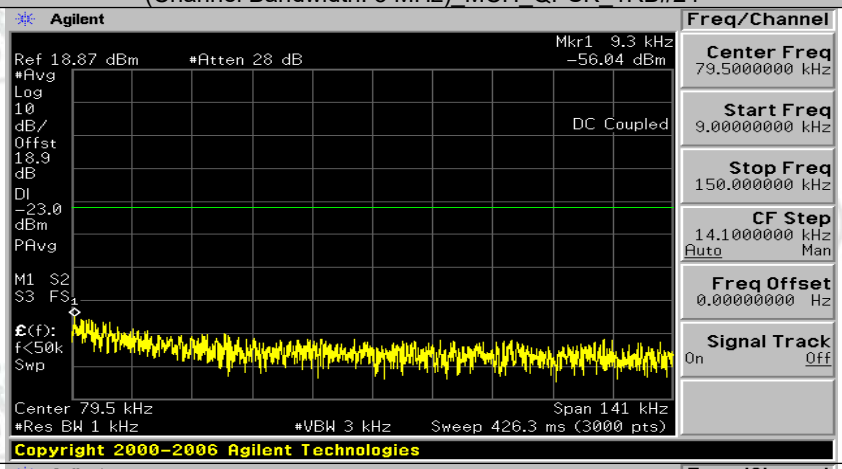
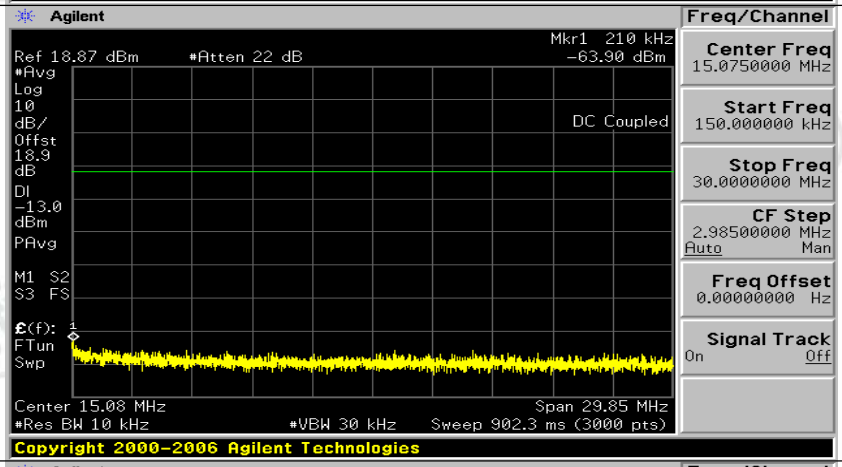
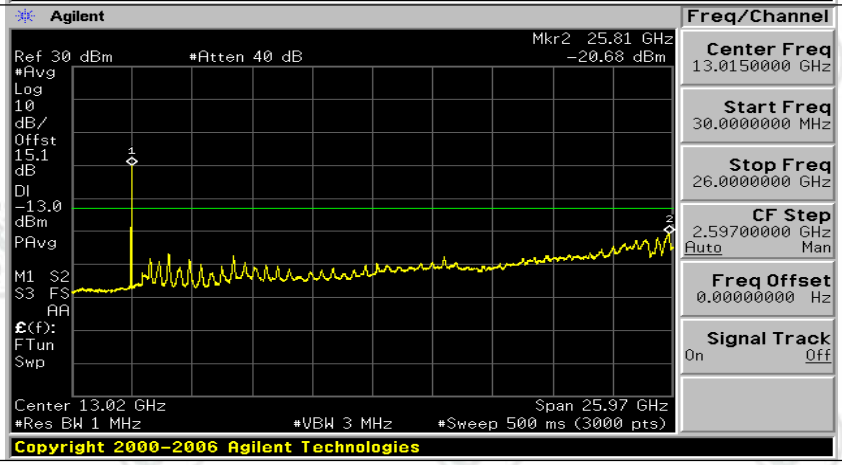
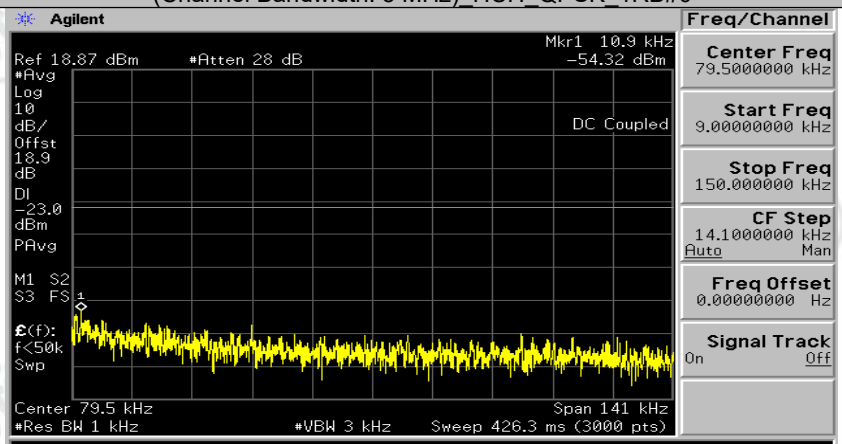
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

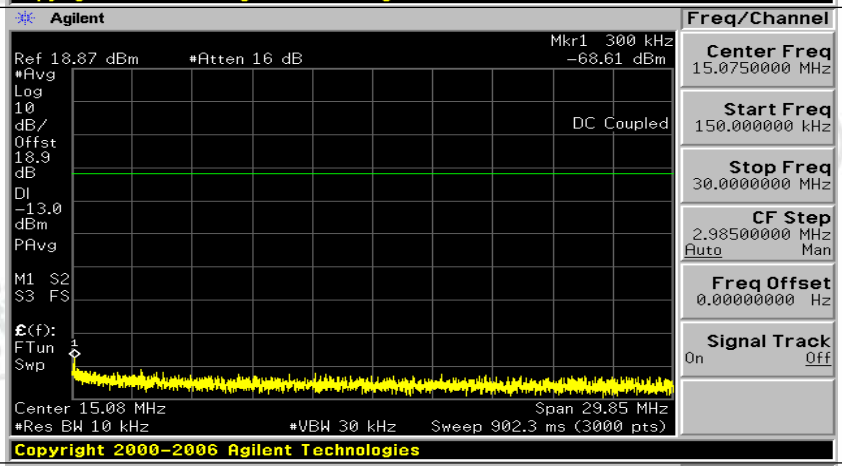


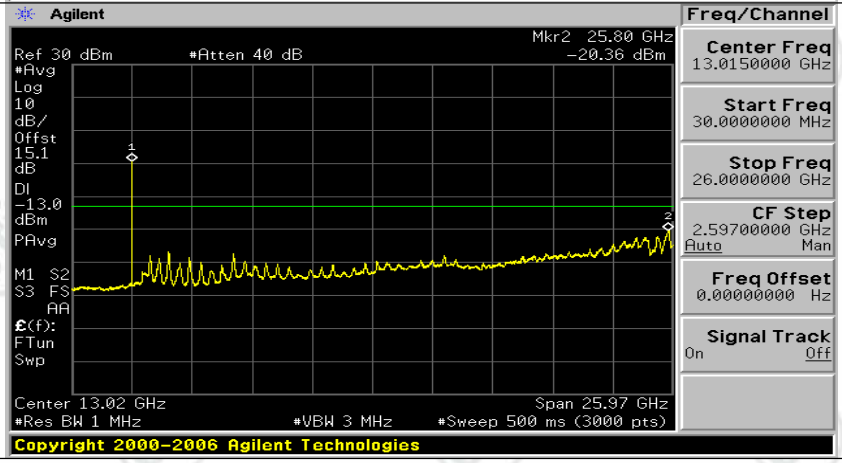




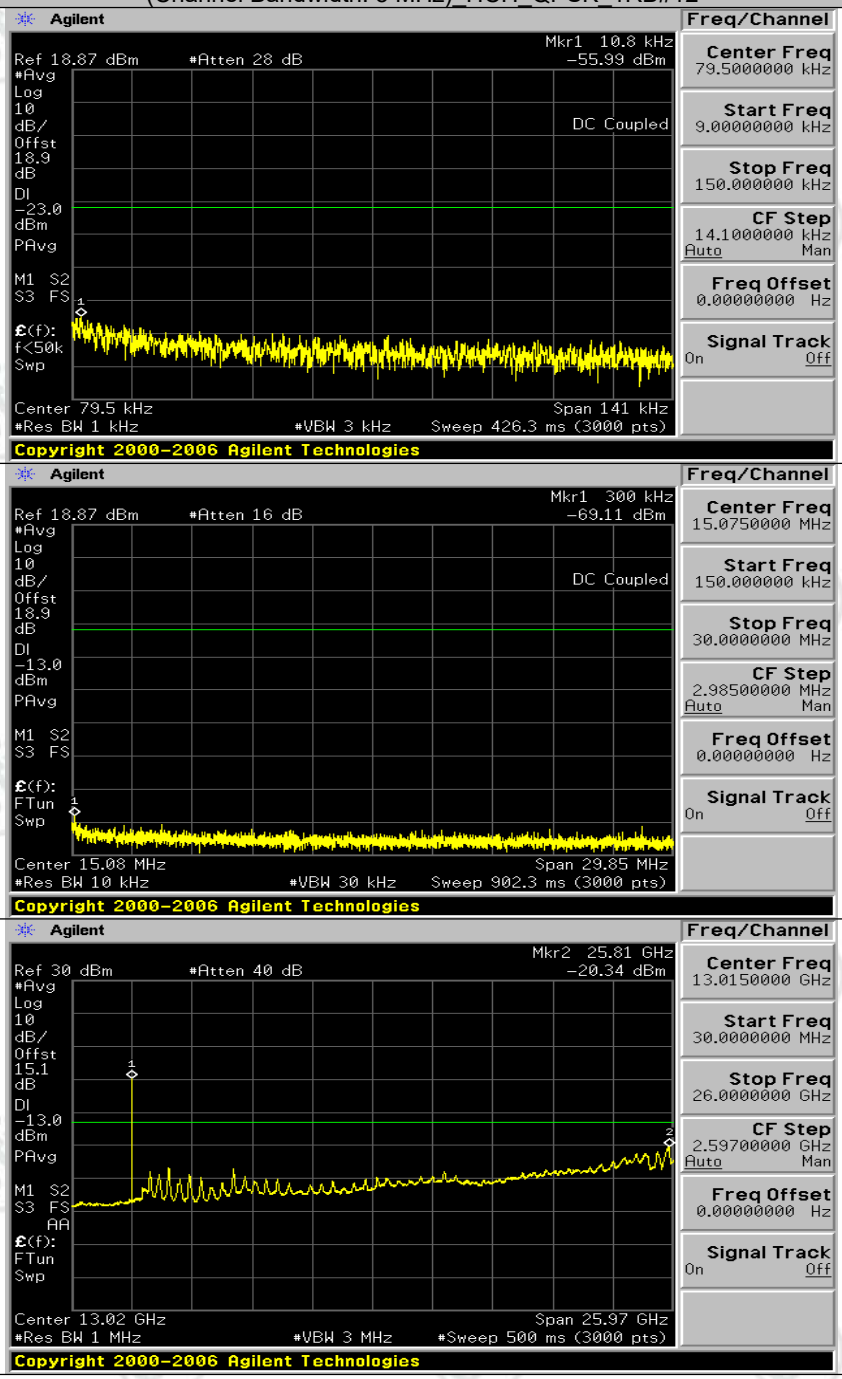
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



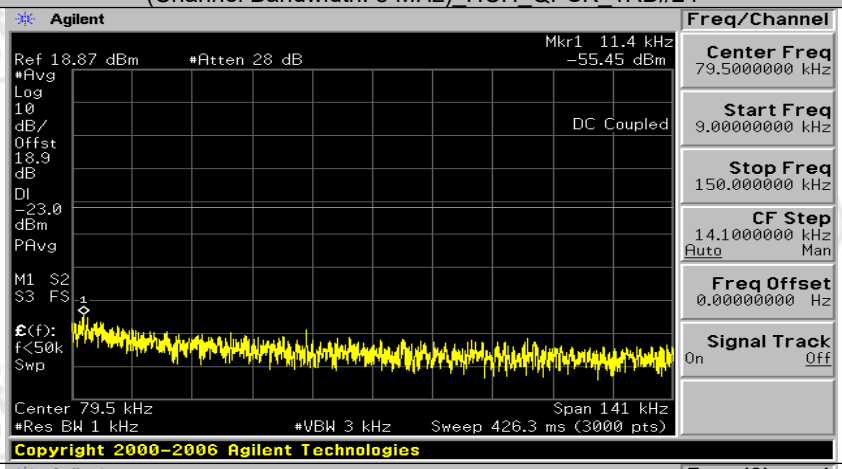


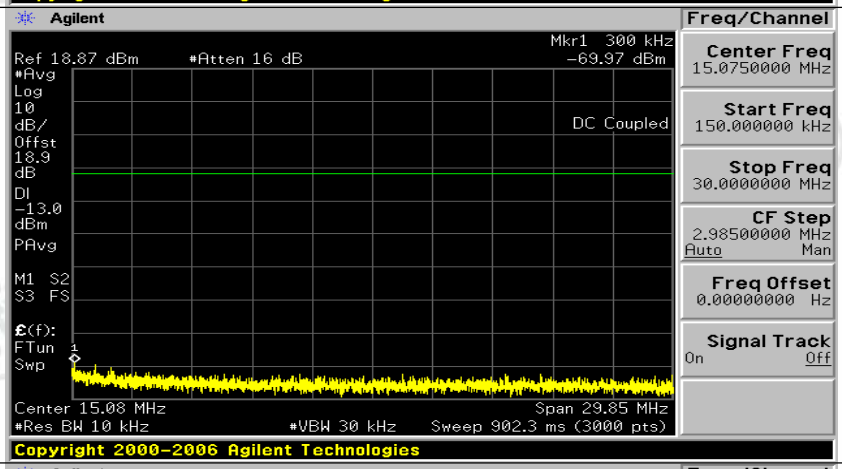


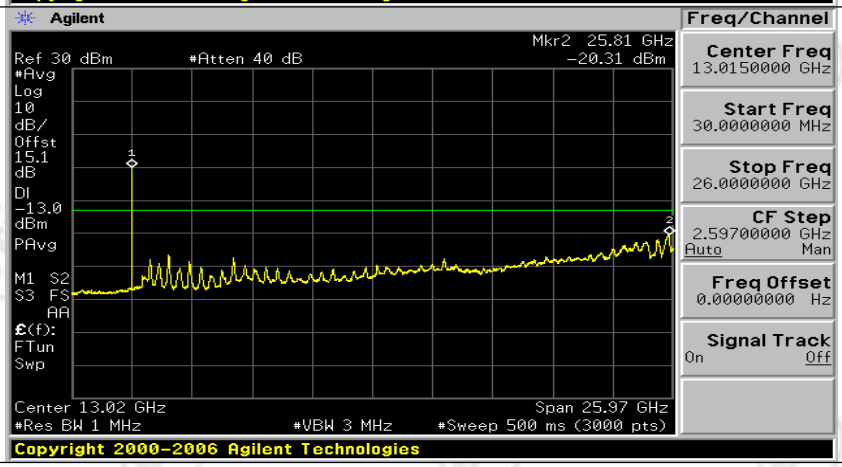
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



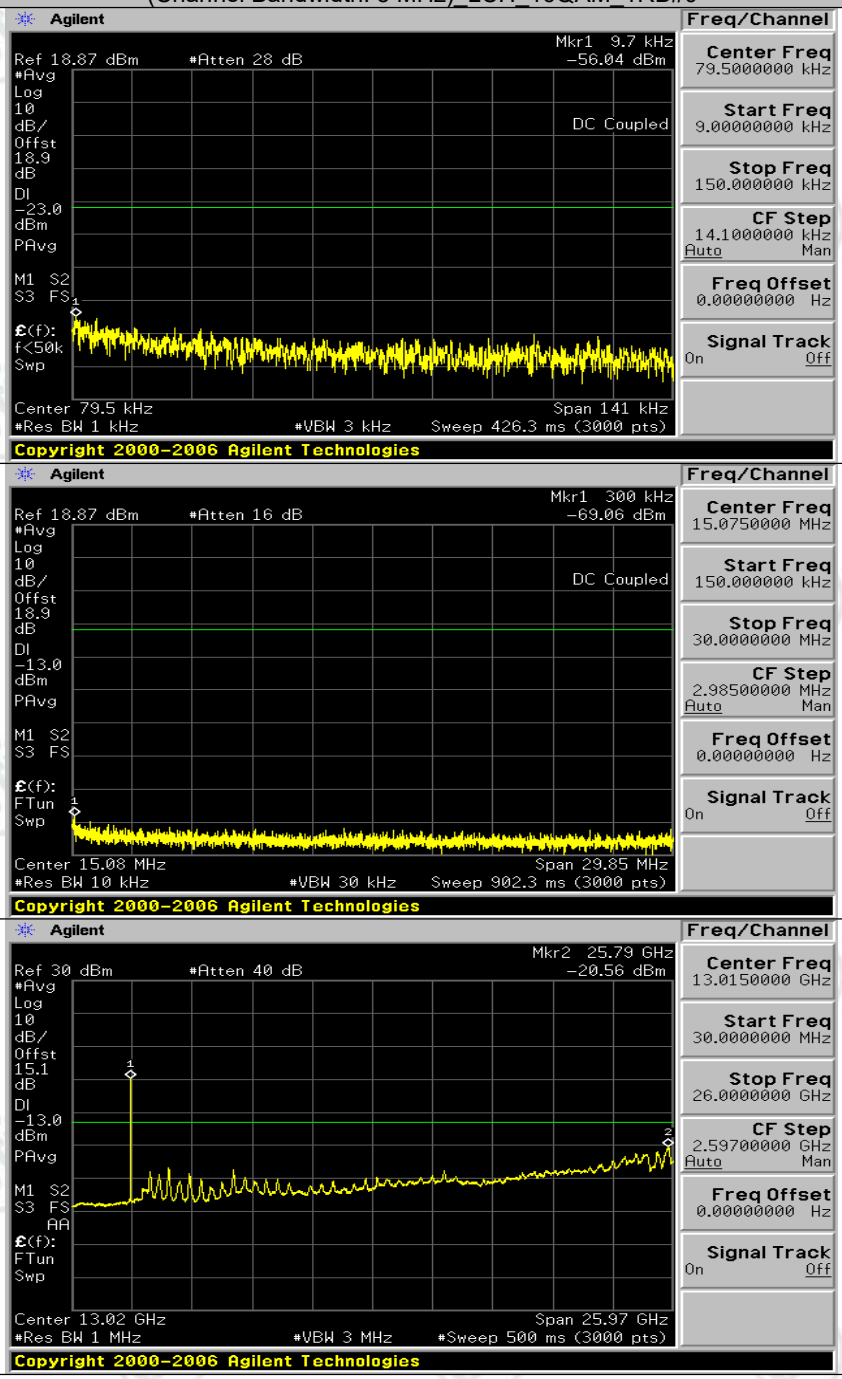
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



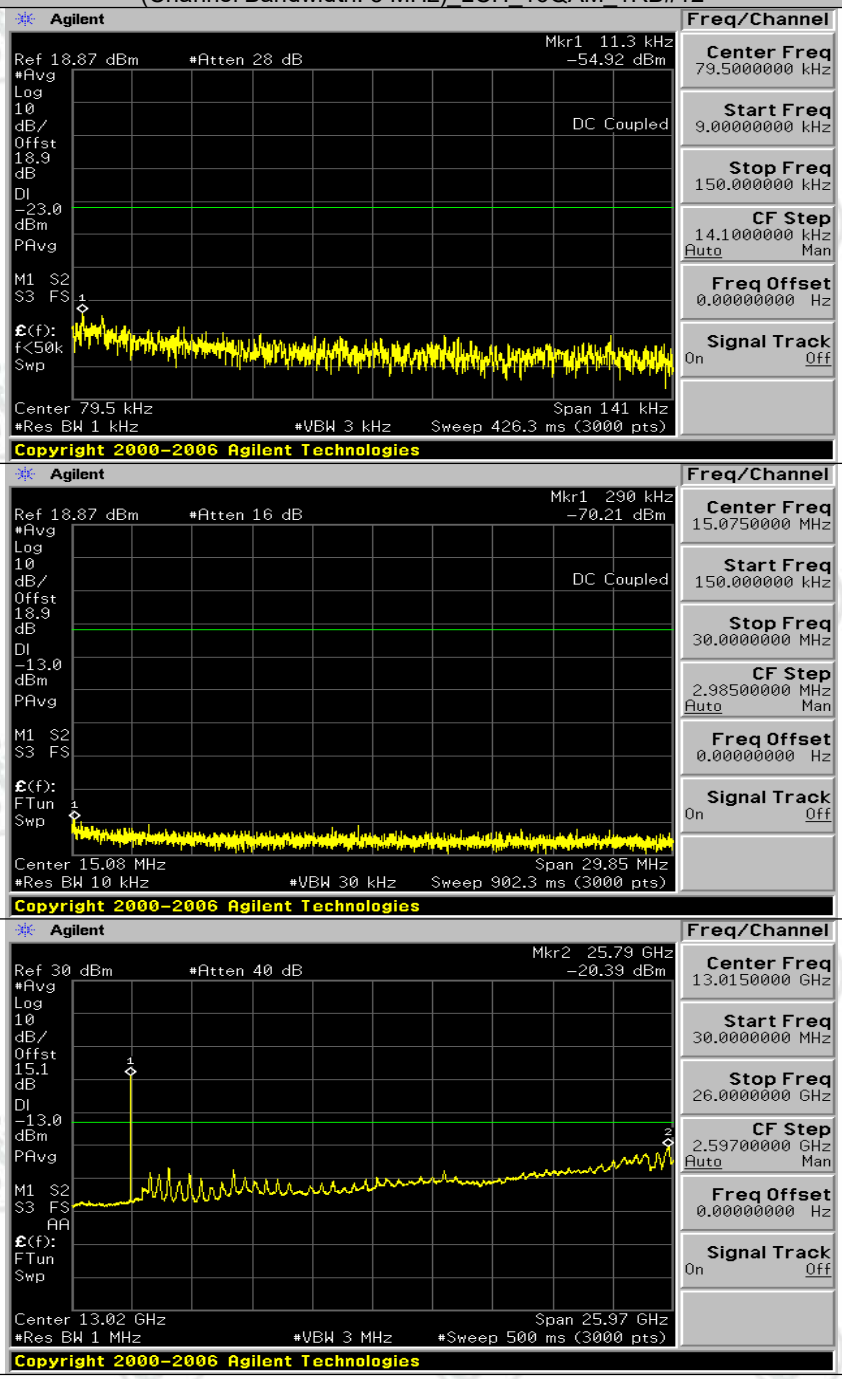




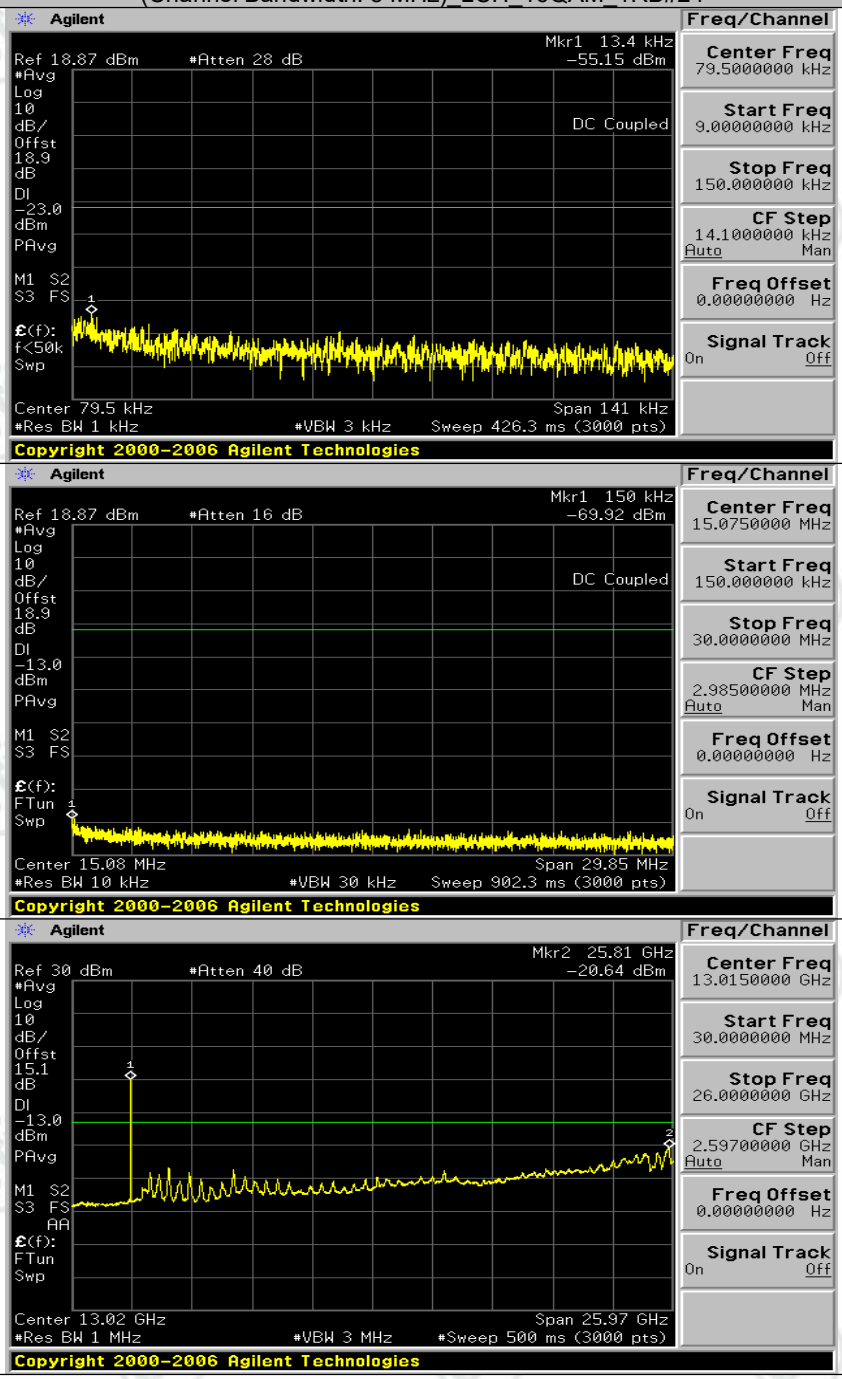
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



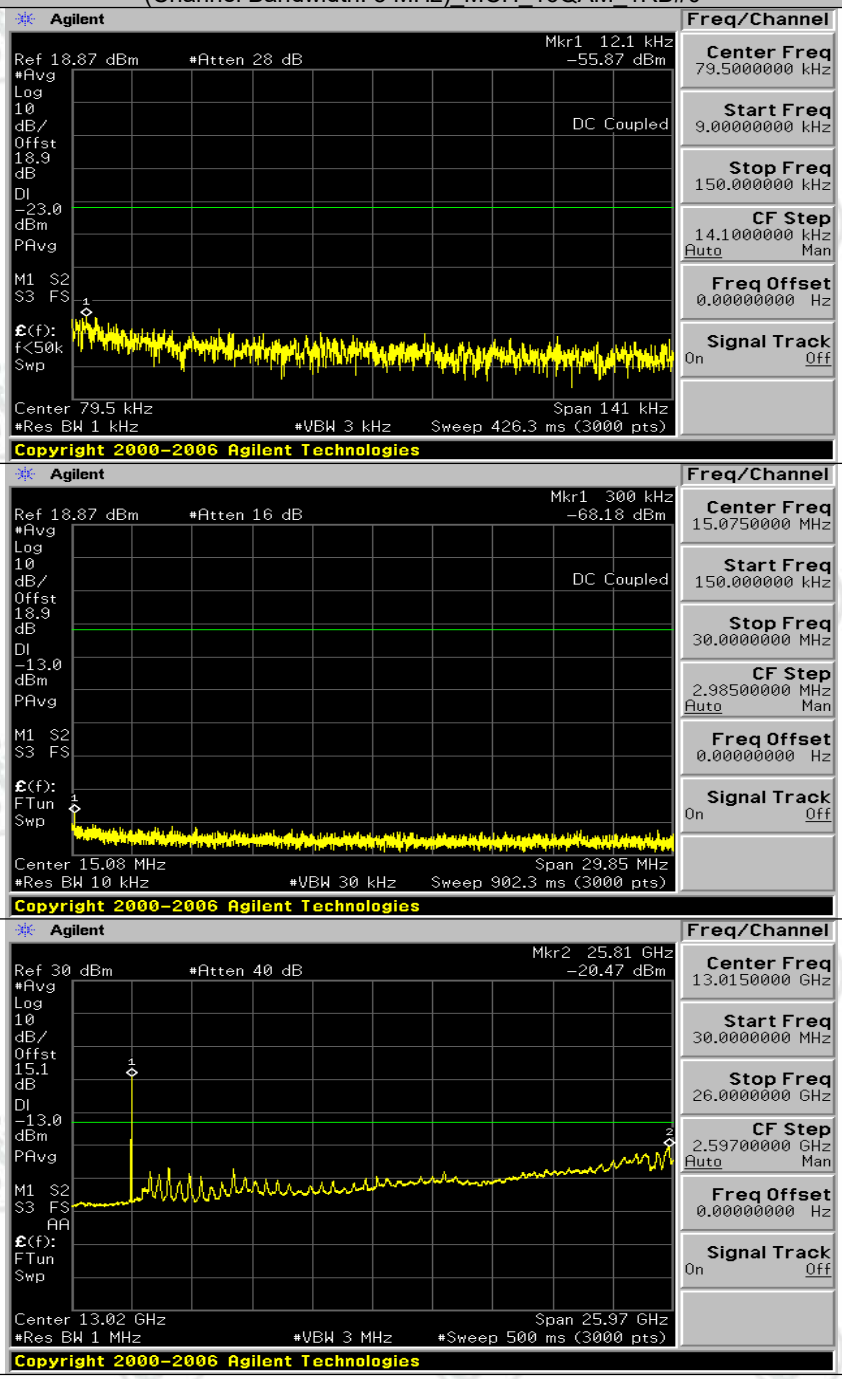
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



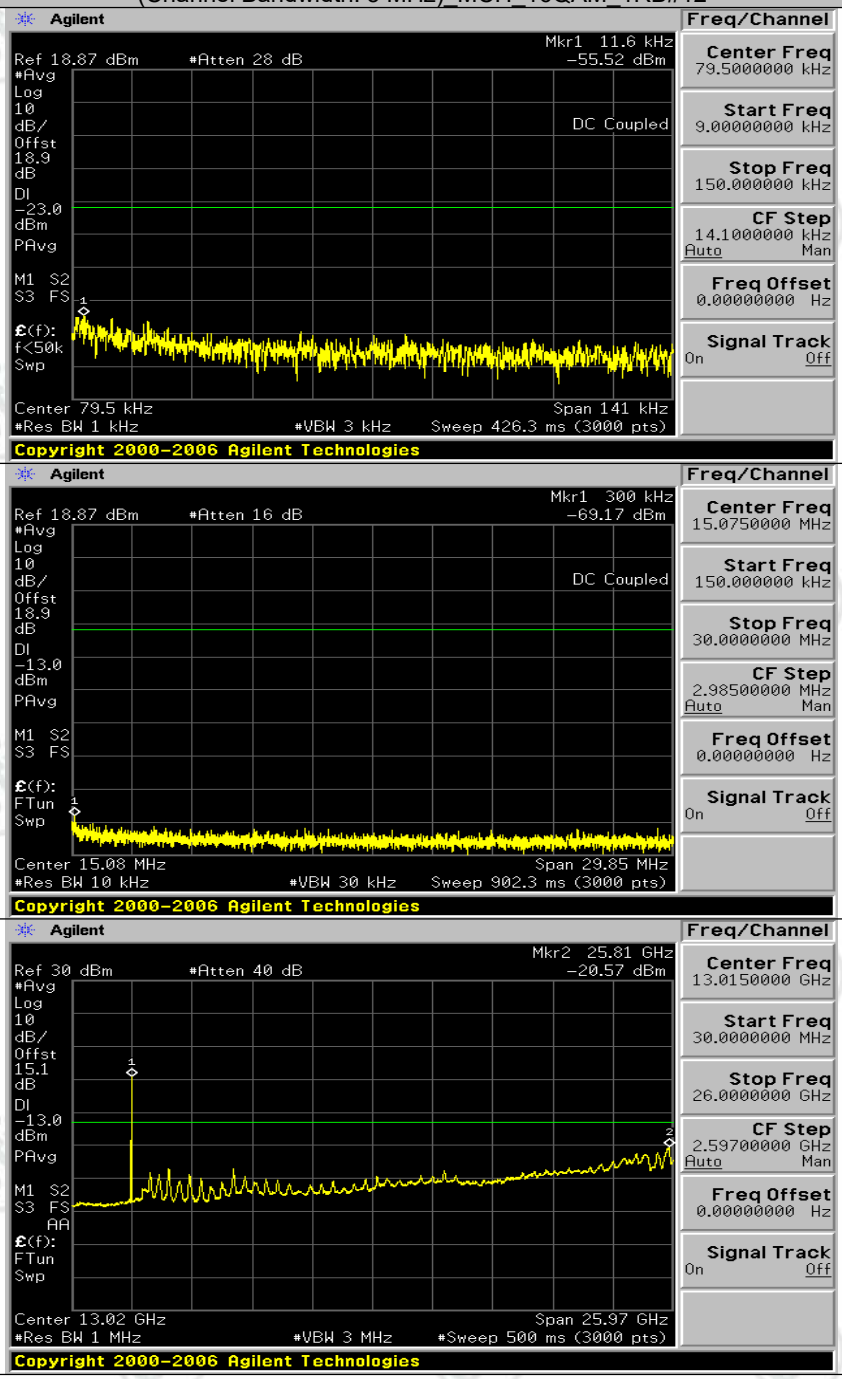
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



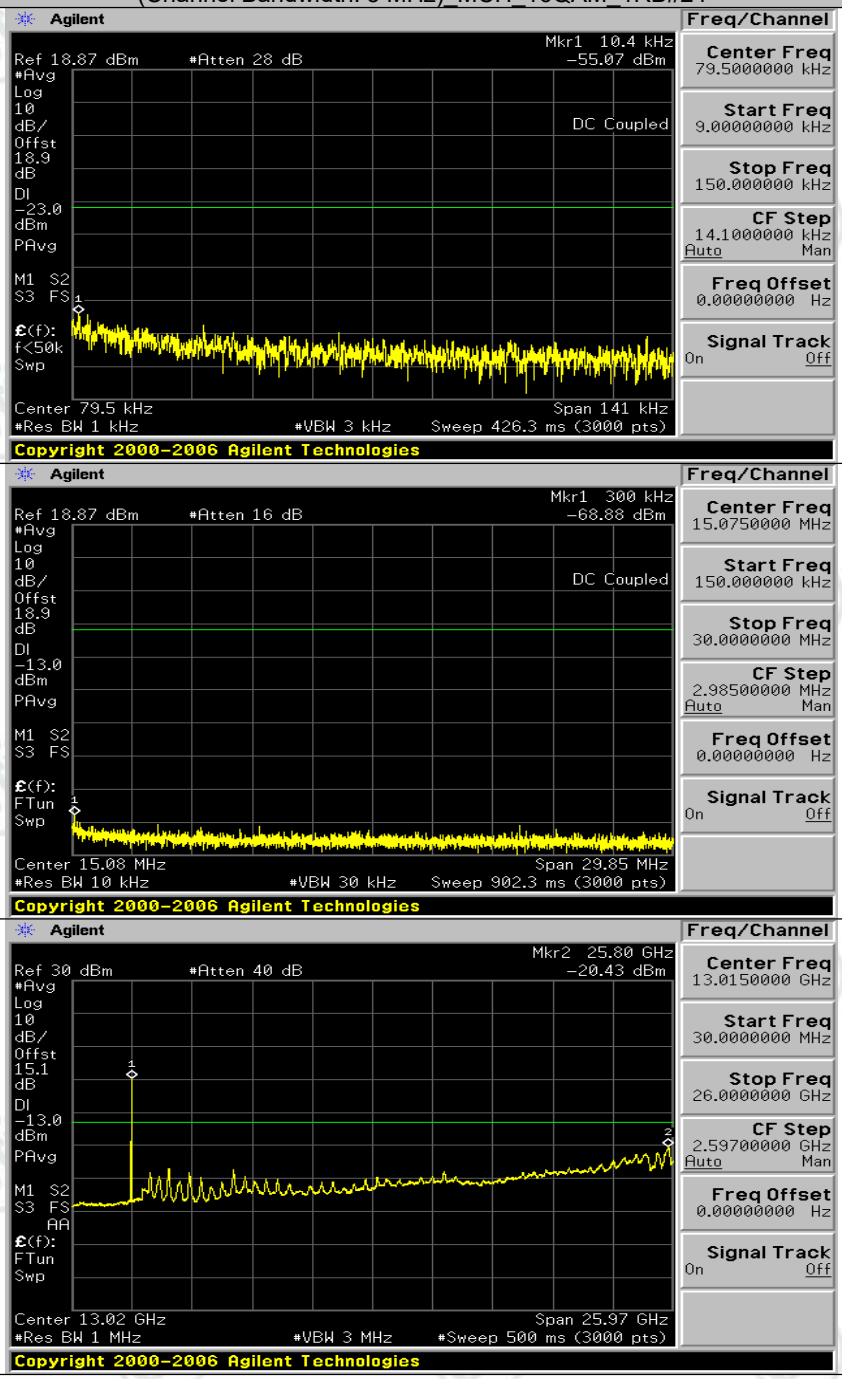
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



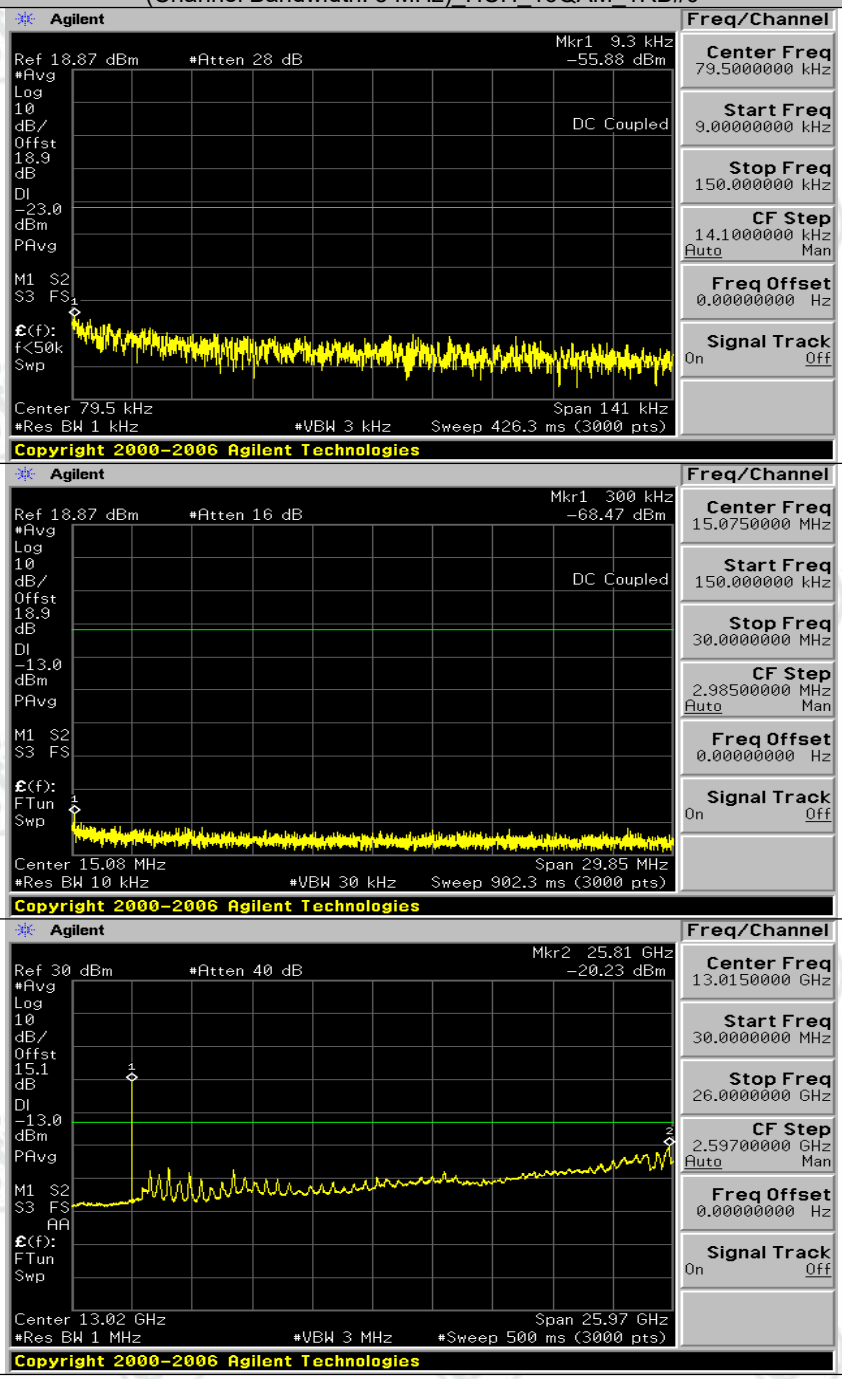
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



