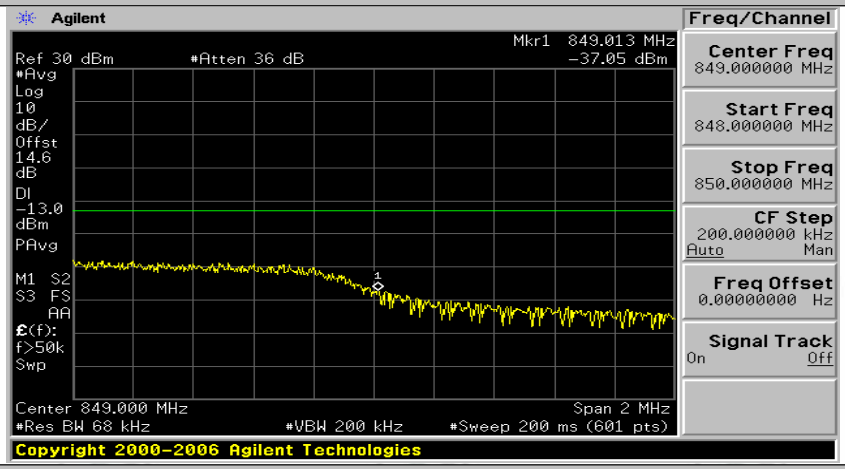
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



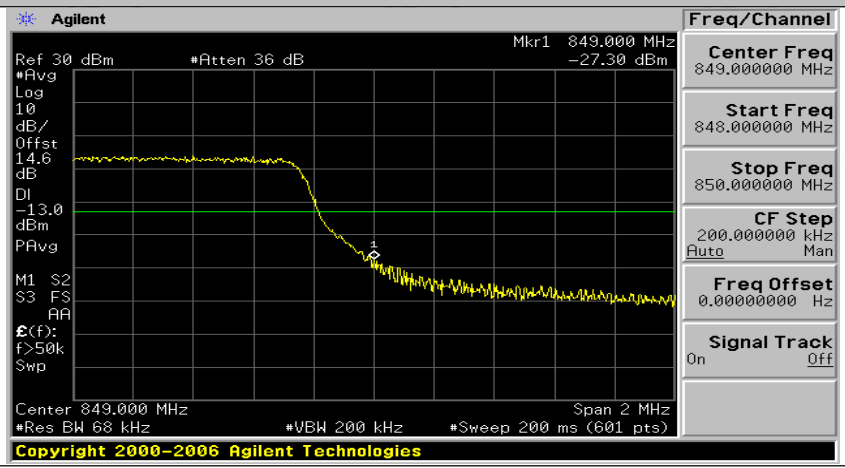
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



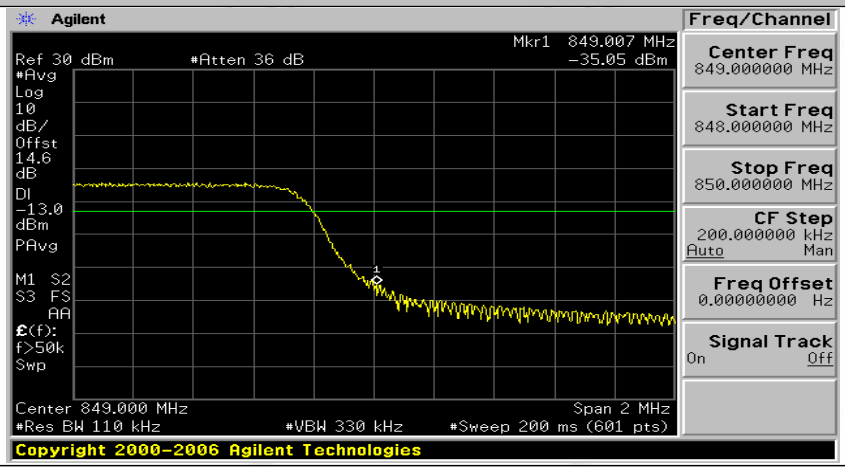
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



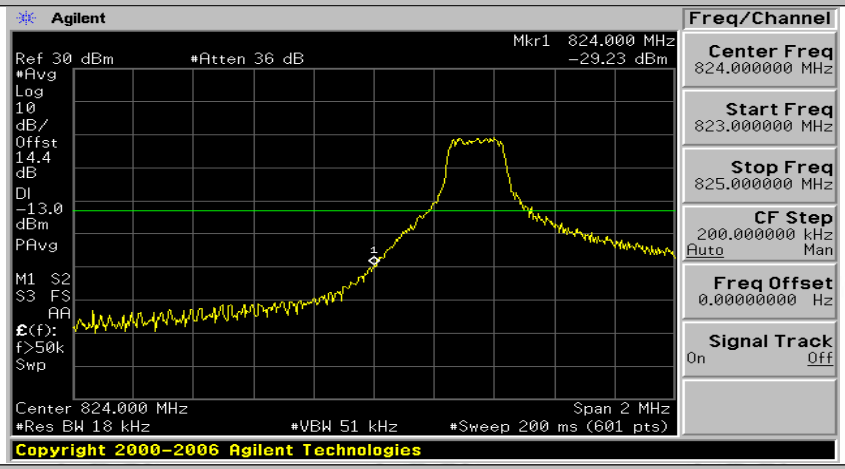
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



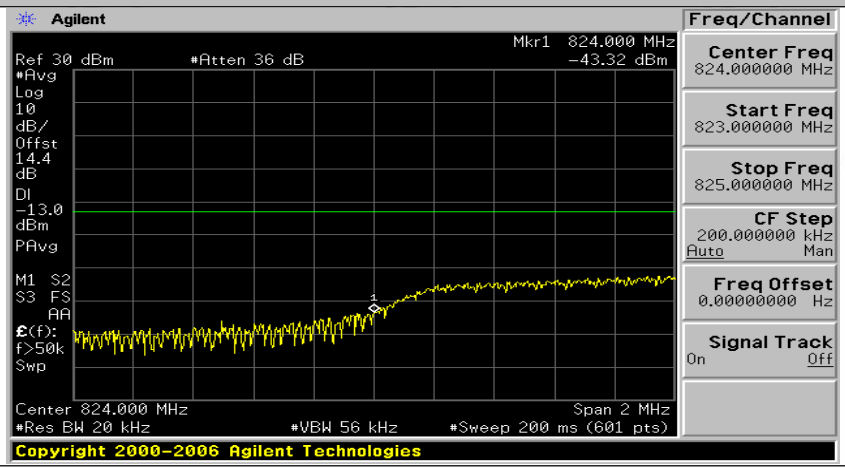
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



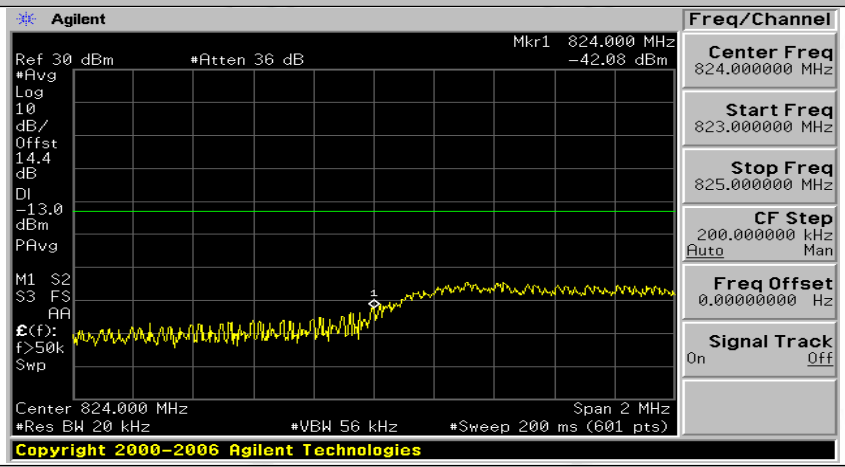
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



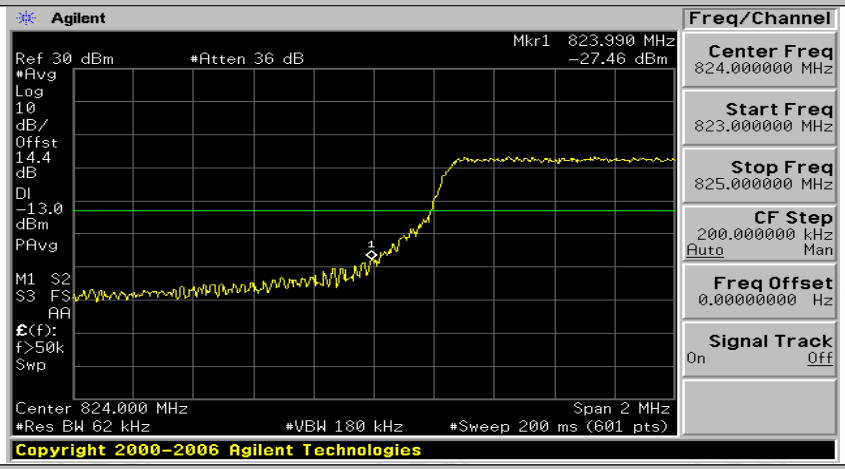
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



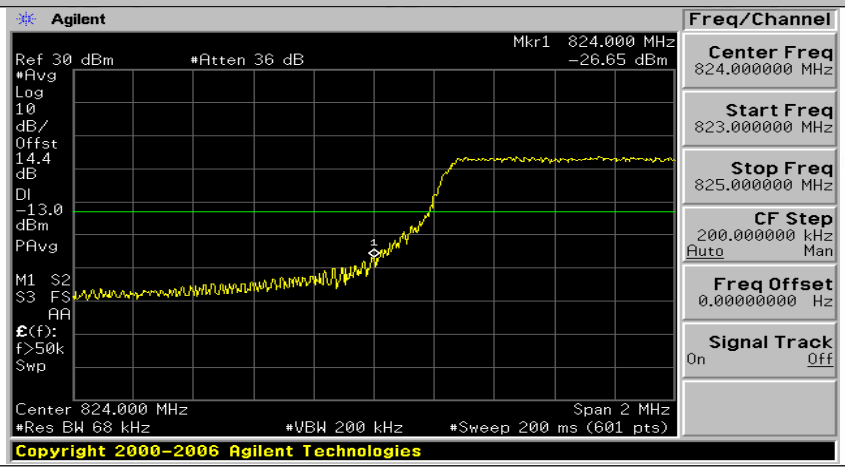
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



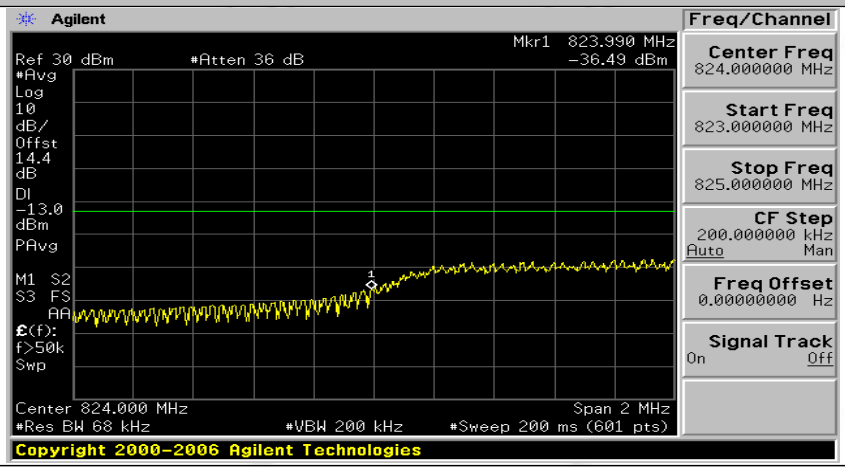
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



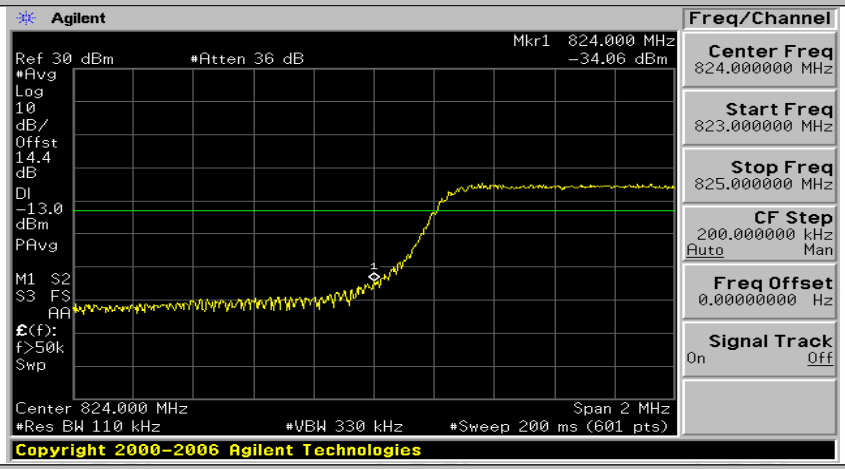
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



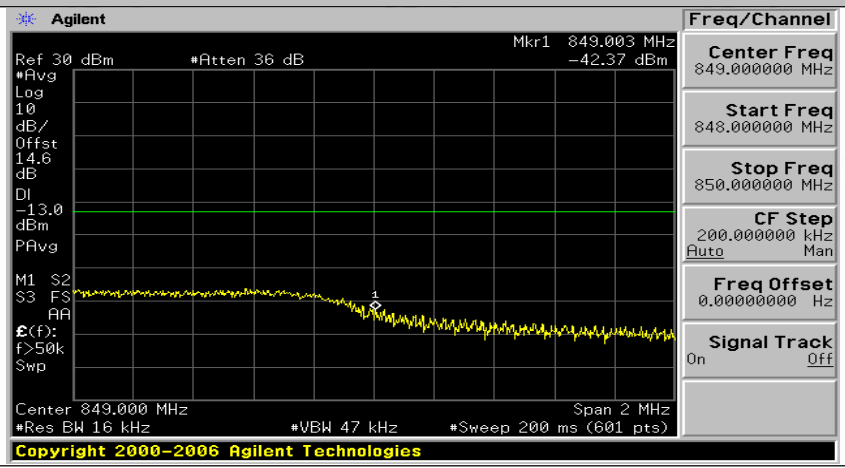
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



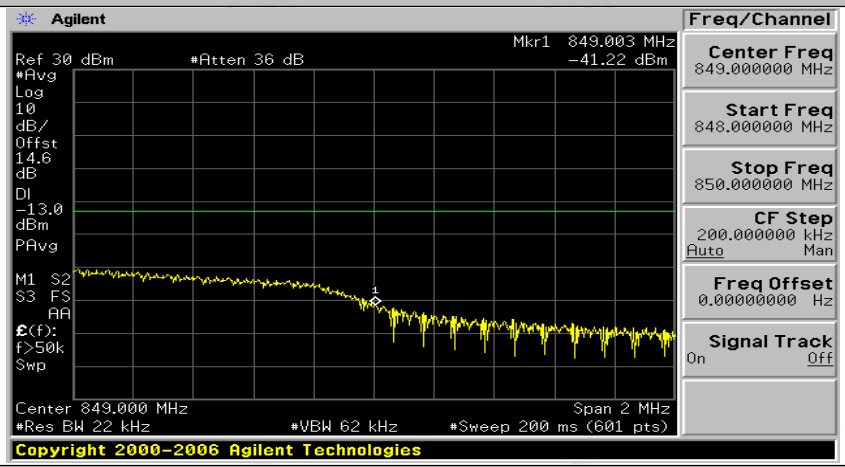
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



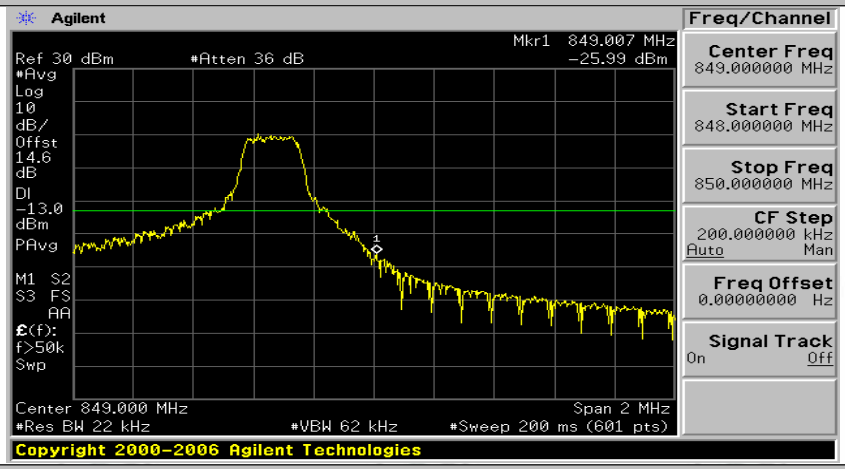
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



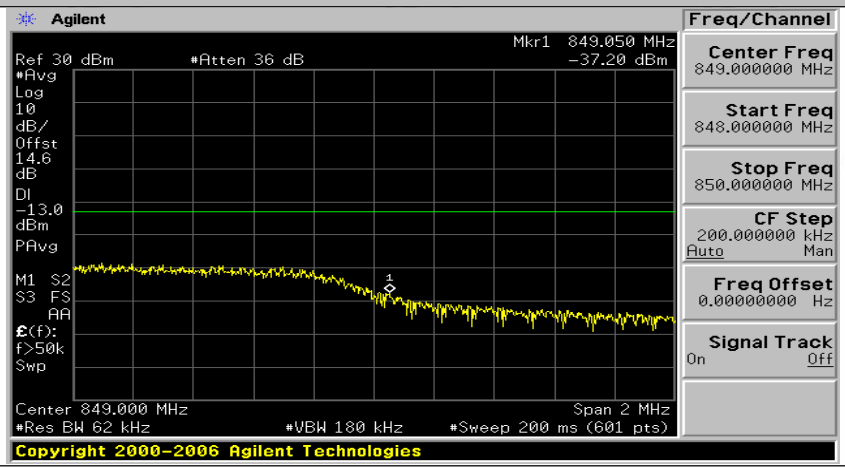
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



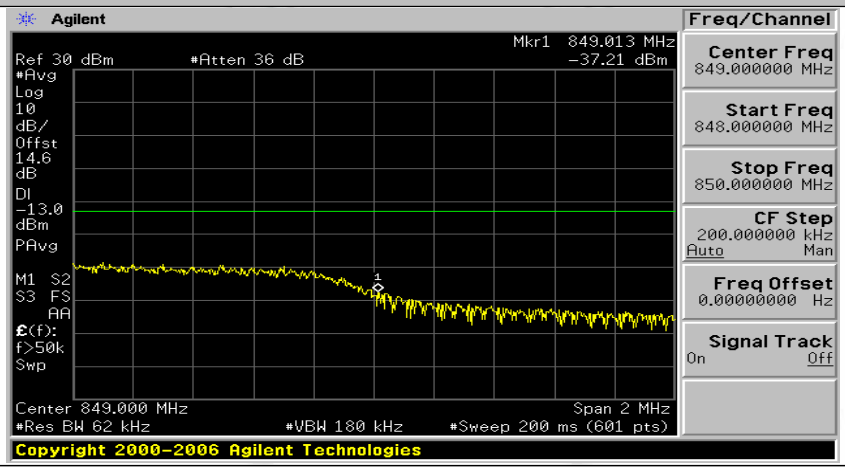
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



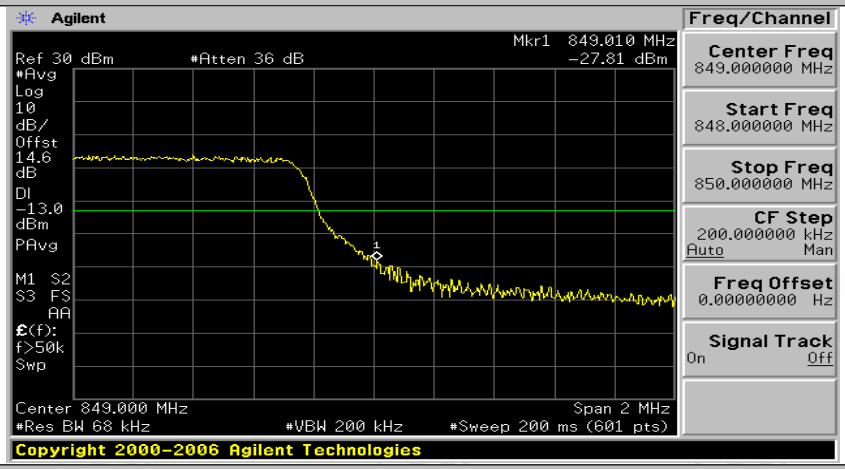
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



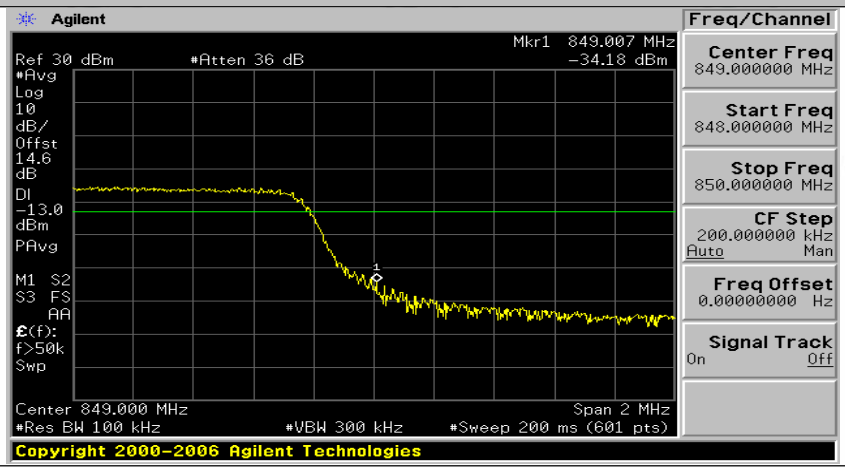
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



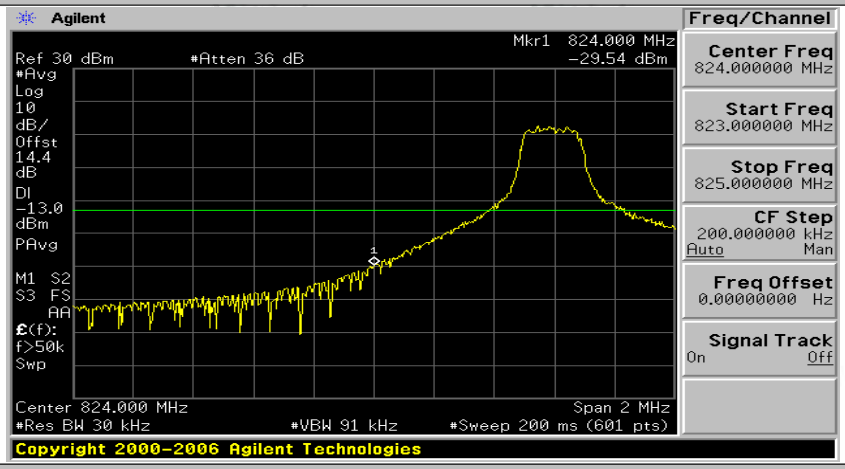
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



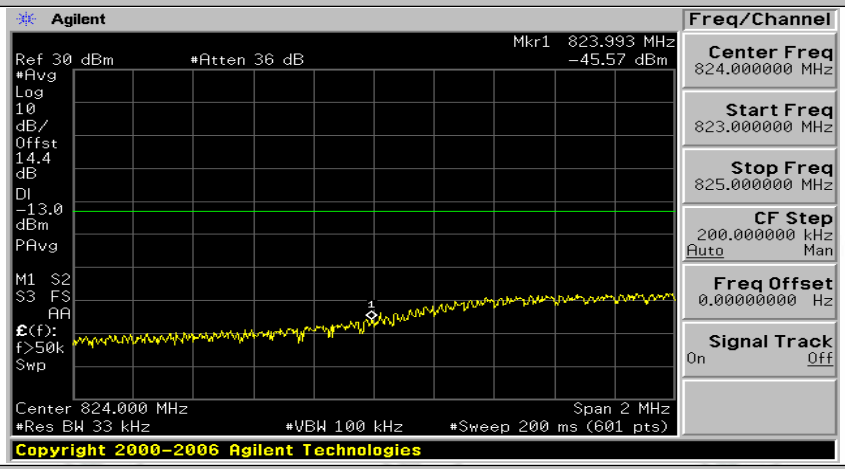
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



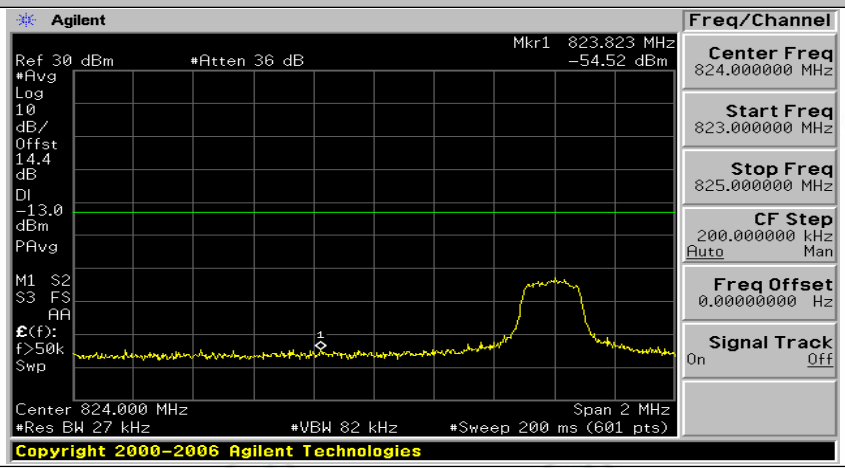
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



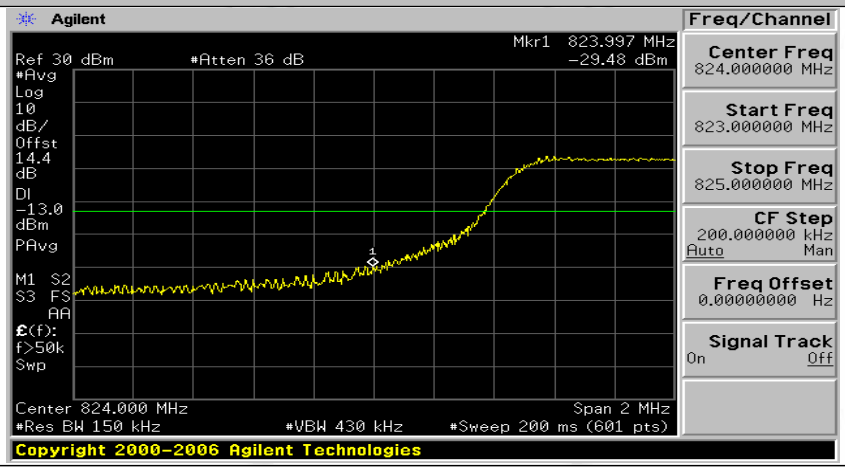
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



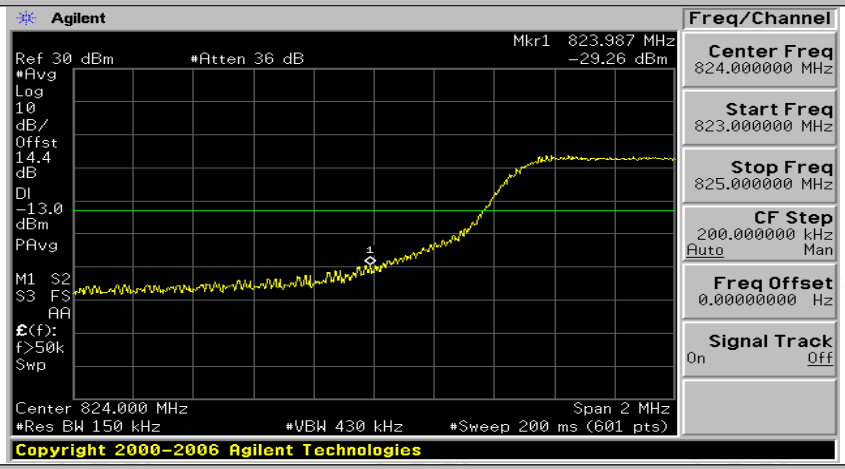
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



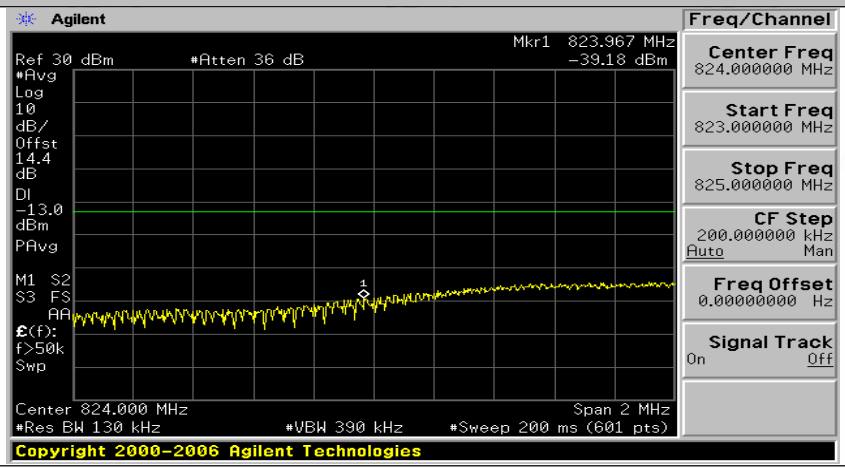
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



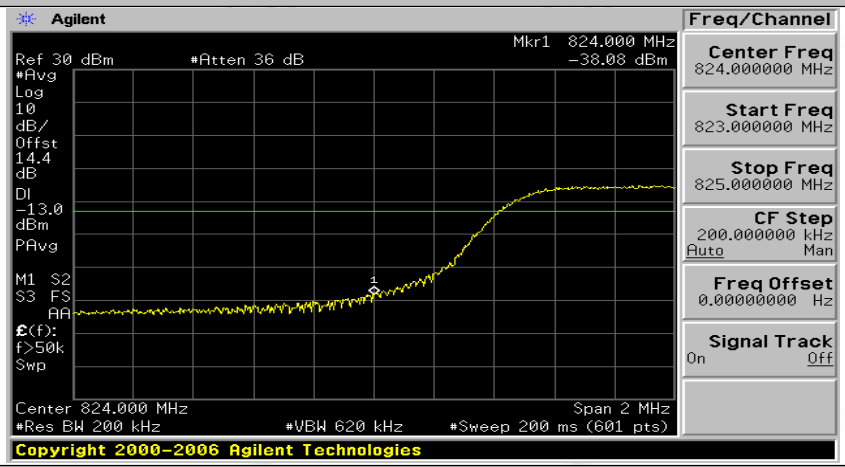
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



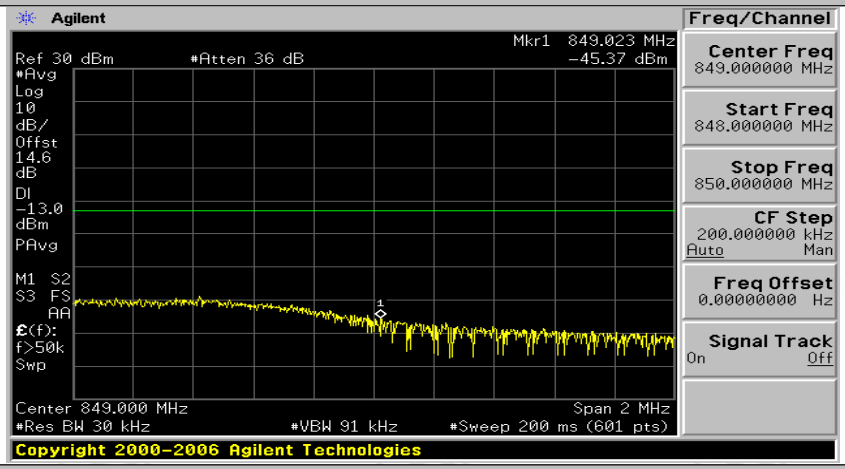
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



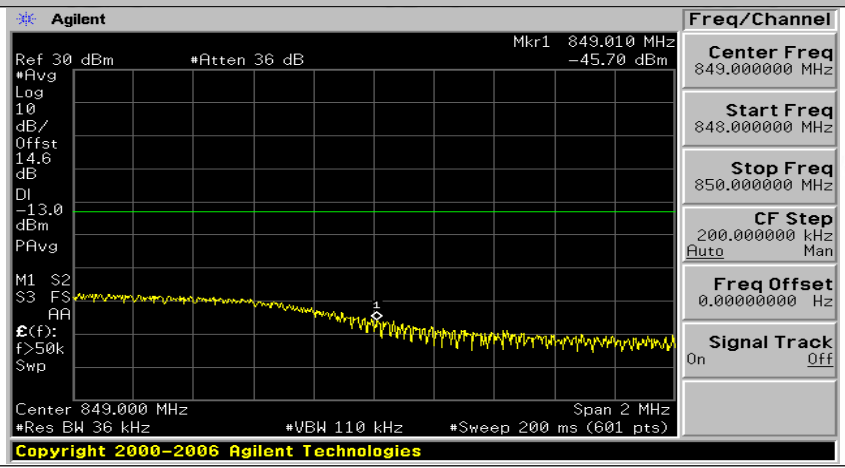
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



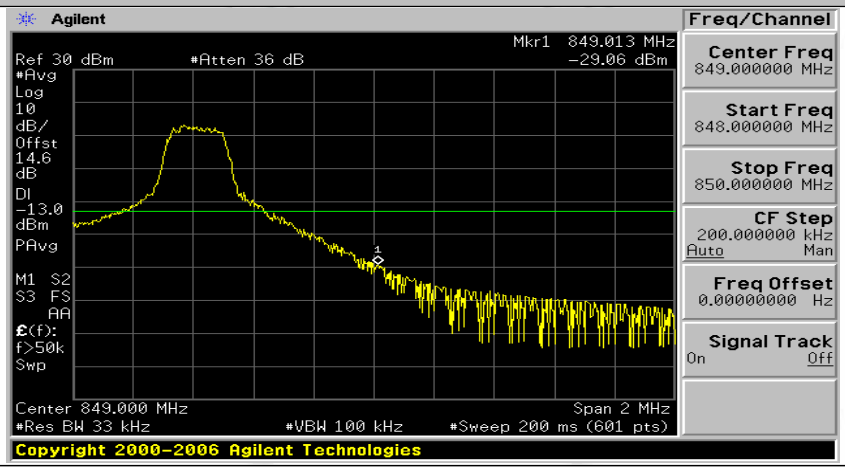
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



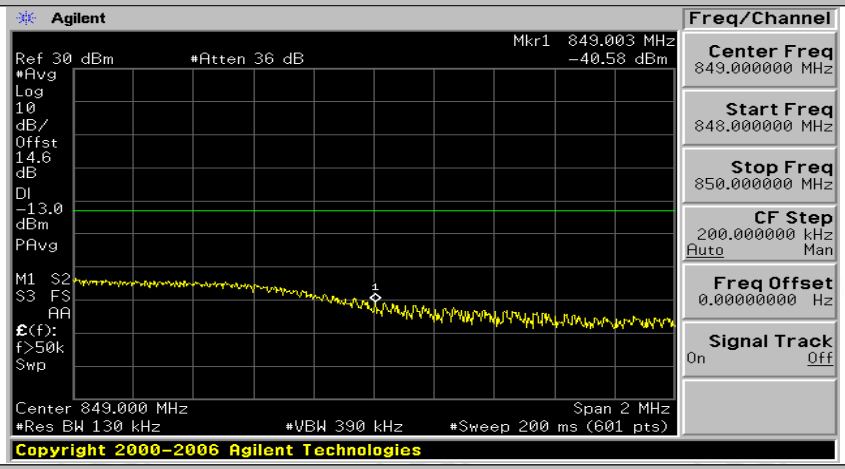
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



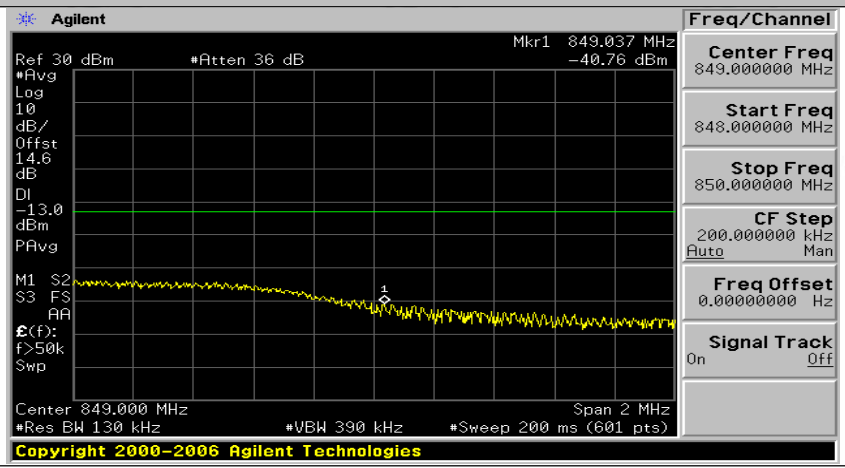
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



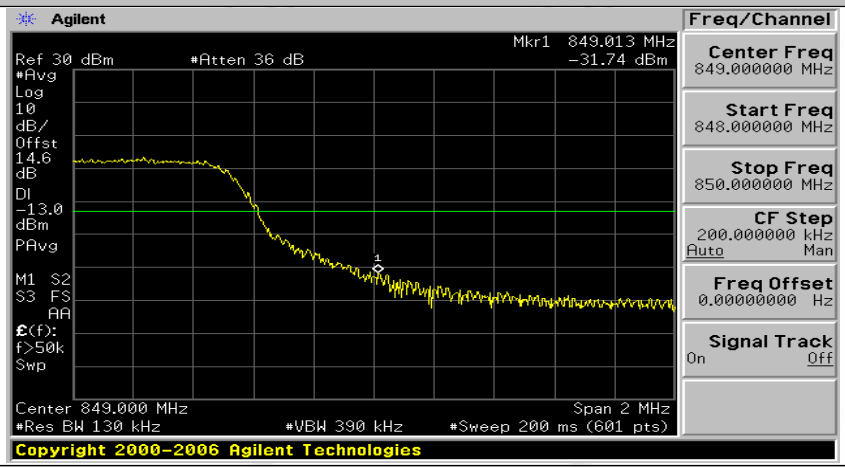
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



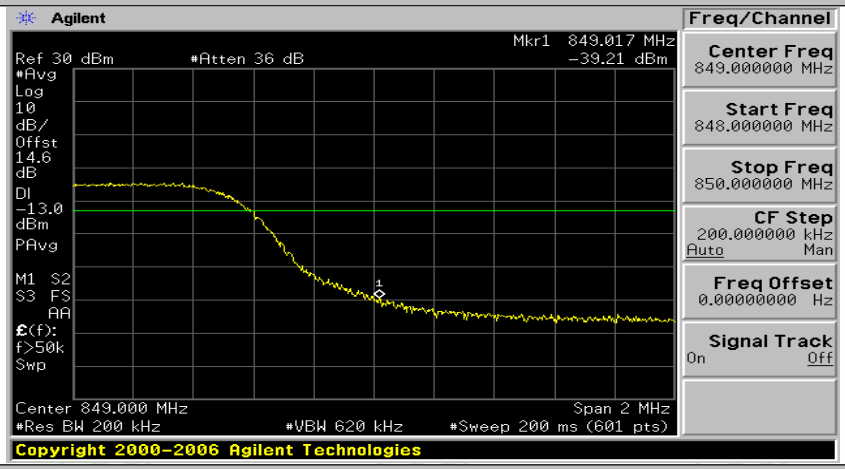
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



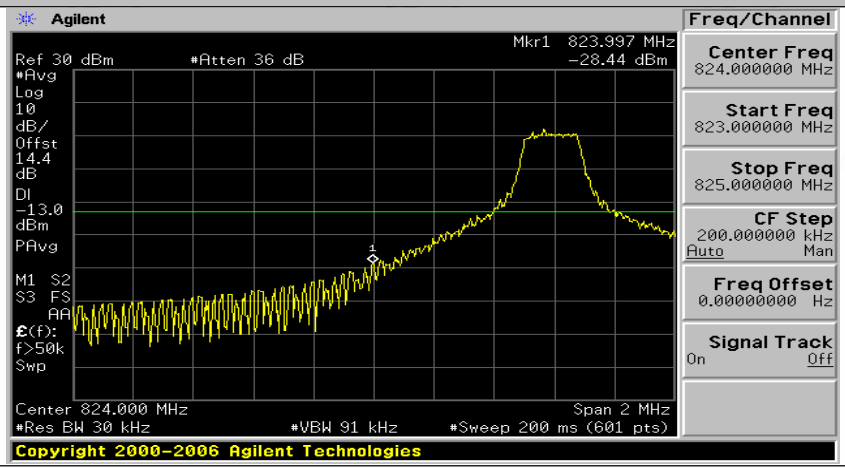
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



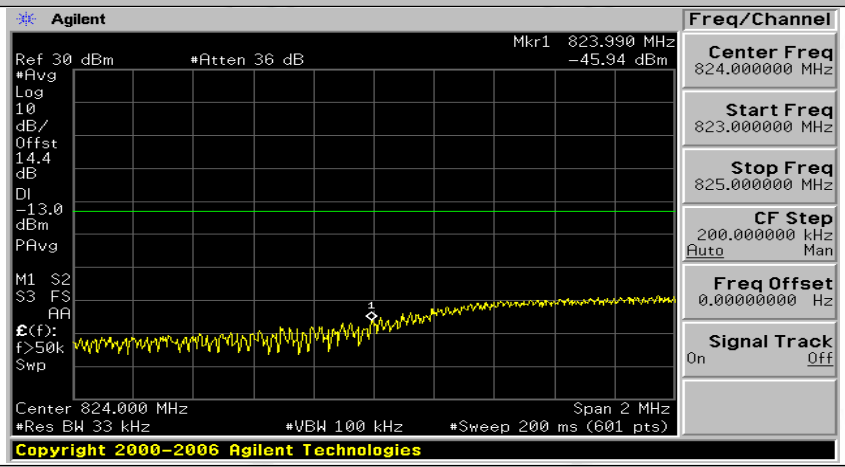
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



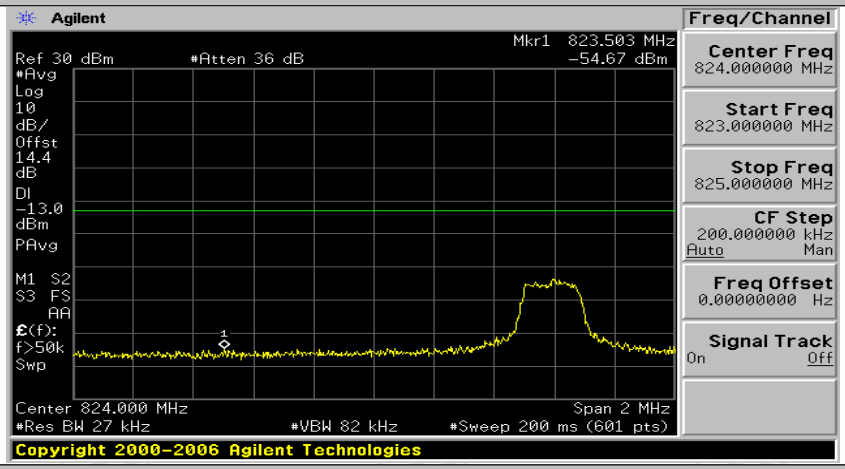
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



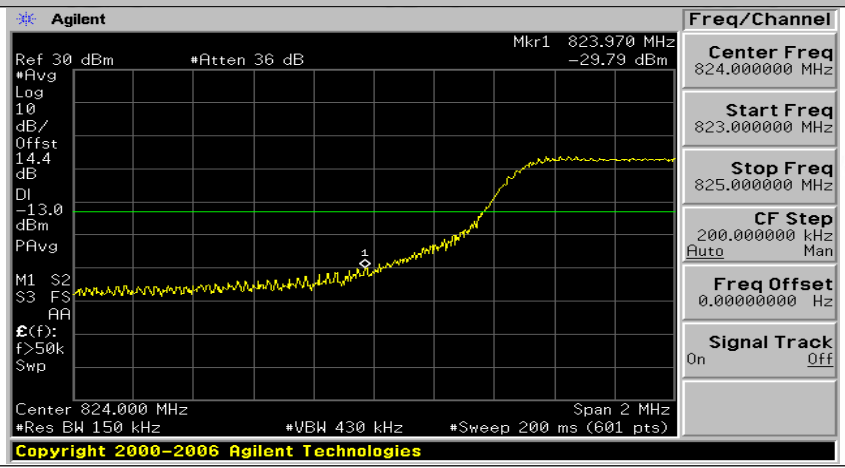
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



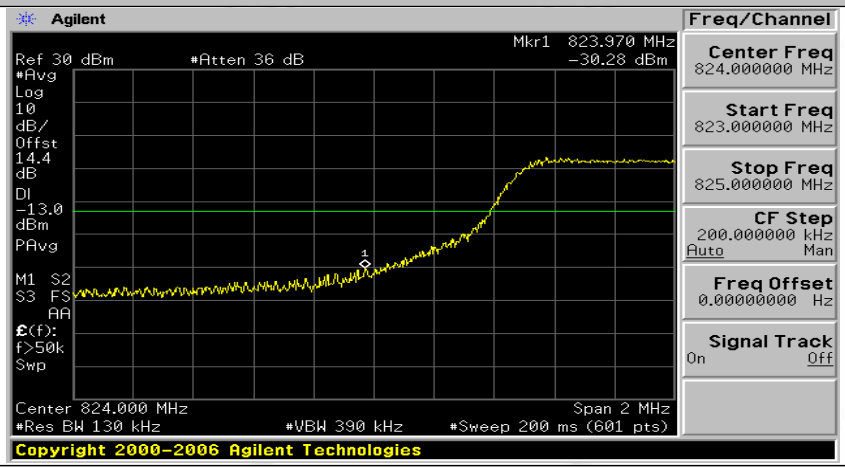
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



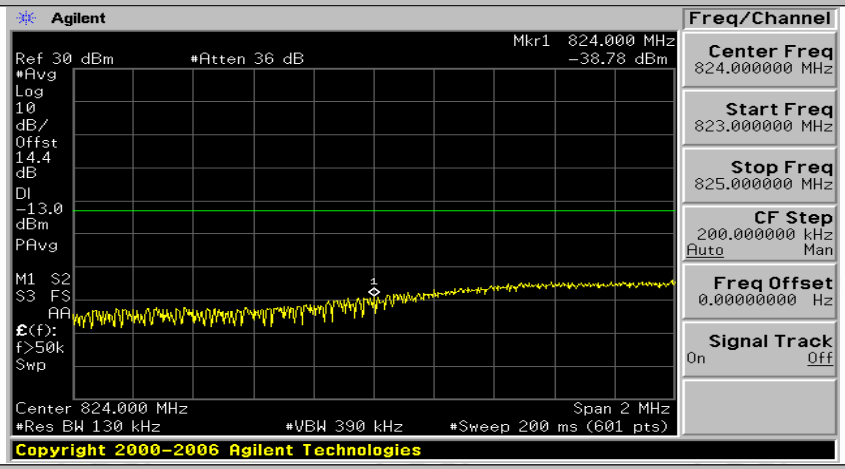
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



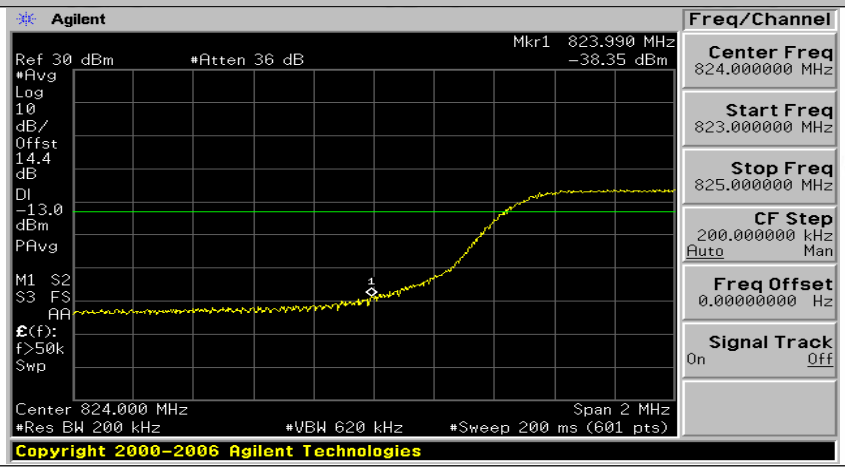
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



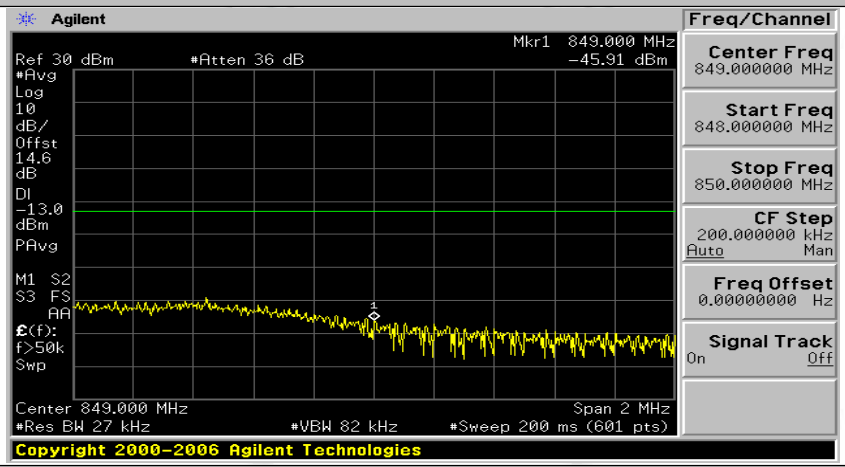
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



