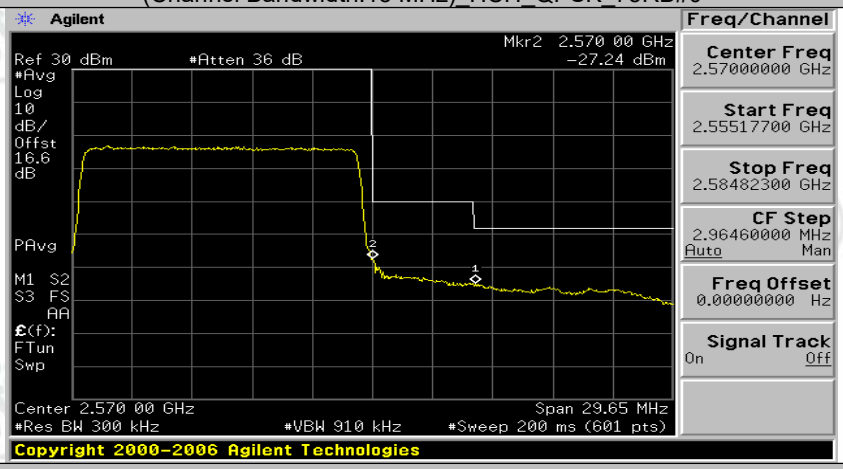
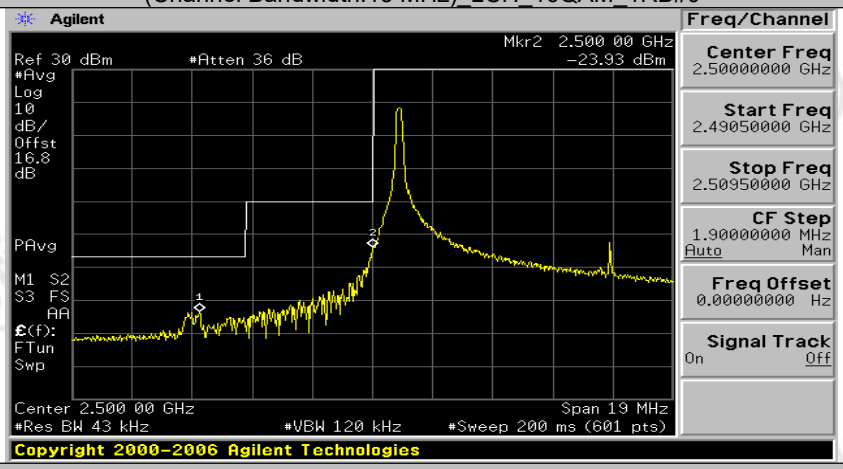
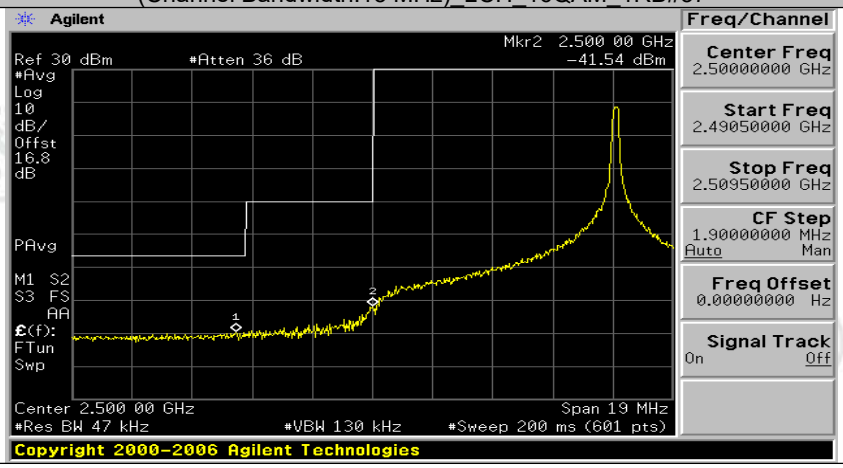
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



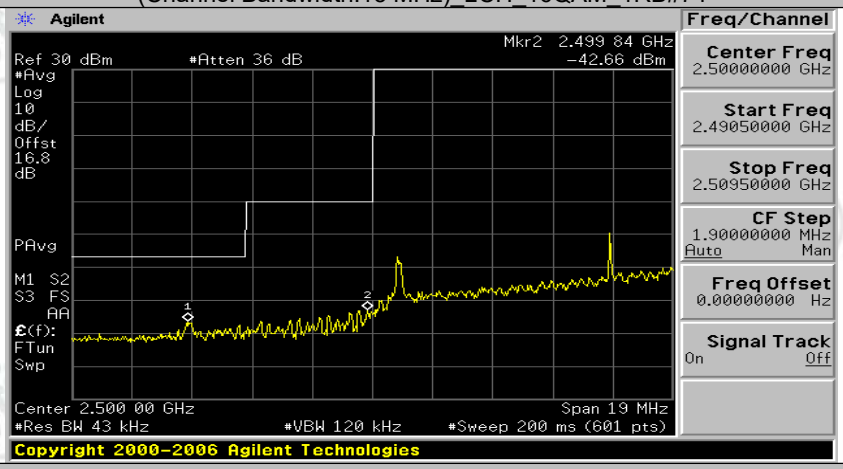
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



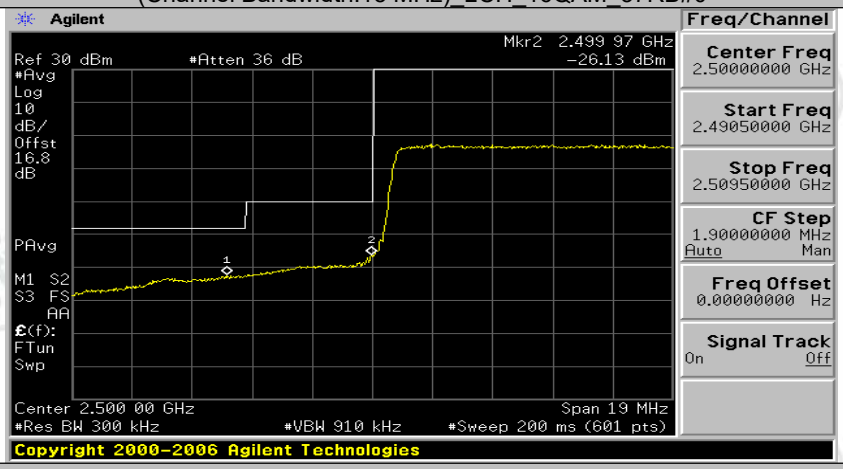
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



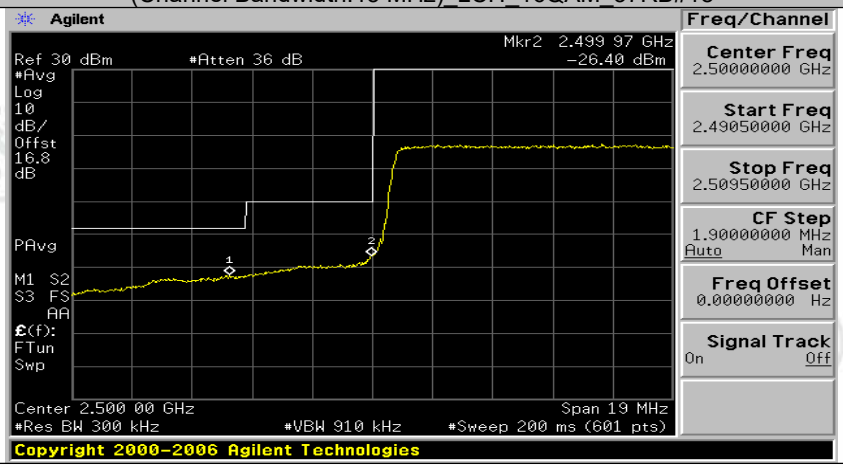
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