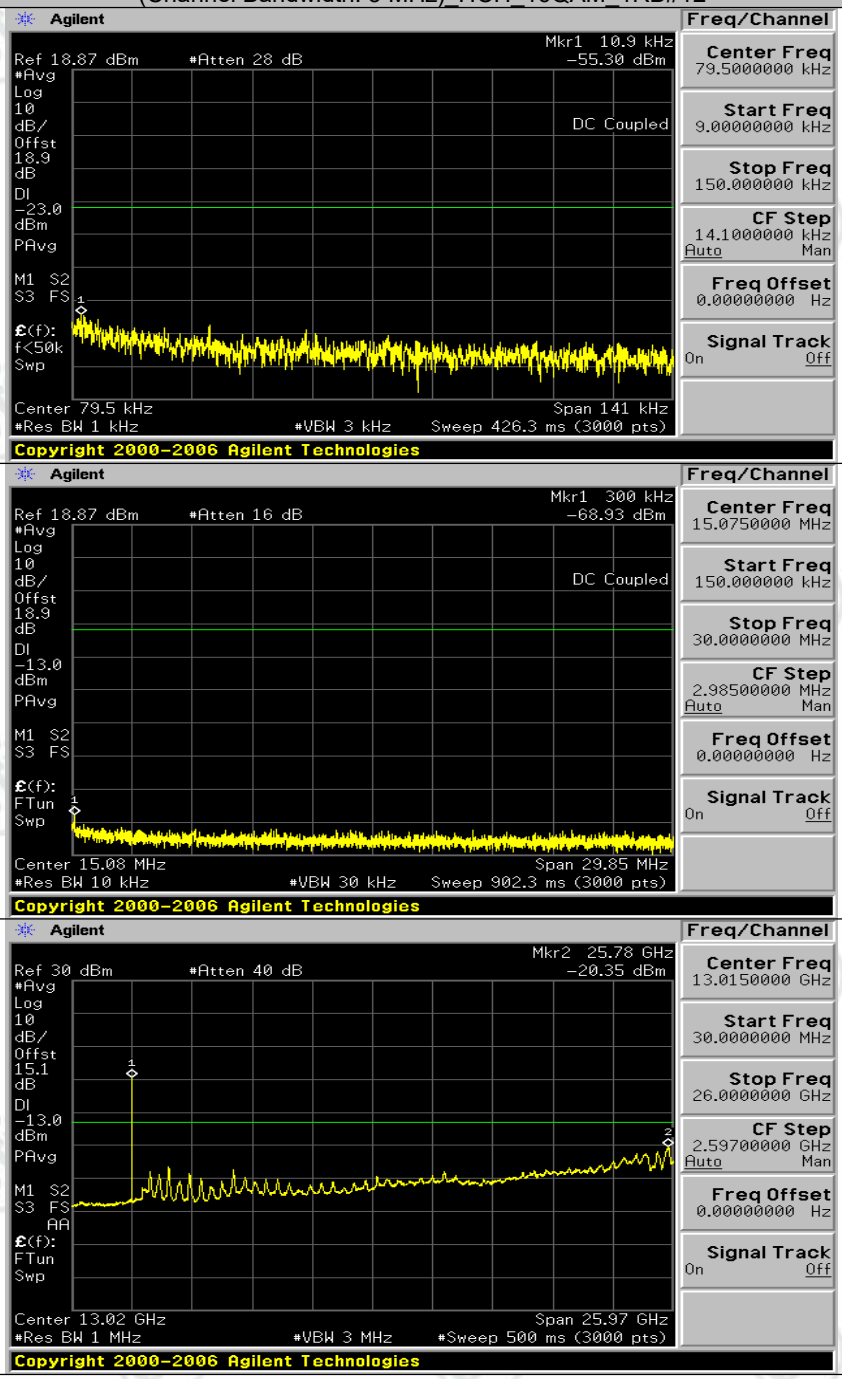
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



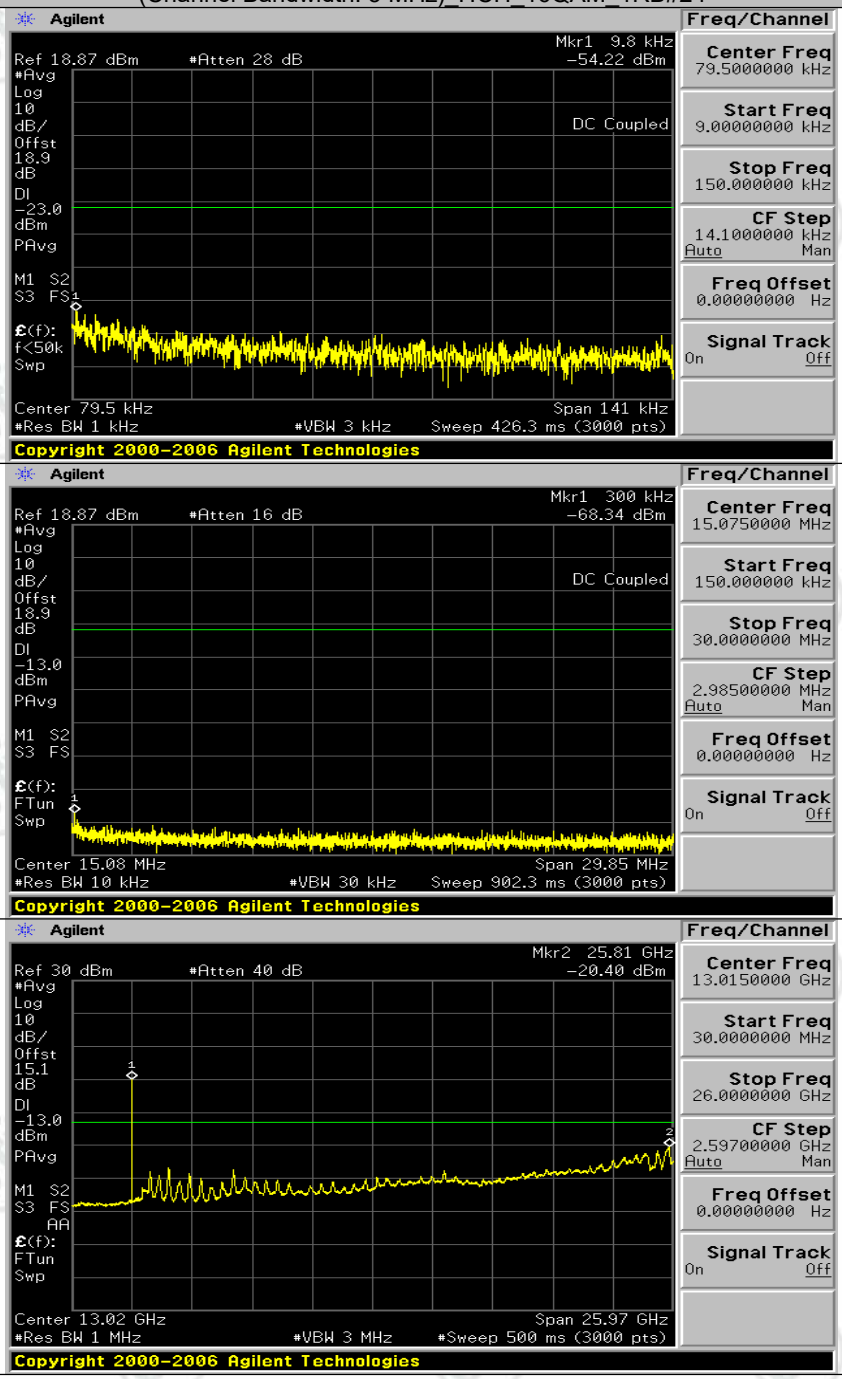
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

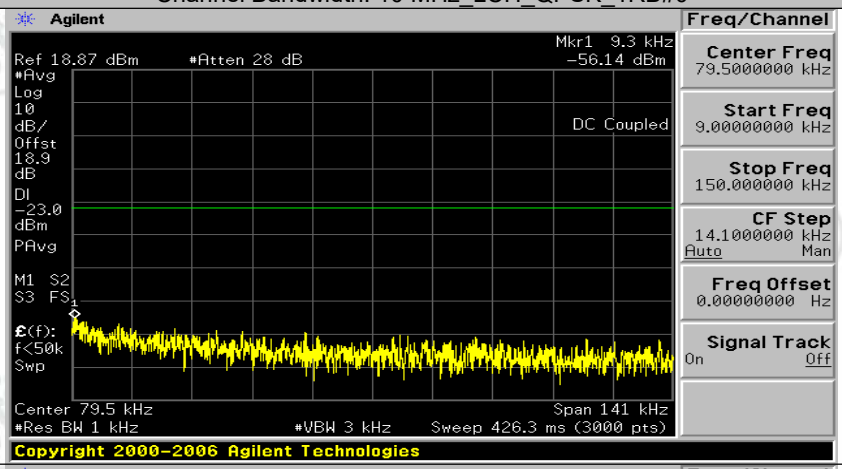


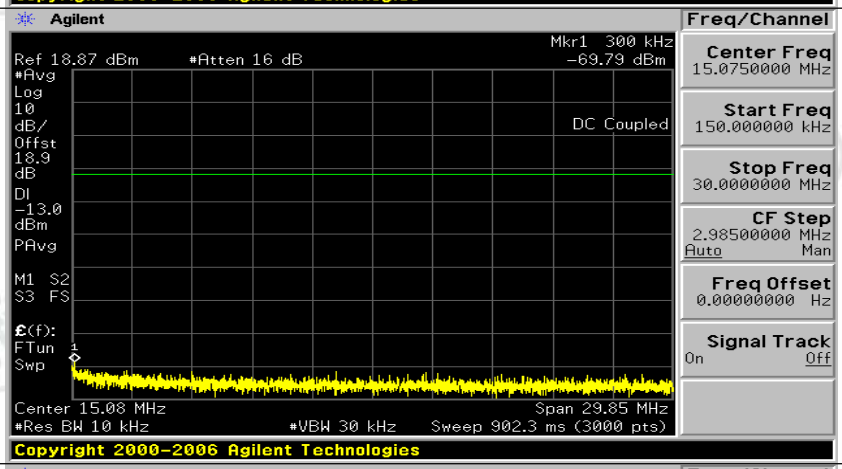
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

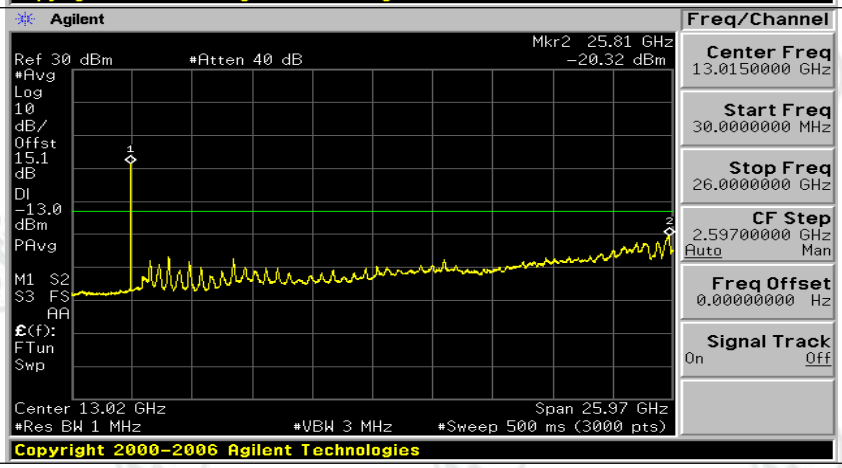


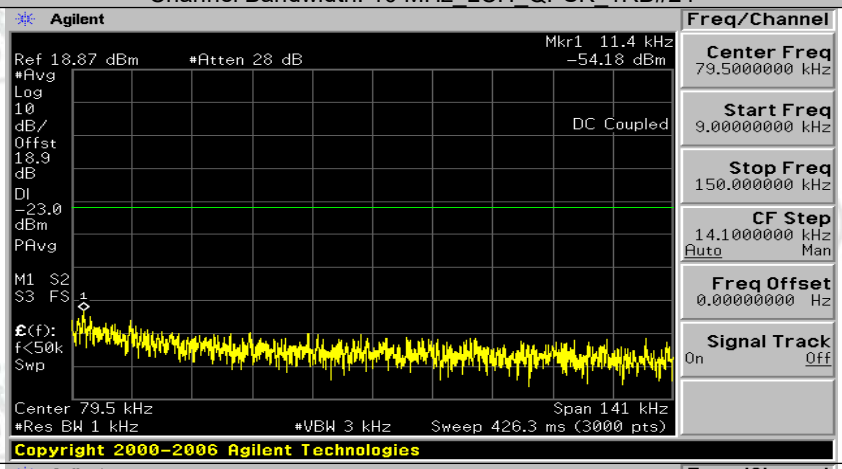
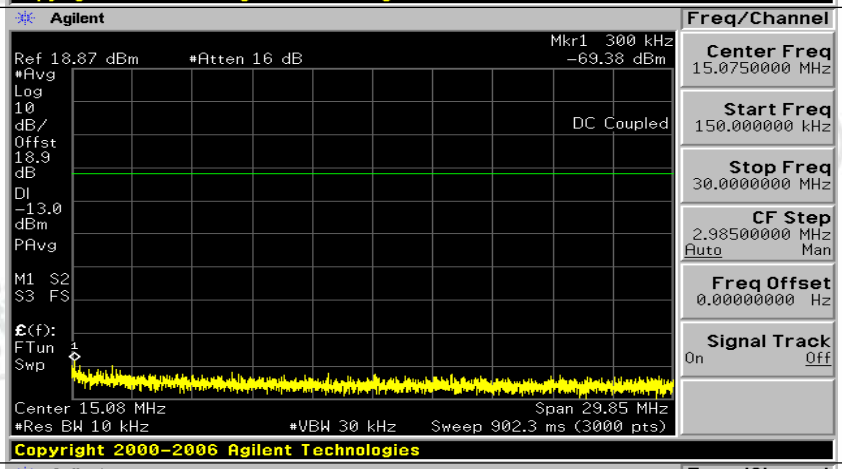
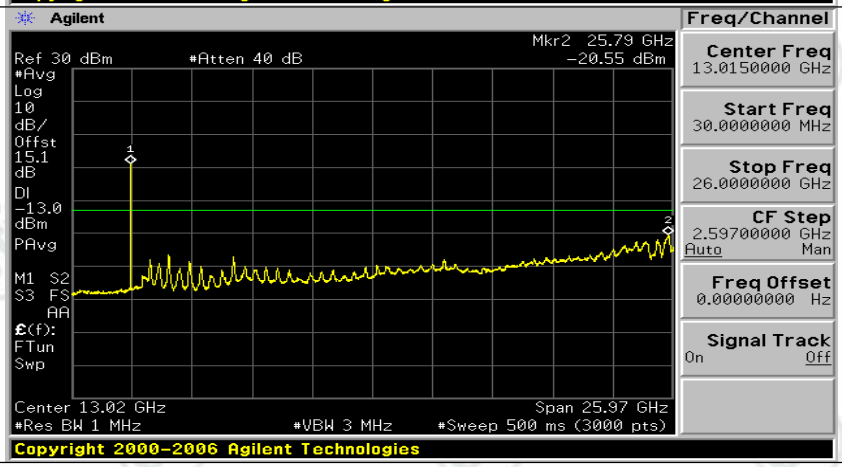
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

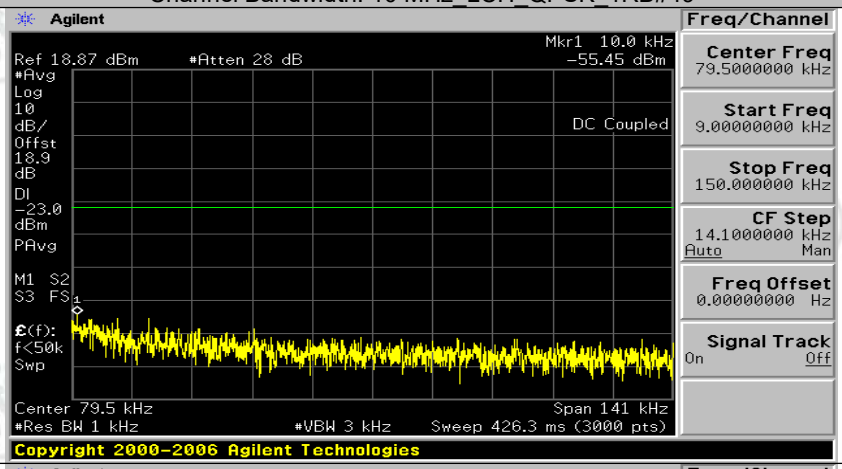


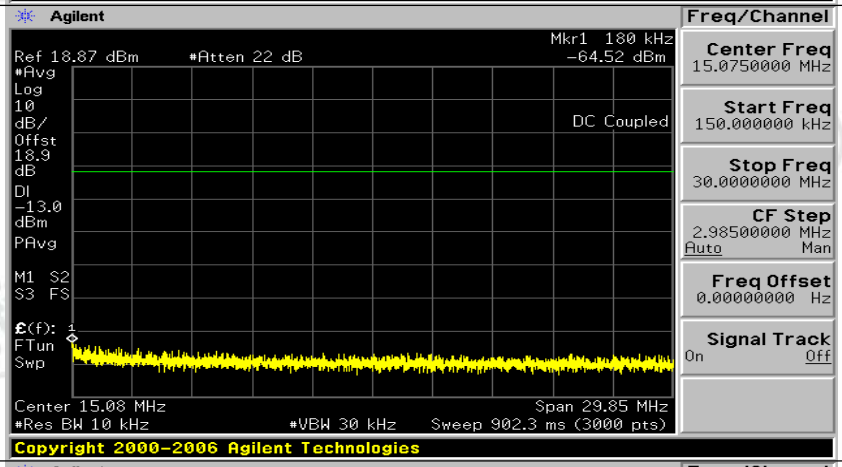


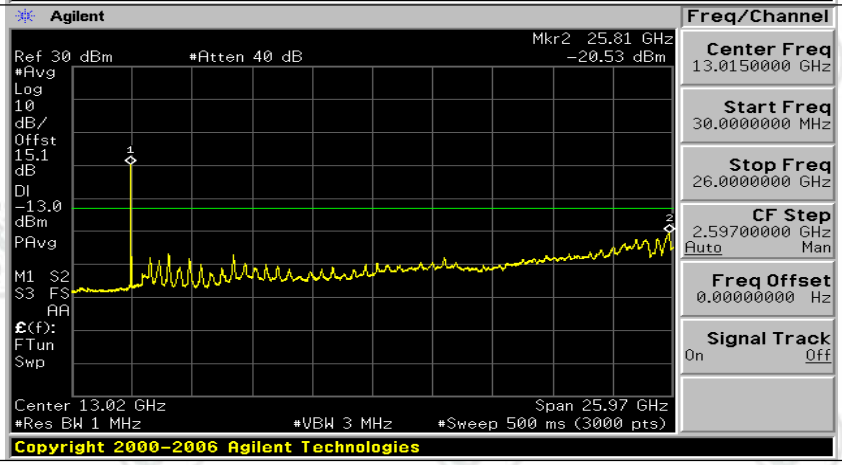


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24




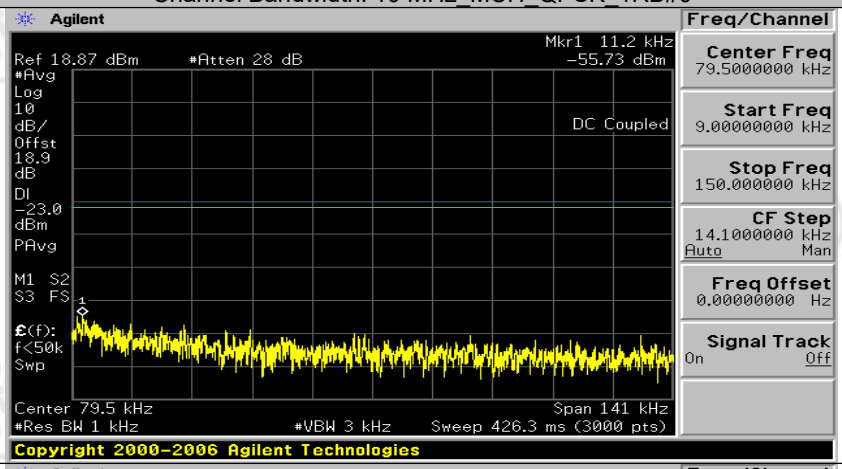
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

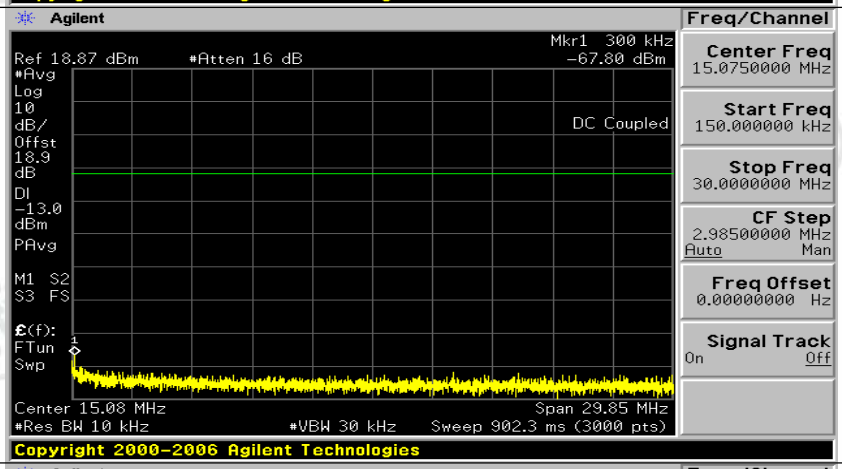


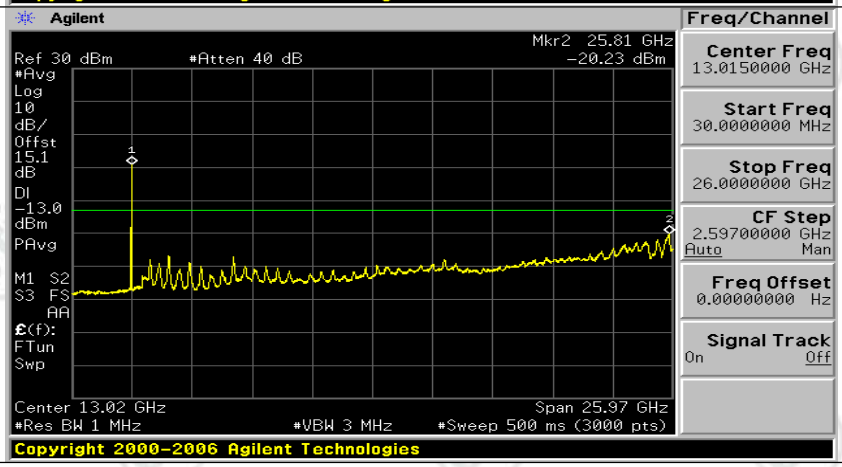


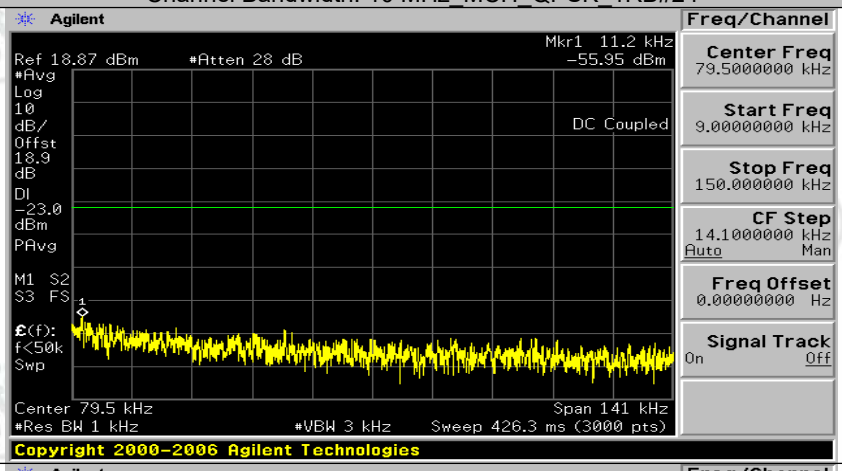
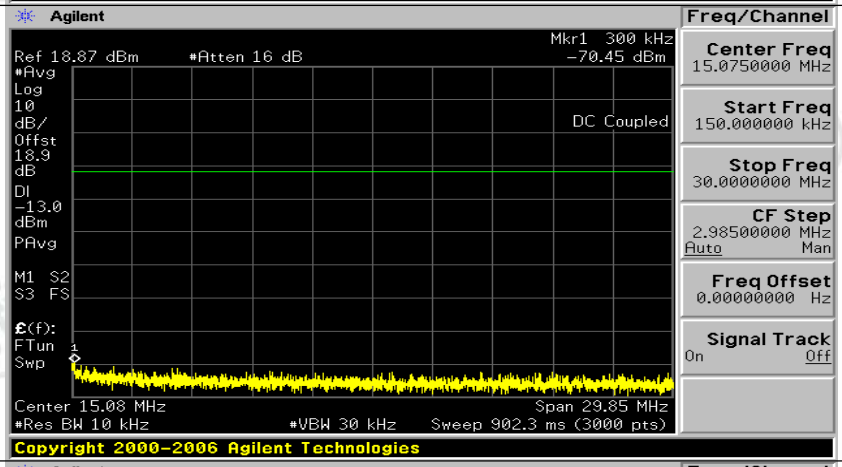
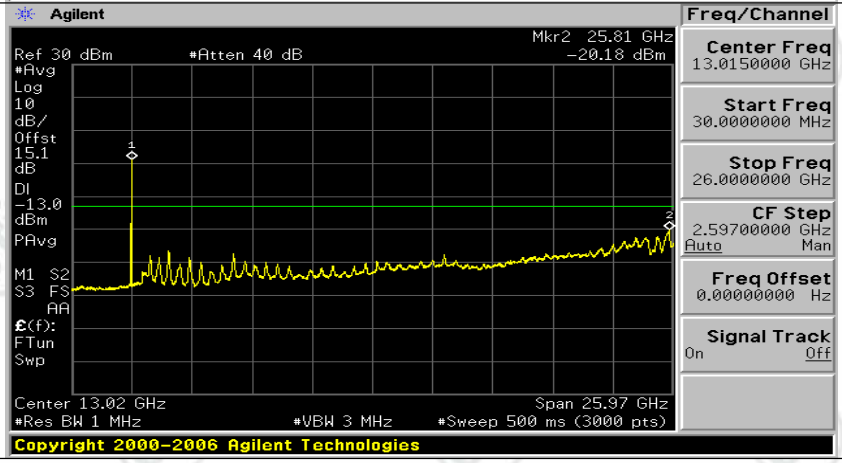


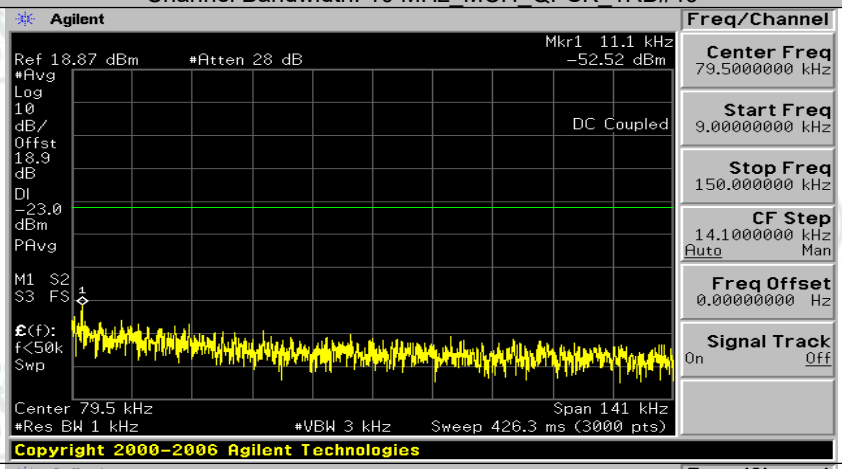
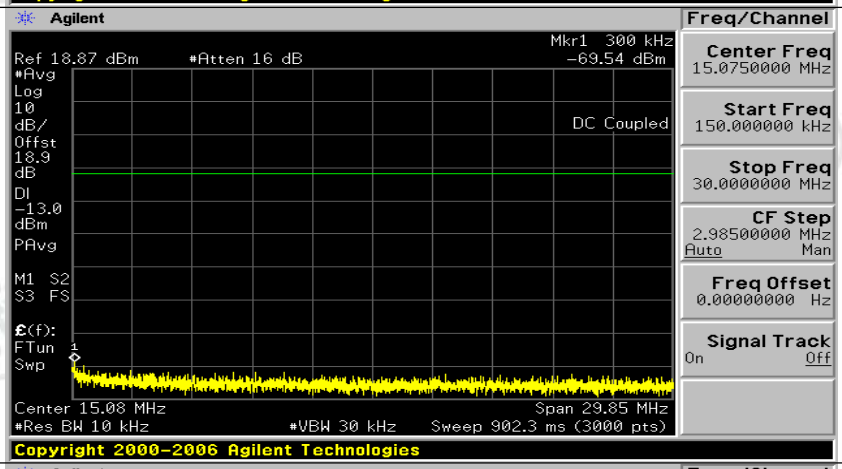
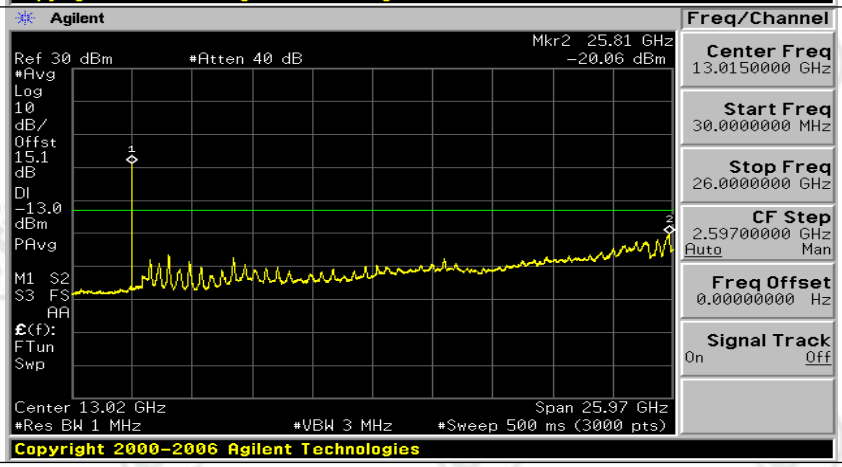
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

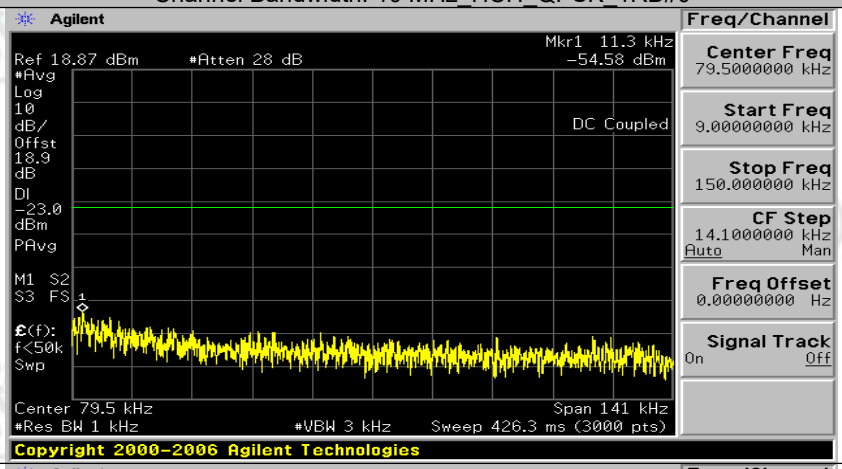
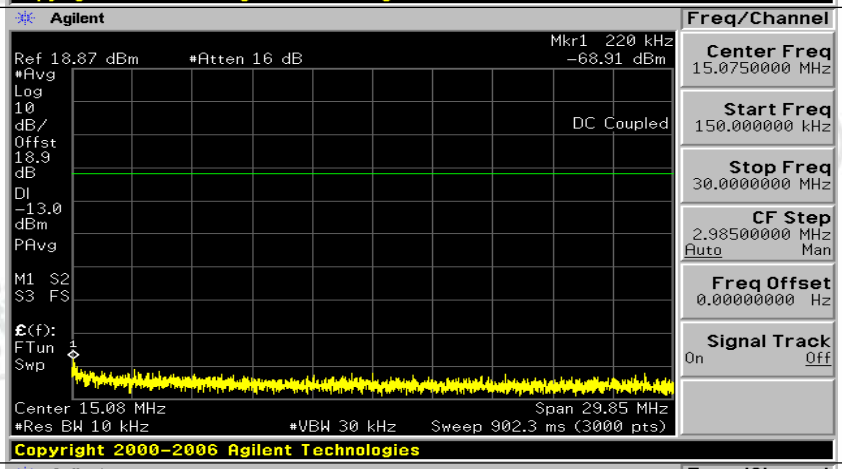
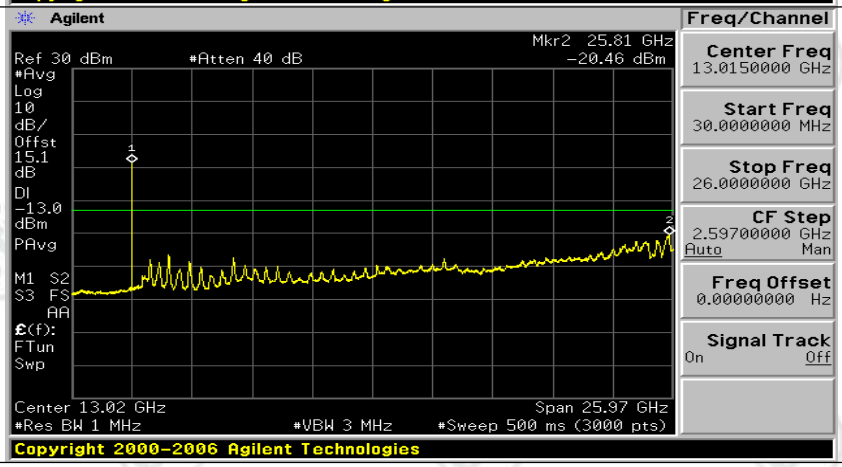


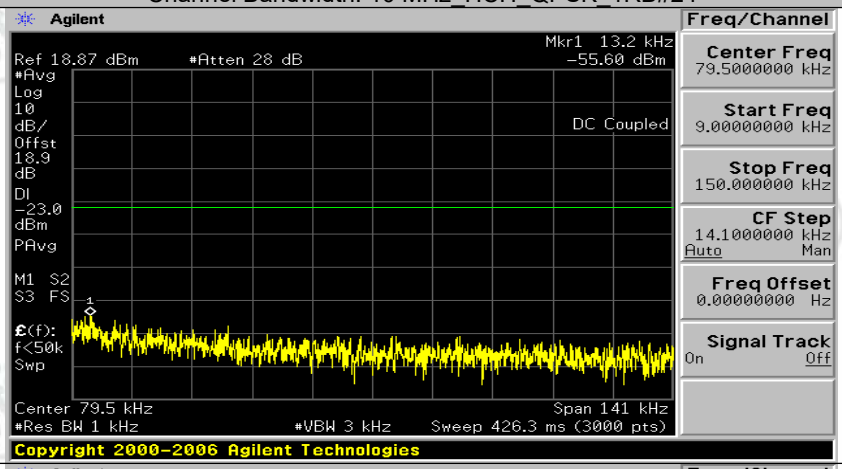
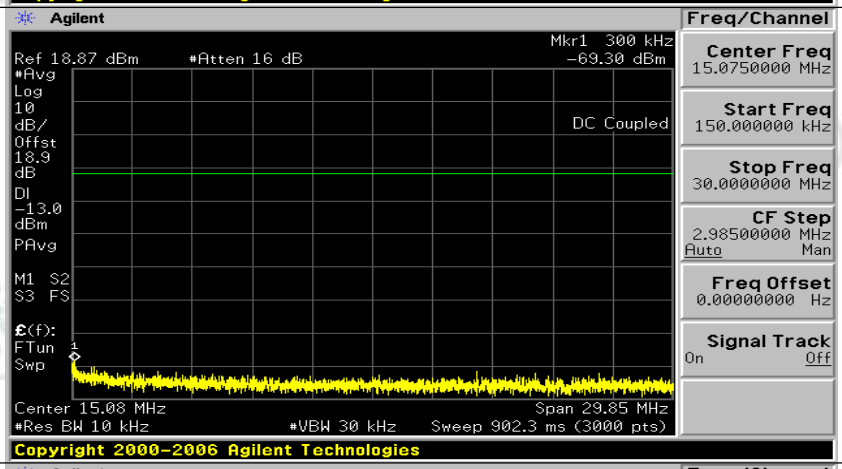
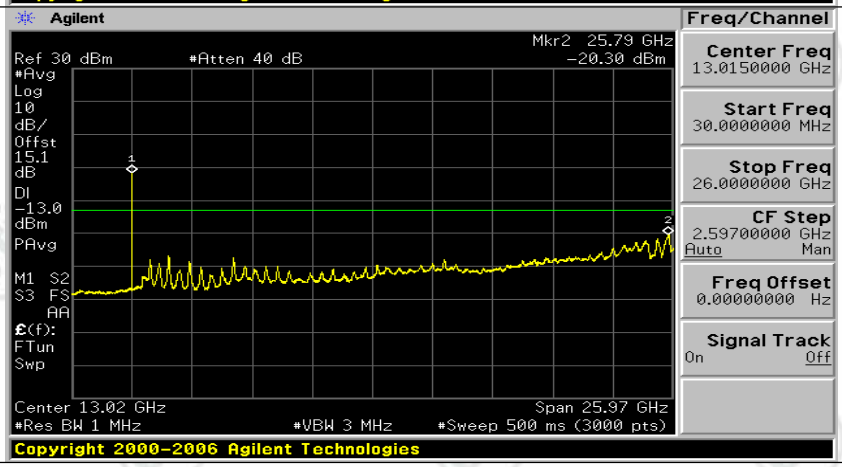