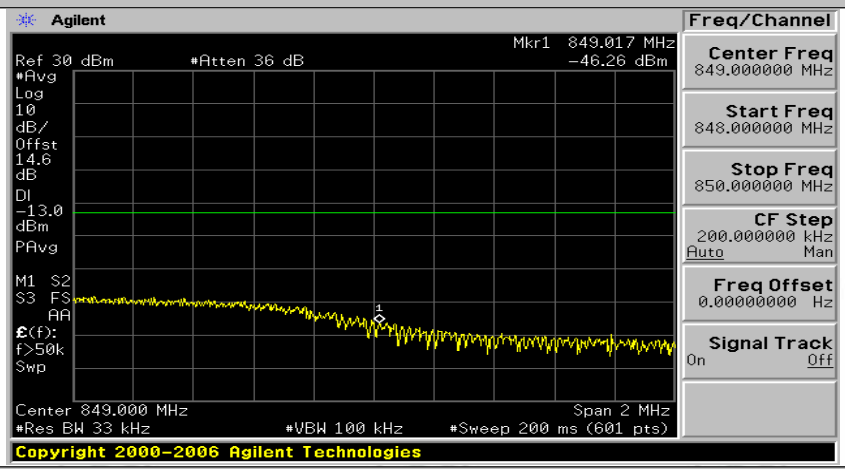
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



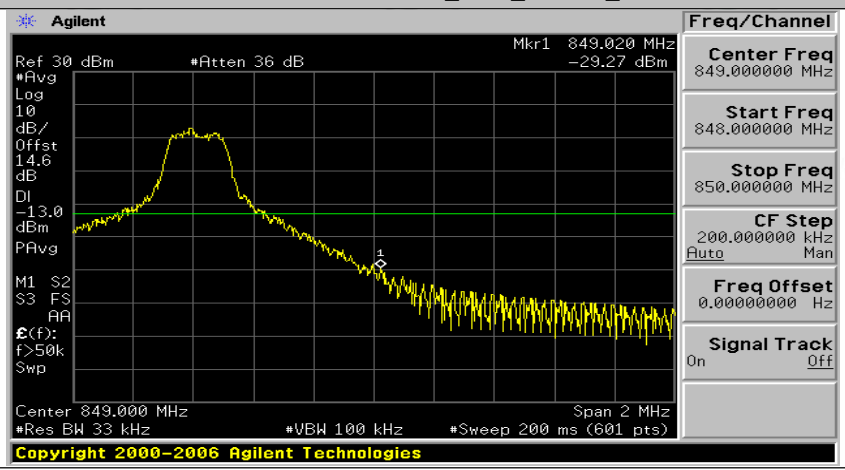
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



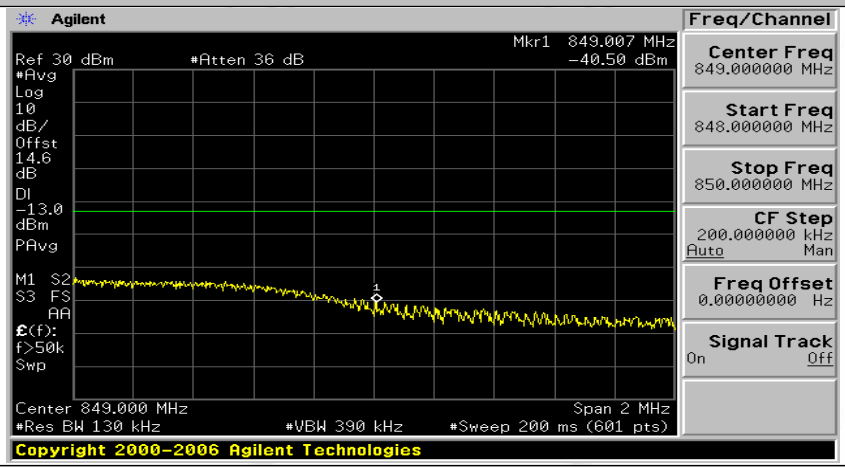
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



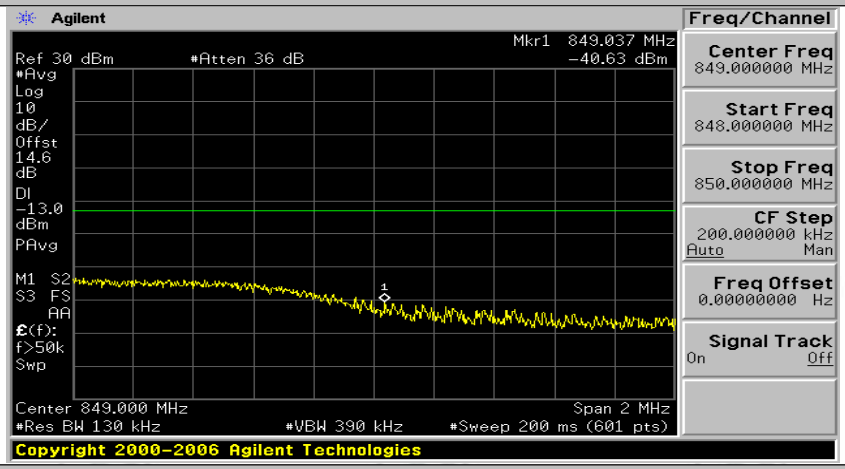
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



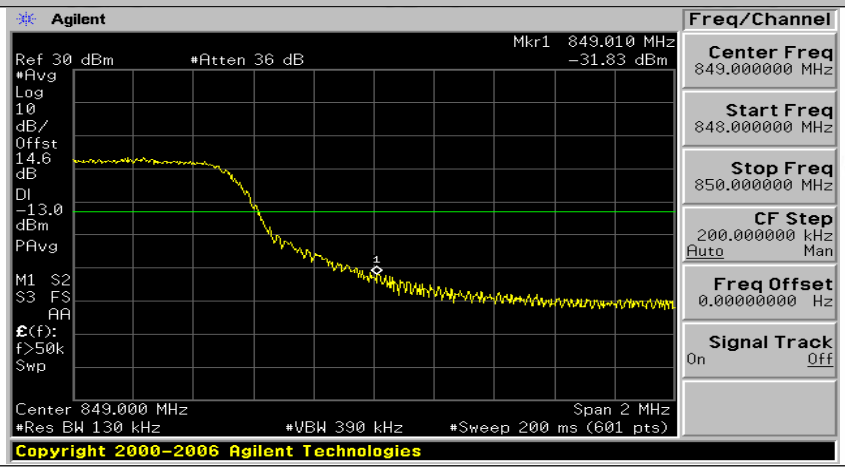
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



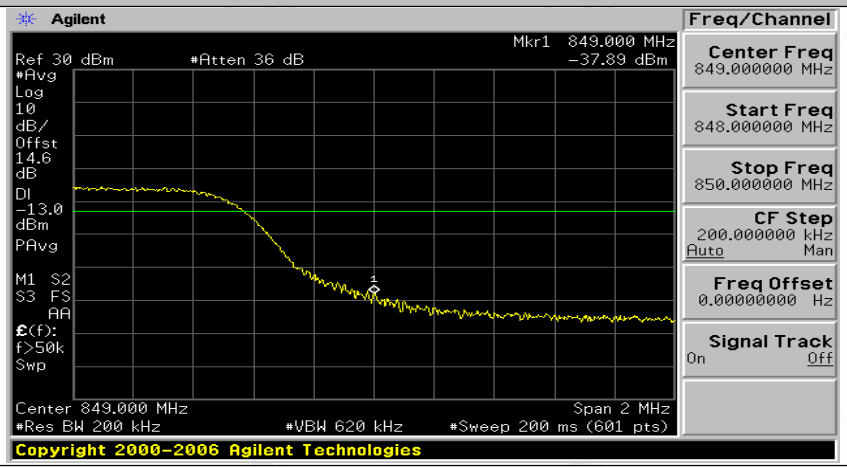
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



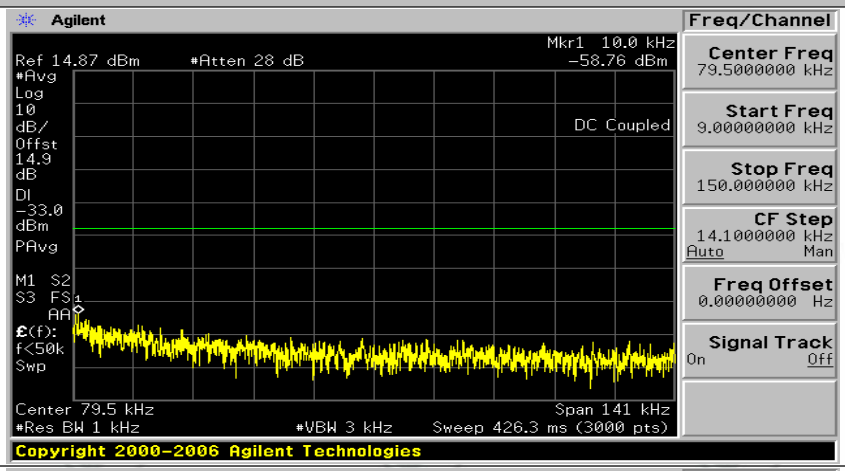
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

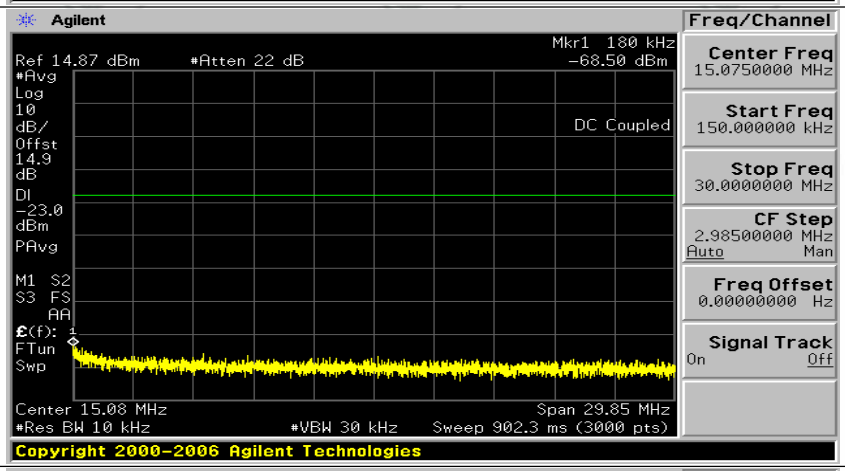


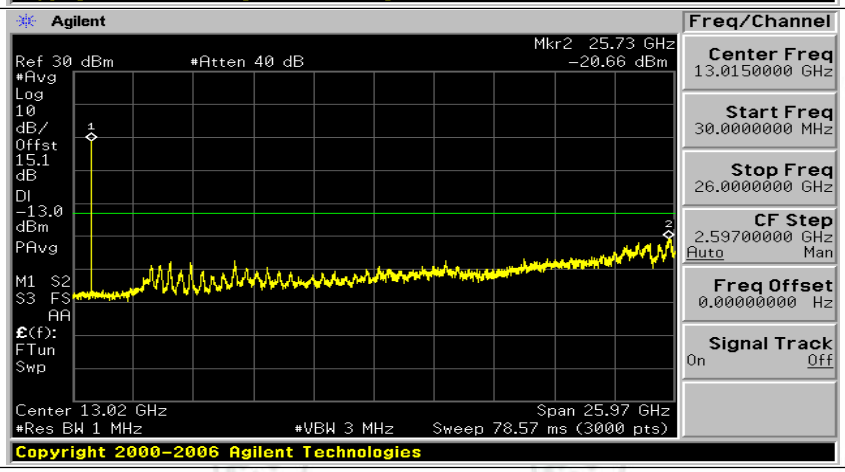
Appendix E: Conducted Spurious Emission

Test Graphs
Channel Bandwidth: 1.4 MHz

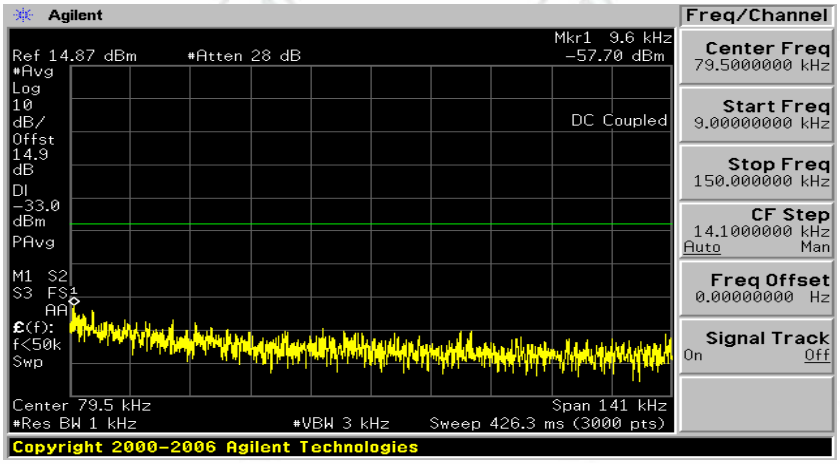
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

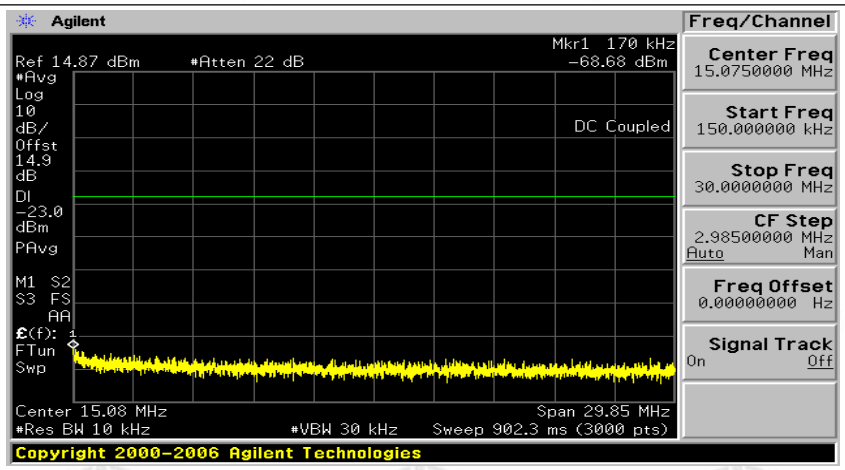


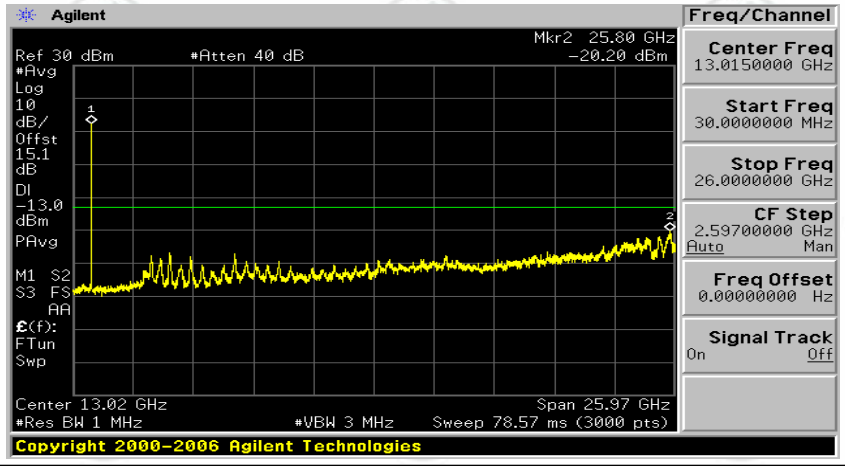




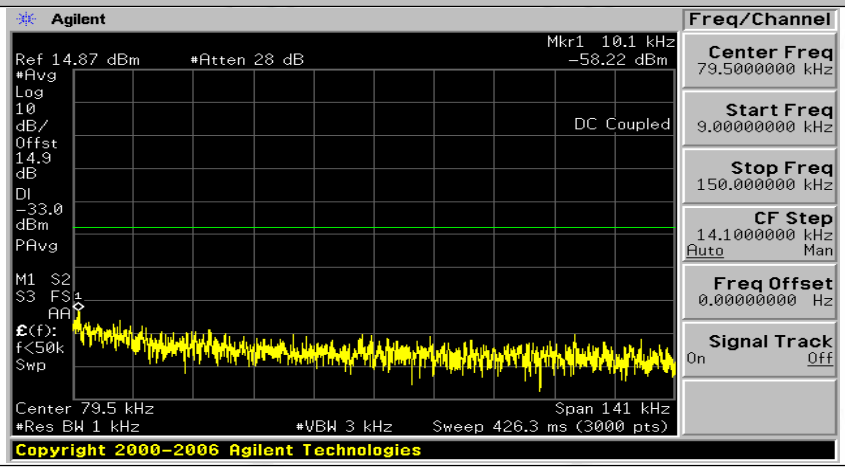
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

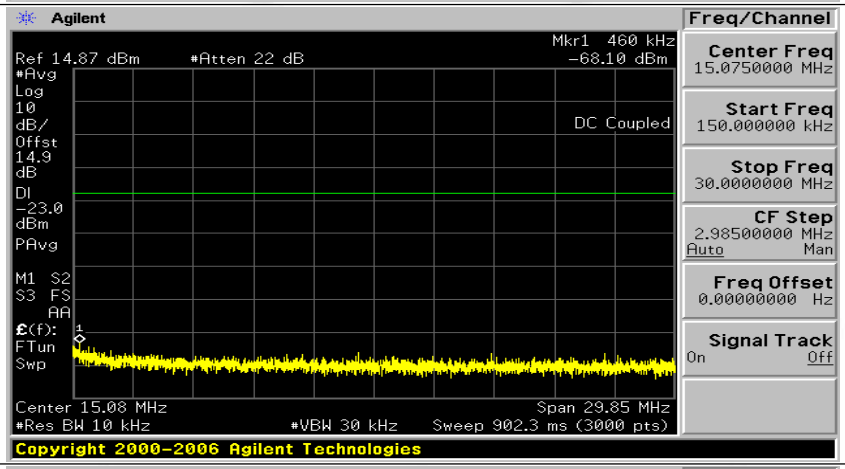


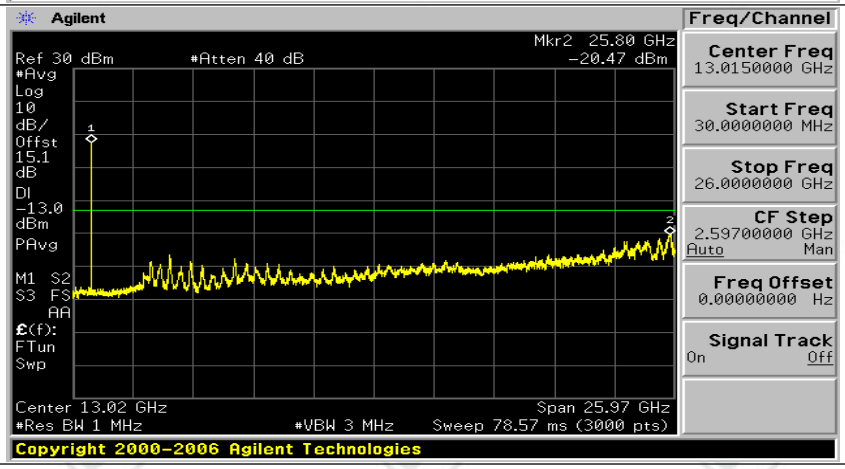




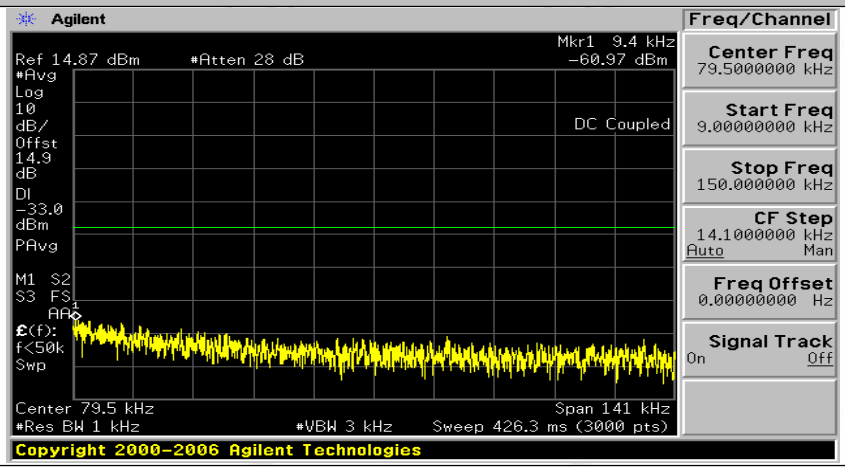
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

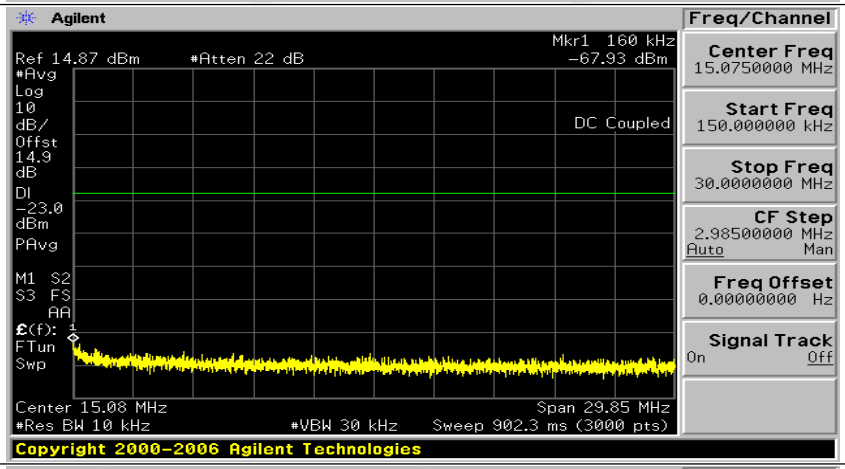


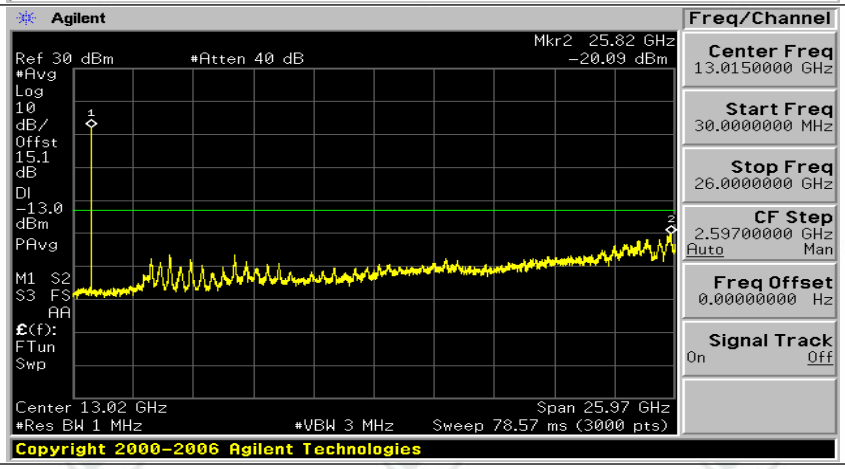




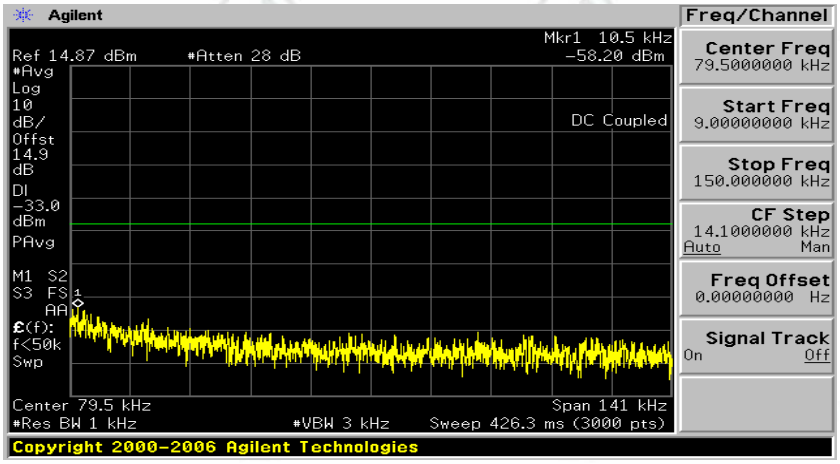
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

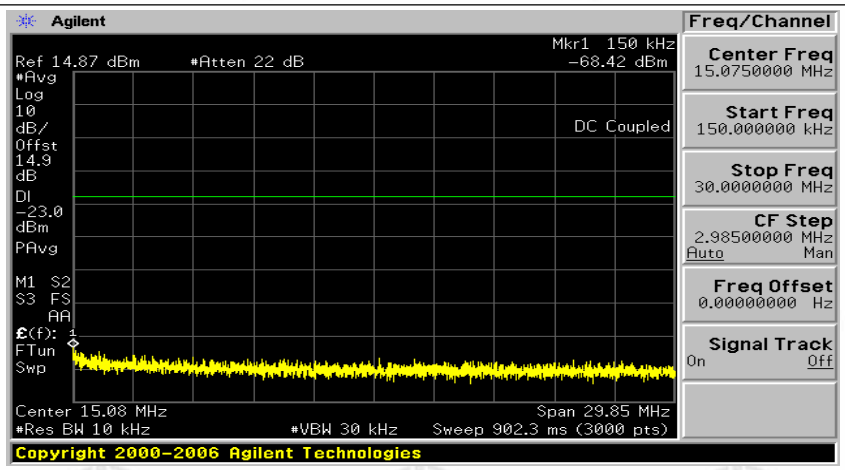


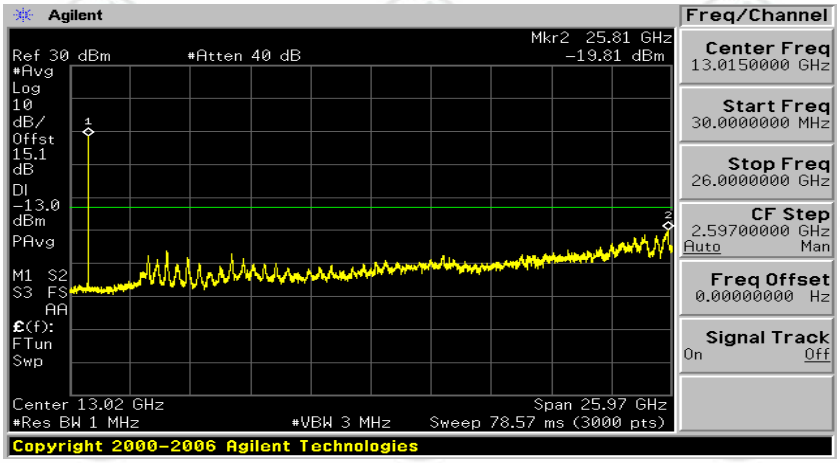




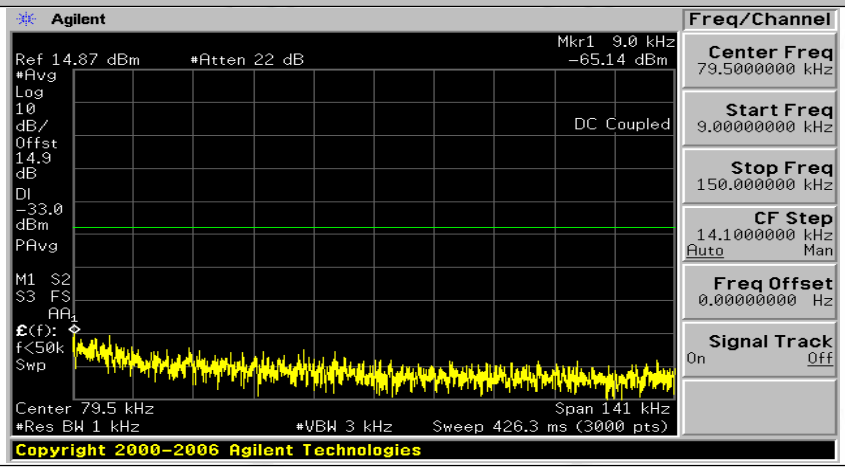
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

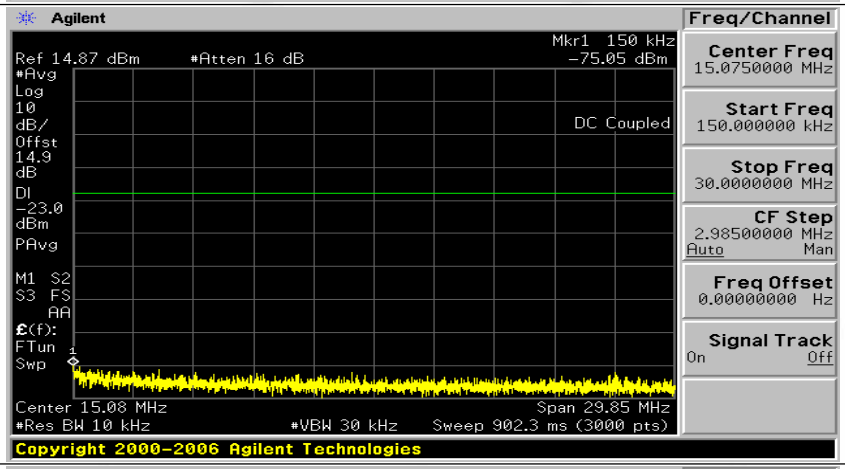


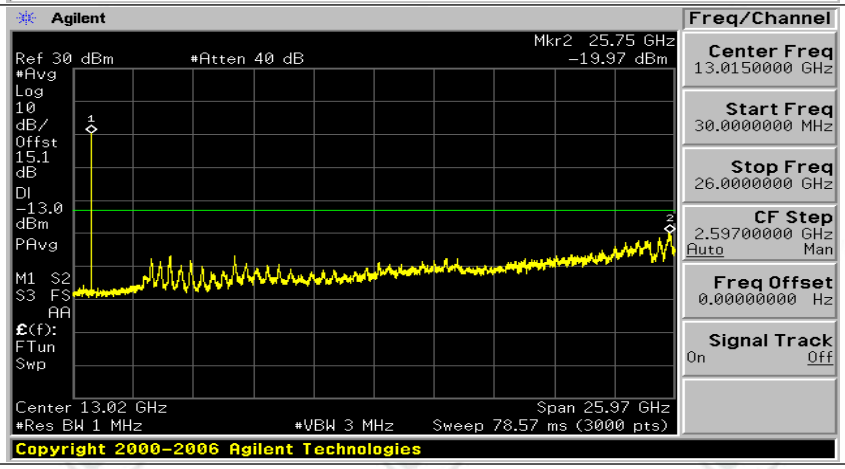




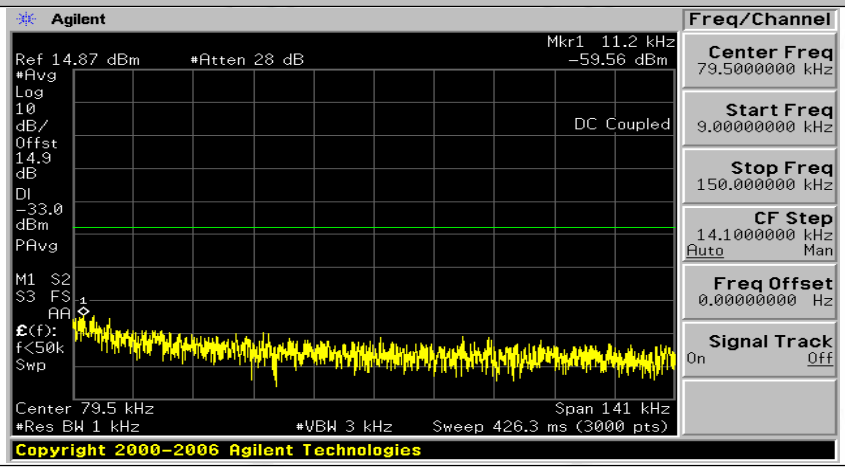
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

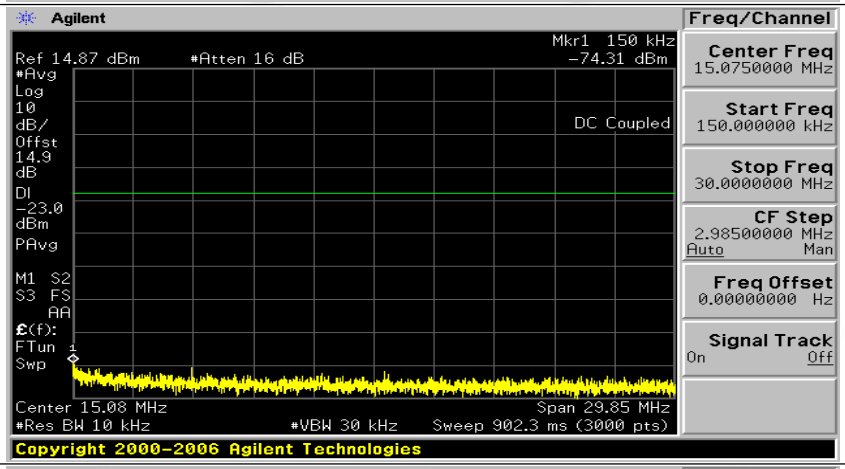


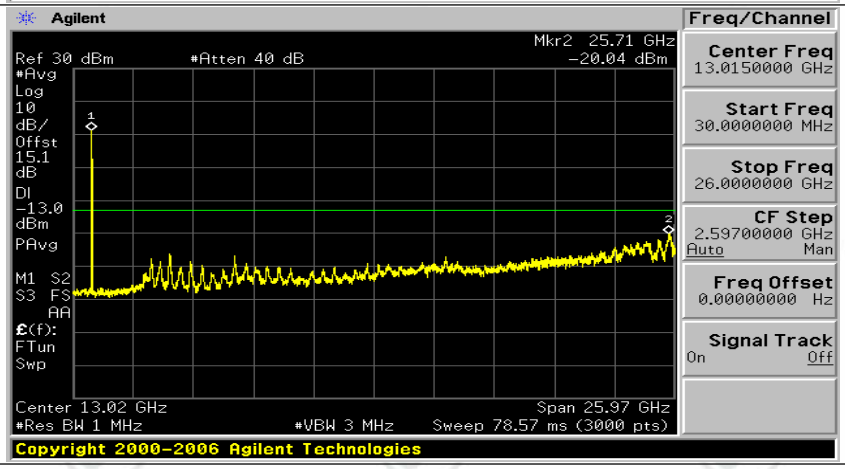




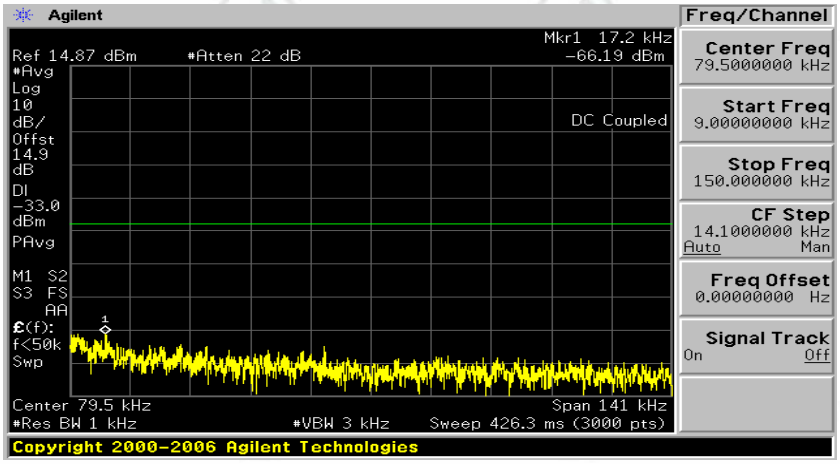
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

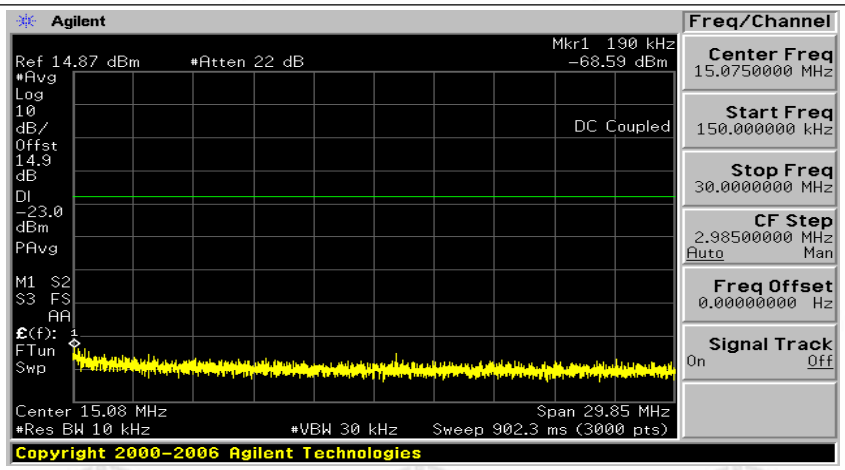


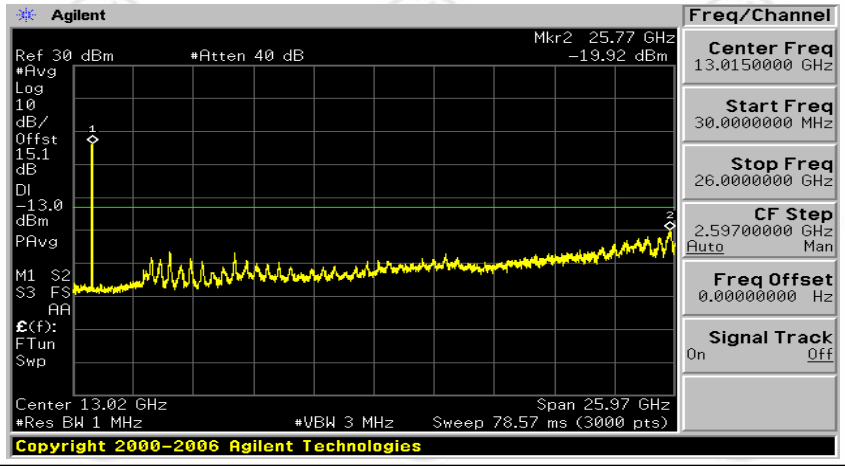




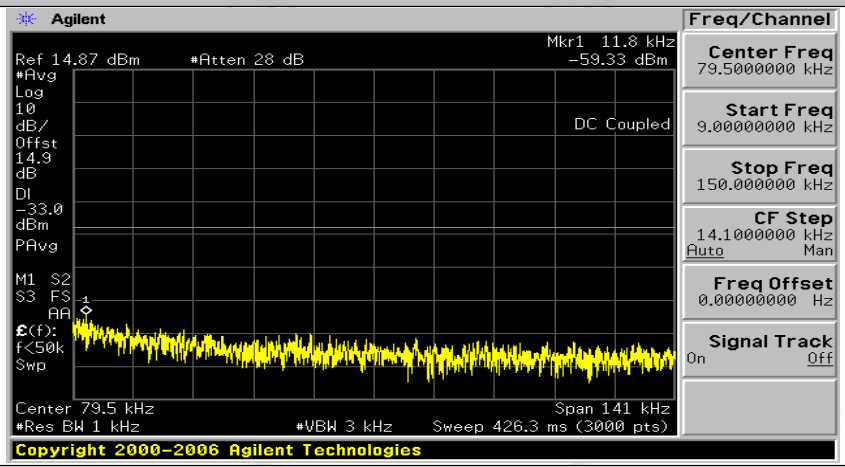
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

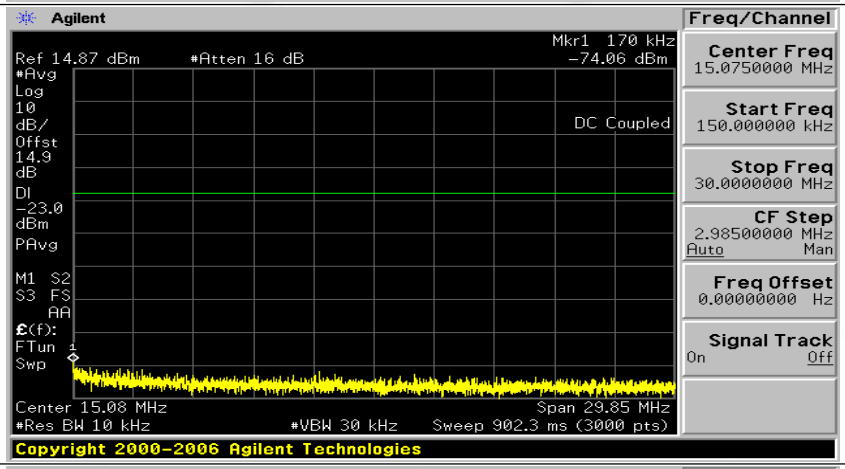


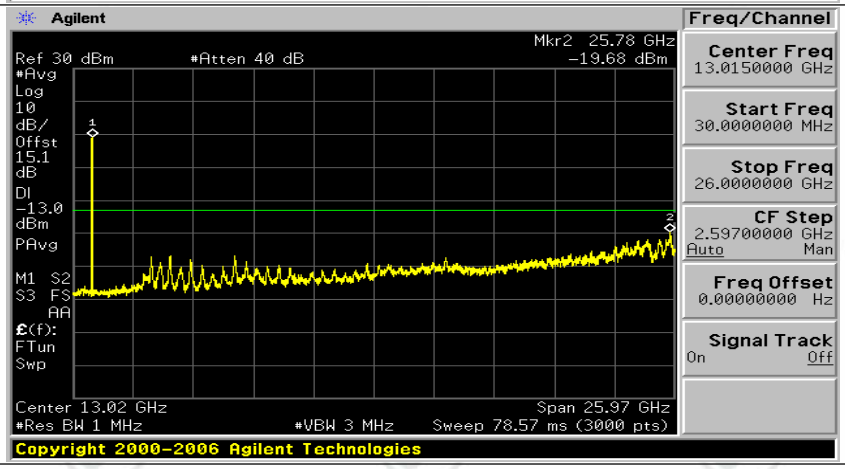


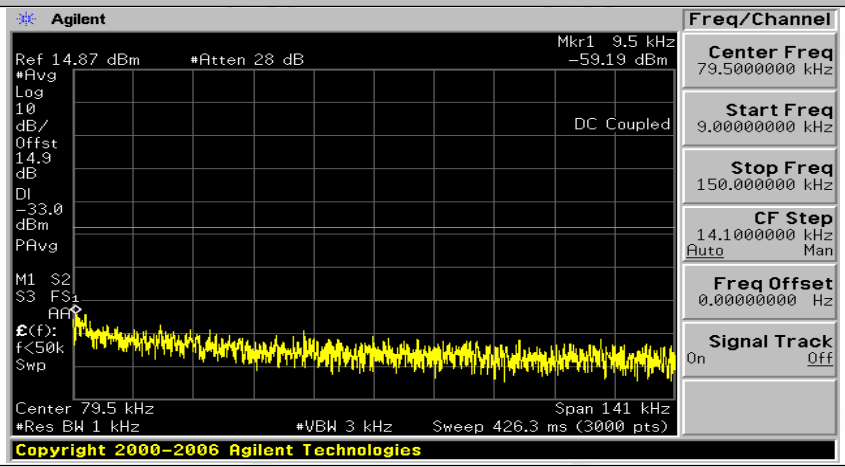
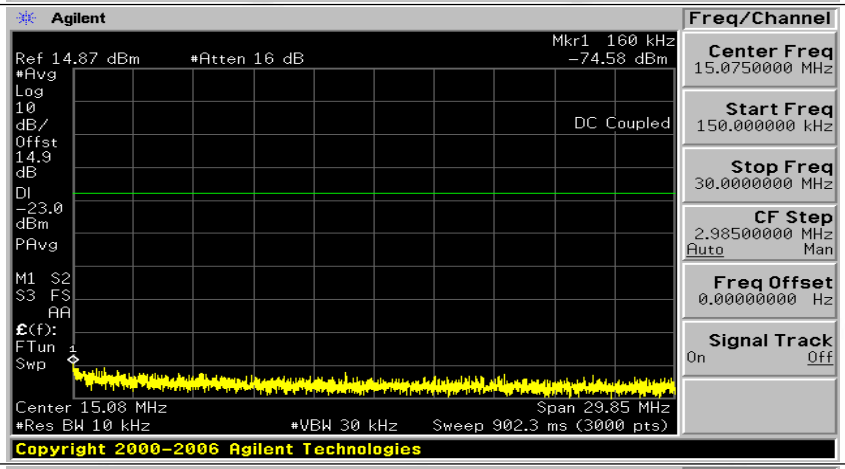
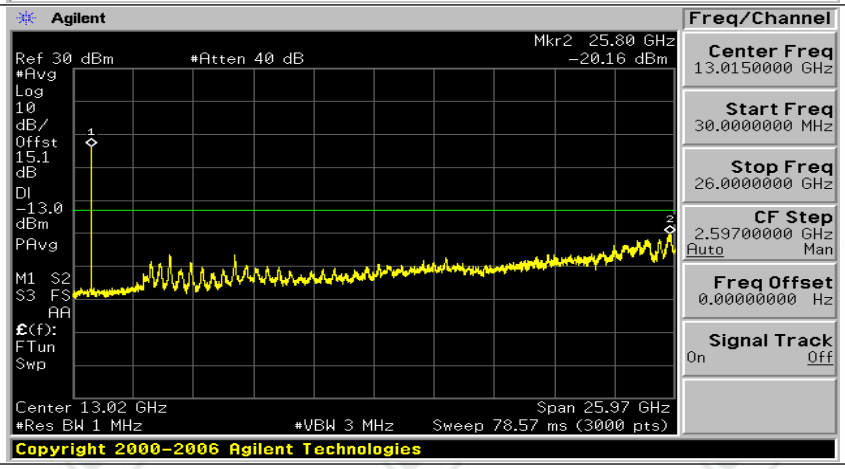


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

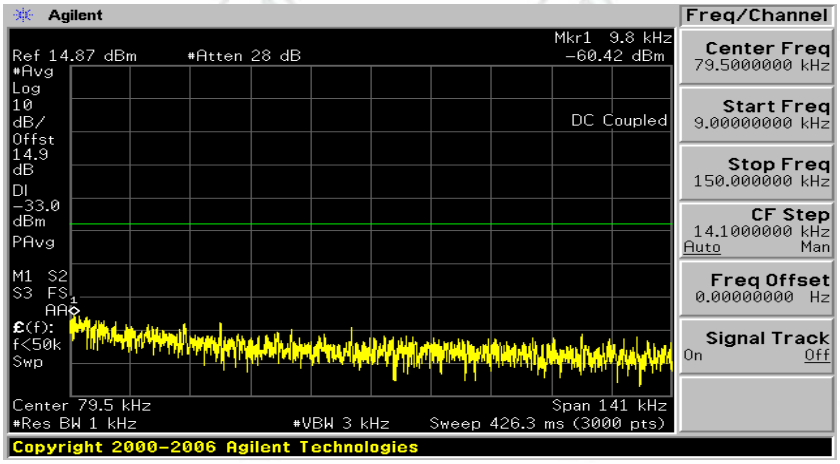


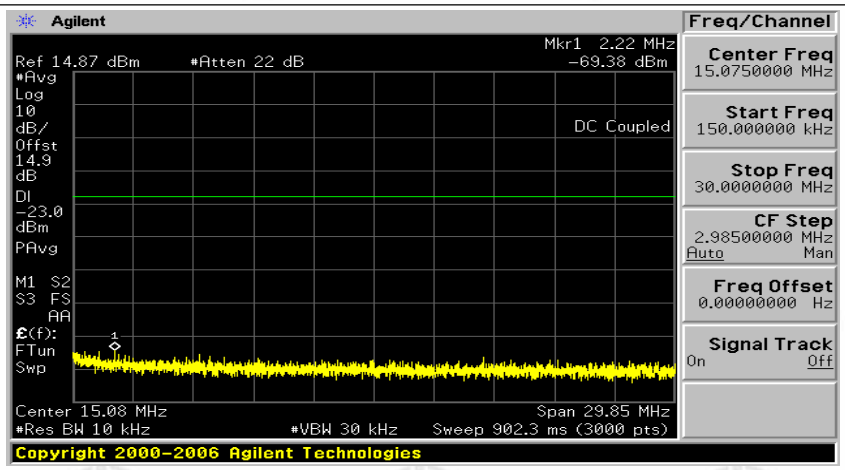


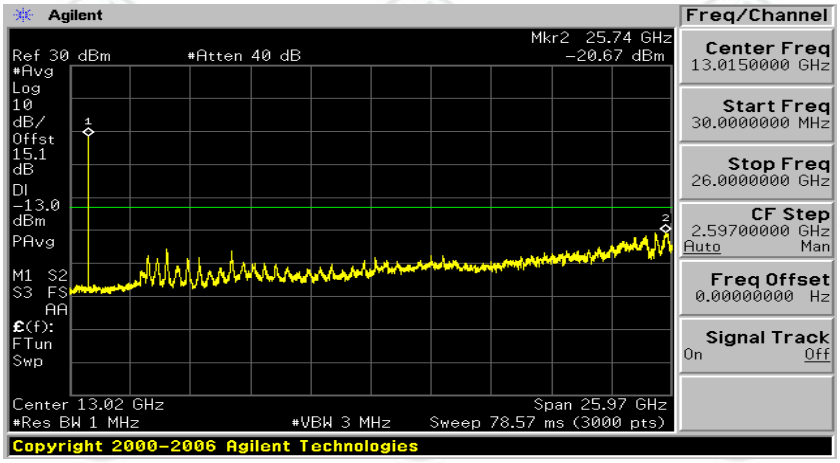


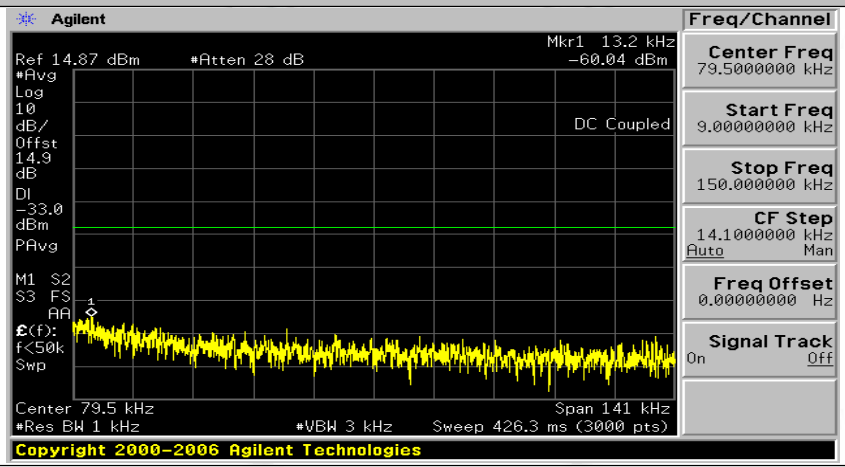
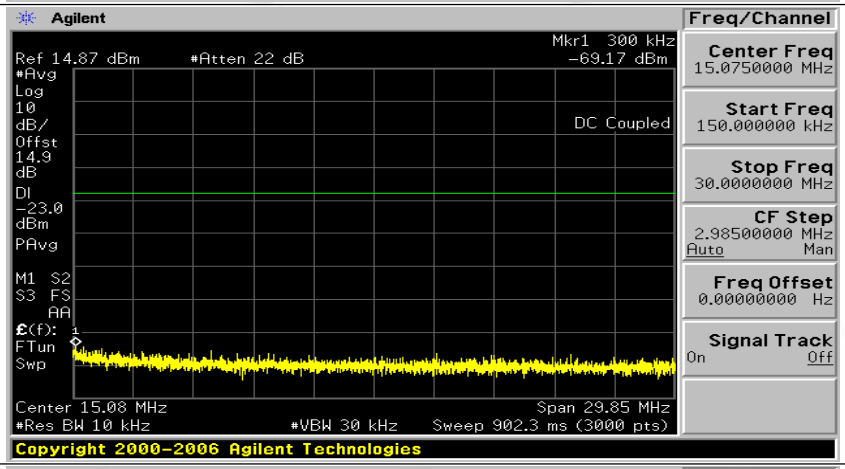
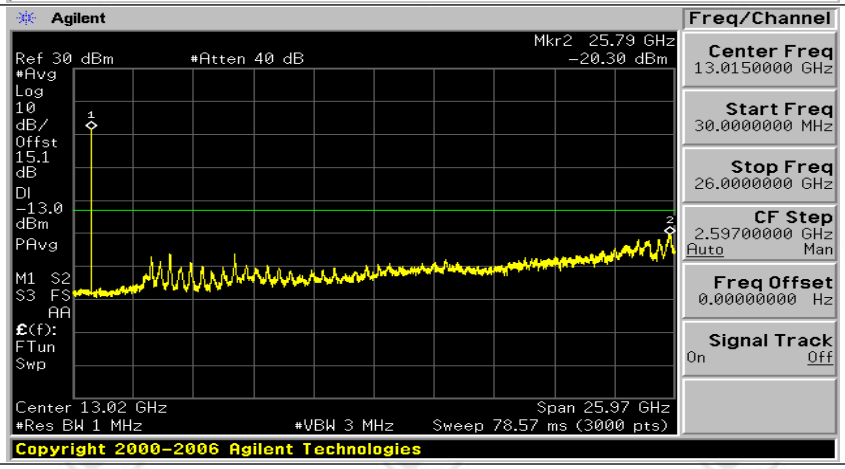
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0