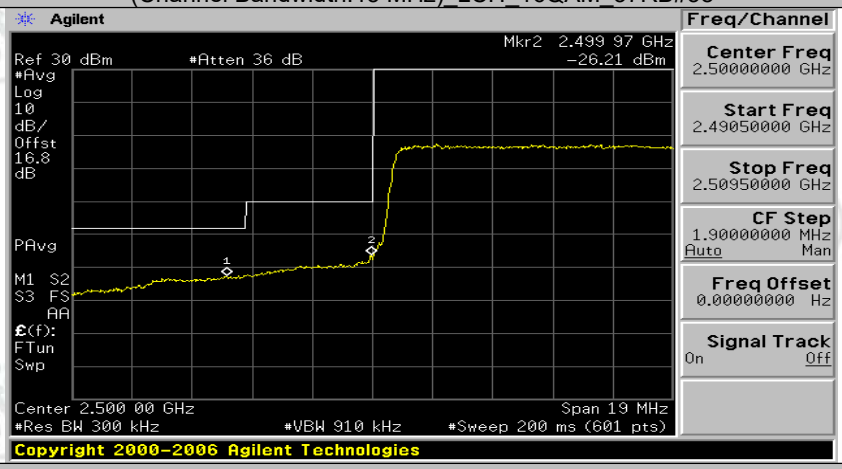
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0



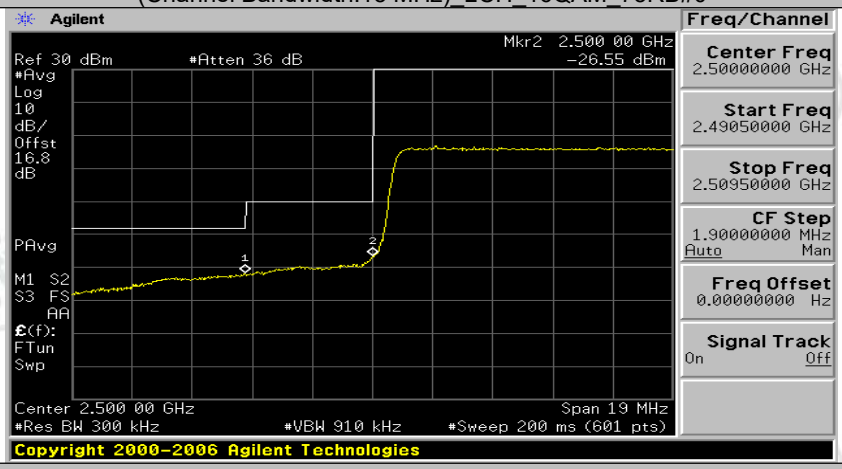
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18



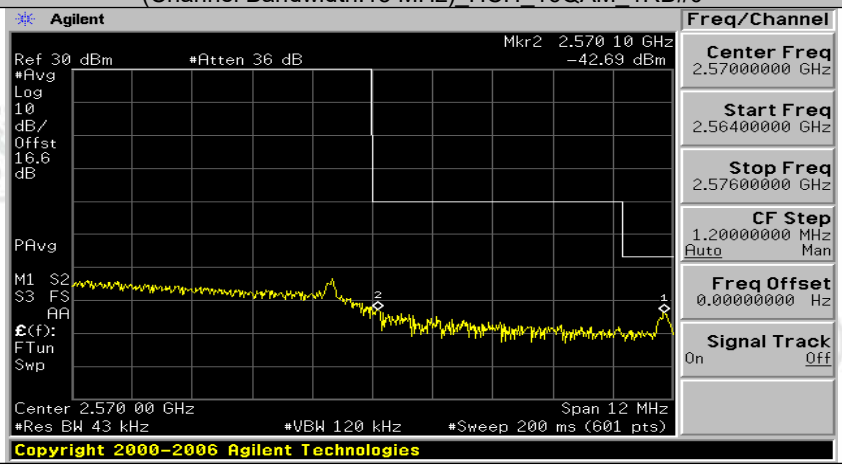
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38



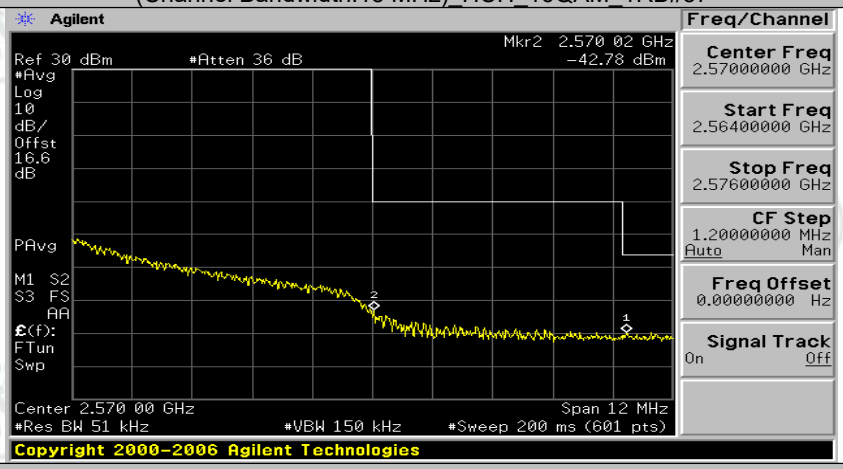
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



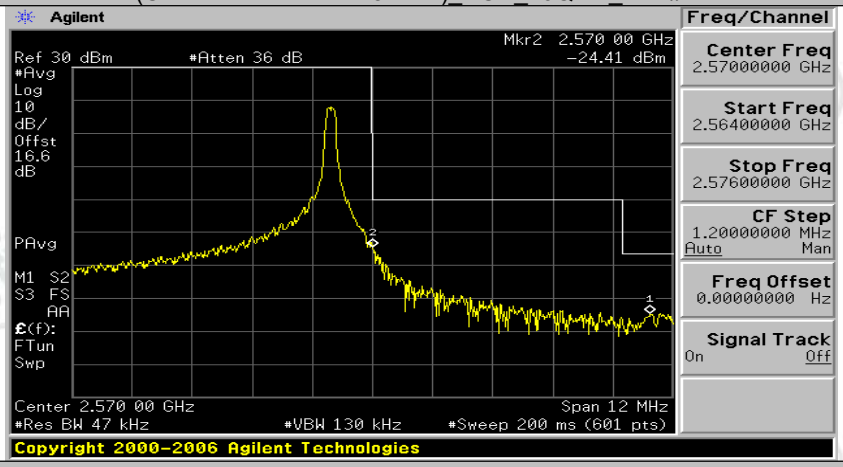
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



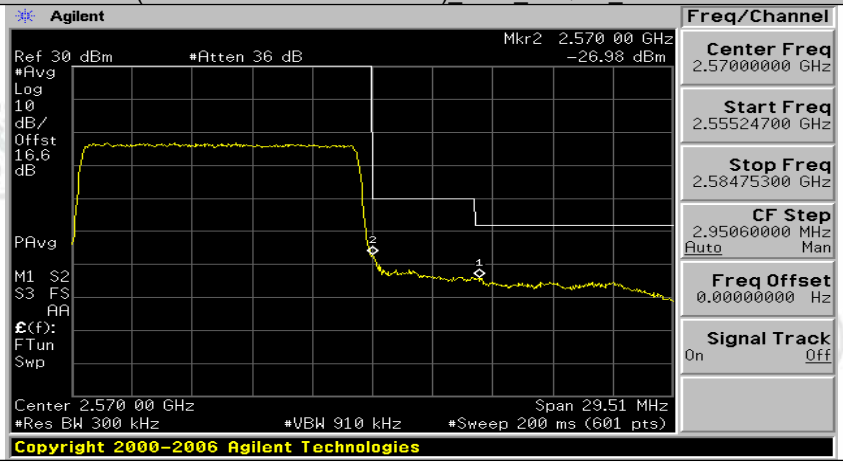
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



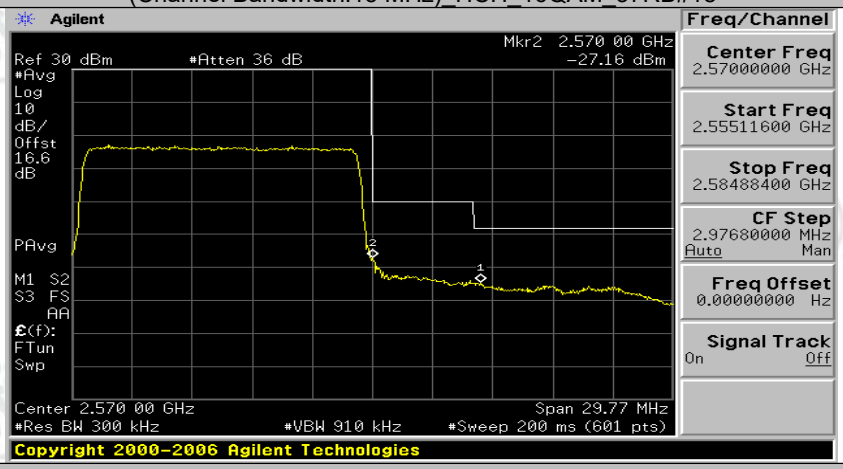
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