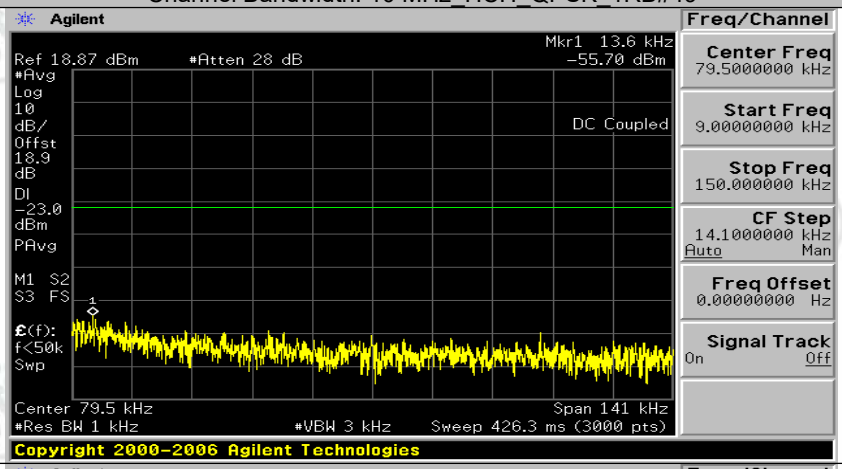
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24




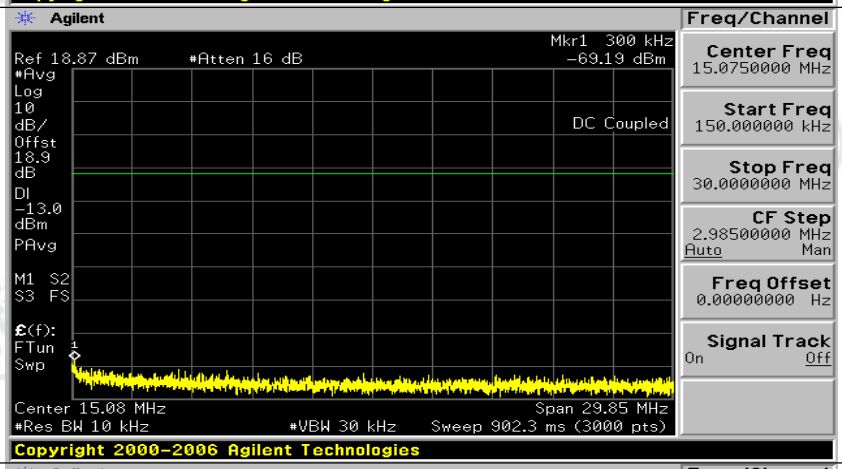
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49




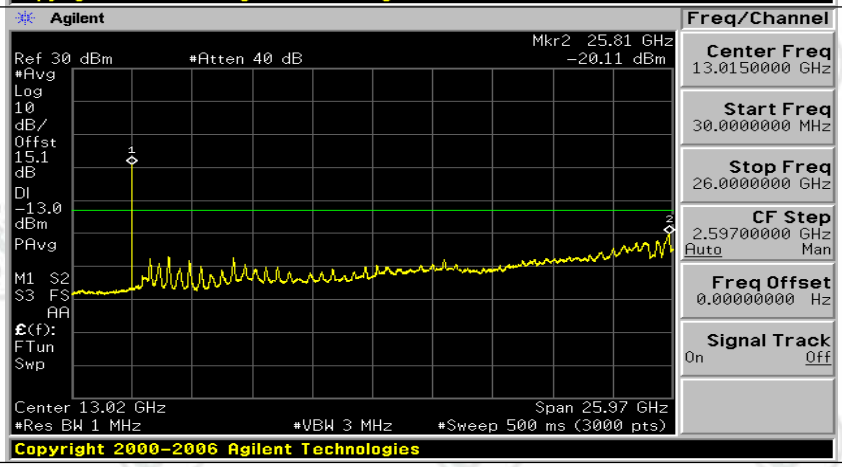
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0




Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24




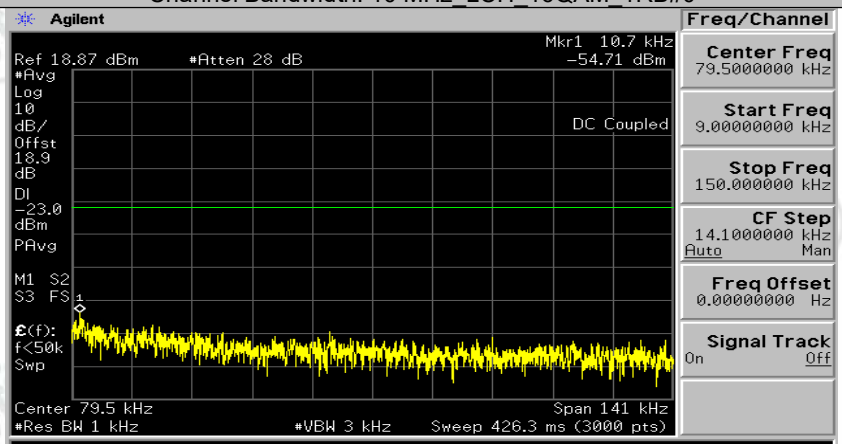
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

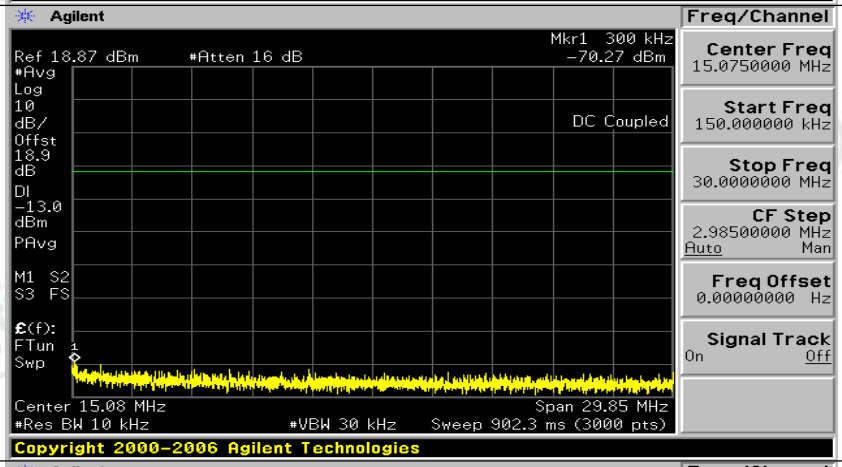


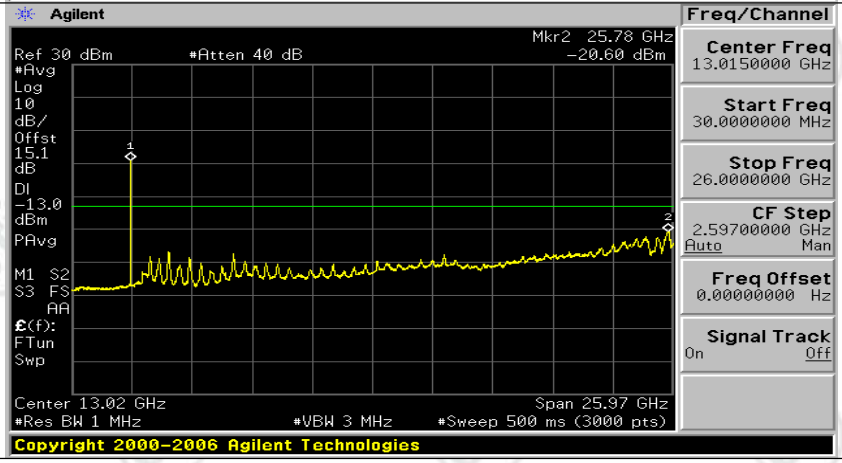


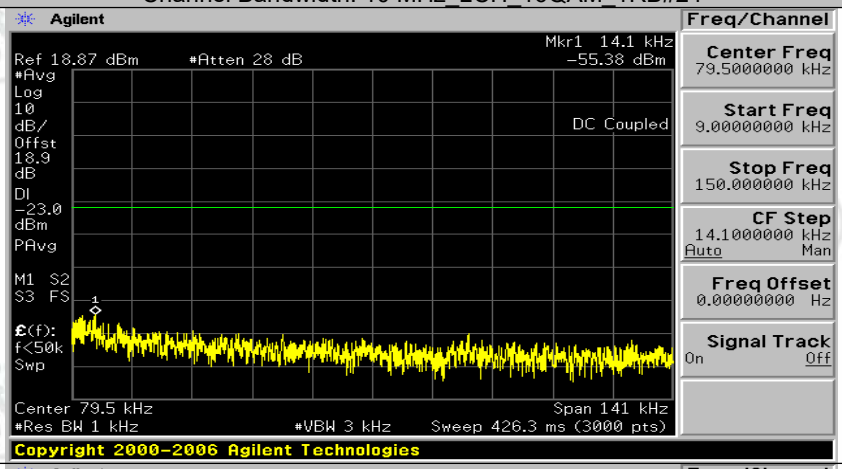
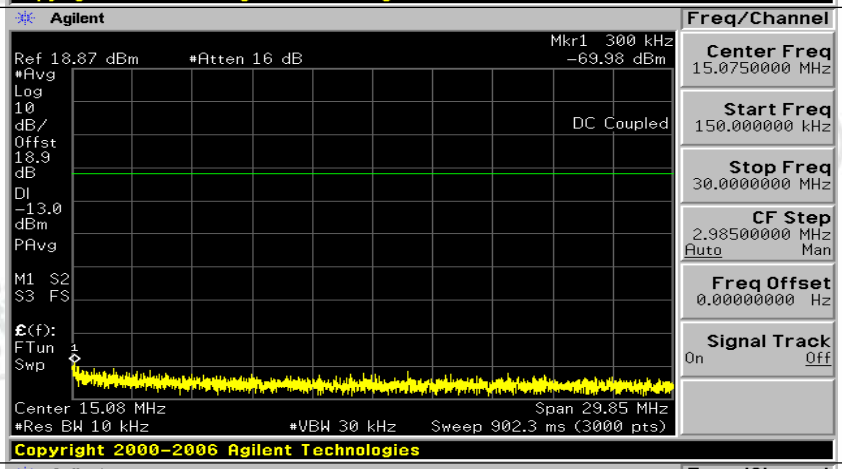
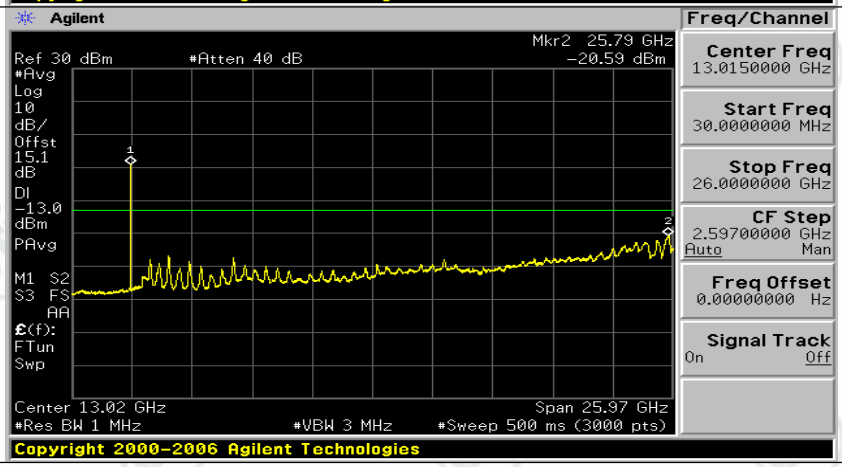


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

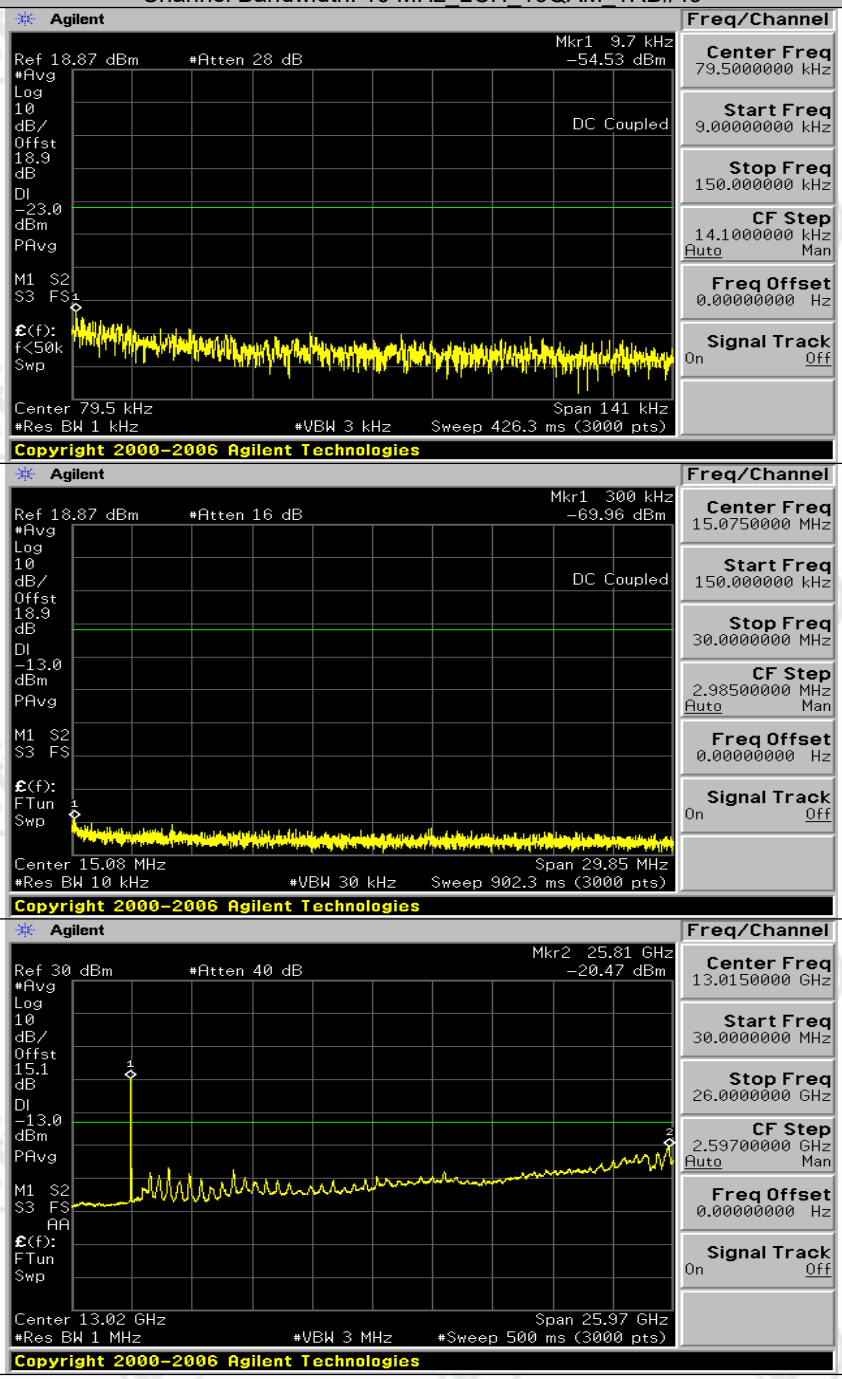




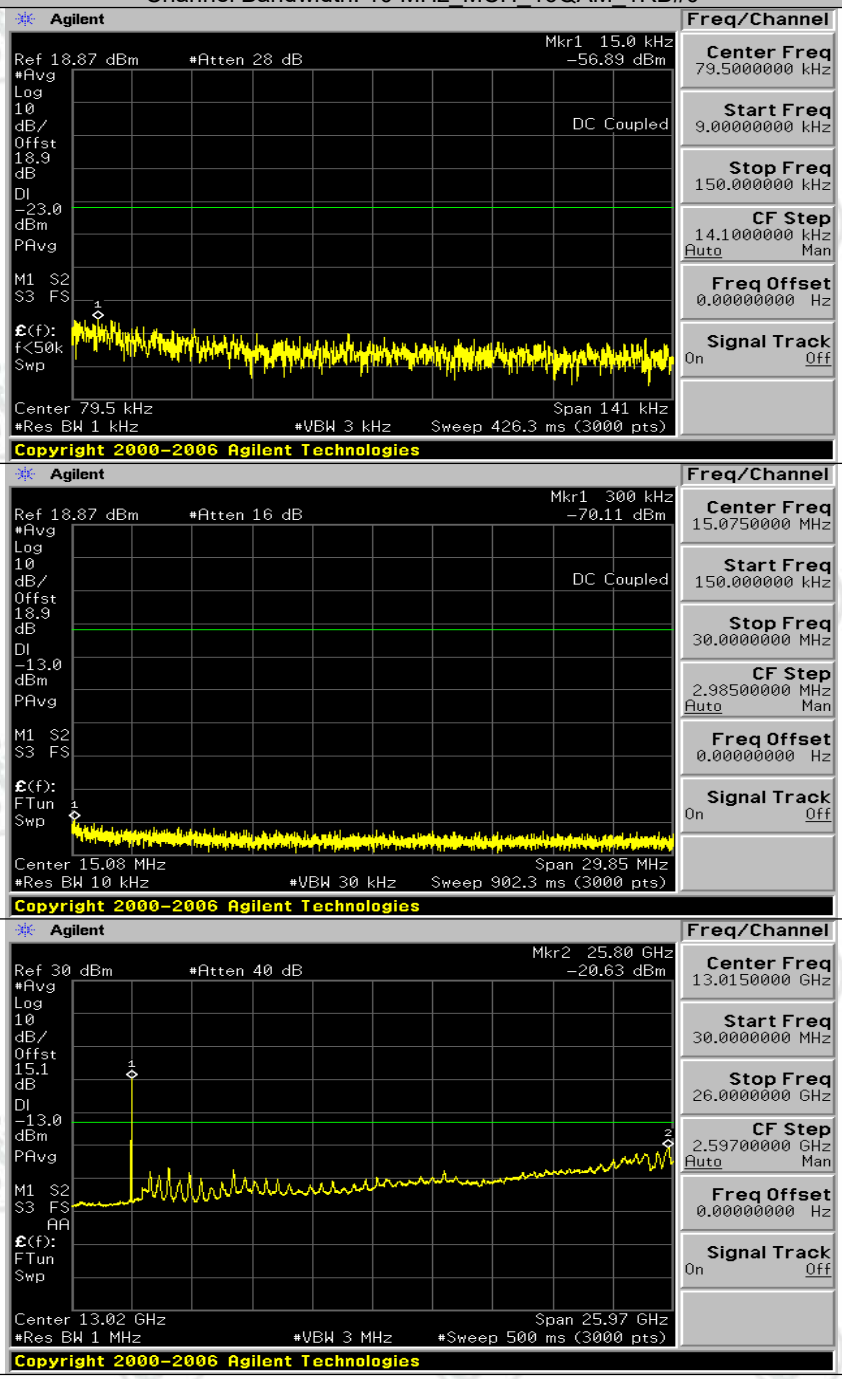


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24




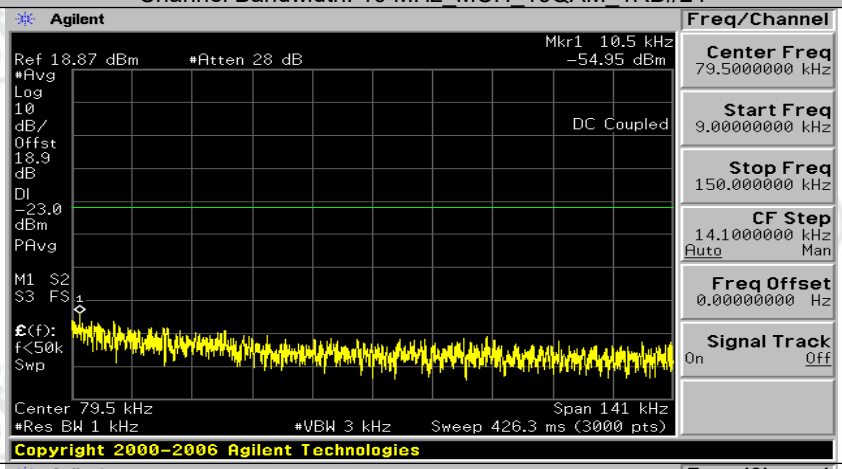
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

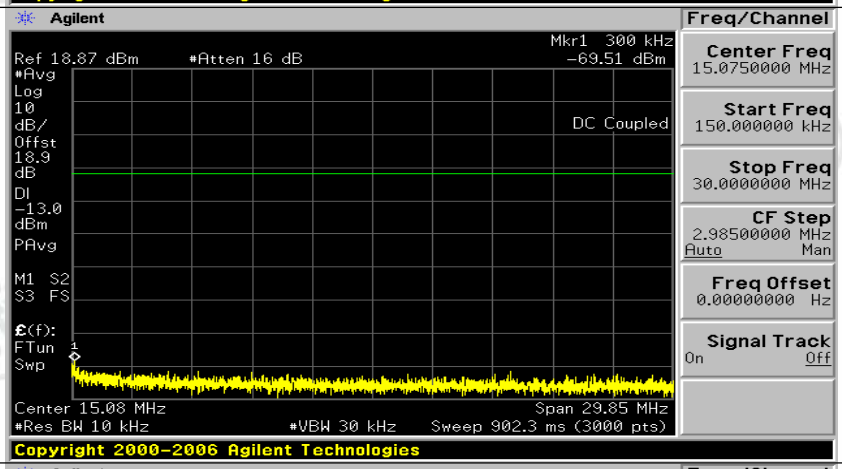


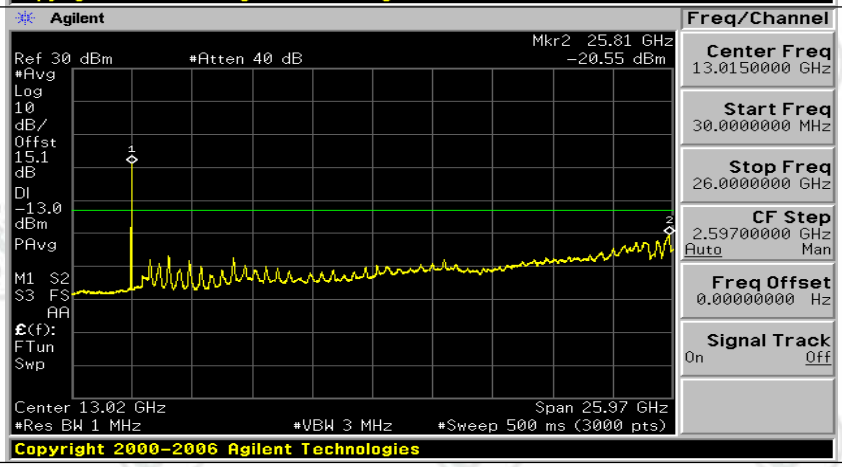
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

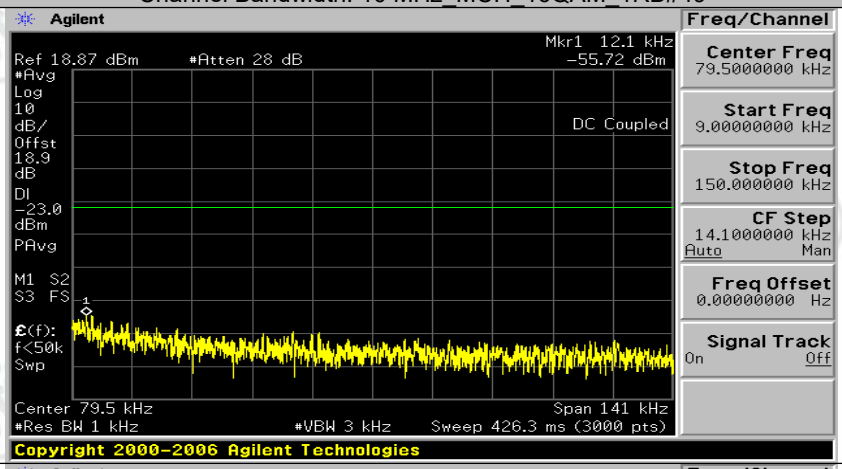
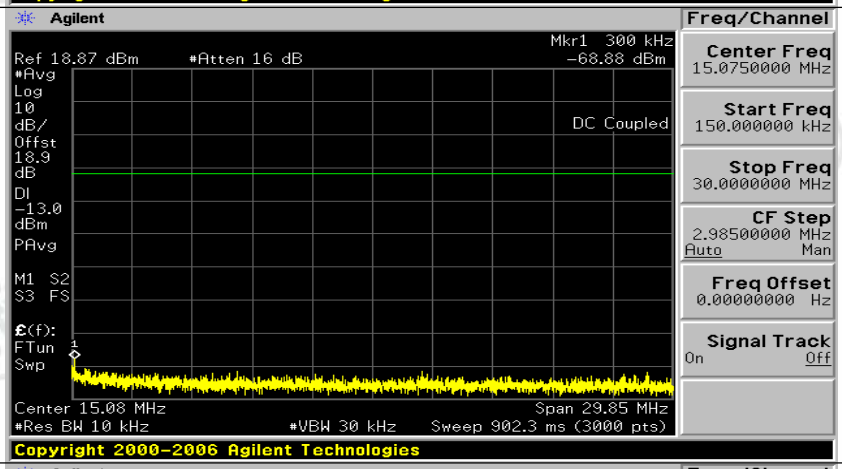
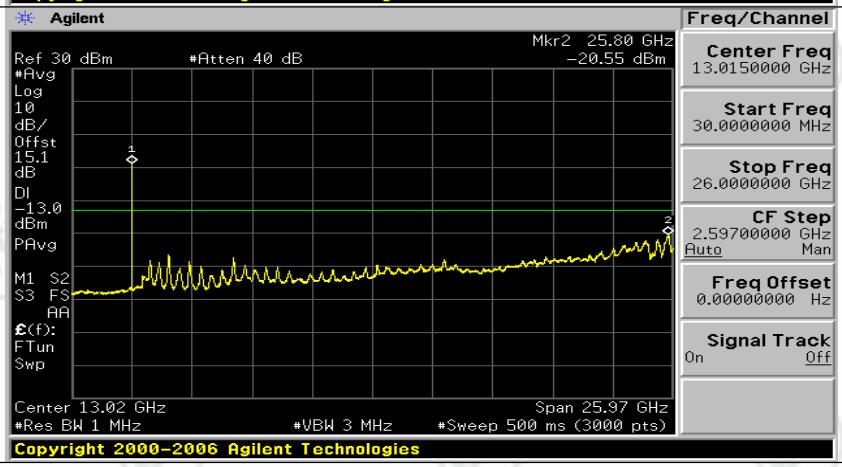


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

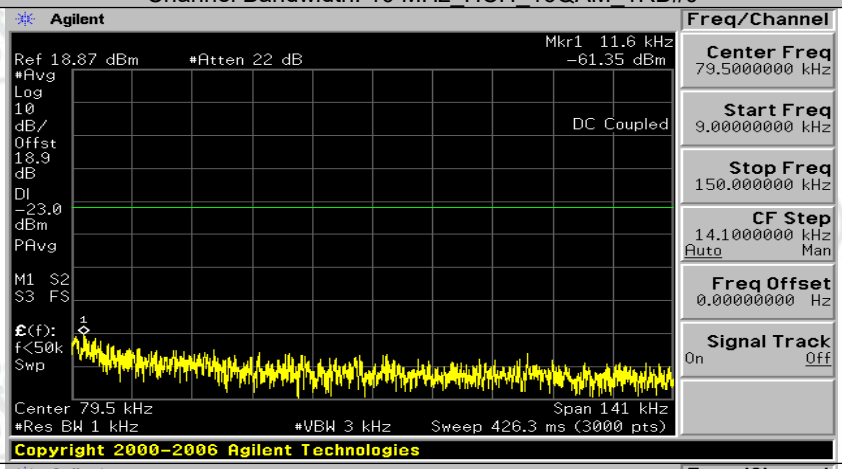


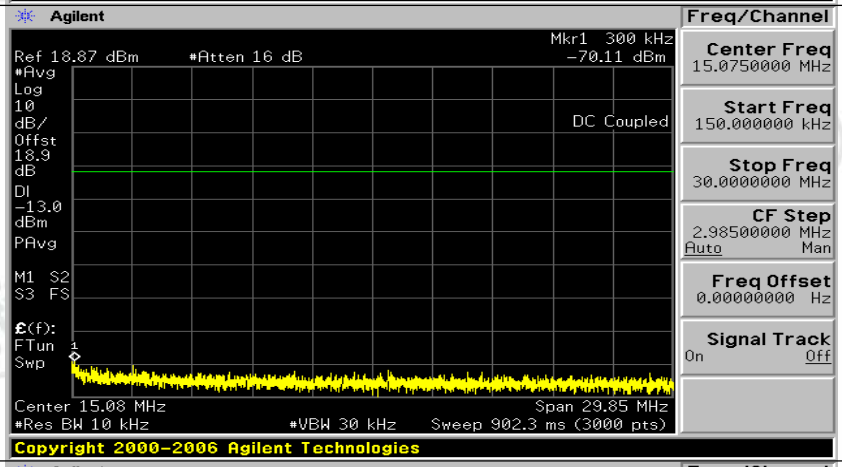


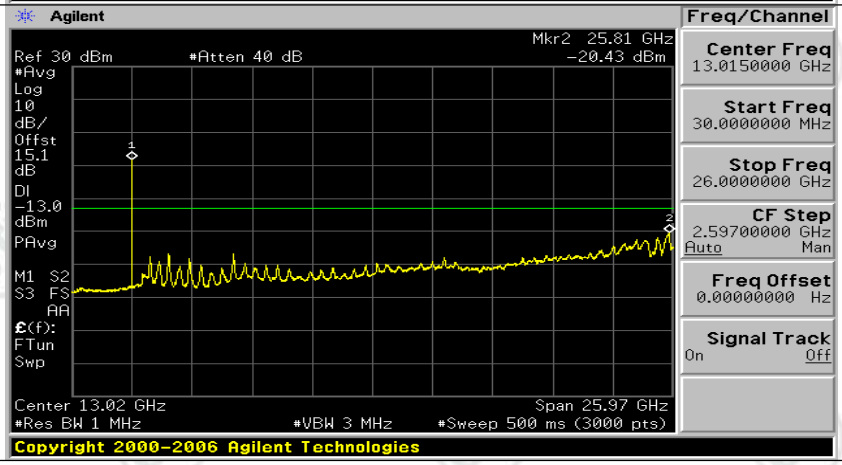


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49




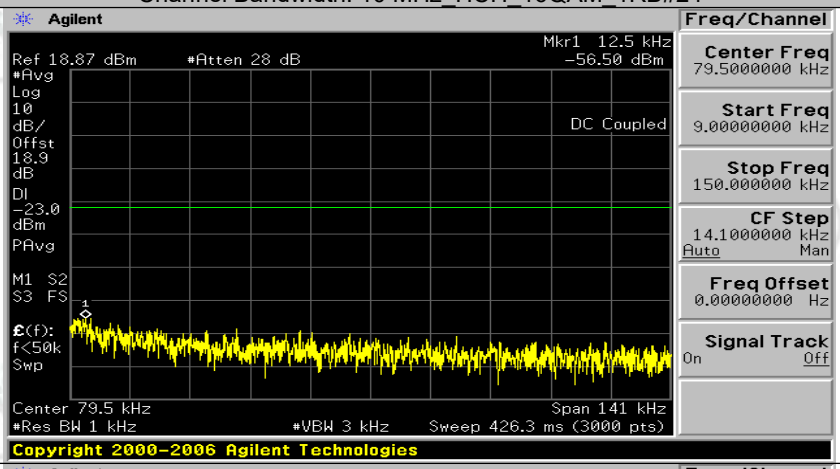
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

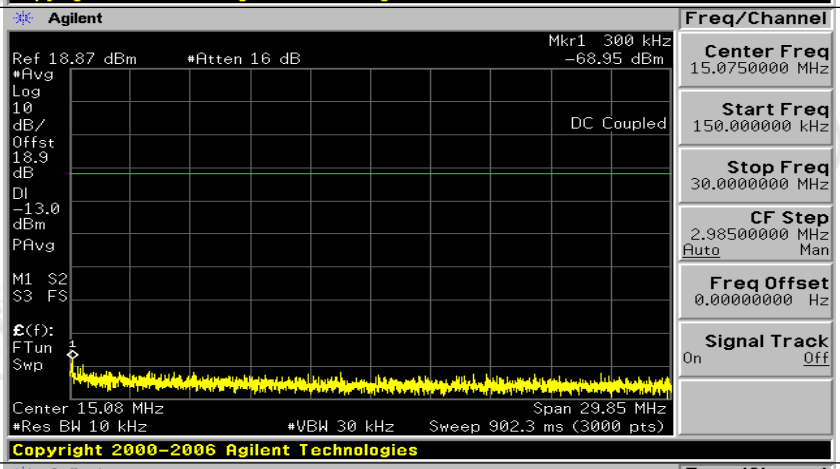


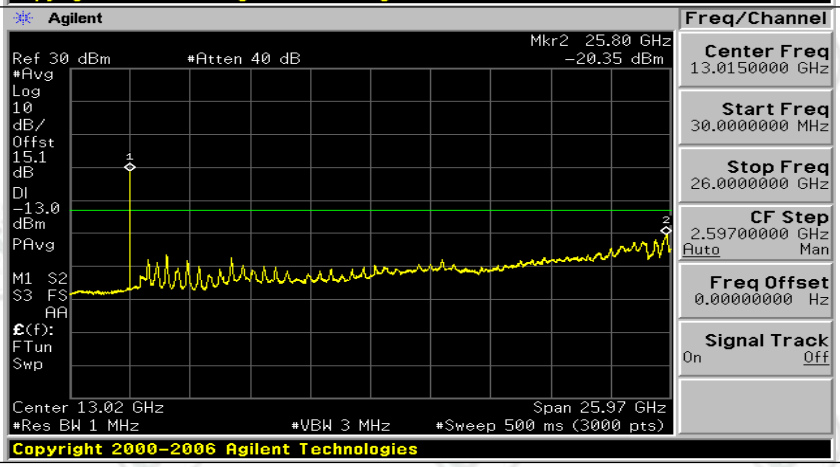




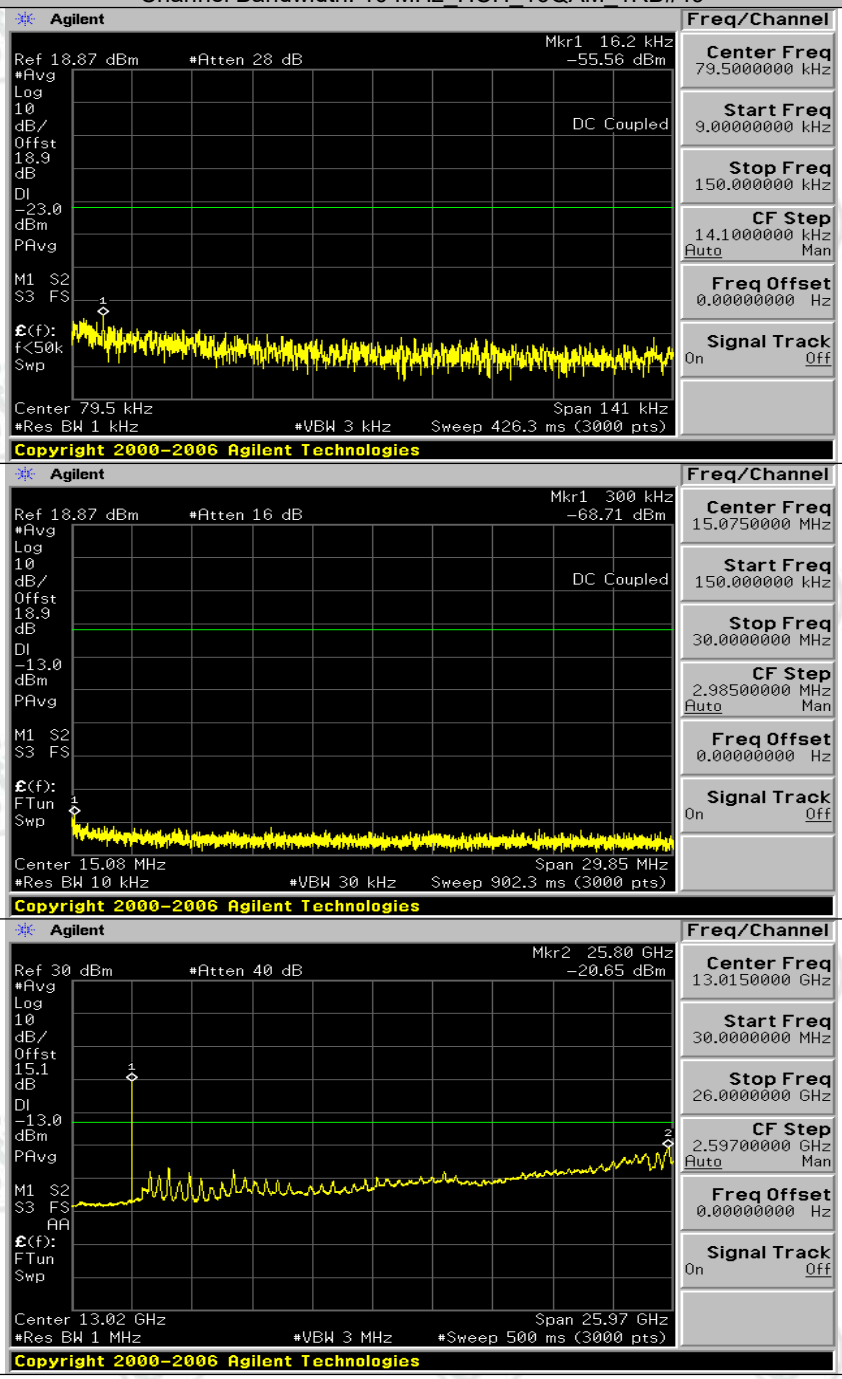
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





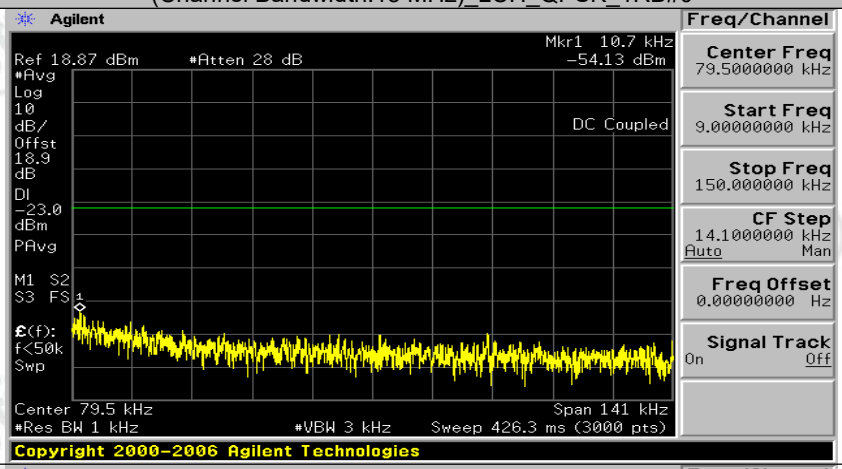


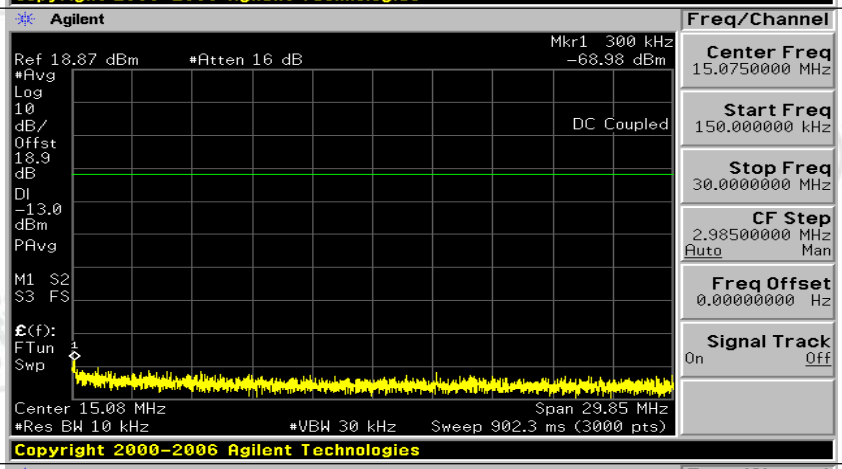
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