(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

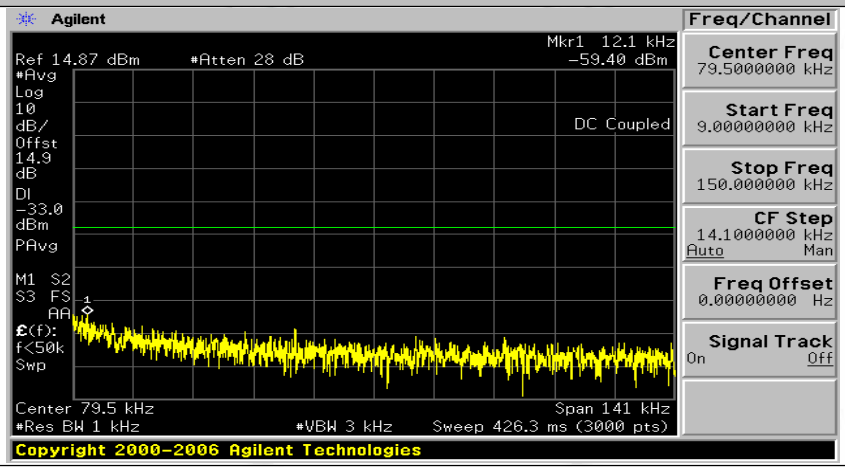


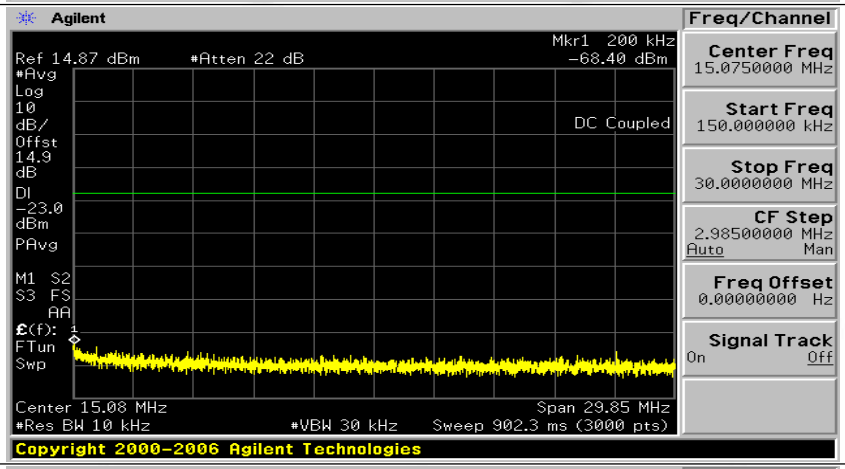


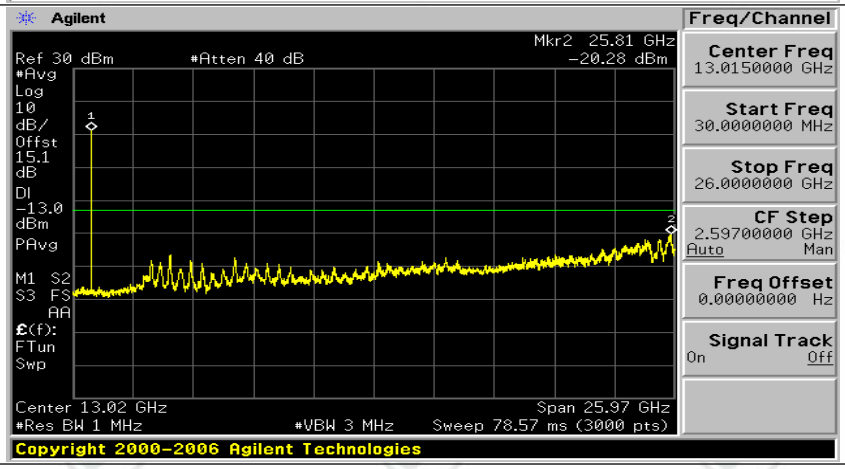


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5




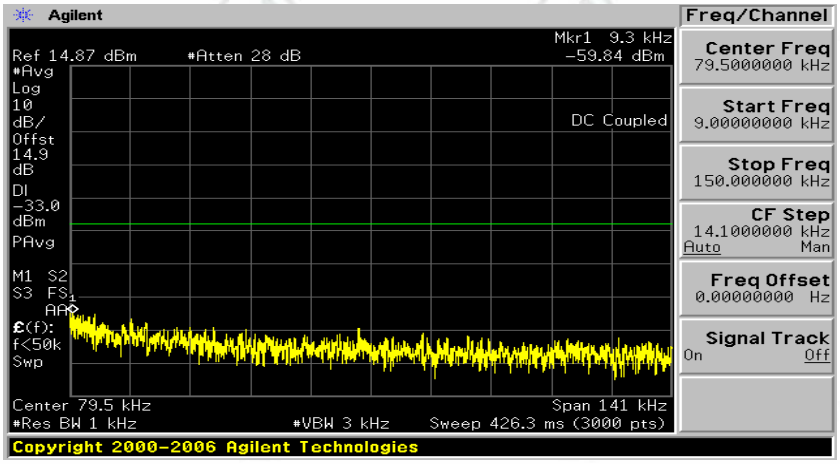
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

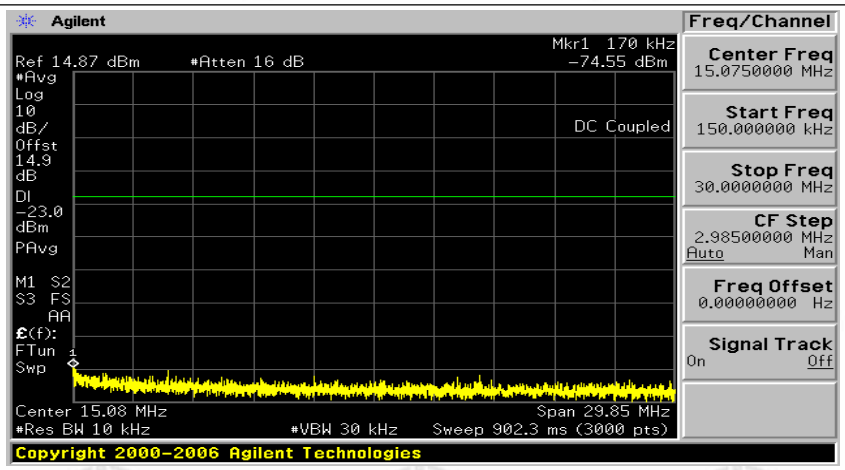


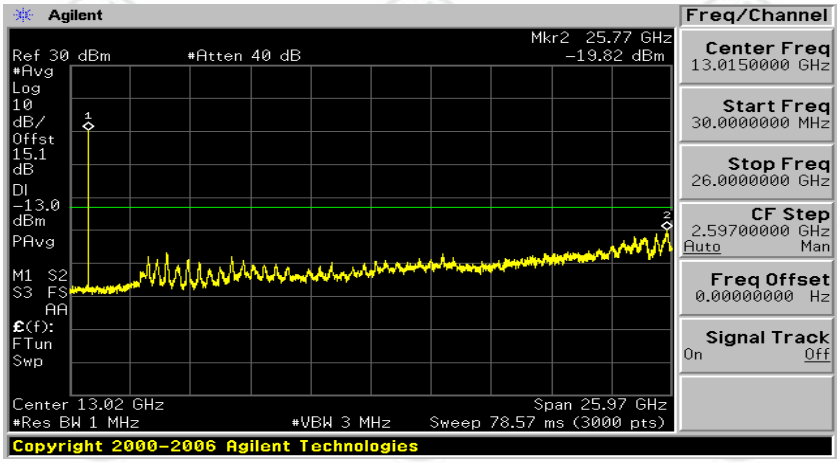




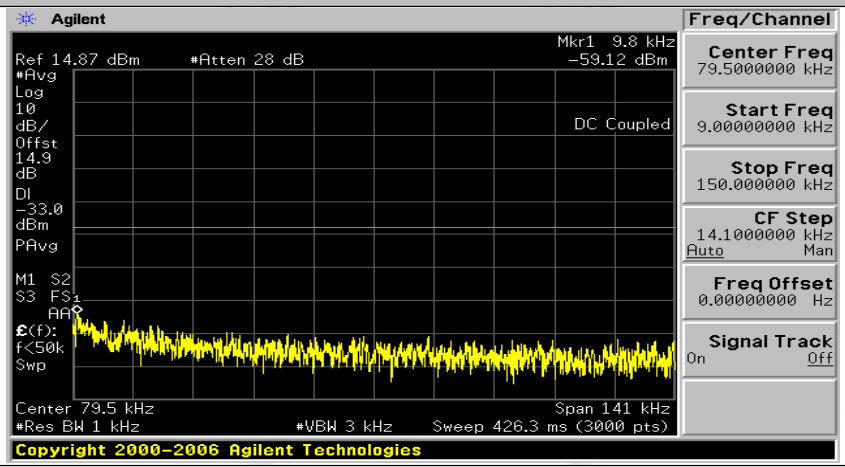
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

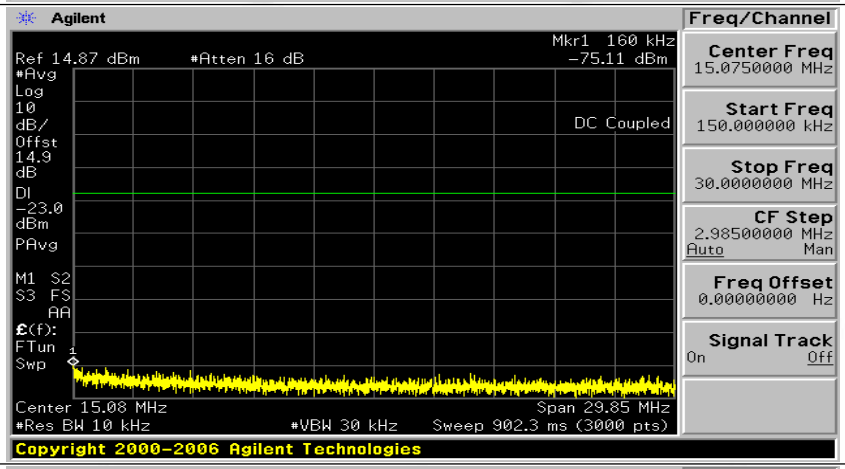


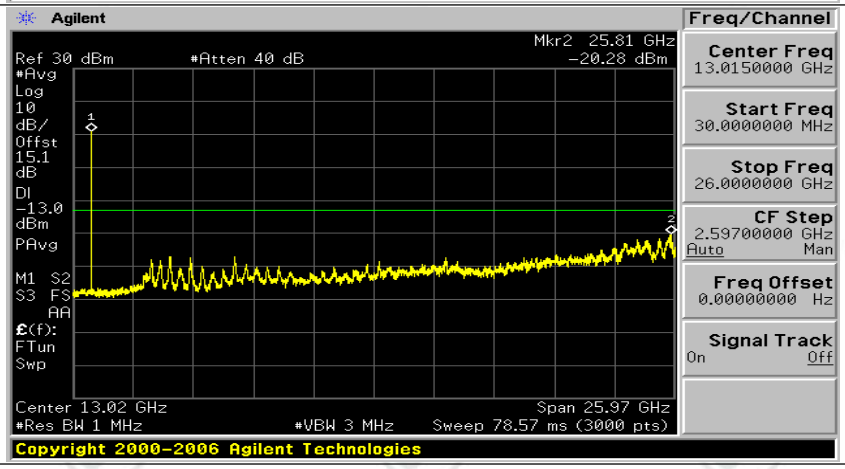




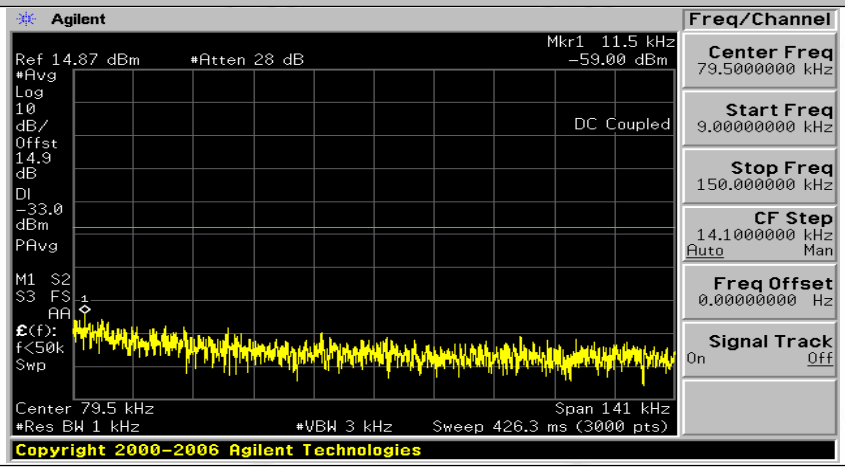
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

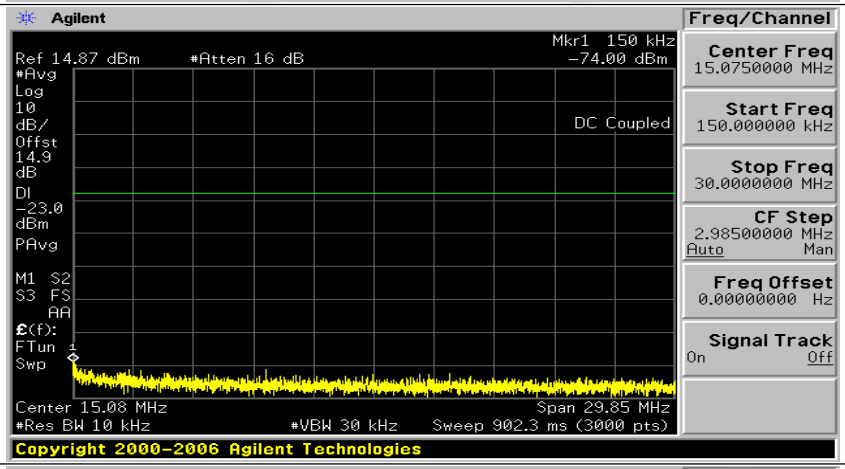


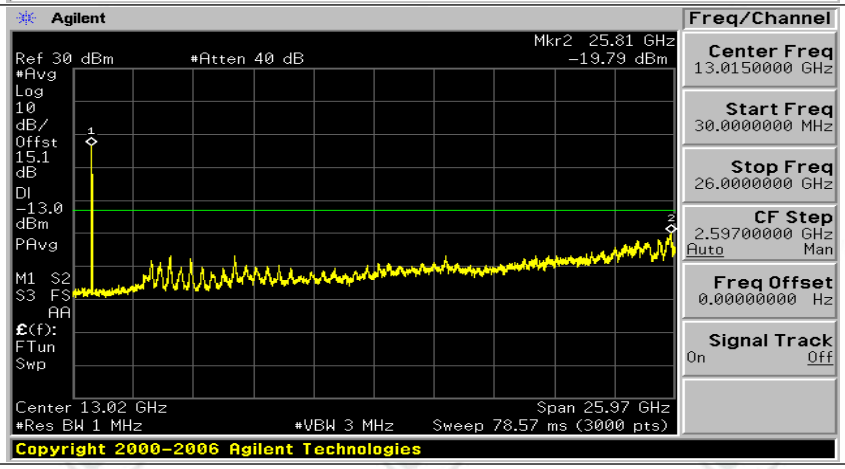


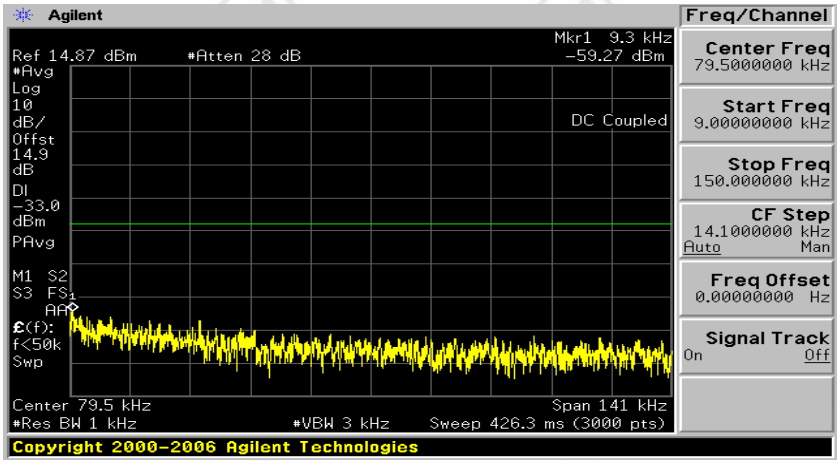
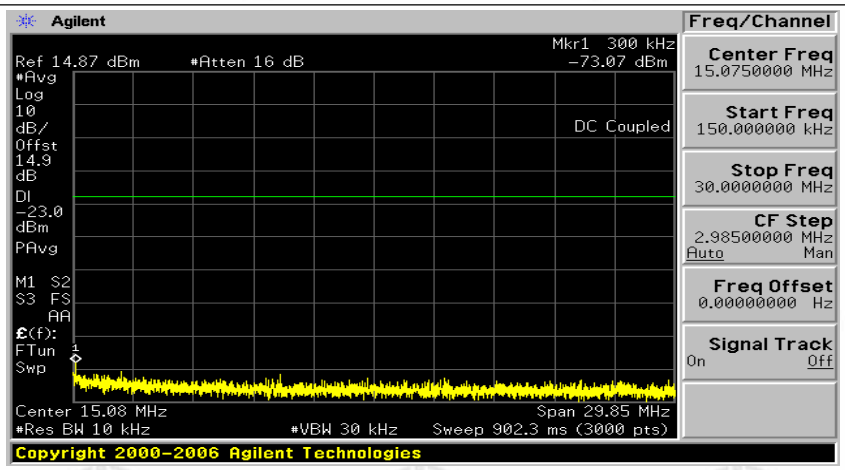
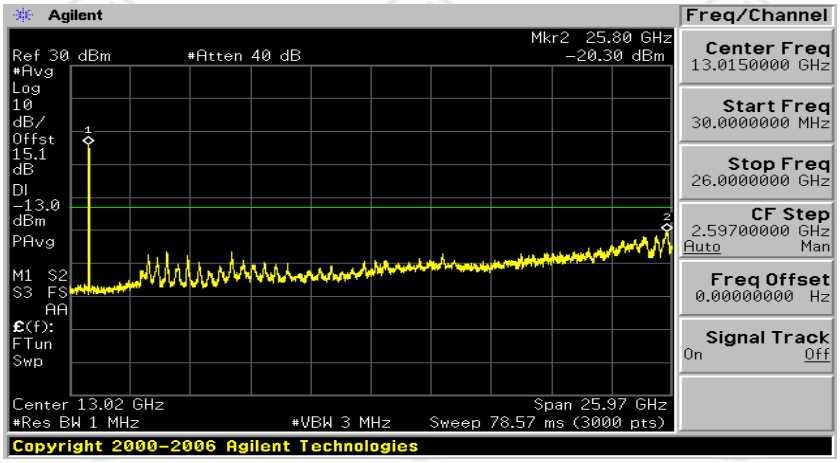


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

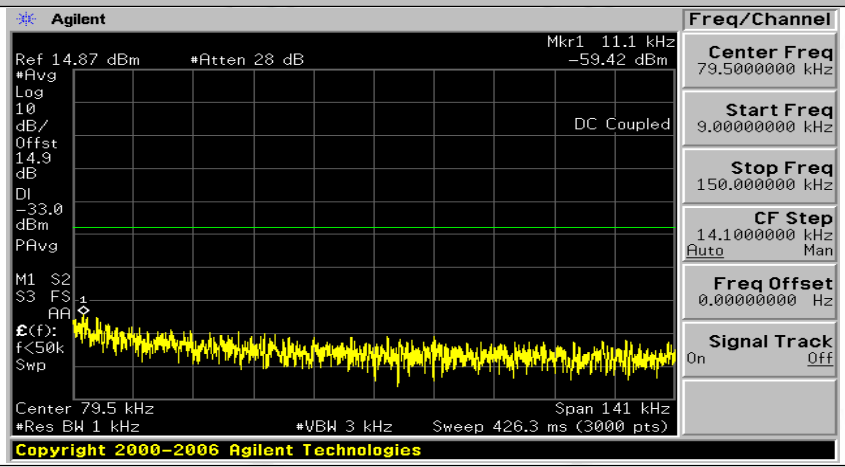


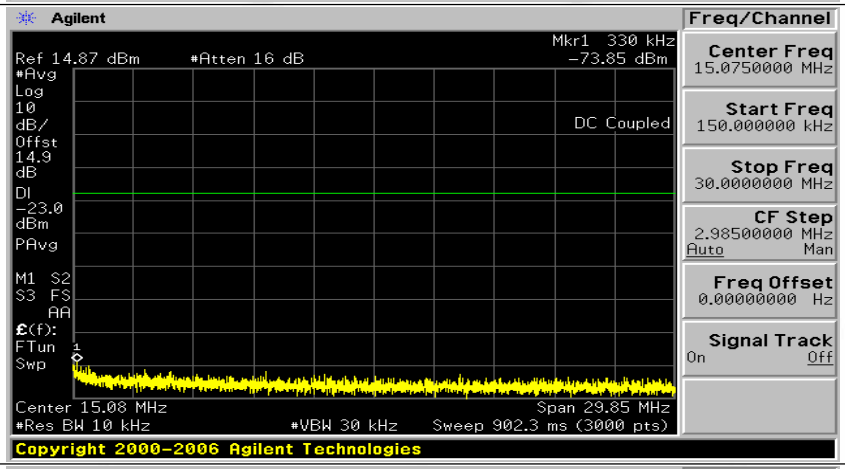


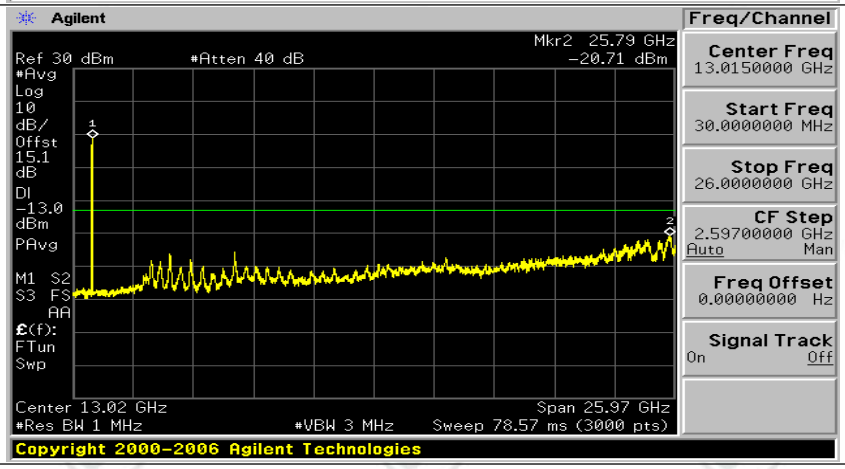


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3




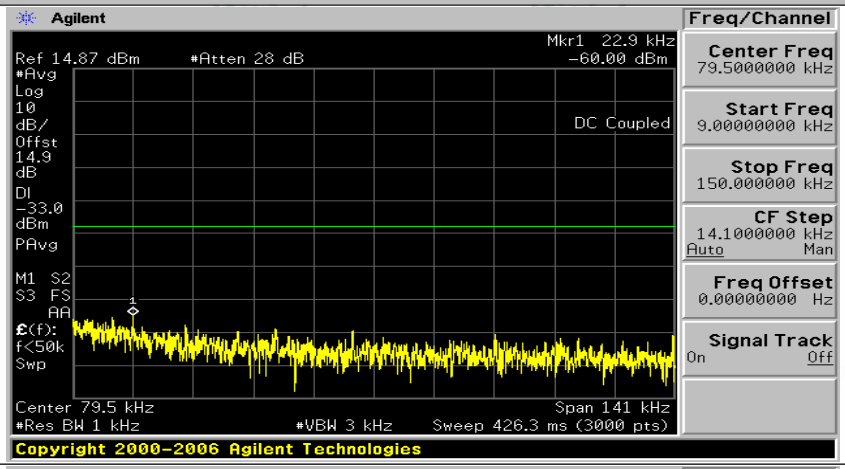
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

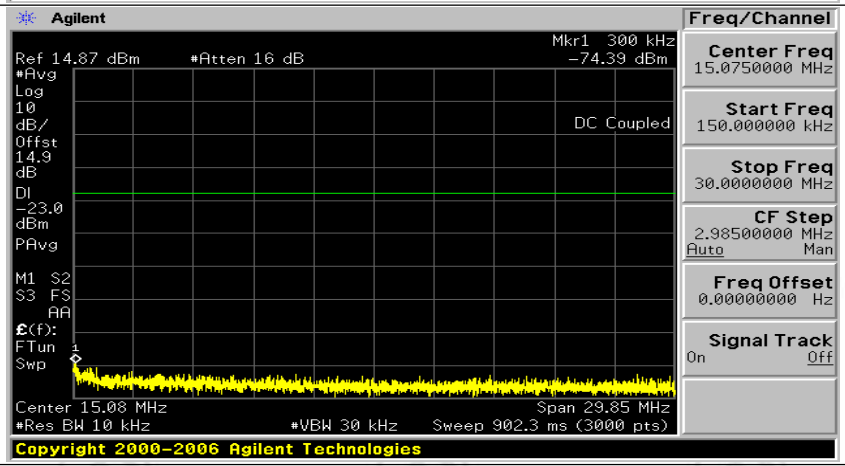


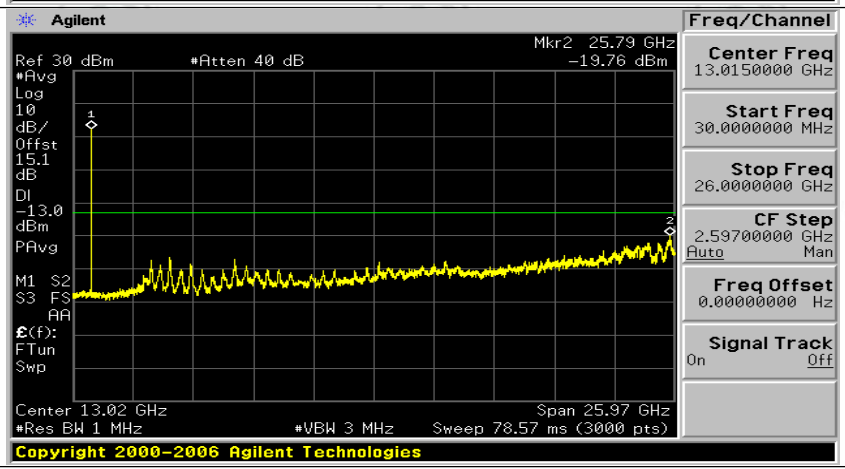


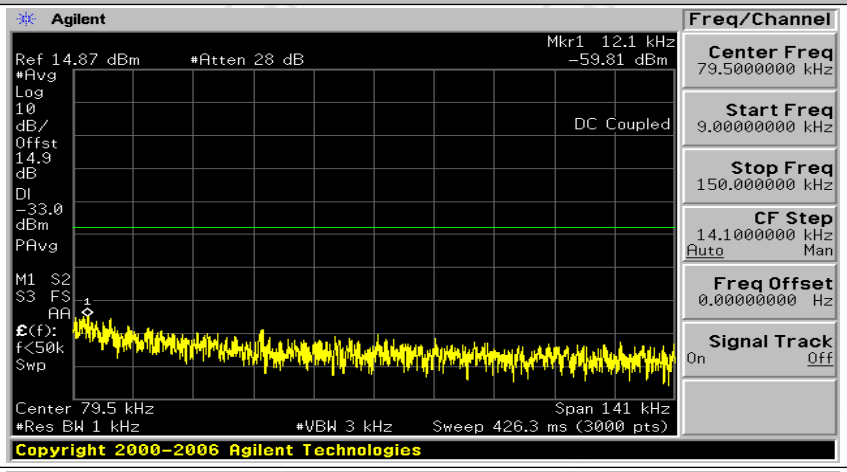
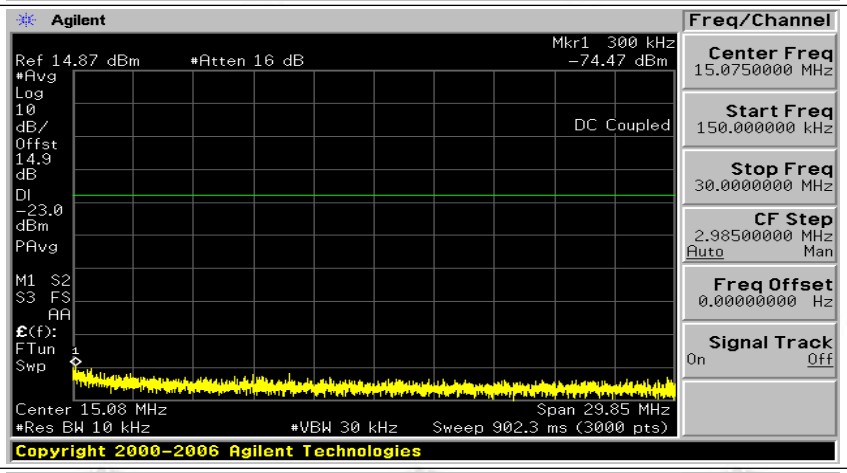
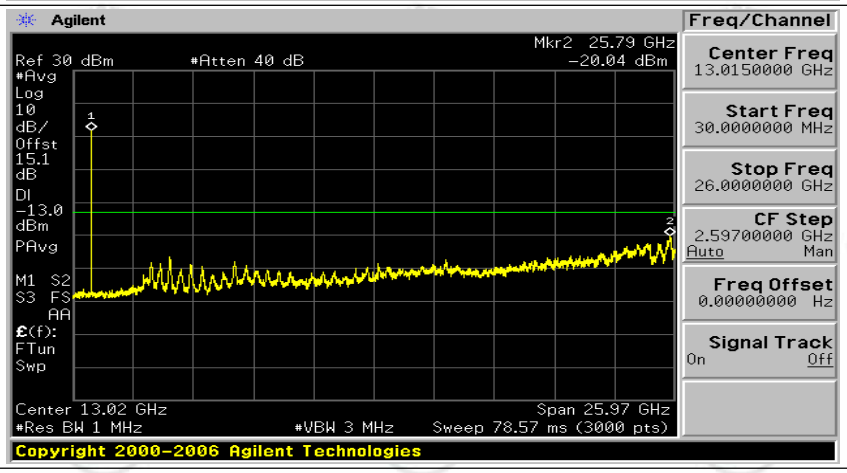


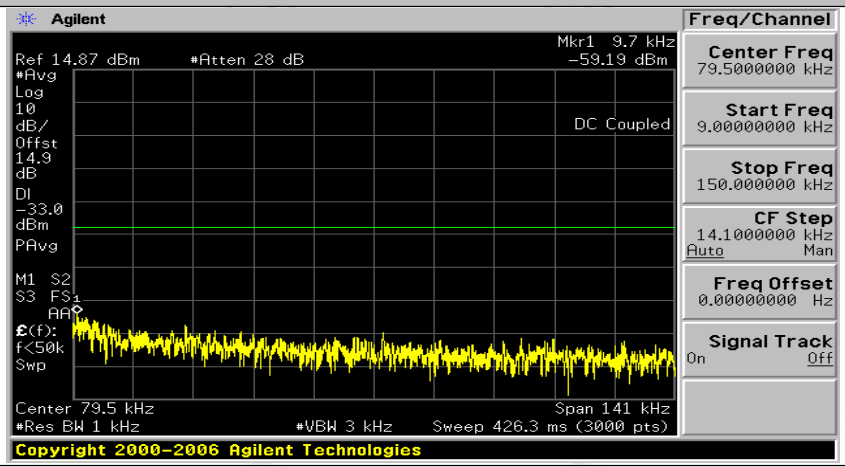
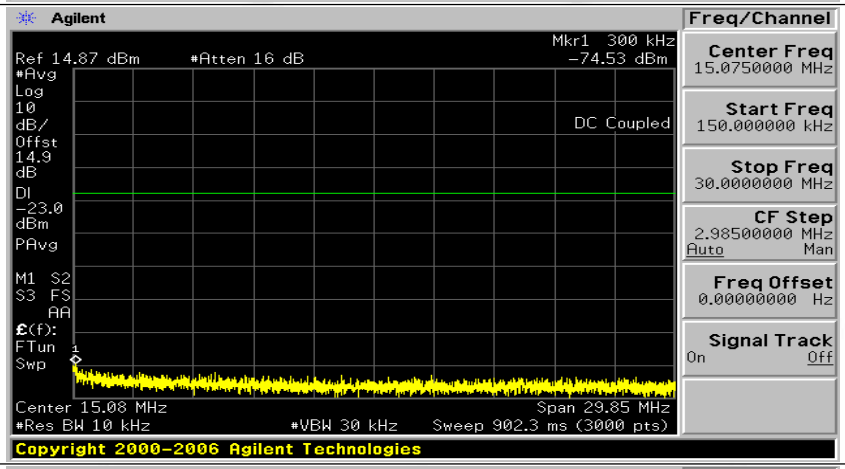
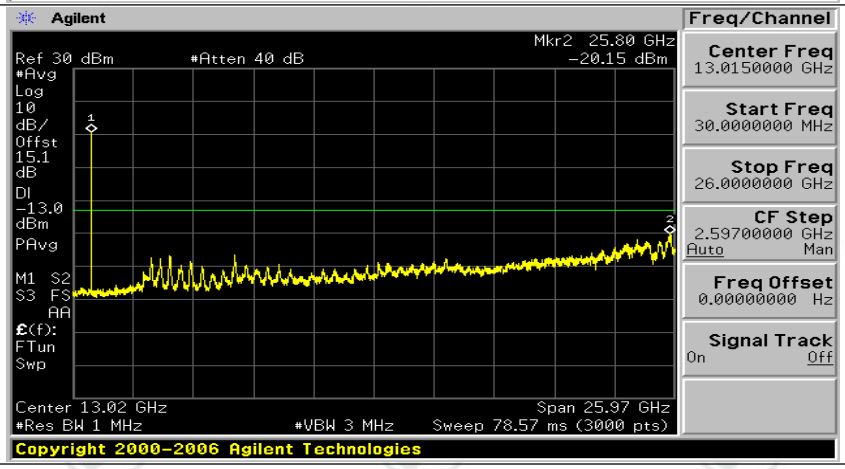
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

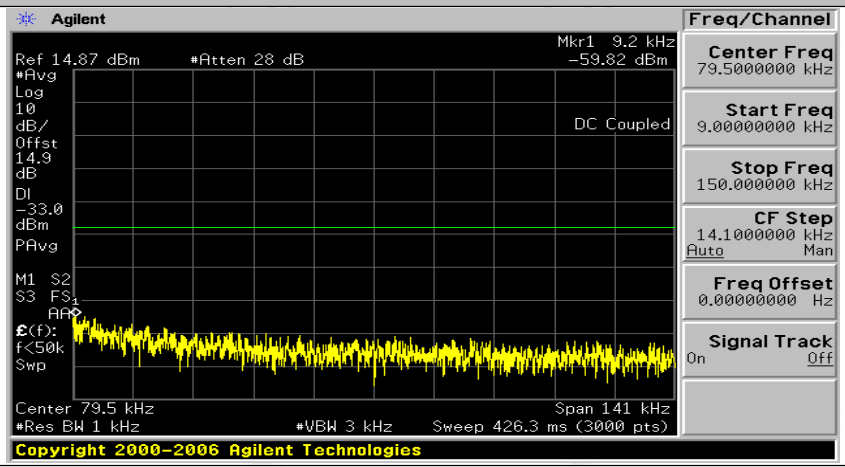
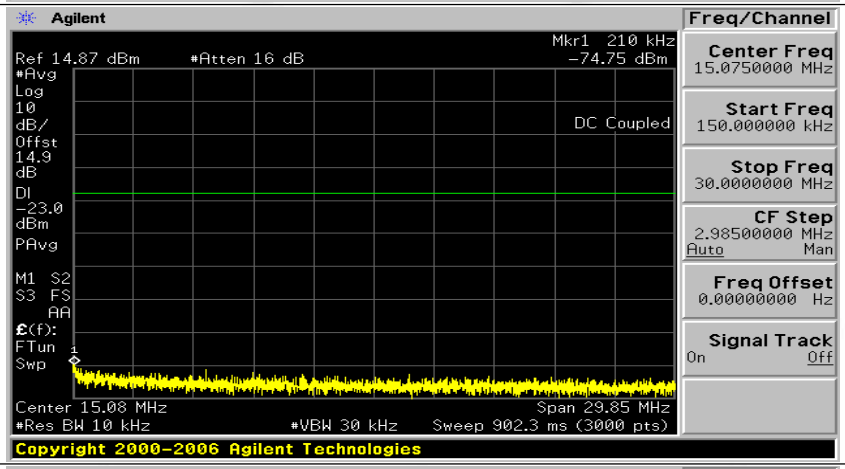
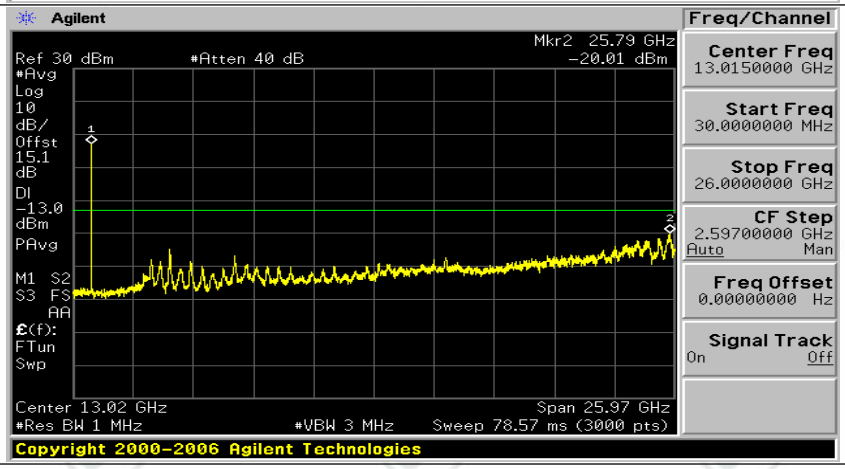


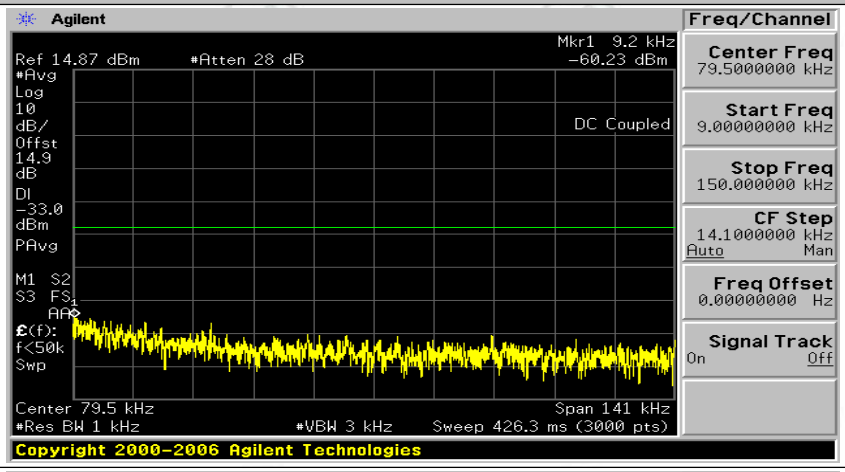
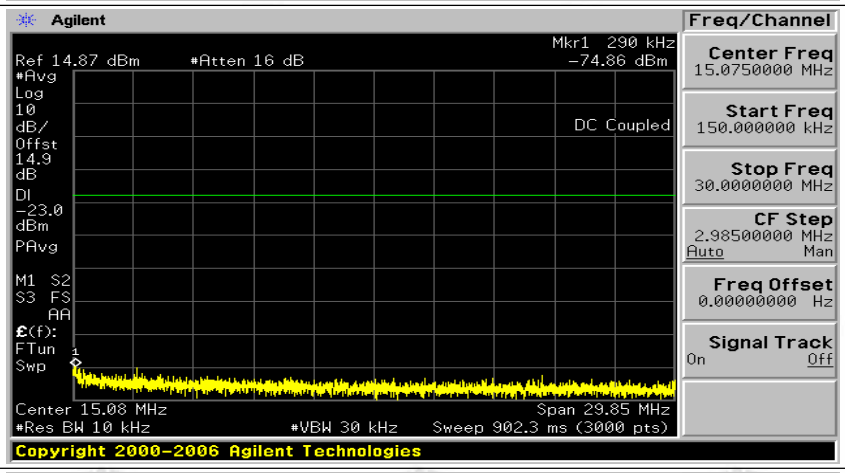
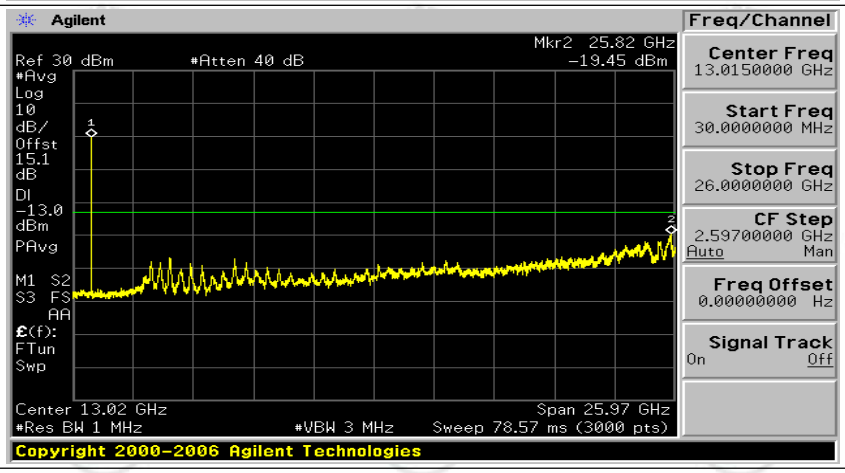




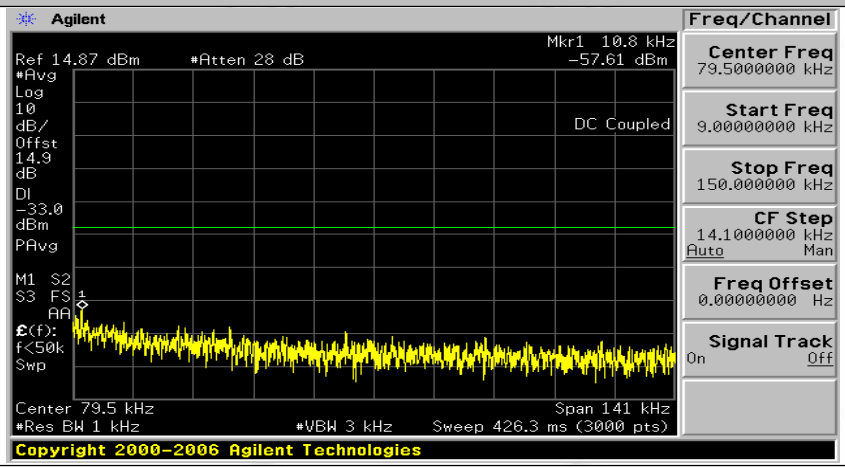
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7




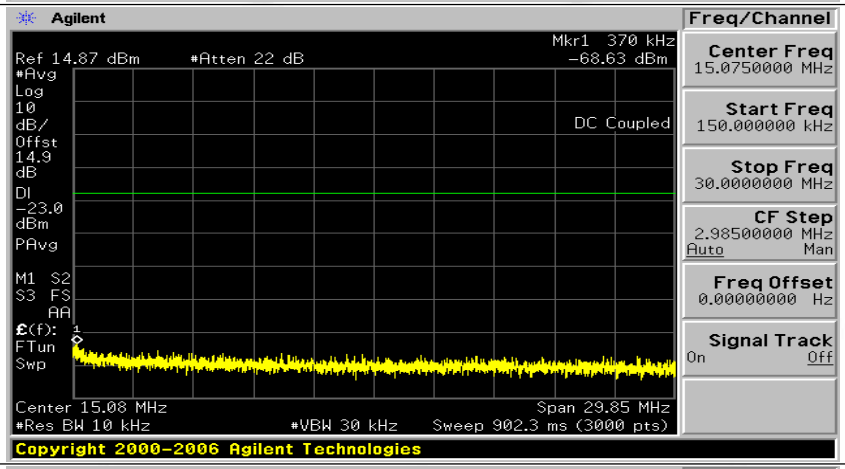
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14




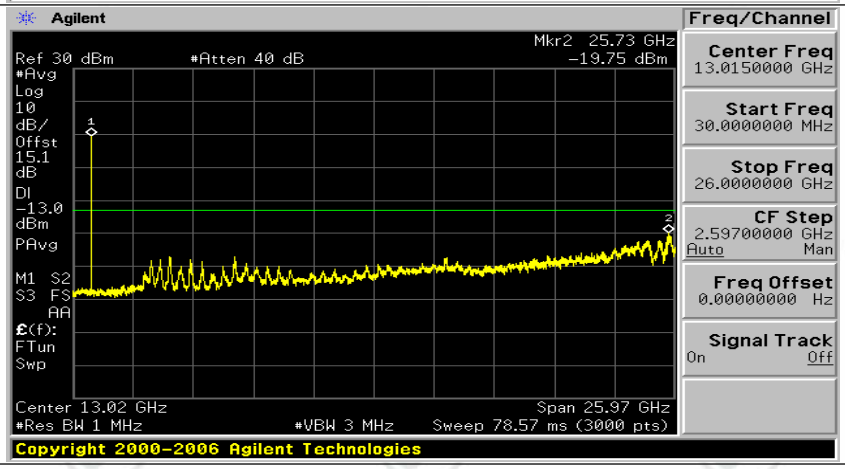
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0




(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7




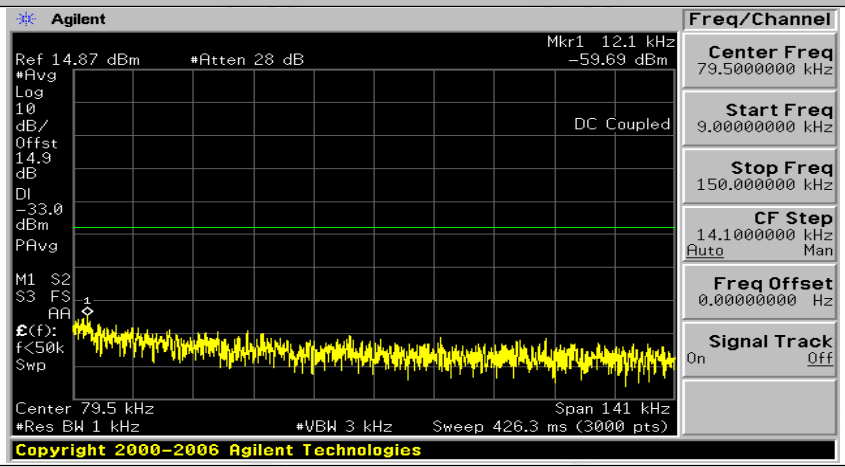
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