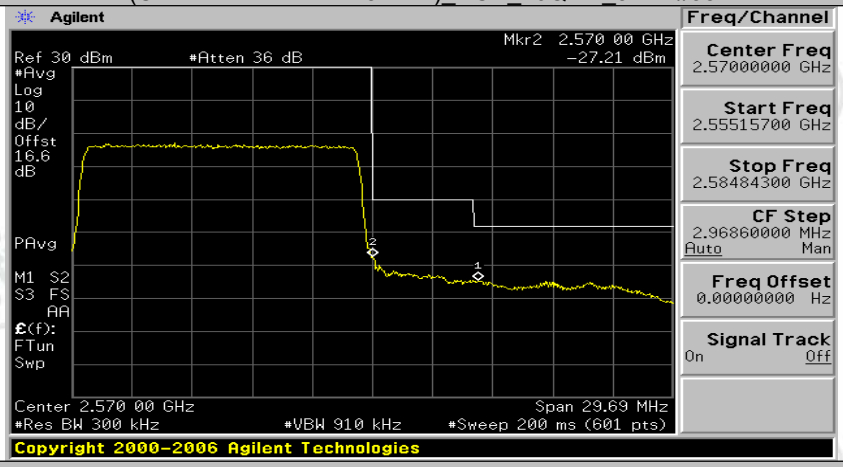
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0



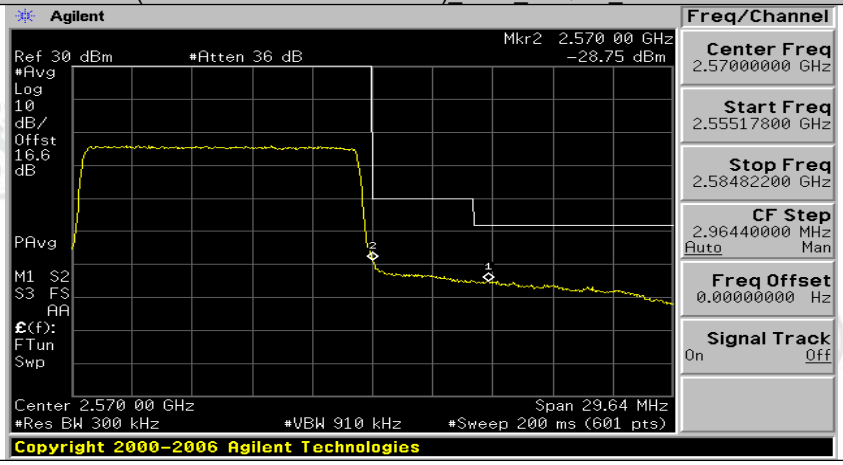
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

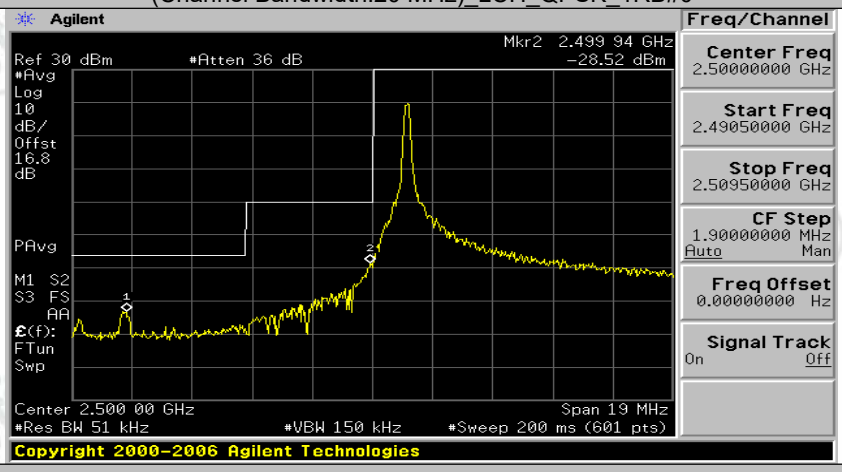


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

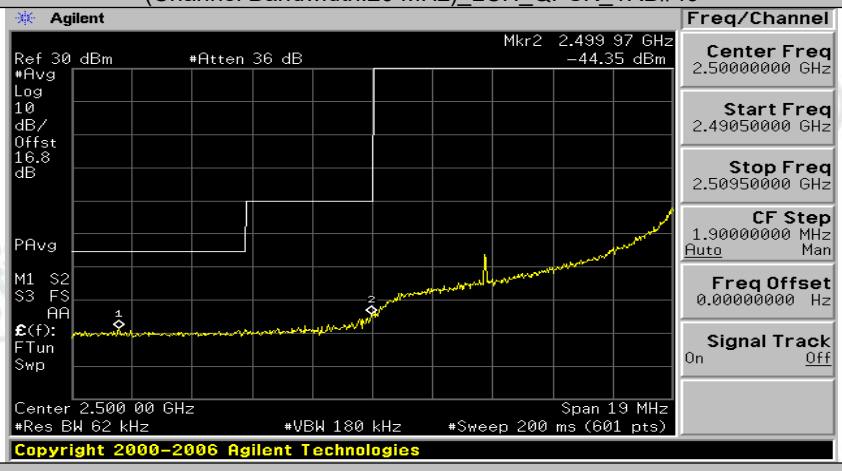


Channel Bandwidth: 20 MHz

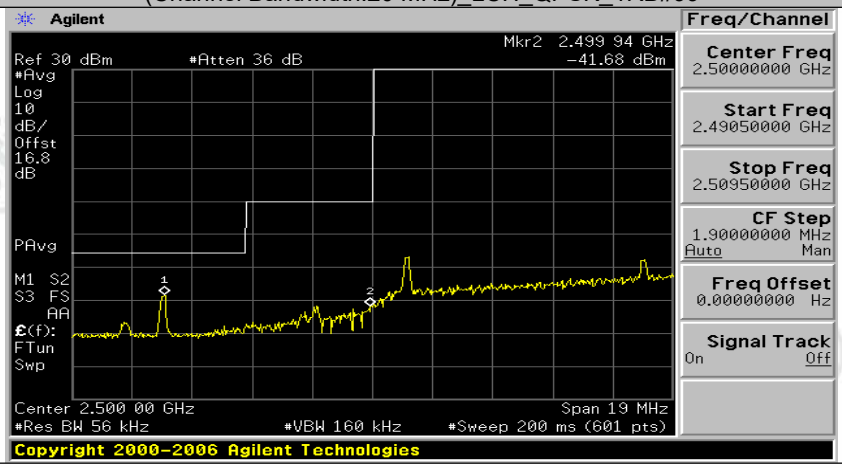
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



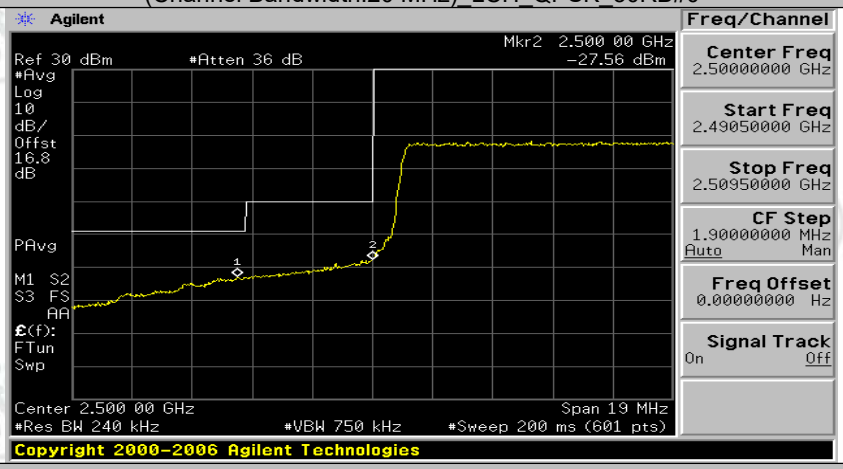
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