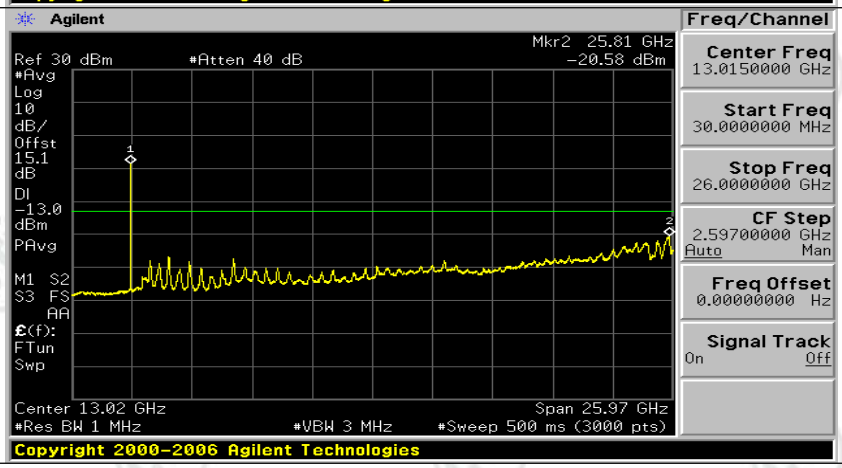


Channel Bandwidth: 15 MHz

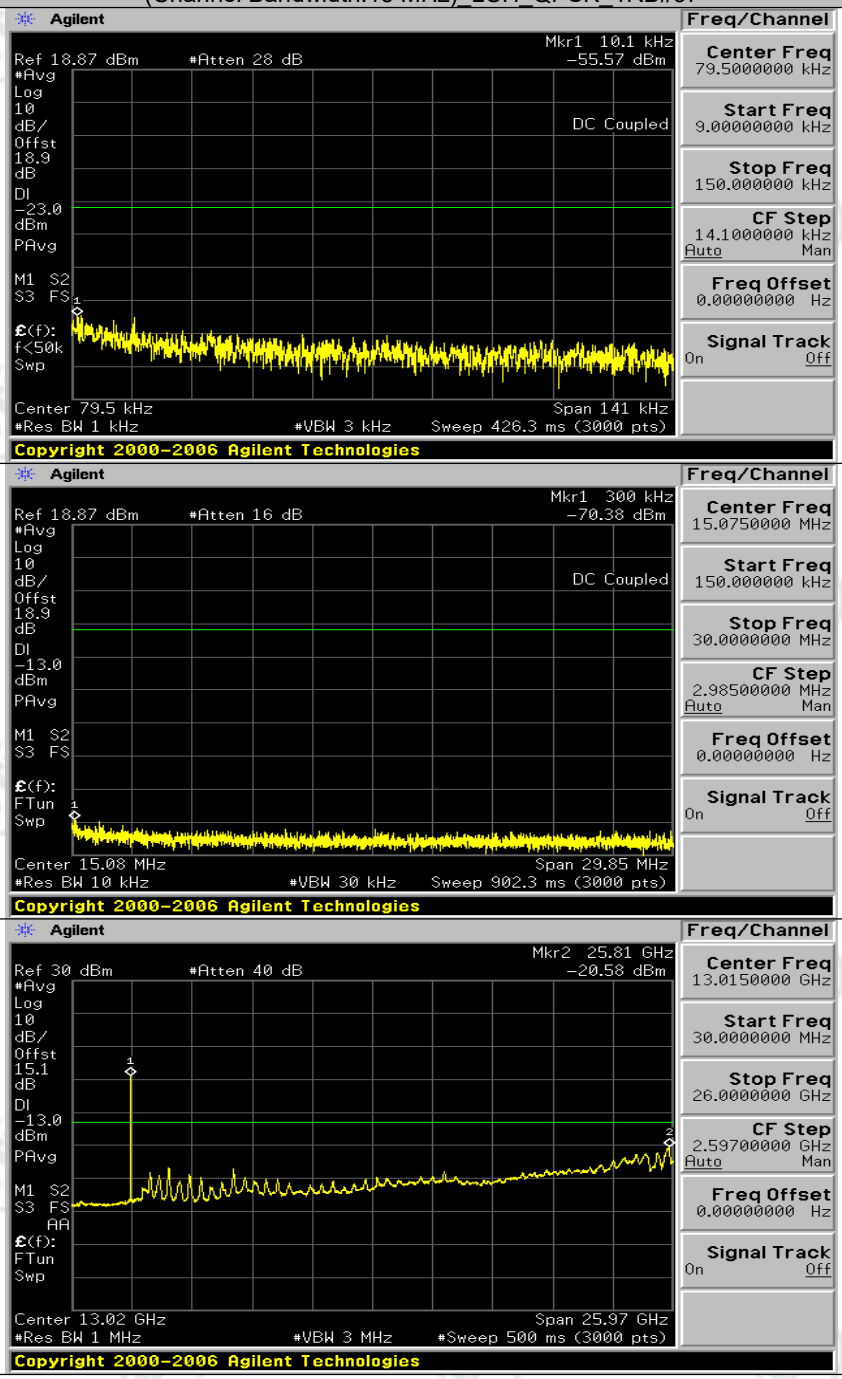
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



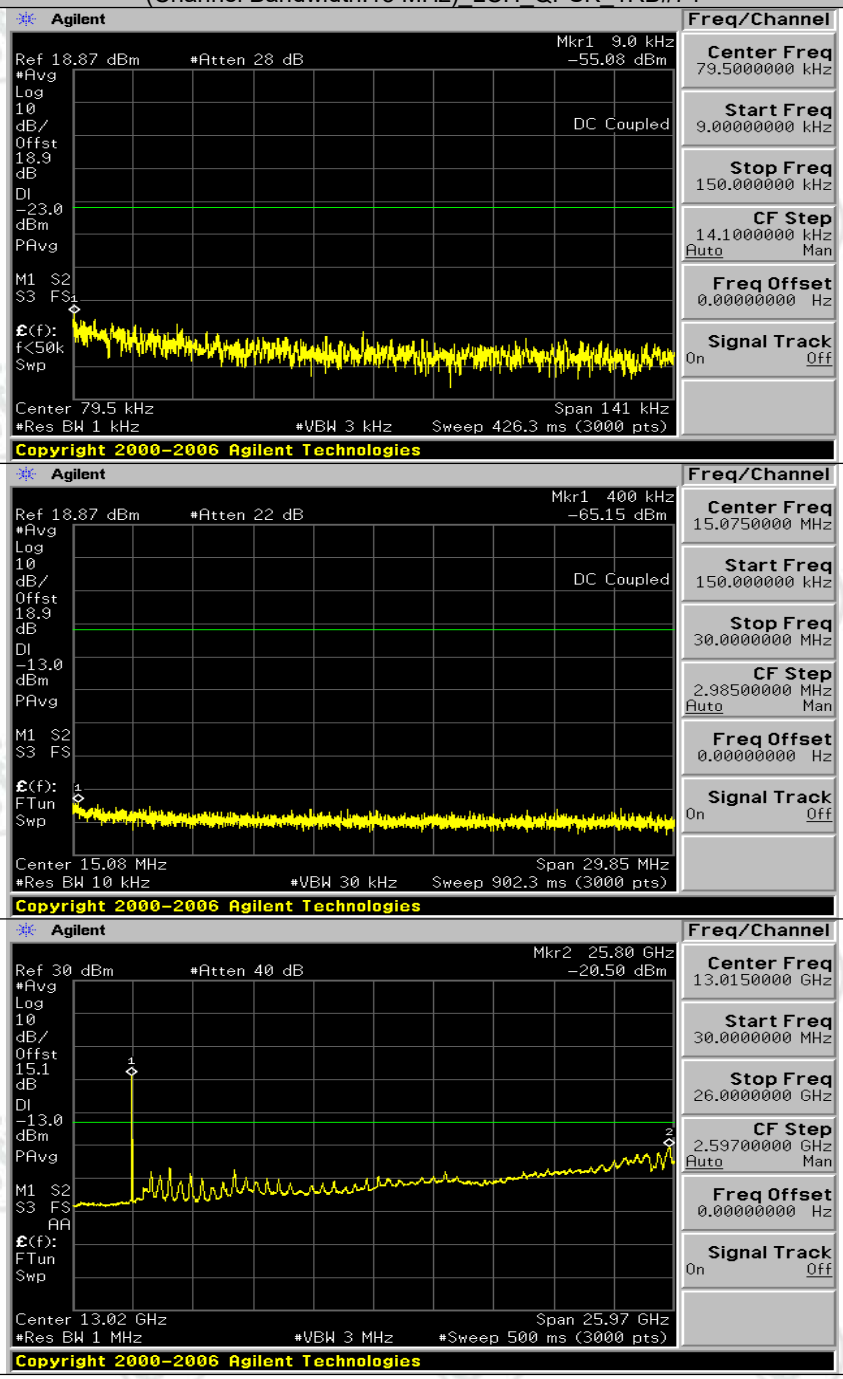




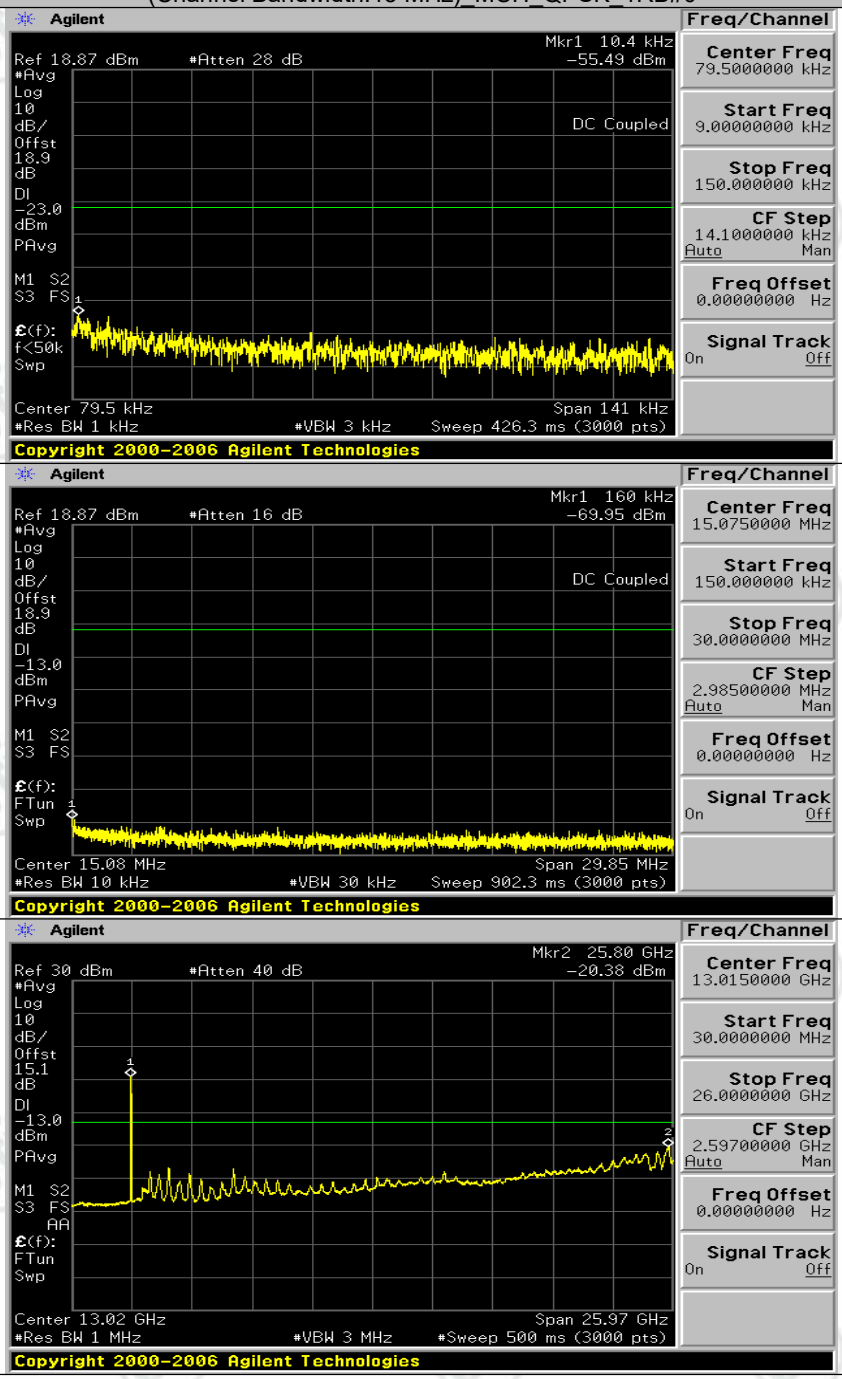
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



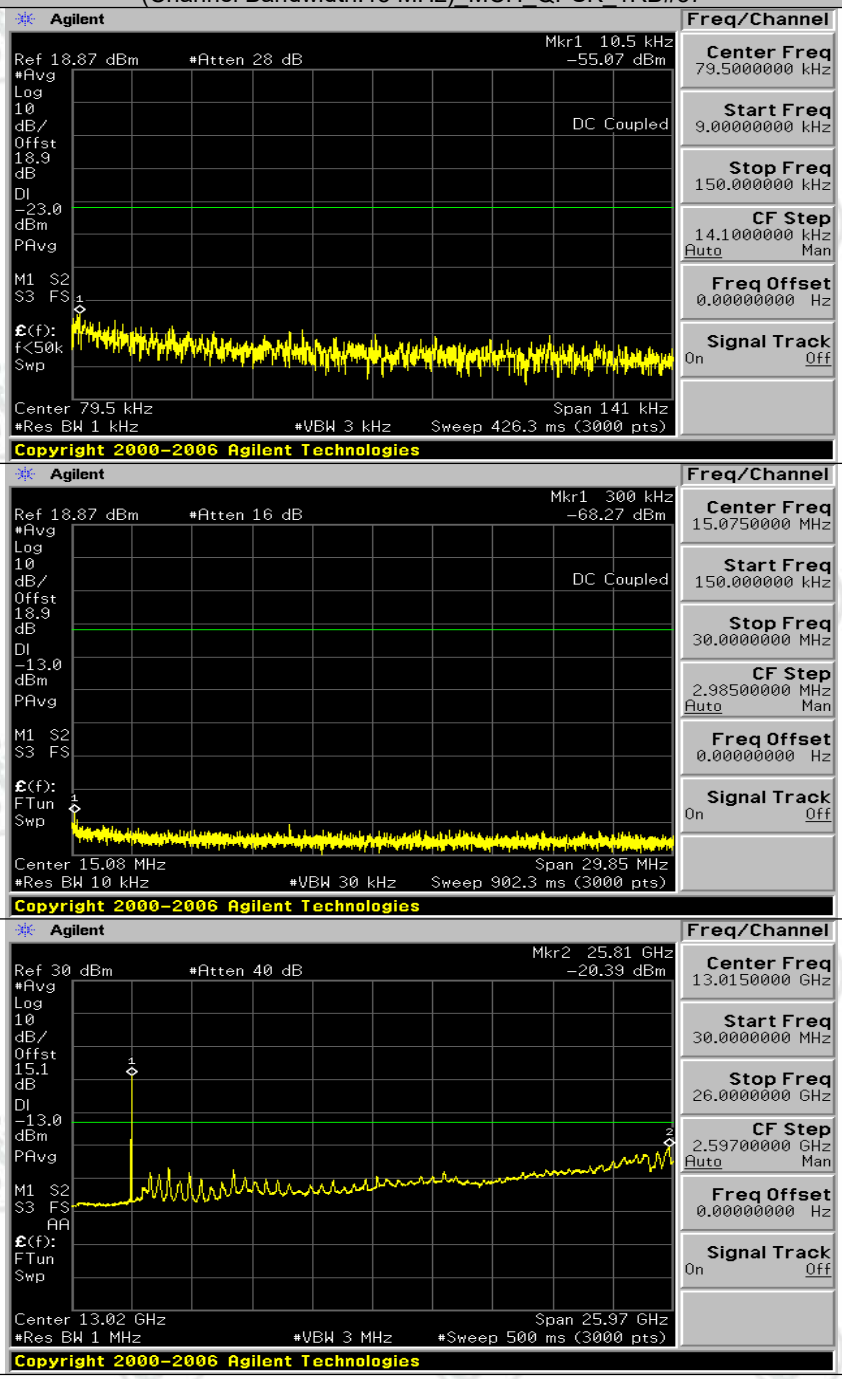
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



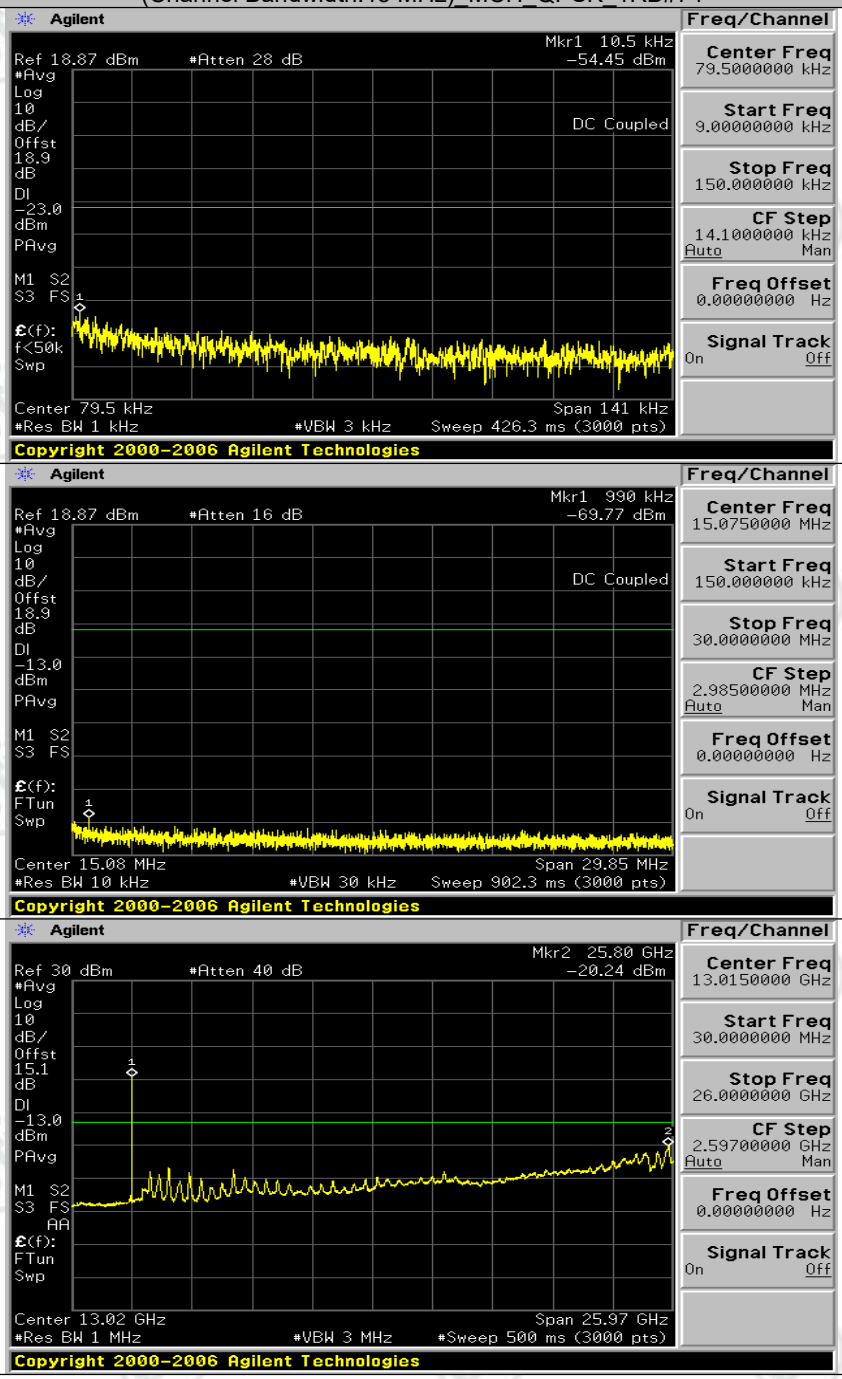
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



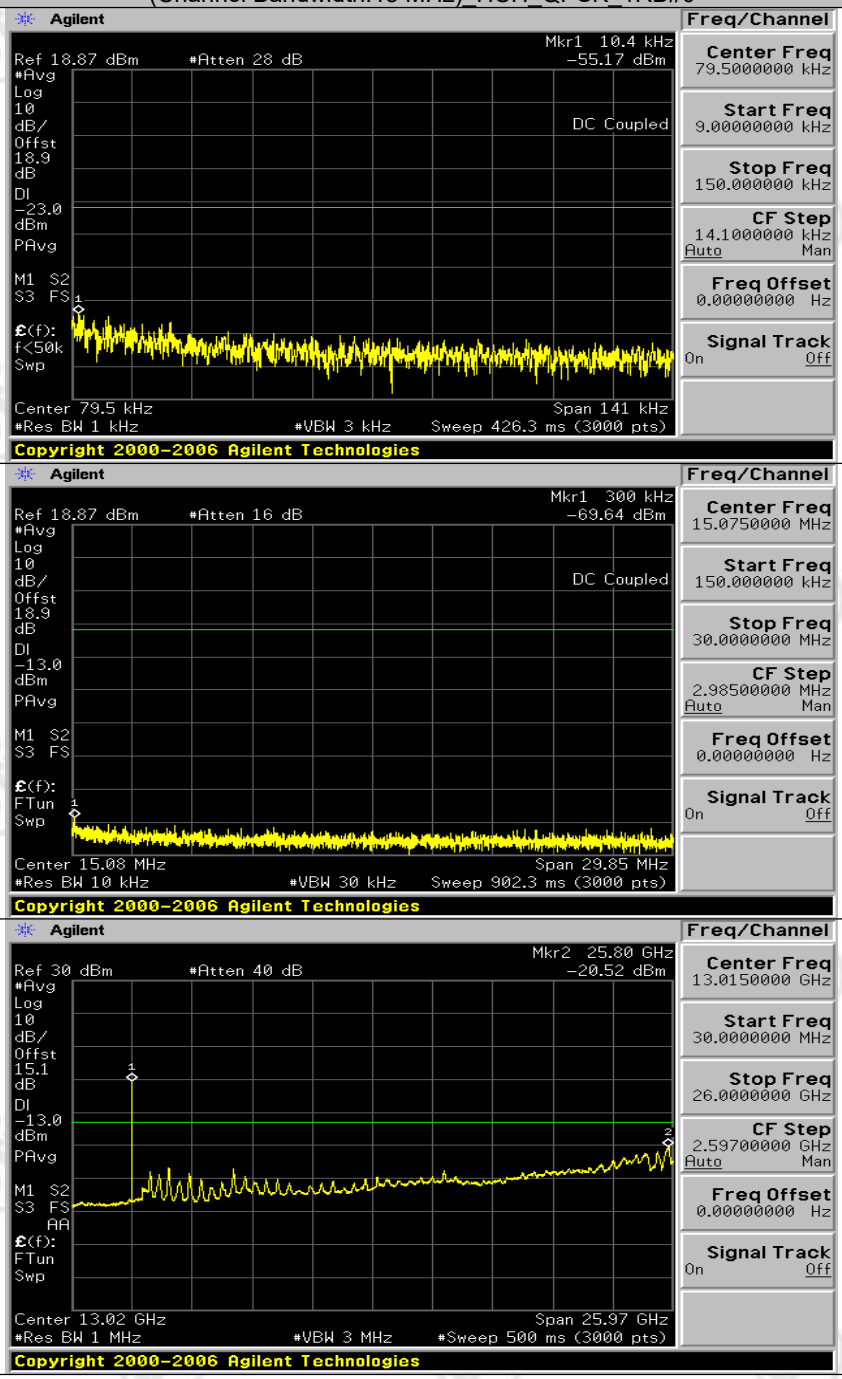
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



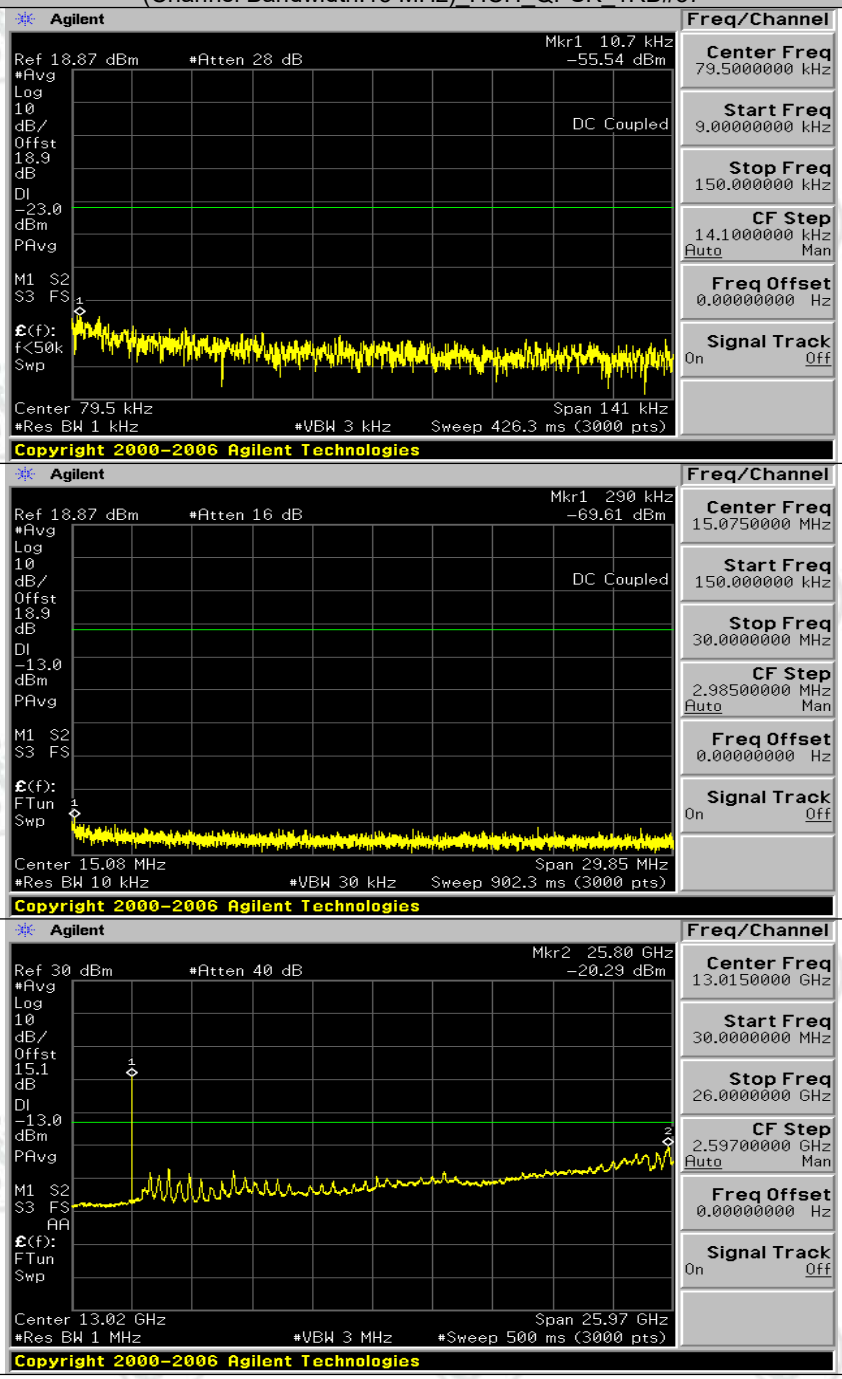
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



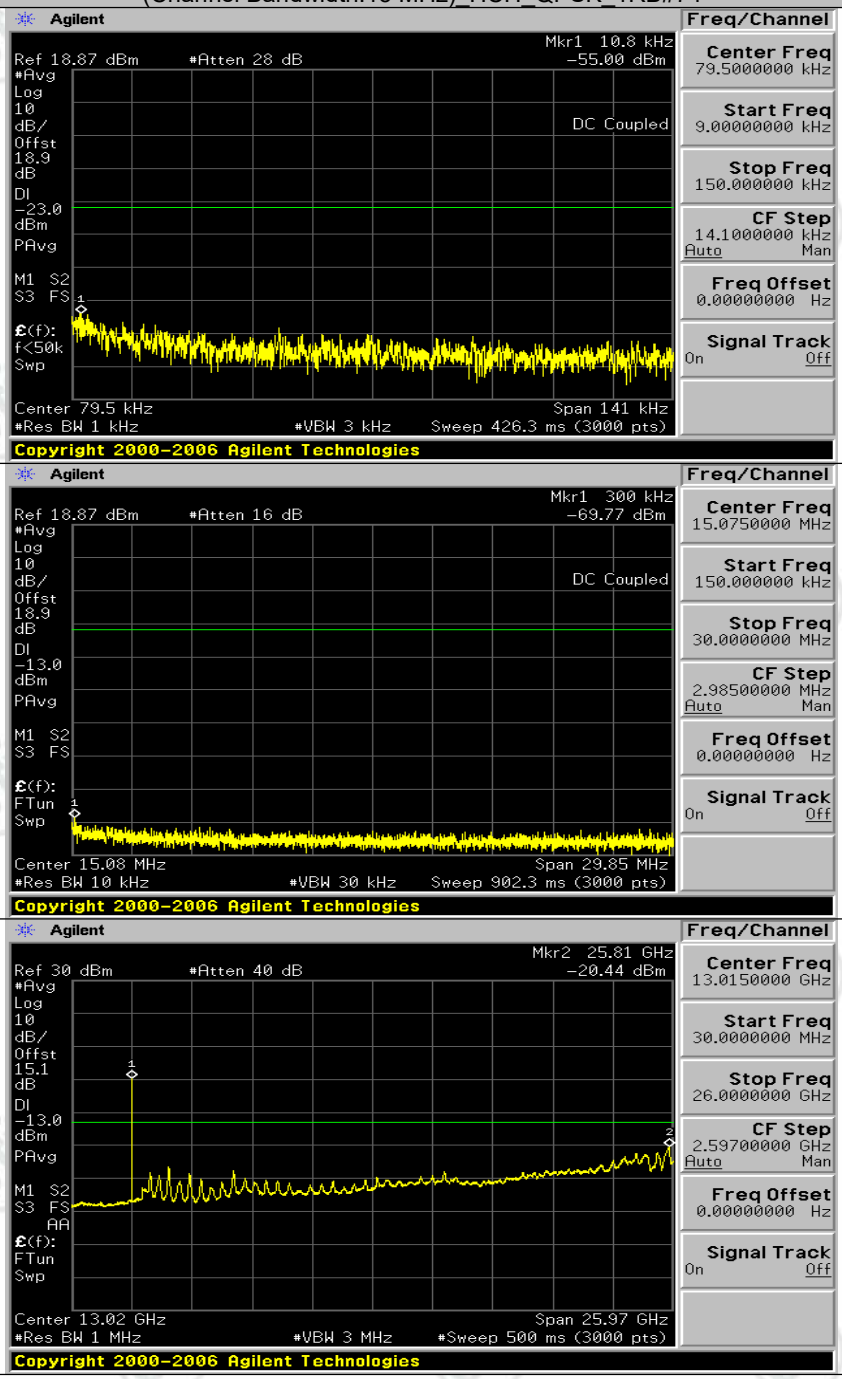
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



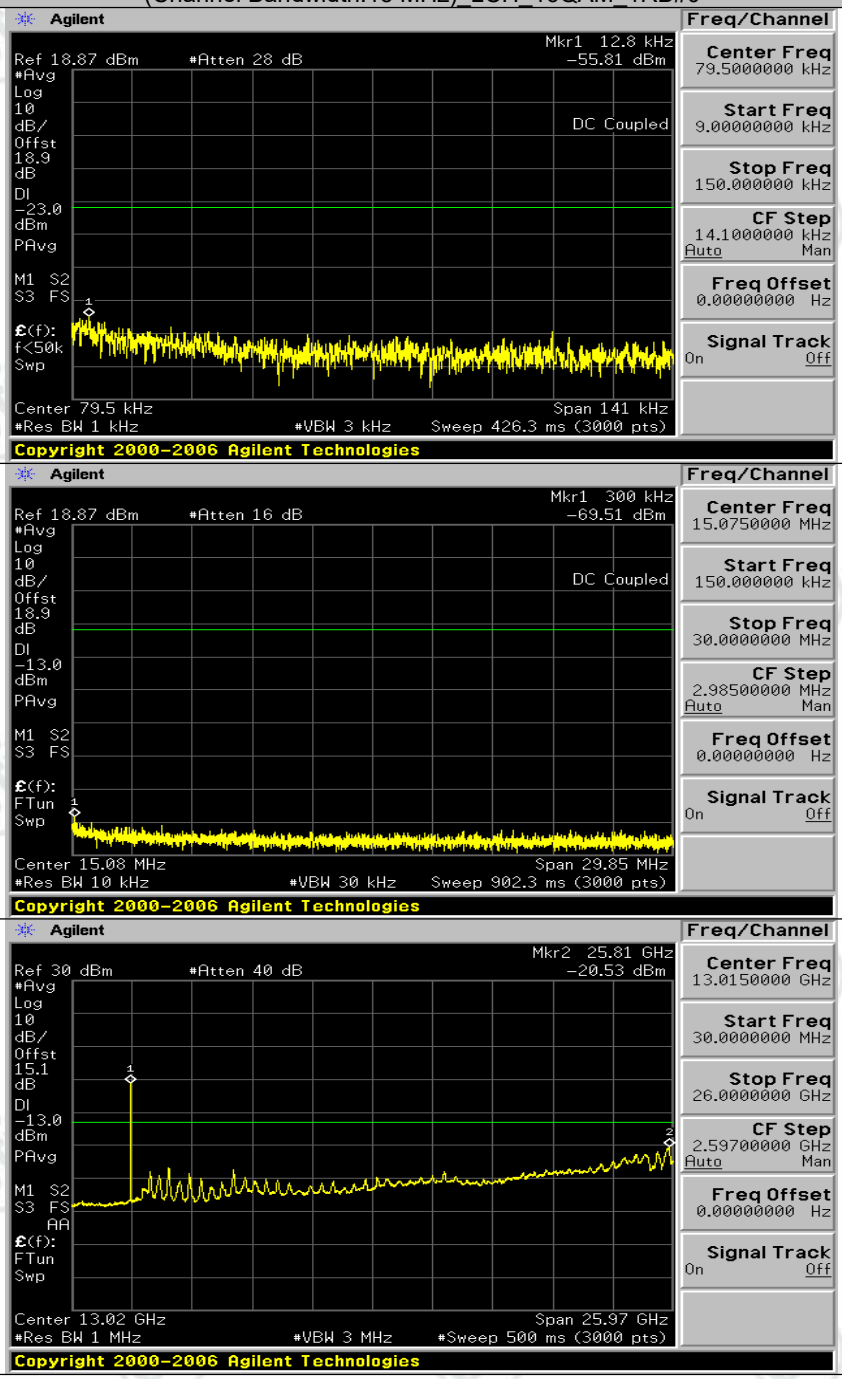
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

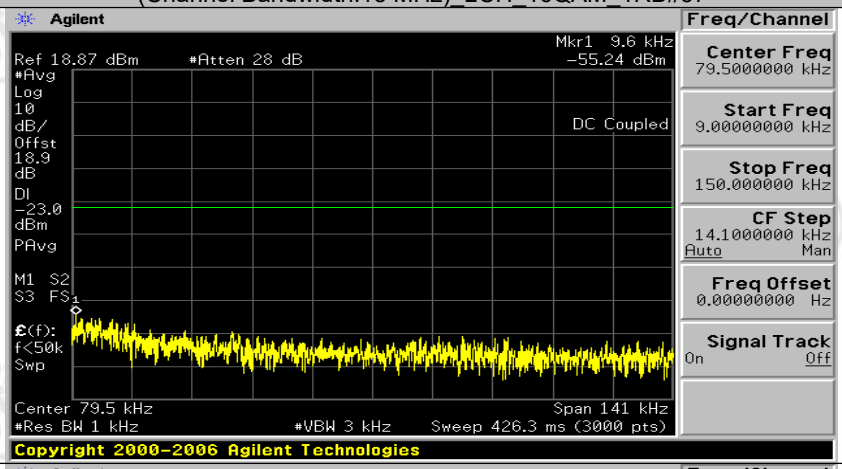
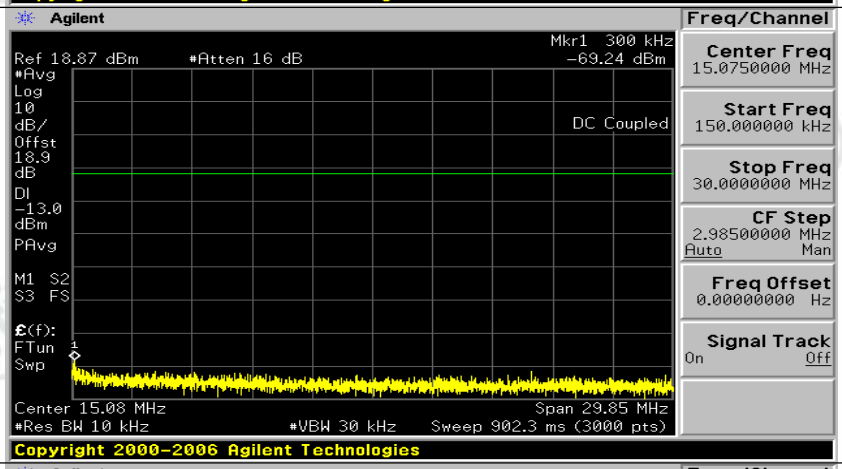
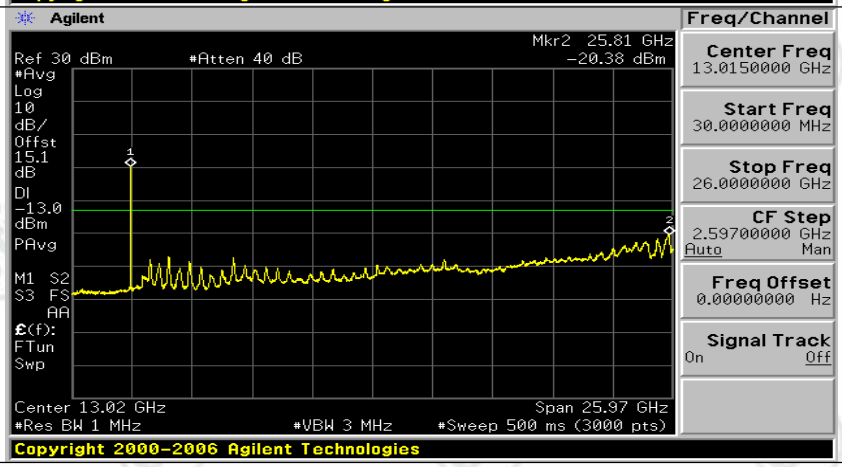