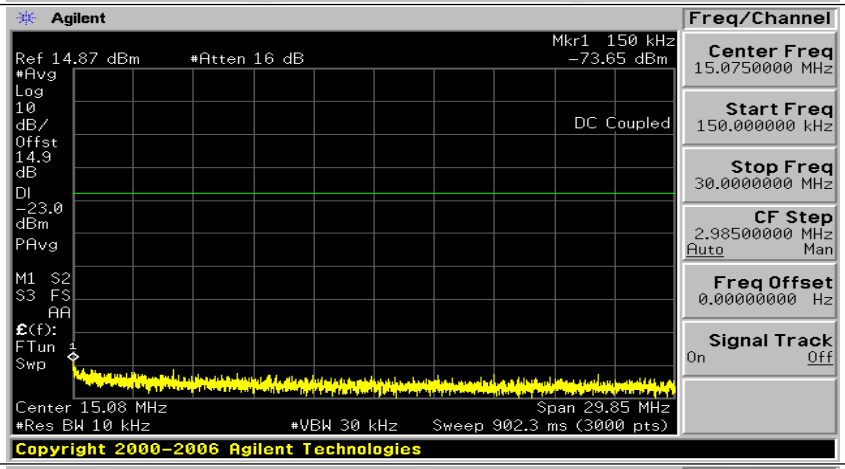


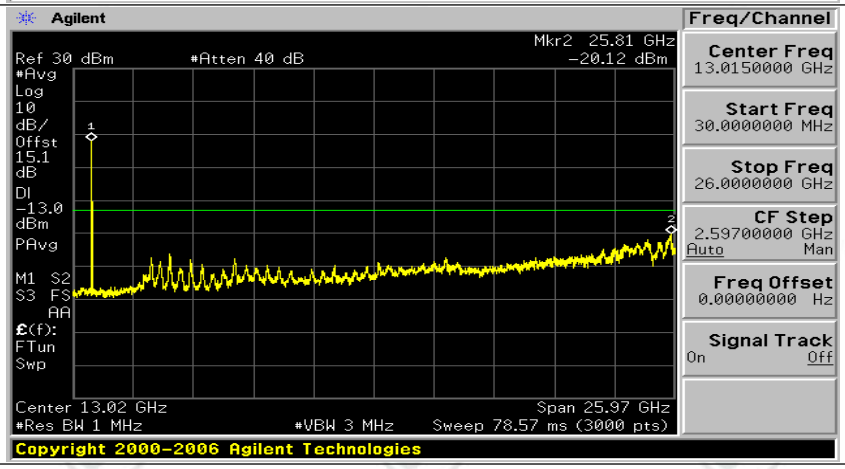


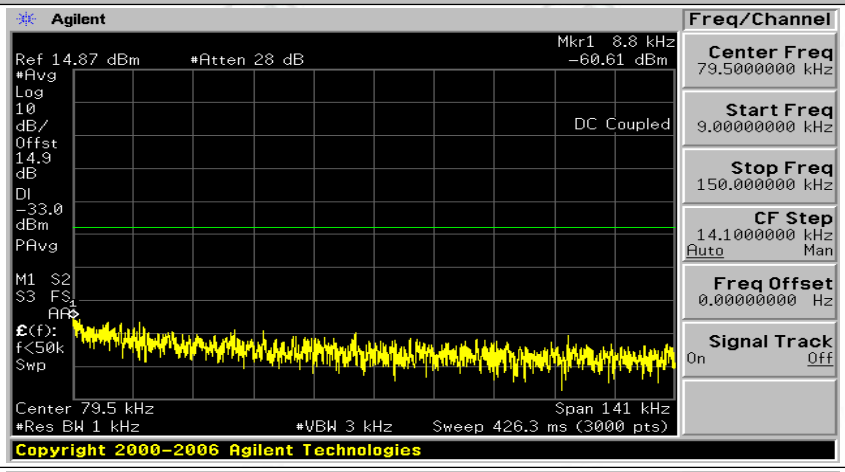
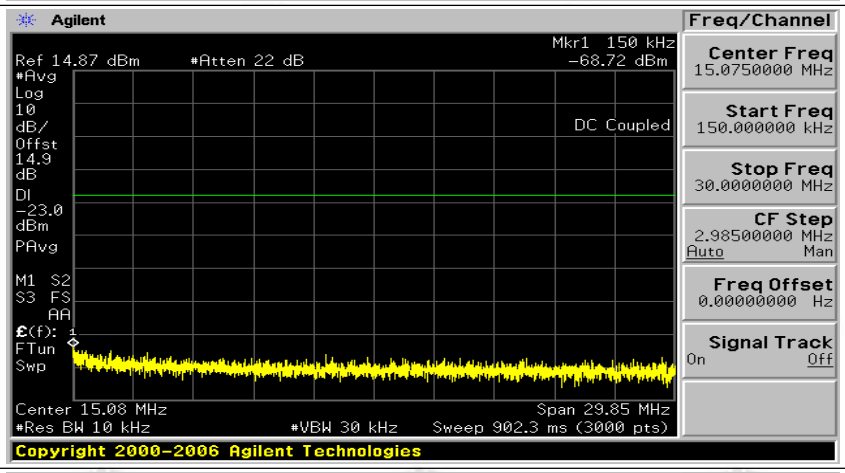
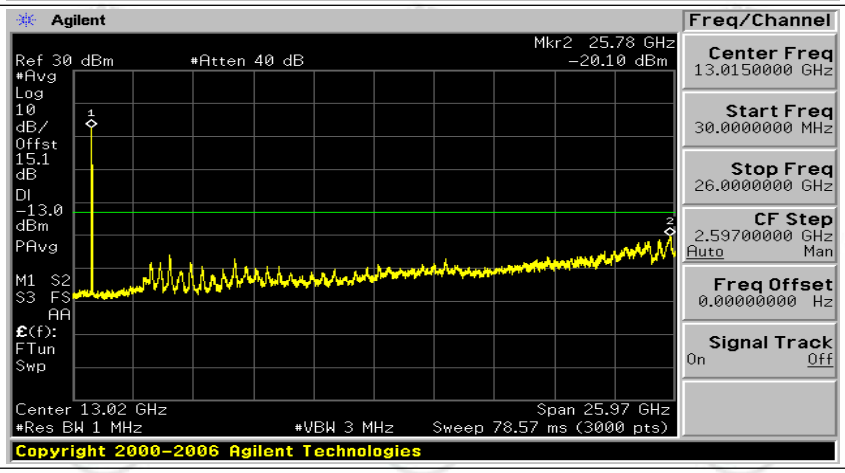


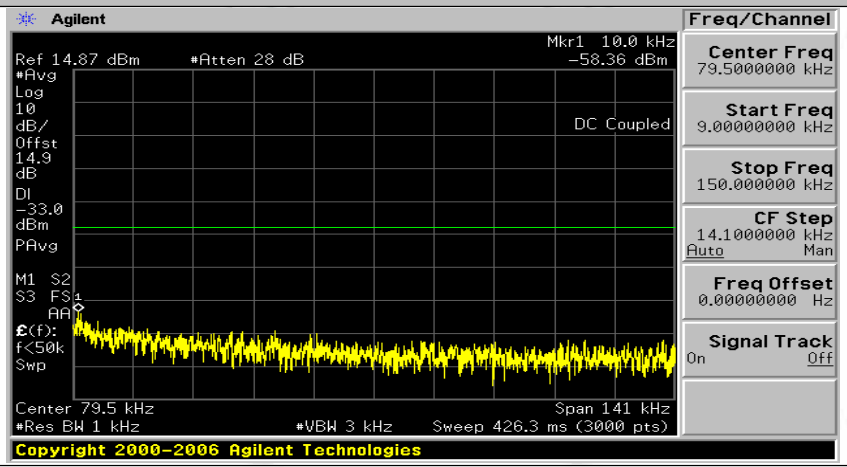
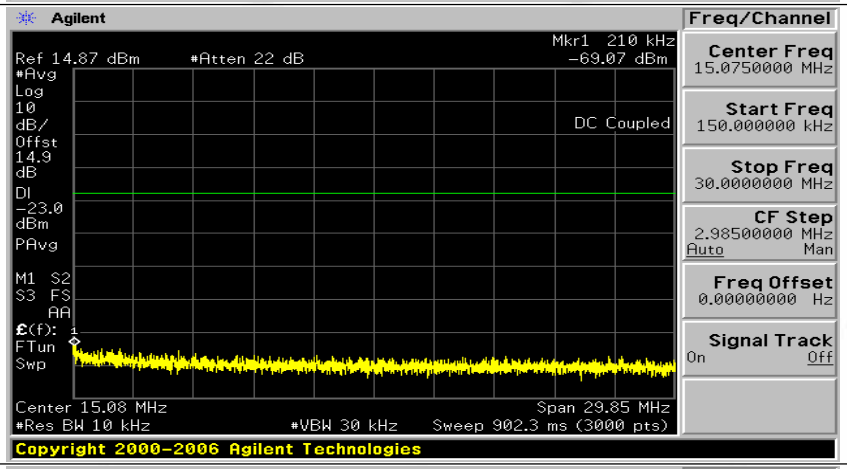
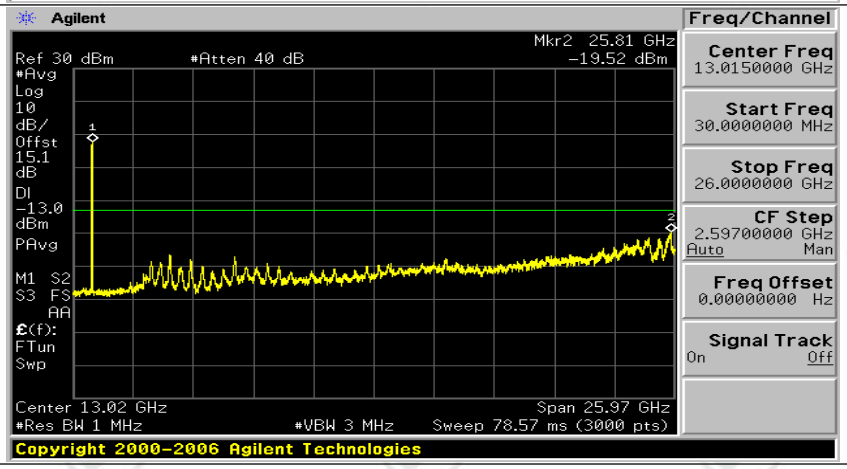
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



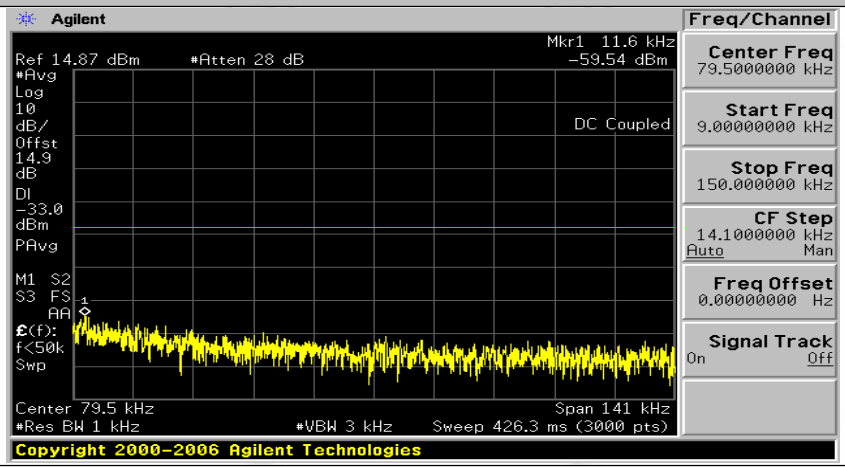


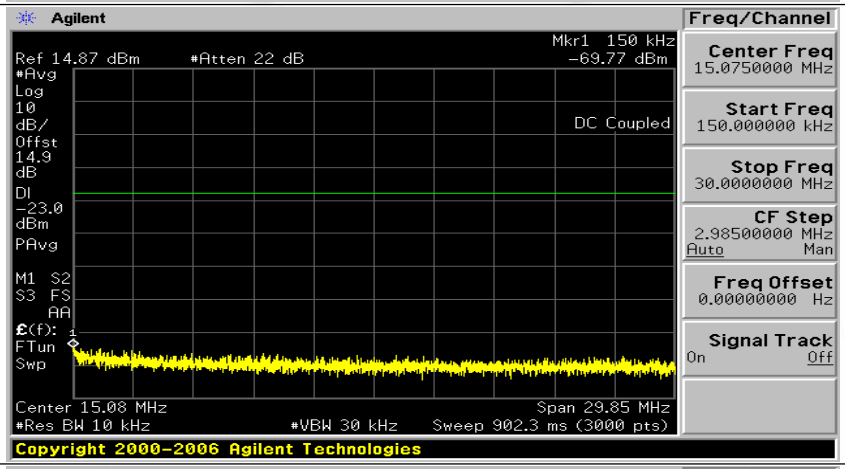


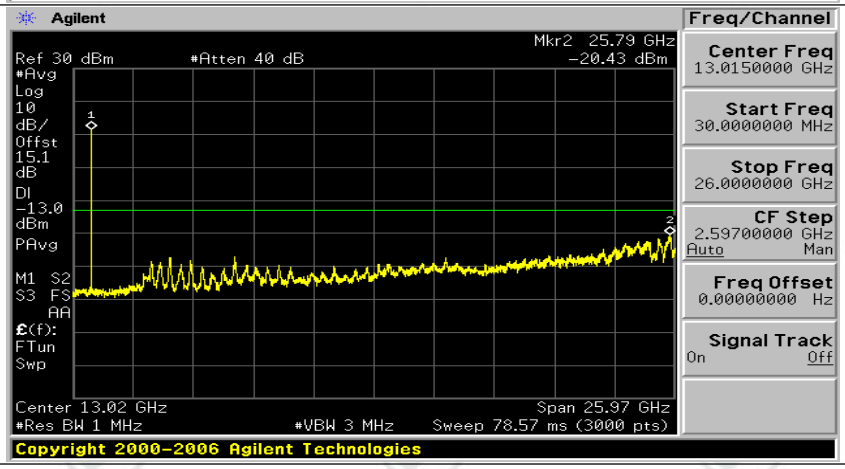
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7




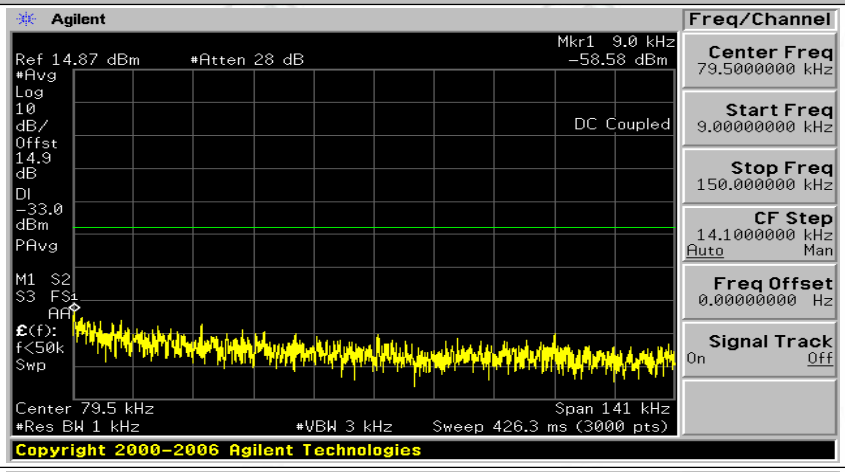
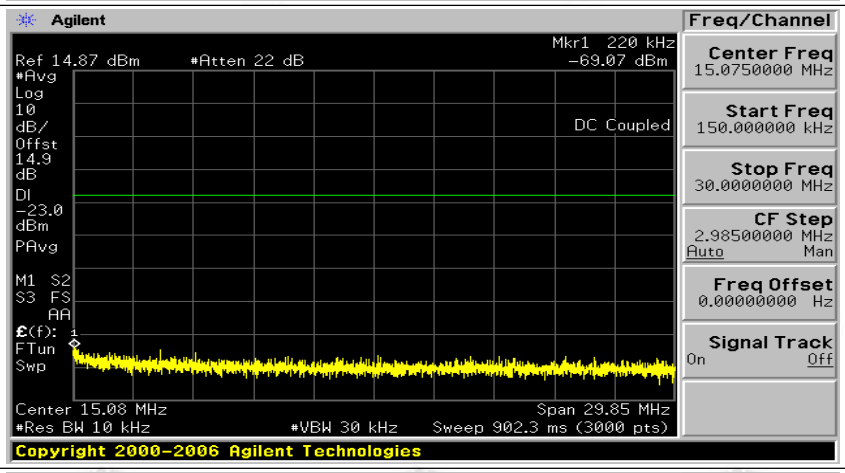
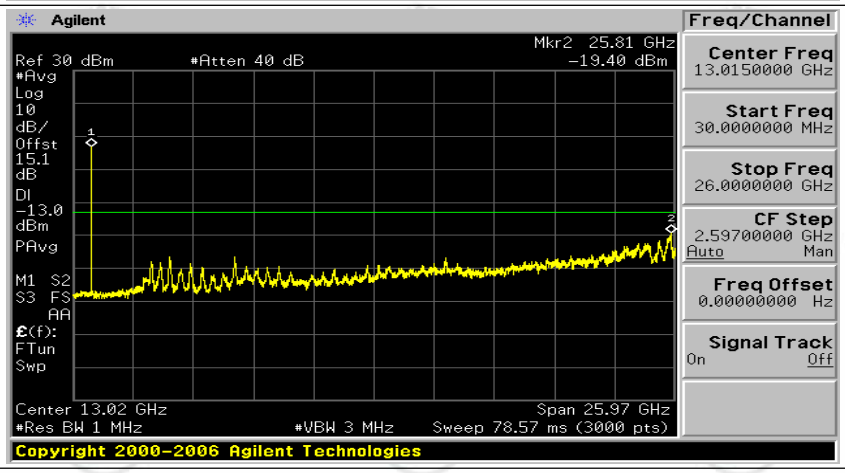
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14




(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

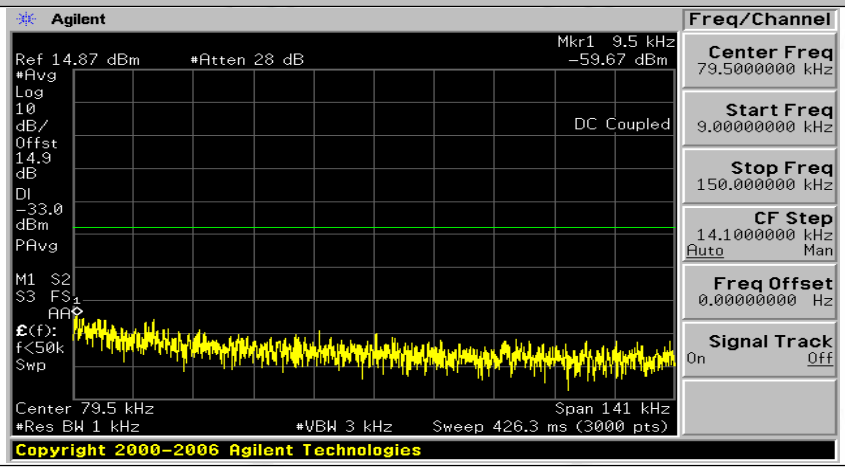


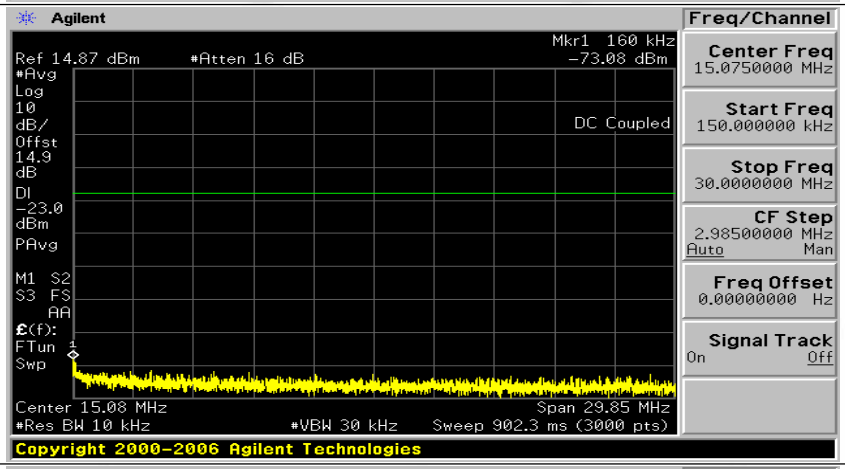


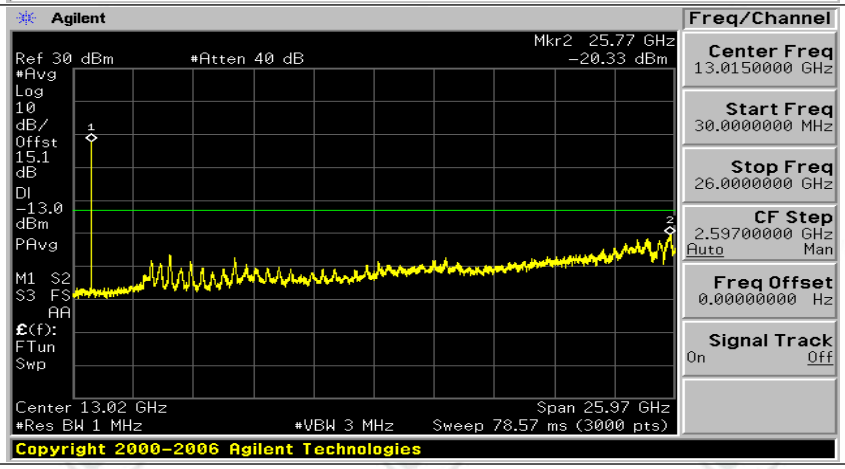


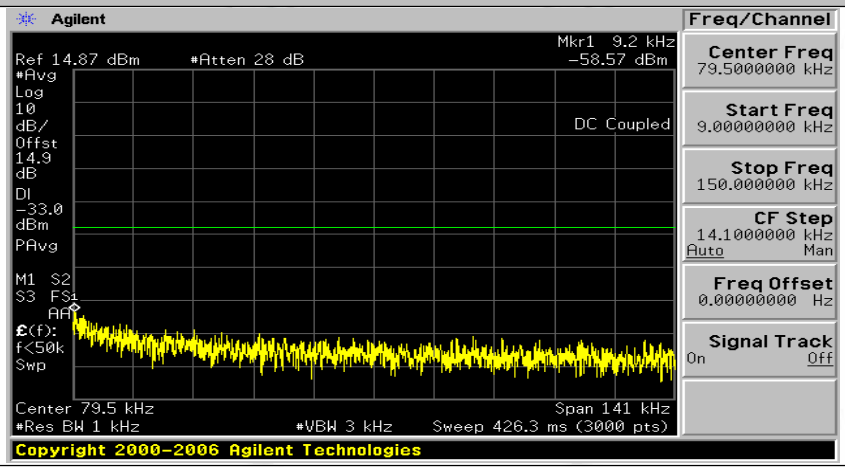
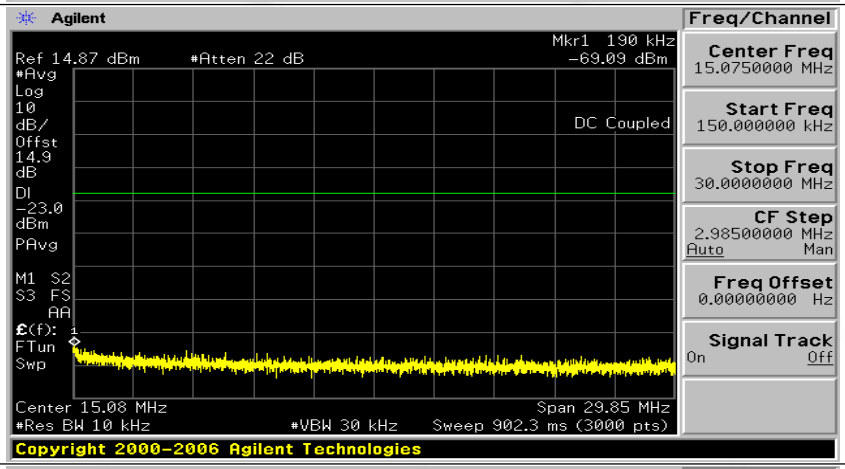
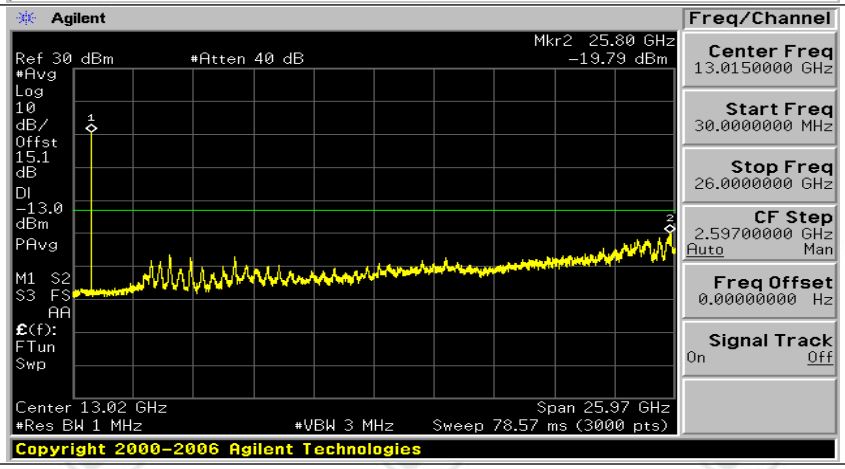
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7




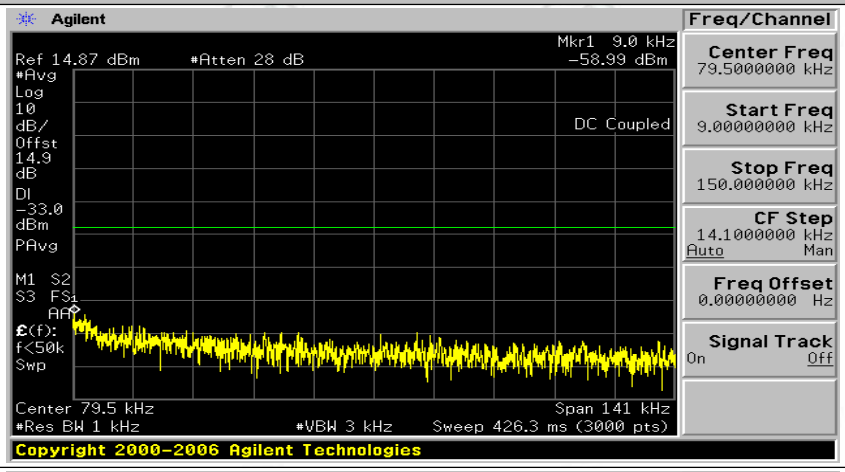
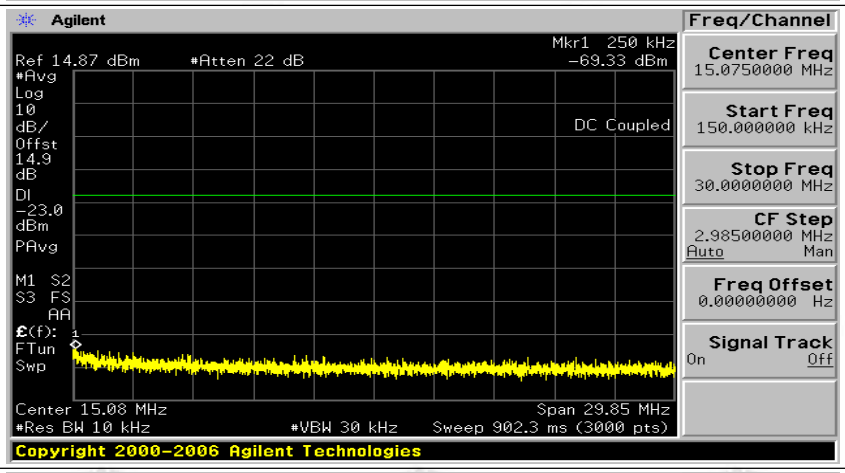
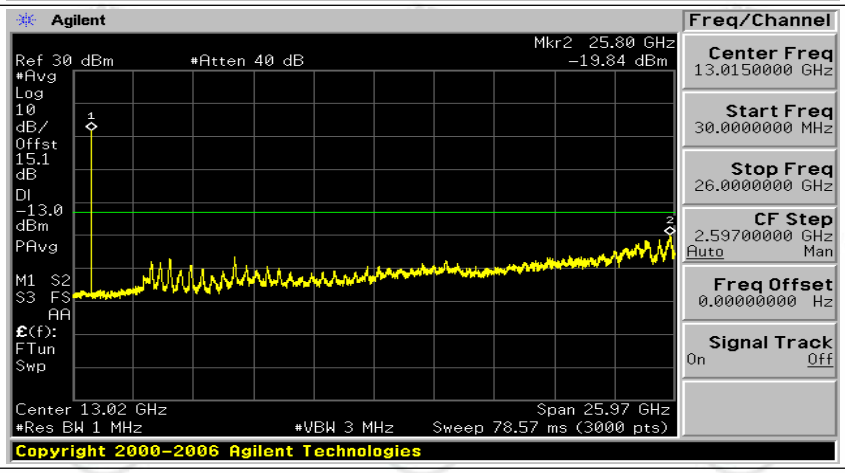
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



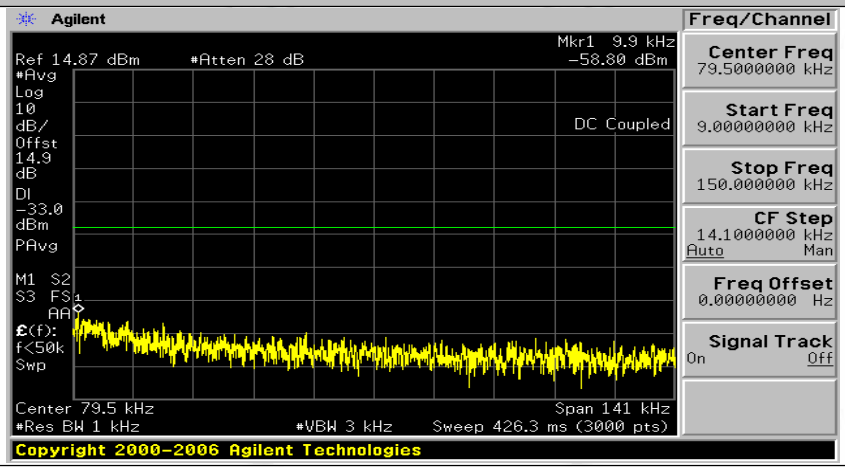


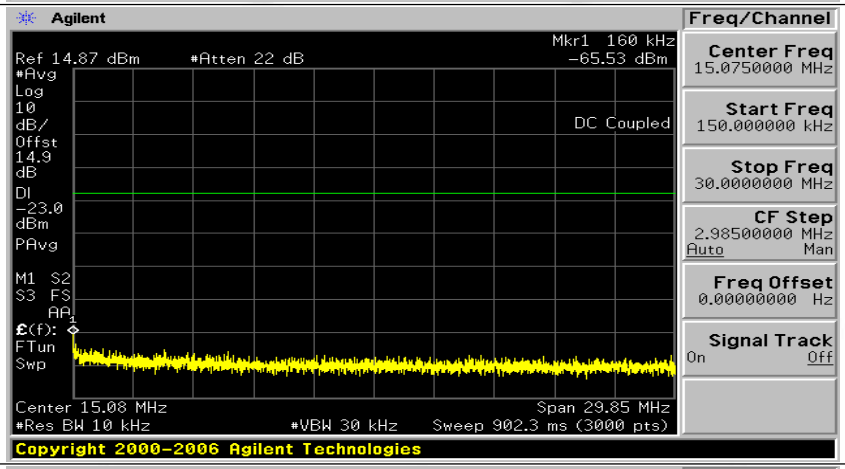


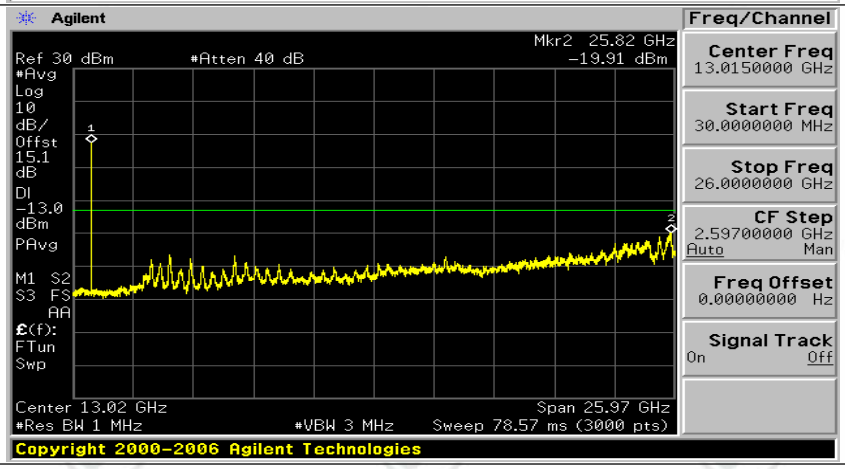
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0




(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7




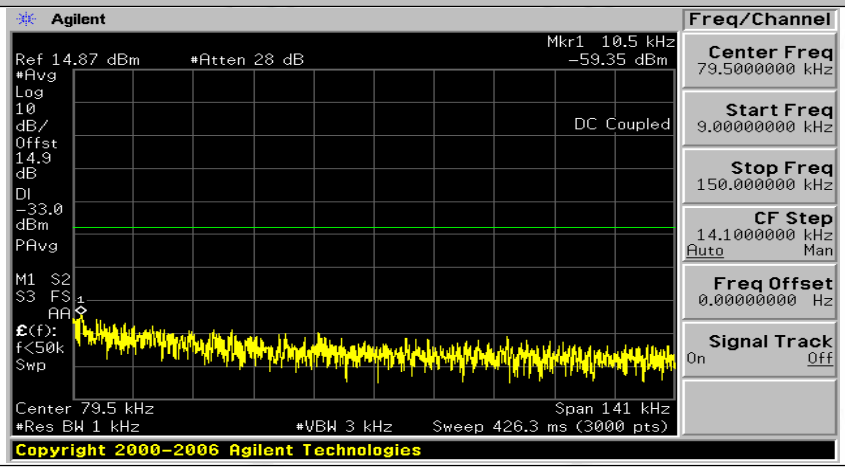
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

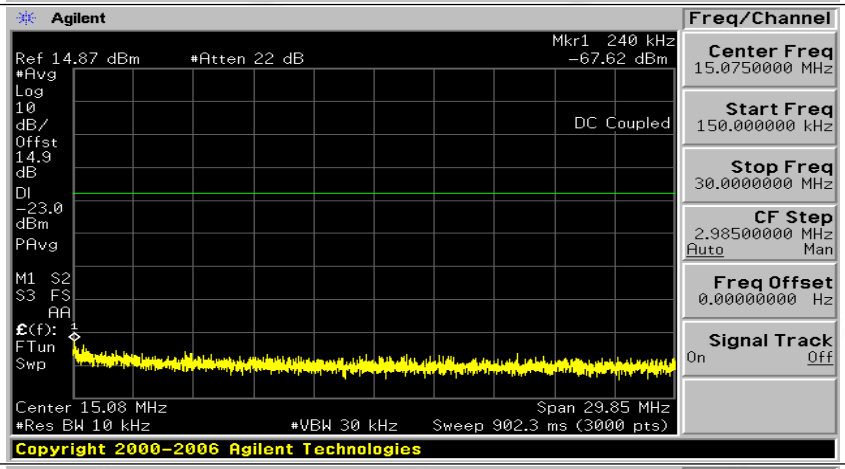


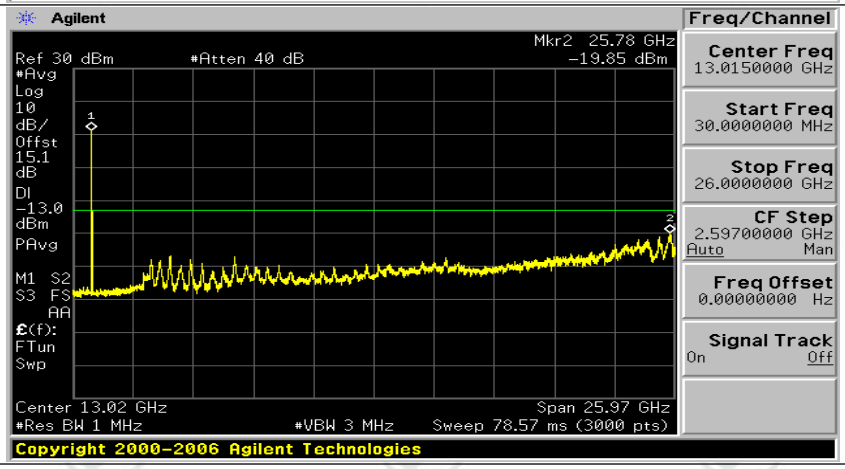




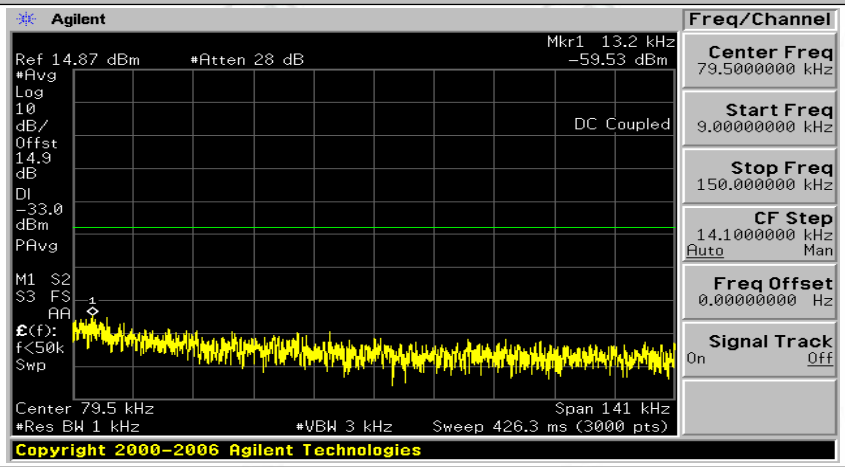
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

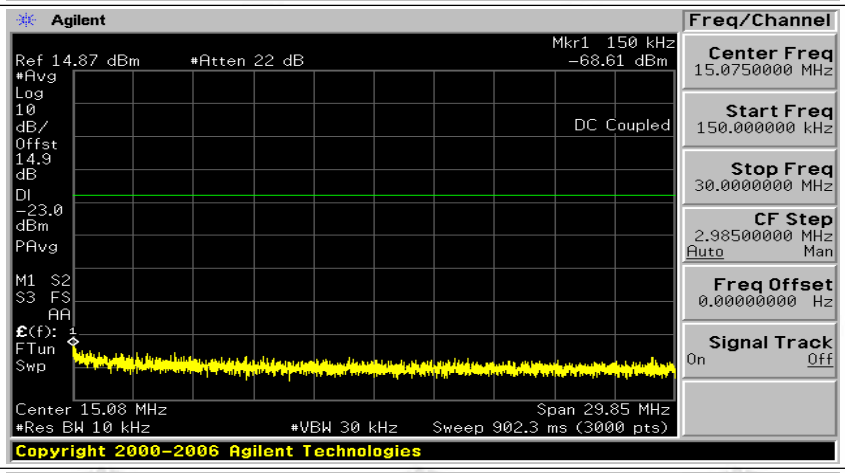


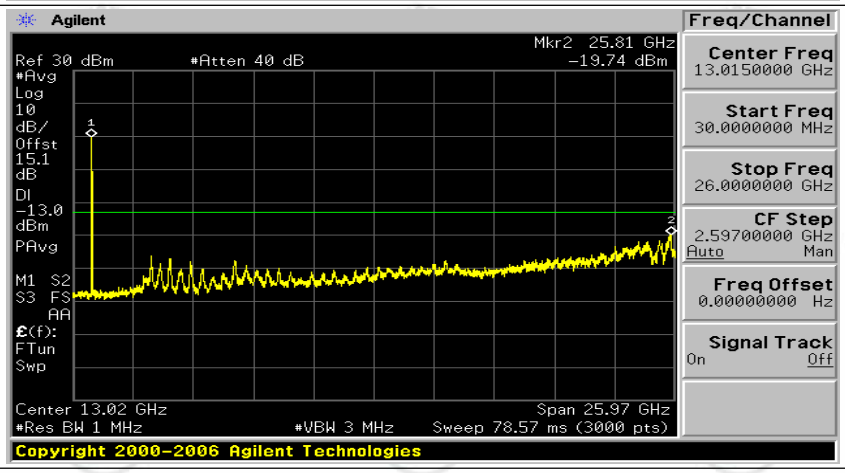




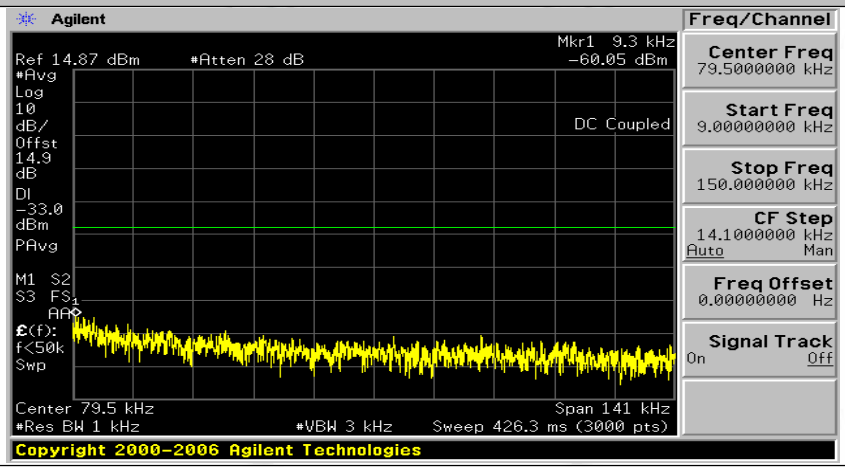
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

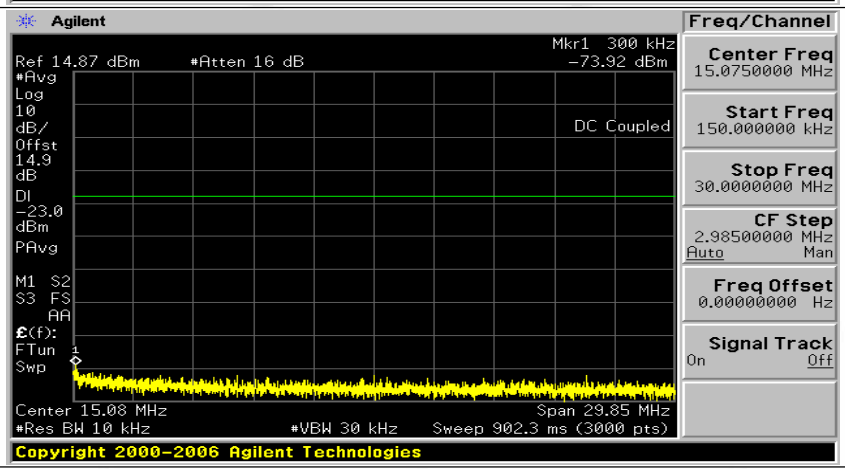


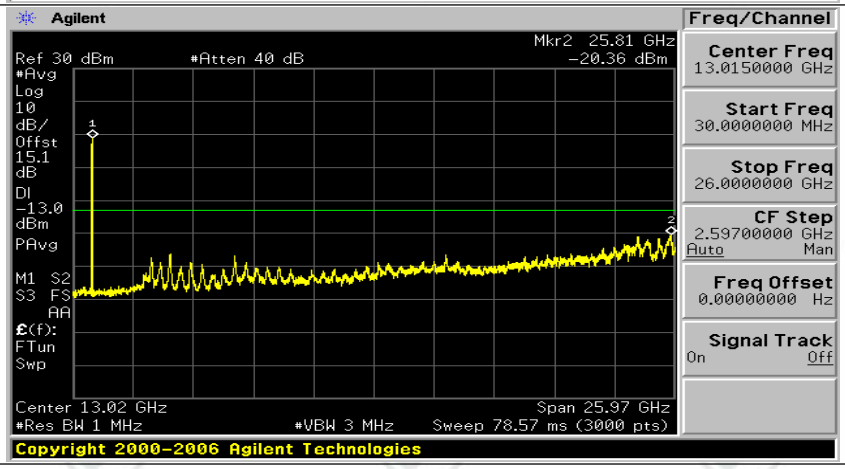




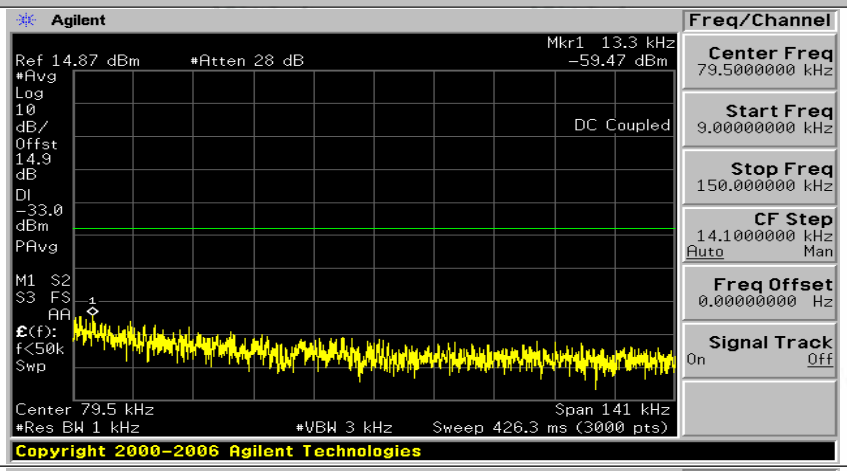
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

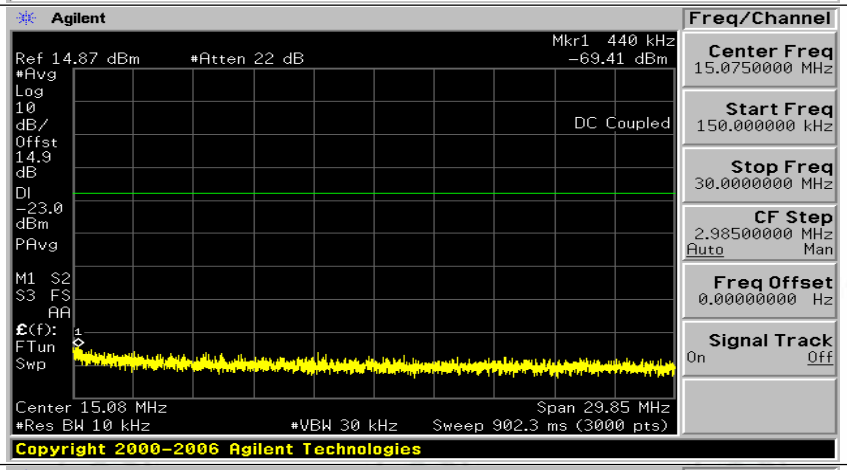


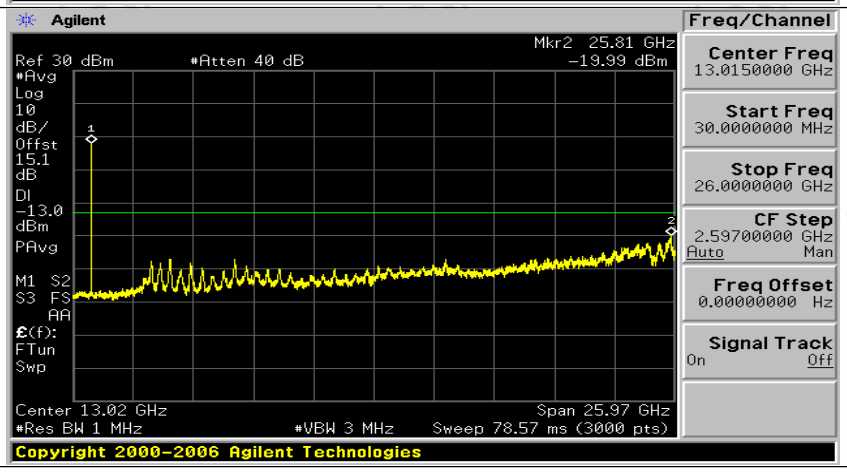




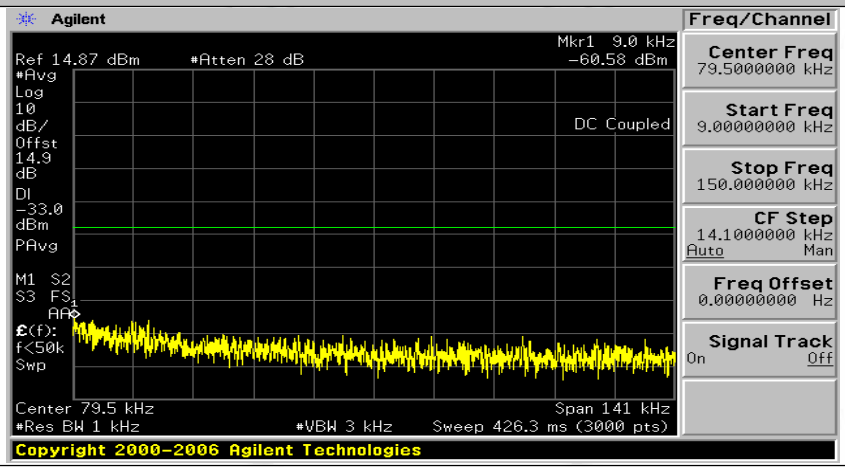
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