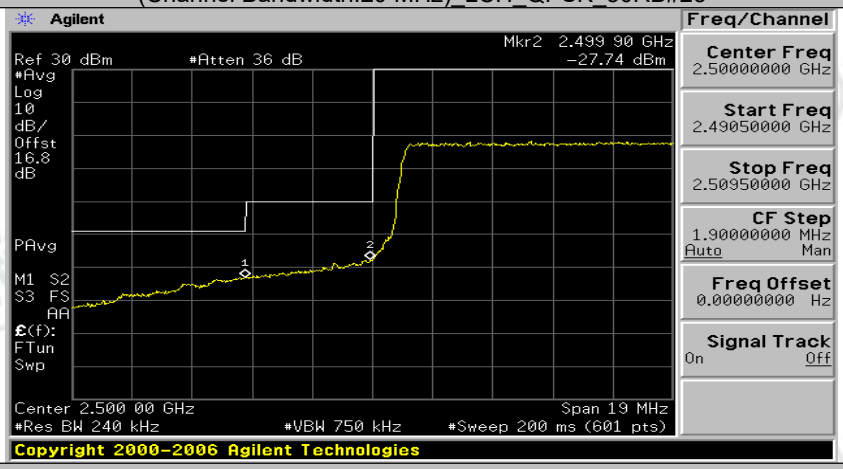
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



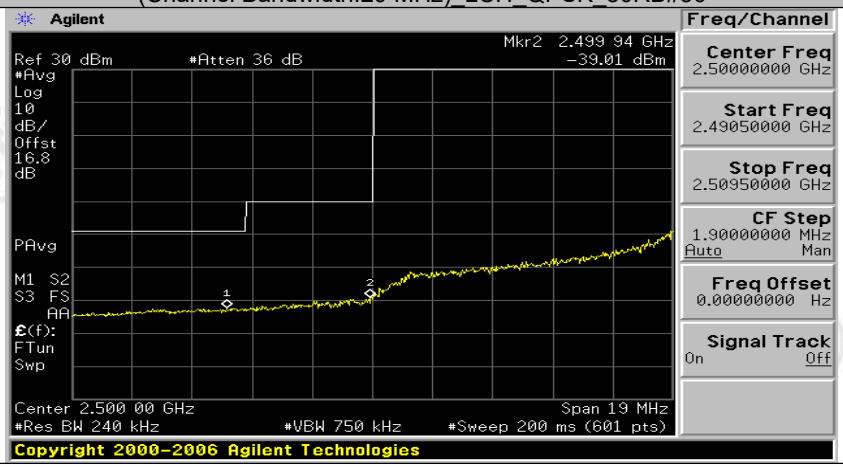
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0



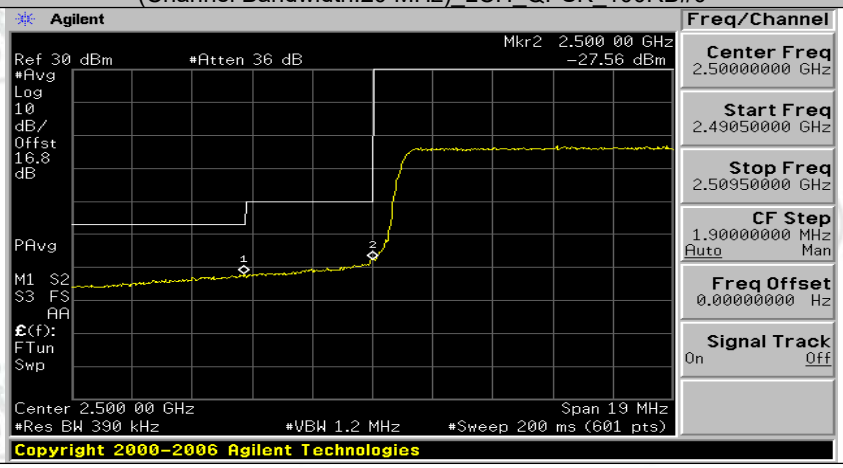
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25



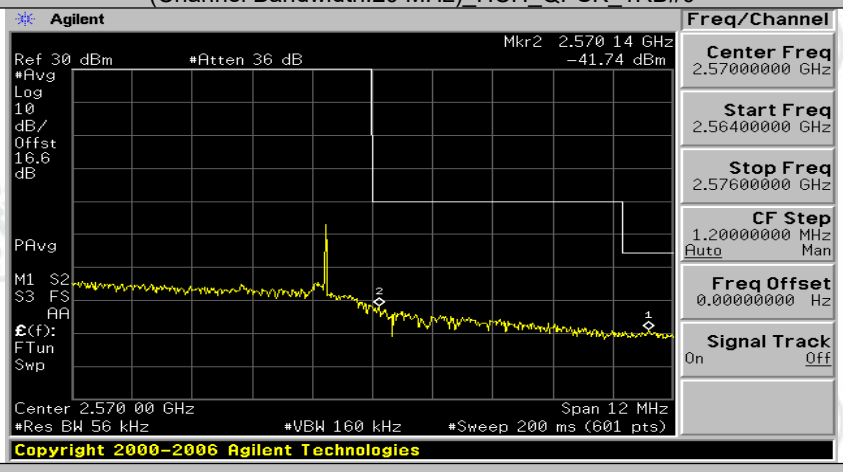
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



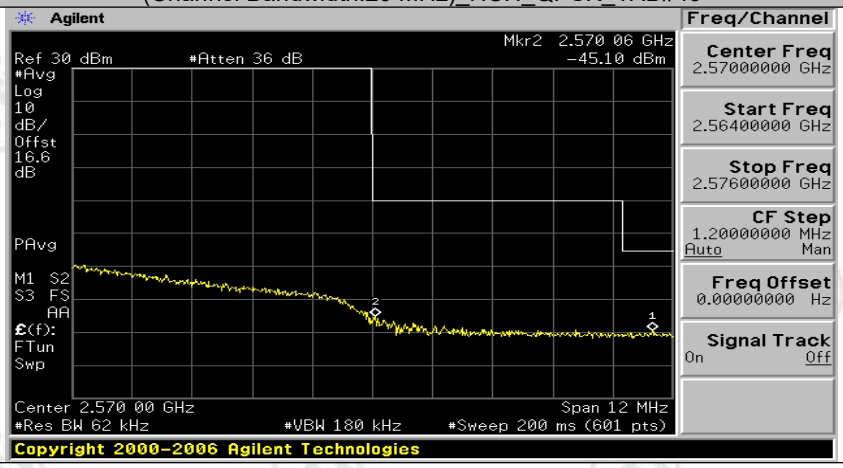
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



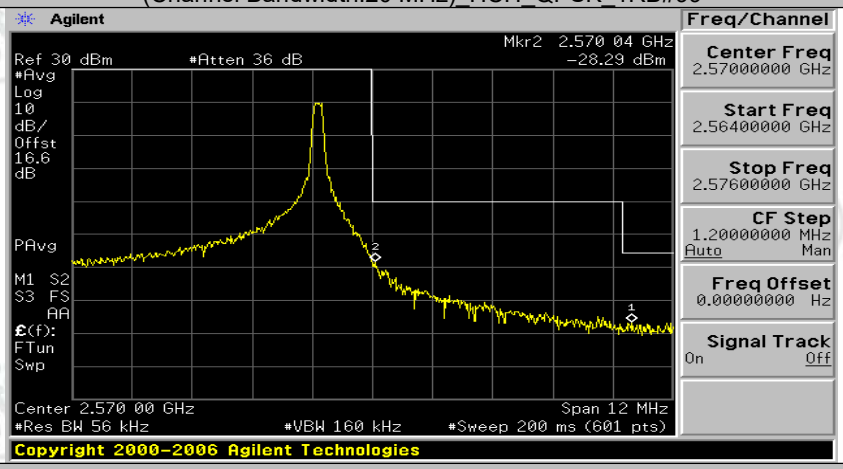
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



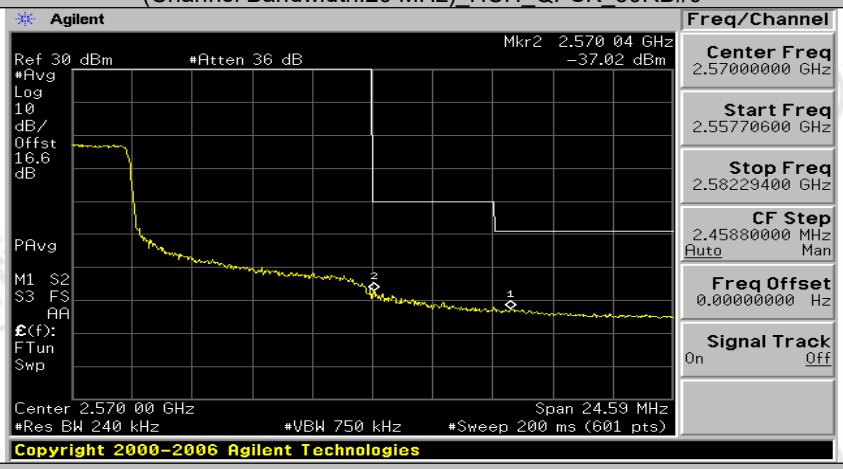
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