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

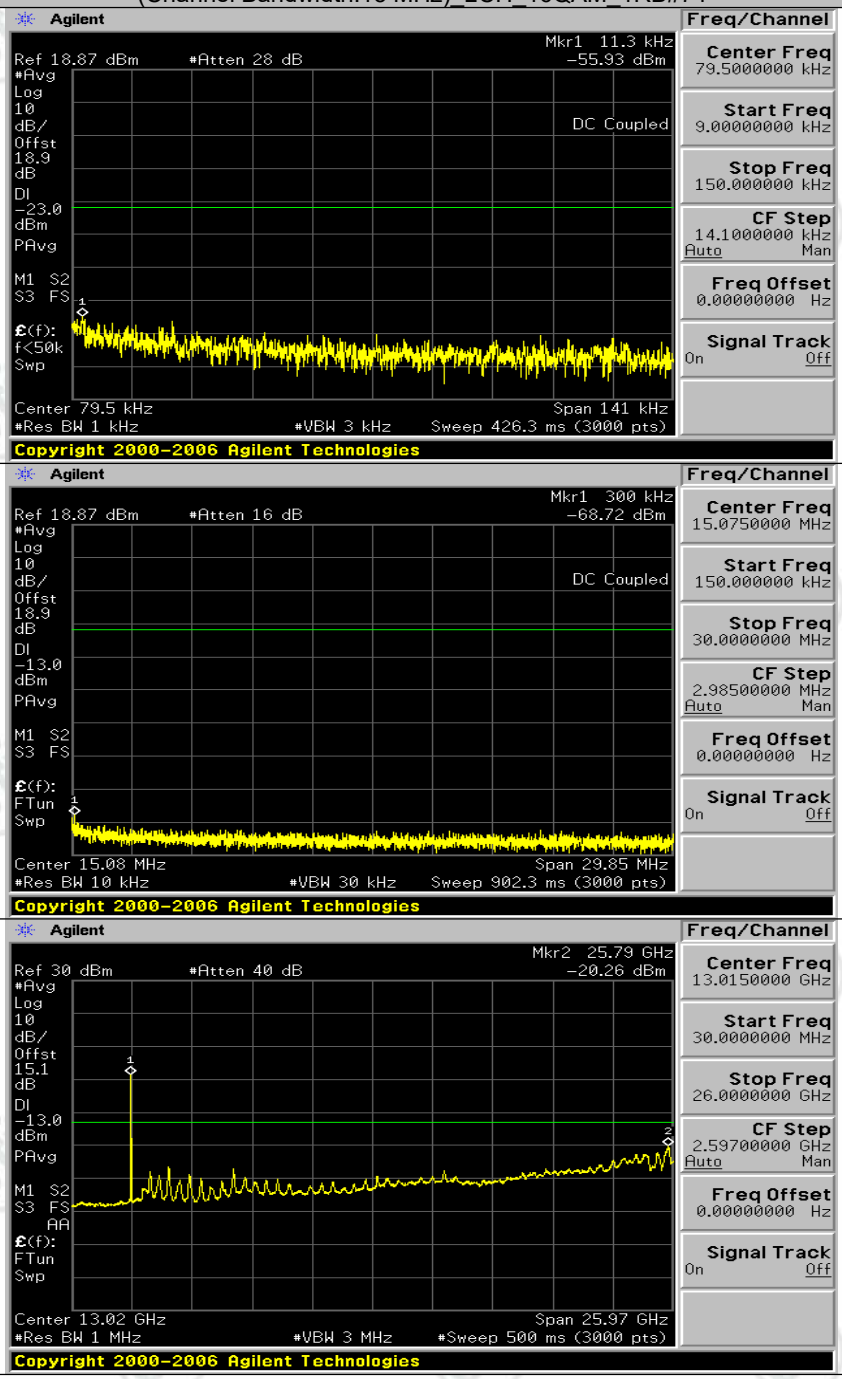


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

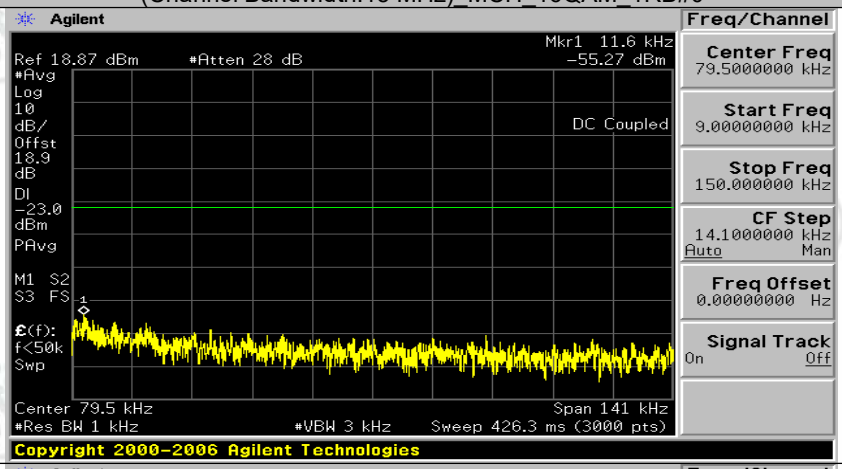


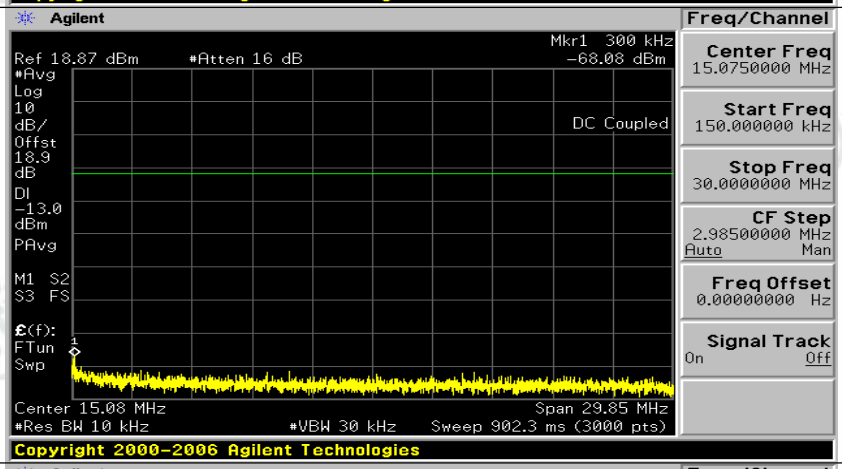
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37




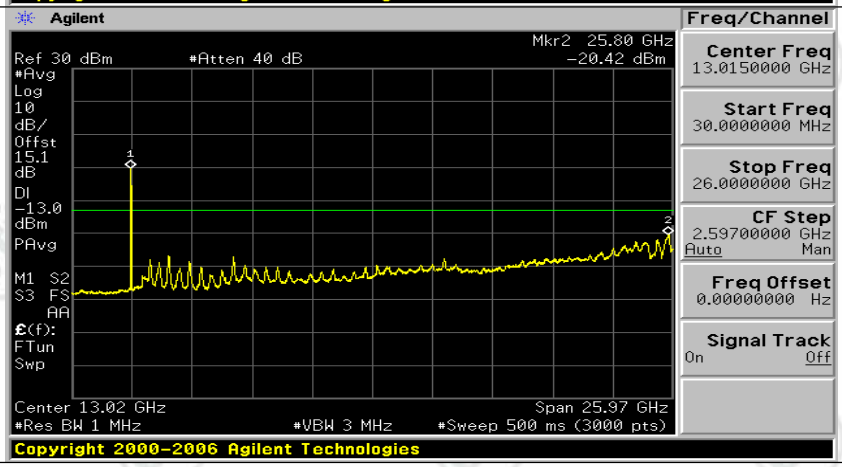
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



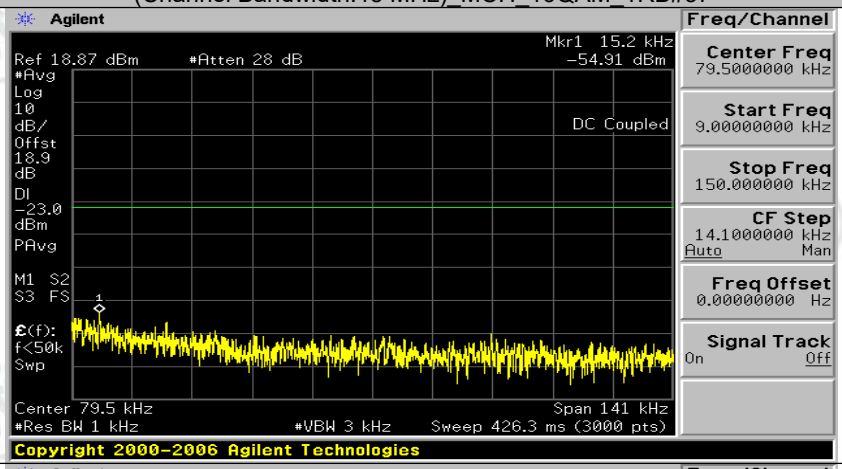
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

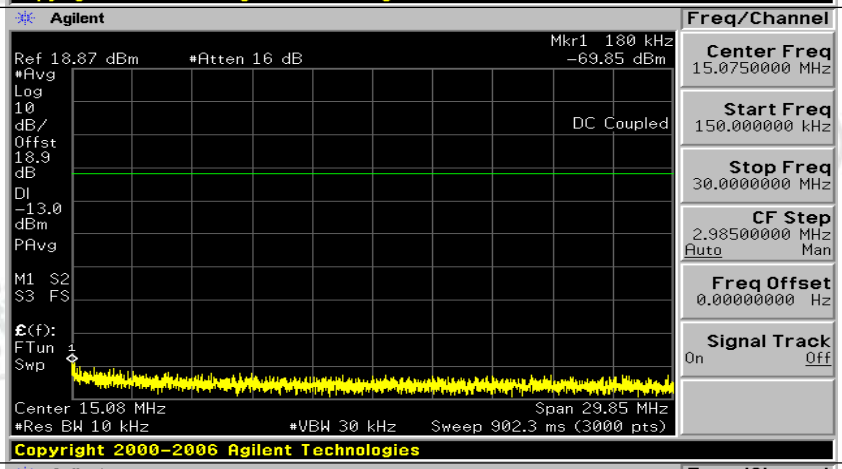


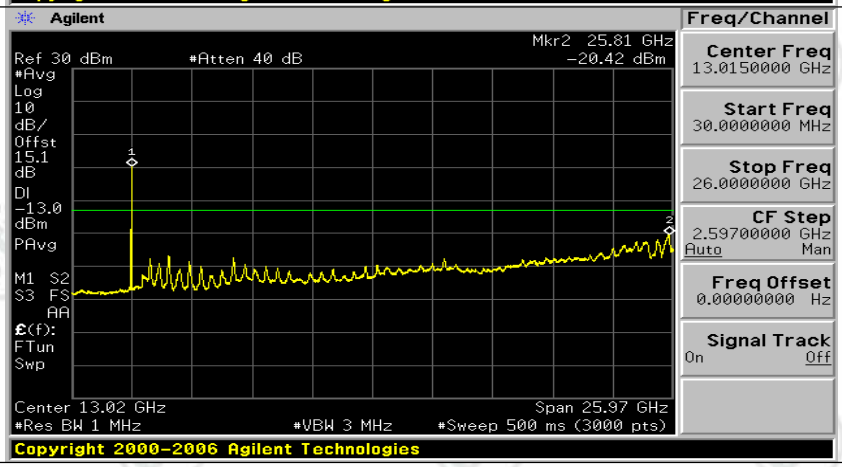




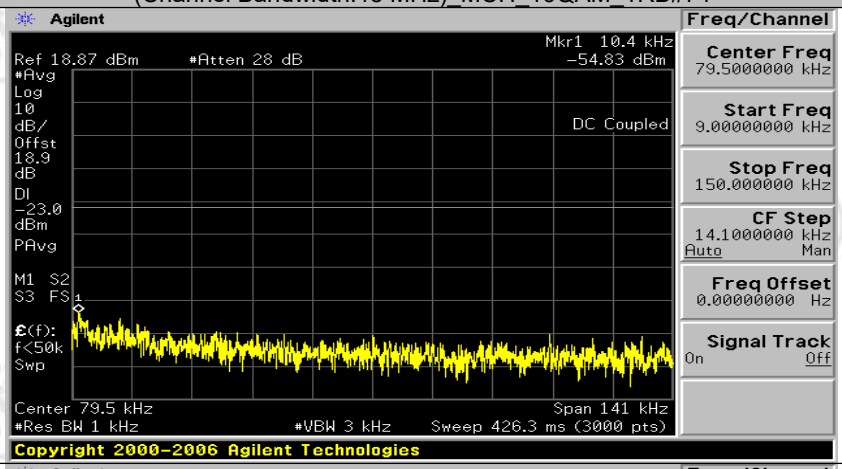
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

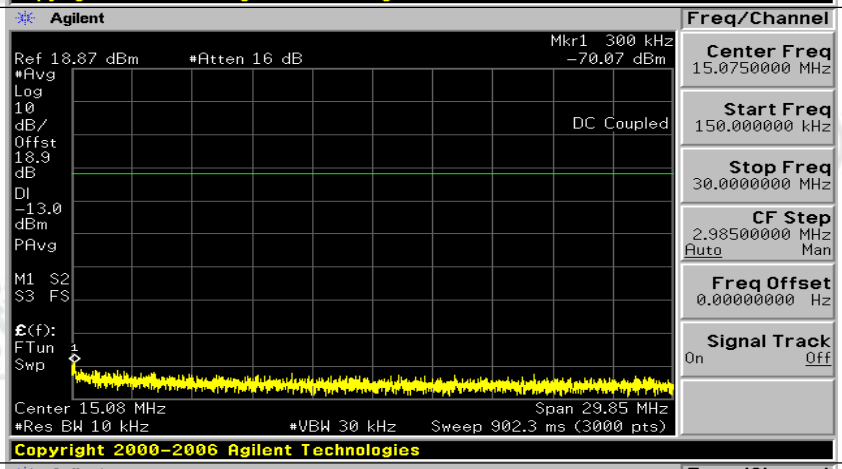


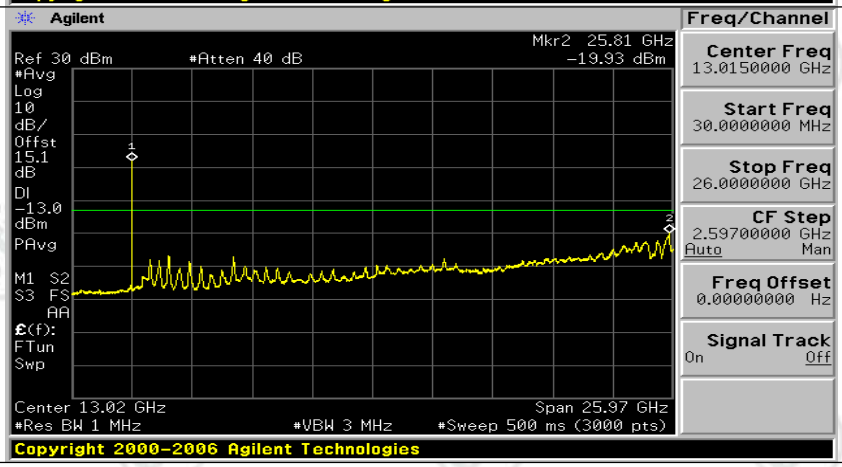




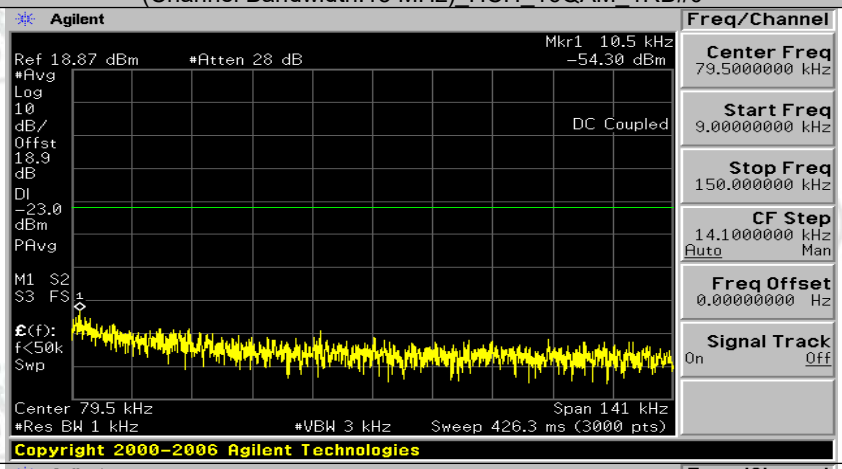
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74

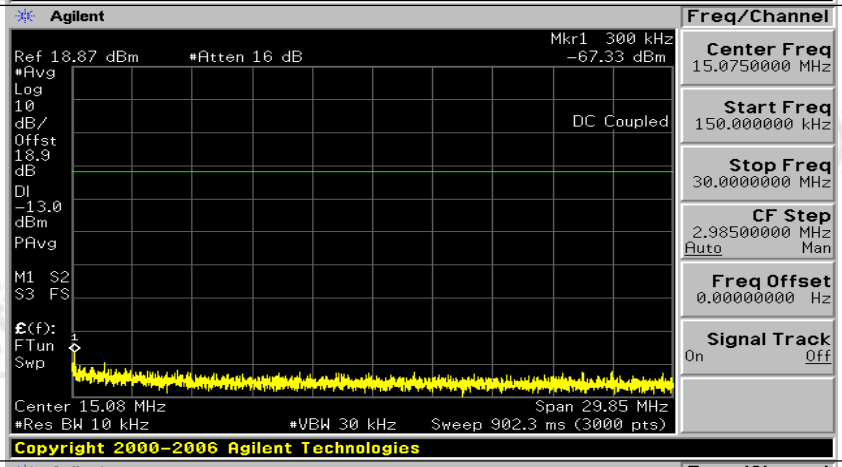


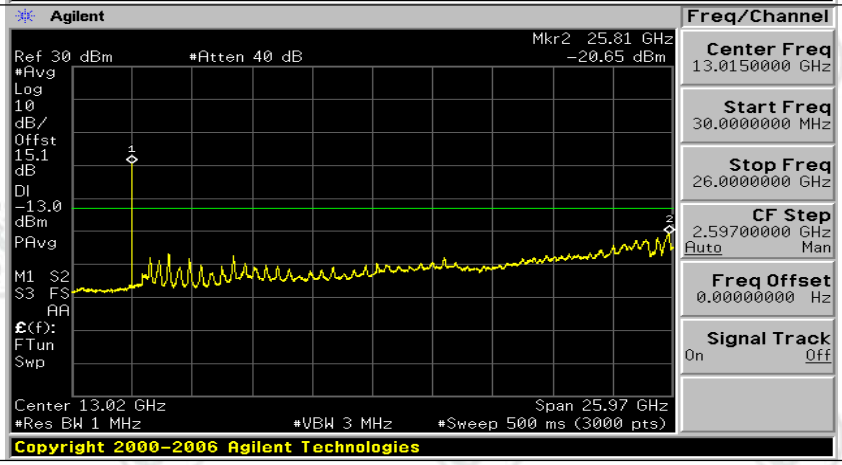




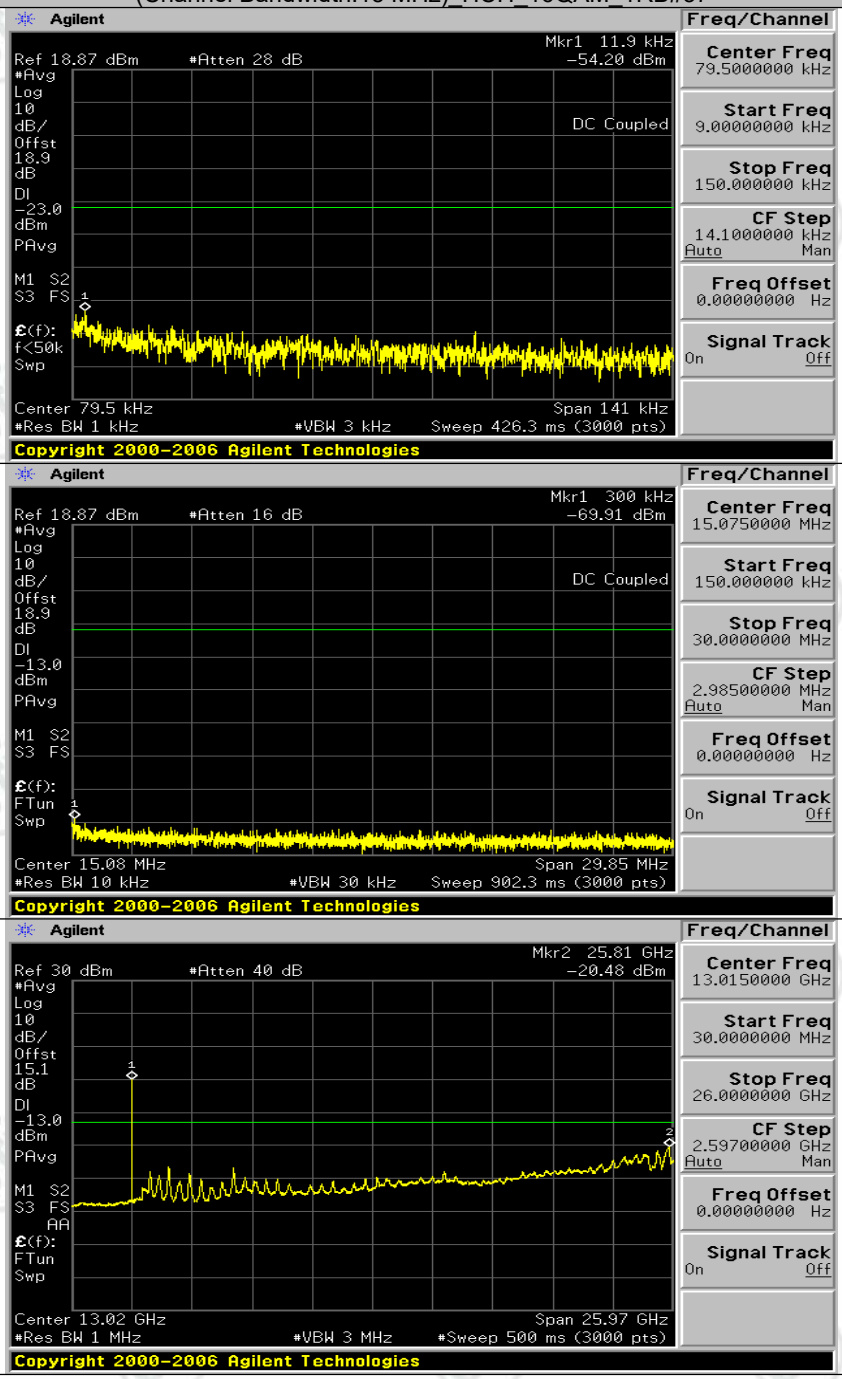
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



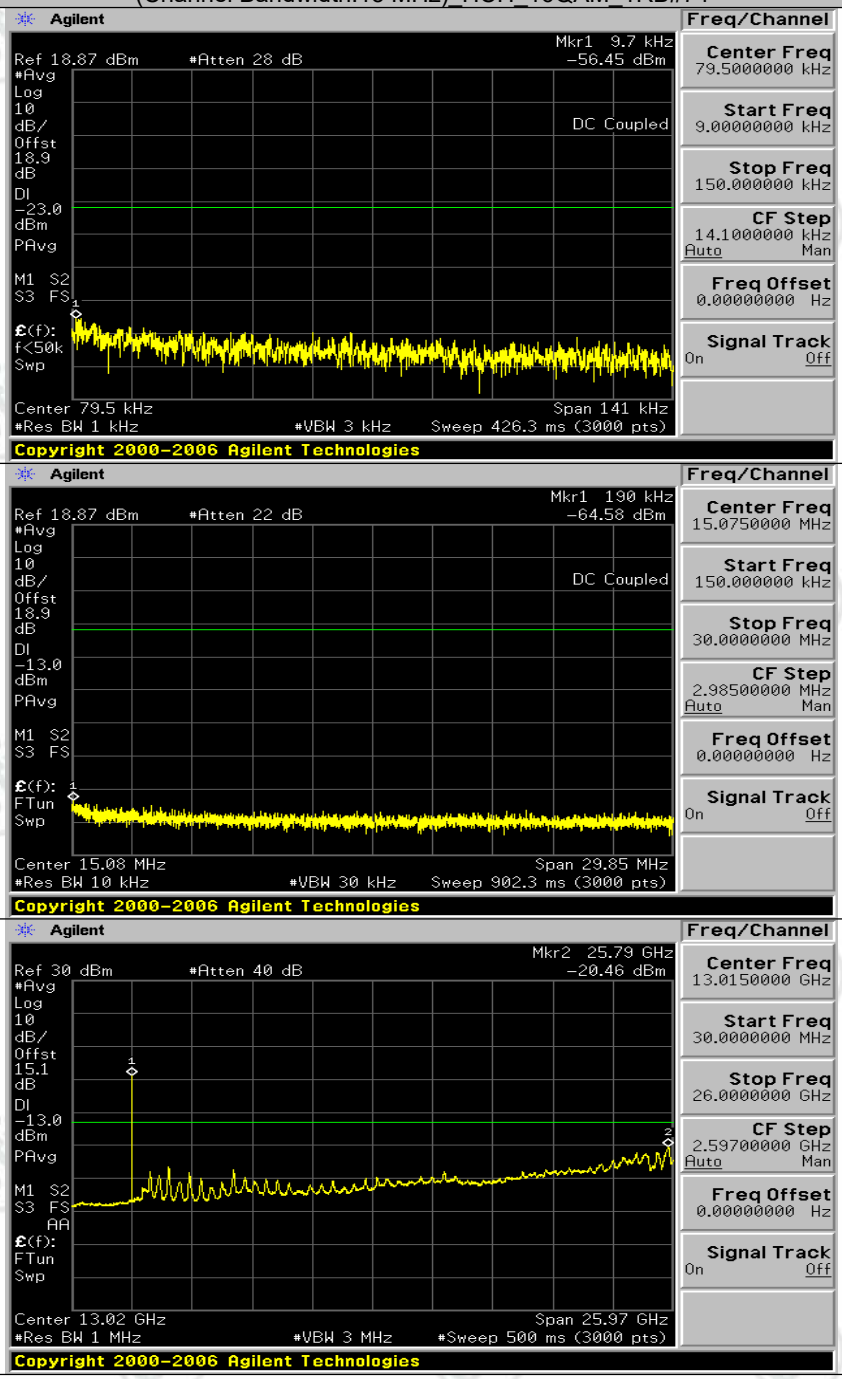




(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

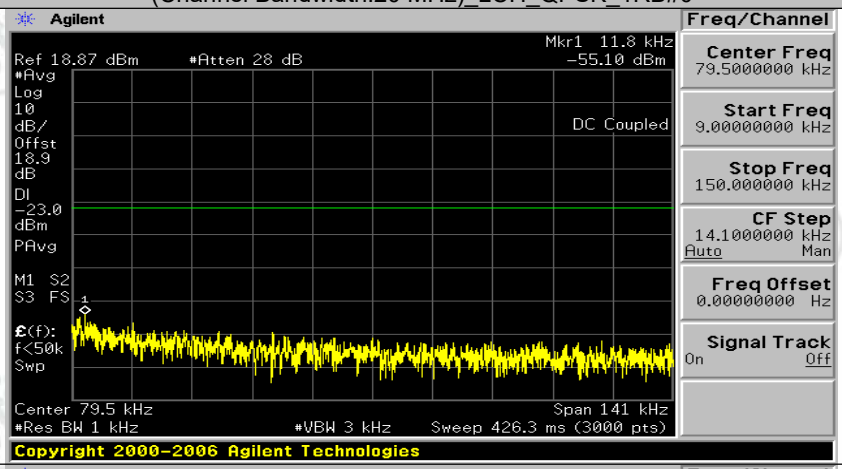


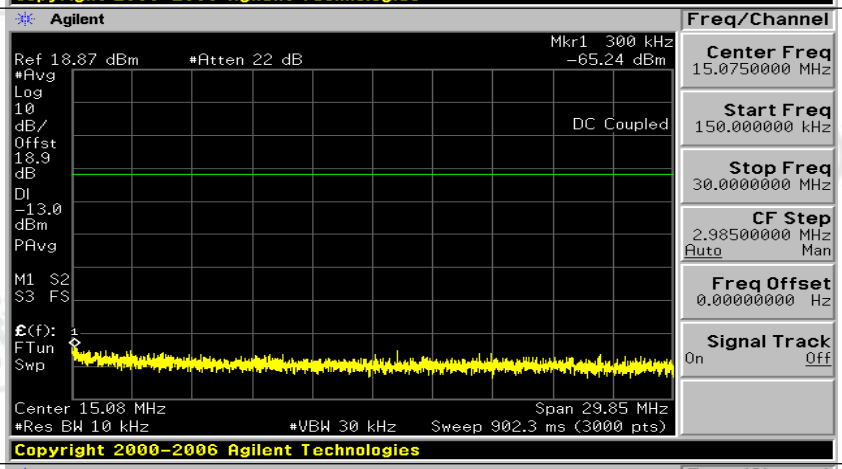
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

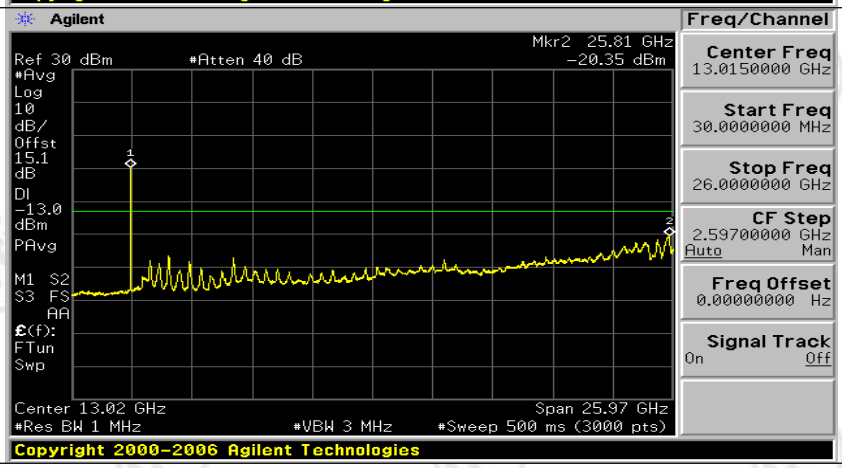


Channel Bandwidth: 20 MHz

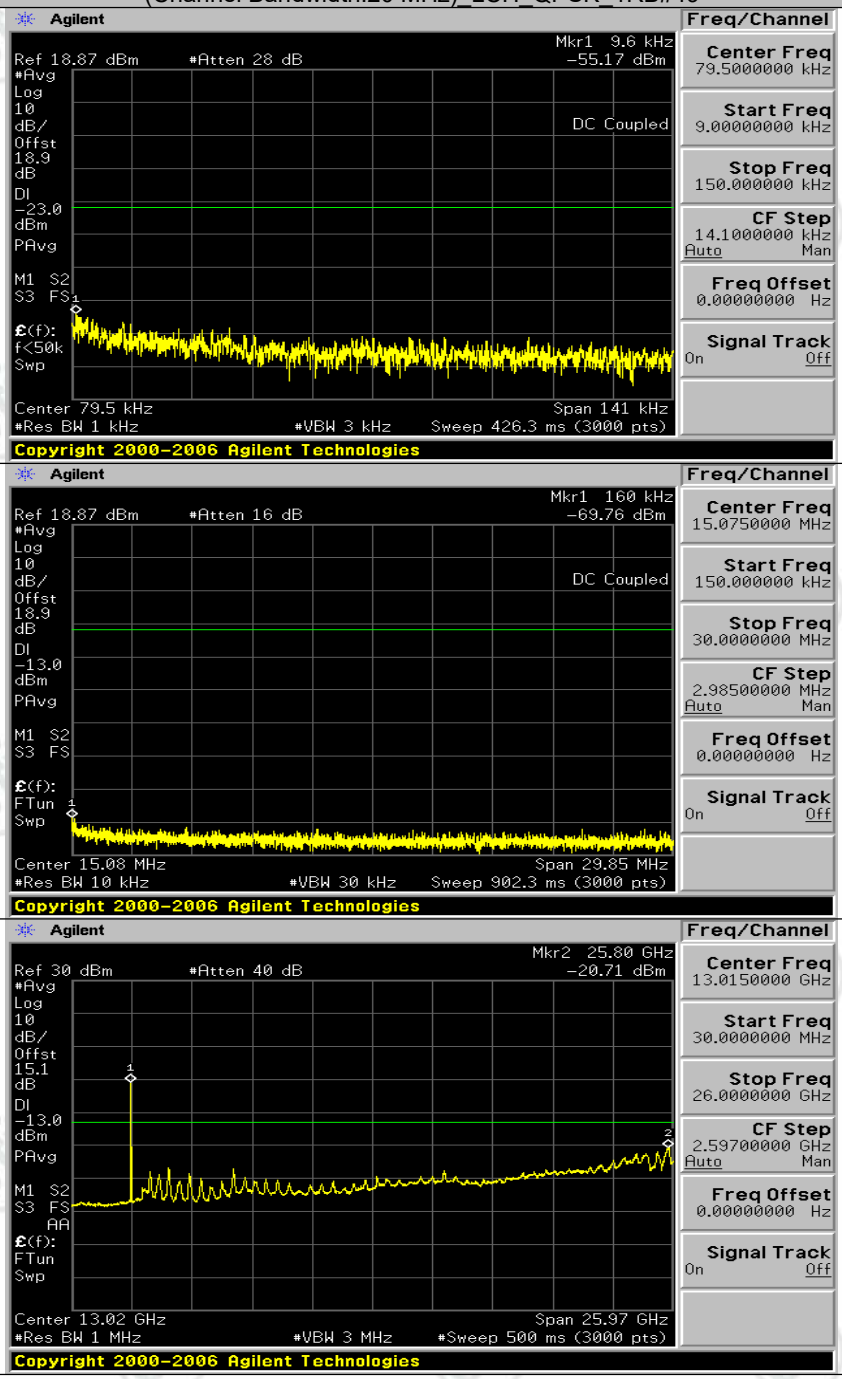
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



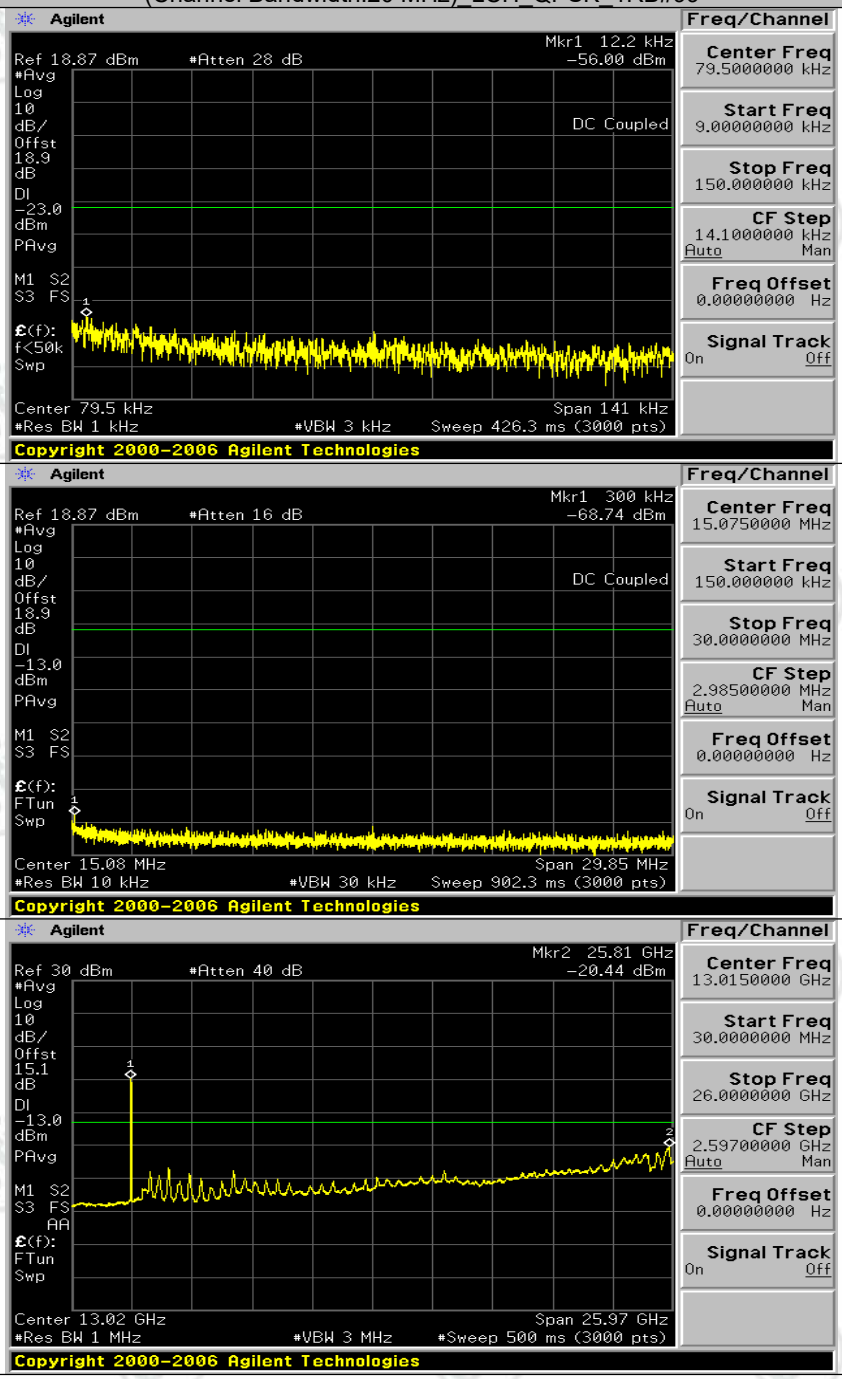




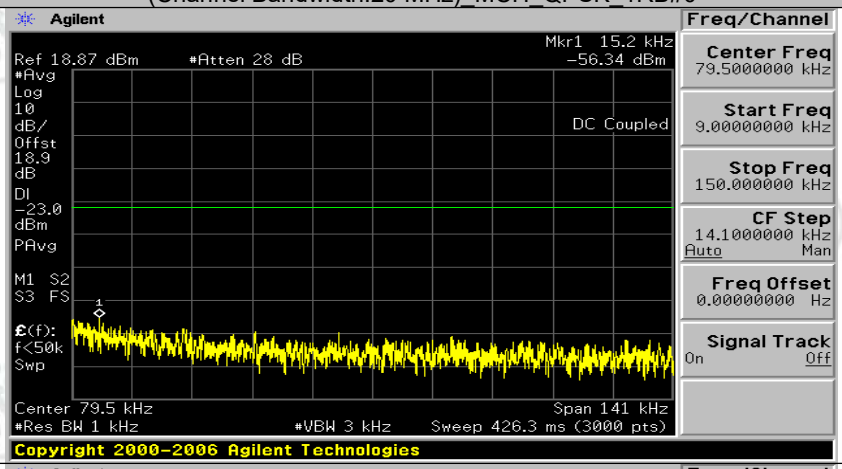
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

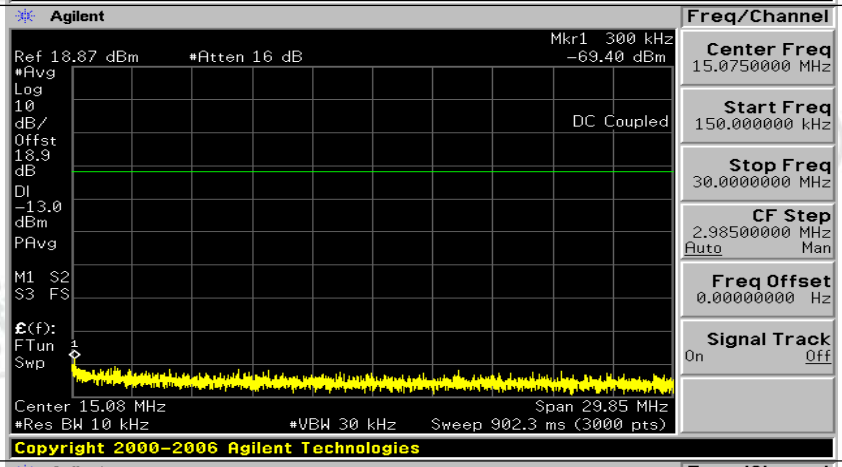


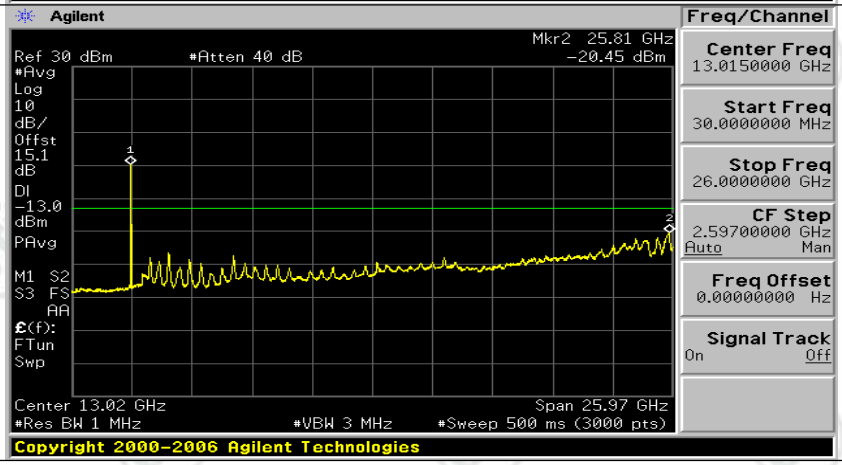
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