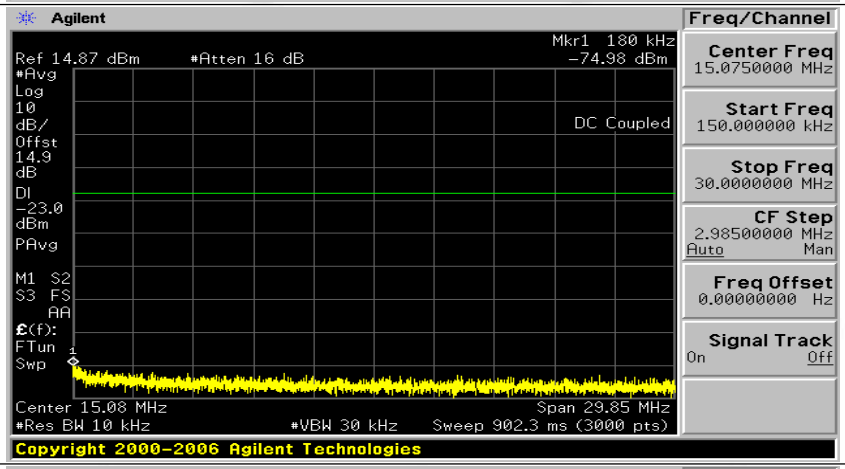


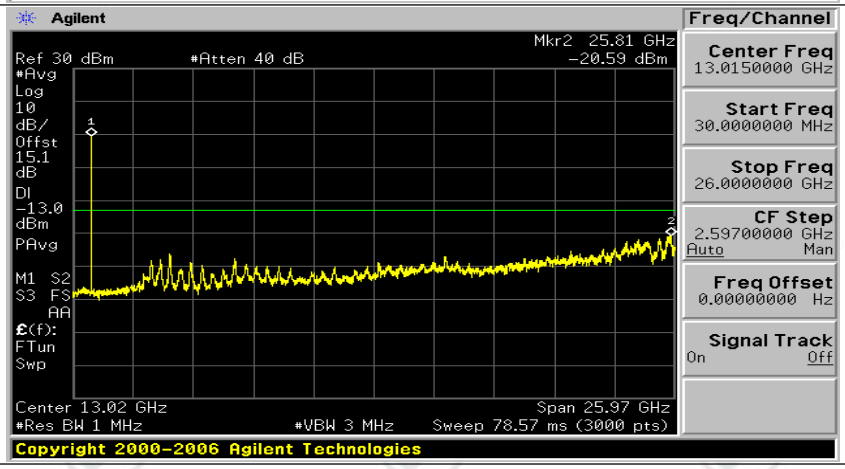




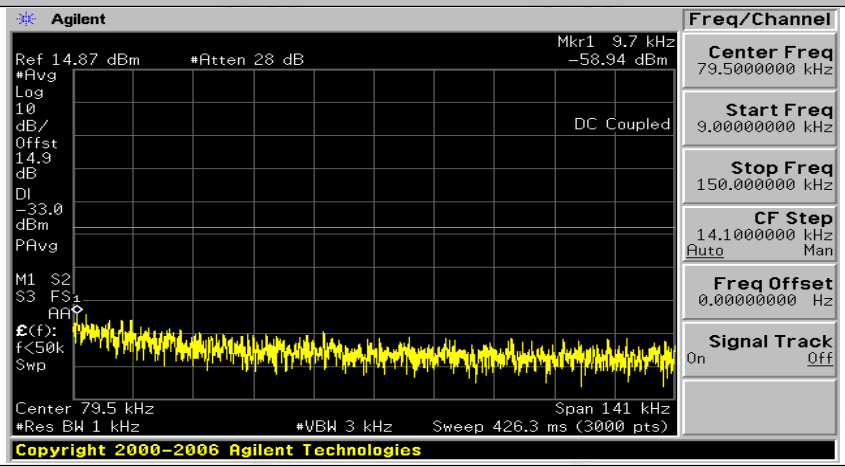
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

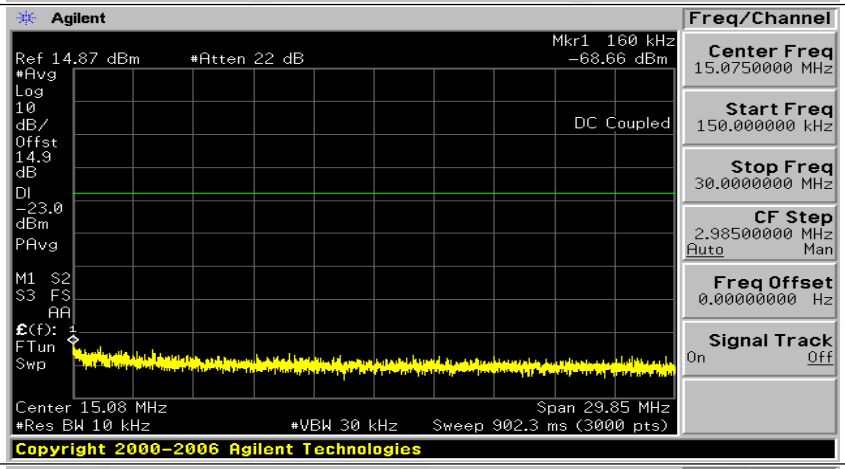


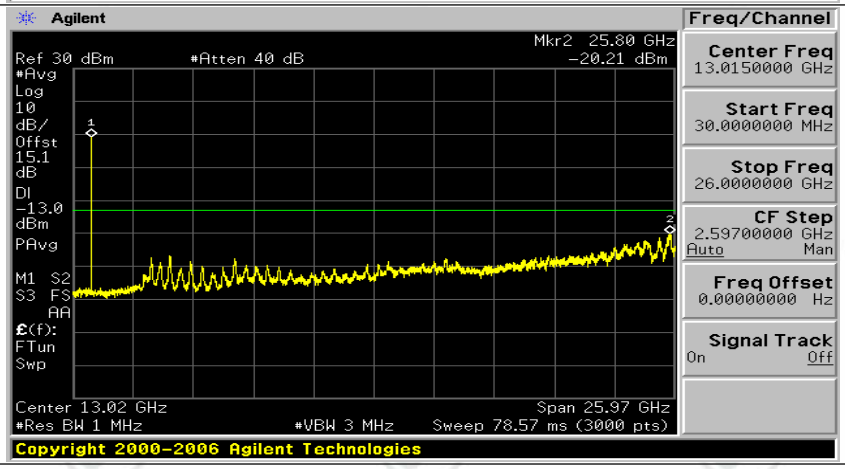


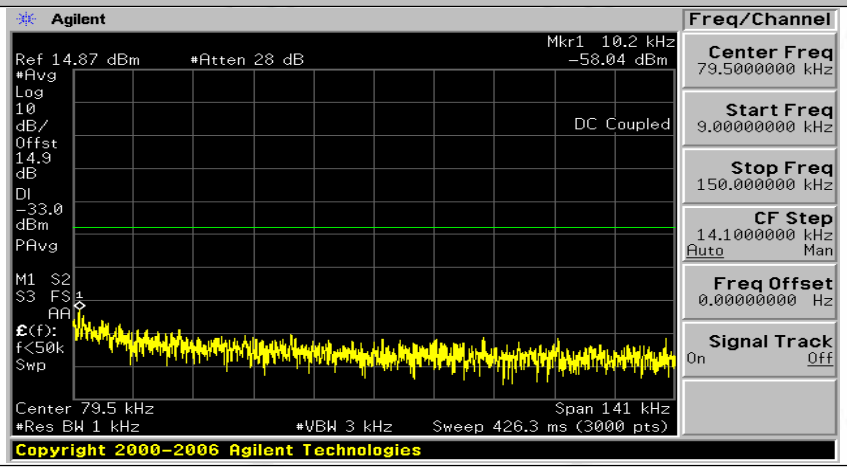
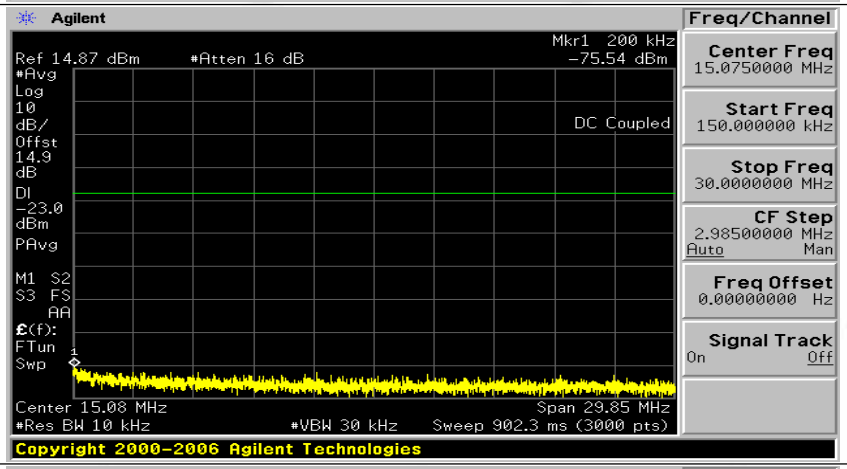
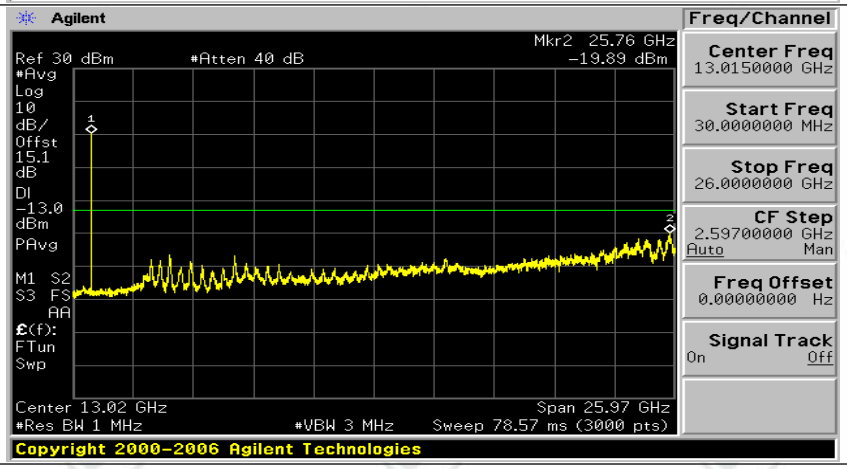


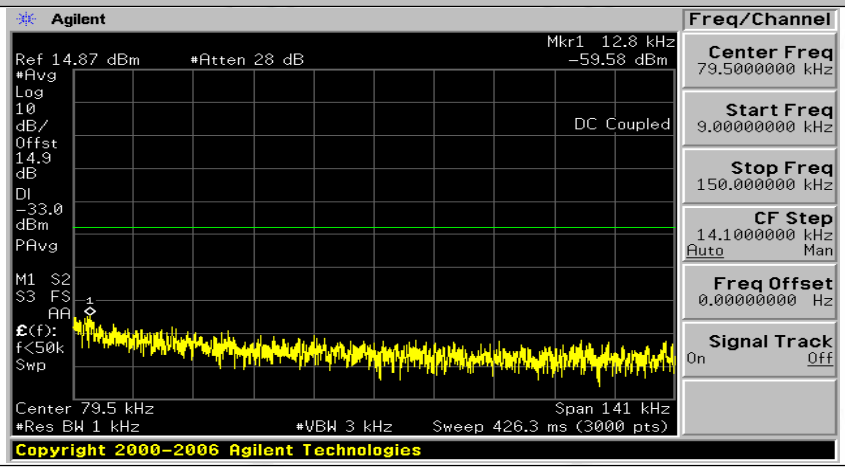
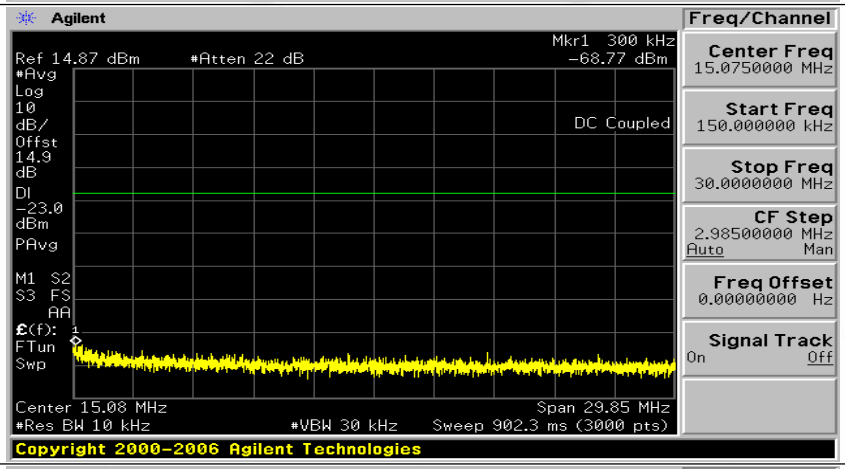
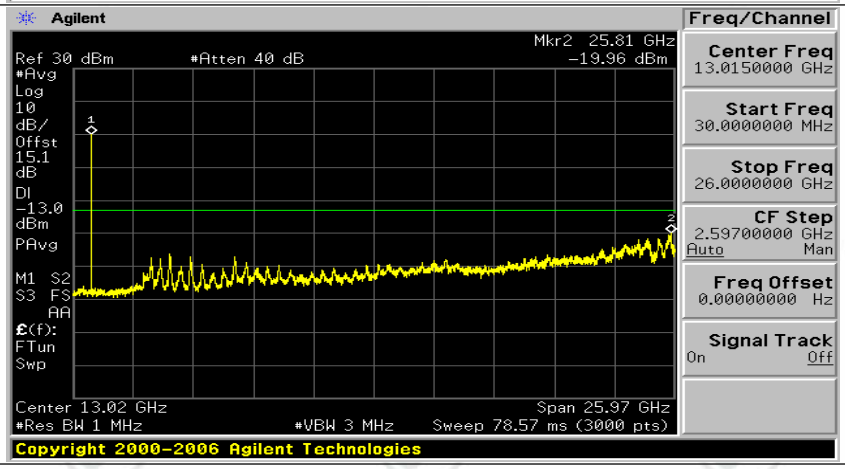
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

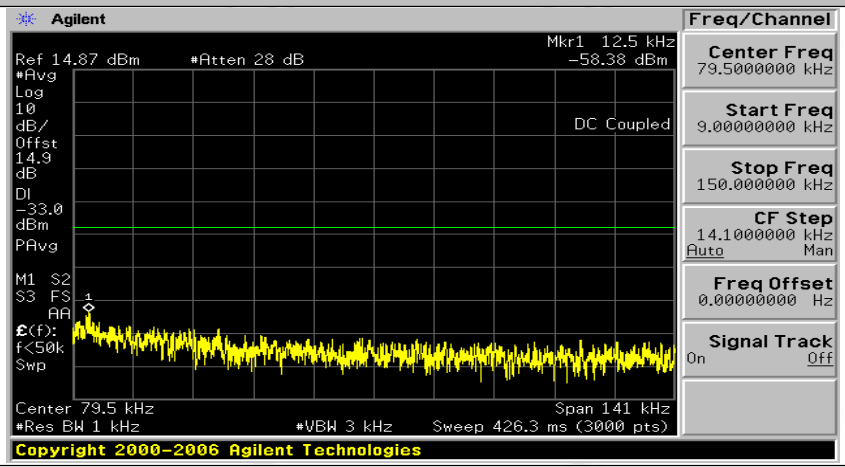
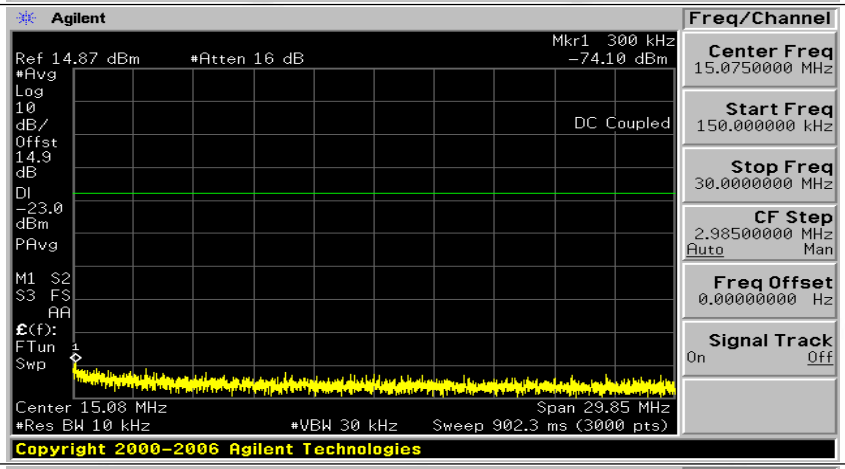
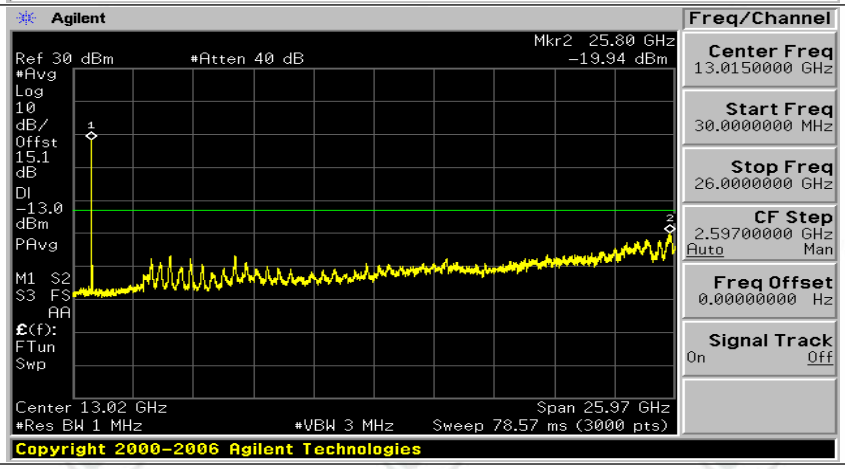




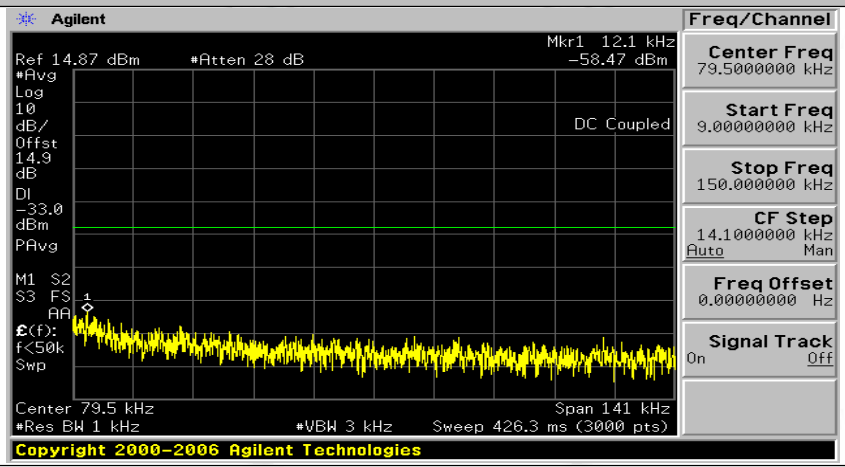


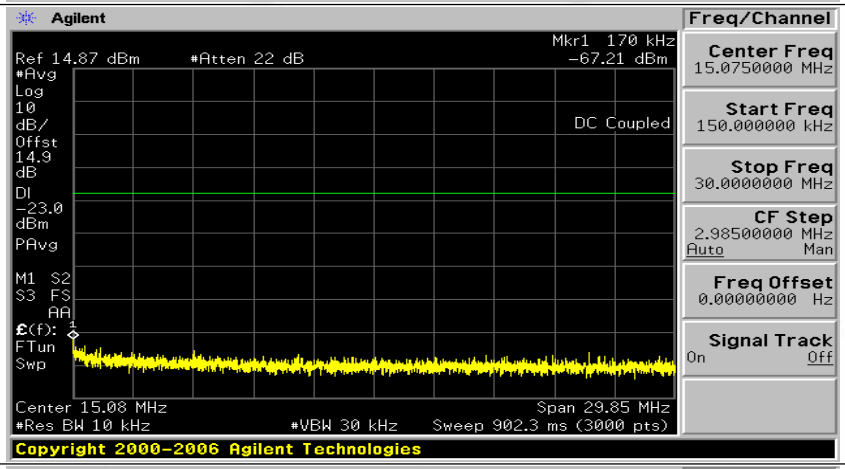
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0




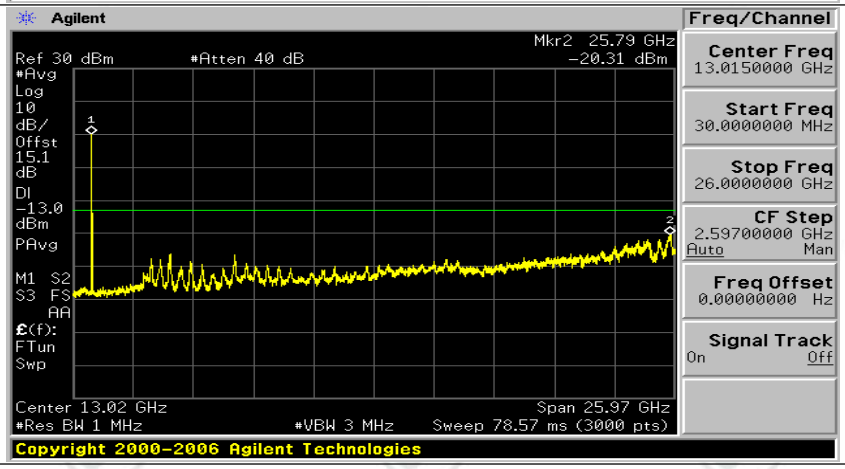
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12




(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24




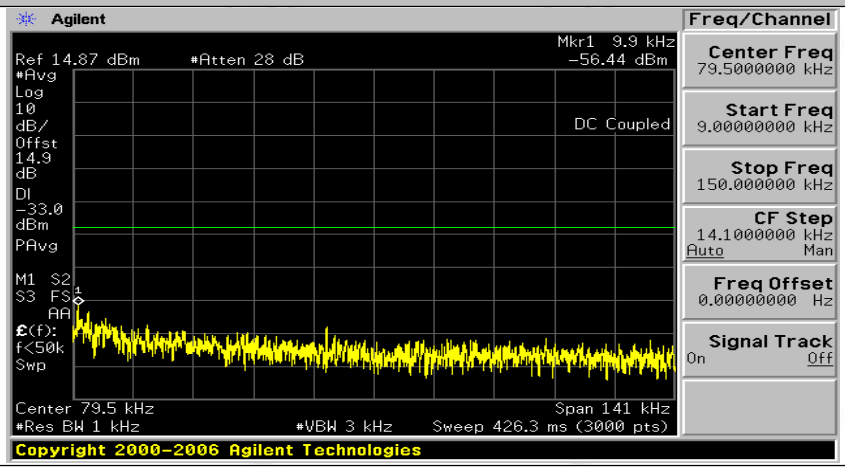
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

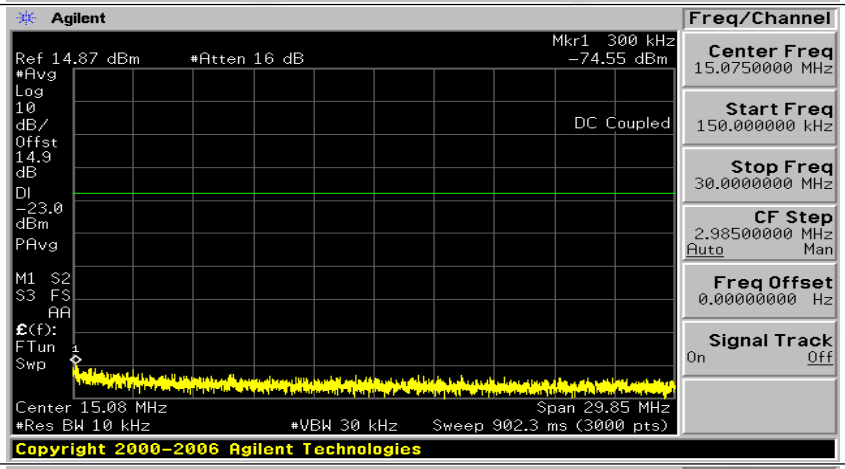


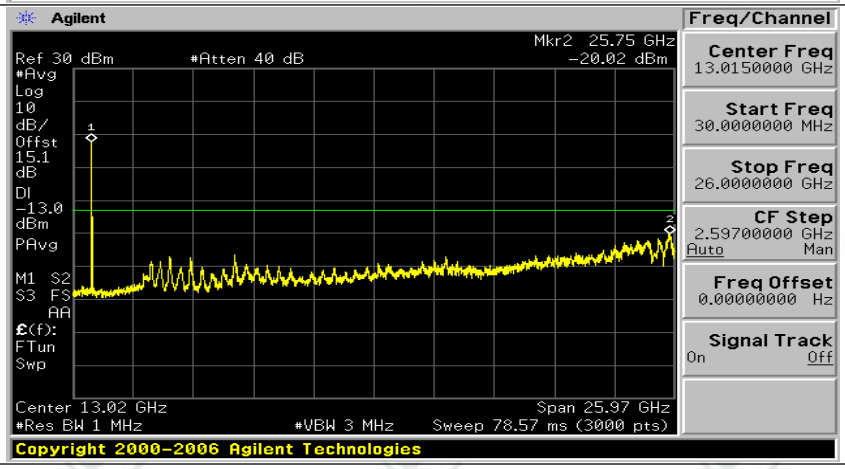




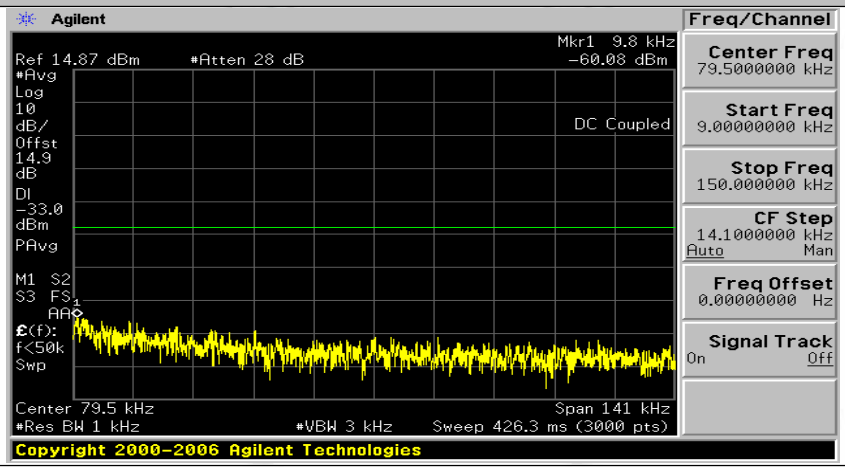
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

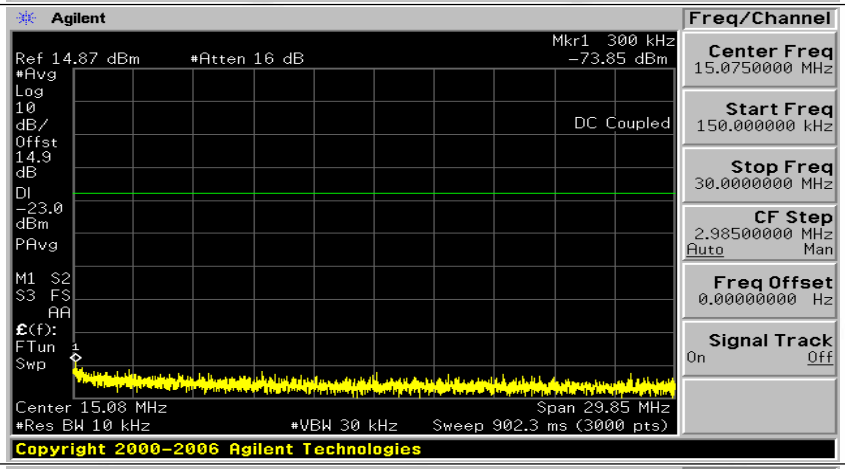


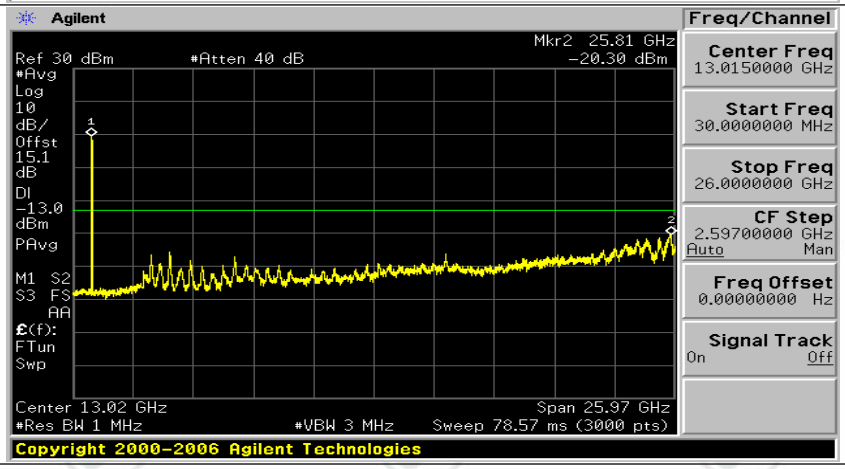


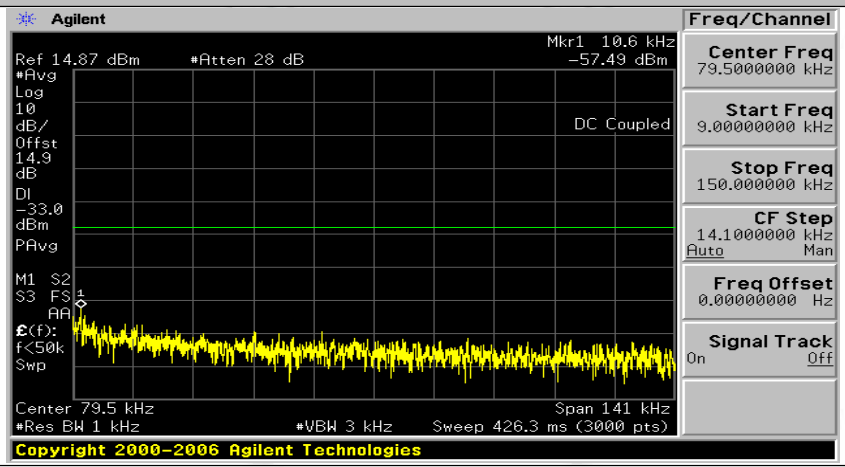
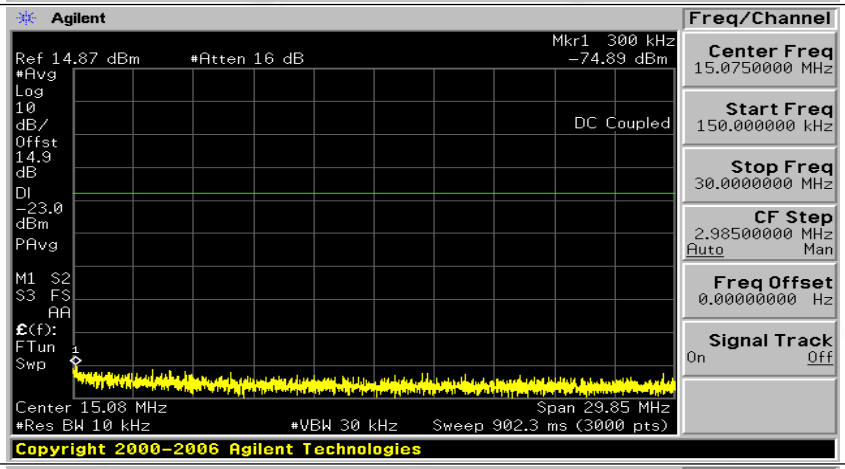
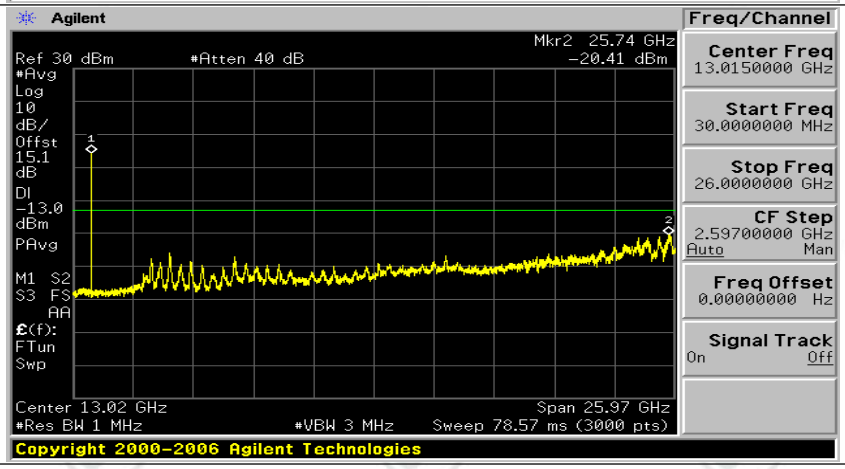


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

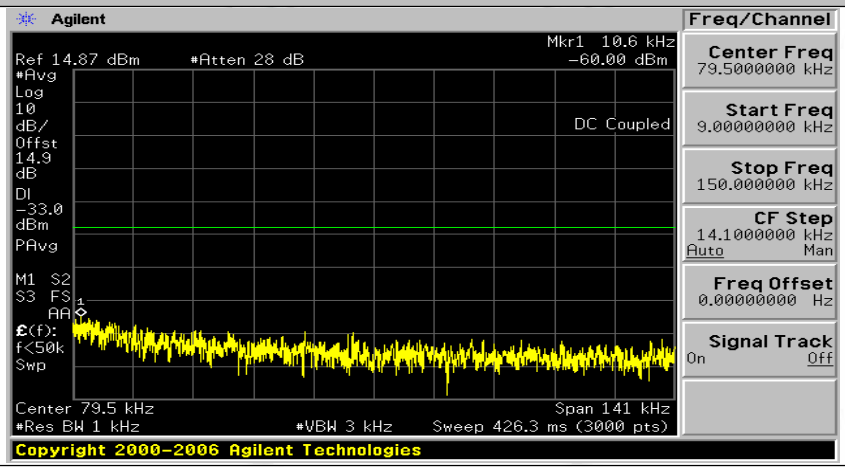


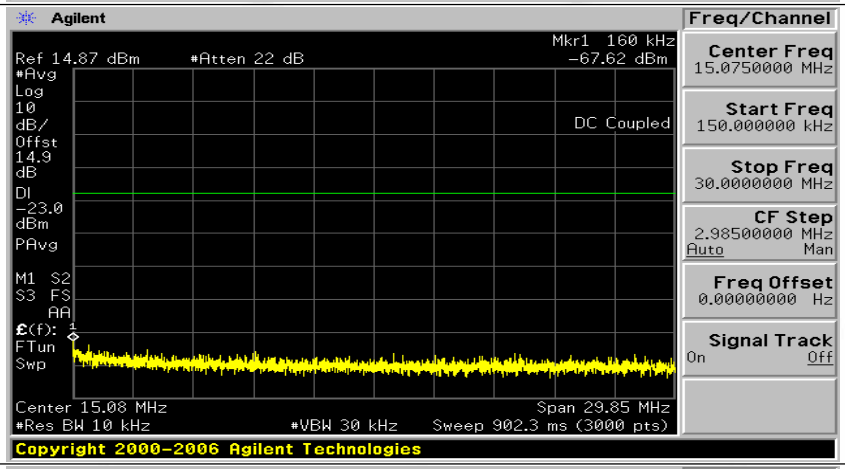


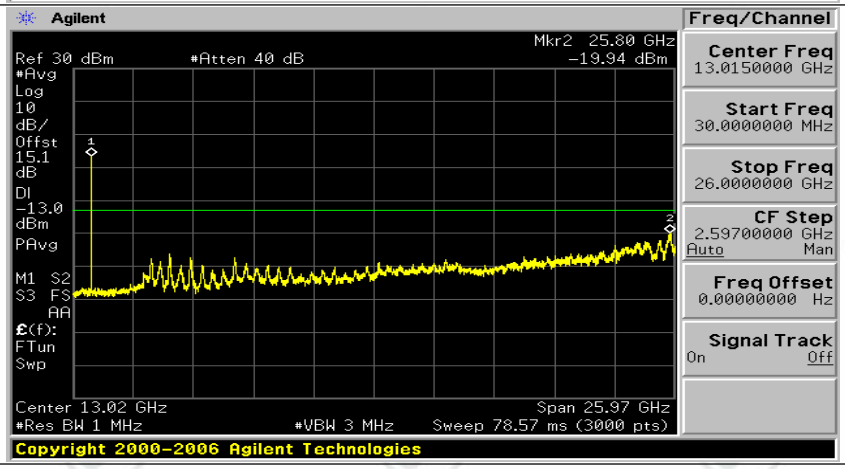


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0




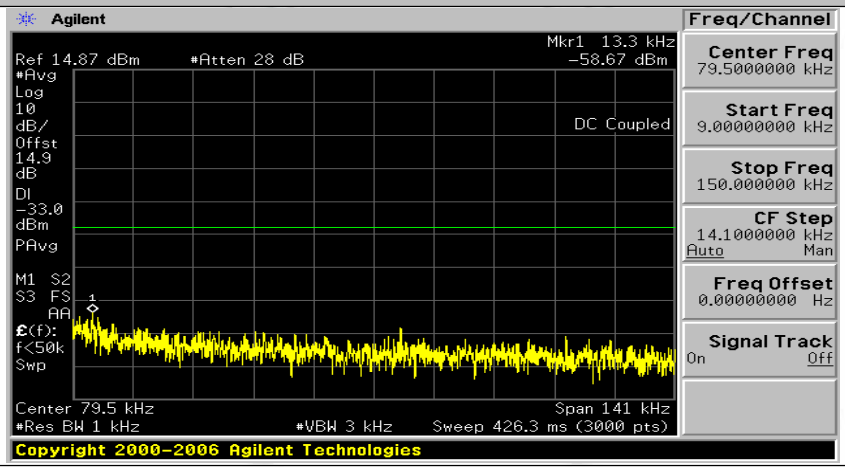
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

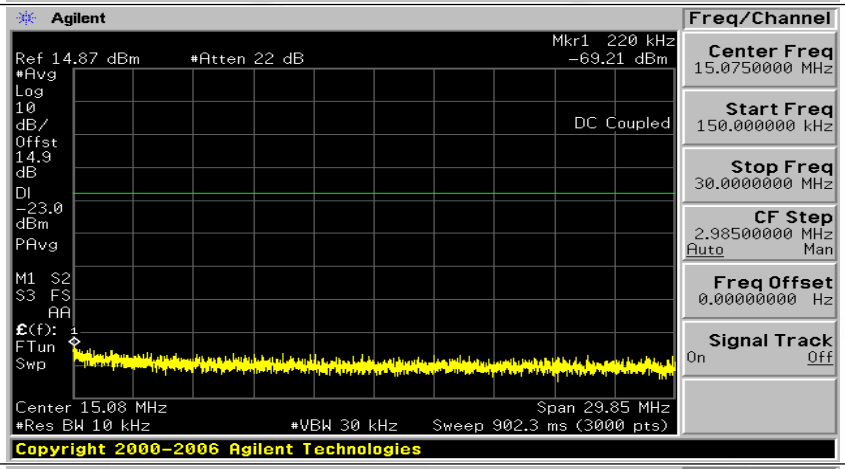


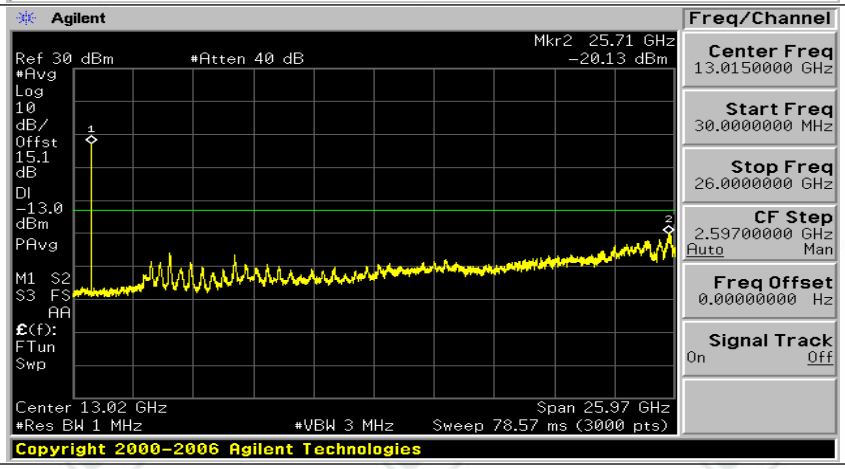


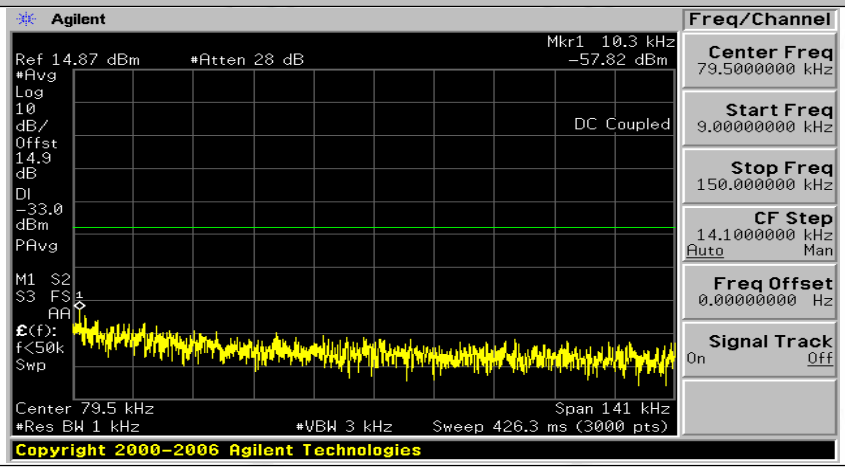
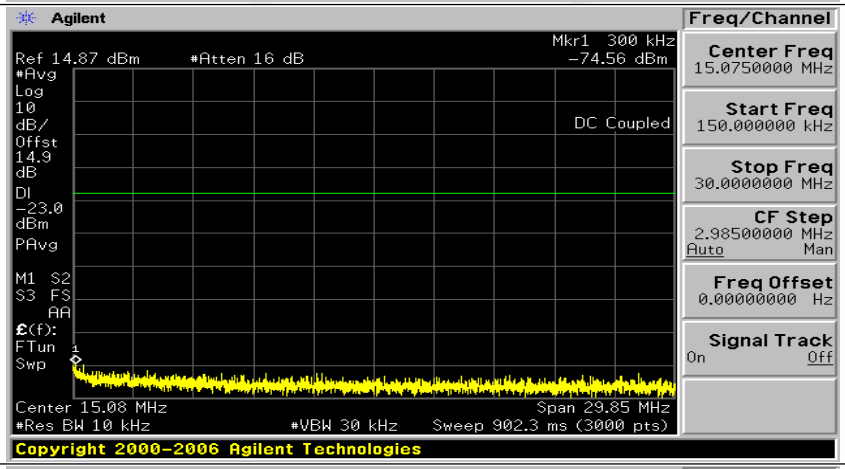
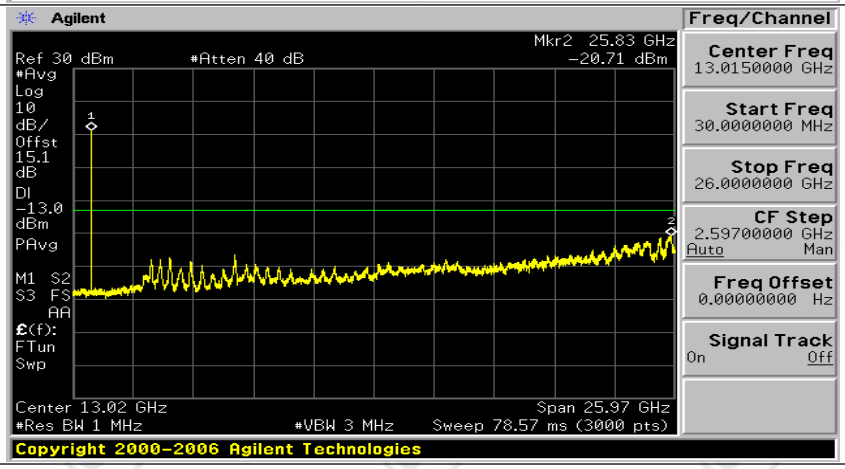


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

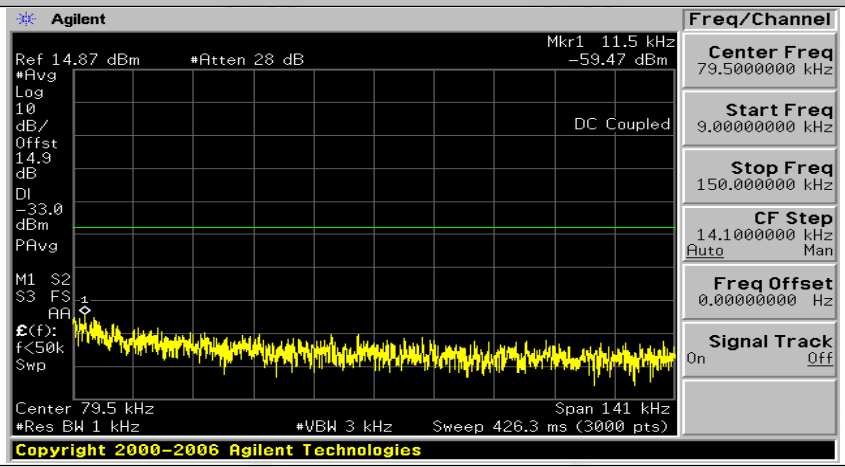


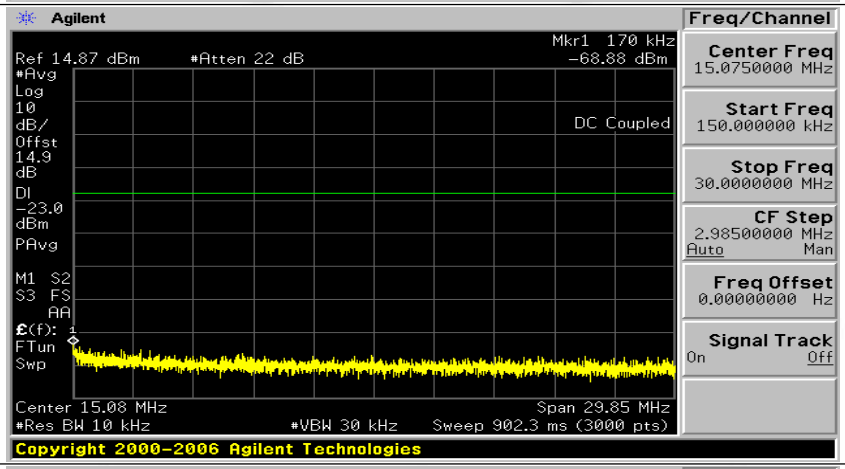


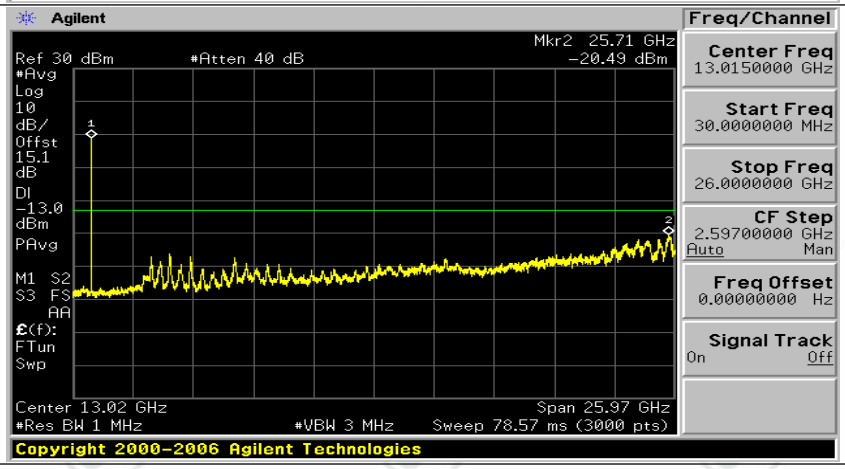


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0




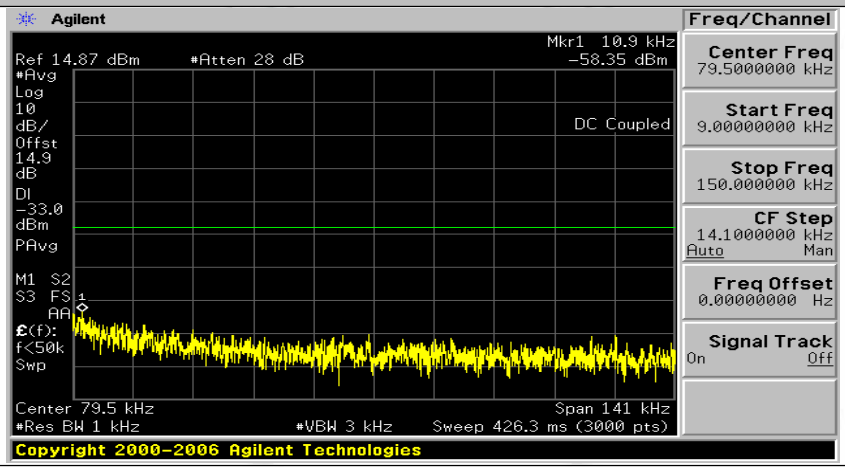
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