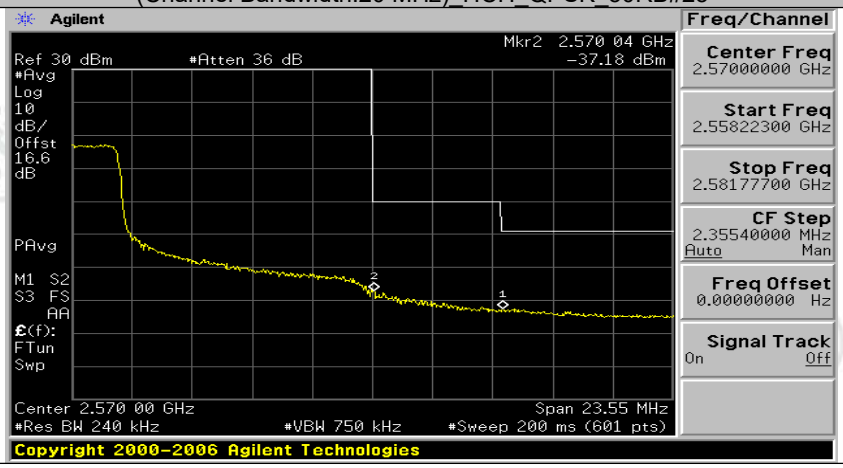
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



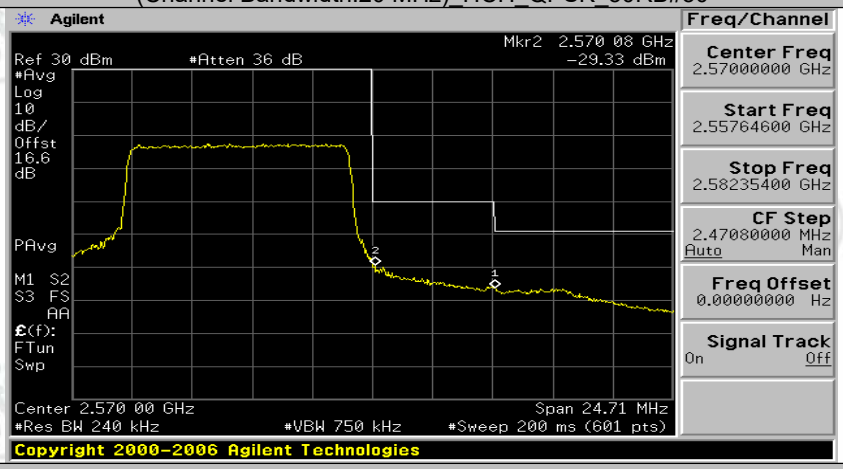
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0



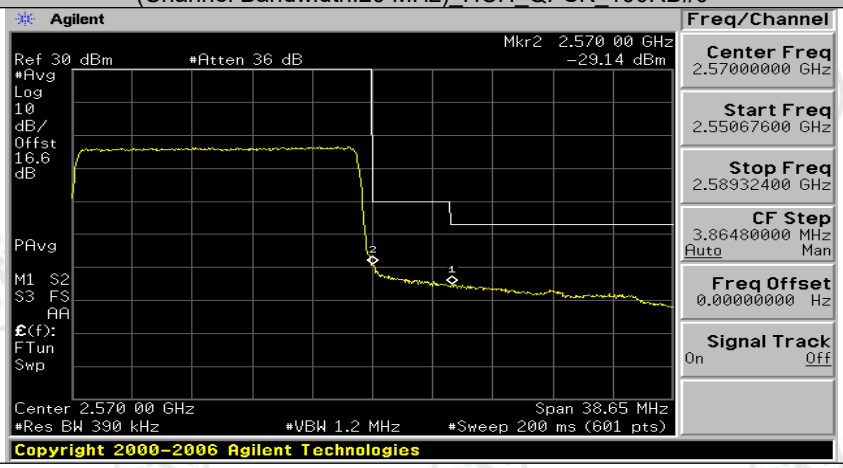
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25



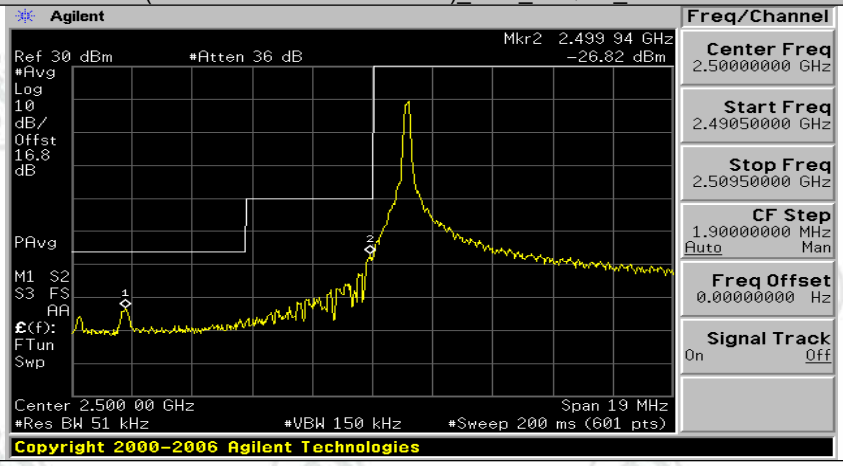
(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50



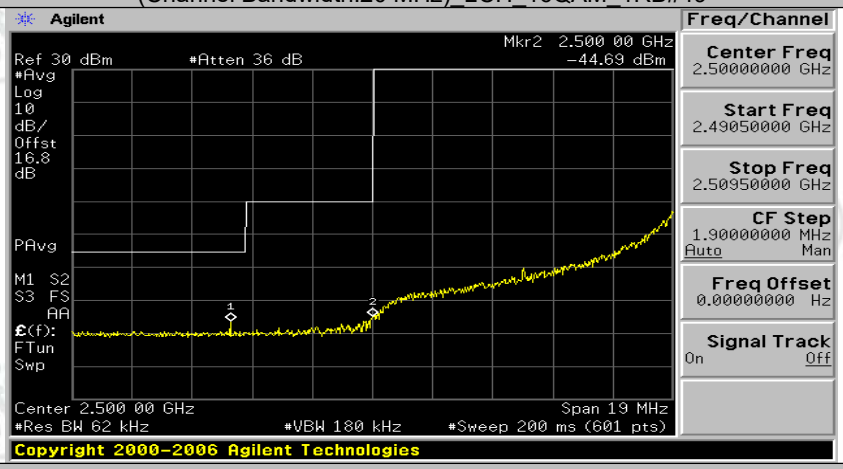
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



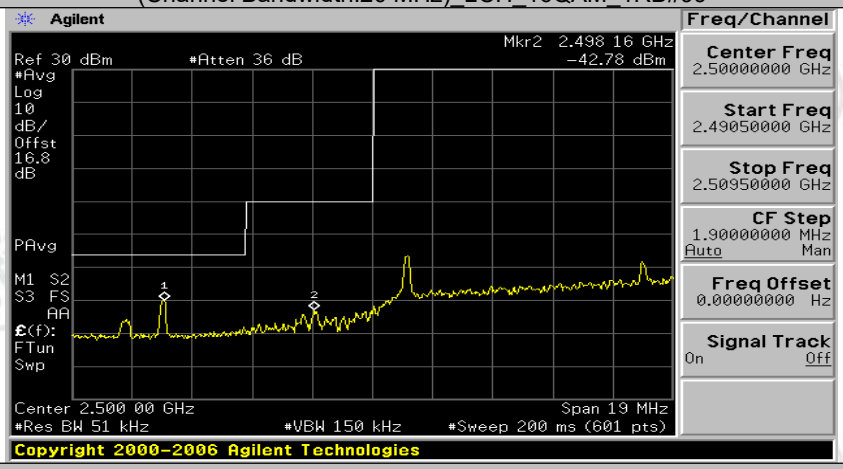
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