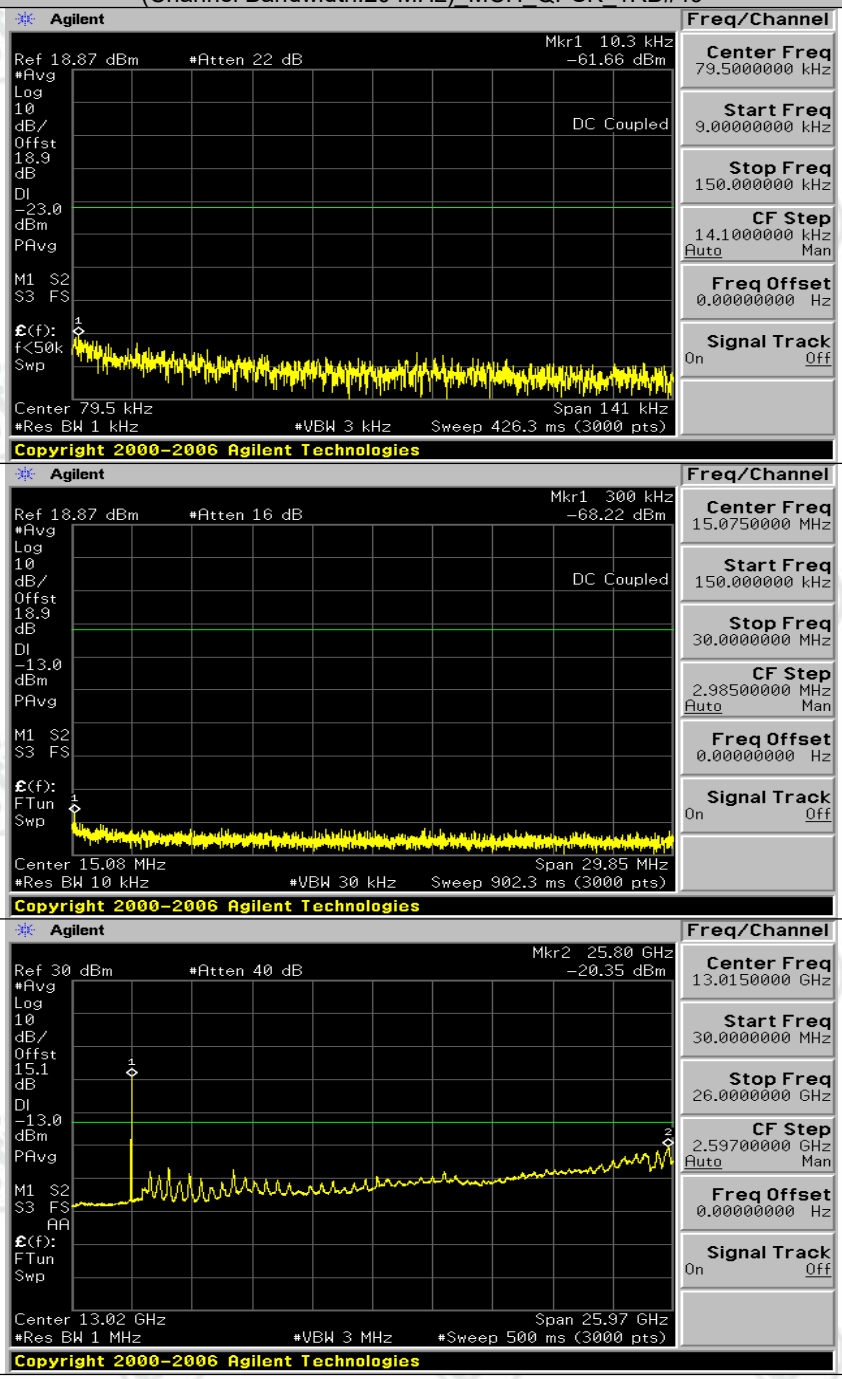
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



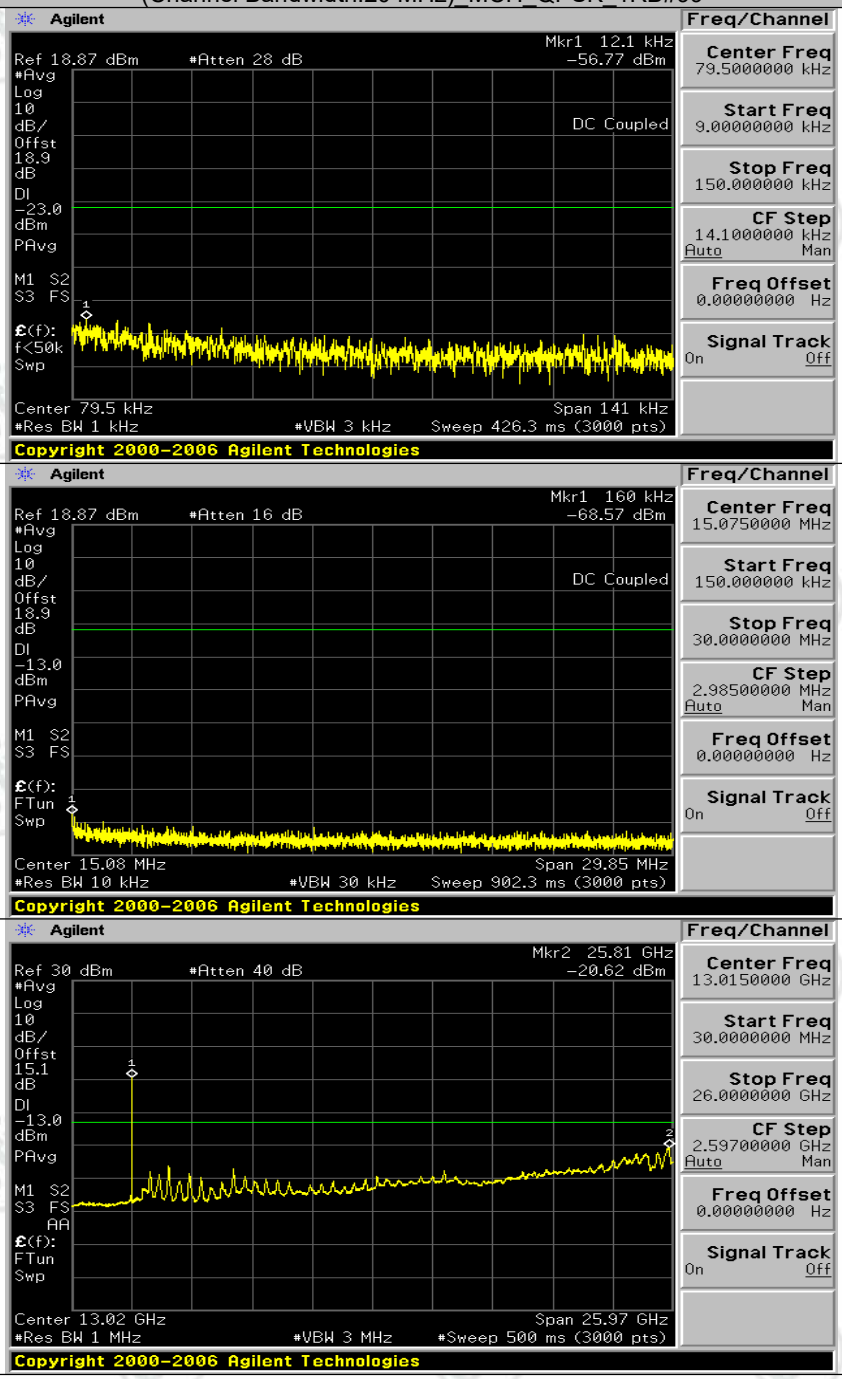




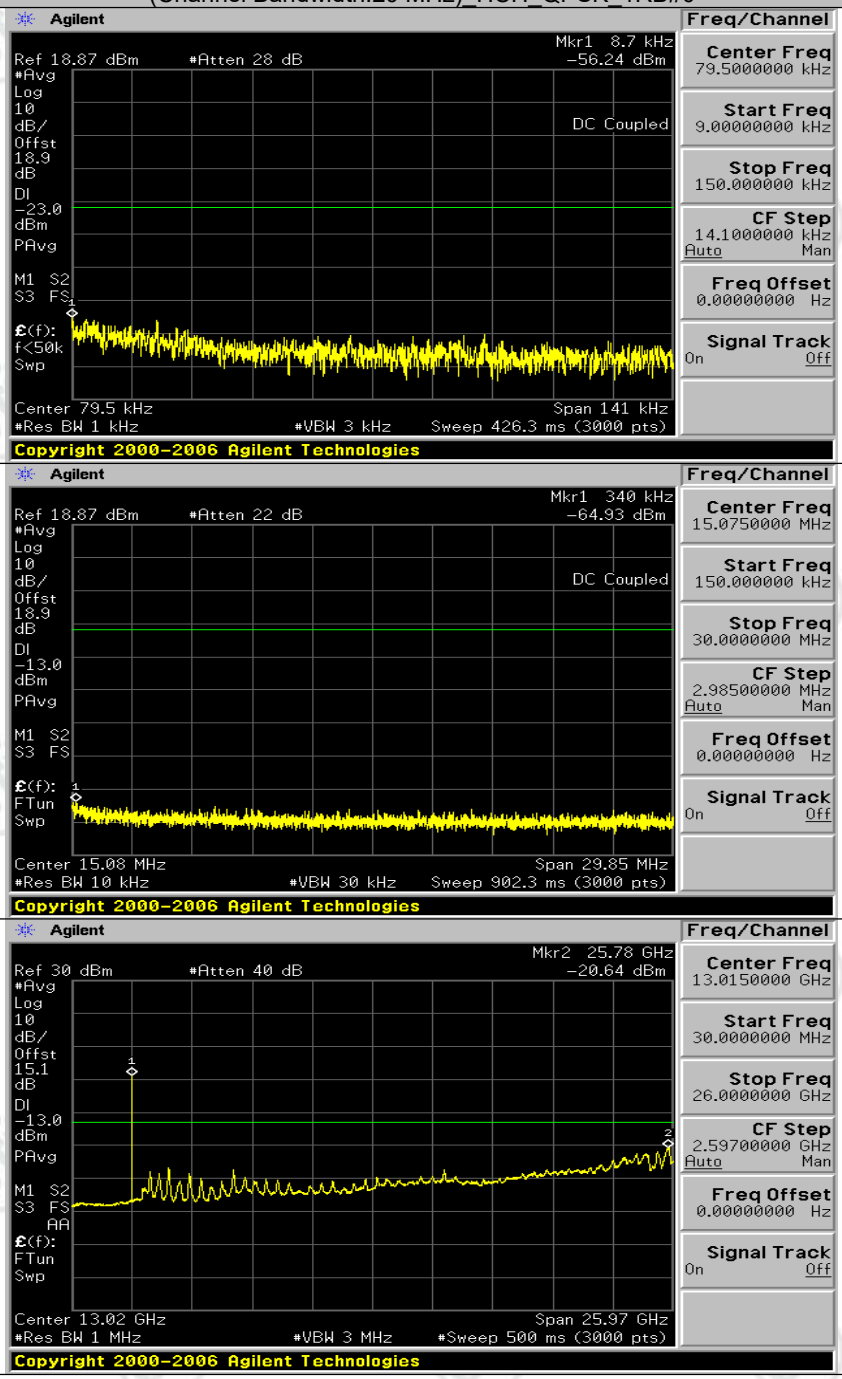
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



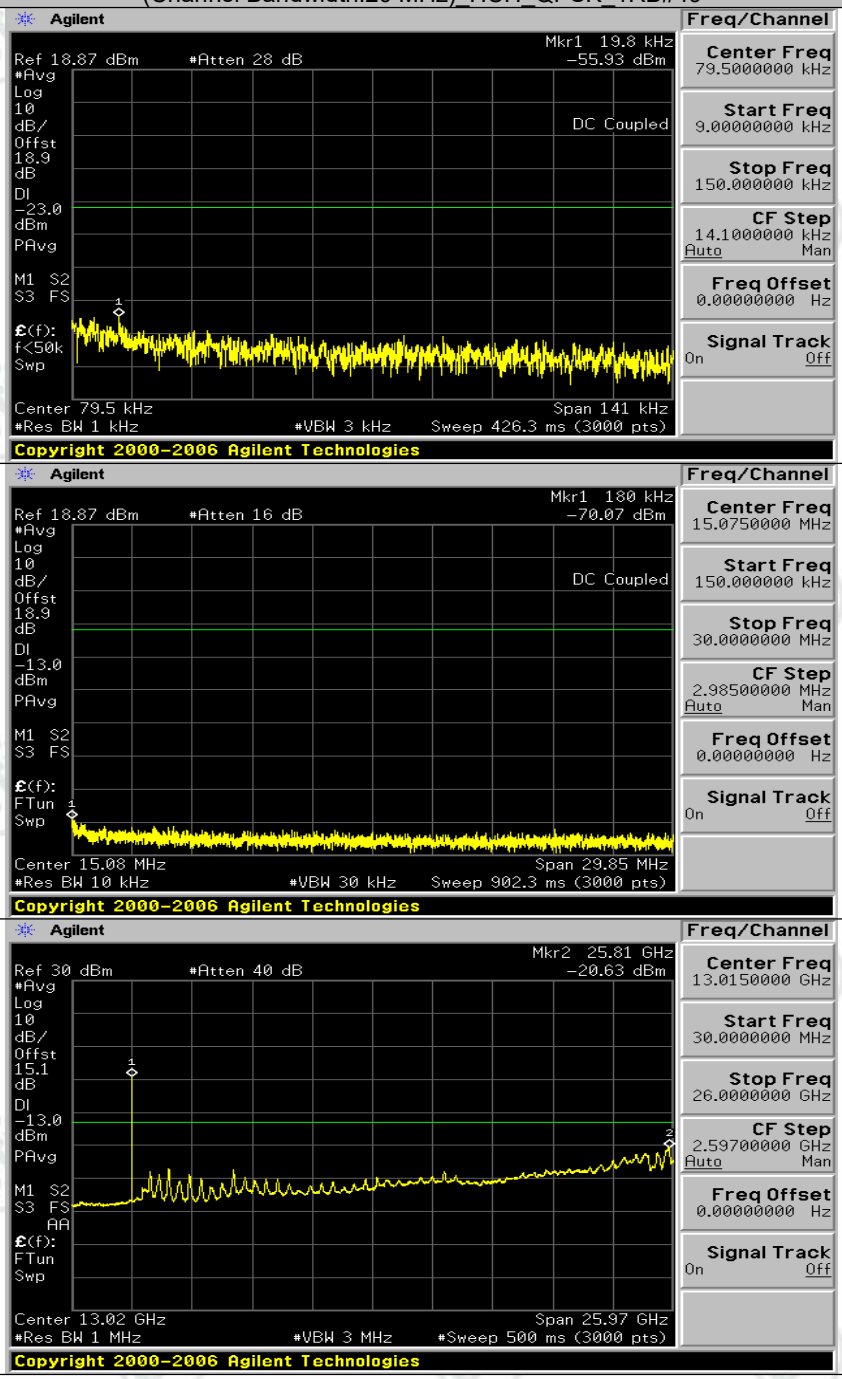
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99



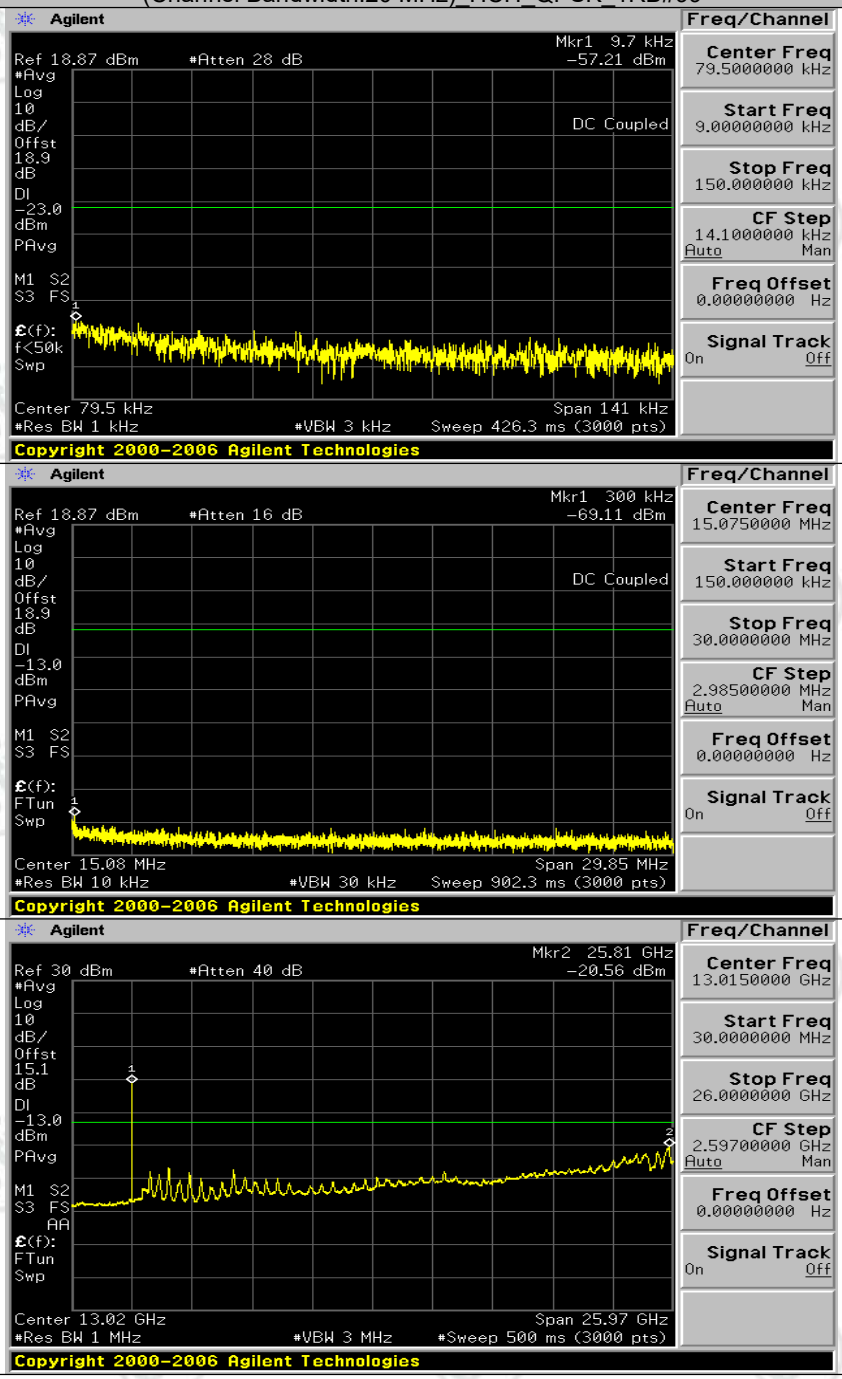
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



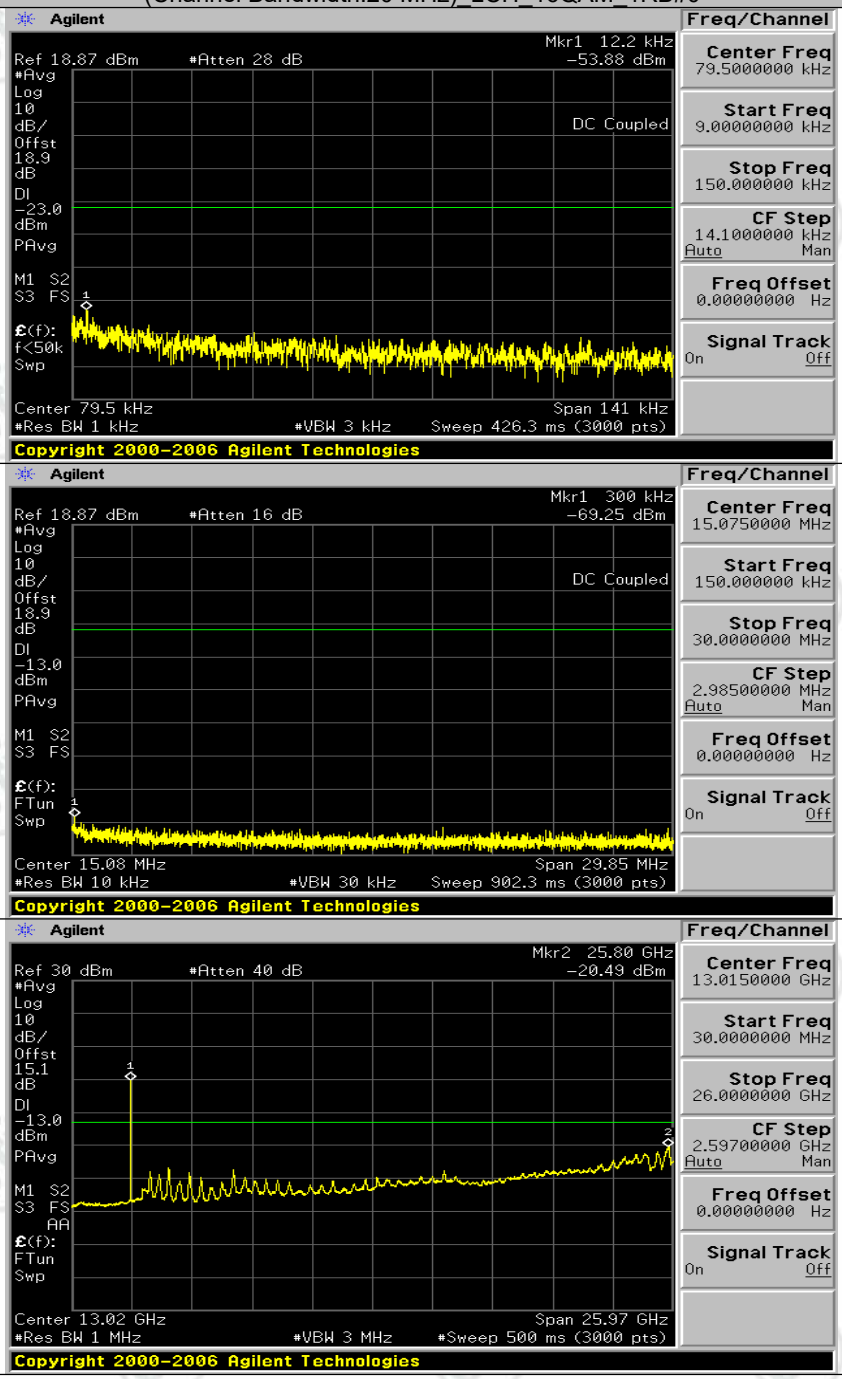
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



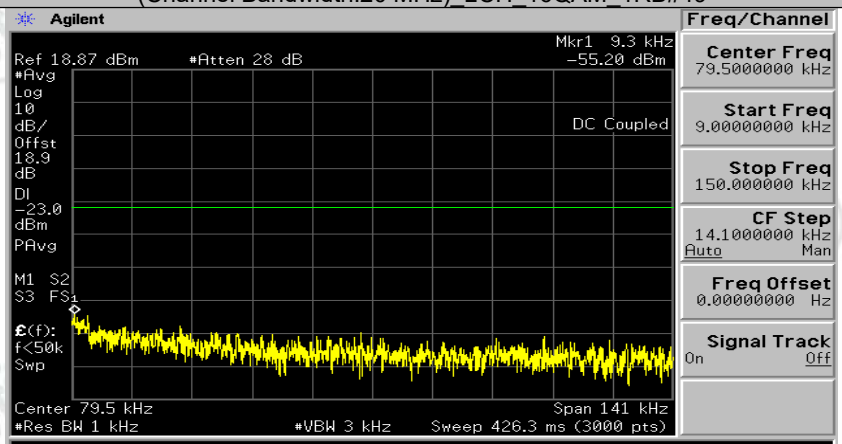
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

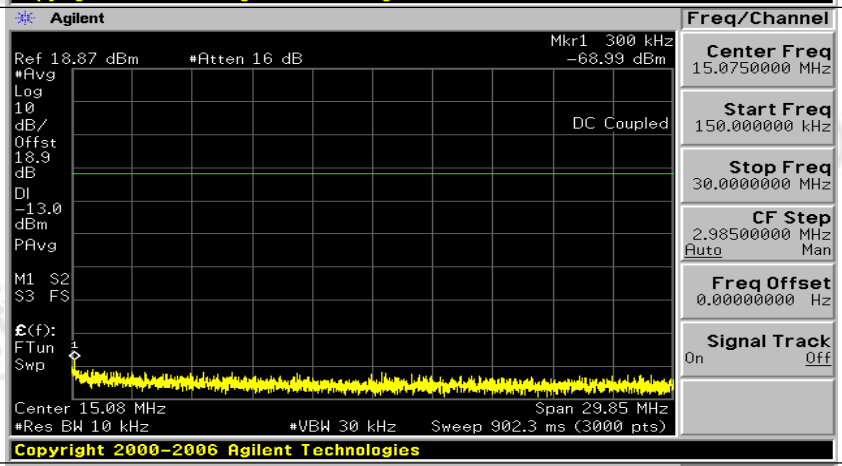


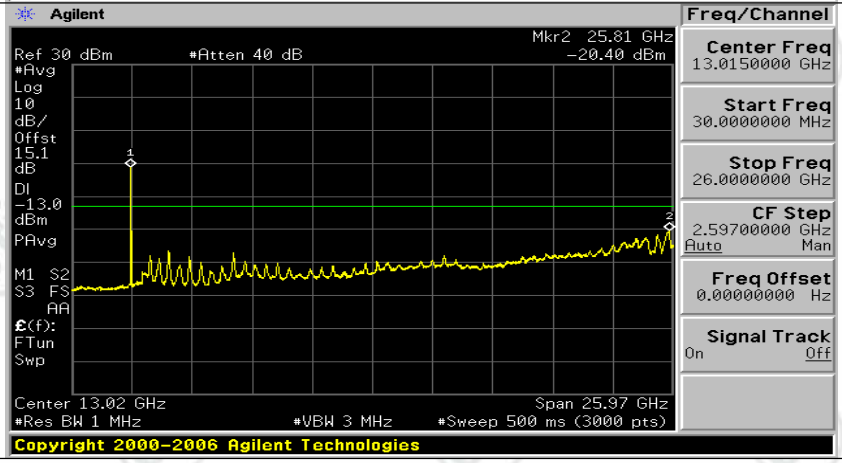
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



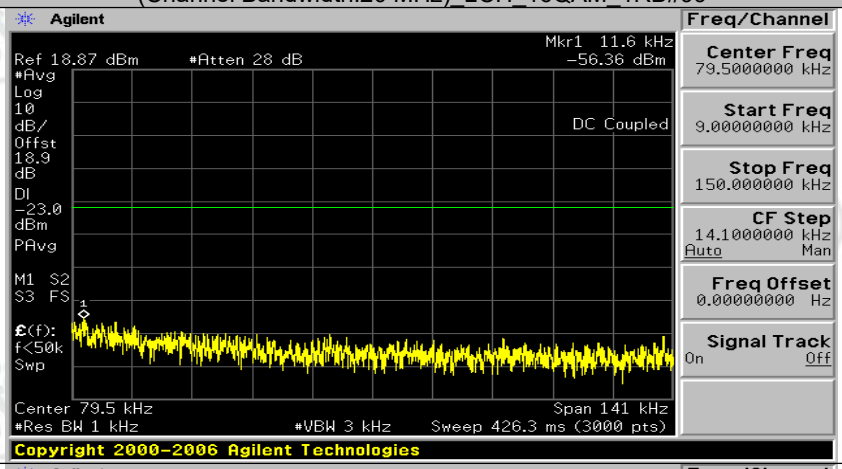
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

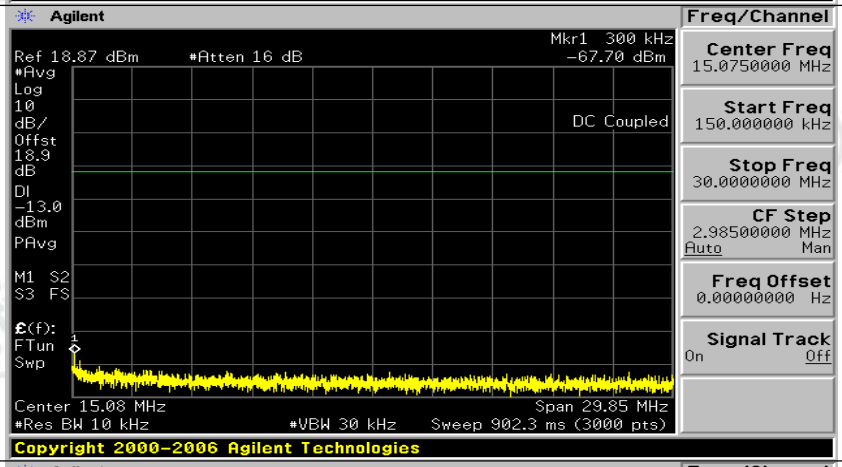


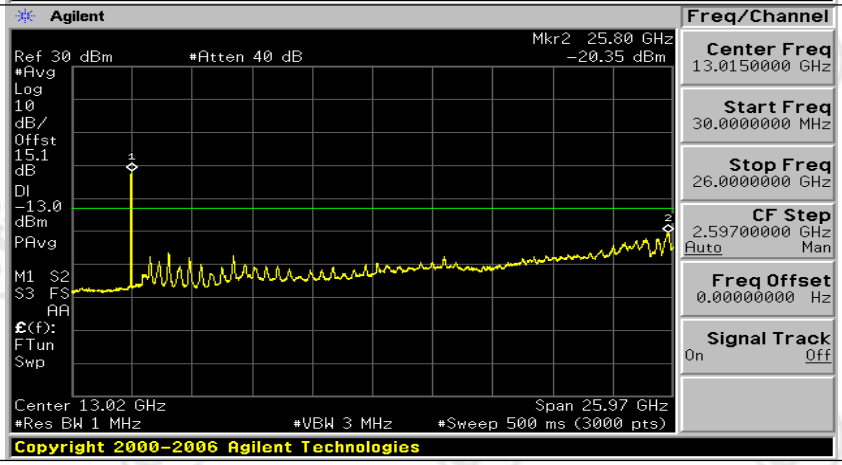




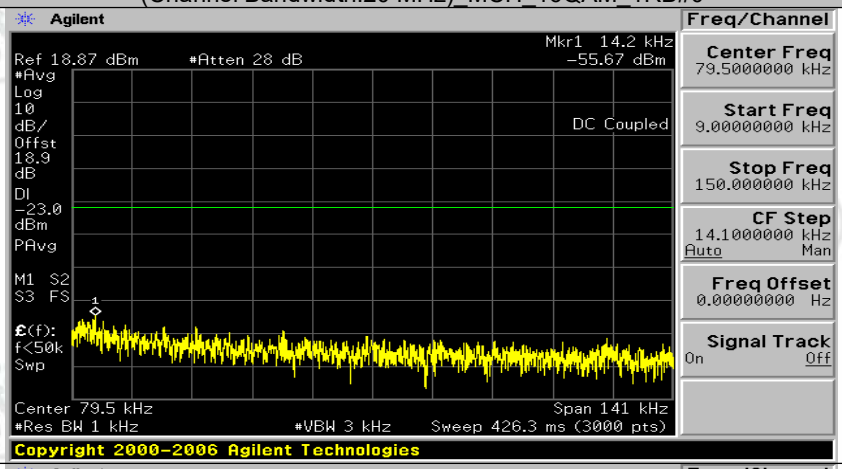
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99

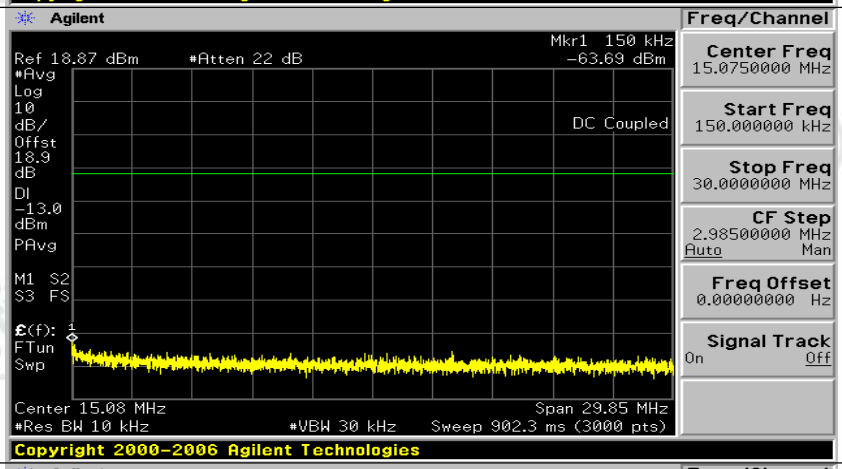


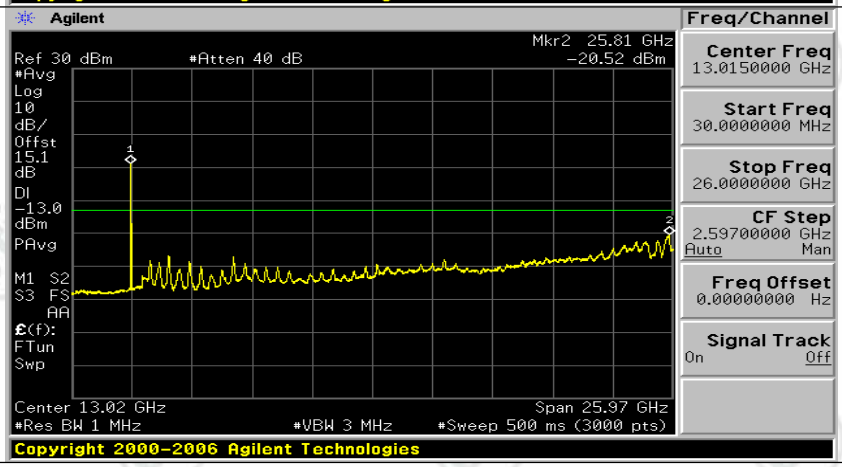




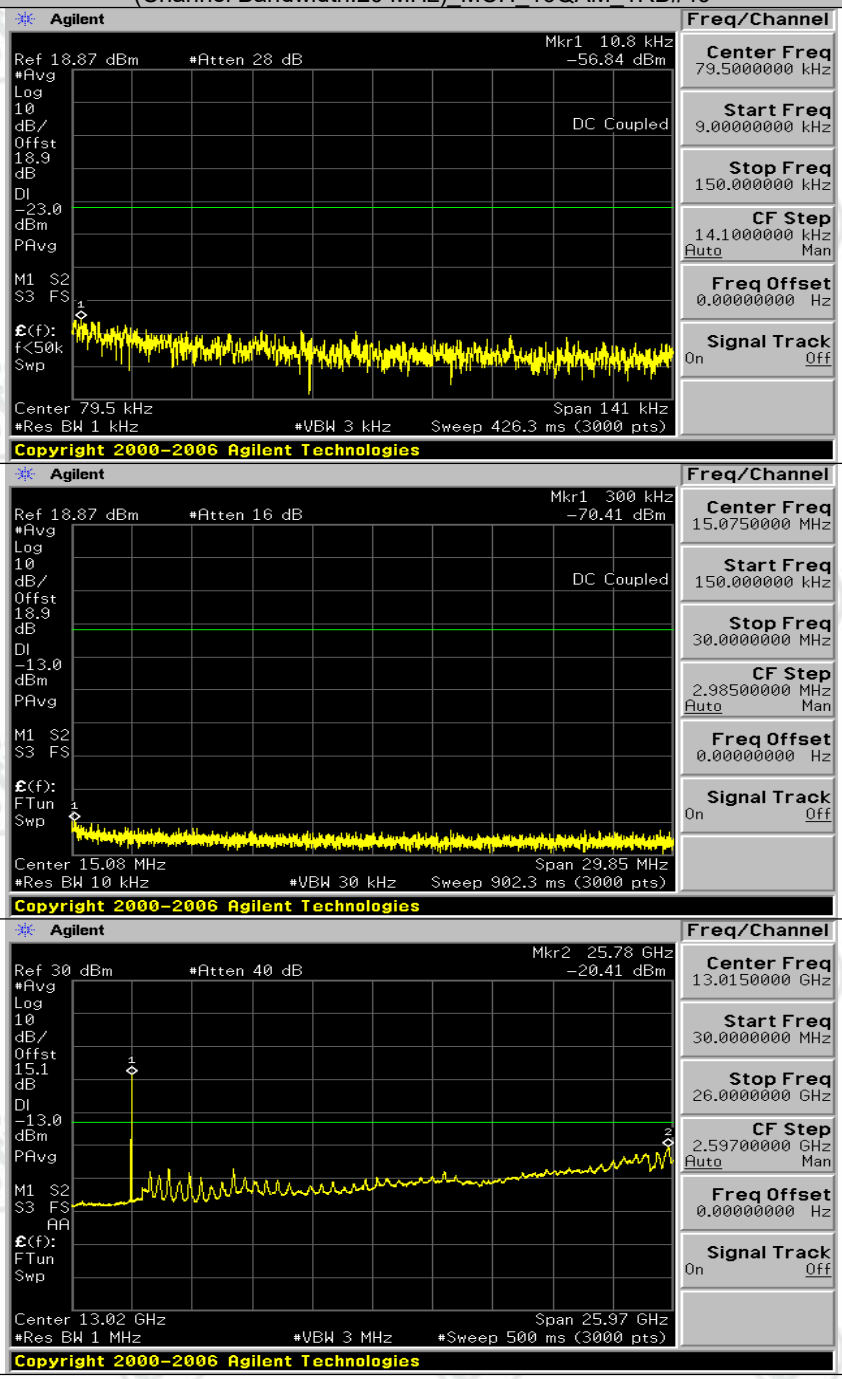
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



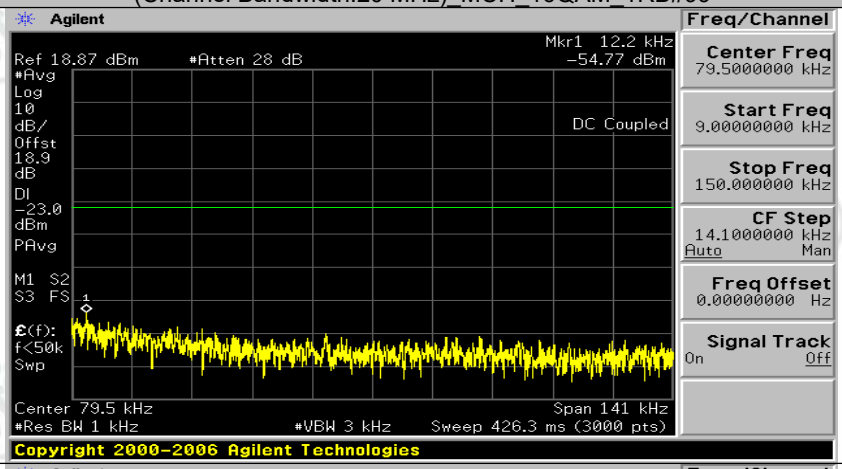


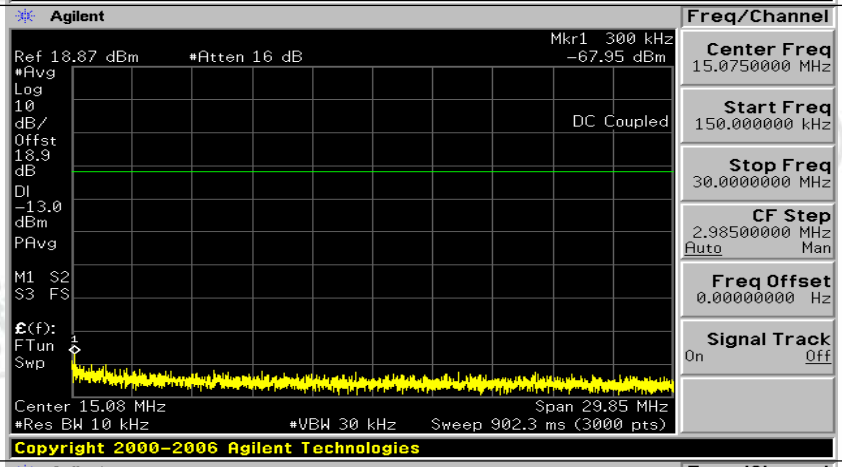


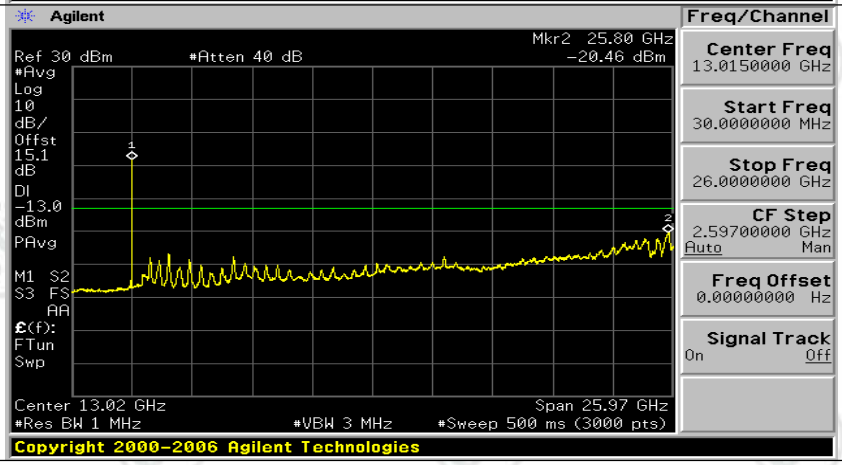
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