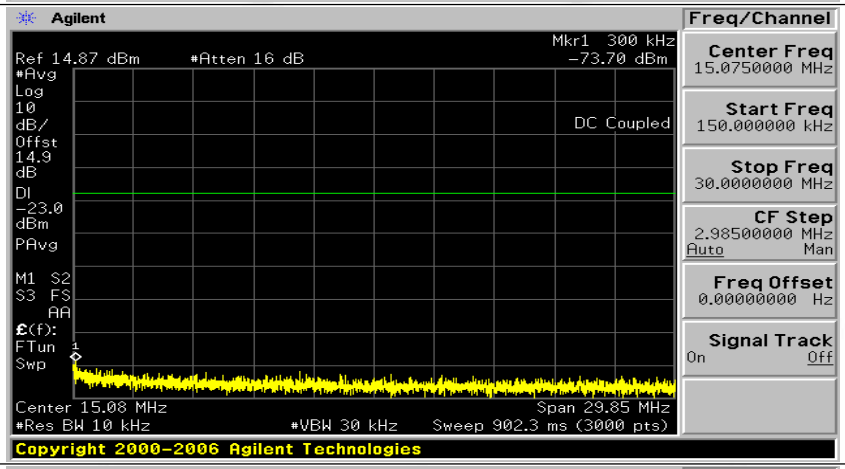


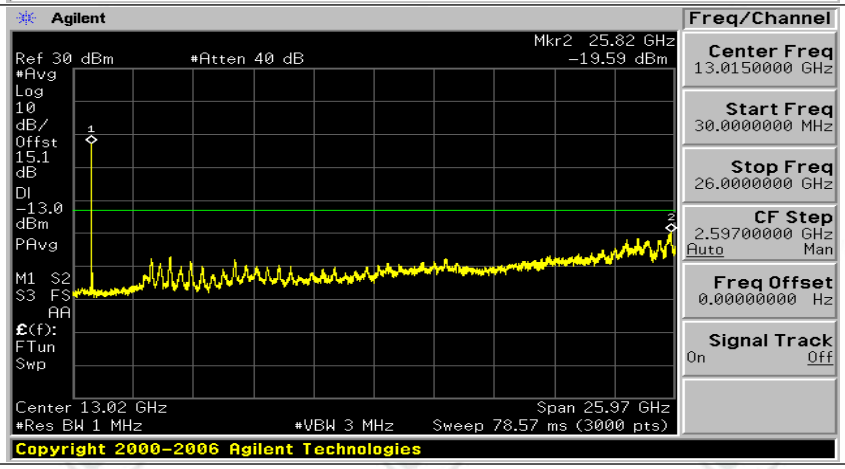




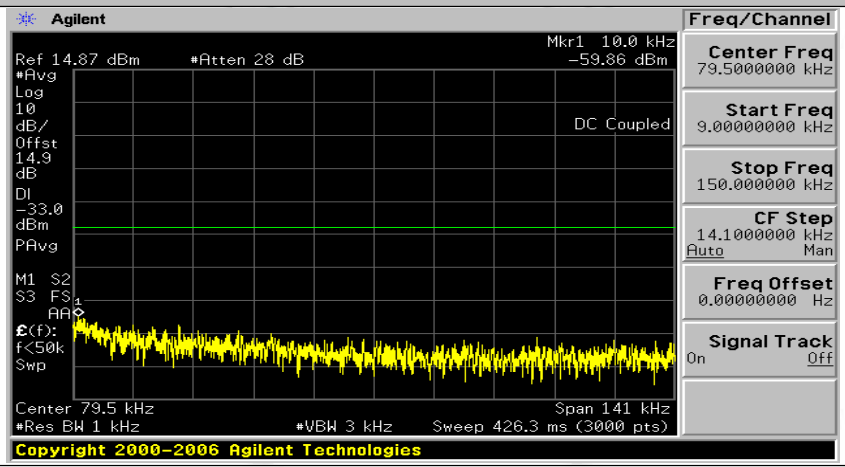
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

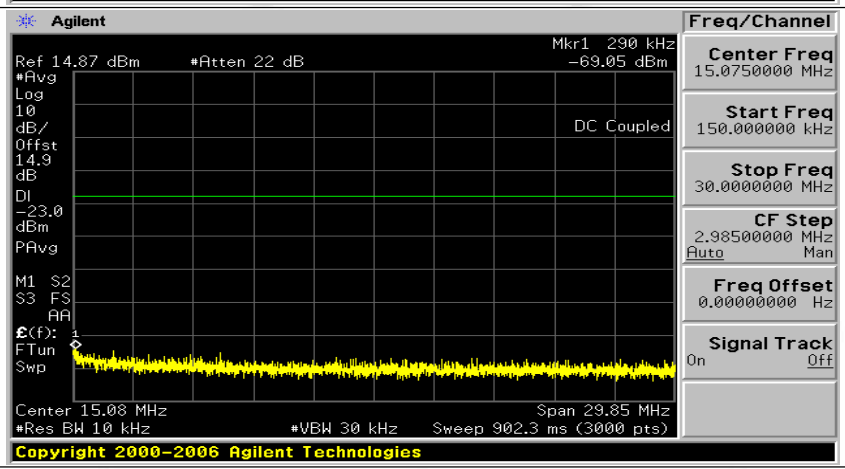


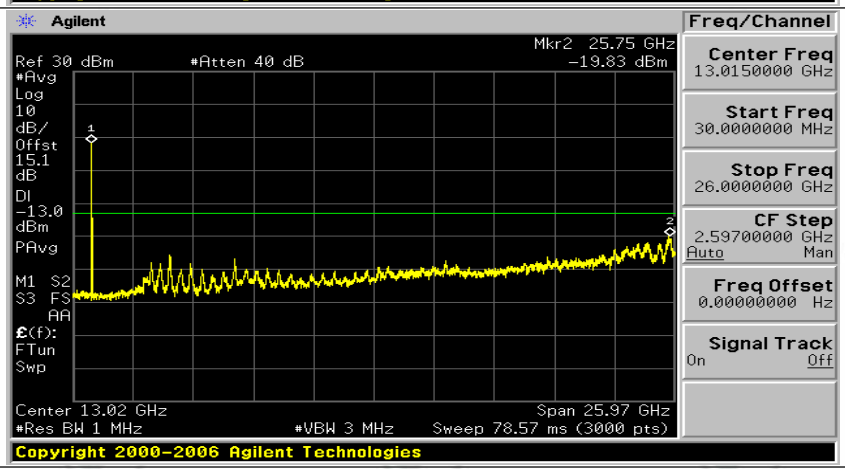




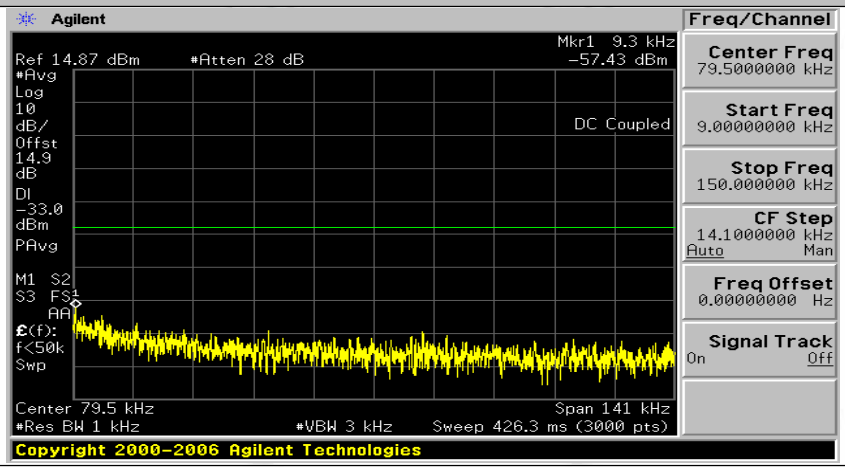
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

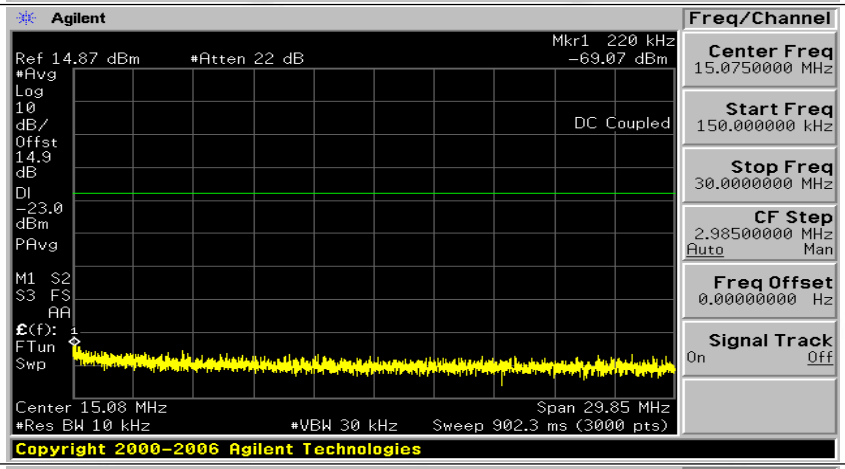


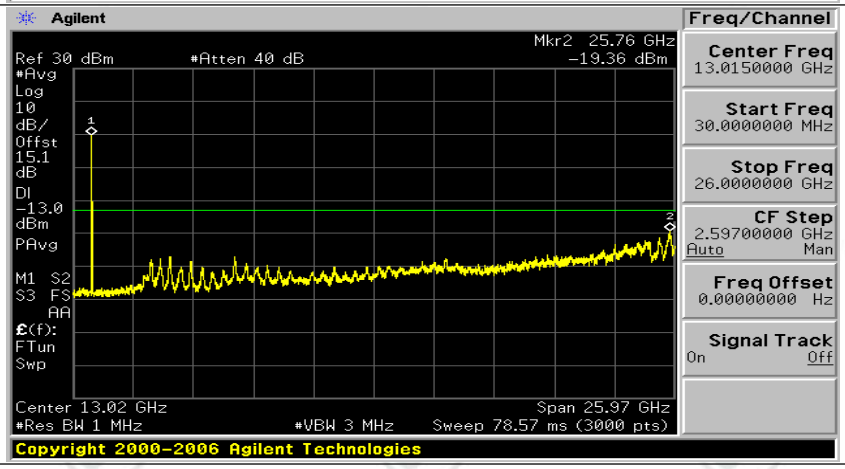




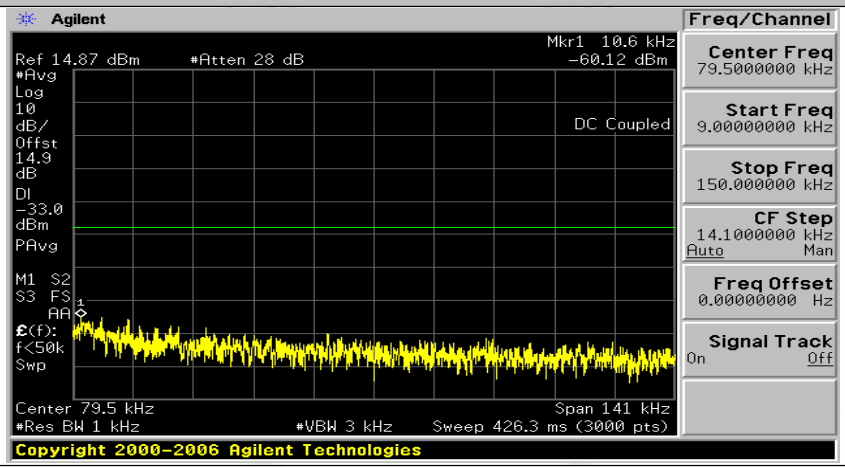
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

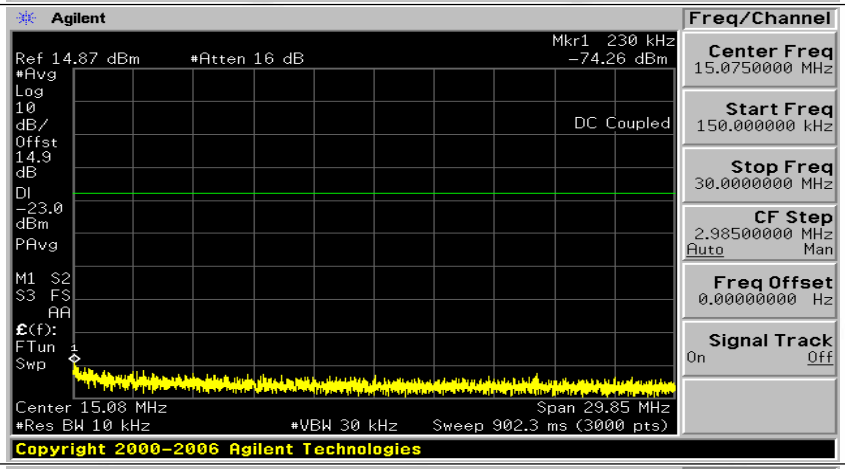


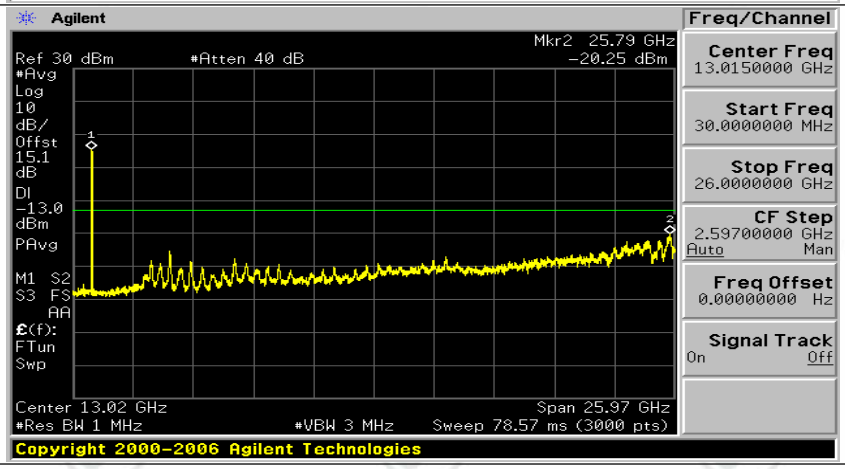




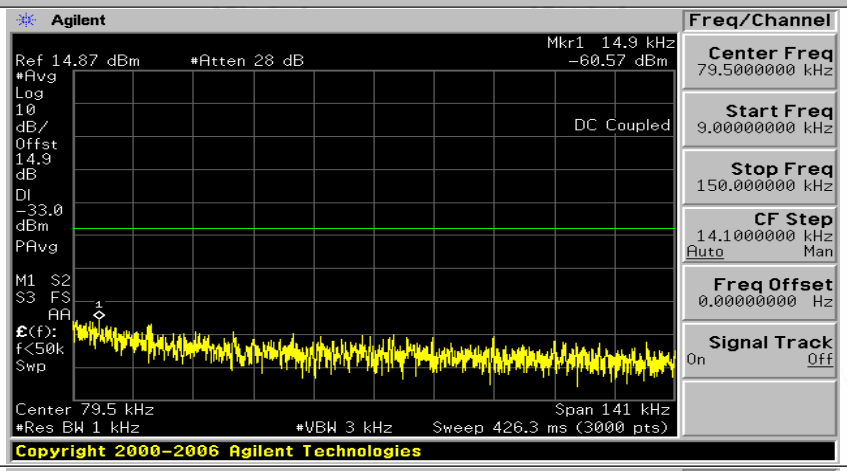
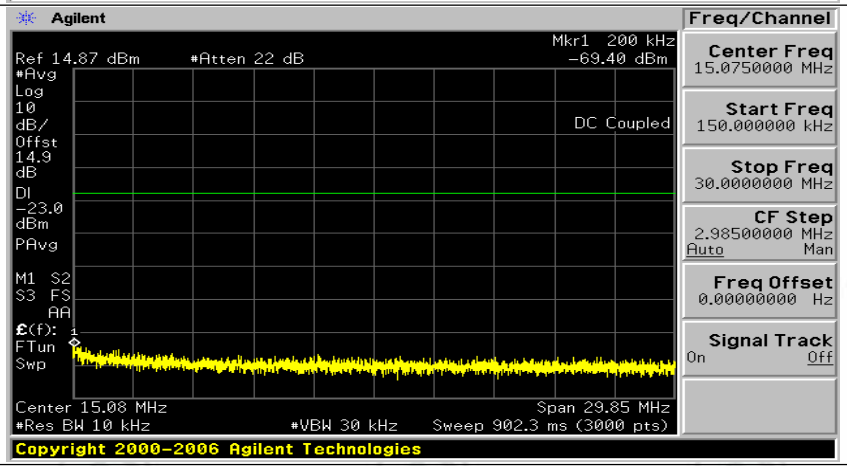
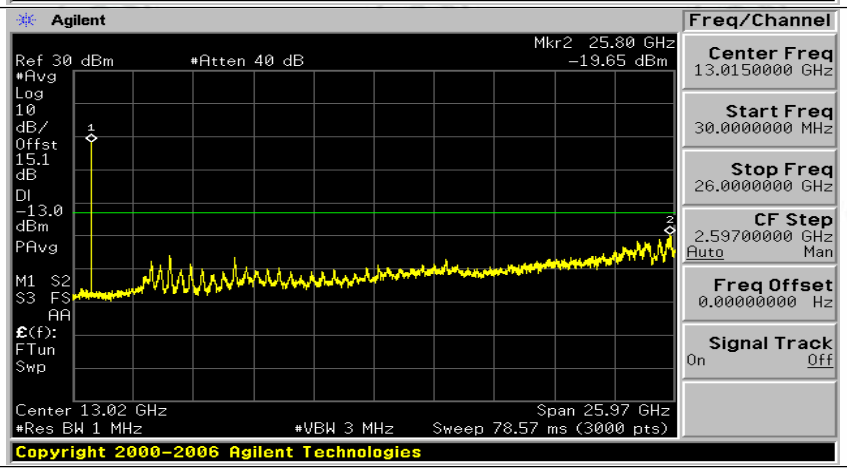
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

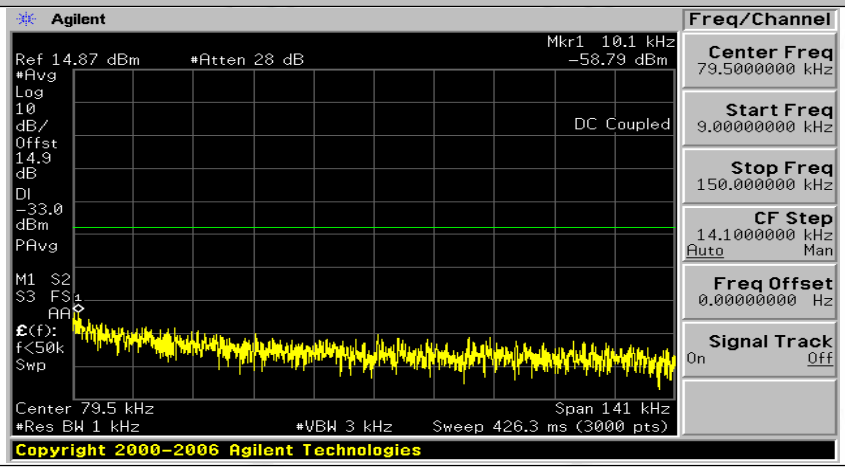
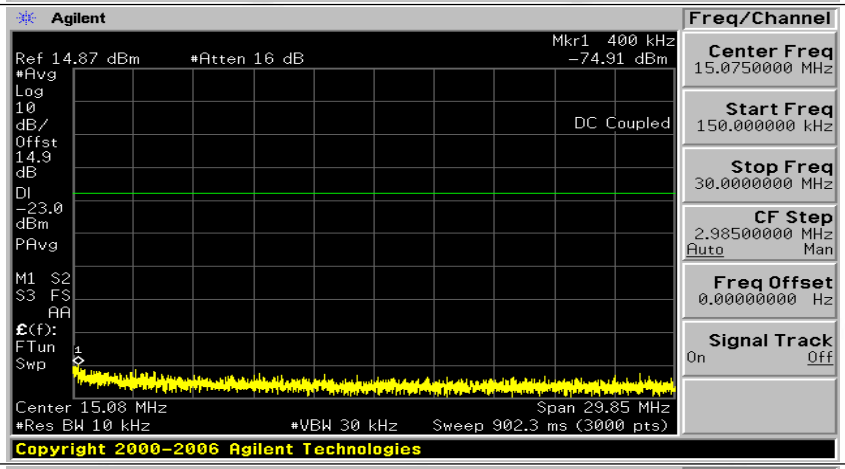
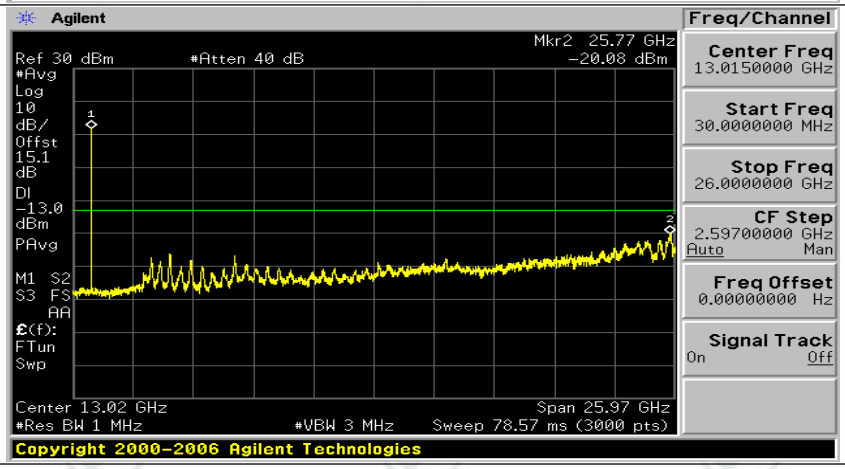


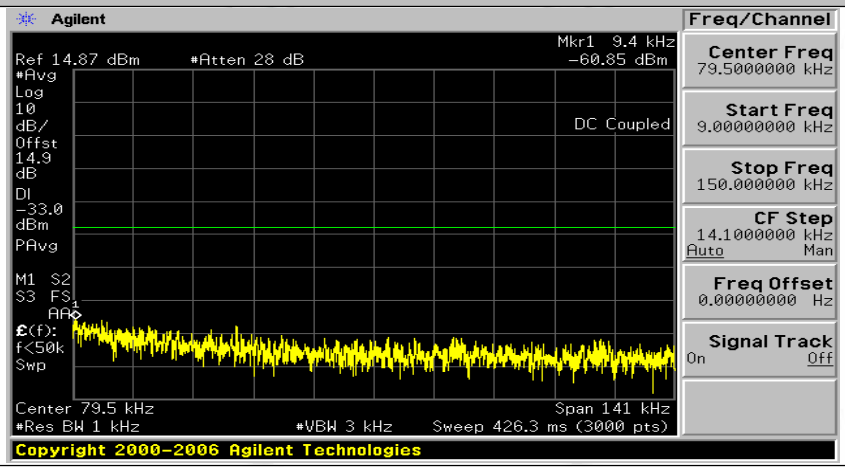
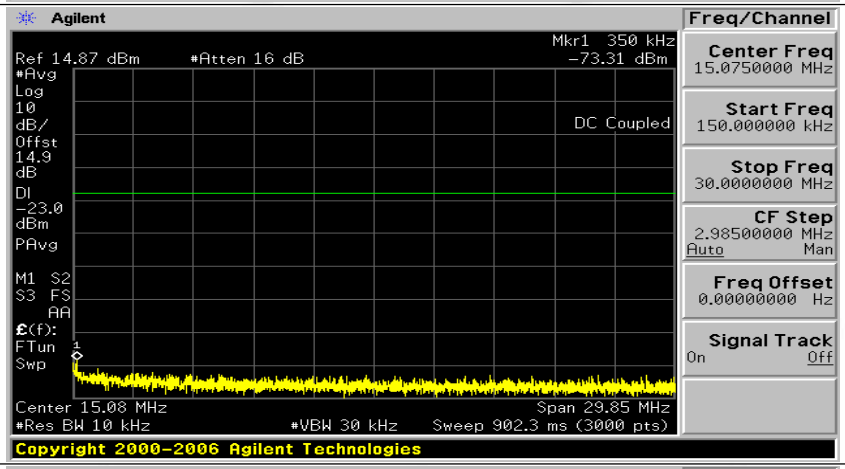
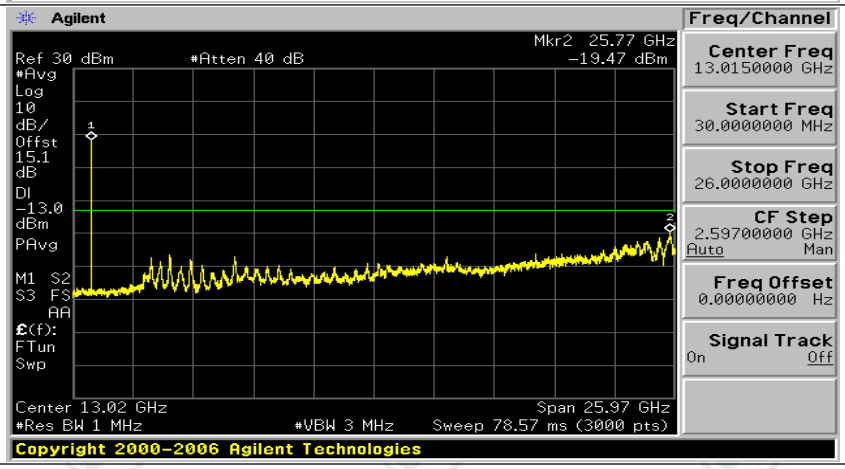


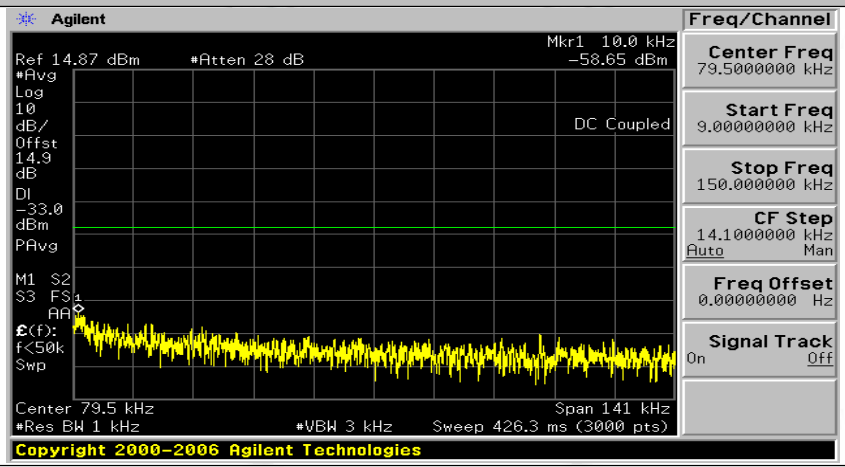
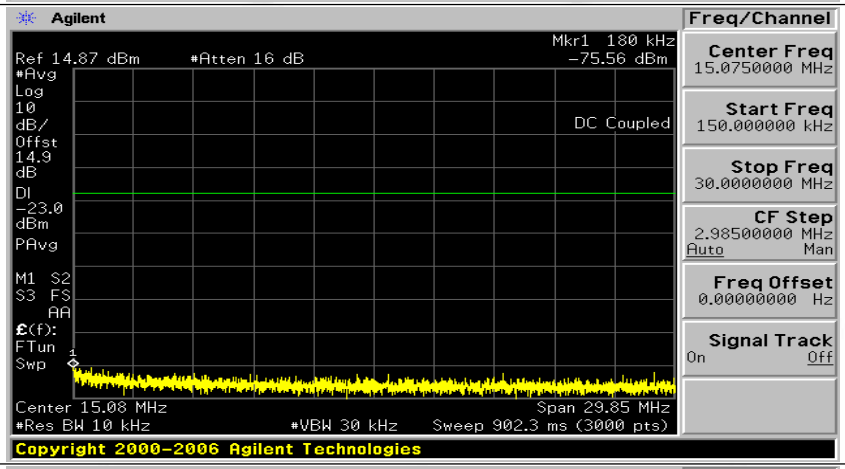
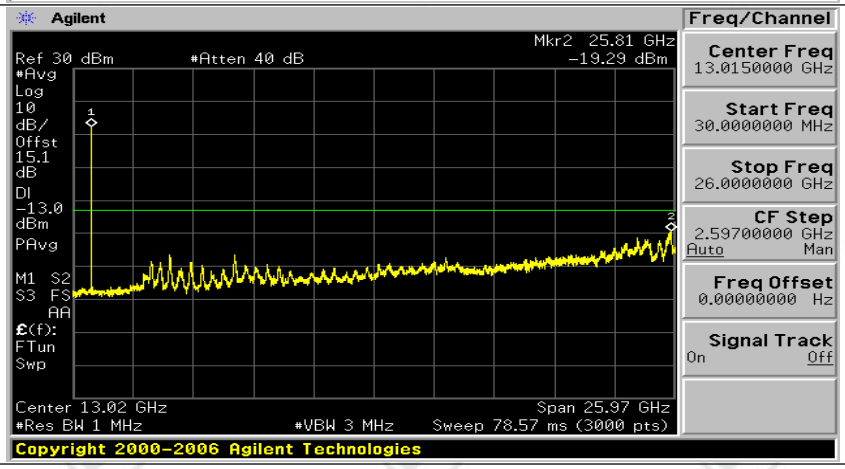


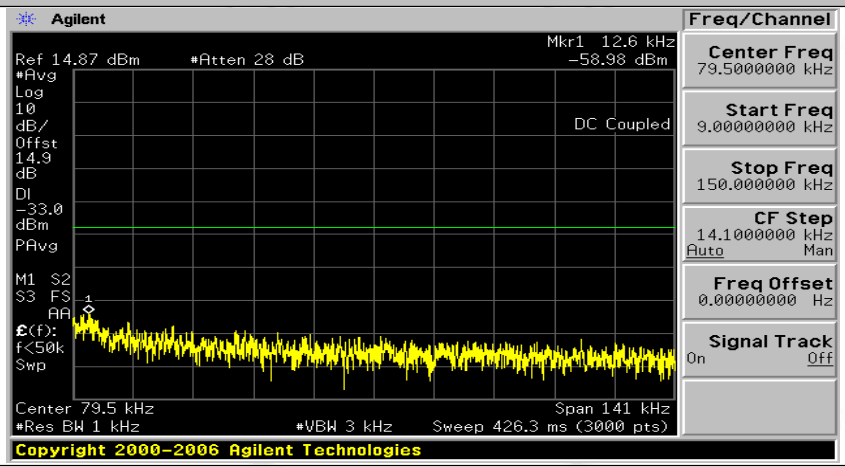
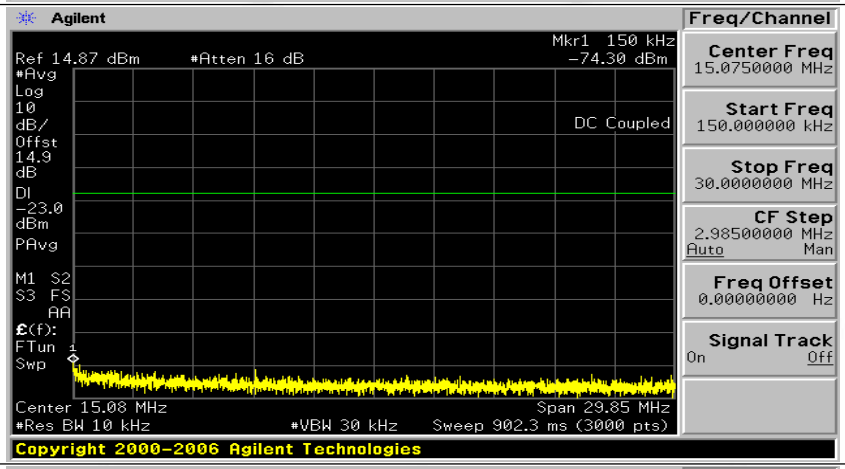
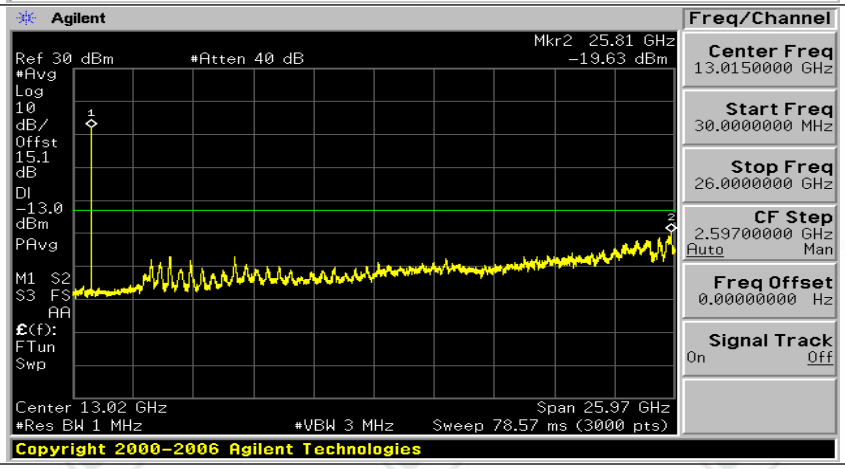
Channel Bandwidth: 10 MHz

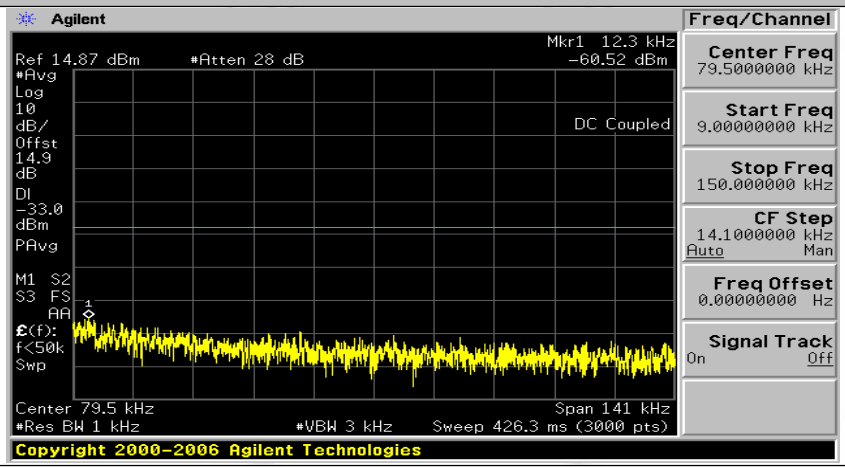
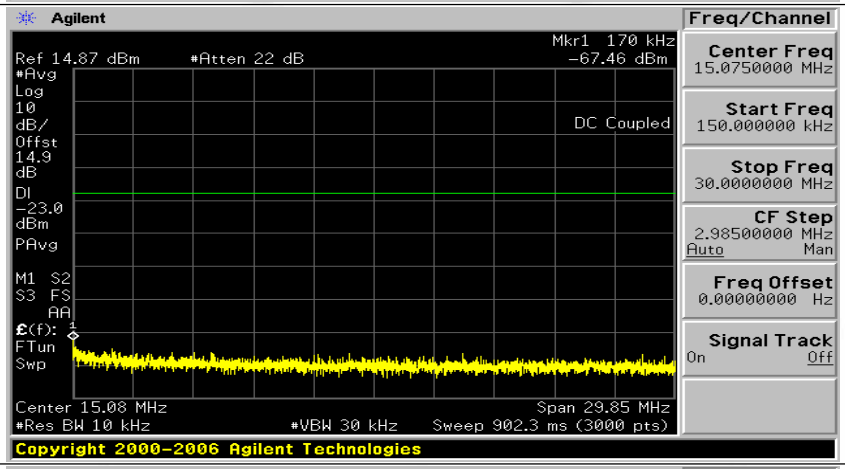
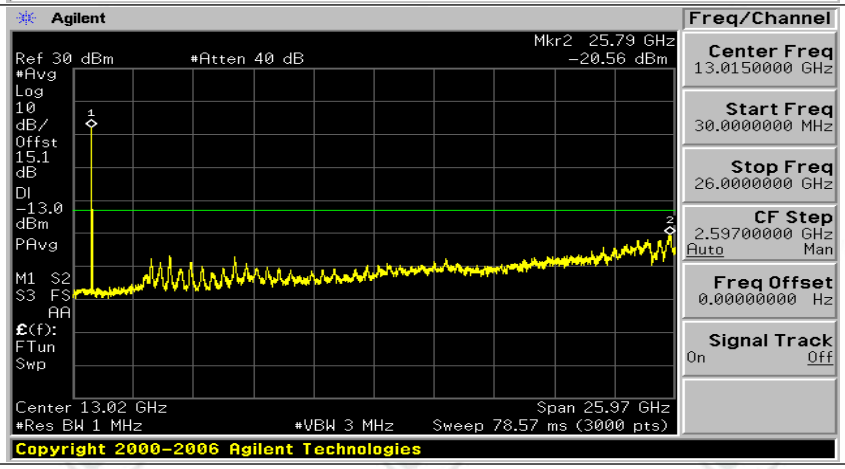
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0




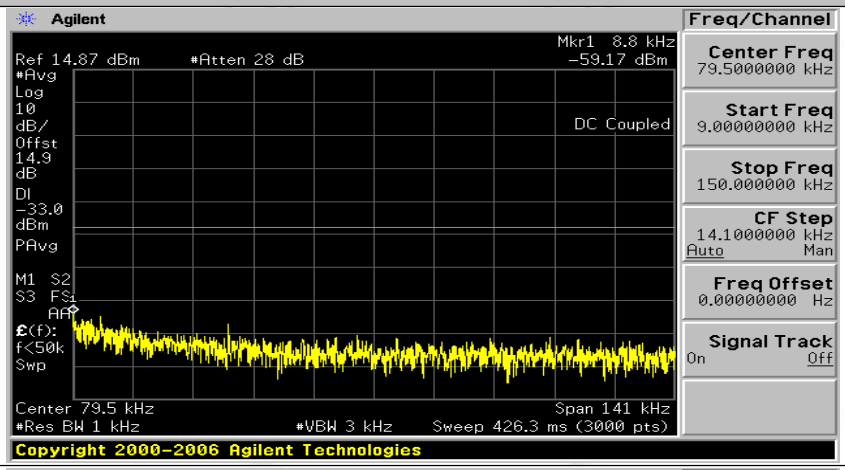
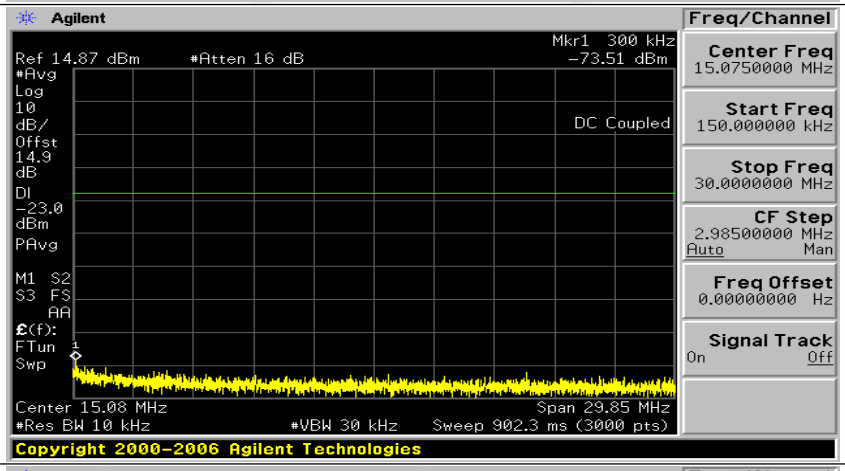
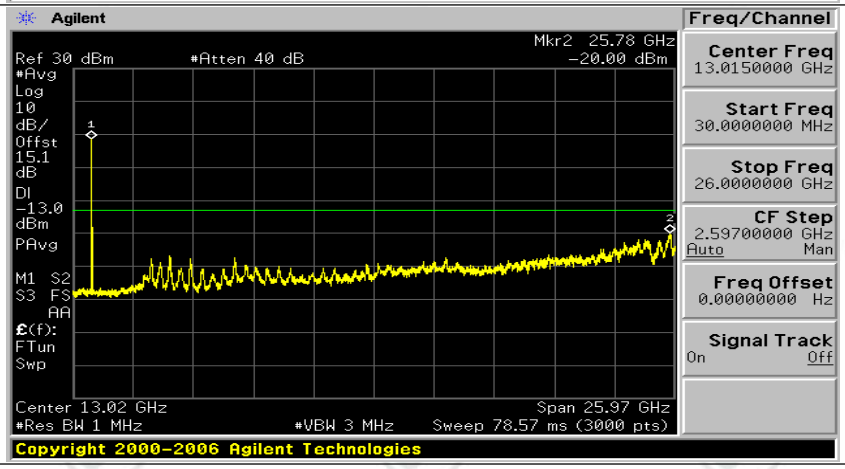
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24




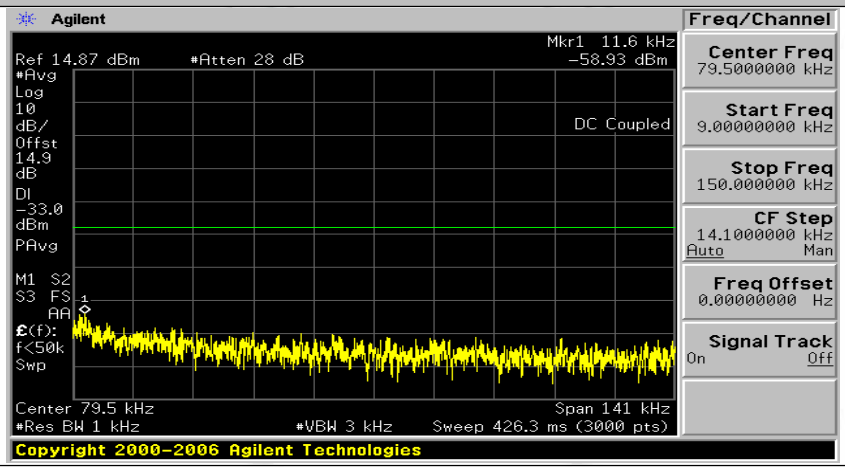
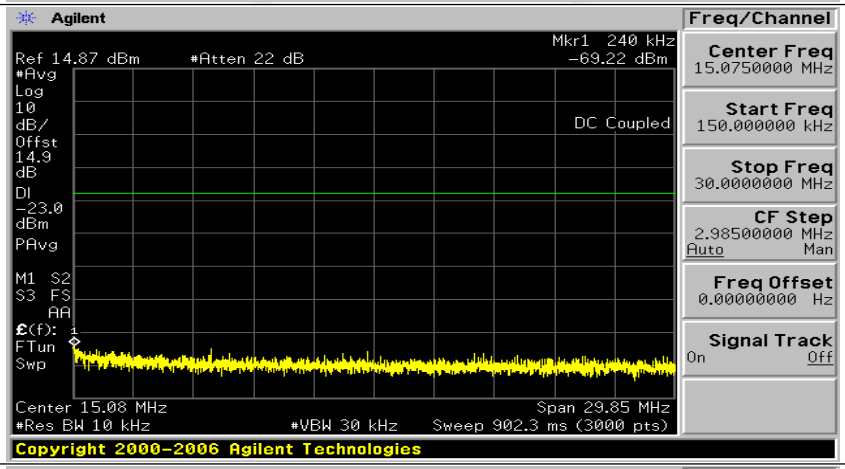
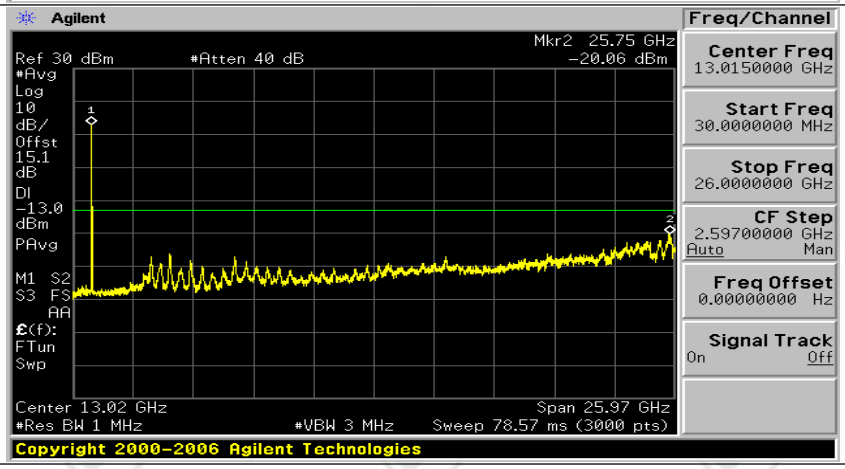
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49




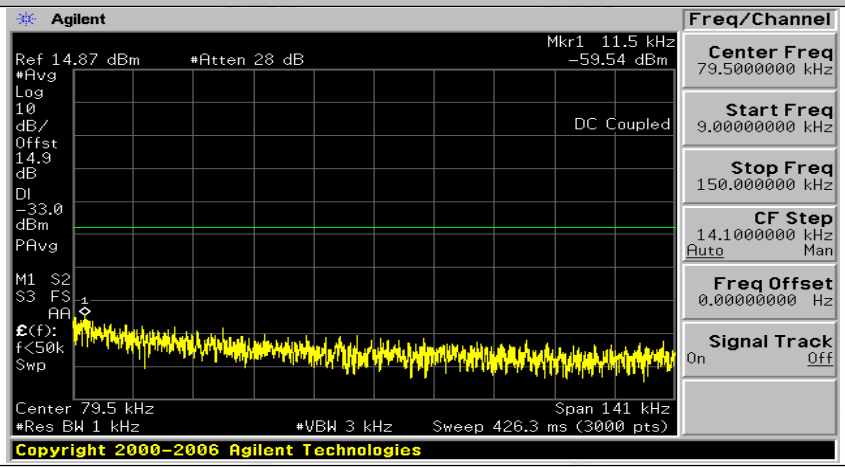
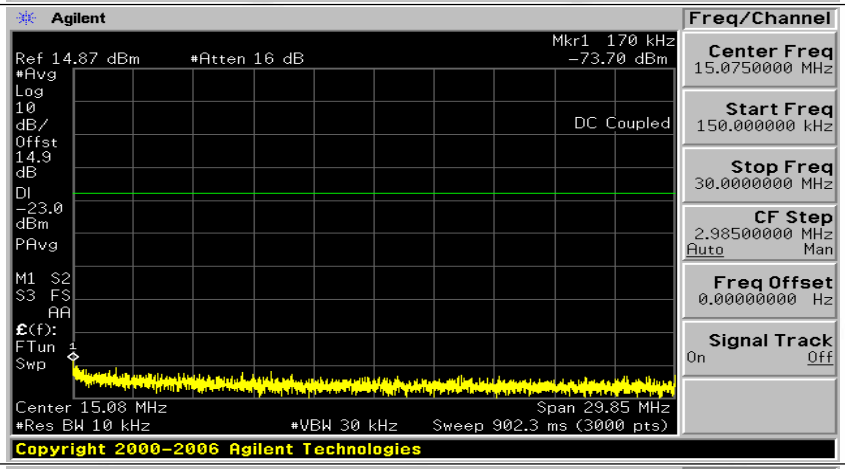
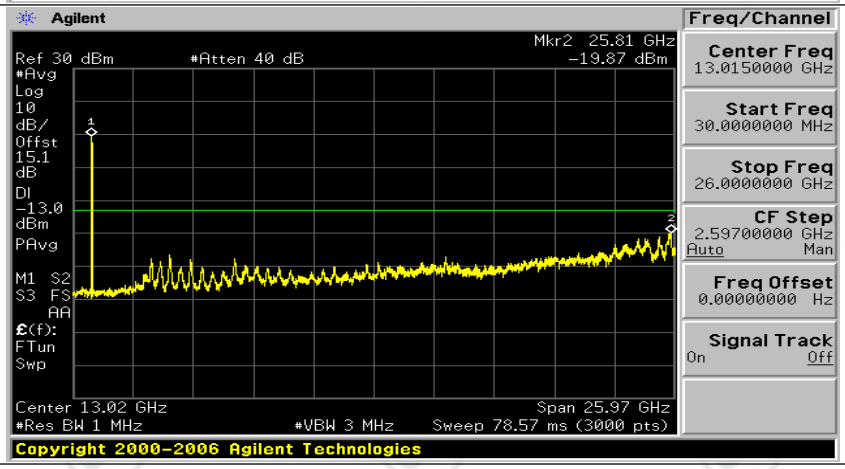
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0




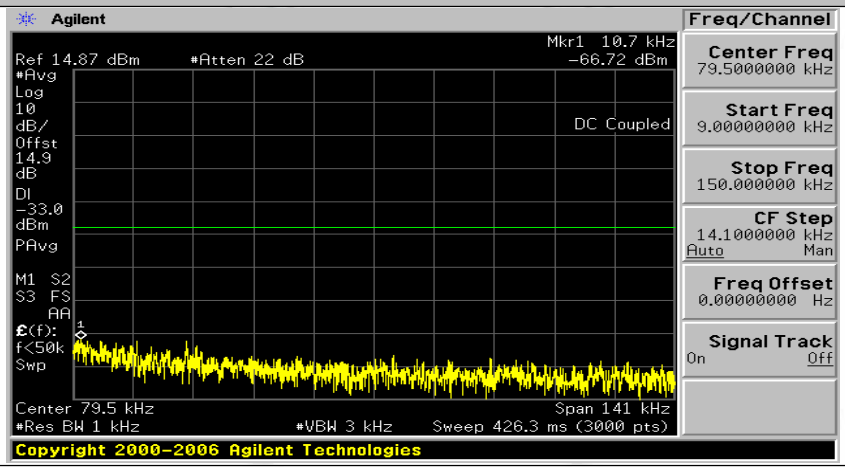
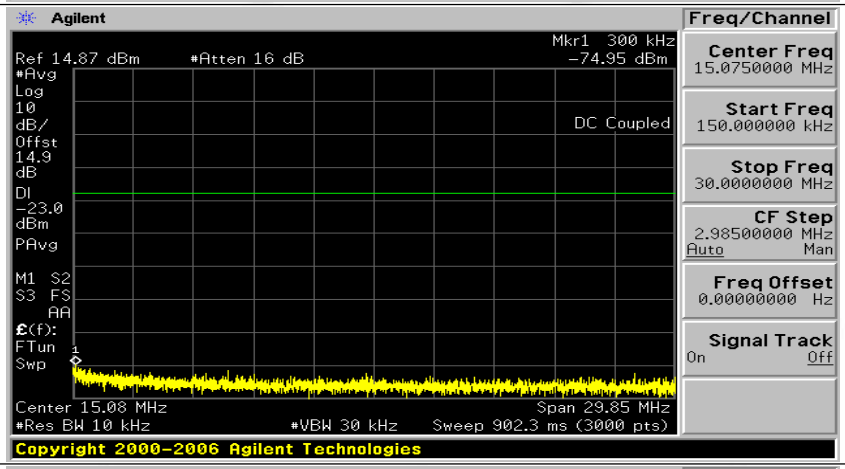
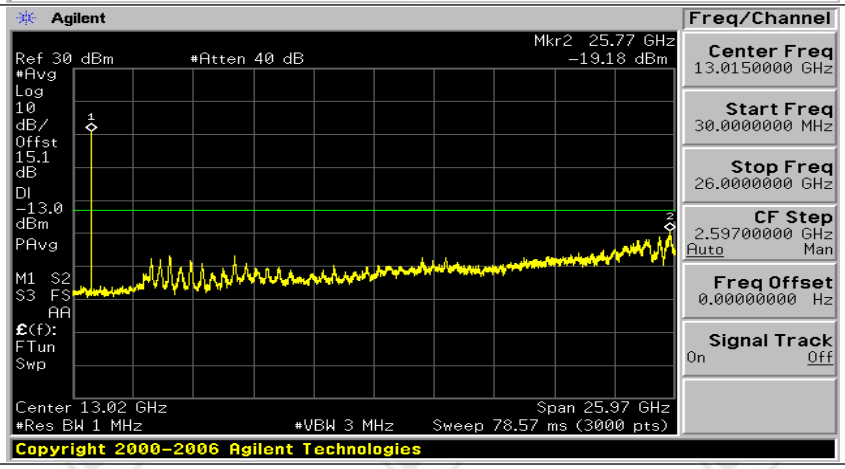
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24