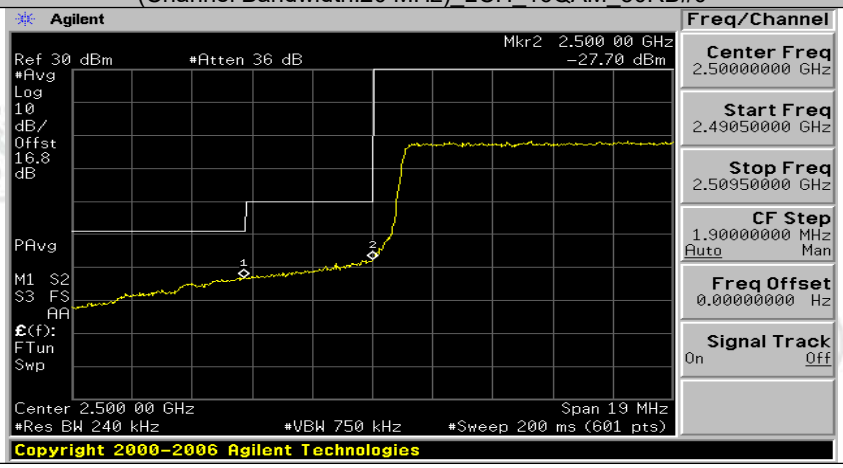
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



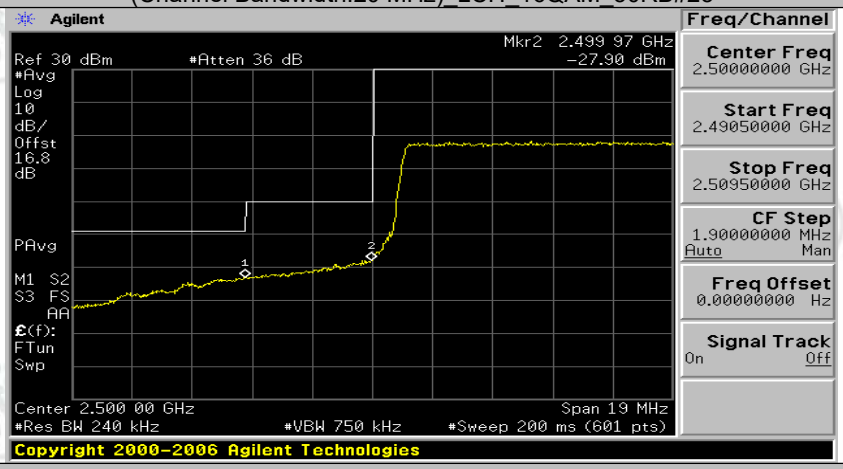
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99



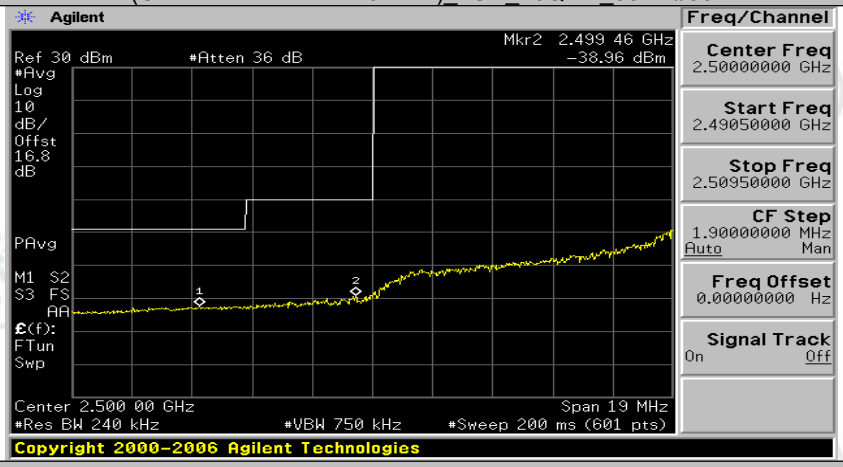
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0



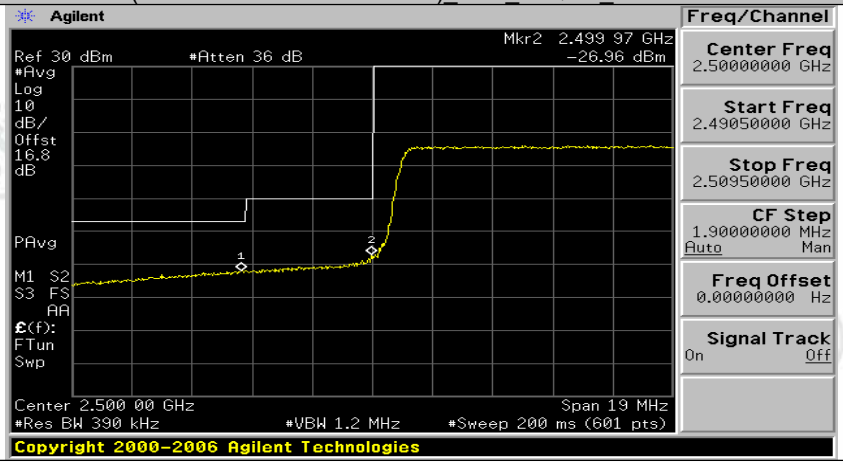
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25



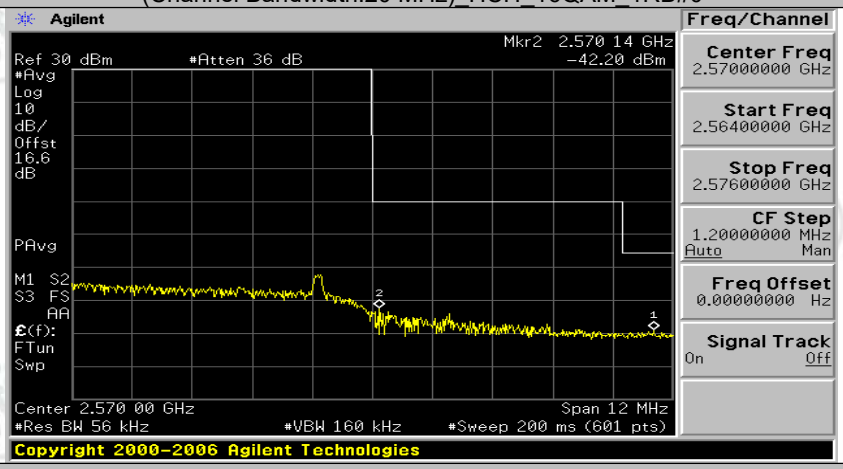
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50



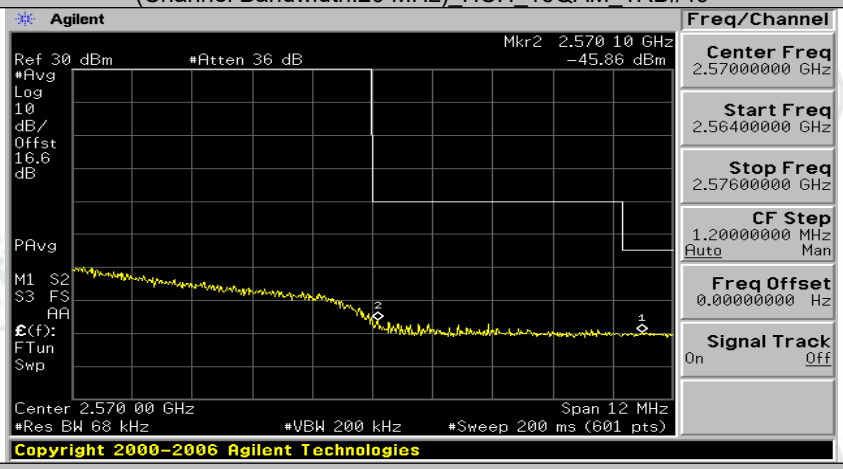
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



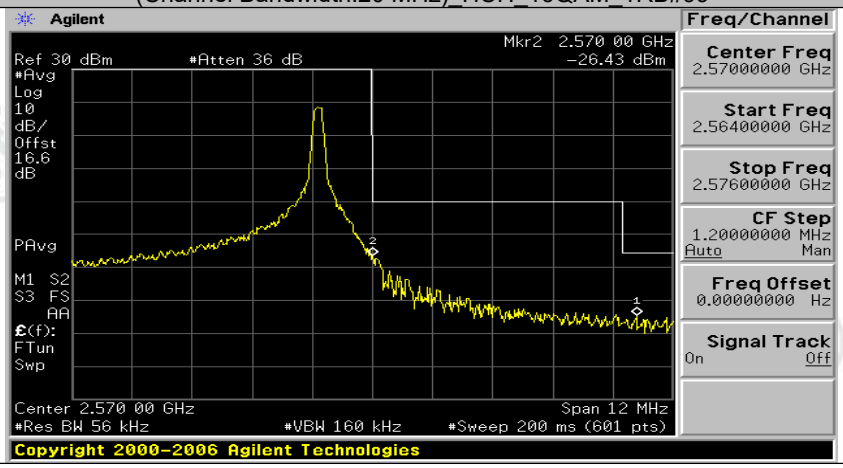
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