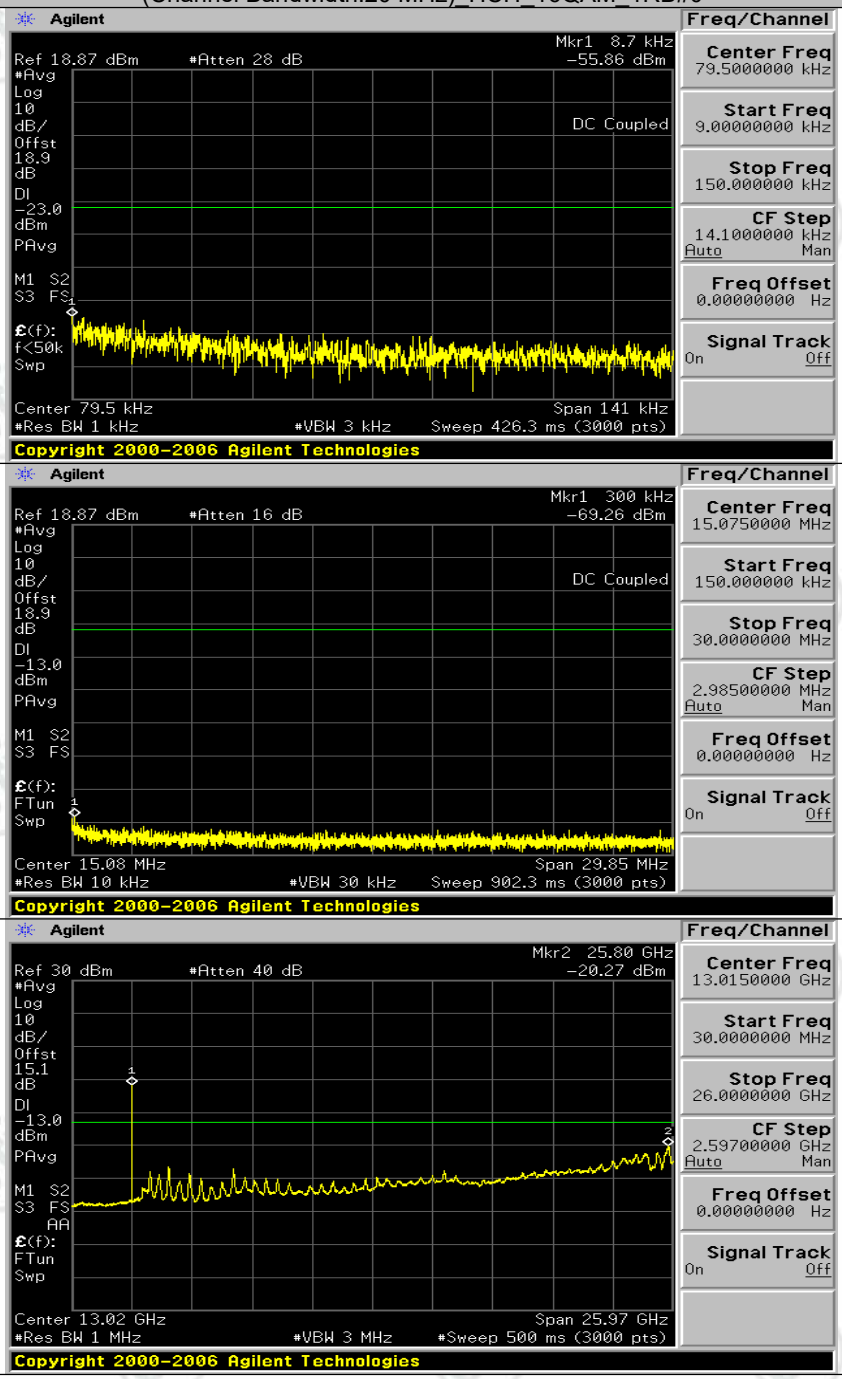
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



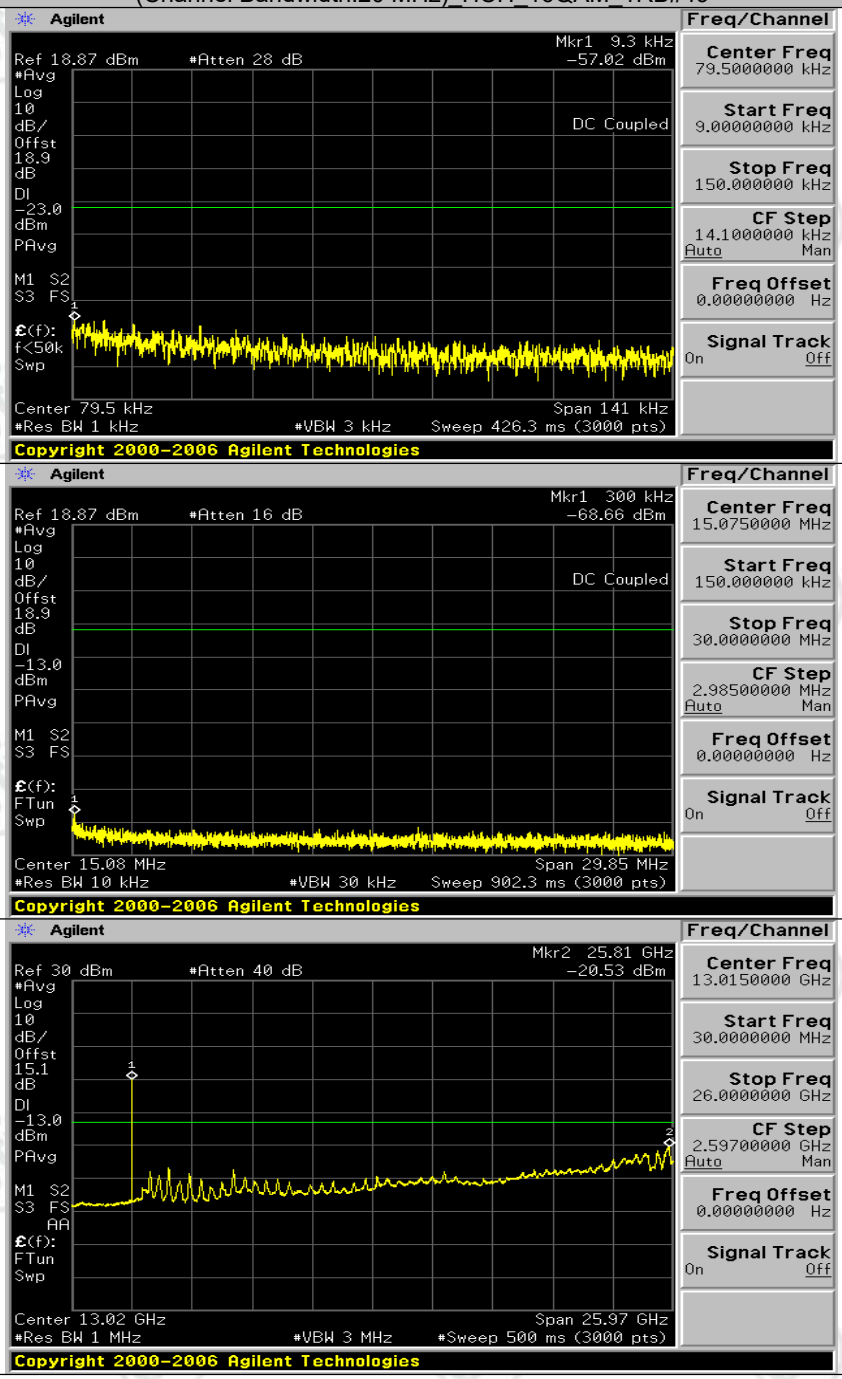




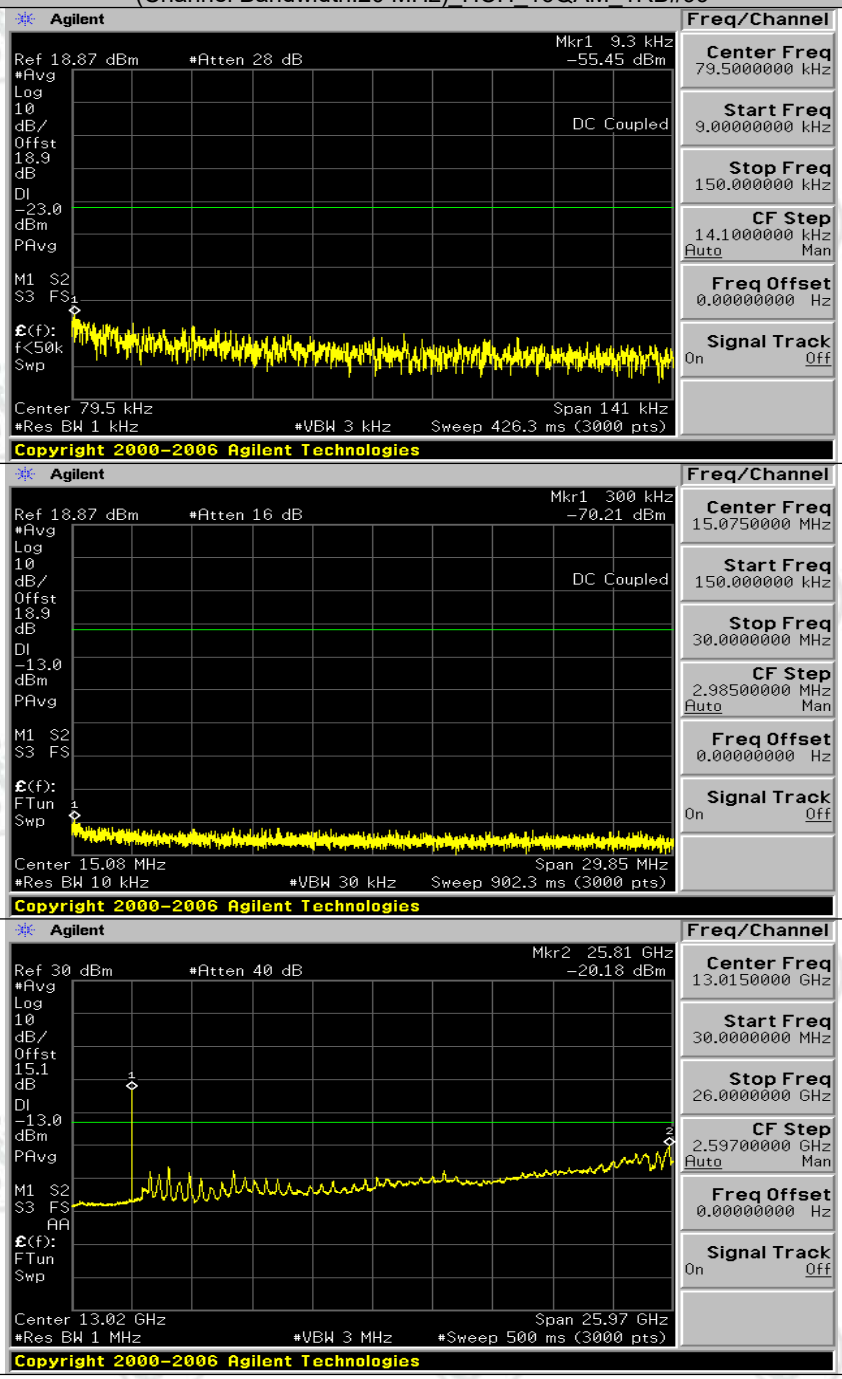
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



Appendix F): Frequency Stability

Test Result

(VL is 2.805V, VN is 3.3V, VH is 3.795V)

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	-52.90	-0.020564	± 2.5	PASS
		VN	TN	-74.72	-0.029044	± 2.5	PASS
		VH	TN	-43.26	-0.016816	± 2.5	PASS
	MCH	VL	TN	13.56	0.005226	± 2.5	PASS
		VN	TN	5.36	0.002067	± 2.5	PASS
		VH	TN	10.51	0.004052	± 2.5	PASS
	HCH	VL	TN	22.56	0.008619	± 2.5	PASS
		VN	TN	29.83	0.011395	± 2.5	PASS
		VH	TN	26.64	0.010176	± 2.5	PASS
16QAM	LCH	VL	TN	-33.19	-0.012901	± 2.5	PASS
		VN	TN	-78.45	-0.030495	± 2.5	PASS
		VH	TN	-20.93	-0.008135	± 2.5	PASS
	MCH	VL	TN	21.72	0.008368	± 2.5	PASS
		VN	TN	15.38	0.005926	± 2.5	PASS
		VH	TN	-9.91	-0.003820	± 2.5	PASS
	HCH	VL	TN	28.27	0.010799	± 2.5	PASS
		VN	TN	15.03	0.005744	± 2.5	PASS
		VH	TN	39.30	0.015013	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-33.86	-0.013162	± 2.5	PASS
		VN	-20	-54.19	-0.021064	± 2.5	PASS
		VN	-10	-44.15	-0.017161	± 2.5	PASS
		VN	0	-51.20	-0.019902	± 2.5	PASS
		VN	10	-70.91	-0.027565	± 2.5	PASS
		VN	20	-49.71	-0.019324	± 2.5	PASS
		VN	30	-78.23	-0.030412	± 2.5	PASS
		VN	40	-52.59	-0.020441	± 2.5	PASS
		VN	50	-83.13	-0.032314	± 2.5	PASS
	MCH	VN	-30	15.62	0.006020	± 2.5	PASS
		VN	-20	22.73	0.008759	± 2.5	PASS
		VN	-10	25.06	0.009658	± 2.5	PASS
		VN	0	31.03	0.011957	± 2.5	PASS
		VN	10	24.55	0.009460	± 2.5	PASS
		VN	20	9.21	0.003550	± 2.5	PASS
		VN	30	4.89	0.001885	± 2.5	PASS
		VN	40	6.77	0.002607	± 2.5	PASS
		VN	50	-0.11	-0.000044	± 2.5	PASS
	HCH	VN	-30	33.83	0.012925	± 2.5	PASS
		VN	-20	-10.00	-0.003820	± 2.5	PASS
		VN	-10	22.69	0.008668	± 2.5	PASS
		VN	0	15.18	0.005799	± 2.5	PASS

		VN	10	26.42	0.010094	± 2.5	PASS
		VN	20	29.60	0.011307	± 2.5	PASS
		VN	30	12.37	0.004727	± 2.5	PASS
		VN	40	18.45	0.007050	± 2.5	PASS
		VN	50	16.64	0.006356	± 2.5	PASS
	LCH	VN	-30	-13.95	-0.005422	± 2.5	PASS
		VN	-20	-14.18	-0.005511	± 2.5	PASS
		VN	-10	-29.33	-0.011400	± 2.5	PASS
		VN	0	-32.83	-0.012762	± 2.5	PASS
		VN	10	-35.66	-0.013863	± 2.5	PASS
		VN	20	-40.21	-0.015631	± 2.5	PASS
		VN	30	-31.29	-0.012161	± 2.5	PASS
		VN	40	-21.04	-0.008180	± 2.5	PASS
		VN	50	-51.51	-0.020024	± 2.5	PASS
	MCH	VN	-30	-1.33	-0.000513	± 2.5	PASS
		VN	-20	6.78	0.002613	± 2.5	PASS
		VN	-10	14.75	0.005683	± 2.5	PASS
		VN	0	12.89	0.004967	± 2.5	PASS
16QAM		VN	10	15.08	0.005810	± 2.5	PASS
		VN	20	29.11	0.011218	± 2.5	PASS
		VN	30	31.61	0.012183	± 2.5	PASS
		VN	40	37.47	0.014437	± 2.5	PASS
		VN	50	-25.16	-0.009697	± 2.5	PASS
	HCH	VN	-30	1.63	0.000623	± 2.5	PASS
		VN	-20	31.86	0.012171	± 2.5	PASS
		VN	-10	3.85	0.001470	± 2.5	PASS
		VN	0	19.17	0.007323	± 2.5	PASS
		VN	10	29.61	0.011313	± 2.5	PASS
		VN	20	35.26	0.013472	± 2.5	PASS
		VN	30	47.76	0.018248	± 2.5	PASS
		VN	40	19.60	0.007487	± 2.5	PASS
		VN	50	-41.07	-0.015691	± 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	-48.82	-0.018961	± 2.5	PASS
		VN	TN	-49.72	-0.019311	± 2.5	PASS
		VH	TN	-30.84	-0.011977	± 2.5	PASS
	MCH	VL	TN	-24.62	-0.009487	± 2.5	PASS
		VN	TN	-10.29	-0.003964	± 2.5	PASS
		VH	TN	-13.29	-0.005121	± 2.5	PASS
	HCH	VL	TN	14.36	0.005492	± 2.5	PASS
		VN	TN	30.64	0.011718	± 2.5	PASS
		VH	TN	29.43	0.011253	± 2.5	PASS
16QAM	LCH	VL	TN	-45.48	-0.017661	± 2.5	PASS
		VN	TN	-31.57	-0.012261	± 2.5	PASS
		VH	TN	-52.89	-0.020538	± 2.5	PASS
	MCH	VL	TN	32.86	0.012662	± 2.5	PASS

		VN	TN	17.27	0.006654	± 2.5	PASS
		VH	TN	-8.03	-0.003093	± 2.5	PASS
	HCH	VL	TN	14.29	0.005465	± 2.5	PASS
		VN	TN	-4.06	-0.001554	± 2.5	PASS
		VH	TN	16.64	0.006362	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-39.53	-0.015350	± 2.5	PASS
		VN	-20	-49.60	-0.019261	± 2.5	PASS
		VN	-10	-21.31	-0.008278	± 2.5	PASS
		VN	0	-22.42	-0.008705	± 2.5	PASS
		VN	10	-52.59	-0.020422	± 2.5	PASS
		VN	20	-31.29	-0.012150	± 2.5	PASS
		VN	30	-33.93	-0.013177	± 2.5	PASS
		VN	40	-55.70	-0.021633	± 2.5	PASS
		VN	50	-40.76	-0.015827	± 2.5	PASS
	MCH	VN	-30	-5.66	-0.002183	± 2.5	PASS
		VN	-20	9.38	0.003616	± 2.5	PASS
		VN	-10	32.33	0.012458	± 2.5	PASS
		VN	0	36.72	0.014151	± 2.5	PASS
		VN	10	31.33	0.012073	± 2.5	PASS
		VN	20	19.51	0.007519	± 2.5	PASS
		VN	30	34.48	0.013285	± 2.5	PASS
		VN	40	-1.65	-0.000634	± 2.5	PASS
		VN	50	4.26	0.001643	± 2.5	PASS
	HCH	VN	-30	20.48	0.007834	± 2.5	PASS
		VN	-20	33.33	0.012746	± 2.5	PASS
		VN	-10	33.43	0.012784	± 2.5	PASS
		VN	0	-5.46	-0.002090	± 2.5	PASS
		VN	10	8.21	0.003140	± 2.5	PASS
		VN	20	5.41	0.002068	± 2.5	PASS
		VN	30	3.88	0.001482	± 2.5	PASS
		VN	40	21.30	0.008145	± 2.5	PASS
		VN	50	-55.27	-0.021138	± 2.5	PASS
QPSK	LCH	VN	-30	-57.59	-0.022366	± 2.5	PASS
		VN	-20	-11.90	-0.004622	± 2.5	PASS
		VN	-10	-32.34	-0.012561	± 2.5	PASS
		VN	0	-37.45	-0.014544	± 2.5	PASS
		VN	10	-44.70	-0.017361	± 2.5	PASS
		VN	20	-47.31	-0.018372	± 2.5	PASS
		VN	30	-43.19	-0.016772	± 2.5	PASS
		VN	40	-51.67	-0.020066	± 2.5	PASS
		VN	50	-56.88	-0.022088	± 2.5	PASS
	MCH	VN	-30	39.02	0.015038	± 2.5	PASS
		VN	-20	28.68	0.011053	± 2.5	PASS
		VN	-10	34.19	0.013175	± 2.5	PASS
		VN	0	16.79	0.006472	± 2.5	PASS
		VN	10	41.50	0.015992	± 2.5	PASS
		VN	20	-11.06	-0.004261	± 2.5	PASS
		VN	30	-10.33	-0.003980	± 2.5	PASS

		VN	40	-11.26	-0.004338	± 2.5	PASS
		VN	50	-14.95	-0.005761	± 2.5	PASS
	HCH	VN	-30	21.62	0.008266	± 2.5	PASS
		VN	-20	6.61	0.002527	± 2.5	PASS
		VN	-10	-7.54	-0.002883	± 2.5	PASS
		VN	0	17.78	0.006800	± 2.5	PASS
		VN	10	7.55	0.002888	± 2.5	PASS
		VN	20	27.37	0.010465	± 2.5	PASS
		VN	30	-37.45	-0.014322	± 2.5	PASS
		VN	40	-36.49	-0.013955	± 2.5	PASS
		VN	50	-34.42	-0.013162	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-34.58	-0.013414	± 2.5	PASS
		VN	TN	-40.07	-0.015546	± 2.5	PASS
		VH	TN	-30.38	-0.011788	± 2.5	PASS
	MCH	VL	TN	29.91	0.011527	± 2.5	PASS
		VN	TN	-9.26	-0.003567	± 2.5	PASS
		VH	TN	-41.17	-0.015865	± 2.5	PASS
	HCH	VL	TN	12.69	0.004857	± 2.5	PASS
		VN	TN	21.44	0.008208	± 2.5	PASS
		VH	TN	3.40	0.001303	± 2.5	PASS
16QAM	LCH	VL	TN	-7.74	-0.003003	± 2.5	PASS
		VN	TN	-60.22	-0.023365	± 2.5	PASS
		VH	TN	-6.11	-0.002370	± 2.5	PASS
	MCH	VL	TN	30.86	0.011891	± 2.5	PASS
		VN	TN	37.75	0.014548	± 2.5	PASS
		VH	TN	-3.00	-0.001158	± 2.5	PASS
	HCH	VL	TN	1.50	0.000575	± 2.5	PASS
		VN	TN	10.99	0.004205	± 2.5	PASS
		VH	TN	1.44	0.000553	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-49.40	-0.019164	± 2.5	PASS
		VN	-20	-53.16	-0.020624	± 2.5	PASS
		VN	-10	-45.78	-0.017760	± 2.5	PASS
		VN	0	-36.22	-0.014053	± 2.5	PASS
		VN	10	-51.58	-0.020013	± 2.5	PASS
		VN	20	-61.68	-0.023932	± 2.5	PASS
		VN	30	-33.13	-0.012854	± 2.5	PASS
		VN	40	-46.21	-0.017926	± 2.5	PASS
		VN	50	-35.52	-0.013781	± 2.5	PASS
	MCH	VN	-30	-41.60	-0.016031	± 2.5	PASS
		VN	-20	-33.20	-0.012795	± 2.5	PASS
		VN	-10	-30.43	-0.011725	± 2.5	PASS
		VN	0	-13.49	-0.005198	± 2.5	PASS

		VN	10	-14.58	-0.005617	± 2.5	PASS
		VN	20	0.21	0.000083	± 2.5	PASS
		VN	30	12.16	0.004686	± 2.5	PASS
		VN	40	10.70	0.004123	± 2.5	PASS
		VN	50	8.44	0.003252	± 2.5	PASS
	HCH	VN	-30	8.23	0.003148	± 2.5	PASS
		VN	-20	6.07	0.002322	± 2.5	PASS
		VN	-10	1.04	0.000400	± 2.5	PASS
		VN	0	14.25	0.005454	± 2.5	PASS
		VN	10	-10.50	-0.004019	± 2.5	PASS
		VN	20	-0.49	-0.000186	± 2.5	PASS
		VN	30	-2.19	-0.000838	± 2.5	PASS
		VN	40	0.83	0.000318	± 2.5	PASS
		VN	50	12.12	0.004638	± 2.5	PASS
16QAM	LCH	VN	-30	8.24	0.003197	± 2.5	PASS
		VN	-20	16.69	0.006477	± 2.5	PASS
		VN	-10	-4.52	-0.001754	± 2.5	PASS
		VN	0	-5.79	-0.002248	± 2.5	PASS
		VN	10	-6.69	-0.002597	± 2.5	PASS
		VN	20	-1.85	-0.000716	± 2.5	PASS
		VN	30	14.03	0.005445	± 2.5	PASS
		VN	40	24.50	0.009507	± 2.5	PASS
		VN	50	2.86	0.001110	± 2.5	PASS
	MCH	VN	-30	23.79	0.009167	± 2.5	PASS
		VN	-20	29.01	0.011179	± 2.5	PASS
		VN	-10	-4.88	-0.001880	± 2.5	PASS
		VN	0	-13.07	-0.005038	± 2.5	PASS
		VN	10	3.48	0.001340	± 2.5	PASS
		VN	20	10.83	0.004173	± 2.5	PASS
		VN	30	-3.89	-0.001499	± 2.5	PASS
		VN	40	-10.79	-0.004156	± 2.5	PASS
		VN	50	-2.65	-0.001020	± 2.5	PASS
	HCH	VN	-30	10.54	0.004036	± 2.5	PASS
		VN	-20	-17.58	-0.006730	± 2.5	PASS
		VN	-10	-0.43	-0.000164	± 2.5	PASS
		VN	0	21.92	0.008389	± 2.5	PASS
		VN	10	-0.60	-0.000230	± 2.5	PASS
		VN	20	14.71	0.005629	± 2.5	PASS
		VN	30	24.12	0.009232	± 2.5	PASS
		VN	40	-9.80	-0.003751	± 2.5	PASS
		VN	50	-18.21	-0.006970	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-53.83	-0.020864	± 2.5	PASS
		VN	TN	-48.14	-0.018658	± 2.5	PASS
		VH	TN	-55.48	-0.021502	± 2.5	PASS
	MCH	VL	TN	22.42	0.008638	± 2.5	PASS

		VN	TN	25.61	0.009867	± 2.5	PASS
		VH	TN	26.42	0.010182	± 2.5	PASS
	HCH	VL	TN	29.18	0.011181	± 2.5	PASS
		VN	TN	20.93	0.008019	± 2.5	PASS
		VH	TN	26.51	0.010156	± 2.5	PASS
16QAM	LCH	VL	TN	-47.59	-0.018447	± 2.5	PASS
		VN	TN	-50.81	-0.019694	± 2.5	PASS
		VH	TN	-35.69	-0.013834	± 2.5	PASS
	MCH	VL	TN	5.95	0.002293	± 2.5	PASS
		VN	TN	24.76	0.009542	± 2.5	PASS
		VH	TN	5.29	0.002040	± 2.5	PASS
	HCH	VL	TN	-25.86	-0.009909	± 2.5	PASS
		VN	TN	15.28	0.005854	± 2.5	PASS
		VH	TN	38.58	0.014782	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-51.03	-0.019778	± 2.5	PASS
		VN	-20	-26.81	-0.010391	± 2.5	PASS
		VN	-10	-52.53	-0.020360	± 2.5	PASS
		VN	0	-14.25	-0.005522	± 2.5	PASS
		VN	10	-54.87	-0.021269	± 2.5	PASS
		VN	20	-32.49	-0.012592	± 2.5	PASS
		VN	30	-9.58	-0.003715	± 2.5	PASS
		VN	40	-42.44	-0.016451	± 2.5	PASS
		VN	50	-61.25	-0.023742	± 2.5	PASS
	MCH	VN	-30	24.62	0.009487	± 2.5	PASS
		VN	-20	36.94	0.014233	± 2.5	PASS
		VN	-10	8.75	0.003374	± 2.5	PASS
		VN	0	21.33	0.008219	± 2.5	PASS
		VN	10	26.09	0.010055	± 2.5	PASS
		VN	20	23.62	0.009101	± 2.5	PASS
		VN	30	23.45	0.009035	± 2.5	PASS
		VN	40	28.07	0.010816	± 2.5	PASS
		VN	50	31.90	0.012293	± 2.5	PASS
	HCH	VN	-30	-9.28	-0.003557	± 2.5	PASS
		VN	-20	23.86	0.009142	± 2.5	PASS
		VN	-10	1.47	0.000565	± 2.5	PASS
		VN	0	27.25	0.010441	± 2.5	PASS
		VN	10	20.66	0.007914	± 2.5	PASS
		VN	20	27.49	0.010534	± 2.5	PASS
		VN	30	6.22	0.002384	± 2.5	PASS
		VN	40	31.29	0.011987	± 2.5	PASS
		VN	50	23.93	0.009170	± 2.5	PASS
16QAM	LCH	VN	-30	-16.68	-0.006465	± 2.5	PASS
		VN	-20	-9.30	-0.003604	± 2.5	PASS
		VN	-10	-11.74	-0.004552	± 2.5	PASS
		VN	0	-17.28	-0.006698	± 2.5	PASS
		VN	10	-9.18	-0.003560	± 2.5	PASS
		VN	20	-11.53	-0.004469	± 2.5	PASS
		VN	30	-16.02	-0.006210	± 2.5	PASS