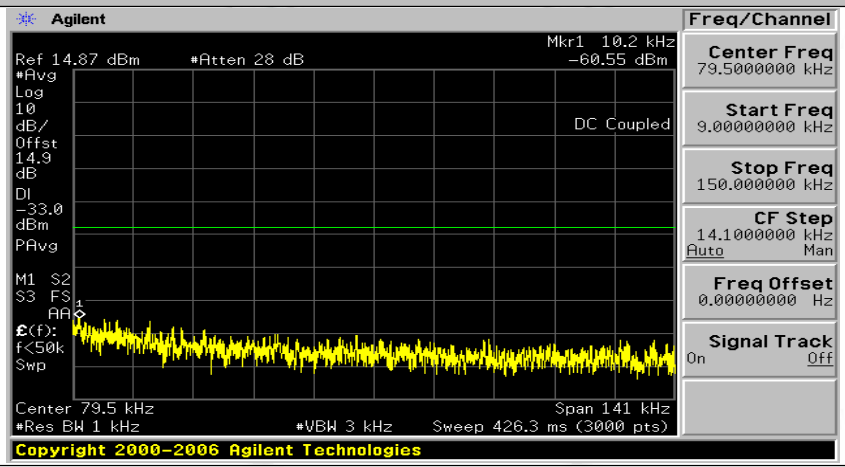
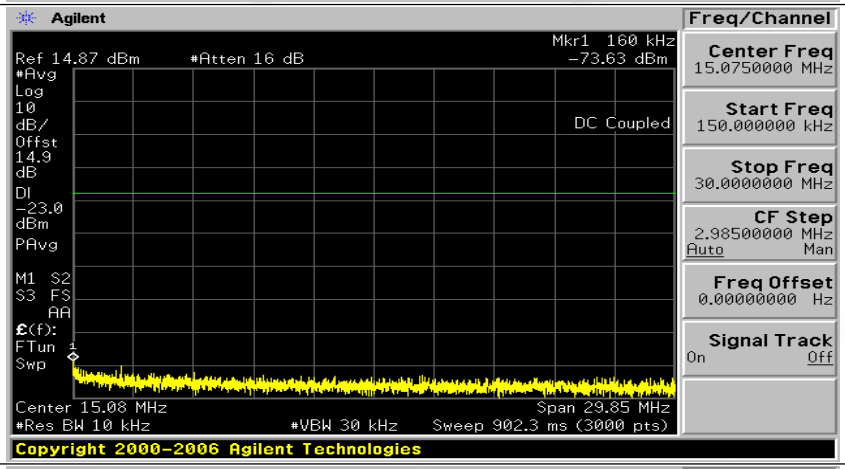
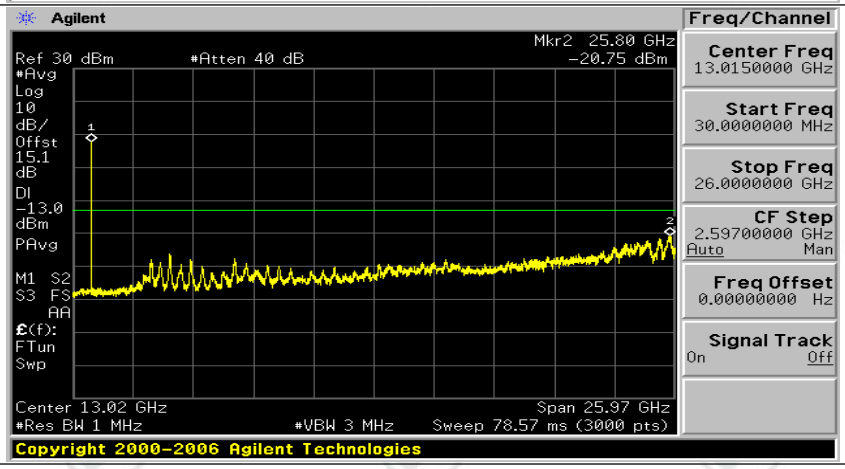
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49




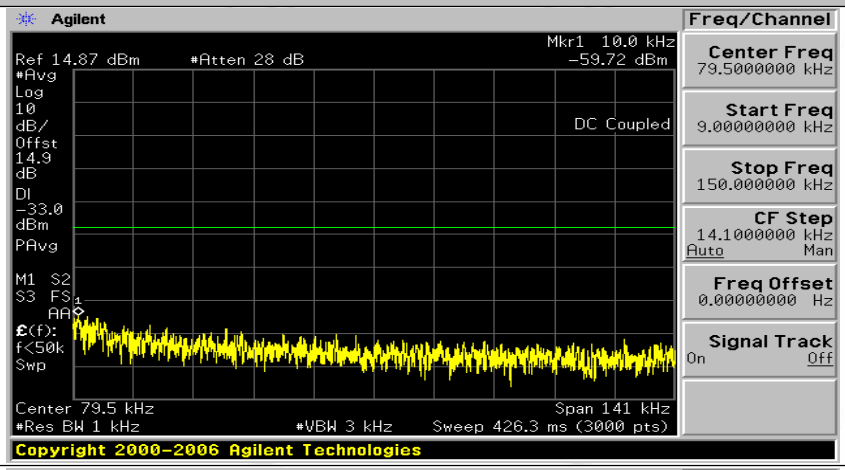
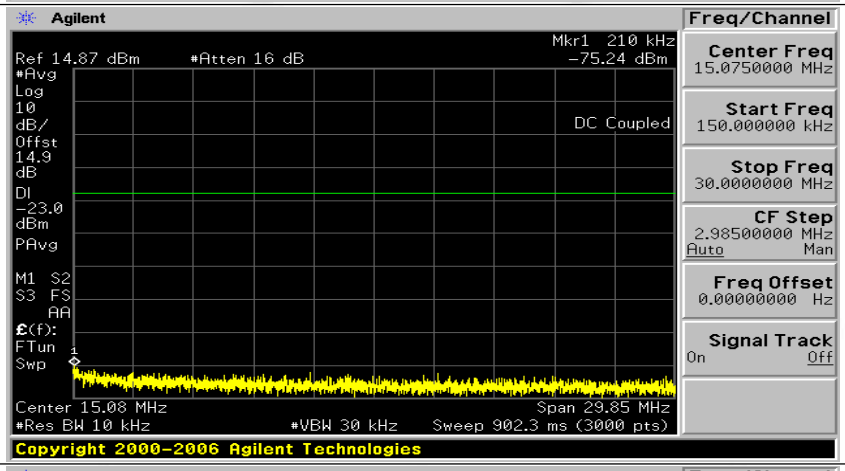
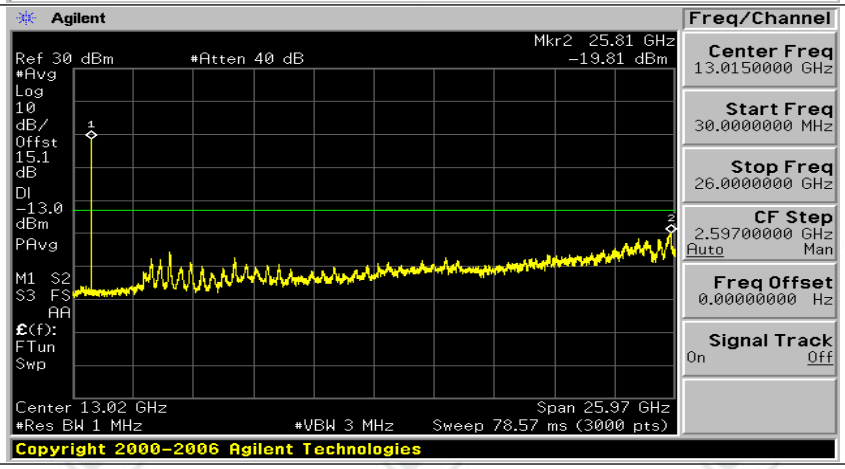
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0




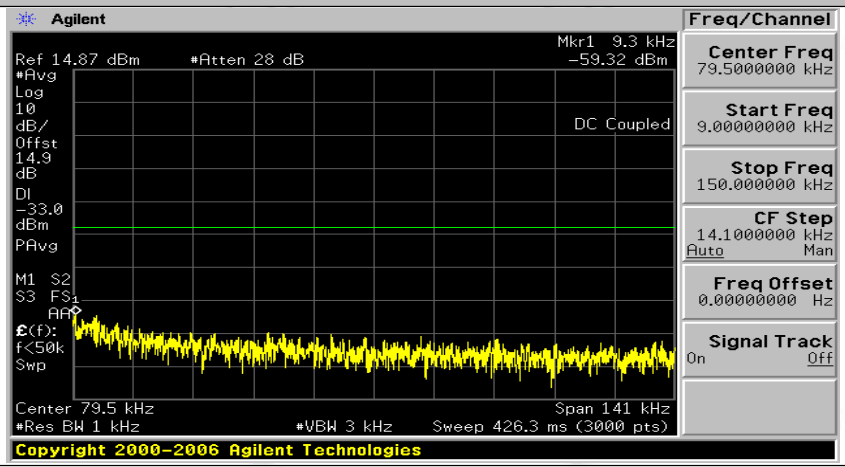
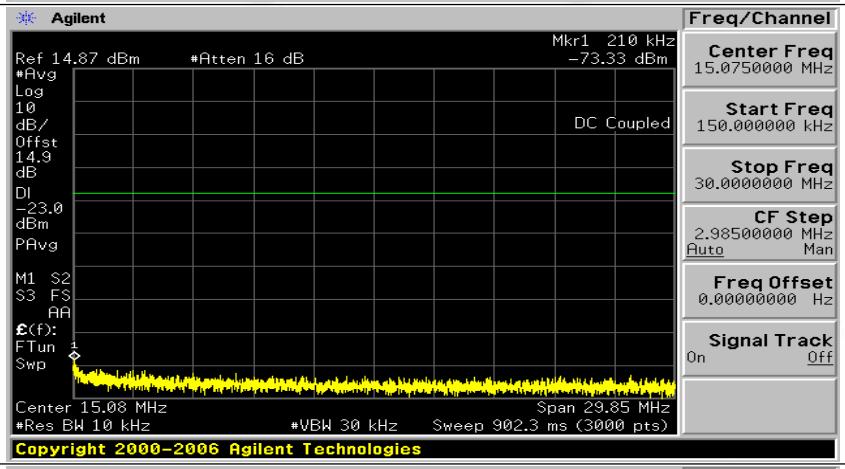
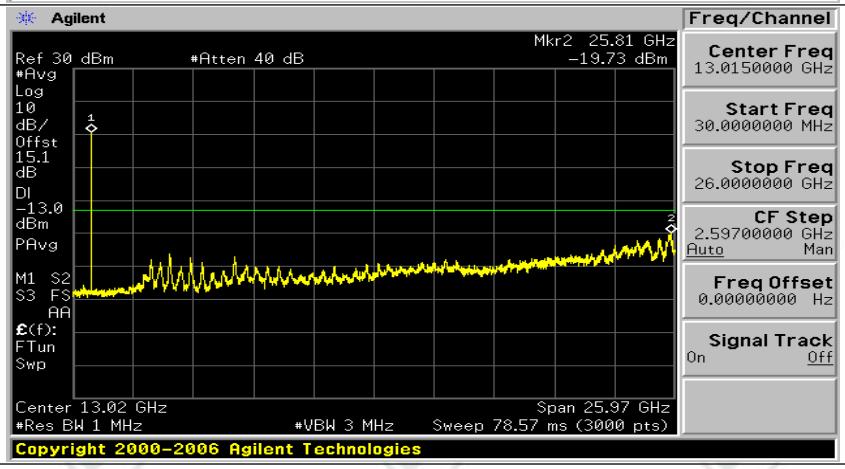
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24




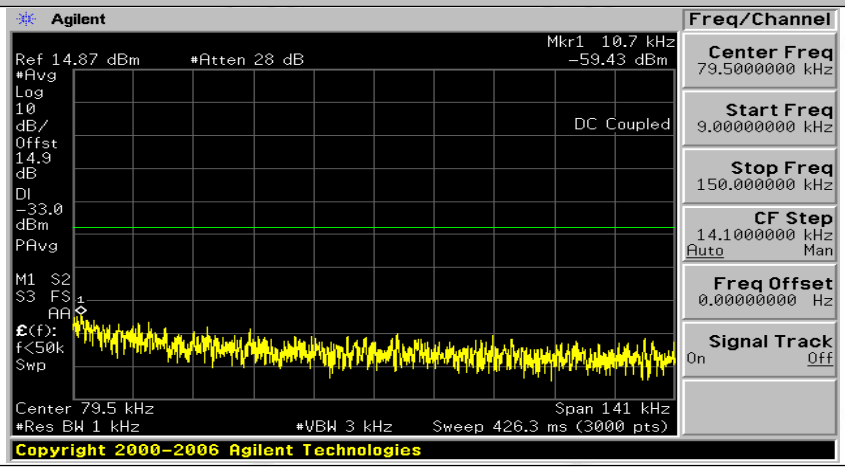
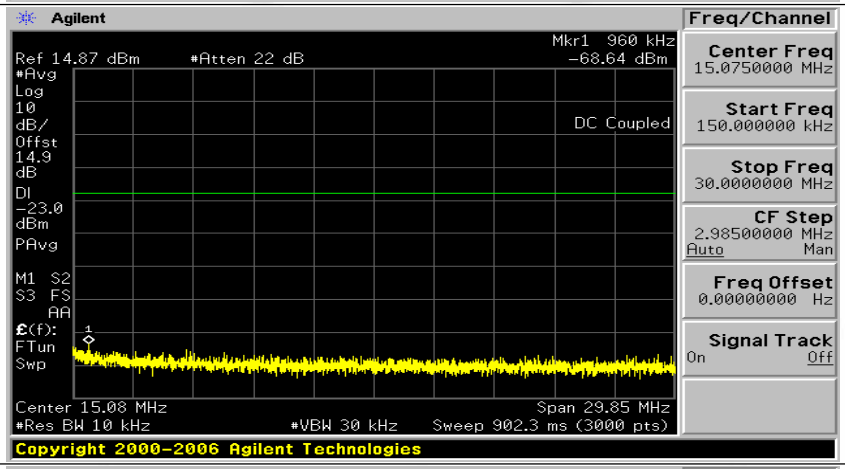
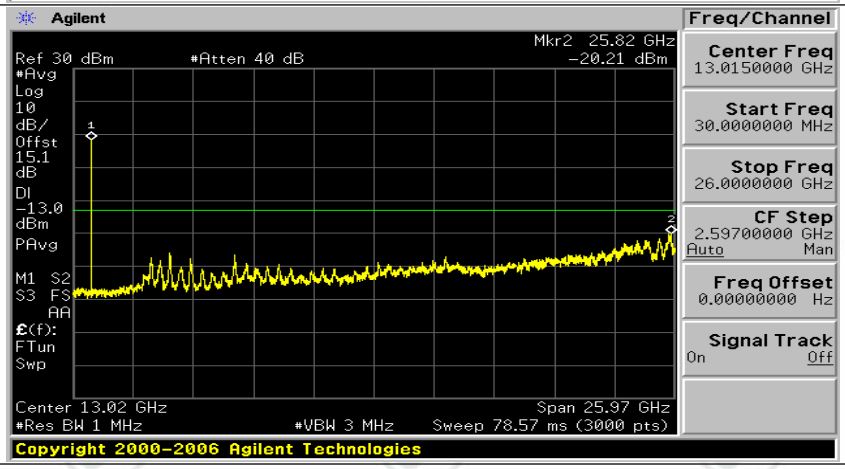
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49




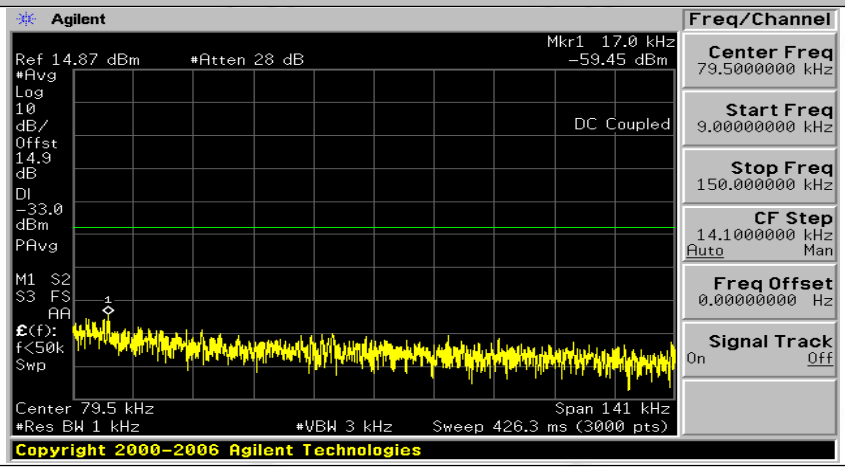
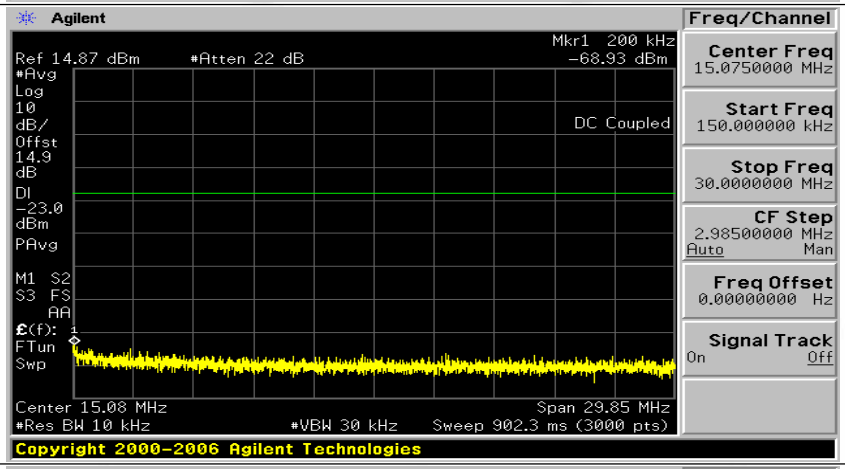
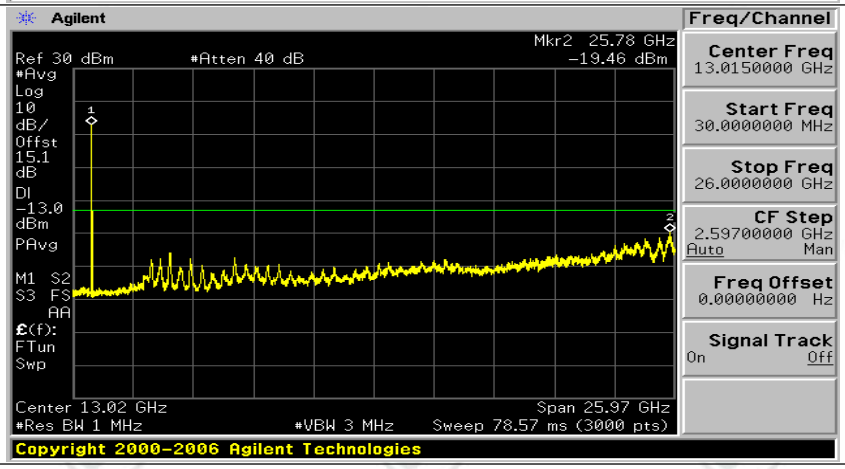
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0




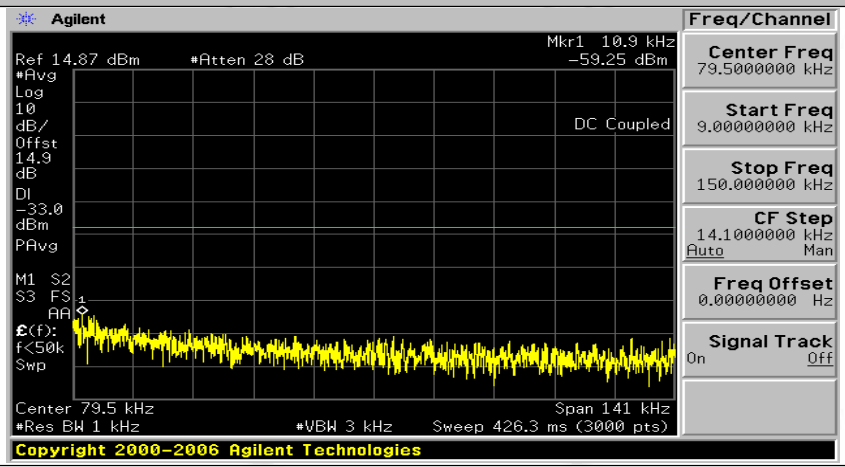
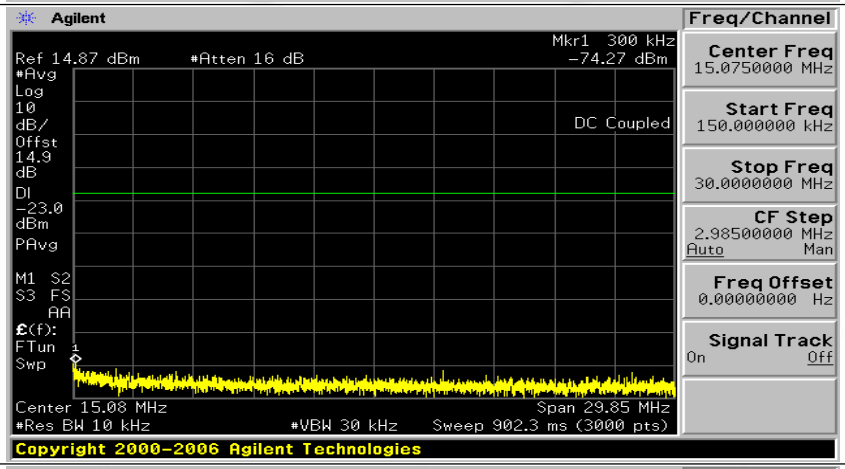
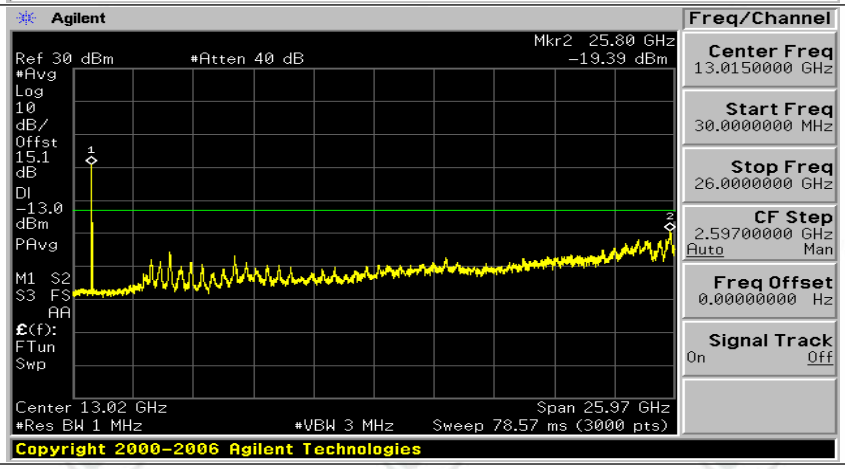
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24




Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49




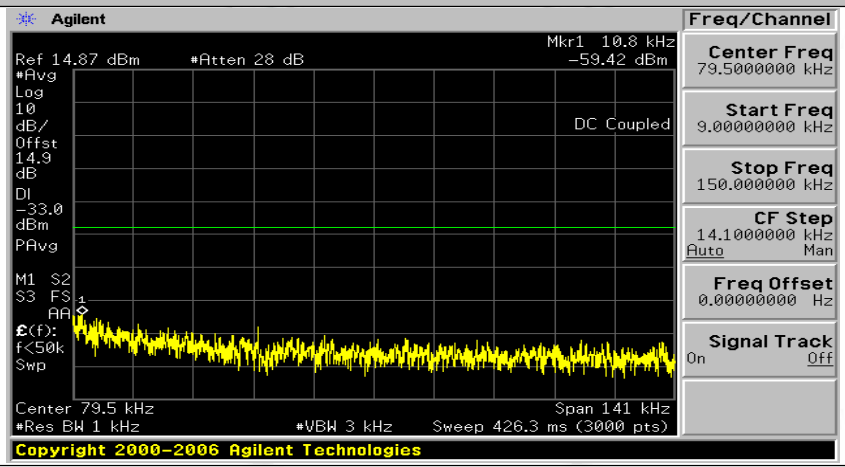
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0




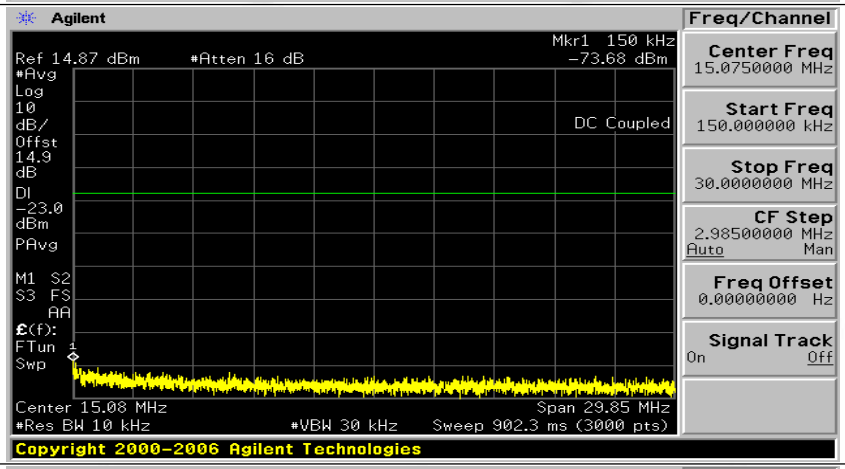
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24




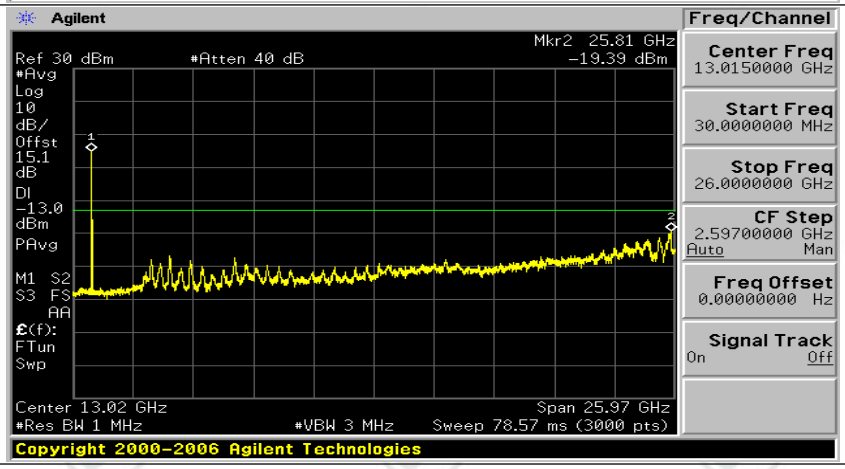
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49




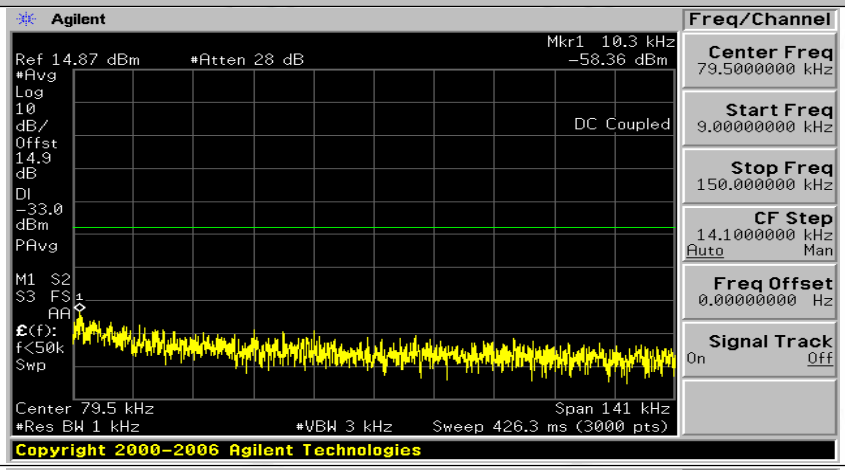
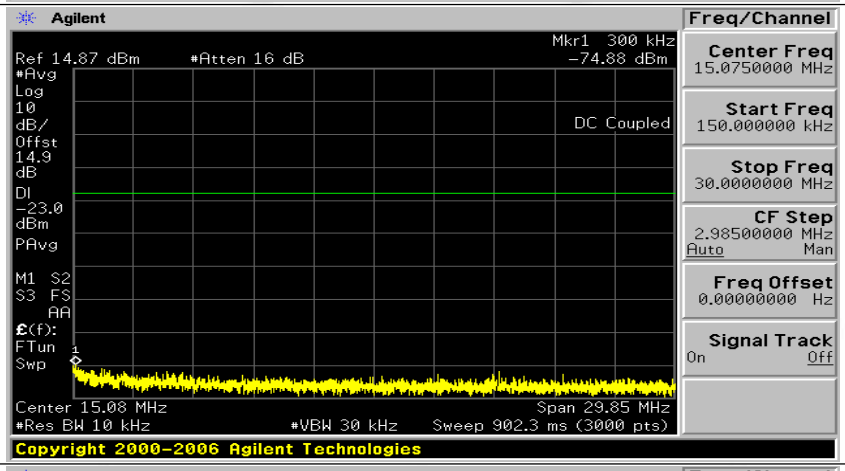
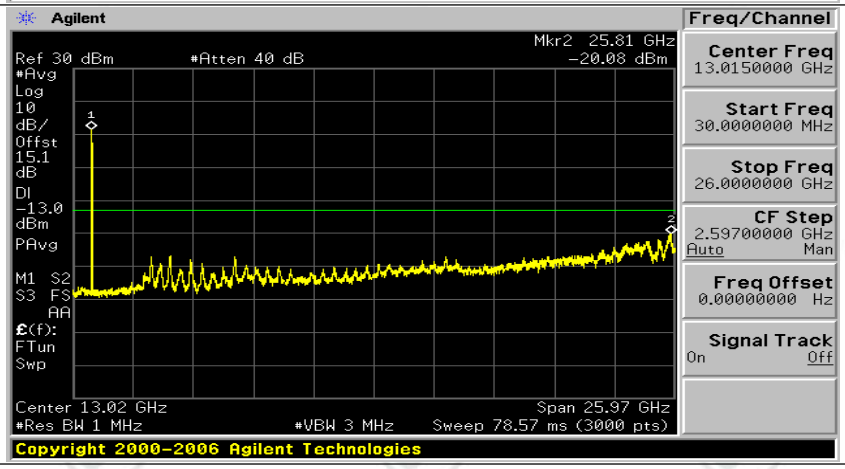
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24







Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49




Appendix F: Frequency Stability

Test Result

(Remark: Beacuse physical dimensions of bicycle , The stabilizing portion is chosed for test. stabilizing portion is powered by DC12V, VL is 10.2V, VN is 12V, VH is 13.8V for variation of primary supply voltage)

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-9.50	-0.011518	± 2.5	PASS
		VN	TN	-9.11	-0.011049	± 2.5	PASS
		VH	TN	-6.61	-0.008014	± 2.5	PASS
	MCH	VL	TN	-9.80	-0.011714	± 2.5	PASS
		VN	TN	-11.17	-0.013356	± 2.5	PASS
		VH	TN	-4.69	-0.005609	± 2.5	PASS
	HCH	VL	TN	0.37	0.000438	± 2.5	PASS
		VN	TN	-7.95	-0.009376	± 2.5	PASS
		VH	TN	-1.73	-0.002040	± 2.5	PASS
16QAM	LCH	VL	TN	-4.55	-0.005516	± 2.5	PASS
		VN	TN	-6.81	-0.008257	± 2.5	PASS
		VH	TN	1.63	0.001977	± 2.5	PASS
	MCH	VL	TN	15.41	0.018418	± 2.5	PASS
		VN	TN	-2.43	-0.002907	± 2.5	PASS
		VH	TN	-7.02	-0.008397	± 2.5	PASS
	HCH	VL	TN	-8.98	-0.010590	± 2.5	PASS
		VN	TN	0.46	0.000540	± 2.5	PASS
		VH	TN	-3.00	-0.003541	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	7.28	0.008829	± 2.5	PASS
		VN	-20	-7.37	-0.008933	± 2.5	PASS
		VN	-10	-5.22	-0.006331	± 2.5	PASS
		VN	0	-7.32	-0.008881	± 2.5	PASS
		VN	10	-0.84	-0.001023	± 2.5	PASS
		VN	20	-6.09	-0.007389	± 2.5	PASS
		VN	30	-8.07	-0.009783	± 2.5	PASS
		VN	40	-6.92	-0.008395	± 2.5	PASS
		VN	50	-9.41	-0.011414	± 2.5	PASS
	MCH	VN	-30	-9.53	-0.011389	± 2.5	PASS
		VN	-20	-11.01	-0.013168	± 2.5	PASS
		VN	-10	-7.51	-0.008978	± 2.5	PASS
		VN	0	-6.38	-0.007627	± 2.5	PASS
		VN	10	28.92	0.034579	± 2.5	PASS

		VN	20	0.43	0.000513	± 2.5	PASS
		VN	30	-4.73	-0.005660	± 2.5	PASS
		VN	40	-6.61	-0.007901	± 2.5	PASS
		VN	50	-5.71	-0.006823	± 2.5	PASS
	HCH	VN	-30	-5.31	-0.006256	± 2.5	PASS
		VN	-20	-18.22	-0.021484	± 2.5	PASS
		VN	-10	-7.51	-0.008853	± 2.5	PASS
		VN	0	-4.98	-0.005868	± 2.5	PASS
		VN	10	-5.28	-0.006223	± 2.5	PASS
		VN	20	-6.87	-0.008094	± 2.5	PASS
		VN	30	-6.59	-0.007774	± 2.5	PASS
		VN	40	-9.47	-0.011163	± 2.5	PASS
		VN	50	-9.88	-0.011653	± 2.5	PASS
16QAM	LCH	VN	-30	-9.81	-0.011899	± 2.5	PASS
		VN	-20	-8.77	-0.010633	± 2.5	PASS
		VN	-10	-9.84	-0.011934	± 2.5	PASS
		VN	0	-8.74	-0.010598	± 2.5	PASS
		VN	10	-11.19	-0.013564	± 2.5	PASS
		VN	20	-6.92	-0.008395	± 2.5	PASS
		VN	30	-5.46	-0.006626	± 2.5	PASS
		VN	40	-3.66	-0.004441	± 2.5	PASS
		VN	50	-7.58	-0.009193	± 2.5	PASS
	MCH	VN	-30	-7.22	-0.008636	± 2.5	PASS
		VN	-20	-1.29	-0.001539	± 2.5	PASS
		VN	-10	-9.50	-0.011355	± 2.5	PASS
		VN	0	-3.58	-0.004275	± 2.5	PASS
		VN	10	-6.34	-0.007576	± 2.5	PASS
		VN	20	-4.08	-0.004874	± 2.5	PASS
		VN	30	-0.29	-0.000342	± 2.5	PASS
		VN	40	2.57	0.003078	± 2.5	PASS
		VN	50	-4.79	-0.005729	± 2.5	PASS
	HCH	VN	-30	-3.38	-0.003980	± 2.5	PASS
		VN	-20	-9.24	-0.010894	± 2.5	PASS
		VN	-10	-6.35	-0.007487	± 2.5	PASS
		VN	0	-8.51	-0.010034	± 2.5	PASS
		VN	10	-8.14	-0.009595	± 2.5	PASS
		VN	20	-10.43	-0.012293	± 2.5	PASS
		VN	30	-3.28	-0.003862	± 2.5	PASS
		VN	40	-7.98	-0.009410	± 2.5	PASS
		VN	50	-8.65	-0.010202	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.44	0.001750	± 2.5	PASS
		VN	TN	-3.96	-0.004800	± 2.5	PASS
		VH	TN	5.98	0.007244	± 2.5	PASS
	MCH	VL	TN	-9.98	-0.011937	± 2.5	PASS
		VN	TN	-3.28	-0.003916	± 2.5	PASS
		VH	TN	-0.41	-0.000496	± 2.5	PASS
	HCH	VL	TN	-4.32	-0.005098	± 2.5	PASS
		VN	TN	-2.92	-0.003443	± 2.5	PASS
		VH	TN	-7.78	-0.009182	± 2.5	PASS
16QAM	LCH	VL	TN	2.40	0.002911	± 2.5	PASS
		VN	TN	0.99	0.001196	± 2.5	PASS
		VH	TN	-9.34	-0.011316	± 2.5	PASS
	MCH	VL	TN	-1.56	-0.001864	± 2.5	PASS
		VN	TN	-8.68	-0.010380	± 2.5	PASS
		VH	TN	-2.25	-0.002685	± 2.5	PASS
	HCH	VL	TN	-2.46	-0.002903	± 2.5	PASS
		VN	TN	1.33	0.001570	± 2.5	PASS
		VH	TN	-1.87	-0.002211	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-5.59	-0.006776	± 2.5	PASS
		VN	-20	-0.11	-0.000139	± 2.5	PASS
		VN	-10	-1.96	-0.002374	± 2.5	PASS
		VN	0	-3.60	-0.004367	± 2.5	PASS
		VN	10	-4.09	-0.004956	± 2.5	PASS
		VN	20	-8.85	-0.010727	± 2.5	PASS
		VN	30	-9.91	-0.012009	± 2.5	PASS
		VN	40	-12.66	-0.015336	± 2.5	PASS
		VN	50	-1.44	-0.001750	± 2.5	PASS
	MCH	VN	-30	-3.93	-0.004703	± 2.5	PASS
		VN	-20	-10.11	-0.012091	± 2.5	PASS
		VN	-10	-3.53	-0.004224	± 2.5	PASS
		VN	0	-8.24	-0.009850	± 2.5	PASS
		VN	10	-8.64	-0.010329	± 2.5	PASS
		VN	20	-8.03	-0.009594	± 2.5	PASS
		VN	30	-2.25	-0.002685	± 2.5	PASS
		VN	40	3.89	0.004652	± 2.5	PASS
		VN	50	-4.39	-0.005250	± 2.5	PASS
	HCH	VN	-30	-5.08	-0.005992	± 2.5	PASS
		VN	-20	-7.04	-0.008305	± 2.5	PASS
		VN	-10	-5.39	-0.006363	± 2.5	PASS

		VN	0	-5.25	-0.006195	± 2.5	PASS
		VN	10	-14.05	-0.016575	± 2.5	PASS
		VN	20	-2.00	-0.002363	± 2.5	PASS
		VN	30	-4.53	-0.005351	± 2.5	PASS
		VN	40	-9.93	-0.011714	± 2.5	PASS
		VN	50	-6.09	-0.007191	± 2.5	PASS
16QAM	LCH	VN	-30	-5.31	-0.006429	± 2.5	PASS
		VN	-20	-2.47	-0.002998	± 2.5	PASS
		VN	-10	-5.31	-0.006429	± 2.5	PASS
		VN	0	-8.17	-0.009895	± 2.5	PASS
		VN	10	-3.32	-0.004020	± 2.5	PASS
		VN	20	-1.40	-0.001698	± 2.5	PASS
		VN	30	-0.36	-0.000433	± 2.5	PASS
		VN	40	-5.72	-0.006932	± 2.5	PASS
		VN	50	-5.92	-0.007174	± 2.5	PASS
	MCH	VN	-30	-9.40	-0.011235	± 2.5	PASS
		VN	-20	-3.23	-0.003865	± 2.5	PASS
		VN	-10	2.60	0.003112	± 2.5	PASS
		VN	0	-7.61	-0.009098	± 2.5	PASS
		VN	10	-8.45	-0.010107	± 2.5	PASS
		VN	20	-10.13	-0.012108	± 2.5	PASS
		VN	30	0.73	0.000872	± 2.5	PASS
		VN	40	-8.43	-0.010073	± 2.5	PASS
		VN	50	-7.27	-0.008687	± 2.5	PASS
	HCH	VN	-30	-10.43	-0.012305	± 2.5	PASS
		VN	-20	-12.97	-0.015309	± 2.5	PASS
		VN	-10	0.00	0.000000	± 2.5	PASS
		VN	0	-7.22	-0.008524	± 2.5	PASS
		VN	10	-2.02	-0.002380	± 2.5	PASS
		VN	20	-14.53	-0.017149	± 2.5	PASS
		VN	30	-1.70	-0.002009	± 2.5	PASS
		VN	40	-0.94	-0.001114	± 2.5	PASS
		VN	50	-6.04	-0.007123	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.86	-0.001038	± 2.5	PASS
		VN	TN	-6.55	-0.007927	± 2.5	PASS
		VH	TN	-4.15	-0.005019	± 2.5	PASS
	MCH	VL	TN	-5.41	-0.006464	± 2.5	PASS
		VN	TN	-8.21	-0.009816	± 2.5	PASS
		VH	TN	-8.68	-0.010380	± 2.5	PASS
	HCH	VL	TN	-8.54	-0.010089	± 2.5	PASS

		VN	TN	-9.26	-0.010934	± 2.5	PASS
		VH	TN	-2.03	-0.002400	± 2.5	PASS
16QAM	LCH	VL	TN	-1.19	-0.001437	± 2.5	PASS
		VN	TN	-0.41	-0.000502	± 2.5	PASS
		VH	TN	-6.68	-0.008083	± 2.5	PASS
	MCH	VL	TN	-3.33	-0.003985	± 2.5	PASS
		VN	TN	-2.10	-0.002514	± 2.5	PASS
		VH	TN	-3.28	-0.003916	± 2.5	PASS
	HCH	VL	TN	-3.73	-0.004411	± 2.5	PASS
		VN	TN	-6.27	-0.007402	± 2.5	PASS
		VH	TN	-7.77	-0.009176	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-6.47	-0.007823	± 2.5	PASS
		VN	-20	-4.39	-0.005314	± 2.5	PASS
		VN	-10	-7.48	-0.009052	± 2.5	PASS
		VN	0	-11.04	-0.013362	± 2.5	PASS
		VN	10	-14.31	-0.017308	± 2.5	PASS
		VN	20	-4.66	-0.005642	± 2.5	PASS
		VN	30	-1.46	-0.001765	± 2.5	PASS
		VN	40	0.89	0.001073	± 2.5	PASS
		VN	50	-8.61	-0.010419	± 2.5	PASS
	MCH	VN	-30	-9.96	-0.011902	± 2.5	PASS
		VN	-20	-1.62	-0.001932	± 2.5	PASS
		VN	-10	-10.23	-0.012227	± 2.5	PASS
		VN	0	-6.69	-0.008003	± 2.5	PASS
		VN	10	5.49	0.006567	± 2.5	PASS
		VN	20	-2.23	-0.002668	± 2.5	PASS
		VN	30	-9.31	-0.011133	± 2.5	PASS
		VN	40	-4.51	-0.005387	± 2.5	PASS
		VN	50	-7.51	-0.008978	± 2.5	PASS
	HCH	VN	-30	-8.90	-0.010511	± 2.5	PASS
		VN	-20	-6.64	-0.007841	± 2.5	PASS
		VN	-10	-6.69	-0.007909	± 2.5	PASS
		VN	0	-6.41	-0.007571	± 2.5	PASS
		VN	10	-6.95	-0.008213	± 2.5	PASS
		VN	20	-3.36	-0.003971	± 2.5	PASS
		VN	30	-1.86	-0.002197	± 2.5	PASS
		VN	40	-8.03	-0.009480	± 2.5	PASS
		VN	50	-3.25	-0.003836	± 2.5	PASS
16QAM	LCH	VN	-30	-3.73	-0.004517	± 2.5	PASS
		VN	-20	-7.81	-0.009450	± 2.5	PASS
		VN	-10	-1.37	-0.001662	± 2.5	PASS
		VN	0	-3.99	-0.004829	± 2.5	PASS
		VN	10	-3.25	-0.003929	± 2.5	PASS
		VN	20	-7.91	-0.009571	± 2.5	PASS
		VN	30	-11.73	-0.014193	± 2.5	PASS
		VN	40	-11.60	-0.014037	± 2.5	PASS

		VN	50	-4.36	-0.005279	± 2.5	PASS
	MCH	VN	-30	-8.30	-0.009919	± 2.5	PASS
		VN	-20	-11.92	-0.014245	± 2.5	PASS
		VN	-10	0.24	0.000291	± 2.5	PASS
		VN	0	-8.80	-0.010517	± 2.5	PASS
		VN	10	-4.92	-0.005883	± 2.5	PASS
		VN	20	-6.49	-0.007764	± 2.5	PASS
		VN	30	-11.36	-0.013578	± 2.5	PASS
		VN	40	-8.54	-0.010209	± 2.5	PASS
		VN	50	-7.52	-0.008995	± 2.5	PASS
	HCH	VN	-30	-10.31	-0.012184	± 2.5	PASS
		VN	-20	-8.01	-0.009464	± 2.5	PASS
		VN	-10	-1.66	-0.001960	± 2.5	PASS
		VN	0	-3.16	-0.003735	± 2.5	PASS
		VN	10	-13.32	-0.015733	± 2.5	PASS
		VN	20	-1.16	-0.001369	± 2.5	PASS
		VN	30	-12.52	-0.014787	± 2.5	PASS
		VN	40	-7.44	-0.008788	± 2.5	PASS
		VN	50	-6.18	-0.007300	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-3.79	-0.004573	± 2.5	PASS
		VN	TN	-11.70	-0.014115	± 2.5	PASS
		VH	TN	-6.07	-0.007316	± 2.5	PASS
	MCH	VL	TN	-6.11	-0.007302	± 2.5	PASS
		VN	TN	-5.74	-0.006858	± 2.5	PASS
		VH	TN	-9.71	-0.011612	± 2.5	PASS
	HCH	VL	TN	-2.53	-0.003000	± 2.5	PASS
		VN	TN	-8.51	-0.010085	± 2.5	PASS
		VH	TN	-7.05	-0.008356	± 2.5	PASS
16QAM	LCH	VL	TN	-11.27	-0.013598	± 2.5	PASS
		VN	TN	-6.67	-0.008041	± 2.5	PASS
		VH	TN	-9.27	-0.011182	± 2.5	PASS
	MCH	VL	TN	-6.74	-0.008055	± 2.5	PASS
		VN	TN	-2.09	-0.002497	± 2.5	PASS
		VH	TN	-0.82	-0.000975	± 2.5	PASS
	HCH	VL	TN	-5.58	-0.006610	± 2.5	PASS
		VN	TN	-2.72	-0.003220	± 2.5	PASS
		VH	TN	-7.05	-0.008356	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

QPSK	LCH	VN	-30	-0.87	-0.001053	± 2.5	PASS
		VN	-20	-3.48	-0.004193	± 2.5	PASS
		VN	-10	-2.55	-0.003072	± 2.5	PASS
		VN	0	-10.76	-0.012976	± 2.5	PASS
		VN	10	-7.55	-0.009111	± 2.5	PASS
		VN	20	-5.21	-0.006281	± 2.5	PASS
		VN	30	-8.64	-0.010423	± 2.5	PASS
		VN	40	-7.64	-0.009215	± 2.5	PASS
		VN	50	-3.35	-0.004038	± 2.5	PASS
	MCH	VN	-30	-3.10	-0.003711	± 2.5	PASS
		VN	-20	-2.69	-0.003215	± 2.5	PASS
		VN	-10	-2.80	-0.003352	± 2.5	PASS
		VN	0	-7.71	-0.009218	± 2.5	PASS
		VN	10	-8.37	-0.010004	± 2.5	PASS
		VN	20	0.24	0.000291	± 2.5	PASS
		VN	30	-5.69	-0.006806	± 2.5	PASS
		VN	40	-1.22	-0.001454	± 2.5	PASS
		VN	50	-5.24	-0.006259	± 2.5	PASS
	HCH	VN	-30	-10.73	-0.012712	± 2.5	PASS
		VN	-20	-4.15	-0.004915	± 2.5	PASS
		VN	-10	-8.50	-0.010068	± 2.5	PASS
		VN	0	-7.00	-0.008288	± 2.5	PASS
		VN	10	-6.02	-0.007136	± 2.5	PASS
		VN	20	-0.43	-0.000508	± 2.5	PASS
		VN	30	-9.94	-0.011780	± 2.5	PASS
		VN	40	-5.01	-0.005932	± 2.5	PASS
		VN	50	-5.71	-0.006763	± 2.5	PASS
16QAM	LCH	VN	-30	-5.82	-0.007023	± 2.5	PASS
		VN	-20	-4.06	-0.004901	± 2.5	PASS
		VN	-10	-11.32	-0.013649	± 2.5	PASS
		VN	0	-7.17	-0.008645	± 2.5	PASS
		VN	10	-0.93	-0.001122	± 2.5	PASS
		VN	20	-7.85	-0.009473	± 2.5	PASS
		VN	30	-2.05	-0.002468	± 2.5	PASS
		VN	40	-3.46	-0.004176	± 2.5	PASS
		VN	50	-12.53	-0.015116	± 2.5	PASS
	MCH	VN	-30	-1.65	-0.001967	± 2.5	PASS
		VN	-20	-3.45	-0.004121	± 2.5	PASS
		VN	-10	-4.99	-0.005968	± 2.5	PASS
		VN	0	-6.77	-0.008089	± 2.5	PASS
		VN	10	-5.34	-0.006379	± 2.5	PASS
		VN	20	-7.05	-0.008431	± 2.5	PASS
		VN	30	-13.58	-0.016229	± 2.5	PASS
		VN	40	-9.86	-0.011783	± 2.5	PASS
		VN	50	-5.01	-0.005985	± 2.5	PASS
	HCH	VN	-30	0.24	0.000288	± 2.5	PASS
		VN	-20	-2.09	-0.002475	± 2.5	PASS
		VN	-10	-1.32	-0.001559	± 2.5	PASS
		VN	0	-4.88	-0.005780	± 2.5	PASS

		VN	10	0.21	0.000254	± 2.5	PASS
		VN	20	-3.46	-0.004102	± 2.5	PASS
		VN	30	-5.22	-0.006186	± 2.5	PASS
		VN	40	-4.43	-0.005254	± 2.5	PASS
		VN	50	0.63	0.000746	± 2.5	PASS

Appendix G) Field strength of spurious radiation

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
30MHz-1GHz	Peak	120kHz	300kHz	Peak
Above 1GHz	Peak	1MHz	3MHz	Peak

Measurement Procedure:

1. Scan up to 10th harmonic, find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Test procedure as below:

1) The EUT was powered ON and placed on a 1.5m hight table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
7) The output power into the substitution antenna was then measured.
8) Steps 6) and 7)were repeated with both antennas polarized.
9) Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)

EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)

EIRP=ERP+2.15dB

where:

Pg is the generator output power into the substitution antenna.