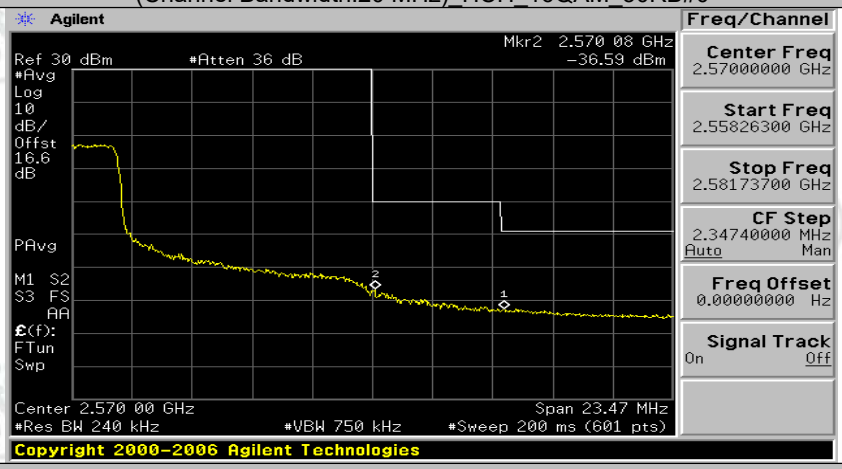
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



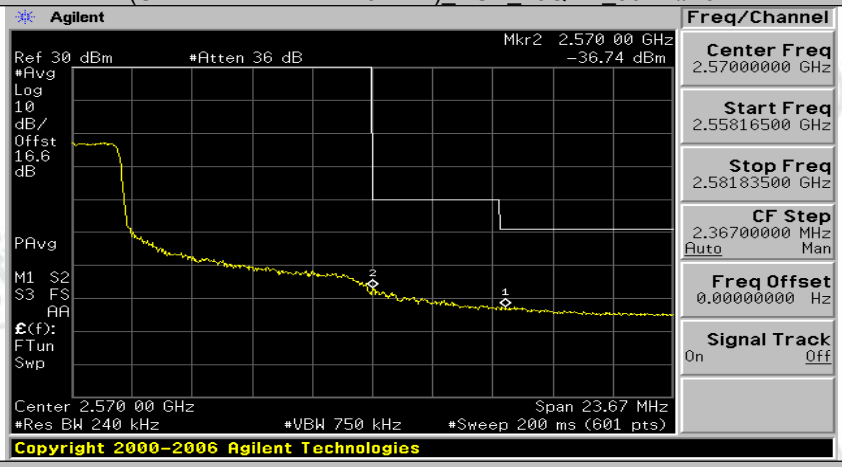
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



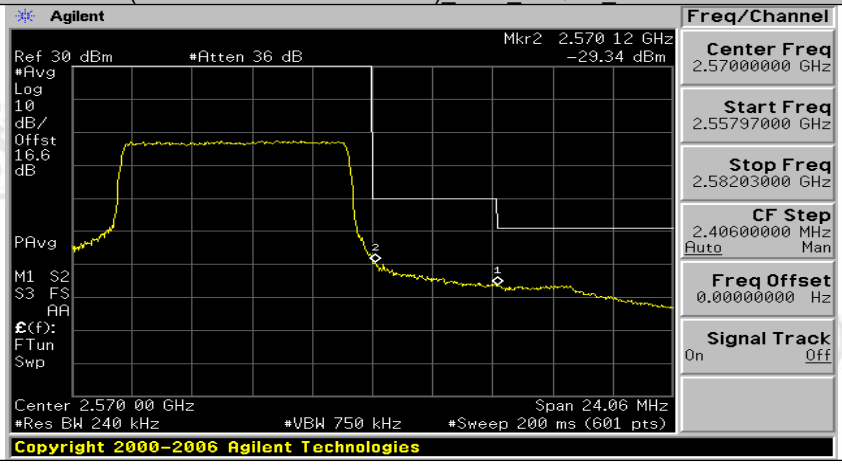
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0



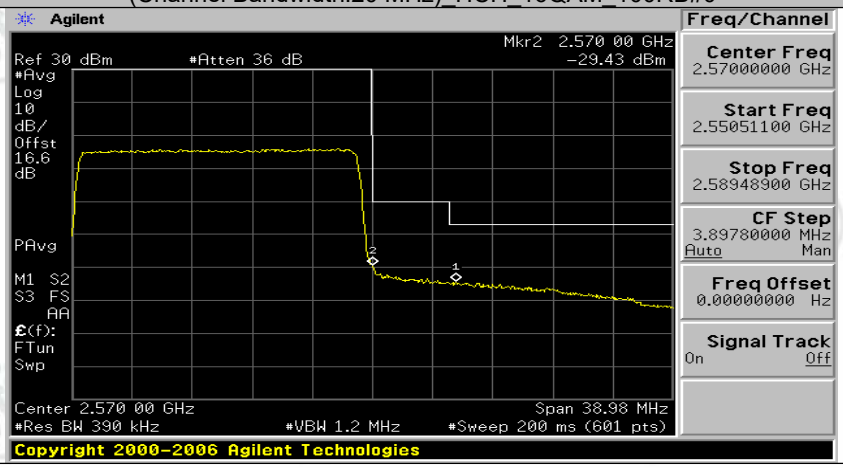
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

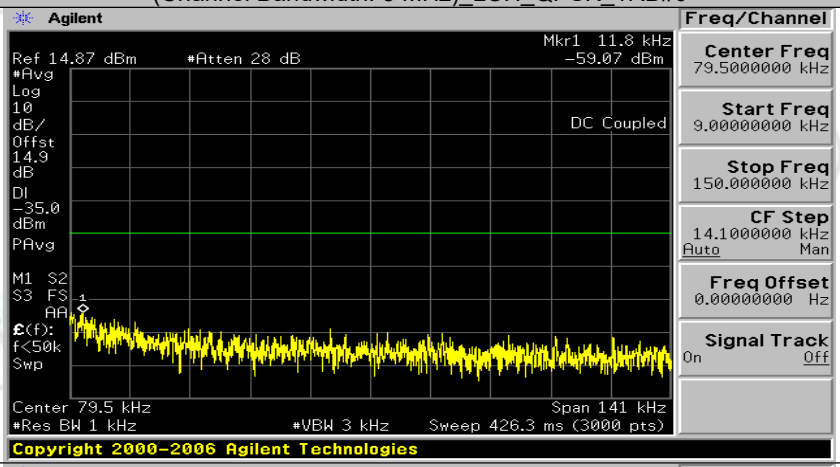


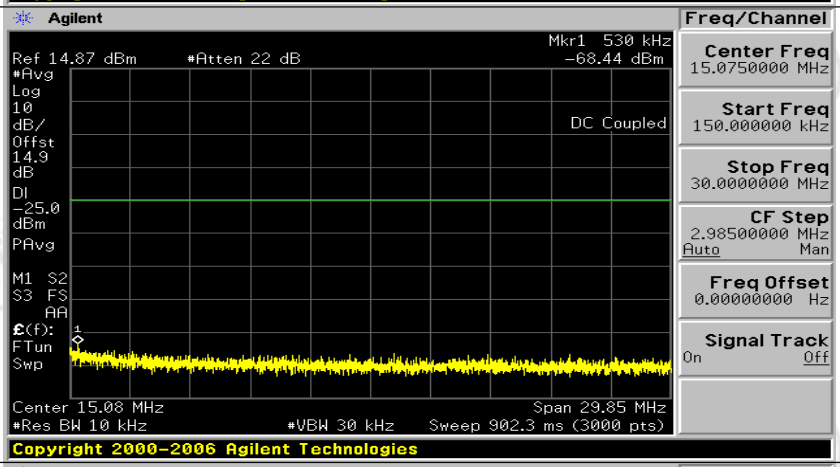
Appendix E): Conducted Spurious Emission