		VN	40	-23.09	-0.008949	± 2.5	PASS
		VN	50	-13.35	-0.005173	± 2.5	PASS
	MCH	VN	-30	24.62	0.009487	± 2.5	PASS
		VN	-20	-6.92	-0.002668	± 2.5	PASS
		VN	-10	11.10	0.004278	± 2.5	PASS
		VN	0	20.90	0.008054	± 2.5	PASS
		VN	10	22.24	0.008572	± 2.5	PASS
		VN	20	-26.45	-0.010193	± 2.5	PASS
		VN	30	-6.85	-0.002641	± 2.5	PASS
		VN	40	3.59	0.001384	± 2.5	PASS
		VN	50	8.30	0.003197	± 2.5	PASS
	HCH	VN	-30	14.41	0.005519	± 2.5	PASS
		VN	-20	33.57	0.012864	± 2.5	PASS
		VN	-10	16.65	0.006380	± 2.5	PASS
		VN	0	37.68	0.014437	± 2.5	PASS
		VN	10	14.12	0.005410	± 2.5	PASS
		VN	20	29.11	0.011154	± 2.5	PASS
		VN	30	28.28	0.010836	± 2.5	PASS
		VN	40	28.41	0.010885	± 2.5	PASS
		VN	50	39.90	0.015286	± 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:	38	Channel:	37775				
Remark:	5M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	62.4045	150	194	-79.54	-13.00	66.54	Pass	Horizontal
2	161.3643	150	24	-58.41	-13.00	45.41	Pass	Horizontal
3	290.5941	150	121	-67.55	-13.00	54.55	Pass	Horizontal
4	354.8210	150	133	-64.14	-13.00	51.14	Pass	Horizontal
5	398.6737	150	350	-67.07	-13.00	54.07	Pass	Horizontal
6	598.3397	150	314	-64.76	-13.00	51.76	Pass	Horizontal
7	1209.4209	150	60	-49.62	-13.00	36.62	Pass	Horizontal
8	3564.0282	150	264	-47.67	-13.00	34.67	Pass	Horizontal
9	5145.0000	150	225	-50.18	-13.00	37.18	Pass	Horizontal
10	7717.5000	150	53	-46.82	-13.00	33.82	Pass	Horizontal
11	10290.0000	150	303	-43.94	-13.00	30.94	Pass	Horizontal
12	14822.8411	150	359	-35.27	-13.00	22.27	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37775				
Remark:	5M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	264	-68.54	-13.00	55.54	Pass	Vertical
2	161.3643	150	349	-69.33	-13.00	56.33	Pass	Vertical
3	199.0078	150	204	-68.40	-13.00	55.40	Pass	Vertical
4	354.8210	150	24	-73.54	-13.00	60.54	Pass	Vertical
5	599.6979	150	60	-64.87	-13.00	51.87	Pass	Vertical
6	826.1412	150	72	-66.91	-13.00	53.91	Pass	Vertical
7	1195.8196	150	288	-47.70	-13.00	34.70	Pass	Vertical
8	3582.0291	150	265	-47.82	-13.00	34.82	Pass	Vertical
9	5145.0000	150	150	-51.28	-13.00	38.28	Pass	Vertical
10	7717.5000	150	34	-46.30	-13.00	33.30	Pass	Vertical
11	10290.0000	150	111	-44.41	-13.00	31.41	Pass	Vertical
12	15331.3666	150	285	-36.21	-13.00	23.21	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	37800				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.0340	150	13	-72.75	-13.00	59.75	Pass	Horizontal
2	161.3643	150	359	-57.32	-13.00	44.32	Pass	Horizontal
3	290.4001	150	108	-67.18	-13.00	54.18	Pass	Horizontal
4	354.6269	150	108	-64.46	-13.00	51.46	Pass	Horizontal
5	597.7576	150	302	-66.33	-13.00	53.33	Pass	Horizontal
6	796.6473	150	313	-67.67	-13.00	54.67	Pass	Horizontal
7	1273.0273	150	302	-49.04	-13.00	36.04	Pass	Horizontal
8	3582.0291	150	14	-47.61	-13.00	34.61	Pass	Horizontal
9	5150.0000	150	0	-49.52	-13.00	36.52	Pass	Horizontal
10	7725.0000	150	225	-45.86	-13.00	32.86	Pass	Horizontal
11	10300.0000	150	284	-44.49	-13.00	31.49	Pass	Horizontal
12	14973.5987	150	186	-35.41	-13.00	22.41	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37800				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.6429	150	110	-69.13	-13.00	56.13	Pass	Vertical
2	199.3959	150	182	-67.13	-13.00	54.13	Pass	Vertical
3	290.5941	150	25	-73.30	-13.00	60.30	Pass	Vertical
4	398.2857	150	303	-71.09	-13.00	58.09	Pass	Vertical
5	598.7277	150	315	-65.24	-13.00	52.24	Pass	Vertical
6	843.0226	150	73	-66.84	-13.00	53.84	Pass	Vertical
7	1200.0200	150	303	-48.10	-13.00	35.10	Pass	Vertical
8	3496.5248	150	112	-47.78	-13.00	34.78	Pass	Vertical
9	5150.0000	150	303	-51.79	-13.00	38.79	Pass	Vertical
10	7725.0000	150	73	-47.58	-13.00	34.58	Pass	Vertical
11	10300.0000	150	0	-44.26	-13.00	31.26	Pass	Vertical
12	15263.1132	150	35	-35.99	-13.00	22.99	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	37825				
Remark:	15M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	161.3643	150	12	-56.76	-13.00	43.76	Pass	Horizontal
2	290.4001	150	118	-67.20	-13.00	54.20	Pass	Horizontal
3	355.2090	150	118	-63.33	-13.00	50.33	Pass	Horizontal
4	480.3641	150	129	-67.90	-13.00	54.90	Pass	Horizontal
5	599.6979	150	315	-69.46	-13.00	56.46	Pass	Horizontal
6	798.5877	150	152	-69.31	-13.00	56.31	Pass	Horizontal
7	1174.2174	150	210	-49.26	-13.00	36.26	Pass	Horizontal
8	3611.2806	150	57	-47.34	-13.00	34.34	Pass	Horizontal
9	5155.0000	150	210	-49.47	-13.00	36.47	Pass	Horizontal
10	7732.5000	150	172	-47.07	-13.00	34.07	Pass	Horizontal
11	10310.0000	150	286	-44.21	-13.00	31.21	Pass	Horizontal
12	14834.8417	150	227	-35.56	-13.00	22.56	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37825				
Remark:	15M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	140	-68.12	-13.00	55.12	Pass	Vertical
2	161.3643	150	360	-69.55	-13.00	56.55	Pass	Vertical
3	355.0150	150	360	-73.76	-13.00	60.76	Pass	Vertical
4	480.1700	150	280	-73.59	-13.00	60.59	Pass	Vertical
5	598.7277	150	293	-65.28	-13.00	52.28	Pass	Vertical
6	837.2014	150	82	-65.71	-13.00	52.71	Pass	Vertical
7	1194.8195	150	304	-45.03	-13.00	32.03	Pass	Vertical
8	3642.7821	150	15	-47.15	-13.00	34.15	Pass	Vertical
9	5155.0000	150	132	-51.44	-13.00	38.44	Pass	Vertical
10	7732.5000	150	188	-48.04	-13.00	35.04	Pass	Vertical
11	10310.0000	150	266	-43.16	-13.00	30.16	Pass	Vertical
12	15287.8644	150	188	-35.59	-13.00	22.59	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	37850				
Remark:	20M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	161.1702	150	1	-57.49	-13.00	44.49	Pass	Horizontal
2	290.4001	150	119	-67.33	-13.00	54.33	Pass	Horizontal
3	354.8210	150	141	-64.20	-13.00	51.20	Pass	Horizontal
4	399.4499	150	119	-64.27	-13.00	51.27	Pass	Horizontal
5	599.1158	150	59	-68.21	-13.00	55.21	Pass	Horizontal
6	796.6473	150	318	-67.72	-13.00	54.72	Pass	Horizontal
7	1291.2291	150	106	-49.64	-13.00	36.64	Pass	Horizontal
8	3627.7814	150	245	-47.45	-13.00	34.45	Pass	Horizontal
9	5160.0000	150	68	-50.26	-13.00	37.26	Pass	Horizontal
10	7740.0000	150	128	-47.42	-13.00	34.42	Pass	Horizontal
11	10320.0000	150	146	-42.80	-13.00	29.80	Pass	Horizontal
12	14731.3366	150	245	-35.40	-13.00	22.40	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37850				
Remark:	20M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.8370	150	84	-67.94	-13.00	54.94	Pass	Vertical
2	161.3643	150	1	-69.37	-13.00	56.37	Pass	Vertical
3	290.4001	150	189	-71.69	-13.00	58.69	Pass	Vertical
4	479.9760	150	142	-63.68	-13.00	50.68	Pass	Vertical
5	597.3695	150	317	-64.25	-13.00	51.25	Pass	Vertical
6	797.2294	150	247	-67.24	-13.00	54.24	Pass	Vertical
7	1194.6195	150	317	-47.12	-13.00	34.12	Pass	Vertical
8	3606.0303	150	166	-47.56	-13.00	34.56	Pass	Vertical
9	5160.0000	150	166	-51.18	-13.00	38.18	Pass	Vertical
10	7740.0000	150	7	-46.72	-13.00	33.72	Pass	Vertical
11	10320.0000	150	263	-44.27	-13.00	31.27	Pass	Vertical
12	15633.6317	150	285	-35.23	-13.00	22.23	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	62.7926	150	13	-79.20	-13.00	66.20	Pass	Horizontal
2	161.3643	150	1	-57.31	-13.00	44.31	Pass	Horizontal
3	354.8210	150	134	-63.25	-13.00	50.25	Pass	Horizontal
4	479.9760	150	358	-60.60	-13.00	47.60	Pass	Horizontal
5	598.1456	150	338	-63.17	-13.00	50.17	Pass	Horizontal
6	799.7520	150	37	-69.09	-13.00	56.09	Pass	Horizontal
7	1289.8290	150	253	-49.96	-13.00	36.96	Pass	Horizontal
8	3627.7814	150	150	-47.68	-13.00	34.68	Pass	Horizontal
9	5190.0000	150	209	-50.35	-13.00	37.35	Pass	Horizontal
10	7785.0000	150	286	-47.79	-13.00	34.79	Pass	Horizontal
11	10380.0000	150	0	-43.23	-13.00	30.23	Pass	Horizontal
12	14715.5858	150	324	-36.14	-13.00	23.14	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.0608	150	232	-69.14	-13.00	56.14	Pass	Vertical
2	161.3643	150	25	-69.15	-13.00	56.15	Pass	Vertical
3	208.9038	150	122	-69.69	-13.00	56.69	Pass	Vertical
4	290.2060	150	196	-73.37	-13.00	60.37	Pass	Vertical
5	354.6269	150	360	-74.54	-13.00	61.54	Pass	Vertical
6	599.6979	150	352	-64.15	-13.00	51.15	Pass	Vertical
7	1195.4195	150	183	-46.80	-13.00	33.80	Pass	Vertical
8	3655.5328	150	0	-46.94	-13.00	33.94	Pass	Vertical
9	5190.0000	150	109	-48.40	-13.00	35.40	Pass	Vertical
10	7785.0000	150	52	-47.99	-13.00	34.99	Pass	Vertical
11	10380.0000	150	14	-43.04	-13.00	30.04	Pass	Vertical
12	15633.6317	150	32	-35.39	-13.00	22.39	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	161.1702	150	360	-57.60	-13.00	44.60	Pass	Horizontal
2	290.4001	150	146	-67.58	-13.00	54.58	Pass	Horizontal
3	354.8210	150	134	-63.03	-13.00	50.03	Pass	Horizontal
4	479.1998	150	134	-69.47	-13.00	56.47	Pass	Horizontal
5	599.5039	150	328	-64.42	-13.00	51.42	Pass	Horizontal
6	796.8414	150	170	-68.13	-13.00	55.13	Pass	Horizontal
7	1336.0336	150	243	-50.06	-13.00	37.06	Pass	Horizontal
8	3602.2801	150	206	-47.90	-13.00	34.90	Pass	Horizontal
9	5190.0000	150	224	-50.53	-13.00	37.53	Pass	Horizontal
10	7785.0000	150	224	-48.18	-13.00	35.18	Pass	Horizontal
11	10380.0000	150	263	-43.36	-13.00	30.36	Pass	Horizontal
12	14800.3400	150	87	-36.04	-13.00	23.04	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	62	-69.62	-13.00	56.62	Pass	Vertical
2	161.3643	150	342	-69.37	-13.00	56.37	Pass	Vertical
3	199.7840	150	159	-65.44	-13.00	52.44	Pass	Vertical
4	399.0618	150	244	-71.67	-13.00	58.67	Pass	Vertical
5	597.3695	150	37	-68.05	-13.00	55.05	Pass	Vertical
6	799.3639	150	99	-64.64	-13.00	51.64	Pass	Vertical
7	1194.8195	150	280	-49.29	-13.00	36.29	Pass	Vertical
8	3604.5302	150	106	-47.56	-13.00	34.56	Pass	Vertical
9	5190.0000	150	106	-48.84	-13.00	35.84	Pass	Vertical
10	7785.0000	150	184	-48.23	-13.00	35.23	Pass	Vertical
11	10380.0000	150	48	-44.19	-13.00	31.19	Pass	Vertical
12	14723.0862	150	284	-35.57	-13.00	22.57	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	62.5985	150	61	-79.19	-13.00	66.19	Pass	Horizontal
2	161.3643	150	359	-56.85	-13.00	43.85	Pass	Horizontal
3	290.4001	150	133	-67.39	-13.00	54.39	Pass	Horizontal
4	354.8210	150	133	-63.50	-13.00	50.50	Pass	Horizontal
5	597.9516	150	302	-65.95	-13.00	52.95	Pass	Horizontal
6	799.7520	150	97	-64.21	-13.00	51.21	Pass	Horizontal
7	1258.4258	150	157	-49.89	-13.00	36.89	Pass	Horizontal
8	3534.0267	150	110	-47.62	-13.00	34.62	Pass	Horizontal
9	5190.0000	150	33	-49.98	-13.00	36.98	Pass	Horizontal
10	7785.0000	150	169	-46.09	-13.00	33.09	Pass	Horizontal
11	10380.0000	150	247	-43.81	-13.00	30.81	Pass	Horizontal
12	14859.5930	150	169	-35.99	-13.00	22.99	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.8668	150	133	-69.39	-13.00	56.39	Pass	Vertical
2	95.0030	150	49	-79.43	-13.00	66.43	Pass	Vertical
3	161.1702	150	13	-69.38	-13.00	56.38	Pass	Vertical
4	199.5899	150	180	-66.75	-13.00	53.75	Pass	Vertical
5	354.8210	150	86	-74.28	-13.00	61.28	Pass	Vertical
6	597.3695	150	242	-65.53	-13.00	52.53	Pass	Vertical
7	1270.4270	150	133	-49.60	-13.00	36.60	Pass	Vertical
8	3606.0303	150	285	-47.92	-13.00	34.92	Pass	Vertical
9	5190.0000	150	188	-51.42	-13.00	38.42	Pass	Vertical
10	7785.0000	150	92	-48.11	-13.00	35.11	Pass	Vertical
11	10380.0000	150	285	-44.49	-13.00	31.49	Pass	Vertical
12	15278.1139	150	226	-35.95	-13.00	22.95	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.7920	150	272	-79.43	-13.00	66.43	Pass	Horizontal
2	161.1702	150	1	-57.15	-13.00	44.15	Pass	Horizontal
3	290.2060	150	109	-66.36	-13.00	53.36	Pass	Horizontal
4	398.8678	150	296	-62.26	-13.00	49.26	Pass	Horizontal
5	597.7576	150	50	-66.39	-13.00	53.39	Pass	Horizontal
6	797.0354	150	98	-70.23	-13.00	57.23	Pass	Horizontal
7	1397.2397	150	86	-48.27	-13.00	35.27	Pass	Horizontal
8	3691.5346	150	105	-47.02	-13.00	34.02	Pass	Horizontal
9	5190.0000	150	184	-50.17	-13.00	37.17	Pass	Horizontal
10	7785.0000	150	144	-48.41	-13.00	35.41	Pass	Horizontal
11	10380.0000	150	47	-43.36	-13.00	30.36	Pass	Horizontal
12	14791.3396	150	324	-35.92	-13.00	22.92	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.2549	150	51	-69.13	-13.00	56.13	Pass	Vertical
2	161.1702	150	359	-69.42	-13.00	56.42	Pass	Vertical
3	208.9038	150	62	-69.42	-13.00	56.42	Pass	Vertical
4	290.4001	150	14	-73.35	-13.00	60.35	Pass	Vertical
5	479.7820	150	208	-74.77	-13.00	61.77	Pass	Vertical
6	599.3099	150	327	-64.42	-13.00	51.42	Pass	Vertical
7	1195.8196	150	196	-48.32	-13.00	35.32	Pass	Vertical
8	3600.0300	150	105	-47.80	-13.00	34.80	Pass	Vertical
9	5190.0000	150	324	-50.61	-13.00	37.61	Pass	Vertical
10	7785.0000	150	47	-47.65	-13.00	34.65	Pass	Vertical
11	10380.0000	150	47	-43.31	-13.00	30.31	Pass	Vertical
12	15335.8668	150	223	-35.38	-13.00	22.38	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38225				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	62.4045	150	170	-79.66	-13.00	66.66	Pass	Horizontal
2	161.3643	150	12	-57.06	-13.00	44.06	Pass	Horizontal
3	290.4001	150	122	-67.02	-13.00	54.02	Pass	Horizontal
4	355.0150	150	146	-65.29	-13.00	52.29	Pass	Horizontal
5	598.5337	150	327	-67.38	-13.00	54.38	Pass	Horizontal
6	799.9460	150	97	-65.75	-13.00	52.75	Pass	Horizontal
7	1263.6264	150	352	-49.54	-13.00	36.54	Pass	Horizontal
8	3597.7799	150	0	-46.64	-13.00	33.64	Pass	Horizontal
9	5235.0000	150	169	-49.71	-13.00	36.71	Pass	Horizontal
10	7852.5000	150	304	-47.57	-13.00	34.57	Pass	Horizontal
11	10470.0000	150	342	-45.32	-13.00	32.32	Pass	Horizontal
12	14763.5882	150	226	-35.76	-13.00	22.76	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38225				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.6429	150	278	-67.94	-13.00	54.94	Pass	Vertical
2	161.3643	150	350	-68.90	-13.00	55.90	Pass	Vertical
3	208.9038	150	302	-69.77	-13.00	56.77	Pass	Vertical
4	400.0320	150	254	-70.60	-13.00	57.60	Pass	Vertical
5	599.1158	150	278	-66.25	-13.00	53.25	Pass	Vertical
6	796.4533	150	266	-67.73	-13.00	54.73	Pass	Vertical
7	1398.4398	150	121	-45.64	-13.00	32.64	Pass	Vertical
8	3615.7808	150	0	-47.63	-13.00	34.63	Pass	Vertical
9	5235.0000	150	110	-50.37	-13.00	37.37	Pass	Vertical
10	7852.5000	150	72	-47.03	-13.00	34.03	Pass	Vertical
11	10470.0000	150	0	-44.12	-13.00	31.12	Pass	Vertical
12	15283.3642	150	169	-35.76	-13.00	22.76	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38200				
Remark:	10M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	63.5687	150	344	-79.24	-13.00	66.24	Pass	Horizontal
2	161.3643	150	357	-57.47	-13.00	44.47	Pass	Horizontal
3	290.2060	150	114	-67.36	-13.00	54.36	Pass	Horizontal
4	354.8210	150	143	-62.67	-13.00	49.67	Pass	Horizontal
5	479.1998	150	128	-69.04	-13.00	56.04	Pass	Horizontal
6	597.7576	150	301	-64.93	-13.00	51.93	Pass	Horizontal
7	1324.8325	150	143	-49.80	-13.00	36.80	Pass	Horizontal
8	3221.2611	150	272	-46.39	-13.00	33.39	Pass	Horizontal
9	5230.0000	150	155	-50.92	-13.00	37.92	Pass	Horizontal
10	7845.0000	150	16	-47.02	-13.00	34.02	Pass	Horizontal
11	10460.0000	150	88	-44.20	-13.00	31.20	Pass	Horizontal
12	14760.5880	150	16	-36.14	-13.00	23.14	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38200				
Remark:	10M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.0608	150	72	-69.27	-13.00	56.27	Pass	Vertical
2	161.1702	150	14	-69.47	-13.00	56.47	Pass	Vertical
3	199.9780	150	160	-69.42	-13.00	56.42	Pass	Vertical
4	399.8380	150	203	-71.14	-13.00	58.14	Pass	Vertical
5	598.9218	150	58	-66.67	-13.00	53.67	Pass	Vertical
6	798.0056	150	189	-66.05	-13.00	53.05	Pass	Vertical
7	1420.2420	150	248	-50.08	-13.00	37.08	Pass	Vertical
8	3498.0249	150	86	-47.34	-13.00	34.34	Pass	Vertical
9	5230.0000	150	359	-50.38	-13.00	37.38	Pass	Vertical
10	7845.0000	150	60	-46.73	-13.00	33.73	Pass	Vertical
11	10460.0000	150	293	-44.19	-13.00	31.19	Pass	Vertical
12	15030.6015	150	154	-36.12	-13.00	23.12	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38175				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.9860	150	236	-79.70	-13.00	66.70	Pass	Horizontal
2	161.1702	150	358	-56.86	-13.00	43.86	Pass	Horizontal
3	290.2060	150	102	-67.44	-13.00	54.44	Pass	Horizontal
4	354.8210	150	102	-63.42	-13.00	50.42	Pass	Horizontal
5	479.5879	150	29	-67.15	-13.00	54.15	Pass	Horizontal
6	600.0860	150	299	-67.45	-13.00	54.45	Pass	Horizontal
7	1258.4258	150	145	-49.22	-13.00	36.22	Pass	Horizontal
8	3620.2810	150	97	-48.18	-13.00	35.18	Pass	Horizontal
9	5225.0000	150	315	-50.95	-13.00	37.95	Pass	Horizontal
10	7837.5000	150	192	-47.64	-13.00	34.64	Pass	Horizontal
11	10450.0000	150	336	-43.00	-13.00	30.00	Pass	Horizontal
12	14744.0872	150	75	-35.78	-13.00	22.78	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38175				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.7025	150	339	-69.47	-13.00	56.47	Pass	Vertical
2	161.3643	150	360	-69.01	-13.00	56.01	Pass	Vertical
3	208.9038	150	293	-69.72	-13.00	56.72	Pass	Vertical
4	322.6105	150	76	-73.24	-13.00	60.24	Pass	Vertical
5	597.9516	150	76	-66.97	-13.00	53.97	Pass	Vertical
6	799.1698	150	182	-66.58	-13.00	53.58	Pass	Vertical
7	1398.8399	150	122	-44.53	-13.00	31.53	Pass	Vertical
8	3492.0246	150	36	-48.02	-13.00	35.02	Pass	Vertical
9	5225.0000	150	9	-51.80	-13.00	38.80	Pass	Vertical
10	7837.5000	150	339	-47.62	-13.00	34.62	Pass	Vertical
11	10450.0000	150	358	-43.80	-13.00	30.80	Pass	Vertical
12	15260.8630	150	132	-36.01	-13.00	23.01	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38150				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	61.8224	150	313	-80.25	-13.00	67.25	Pass	Horizontal
2	120.0340	150	1	-72.95	-13.00	59.95	Pass	Horizontal
3	161.3643	150	1	-57.71	-13.00	44.71	Pass	Horizontal
4	354.8210	150	119	-63.48	-13.00	50.48	Pass	Horizontal
5	398.8678	150	360	-65.36	-13.00	52.36	Pass	Horizontal
6	598.5337	150	328	-65.47	-13.00	52.47	Pass	Horizontal
7	1356.8357	150	269	-49.84	-13.00	36.84	Pass	Horizontal
8	3633.7817	150	287	-47.79	-13.00	34.79	Pass	Horizontal
9	5220.0000	150	241	-50.00	-13.00	37.00	Pass	Horizontal
10	7830.0000	150	193	-47.48	-13.00	34.48	Pass	Horizontal
11	10440.0000	150	172	-43.16	-13.00	30.16	Pass	Horizontal
12	14792.8396	150	124	-35.31	-13.00	22.31	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38150				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.4489	150	156	-69.07	-13.00	56.07	Pass	Vertical
2	161.3643	150	28	-69.21	-13.00	56.21	Pass	Vertical
3	208.9038	150	170	-69.64	-13.00	56.64	Pass	Vertical
4	399.0618	150	272	-72.01	-13.00	59.01	Pass	Vertical
5	597.9516	150	286	-67.48	-13.00	54.48	Pass	Vertical
6	723.6887	150	41	-65.89	-13.00	52.89	Pass	Vertical
7	1398.4398	150	127	-46.43	-13.00	33.43	Pass	Vertical
8	3601.5301	150	33	-47.73	-13.00	34.73	Pass	Vertical
9	5220.0000	150	80	-52.14	-13.00	39.14	Pass	Vertical
10	7830.0000	150	55	-48.06	-13.00	35.06	Pass	Vertical
11	10440.0000	150	55	-43.91	-13.00	30.91	Pass	Vertical
12	15297.6149	150	128	-35.94	-13.00	22.94	Pass	Vertical

16QAM

Mode:	LTE Traffic		
Band:	38	Channel:	37775
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.9562	150	184	-77.11	-13.00	64.11	Pass	Horizontal
2	124.1088	150	149	-73.18	-13.00	60.18	Pass	Horizontal
3	167.9616	150	29	-62.48	-13.00	49.48	Pass	Horizontal
4	375.0010	150	1	-74.80	-13.00	61.80	Pass	Horizontal
5	584.9510	150	79	-72.36	-13.00	59.36	Pass	Horizontal
6	687.5975	150	232	-71.58	-13.00	58.58	Pass	Horizontal
7	1398.6399	150	29	-51.11	-13.00	38.11	Pass	Horizontal
8	3869.2935	150	357	-49.53	-13.00	36.53	Pass	Horizontal
9	5145.0000	150	196	-49.95	-13.00	36.95	Pass	Horizontal
10	7717.5000	150	116	-46.40	-13.00	33.40	Pass	Horizontal
11	10290.0000	150	92	-44.38	-13.00	31.38	Pass	Horizontal
12	14495.8248	150	265	-39.30	-13.00	26.30	Pass	Horizontal

Mode:	LTE Traffic		
Band:	38	Channel:	37775
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	266	-66.90	-13.00	53.90	Pass	Vertical
2	130.1240	150	359	-74.27	-13.00	61.27	Pass	Vertical
3	167.9616	150	359	-67.92	-13.00	54.92	Pass	Vertical
4	208.9038	150	148	-67.79	-13.00	54.79	Pass	Vertical
5	399.8380	150	330	-75.45	-13.00	62.45	Pass	Vertical
6	687.5975	150	176	-67.70	-13.00	54.70	Pass	Vertical
7	1199.6200	150	273	-51.66	-13.00	38.66	Pass	Vertical
8	3741.0371	150	231	-48.65	-13.00	35.65	Pass	Vertical
9	5145.0000	150	334	-50.48	-13.00	37.48	Pass	Vertical
10	7717.5000	150	34	-47.65	-13.00	34.65	Pass	Vertical
11	10290.0000	150	345	-44.62	-13.00	31.62	Pass	Vertical
12	15041.8521	150	358	-39.38	-13.00	26.38	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	37800				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.3145	150	34	-77.74	-13.00	64.74	Pass	Horizontal
2	162.7225	150	3	-60.15	-13.00	47.15	Pass	Horizontal
3	230.2481	150	272	-74.50	-13.00	61.50	Pass	Horizontal
4	354.4329	150	332	-68.61	-13.00	55.61	Pass	Horizontal
5	584.9510	150	110	-72.71	-13.00	59.71	Pass	Horizontal
6	687.5975	150	232	-70.22	-13.00	57.22	Pass	Horizontal
7	1595.4595	150	285	-51.46	-13.00	38.46	Pass	Horizontal
8	3177.7589	150	224	-48.78	-13.00	35.78	Pass	Horizontal
9	5150.0000	150	239	-50.00	-13.00	37.00	Pass	Horizontal
10	7725.0000	150	77	-47.26	-13.00	34.26	Pass	Horizontal
11	10300.0000	150	129	-43.70	-13.00	30.70	Pass	Horizontal
12	14448.5724	150	192	-38.60	-13.00	25.60	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37800				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.3297	150	228	-66.13	-13.00	53.13	Pass	Vertical
2	165.6331	150	359	-69.16	-13.00	56.16	Pass	Vertical
3	208.9038	150	190	-68.45	-13.00	55.45	Pass	Vertical
4	375.0010	150	104	-73.94	-13.00	60.94	Pass	Vertical
5	600.4741	150	1	-74.00	-13.00	61.00	Pass	Vertical
6	687.5975	150	172	-67.22	-13.00	54.22	Pass	Vertical
7	1199.6200	150	142	-51.21	-13.00	38.21	Pass	Vertical
8	3199.5100	150	169	-47.89	-13.00	34.89	Pass	Vertical
9	5150.0000	150	124	-50.02	-13.00	37.02	Pass	Vertical
10	7725.0000	150	217	-48.93	-13.00	35.93	Pass	Vertical
11	10300.0000	150	294	-43.71	-13.00	30.71	Pass	Vertical
12	15056.8528	150	107	-39.06	-13.00	26.06	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	37825				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.1800	150	66	-77.34	-13.00	64.34	Pass	Horizontal
2	123.3327	150	169	-69.31	-13.00	56.31	Pass	Horizontal
3	174.1708	150	1	-64.05	-13.00	51.05	Pass	Horizontal
4	362.5825	150	206	-72.72	-13.00	59.72	Pass	Horizontal
5	476.8714	150	132	-72.38	-13.00	59.38	Pass	Horizontal
6	687.5975	150	141	-70.68	-13.00	57.68	Pass	Horizontal
7	1324.4324	150	215	-51.83	-13.00	38.83	Pass	Horizontal
8	3592.5296	150	0	-49.14	-13.00	36.14	Pass	Horizontal
9	5155.0000	150	43	-51.05	-13.00	38.05	Pass	Horizontal
10	7732.5000	150	269	-48.42	-13.00	35.42	Pass	Horizontal
11	10310.0000	150	206	-44.58	-13.00	31.58	Pass	Horizontal
12	14209.3105	150	206	-39.41	-13.00	26.41	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37825				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.1356	150	56	-66.10	-13.00	53.10	Pass	Vertical
2	92.0924	150	41	-76.76	-13.00	63.76	Pass	Vertical
3	208.9038	150	83	-68.31	-13.00	55.31	Pass	Vertical
4	398.8678	150	1	-76.35	-13.00	63.35	Pass	Vertical
5	597.7576	150	70	-74.19	-13.00	61.19	Pass	Vertical
6	796.8414	150	215	-66.43	-13.00	53.43	Pass	Vertical
7	1195.2195	150	198	-51.16	-13.00	38.16	Pass	Vertical
8	3557.2779	150	98	-50.01	-13.00	37.01	Pass	Vertical
9	5155.0000	150	241	-51.37	-13.00	38.37	Pass	Vertical
10	7732.5000	150	77	-48.41	-13.00	35.41	Pass	Vertical
11	10310.0000	150	241	-43.94	-13.00	30.94	Pass	Vertical
12	14296.3148	150	241	-39.23	-13.00	26.23	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	37825				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.3443	150	30	-77.27	-13.00	64.27	Pass	Horizontal
2	115.9592	150	179	-76.09	-13.00	63.09	Pass	Horizontal
3	165.0510	150	39	-63.39	-13.00	50.39	Pass	Horizontal
4	375.0010	150	337	-74.90	-13.00	61.90	Pass	Horizontal
5	479.7820	150	188	-73.82	-13.00	60.82	Pass	Horizontal
6	687.5975	150	161	-70.50	-13.00	57.50	Pass	Horizontal
7	1304.8305	150	170	-52.14	-13.00	39.14	Pass	Horizontal
8	3592.5296	150	222	-50.02	-13.00	37.02	Pass	Horizontal
9	5160.0000	150	285	-50.04	-13.00	37.04	Pass	Horizontal
10	7740.0000	150	49	-49.04	-13.00	36.04	Pass	Horizontal
11	10320.0000	150	4	-44.87	-13.00	31.87	Pass	Horizontal
12	14471.0736	150	66	-39.43	-13.00	26.43	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	37825				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	345	-65.27	-13.00	52.27	Pass	Vertical
2	89.9580	150	289	-76.71	-13.00	63.71	Pass	Vertical
3	173.2006	150	1	-71.57	-13.00	58.57	Pass	Vertical
4	208.9038	150	354	-68.46	-13.00	55.46	Pass	Vertical
5	398.6737	150	29	-76.08	-13.00	63.08	Pass	Vertical
6	687.5975	150	122	-68.18	-13.00	55.18	Pass	Vertical
7	1196.8197	150	289	-52.00	-13.00	39.00	Pass	Vertical
8	3325.5163	150	23	-49.08	-13.00	36.08	Pass	Vertical
9	5160.0000	150	238	-51.88	-13.00	38.88	Pass	Vertical
10	7740.0000	150	85	-48.85	-13.00	35.85	Pass	Vertical
11	10320.0000	150	286	-45.90	-13.00	32.90	Pass	Vertical
12	14300.0650	150	316	-39.70	-13.00	26.70	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.5383	150	218	-76.81	-13.00	63.81	Pass	Horizontal
2	120.0340	150	169	-76.73	-13.00	63.73	Pass	Horizontal
3	167.9616	150	36	-61.56	-13.00	48.56	Pass	Horizontal
4	375.0010	150	343	-74.61	-13.00	61.61	Pass	Horizontal
5	584.9510	150	44	-72.77	-13.00	59.77	Pass	Horizontal
6	687.5975	150	51	-71.47	-13.00	58.47	Pass	Horizontal
7	1398.0398	150	2	-50.78	-13.00	37.78	Pass	Horizontal
8	3081.0041	150	254	-48.18	-13.00	35.18	Pass	Horizontal
9	5190.0000	150	161	-50.58	-13.00	37.58	Pass	Horizontal
10	7785.0000	150	288	-48.16	-13.00	35.16	Pass	Horizontal
11	10380.0000	150	310	-43.95	-13.00	30.95	Pass	Horizontal
12	14574.5787	150	172	-38.90	-13.00	25.90	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	108	-67.33	-13.00	54.33	Pass	Vertical
2	167.9616	150	359	-69.08	-13.00	56.08	Pass	Vertical
3	208.9038	150	164	-67.97	-13.00	54.97	Pass	Vertical
4	309.9980	150	336	-76.54	-13.00	63.54	Pass	Vertical
5	464.2589	150	135	-73.16	-13.00	60.16	Pass	Vertical
6	687.5975	150	73	-66.87	-13.00	53.87	Pass	Vertical
7	1396.2396	150	86	-48.91	-13.00	35.91	Pass	Vertical
8	3191.2596	150	177	-47.52	-13.00	34.52	Pass	Vertical
9	5190.0000	150	256	-51.34	-13.00	38.34	Pass	Vertical
10	7785.0000	150	36	-48.51	-13.00	35.51	Pass	Vertical
11	10380.0000	150	76	-44.17	-13.00	31.17	Pass	Vertical
12	15054.6027	150	353	-39.27	-13.00	26.27	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	49.9860	150	163	-77.64	-13.00	64.64	Pass	Horizontal
2	124.4969	150	79	-73.92	-13.00	60.92	Pass	Horizontal
3	161.7524	150	13	-61.09	-13.00	48.09	Pass	Horizontal
4	208.9038	150	229	-73.58	-13.00	60.58	Pass	Horizontal
5	353.6567	150	332	-68.99	-13.00	55.99	Pass	Horizontal
6	687.5975	150	88	-69.75	-13.00	56.75	Pass	Horizontal
7	1416.6417	150	275	-51.72	-13.00	38.72	Pass	Horizontal
8	3584.2792	150	30	-49.34	-13.00	36.34	Pass	Horizontal
9	5190.0000	150	341	-51.88	-13.00	38.88	Pass	Horizontal
10	7785.0000	150	44	-48.55	-13.00	35.55	Pass	Horizontal
11	10380.0000	150	310	-45.60	-13.00	32.60	Pass	Horizontal
12	14000.0500	150	155	-39.13	-13.00	26.13	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.9416	150	190	-65.38	-13.00	52.38	Pass	Vertical
2	167.9616	150	30	-71.79	-13.00	58.79	Pass	Vertical
3	208.9038	150	134	-69.26	-13.00	56.26	Pass	Vertical
4	398.2857	150	199	-73.41	-13.00	60.41	Pass	Vertical
5	687.5975	150	180	-67.22	-13.00	54.22	Pass	Vertical
6	797.4235	150	209	-68.43	-13.00	55.43	Pass	Vertical
7	1195.4195	150	190	-50.62	-13.00	37.62	Pass	Vertical
8	3192.0096	150	152	-46.88	-13.00	33.88	Pass	Vertical
9	5190.0000	150	197	-51.06	-13.00	38.06	Pass	Vertical
10	7785.0000	150	120	-47.71	-13.00	34.71	Pass	Vertical
11	10380.0000	150	120	-44.20	-13.00	31.20	Pass	Vertical
12	14261.8131	150	90	-38.07	-13.00	25.07	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.9264	150	339	-76.55	-13.00	63.55	Pass	Horizontal
2	103.1526	150	39	-74.92	-13.00	61.92	Pass	Horizontal
3	163.6927	150	1	-63.56	-13.00	50.56	Pass	Horizontal
4	370.1500	150	349	-74.75	-13.00	61.75	Pass	Horizontal
5	584.9510	150	39	-71.55	-13.00	58.55	Pass	Horizontal
6	687.5975	150	39	-70.38	-13.00	57.38	Pass	Horizontal
7	1598.2598	150	293	-51.17	-13.00	38.17	Pass	Horizontal
8	3534.7767	150	253	-49.57	-13.00	36.57	Pass	Horizontal
9	5190.0000	150	142	-50.13	-13.00	37.13	Pass	Horizontal
10	7785.0000	150	142	-48.08	-13.00	35.08	Pass	Horizontal
11	10380.0000	150	65	-44.77	-13.00	31.77	Pass	Horizontal
12	14457.5729	150	205	-38.57	-13.00	25.57	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	141	-66.28	-13.00	53.28	Pass	Vertical
2	208.9038	150	76	-68.37	-13.00	55.37	Pass	Vertical
3	299.9080	150	169	-76.69	-13.00	63.69	Pass	Vertical
4	398.8678	150	1	-74.49	-13.00	61.49	Pass	Vertical
5	598.5337	150	360	-74.04	-13.00	61.04	Pass	Vertical
6	687.5975	150	308	-67.34	-13.00	54.34	Pass	Vertical
7	1397.2397	150	141	-48.46	-13.00	35.46	Pass	Vertical
8	3983.2992	150	102	-49.45	-13.00	36.45	Pass	Vertical
9	5190.0000	150	71	-51.38	-13.00	38.38	Pass	Vertical
10	7785.0000	150	55	-47.82	-13.00	34.82	Pass	Vertical
11	10380.0000	150	163	-44.99	-13.00	31.99	Pass	Vertical
12	14914.3457	150	102	-39.38	-13.00	26.38	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.1204	150	113	-76.90	-13.00	63.90	Pass	Horizontal
2	118.6757	150	169	-71.78	-13.00	58.78	Pass	Horizontal
3	163.3047	150	360	-67.79	-13.00	54.79	Pass	Horizontal
4	375.0010	150	206	-74.13	-13.00	61.13	Pass	Horizontal
5	466.0052	150	206	-72.03	-13.00	59.03	Pass	Horizontal
6	687.5975	150	150	-70.94	-13.00	57.94	Pass	Horizontal
7	1400.2400	150	49	-51.42	-13.00	38.42	Pass	Horizontal
8	3756.0378	150	208	-50.16	-13.00	37.16	Pass	Horizontal
9	5190.0000	150	11	-50.79	-13.00	37.79	Pass	Horizontal
10	7785.0000	150	163	-47.82	-13.00	34.82	Pass	Horizontal
11	10380.0000	150	56	-44.69	-13.00	31.69	Pass	Horizontal
12	14347.3174	150	133	-38.45	-13.00	25.45	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38000				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.1356	150	20	-66.08	-13.00	53.08	Pass	Vertical
2	90.1520	150	191	-77.50	-13.00	64.50	Pass	Vertical
3	208.9038	150	69	-68.25	-13.00	55.25	Pass	Vertical
4	398.4797	150	134	-74.78	-13.00	61.78	Pass	Vertical
5	687.5975	150	116	-66.54	-13.00	53.54	Pass	Vertical
6	895.9952	150	143	-61.62	-13.00	48.62	Pass	Vertical
7	1302.6303	150	154	-52.12	-13.00	39.12	Pass	Vertical
8	3186.7593	150	237	-48.18	-13.00	35.18	Pass	Vertical
9	5190.0000	150	205	-51.55	-13.00	38.55	Pass	Vertical
10	7785.0000	150	34	-48.11	-13.00	35.11	Pass	Vertical
11	10380.0000	150	330	-45.25	-13.00	32.25	Pass	Vertical
12	15062.1031	150	160	-39.24	-13.00	26.24	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38225				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	44	-77.16	-13.00	64.16	Pass	Horizontal
2	161.3643	150	0	-63.13	-13.00	50.13	Pass	Horizontal
3	233.3527	150	286	-74.74	-13.00	61.74	Pass	Horizontal
4	353.2687	150	324	-69.21	-13.00	56.21	Pass	Horizontal
5	481.5283	150	127	-71.29	-13.00	58.29	Pass	Horizontal
6	687.5975	150	90	-70.41	-13.00	57.41	Pass	Horizontal
7	1796.4796	150	7	-49.55	-13.00	36.55	Pass	Horizontal
8	3510.7755	150	343	-50.24	-13.00	37.24	Pass	Horizontal
9	5235.0000	150	192	-51.27	-13.00	38.27	Pass	Horizontal
10	7852.5000	150	288	-48.36	-13.00	35.36	Pass	Horizontal
11	10470.0000	150	224	-45.18	-13.00	32.18	Pass	Horizontal
12	15008.8504	150	270	-39.55	-13.00	26.55	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38225				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	4	-65.86	-13.00	52.86	Pass	Vertical
2	165.8272	150	23	-72.27	-13.00	59.27	Pass	Vertical
3	208.9038	150	112	-68.89	-13.00	55.89	Pass	Vertical
4	398.2857	150	4	-73.53	-13.00	60.53	Pass	Vertical
5	687.5975	150	169	-67.39	-13.00	54.39	Pass	Vertical
6	796.4533	150	169	-68.64	-13.00	55.64	Pass	Vertical
7	1395.4395	150	122	-48.36	-13.00	35.36	Pass	Vertical
8	3894.7947	150	206	-50.16	-13.00	37.16	Pass	Vertical
9	5235.0000	150	296	-51.80	-13.00	38.80	Pass	Vertical
10	7852.5000	150	30	-47.81	-13.00	34.81	Pass	Vertical
11	10470.0000	150	358	-45.91	-13.00	32.91	Pass	Vertical
12	14301.5651	150	128	-39.42	-13.00	26.42	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38200				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.1204	150	194	-77.40	-13.00	64.40	Pass	Horizontal
2	122.7506	150	194	-70.22	-13.00	57.22	Pass	Horizontal
3	176.6933	150	46	-66.24	-13.00	53.24	Pass	Horizontal
4	351.9104	150	352	-71.77	-13.00	58.77	Pass	Horizontal
5	478.6177	150	147	-73.10	-13.00	60.10	Pass	Horizontal
6	687.5975	150	92	-70.91	-13.00	57.91	Pass	Horizontal
7	1306.8307	150	27	-52.23	-13.00	39.23	Pass	Horizontal
8	3485.2743	150	86	-49.67	-13.00	36.67	Pass	Horizontal
9	5230.0000	150	147	-51.50	-13.00	38.50	Pass	Horizontal
10	7845.0000	150	41	-47.81	-13.00	34.81	Pass	Horizontal
11	10460.0000	150	194	-45.84	-13.00	32.84	Pass	Horizontal
12	14549.0775	150	255	-38.64	-13.00	25.64	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38200				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	321	-65.72	-13.00	52.72	Pass	Vertical
2	172.2304	150	2	-72.01	-13.00	59.01	Pass	Vertical
3	208.9038	150	176	-68.17	-13.00	55.17	Pass	Vertical
4	398.8678	150	39	-74.92	-13.00	61.92	Pass	Vertical
5	687.5975	150	358	-66.38	-13.00	53.38	Pass	Vertical
6	799.3639	150	195	-68.78	-13.00	55.78	Pass	Vertical
7	1396.6397	150	146	-49.13	-13.00	36.13	Pass	Vertical
8	3531.0266	150	223	-49.91	-13.00	36.91	Pass	Vertical
9	5230.0000	150	76	-51.20	-13.00	38.20	Pass	Vertical
10	7845.0000	150	109	-48.64	-13.00	35.64	Pass	Vertical
11	10460.0000	150	299	-44.77	-13.00	31.77	Pass	Vertical
12	14335.3168	150	285	-39.45	-13.00	26.45	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38175				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	51.1502	150	286	-76.65	-13.00	63.65	Pass	Horizontal
2	109.3619	150	194	-76.08	-13.00	63.08	Pass	Horizontal
3	164.4689	150	1	-64.06	-13.00	51.06	Pass	Horizontal
4	208.9038	150	222	-76.36	-13.00	63.36	Pass	Horizontal
5	354.4329	150	359	-75.10	-13.00	62.10	Pass	Horizontal
6	687.5975	150	148	-70.19	-13.00	57.19	Pass	Horizontal
7	1594.8595	150	296	-50.82	-13.00	37.82	Pass	Horizontal
8	3790.5395	150	194	-49.77	-13.00	36.77	Pass	Horizontal
9	5225.0000	150	133	-52.19	-13.00	39.19	Pass	Horizontal
10	7837.5000	150	147	-48.04	-13.00	35.04	Pass	Horizontal
11	10450.0000	150	239	-45.21	-13.00	32.21	Pass	Horizontal
12	15012.6006	150	316	-39.38	-13.00	26.38	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38175				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	29	-65.33	-13.00	52.33	Pass	Vertical
2	143.9008	150	159	-73.83	-13.00	60.83	Pass	Vertical
3	208.9038	150	177	-68.44	-13.00	55.44	Pass	Vertical
4	398.8678	150	122	-76.35	-13.00	63.35	Pass	Vertical
5	597.1754	150	48	-74.24	-13.00	61.24	Pass	Vertical
6	687.5975	150	11	-67.64	-13.00	54.64	Pass	Vertical
7	1199.6200	150	140	-51.11	-13.00	38.11	Pass	Vertical
8	3195.7598	150	110	-47.65	-13.00	34.65	Pass	Vertical
9	5225.0000	150	345	-51.57	-13.00	38.57	Pass	Vertical
10	7837.5000	150	359	-48.85	-13.00	35.85	Pass	Vertical
11	10450.0000	150	144	-44.90	-13.00	31.90	Pass	Vertical
12	15058.3529	150	130	-39.86	-13.00	26.86	Pass	Vertical

Mode:	LTE Traffic						
Band:	38	Channel:	38150				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	50.9562	150	178	-76.94	-13.00	63.94	Pass	Horizontal
2	120.0340	150	198	-75.79	-13.00	62.79	Pass	Horizontal
3	164.6629	150	20	-63.58	-13.00	50.58	Pass	Horizontal
4	375.0010	150	207	-73.45	-13.00	60.45	Pass	Horizontal
5	478.4237	150	132	-73.79	-13.00	60.79	Pass	Horizontal
6	687.5975	150	150	-70.03	-13.00	57.03	Pass	Horizontal
7	1192.0192	150	104	-51.78	-13.00	38.78	Pass	Horizontal
8	3933.7967	150	176	-50.09	-13.00	37.09	Pass	Horizontal
9	5220.0000	150	162	-50.93	-13.00	37.93	Pass	Horizontal
10	7830.0000	150	145	-48.18	-13.00	35.18	Pass	Horizontal
11	10440.0000	150	269	-44.89	-13.00	31.89	Pass	Horizontal
12	14562.5781	150	7	-38.83	-13.00	25.83	Pass	Horizontal

Mode:	LTE Traffic						
Band:	38	Channel:	38150				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.5237	150	358	-65.41	-13.00	52.41	Pass	Vertical
2	129.9300	150	171	-74.82	-13.00	61.82	Pass	Vertical
3	208.9038	150	293	-68.64	-13.00	55.64	Pass	Vertical
4	300.1020	150	218	-77.01	-13.00	64.01	Pass	Vertical
5	398.4797	150	227	-75.76	-13.00	62.76	Pass	Vertical
6	687.5975	150	125	-68.18	-13.00	55.18	Pass	Vertical
7	1285.8286	150	12	-51.73	-13.00	38.73	Pass	Vertical
8	3185.2593	150	109	-47.95	-13.00	34.95	Pass	Vertical
9	5220.0000	150	298	-51.55	-13.00	38.55	Pass	Vertical
10	7830.0000	150	63	-48.63	-13.00	35.63	Pass	Vertical
11	10440.0000	150	267	-45.38	-13.00	32.38	Pass	Vertical
12	14345.8173	150	316	-39.10	-13.00	26.10	Pass	Vertical

Note:

Scan from 9kHz to 25GHz, the disturbance above 18GHz 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.

PHOTOGRAPHS OF TEST SETUP

Test model No.: GLMM18A02

Radiated spurious emission Test Setup-1(Below 1GHz)

Radiated spurious emission Test Setup-2(Above 1GHz)

Radiated spurious emission Test Setup-3(Close-up)

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.EED32K00246401 for EUT external and internal photos.

*** End of Report ***