10) Test the EUT in the lowest channel, the middle channel the Highest channel

	11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode,And found the X axis positioning which it is worse case. 12) Repeat above procedures until all frequencies measured was complete.
Limit:	Attenuated at least 43+10log(P)

Test Data:

QPSK

Mode:	LTE Traffic		
Band:	5	Channel:	20407
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	138.8558	150	226	-38.77	-13.00	25.77	Pass	Horizontal
2	181.7383	150	182	-34.71	-13.00	21.71	Pass	Horizontal
3	209.2919	150	152	-36.77	-13.00	23.77	Pass	Horizontal
4	264.5929	150	226	-36.43	-13.00	23.43	Pass	Horizontal
5	304.5649	150	328	-36.42	-13.00	23.42	Pass	Horizontal
6	357.5375	150	182	-43.61	-13.00	30.61	Pass	Horizontal
7	1649.4000	150	328	-44.90	-13.00	31.90	Pass	Horizontal
8	2474.1000	150	152	-46.23	-13.00	33.23	Pass	Horizontal
9	3298.8000	150	325	-39.18	-13.00	26.18	Pass	Horizontal
10	5138.3569	150	109	-49.38	-13.00	36.38	Pass	Horizontal
11	8107.0054	150	38	-44.79	-13.00	31.79	Pass	Horizontal
12	14958.5979	150	325	-40.13	-13.00	27.13	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20407
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	94.6149	150	191	-49.96	-13.00	36.96	Pass	Vertical
2	140.0200	150	191	-35.93	-13.00	22.93	Pass	Vertical
3	178.0516	150	301	-39.32	-13.00	26.32	Pass	Vertical
4	202.3065	150	191	-39.32	-13.00	26.32	Pass	Vertical
5	269.4439	150	332	-43.78	-13.00	30.78	Pass	Vertical
6	307.0874	150	301	-44.25	-13.00	31.25	Pass	Vertical
7	1649.4000	150	301	-36.70	-13.00	23.70	Pass	Vertical
8	2474.1000	150	301	-38.70	-13.00	25.70	Pass	Vertical
9	3298.8000	150	360	-41.65	-13.00	28.65	Pass	Vertical
10	4922.3461	150	93	-48.82	-13.00	35.82	Pass	Vertical
11	8937.2969	150	253	-44.20	-13.00	31.20	Pass	Vertical
12	14402.8201	150	360	-40.12	-13.00	27.12	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20415
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	134.9750	150	123	-36.36	-13.00	23.36	Pass	Horizontal
2	183.4847	150	18	-37.49	-13.00	24.49	Pass	Horizontal
3	208.3217	150	173	-39.22	-13.00	26.22	Pass	Horizontal
4	265.5631	150	150	-37.49	-13.00	24.49	Pass	Horizontal
5	303.5947	150	2	-37.95	-13.00	24.95	Pass	Horizontal
6	360.4481	150	193	-43.47	-13.00	30.47	Pass	Horizontal
7	1651.0000	150	2	-40.50	-13.00	27.50	Pass	Horizontal
8	2476.5000	150	2	-46.60	-13.00	33.60	Pass	Horizontal
9	3302.0000	150	272	-43.34	-13.00	30.34	Pass	Horizontal
10	5044.6022	150	191	-48.86	-13.00	35.86	Pass	Horizontal
11	7631.4816	150	36	-46.09	-13.00	33.09	Pass	Horizontal
12	14402.0701	150	272	-39.91	-13.00	26.91	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20415
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.1526	150	262	-44.74	-13.00	31.74	Pass	Vertical
2	121.7804	150	200	-43.22	-13.00	30.22	Pass	Vertical
3	142.3485	150	178	-41.16	-13.00	28.16	Pass	Vertical
4	183.4847	150	8	-39.69	-13.00	26.69	Pass	Vertical
5	262.4585	150	178	-43.65	-13.00	30.65	Pass	Vertical
6	304.7590	150	262	-44.08	-13.00	31.08	Pass	Vertical
7	1651.0000	150	353	-40.94	-13.00	27.94	Pass	Vertical
8	2476.5000	150	307	-45.39	-13.00	32.39	Pass	Vertical
9	3302.0000	150	218	-52.26	-13.00	39.26	Pass	Vertical
10	4926.8463	150	346	-49.89	-13.00	36.89	Pass	Vertical
11	8117.5059	150	47	-44.89	-13.00	31.89	Pass	Vertical
12	15053.1027	150	269	-40.09	-13.00	27.09	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20425
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	141.7664	150	280	-38.54	-13.00	25.54	Pass	Horizontal
2	183.0966	150	171	-39.60	-13.00	26.60	Pass	Horizontal
3	207.3515	150	150	-38.56	-13.00	25.56	Pass	Horizontal
4	269.2499	150	132	-34.10	-13.00	21.10	Pass	Horizontal
5	304.5649	150	171	-34.43	-13.00	21.43	Pass	Horizontal
6	360.4481	150	171	-37.79	-13.00	24.79	Pass	Horizontal
7	1653.0000	150	1	-41.37	-13.00	28.37	Pass	Horizontal
8	2479.5000	150	214	-46.78	-13.00	33.78	Pass	Horizontal
9	3306.0000	150	18	-49.75	-13.00	36.75	Pass	Horizontal
10	5054.3527	150	232	-49.47	-13.00	36.47	Pass	Horizontal
11	9738.3369	150	232	-44.11	-13.00	31.11	Pass	Horizontal
12	14873.0937	150	274	-40.75	-13.00	27.75	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20425
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	184	-47.96	-13.00	34.96	Pass	Vertical
2	136.1392	150	184	-40.08	-13.00	27.08	Pass	Vertical
3	183.6787	150	229	-39.76	-13.00	26.76	Pass	Vertical
4	263.6227	150	184	-43.84	-13.00	30.84	Pass	Vertical
5	305.3411	150	55	-42.97	-13.00	29.97	Pass	Vertical
6	359.2839	150	55	-47.67	-13.00	34.67	Pass	Vertical
7	1653.0000	150	0	-43.70	-13.00	30.70	Pass	Vertical
8	2479.5000	150	0	-46.44	-13.00	33.44	Pass	Vertical
9	3306.0000	150	232	-48.33	-13.00	35.33	Pass	Vertical
10	5110.6055	150	308	-48.87	-13.00	35.87	Pass	Vertical
11	9639.3320	150	118	-43.72	-13.00	30.72	Pass	Vertical
12	14112.5556	150	360	-40.26	-13.00	27.26	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20450
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.4379	150	268	-38.87	-13.00	25.87	Pass	Horizontal
2	175.7231	150	180	-35.44	-13.00	22.44	Pass	Horizontal
3	208.5157	150	180	-39.20	-13.00	26.20	Pass	Horizontal
4	265.7572	150	268	-37.20	-13.00	24.20	Pass	Horizontal
5	305.7291	150	353	-38.08	-13.00	25.08	Pass	Horizontal
6	361.8064	150	180	-42.94	-13.00	29.94	Pass	Horizontal
7	1658.0000	150	180	-43.82	-13.00	30.82	Pass	Horizontal
8	2487.0000	150	143	-45.65	-13.00	32.65	Pass	Horizontal
9	3316.0000	150	164	-49.58	-13.00	36.58	Pass	Horizontal
10	5055.1028	150	39	-49.07	-13.00	36.07	Pass	Horizontal
11	8107.7554	150	164	-44.75	-13.00	31.75	Pass	Horizontal
12	15038.1019	150	283	-40.27	-13.00	27.27	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20450
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.3613	150	313	-49.09	-13.00	36.09	Pass	Vertical
2	138.6617	150	106	-43.40	-13.00	30.40	Pass	Vertical
3	182.7085	150	313	-36.02	-13.00	23.02	Pass	Vertical
4	202.1124	150	246	-41.52	-13.00	28.52	Pass	Vertical
5	264.7870	150	313	-45.25	-13.00	32.25	Pass	Vertical
6	304.3709	150	313	-45.71	-13.00	32.71	Pass	Vertical
7	1658.0000	150	57	-48.86	-13.00	35.86	Pass	Vertical
8	2487.0000	150	173	-47.25	-13.00	34.25	Pass	Vertical
9	3316.0000	150	91	-48.15	-13.00	35.15	Pass	Vertical
10	5139.1070	150	270	-49.03	-13.00	36.03	Pass	Vertical
11	8812.7906	150	91	-44.08	-13.00	31.08	Pass	Vertical
12	14268.5634	150	91	-41.21	-13.00	28.21	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20643
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.2438	150	258	-40.41	-13.00	27.41	Pass	Horizontal
2	176.6933	150	258	-35.85	-13.00	22.85	Pass	Horizontal
3	206.9634	150	214	-38.83	-13.00	25.83	Pass	Horizontal
4	264.7870	150	214	-36.41	-13.00	23.41	Pass	Horizontal
5	304.1768	150	214	-37.25	-13.00	24.25	Pass	Horizontal
6	358.8958	150	125	-42.72	-13.00	29.72	Pass	Horizontal
7	1696.6000	150	316	-48.45	-13.00	35.45	Pass	Horizontal
8	2544.9000	150	79	-46.39	-13.00	33.39	Pass	Horizontal
9	3393.2000	150	360	-48.14	-13.00	35.14	Pass	Horizontal
10	5083.6042	150	225	-49.33	-13.00	36.33	Pass	Horizontal
11	9547.0774	150	33	-43.56	-13.00	30.56	Pass	Horizontal
12	14580.5790	150	262	-40.56	-13.00	27.56	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20643
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.9136	150	330	-46.02	-13.00	33.02	Pass	Vertical
2	134.9750	150	287	-38.88	-13.00	25.88	Pass	Vertical
3	182.7085	150	2	-39.62	-13.00	26.62	Pass	Vertical
4	207.9336	150	220	-44.69	-13.00	31.69	Pass	Vertical
5	252.7566	150	75	-45.62	-13.00	32.62	Pass	Vertical
6	303.9828	150	30	-45.97	-13.00	32.97	Pass	Vertical
7	1696.6000	150	143	-49.77	-13.00	36.77	Pass	Vertical
8	2544.9000	150	118	-47.16	-13.00	34.16	Pass	Vertical
9	3393.2000	150	197	-45.37	-13.00	32.37	Pass	Vertical
10	6361.6681	150	281	-49.23	-13.00	36.23	Pass	Vertical
11	10075.8538	150	359	-43.57	-13.00	30.57	Pass	Vertical
12	14327.0664	150	161	-40.59	-13.00	27.59	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20635
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	85	-45.73	-13.00	32.73	Pass	Horizontal
2	138.4677	150	150	-39.14	-13.00	26.14	Pass	Horizontal
3	177.0814	150	174	-37.01	-13.00	24.01	Pass	Horizontal
4	239.5619	150	46	-40.28	-13.00	27.28	Pass	Horizontal
5	265.3691	150	150	-39.31	-13.00	26.31	Pass	Horizontal
6	303.5947	150	224	-39.81	-13.00	26.81	Pass	Horizontal
7	1695.0000	150	198	-44.63	-13.00	31.63	Pass	Horizontal
8	2542.5000	150	293	-47.12	-13.00	34.12	Pass	Horizontal
9	3390.0000	150	244	-46.42	-13.00	33.42	Pass	Horizontal
10	6445.6723	150	354	-48.70	-13.00	35.70	Pass	Horizontal
11	9324.3162	150	139	-43.86	-13.00	30.86	Pass	Horizontal
12	14424.5712	150	354	-40.05	-13.00	27.05	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20635
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	111.3023	150	117	-47.73	-13.00	34.73	Pass	Vertical
2	137.8856	150	203	-39.85	-13.00	26.85	Pass	Vertical
3	180.3801	150	321	-37.12	-13.00	24.12	Pass	Vertical
4	202.1124	150	226	-38.94	-13.00	25.94	Pass	Vertical
5	259.5479	150	203	-43.38	-13.00	30.38	Pass	Vertical
6	306.5053	150	321	-44.76	-13.00	31.76	Pass	Vertical
7	1695.0000	150	297	-47.32	-13.00	34.32	Pass	Vertical
8	2542.5000	150	117	-45.61	-13.00	32.61	Pass	Vertical
9	3390.0000	150	98	-44.65	-13.00	31.65	Pass	Vertical
10	4990.5995	150	306	-49.66	-13.00	36.66	Pass	Vertical
11	7687.7344	150	273	-45.73	-13.00	32.73	Pass	Vertical
12	14919.5960	150	306	-40.82	-13.00	27.82	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20625
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	98.1076	150	163	-41.22	-13.00	28.22	Pass	Horizontal
2	140.2140	150	101	-35.69	-13.00	22.69	Pass	Horizontal
3	180.7682	150	200	-33.89	-13.00	20.89	Pass	Horizontal
4	264.0108	150	101	-33.29	-13.00	20.29	Pass	Horizontal
5	303.4007	150	143	-35.04	-13.00	22.04	Pass	Horizontal
6	360.4481	150	163	-37.60	-13.00	24.60	Pass	Horizontal
7	1693.0000	150	0	-50.07	-13.00	37.07	Pass	Horizontal
8	2539.5000	150	101	-45.51	-13.00	32.51	Pass	Horizontal
9	3386.0000	150	341	-48.08	-13.00	35.08	Pass	Horizontal
10	6366.9183	150	231	-48.81	-13.00	35.81	Pass	Horizontal
11	9297.3149	150	341	-43.89	-13.00	30.89	Pass	Horizontal
12	14344.3172	150	294	-40.01	-13.00	27.01	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20625
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	121.7804	150	147	-43.98	-13.00	30.98	Pass	Vertical
2	138.0796	150	125	-42.09	-13.00	29.09	Pass	Vertical
3	177.6635	150	125	-38.56	-13.00	25.56	Pass	Vertical
4	246.9354	150	125	-45.50	-13.00	32.50	Pass	Vertical
5	303.4007	150	68	-44.63	-13.00	31.63	Pass	Vertical
6	358.3137	150	68	-47.79	-13.00	34.79	Pass	Vertical
7	1693.0000	150	1	-51.24	-13.00	38.24	Pass	Vertical
8	2539.5000	150	283	-46.47	-13.00	33.47	Pass	Vertical
9	3386.0000	150	174	-46.81	-13.00	33.81	Pass	Vertical
10	6303.1652	150	138	-47.94	-13.00	34.94	Pass	Vertical
11	9656.5828	150	99	-44.02	-13.00	31.02	Pass	Vertical
12	13682.0341	150	245	-40.61	-13.00	27.61	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20600
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	138.6617	150	268	-38.61	-13.00	25.61	Pass	Horizontal
2	177.8576	150	174	-33.17	-13.00	20.17	Pass	Horizontal
3	208.1276	150	174	-36.71	-13.00	23.71	Pass	Horizontal
4	265.1750	150	100	-36.08	-13.00	23.08	Pass	Horizontal
5	304.9530	150	195	-36.40	-13.00	23.40	Pass	Horizontal
6	361.4183	150	195	-40.58	-13.00	27.58	Pass	Horizontal
7	1688.0000	150	318	-44.51	-13.00	31.51	Pass	Horizontal
8	2532.0000	150	288	-47.81	-13.00	34.81	Pass	Horizontal
9	3376.0000	150	205	-48.72	-13.00	35.72	Pass	Horizontal
10	5137.6069	150	353	-48.98	-13.00	35.98	Pass	Horizontal
11	9649.0825	150	47	-43.93	-13.00	30.93	Pass	Horizontal
12	14387.8194	150	94	-40.65	-13.00	27.65	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20600
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.9136	150	231	-41.69	-13.00	28.69	Pass	Vertical
2	139.0498	150	154	-41.36	-13.00	28.36	Pass	Vertical
3	184.0668	150	1	-39.44	-13.00	26.44	Pass	Vertical
4	202.5005	150	210	-43.20	-13.00	30.20	Pass	Vertical
5	265.1750	150	210	-46.46	-13.00	33.46	Pass	Vertical
6	303.4007	150	1	-46.57	-13.00	33.57	Pass	Vertical
7	1688.0000	150	51	-49.49	-13.00	36.49	Pass	Vertical
8	2532.0000	150	128	-45.79	-13.00	32.79	Pass	Vertical
9	3376.0000	150	52	-49.09	-13.00	36.09	Pass	Vertical
10	4939.5970	150	134	-49.10	-13.00	36.10	Pass	Vertical
11	9496.0748	150	261	-43.52	-13.00	30.52	Pass	Vertical
12	14222.8111	150	19	-40.19	-13.00	27.19	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.5851	150	136	-37.36	-13.00	24.36	Pass	Horizontal
2	141.7664	150	240	-37.55	-13.00	24.55	Pass	Horizontal
3	181.7383	150	203	-37.97	-13.00	24.97	Pass	Horizontal
4	263.6227	150	94	-34.27	-13.00	21.27	Pass	Horizontal
5	301.2663	150	136	-35.66	-13.00	22.66	Pass	Horizontal
6	360.8362	150	168	-37.73	-13.00	24.73	Pass	Horizontal
7	1673.0000	150	336	-35.70	-13.00	22.70	Pass	Horizontal
8	2509.5000	150	203	-41.84	-13.00	28.84	Pass	Horizontal
9	3346.0000	150	360	-52.66	-13.00	39.66	Pass	Horizontal
10	5542.6271	150	30	-49.44	-13.00	36.44	Pass	Horizontal
11	8630.5315	150	360	-44.82	-13.00	31.82	Pass	Horizontal
12	14913.5957	150	360	-40.36	-13.00	27.36	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.3911	150	164	-43.69	-13.00	30.69	Pass	Vertical
2	139.4379	150	142	-39.56	-13.00	26.56	Pass	Vertical
3	183.0966	150	164	-38.20	-13.00	25.20	Pass	Vertical
4	264.0108	150	208	-44.11	-13.00	31.11	Pass	Vertical
5	307.4755	150	288	-44.41	-13.00	31.41	Pass	Vertical
6	359.6719	150	60	-48.72	-13.00	35.72	Pass	Vertical
7	1673.0000	150	288	-39.09	-13.00	26.09	Pass	Vertical
8	2509.5000	150	288	-42.61	-13.00	29.61	Pass	Vertical
9	3346.0000	150	34	-52.38	-13.00	39.38	Pass	Vertical
10	6333.9167	150	360	-48.54	-13.00	35.54	Pass	Vertical
11	11141.6571	150	331	-43.46	-13.00	30.46	Pass	Vertical
12	14315.8158	150	331	-40.14	-13.00	27.14	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	108	-45.50	-13.00	32.50	Pass	Horizontal
2	140.4081	150	130	-34.25	-13.00	21.25	Pass	Horizontal
3	183.2907	150	191	-34.76	-13.00	21.76	Pass	Horizontal
4	246.5473	150	191	-37.68	-13.00	24.68	Pass	Horizontal
5	303.2066	150	356	-38.27	-13.00	25.27	Pass	Horizontal
6	360.8362	150	151	-43.01	-13.00	30.01	Pass	Horizontal
7	1673.0000	150	292	-41.63	-13.00	28.63	Pass	Horizontal
8	2509.5000	150	108	-45.54	-13.00	32.54	Pass	Horizontal
9	3346.0000	150	304	-43.98	-13.00	30.98	Pass	Horizontal
10	5439.1220	150	145	-49.48	-13.00	36.48	Pass	Horizontal
11	9643.0822	150	74	-43.16	-13.00	30.16	Pass	Horizontal
12	15016.3508	150	27	-40.46	-13.00	27.46	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	108.7798	150	99	-45.82	-13.00	32.82	Pass	Vertical
2	139.4379	150	146	-38.34	-13.00	25.34	Pass	Vertical
3	176.1112	150	146	-40.20	-13.00	27.20	Pass	Vertical
4	202.8886	150	234	-41.19	-13.00	28.19	Pass	Vertical
5	264.3989	150	1	-44.66	-13.00	31.66	Pass	Vertical
6	304.3709	150	50	-44.12	-13.00	31.12	Pass	Vertical
7	1673.0000	150	341	-43.36	-13.00	30.36	Pass	Vertical
8	2509.5000	150	323	-47.15	-13.00	34.15	Pass	Vertical
9	3346.0000	150	3	-47.40	-13.00	34.40	Pass	Vertical
10	5007.1004	150	359	-49.03	-13.00	36.03	Pass	Vertical
11	8115.2558	150	29	-44.04	-13.00	31.04	Pass	Vertical
12	14459.0730	150	62	-40.99	-13.00	27.99	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.4379	150	162	-38.48	-13.00	25.48	Pass	Horizontal
2	177.8576	150	195	-31.61	-13.00	18.61	Pass	Horizontal
3	207.9336	150	162	-36.05	-13.00	23.05	Pass	Horizontal
4	267.5035	150	288	-37.46	-13.00	24.46	Pass	Horizontal
5	303.7888	150	288	-35.95	-13.00	22.95	Pass	Horizontal
6	360.8362	150	162	-40.24	-13.00	27.24	Pass	Horizontal
7	1673.0000	150	288	-42.35	-13.00	29.35	Pass	Horizontal
8	2509.5000	150	288	-47.31	-13.00	34.31	Pass	Horizontal
9	3346.0000	150	254	-47.93	-13.00	34.93	Pass	Horizontal
10	5114.3557	150	254	-49.28	-13.00	36.28	Pass	Horizontal
11	10583.6292	150	355	-43.72	-13.00	30.72	Pass	Horizontal
12	14970.5985	150	23	-40.54	-13.00	27.54	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.3911	150	190	-42.02	-13.00	29.02	Pass	Vertical
2	139.0498	150	190	-39.16	-13.00	26.16	Pass	Vertical
3	183.2907	150	190	-37.46	-13.00	24.46	Pass	Vertical
4	202.6945	150	190	-38.57	-13.00	25.57	Pass	Vertical
5	258.7718	150	190	-44.87	-13.00	31.87	Pass	Vertical
6	303.2066	150	190	-44.96	-13.00	31.96	Pass	Vertical
7	1673.0000	150	311	-43.98	-13.00	30.98	Pass	Vertical
8	2509.5000	150	311	-48.67	-13.00	35.67	Pass	Vertical
9	3346.0000	150	360	-46.35	-13.00	33.35	Pass	Vertical
10	5011.6006	150	360	-48.94	-13.00	35.94	Pass	Vertical
11	9631.8316	150	360	-43.58	-13.00	30.58	Pass	Vertical
12	14405.0703	150	95	-40.60	-13.00	27.60	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	134.9750	150	148	-35.96	-13.00	22.96	Pass	Horizontal
2	183.8728	150	357	-38.10	-13.00	25.10	Pass	Horizontal
3	207.9336	150	172	-39.18	-13.00	26.18	Pass	Horizontal
4	263.2346	150	115	-35.48	-13.00	22.48	Pass	Horizontal
5	302.4305	150	148	-36.22	-13.00	23.22	Pass	Horizontal
6	360.4481	150	195	-38.70	-13.00	25.70	Pass	Horizontal
7	1673.0000	150	315	-41.44	-13.00	28.44	Pass	Horizontal
8	2509.5000	150	195	-47.41	-13.00	34.41	Pass	Horizontal
9	3346.0000	150	192	-48.56	-13.00	35.56	Pass	Horizontal
10	5229.8615	150	75	-49.11	-13.00	36.11	Pass	Horizontal
11	8574.2787	150	360	-43.47	-13.00	30.47	Pass	Horizontal
12	14492.8246	150	114	-40.78	-13.00	27.78	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.1970	150	239	-47.00	-13.00	34.00	Pass	Vertical
2	127.0194	150	179	-42.59	-13.00	29.59	Pass	Vertical
3	139.2438	150	160	-39.21	-13.00	26.21	Pass	Vertical
4	177.2755	150	123	-39.20	-13.00	26.20	Pass	Vertical
5	264.7870	150	1	-44.89	-13.00	31.89	Pass	Vertical
6	303.7888	150	54	-44.33	-13.00	31.33	Pass	Vertical
7	1673.0000	150	1	-46.12	-13.00	33.12	Pass	Vertical
8	2509.5000	150	85	-45.99	-13.00	32.99	Pass	Vertical
9	3346.0000	150	238	-46.25	-13.00	33.25	Pass	Vertical
10	6423.1712	150	320	-48.71	-13.00	35.71	Pass	Vertical
11	9358.0679	150	57	-43.74	-13.00	30.74	Pass	Vertical
12	14240.0620	150	320	-39.91	-13.00	26.91	Pass	Vertical

16QAM

Mode:	LTE Traffic		
Band:	5	Channel:	20407
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	203	-62.08	-13.00	49.08	Pass	Horizontal
2	95.5851	150	136	-37.36	-13.00	24.36	Pass	Horizontal
3	141.7664	150	240	-37.55	-13.00	24.55	Pass	Horizontal
4	233.7407	150	64	-36.12	-13.00	23.12	Pass	Horizontal
5	263.6227	150	94	-34.27	-13.00	21.27	Pass	Horizontal
6	621.4303	150	240	-51.73	-13.00	38.73	Pass	Horizontal
7	1649.4000	150	240	-35.47	-13.00	22.47	Pass	Horizontal
8	2474.1000	150	203	-41.66	-13.00	28.66	Pass	Horizontal
9	3000.0000	150	199	-52.68	-13.00	39.68	Pass	Horizontal
10	4995.8498	150	30	-49.25	-13.00	36.25	Pass	Horizontal
11	9308.5654	150	158	-44.61	-13.00	31.61	Pass	Horizontal
12	14913.5957	150	360	-40.36	-13.00	27.36	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20407
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.8364	150	208	-61.43	-13.00	48.43	Pass	Vertical
2	95.3911	150	164	-43.69	-13.00	30.69	Pass	Vertical
3	183.0966	150	164	-38.20	-13.00	25.20	Pass	Vertical
4	264.0108	150	208	-44.11	-13.00	31.11	Pass	Vertical
5	359.6719	150	60	-48.72	-13.00	35.72	Pass	Vertical
6	626.6693	150	233	-51.65	-13.00	38.65	Pass	Vertical
7	1649.4000	150	288	-38.95	-13.00	25.95	Pass	Vertical
8	2474.1000	150	288	-41.68	-13.00	28.68	Pass	Vertical
9	3586.5293	150	331	-50.09	-13.00	37.09	Pass	Vertical
10	6000.1500	150	331	-50.24	-13.00	37.24	Pass	Vertical
11	10177.8589	150	331	-44.79	-13.00	31.79	Pass	Vertical
12	14315.8158	150	331	-40.14	-13.00	27.14	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20415
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	203	-62.08	-13.00	49.08	Pass	Horizontal
2	95.5851	150	136	-37.36	-13.00	24.36	Pass	Horizontal
3	181.7383	150	203	-37.97	-13.00	24.97	Pass	Horizontal
4	263.6227	150	94	-34.27	-13.00	21.27	Pass	Horizontal
5	360.8362	150	168	-37.73	-13.00	24.73	Pass	Horizontal
6	621.4303	150	240	-51.73	-13.00	38.73	Pass	Horizontal
7	1651.0000	150	240	-35.47	-13.00	22.47	Pass	Horizontal
8	2476.5000	150	203	-41.66	-13.00	28.66	Pass	Horizontal
9	3812.2906	150	158	-50.49	-13.00	37.49	Pass	Horizontal
10	6401.4201	150	158	-49.15	-13.00	36.15	Pass	Horizontal
11	9671.5836	150	30	-43.46	-13.00	30.46	Pass	Horizontal
12	13655.7828	150	360	-41.16	-13.00	28.16	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20415
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.8364	150	208	-61.43	-13.00	48.43	Pass	Vertical
2	95.3911	150	164	-43.69	-13.00	30.69	Pass	Vertical
3	139.4379	150	142	-39.56	-13.00	26.56	Pass	Vertical
4	183.0966	150	164	-38.20	-13.00	25.20	Pass	Vertical
5	307.4755	150	288	-44.41	-13.00	31.41	Pass	Vertical
6	626.6693	150	233	-51.65	-13.00	38.65	Pass	Vertical
7	1651.0000	150	288	-38.95	-13.00	25.95	Pass	Vertical
8	2476.5000	150	288	-41.68	-13.00	28.68	Pass	Vertical
9	3586.5293	150	331	-49.59	-13.00	36.59	Pass	Vertical
10	6333.9167	150	360	-47.64	-13.00	34.64	Pass	Vertical
11	10177.8589	150	331	-43.39	-13.00	30.39	Pass	Vertical
12	13639.2820	150	331	-40.08	-13.00	27.08	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20425
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	203	-62.08	-13.00	49.08	Pass	Horizontal
2	95.5851	150	136	-37.36	-13.00	24.36	Pass	Horizontal
3	141.7664	150	240	-37.55	-13.00	24.55	Pass	Horizontal
4	233.7407	150	64	-36.12	-13.00	23.12	Pass	Horizontal
5	307.0874	150	203	-35.97	-13.00	22.97	Pass	Horizontal
6	621.4303	150	240	-51.73	-13.00	38.73	Pass	Horizontal
7	1653.0000	150	240	-40.47	-13.00	27.47	Pass	Horizontal
8	2479.5000	150	203	-41.66	-13.00	28.66	Pass	Horizontal
9	3209.2605	150	360	-48.89	-13.00	35.89	Pass	Horizontal
10	6401.4201	150	158	-49.15	-13.00	36.15	Pass	Horizontal
11	9308.5654	150	158	-44.61	-13.00	31.61	Pass	Horizontal
12	14913.5957	150	360	-40.36	-13.00	27.36	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20425
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.6575	150	142	-58.78	-13.00	45.78	Pass	Vertical
2	83.7488	150	208	-57.32	-13.00	44.32	Pass	Vertical
3	121.7804	150	60	-46.50	-13.00	33.50	Pass	Vertical
4	183.0966	150	164	-38.20	-13.00	25.20	Pass	Vertical
5	307.4755	150	288	-44.41	-13.00	31.41	Pass	Vertical
6	626.6693	150	233	-51.65	-13.00	38.65	Pass	Vertical
7	1653.0000	150	288	-42.95	-13.00	29.95	Pass	Vertical
8	2479.5000	150	288	-42.08	-13.00	29.08	Pass	Vertical
9	3586.5293	150	331	-49.99	-13.00	36.99	Pass	Vertical
10	7152.9576	150	331	-48.56	-13.00	35.56	Pass	Vertical
11	10177.8589	150	331	-44.69	-13.00	31.69	Pass	Vertical
12	14315.8158	150	331	-40.14	-13.00	27.14	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20450
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	191	-70.52	-13.00	57.52	Pass	Horizontal
2	96.7494	150	108	-45.50	-13.00	32.50	Pass	Horizontal
3	140.4081	150	130	-34.25	-13.00	21.25	Pass	Horizontal
4	183.2907	150	191	-34.76	-13.00	21.76	Pass	Horizontal
5	305.5351	150	0	-38.89	-13.00	25.89	Pass	Horizontal
6	624.1468	150	0	-56.21	-13.00	43.21	Pass	Horizontal
7	1658.0000	150	108	-40.75	-13.00	27.75	Pass	Horizontal
8	2487.0000	150	108	-45.30	-13.00	32.30	Pass	Horizontal
9	3316.0000	150	304	-43.98	-13.00	30.98	Pass	Horizontal
10	5073.1037	150	360	-49.69	-13.00	36.69	Pass	Horizontal
11	9643.0822	150	74	-43.16	-13.00	30.16	Pass	Horizontal
12	14423.8212	150	145	-40.76	-13.00	27.76	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20450
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	146	-56.63	-13.00	43.63	Pass	Vertical
2	82.3905	150	13	-54.37	-13.00	41.37	Pass	Vertical
3	139.4379	150	146	-38.34	-13.00	25.34	Pass	Vertical
4	176.1112	150	146	-40.20	-13.00	27.20	Pass	Vertical
5	304.3709	150	50	-44.12	-13.00	31.12	Pass	Vertical
6	460.7662	150	146	-54.95	-13.00	41.95	Pass	Vertical
7	1658.0000	150	298	-42.90	-13.00	29.90	Pass	Vertical
8	2487.0000	150	323	-47.15	-13.00	34.15	Pass	Vertical
9	3316.0000	150	205	-44.81	-13.00	31.81	Pass	Vertical
10	4430.3215	150	278	-47.87	-13.00	34.87	Pass	Vertical
11	8115.2558	150	29	-42.54	-13.00	29.54	Pass	Vertical
12	13710.5355	150	62	-39.51	-13.00	26.51	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	191	-70.52	-13.00	57.52	Pass	Horizontal
2	96.7494	150	108	-45.50	-13.00	32.50	Pass	Horizontal
3	140.4081	150	130	-34.25	-13.00	21.25	Pass	Horizontal
4	183.2907	150	191	-34.76	-13.00	21.76	Pass	Horizontal
5	246.5473	150	191	-37.68	-13.00	24.68	Pass	Horizontal
6	624.1468	150	0	-56.21	-13.00	43.21	Pass	Horizontal
7	1673.0000	150	108	-40.75	-13.00	27.75	Pass	Horizontal
8	2509.5000	150	108	-45.30	-13.00	32.30	Pass	Horizontal
9	3346.0000	150	304	-43.98	-13.00	30.98	Pass	Horizontal
10	7258.7129	150	233	-47.57	-13.00	34.57	Pass	Horizontal
11	9643.0822	150	74	-43.16	-13.00	30.16	Pass	Horizontal
12	13634.7817	150	360	-41.17	-13.00	28.17	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	146	-56.63	-13.00	43.63	Pass	Vertical
2	90.1520	150	298	-54.24	-13.00	41.24	Pass	Vertical
3	139.4379	150	146	-38.34	-13.00	25.34	Pass	Vertical
4	184.0668	150	146	-40.44	-13.00	27.44	Pass	Vertical
5	360.8362	150	77	-47.68	-13.00	34.68	Pass	Vertical
6	627.6395	150	276	-51.82	-13.00	38.82	Pass	Vertical
7	1673.0000	150	298	-42.90	-13.00	29.90	Pass	Vertical
8	2509.5000	150	323	-47.15	-13.00	34.15	Pass	Vertical
9	3346.0000	150	205	-46.31	-13.00	33.31	Pass	Vertical
10	5007.1004	150	359	-51.53	-13.00	38.53	Pass	Vertical
11	9696.3348	150	278	-46.43	-13.00	33.43	Pass	Vertical
12	14459.0730	150	62	-40.99	-13.00	27.99	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	191	-70.52	-13.00	57.52	Pass	Horizontal
2	79.4799	150	0	-59.15	-13.00	46.15	Pass	Horizontal
3	140.4081	150	130	-34.25	-13.00	21.25	Pass	Horizontal
4	183.2907	150	191	-34.76	-13.00	21.76	Pass	Horizontal
5	360.8362	150	151	-43.01	-13.00	30.01	Pass	Horizontal
6	624.1468	150	0	-56.21	-13.00	43.21	Pass	Horizontal
7	1673.0000	150	108	-40.75	-13.00	27.75	Pass	Horizontal
8	2509.5000	150	108	-45.30	-13.00	32.30	Pass	Horizontal
9	3346.0000	150	304	-43.98	-13.00	30.98	Pass	Horizontal
10	5073.1037	150	360	-49.69	-13.00	36.69	Pass	Horizontal
11	9643.0822	150	74	-43.16	-13.00	30.16	Pass	Horizontal
12	11708.6854	150	343	-42.08	-13.00	29.08	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	146	-56.63	-13.00	43.63	Pass	Vertical
2	98.3017	150	298	-48.36	-13.00	35.36	Pass	Vertical
3	139.4379	150	146	-38.34	-13.00	25.34	Pass	Vertical
4	176.1112	150	146	-40.20	-13.00	27.20	Pass	Vertical
5	304.3709	150	50	-44.12	-13.00	31.12	Pass	Vertical
6	627.6395	150	276	-51.82	-13.00	38.82	Pass	Vertical
7	1673.0000	150	298	-42.90	-13.00	29.90	Pass	Vertical
8	2509.5000	150	323	-47.15	-13.00	34.15	Pass	Vertical
9	3346.0000	150	205	-46.31	-13.00	33.31	Pass	Vertical
10	7158.2079	150	162	-49.22	-13.00	36.22	Pass	Vertical
11	11545.1773	150	205	-44.42	-13.00	31.42	Pass	Vertical
12	14459.0730	150	62	-40.99	-13.00	27.99	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	219	-66.86	-13.00	53.86	Pass	Horizontal
2	94.6149	150	162	-45.44	-13.00	32.44	Pass	Horizontal
3	139.4379	150	162	-38.48	-13.00	25.48	Pass	Horizontal
4	177.8576	150	195	-31.61	-13.00	18.61	Pass	Horizontal
5	360.8362	150	162	-40.24	-13.00	27.24	Pass	Horizontal
6	626.4753	150	288	-53.56	-13.00	40.56	Pass	Horizontal
7	1673.0000	150	288	-41.18	-13.00	28.18	Pass	Horizontal
8	2509.5000	150	288	-46.07	-13.00	33.07	Pass	Horizontal
9	3346.0000	150	355	-46.35	-13.00	33.35	Pass	Horizontal
10	5114.3557	150	254	-49.28	-13.00	36.28	Pass	Horizontal
11	8780.5390	150	112	-44.87	-13.00	31.87	Pass	Horizontal
12	14238.5619	150	355	-40.86	-13.00	27.86	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.6423	150	190	-60.18	-13.00	47.18	Pass	Vertical
2	95.3911	150	190	-42.02	-13.00	29.02	Pass	Vertical
3	139.0498	150	190	-39.16	-13.00	26.16	Pass	Vertical
4	183.2907	150	190	-37.46	-13.00	24.46	Pass	Vertical
5	258.7718	150	190	-44.87	-13.00	31.87	Pass	Vertical
6	882.0244	150	190	-46.92	-13.00	33.92	Pass	Vertical
7	1673.0000	150	311	-43.98	-13.00	30.98	Pass	Vertical
8	2509.5000	150	311	-46.96	-13.00	33.96	Pass	Vertical
9	3346.0000	150	360	-45.30	-13.00	32.30	Pass	Vertical
10	5421.1211	150	95	-48.01	-13.00	35.01	Pass	Vertical
11	9631.8316	150	360	-42.28	-13.00	29.28	Pass	Vertical
12	13886.0443	150	205	-39.71	-13.00	26.71	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	55.0310	150	162	-67.83	-13.00	54.83	Pass	Horizontal
2	92.0924	150	162	-50.16	-13.00	37.16	Pass	Horizontal
3	177.8576	150	195	-31.61	-13.00	18.61	Pass	Horizontal
4	303.7888	150	288	-35.95	-13.00	22.95	Pass	Horizontal
5	626.4753	150	288	-53.56	-13.00	40.56	Pass	Horizontal
6	880.4721	150	288	-44.91	-13.00	31.91	Pass	Horizontal
7	1673.0000	150	288	-41.18	-13.00	28.18	Pass	Horizontal
8	2209.5210	150	288	-51.05	-13.00	38.05	Pass	Horizontal
9	2509.5000	150	288	-46.07	-13.00	33.07	Pass	Horizontal
10	3346.0000	150	355	-46.35	-13.00	33.35	Pass	Horizontal
11	5114.3557	150	254	-49.28	-13.00	36.28	Pass	Horizontal
12	11665.1833	150	254	-42.74	-13.00	29.74	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20525
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.6423	150	190	-60.18	-13.00	47.18	Pass	Vertical
2	95.3911	150	190	-42.02	-13.00	29.02	Pass	Vertical
3	139.0498	150	190	-39.16	-13.00	26.16	Pass	Vertical
4	183.2907	150	190	-37.46	-13.00	24.46	Pass	Vertical
5	303.2066	150	190	-44.96	-13.00	31.96	Pass	Vertical
6	882.0244	150	190	-46.92	-13.00	33.92	Pass	Vertical
7	1673.0000	150	311	-43.98	-13.00	30.98	Pass	Vertical
8	2509.5000	150	311	-46.96	-13.00	33.96	Pass	Vertical
9	3346.0000	150	360	-45.30	-13.00	32.30	Pass	Vertical
10	4456.5728	150	240	-48.91	-13.00	35.91	Pass	Vertical
11	9631.8316	150	360	-43.08	-13.00	30.08	Pass	Vertical
12	14405.0703	150	95	-40.60	-13.00	27.60	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20643
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	219	-66.86	-13.00	53.86	Pass	Horizontal
2	94.6149	150	162	-45.44	-13.00	32.44	Pass	Horizontal
3	139.4379	150	162	-38.48	-13.00	25.48	Pass	Horizontal
4	177.8576	150	195	-31.61	-13.00	18.61	Pass	Horizontal
5	303.7888	150	288	-35.95	-13.00	22.95	Pass	Horizontal
6	626.4753	150	288	-53.56	-13.00	40.56	Pass	Horizontal
7	1696.6000	150	288	-41.18	-13.00	28.18	Pass	Horizontal
8	2544.9000	150	288	-46.07	-13.00	33.07	Pass	Horizontal
9	3393.2000	150	355	-46.35	-13.00	33.35	Pass	Horizontal
10	5114.3557	150	254	-49.28	-13.00	36.28	Pass	Horizontal
11	9673.0837	150	254	-43.90	-13.00	30.90	Pass	Horizontal
12	14970.5985	150	23	-40.54	-13.00	27.54	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20643
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.6423	150	190	-60.18	-13.00	47.18	Pass	Vertical
2	95.3911	150	190	-42.02	-13.00	29.02	Pass	Vertical
3	139.0498	150	190	-39.16	-13.00	26.16	Pass	Vertical
4	183.2907	150	190	-37.46	-13.00	24.46	Pass	Vertical
5	303.2066	150	190	-44.96	-13.00	31.96	Pass	Vertical
6	617.5495	150	190	-55.45	-13.00	42.45	Pass	Vertical
7	1696.6000	150	311	-43.98	-13.00	30.98	Pass	Vertical
8	2544.9000	150	311	-46.96	-13.00	33.96	Pass	Vertical
9	3393.2000	150	360	-46.70	-13.00	33.70	Pass	Vertical
10	4456.5728	150	240	-50.81	-13.00	37.81	Pass	Vertical
11	8850.2925	150	360	-45.82	-13.00	32.82	Pass	Vertical
12	14405.0703	150	95	-40.60	-13.00	27.60	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20635
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.8364	150	217	-67.12	-13.00	54.12	Pass	Horizontal
2	96.7494	150	148	-43.64	-13.00	30.64	Pass	Horizontal
3	134.9750	150	148	-35.96	-13.00	22.96	Pass	Horizontal
4	183.8728	150	357	-38.10	-13.00	25.10	Pass	Horizontal
5	263.2346	150	115	-35.48	-13.00	22.48	Pass	Horizontal
6	622.0124	150	269	-51.40	-13.00	38.40	Pass	Horizontal
7	1695.0000	150	315	-41.44	-13.00	28.44	Pass	Horizontal
8	2542.5000	150	217	-46.79	-13.00	33.79	Pass	Horizontal
9	3390.0000	150	192	-46.23	-13.00	33.23	Pass	Horizontal
10	5229.8615	150	75	-49.11	-13.00	36.11	Pass	Horizontal
11	8574.2787	150	360	-43.47	-13.00	30.47	Pass	Horizontal
12	13620.5310	150	35	-41.29	-13.00	28.29	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20635
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	160	-56.06	-13.00	43.06	Pass	Vertical
2	95.1970	150	239	-47.00	-13.00	34.00	Pass	Vertical
3	139.2438	150	160	-39.21	-13.00	26.21	Pass	Vertical
4	184.2609	150	317	-39.23	-13.00	26.23	Pass	Vertical
5	303.7888	150	54	-44.33	-13.00	31.33	Pass	Vertical
6	677.5075	150	85	-51.29	-13.00	38.29	Pass	Vertical
7	1695.0000	150	1	-41.37	-13.00	28.37	Pass	Vertical
8	2542.5000	150	1	-41.61	-13.00	28.61	Pass	Vertical
9	3390.0000	150	359	-43.44	-13.00	30.44	Pass	Vertical
10	4633.5817	150	278	-47.21	-13.00	34.21	Pass	Vertical
11	9358.0679	150	57	-41.24	-13.00	28.24	Pass	Vertical
12	13854.5427	150	148	-38.52	-13.00	25.52	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20625
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.0754	150	217	-67.88	-13.00	54.88	Pass	Horizontal
2	96.7494	150	148	-43.64	-13.00	30.64	Pass	Horizontal
3	134.9750	150	148	-35.96	-13.00	22.96	Pass	Horizontal
4	183.8728	150	357	-38.10	-13.00	25.10	Pass	Horizontal
5	263.2346	150	115	-35.48	-13.00	22.48	Pass	Horizontal
6	360.4481	150	195	-38.70	-13.00	25.70	Pass	Horizontal
7	1693.0000	150	315	-41.44	-13.00	28.44	Pass	Horizontal
8	2539.5000	150	217	-46.79	-13.00	33.79	Pass	Horizontal
9	3386.0000	150	192	-46.23	-13.00	33.23	Pass	Horizontal
10	5229.8615	150	75	-49.11	-13.00	36.11	Pass	Horizontal
11	8574.2787	150	360	-43.47	-13.00	30.47	Pass	Horizontal
12	14492.8246	150	114	-40.78	-13.00	27.78	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20625
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	123	-57.88	-13.00	44.88	Pass	Vertical
2	95.1970	150	239	-47.00	-13.00	34.00	Pass	Vertical
3	139.2438	150	160	-39.21	-13.00	26.21	Pass	Vertical
4	177.2755	150	123	-39.20	-13.00	26.20	Pass	Vertical
5	303.7888	150	54	-44.33	-13.00	31.33	Pass	Vertical
6	677.5075	150	85	-51.29	-13.00	38.29	Pass	Vertical
7	1693.0000	150	1	-43.87	-13.00	30.87	Pass	Vertical
8	2539.5000	150	1	-44.11	-13.00	31.11	Pass	Vertical
9	3386.0000	150	359	-45.94	-13.00	32.94	Pass	Vertical
10	4633.5817	150	278	-49.71	-13.00	36.71	Pass	Vertical
11	7721.4861	150	238	-44.48	-13.00	31.48	Pass	Vertical
12	14240.0620	150	320	-39.91	-13.00	26.91	Pass	Vertical

Mode:	LTE Traffic		
Band:	5	Channel:	20600
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	41.8364	150	217	-67.12	-13.00	54.12	Pass	Horizontal
2	96.7494	150	148	-43.64	-13.00	30.64	Pass	Horizontal
3	134.9750	150	148	-35.96	-13.00	22.96	Pass	Horizontal
4	263.2346	150	115	-35.48	-13.00	22.48	Pass	Horizontal
5	360.4481	150	195	-38.70	-13.00	25.70	Pass	Horizontal
6	622.0124	150	269	-51.40	-13.00	38.40	Pass	Horizontal
7	1688.0000	150	315	-41.44	-13.00	28.44	Pass	Horizontal
8	2532.0000	150	217	-46.79	-13.00	33.79	Pass	Horizontal
9	3376.0000	150	192	-46.23	-13.00	33.23	Pass	Horizontal
10	6432.9216	150	4	-48.84	-13.00	35.84	Pass	Horizontal
11	8574.2787	150	360	-43.47	-13.00	30.47	Pass	Horizontal
12	14492.8246	150	114	-40.78	-13.00	27.78	Pass	Horizontal

Mode:	LTE Traffic		
Band:	5	Channel:	20600
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	160	-56.06	-13.00	43.06	Pass	Vertical
2	95.1970	150	239	-47.00	-13.00	34.00	Pass	Vertical
3	139.2438	150	160	-39.21	-13.00	26.21	Pass	Vertical
4	177.2755	150	123	-39.20	-13.00	26.20	Pass	Vertical
5	303.7888	150	54	-44.33	-13.00	31.33	Pass	Vertical
6	453.1986	150	123	-54.80	-13.00	41.80	Pass	Vertical
7	1688.0000	150	1	-43.87	-13.00	30.87	Pass	Vertical
8	2532.0000	150	1	-44.11	-13.00	31.11	Pass	Vertical
9	3376.0000	150	359	-44.54	-13.00	31.54	Pass	Vertical
10	6423.1712	150	320	-47.31	-13.00	34.31	Pass	Vertical
11	11237.6619	150	238	-41.66	-13.00	28.66	Pass	Vertical
12	13854.5427	150	148	-39.62	-13.00	26.62	Pass	Vertical

Note:

Scan from 9kHz to 25GHz, the disturbance above 15GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.