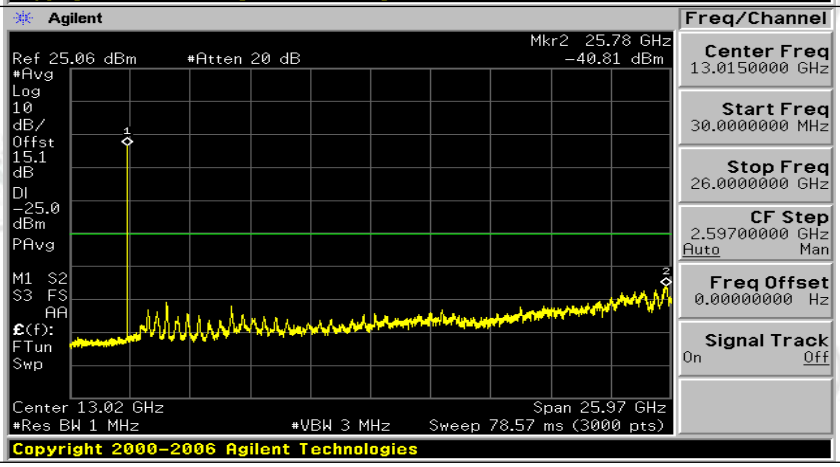
Test Graphs

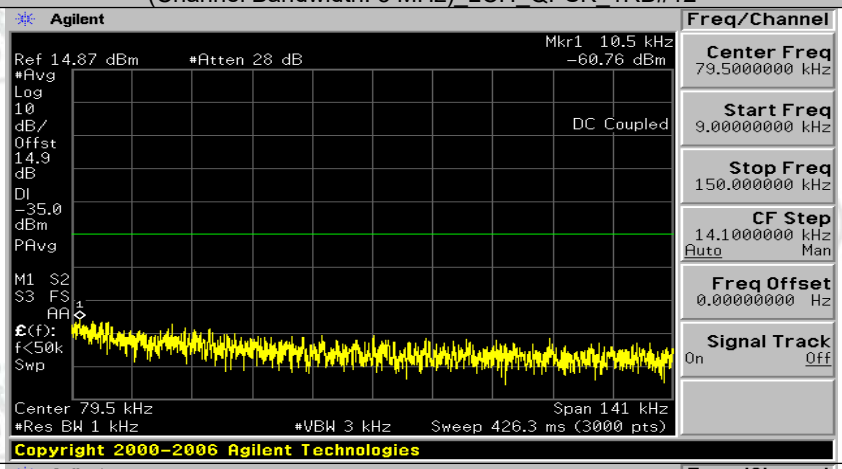
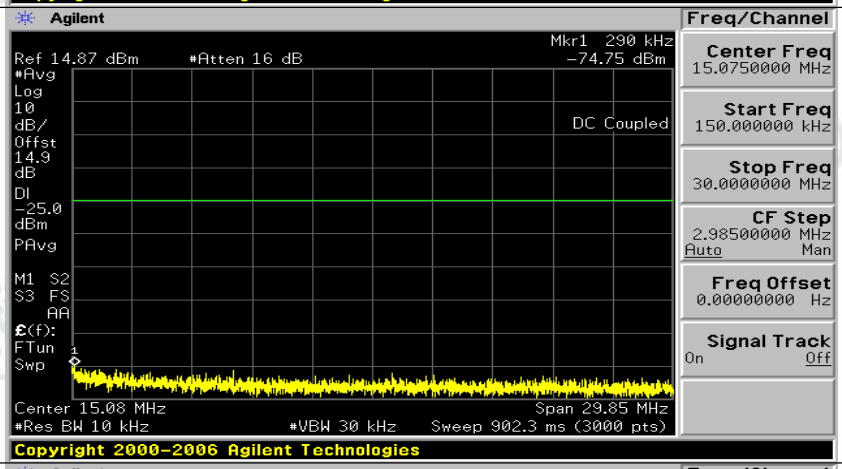
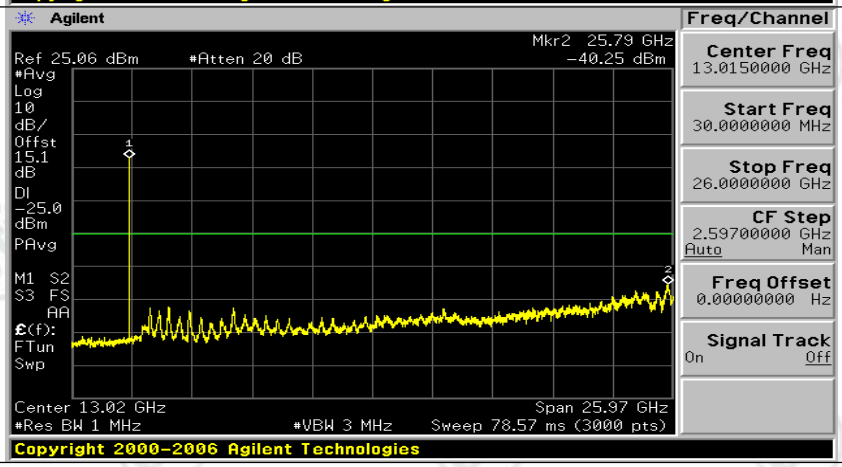
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

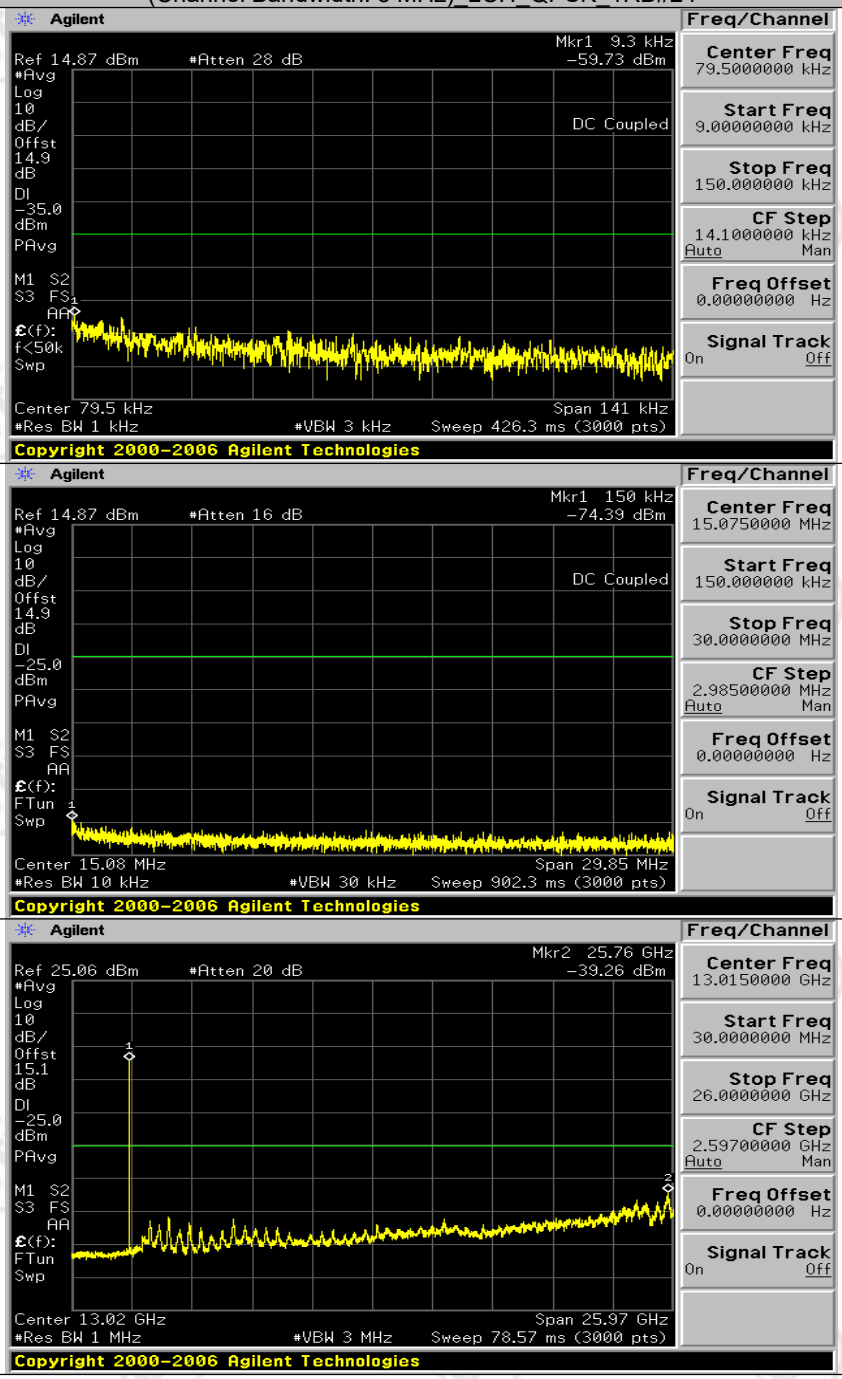




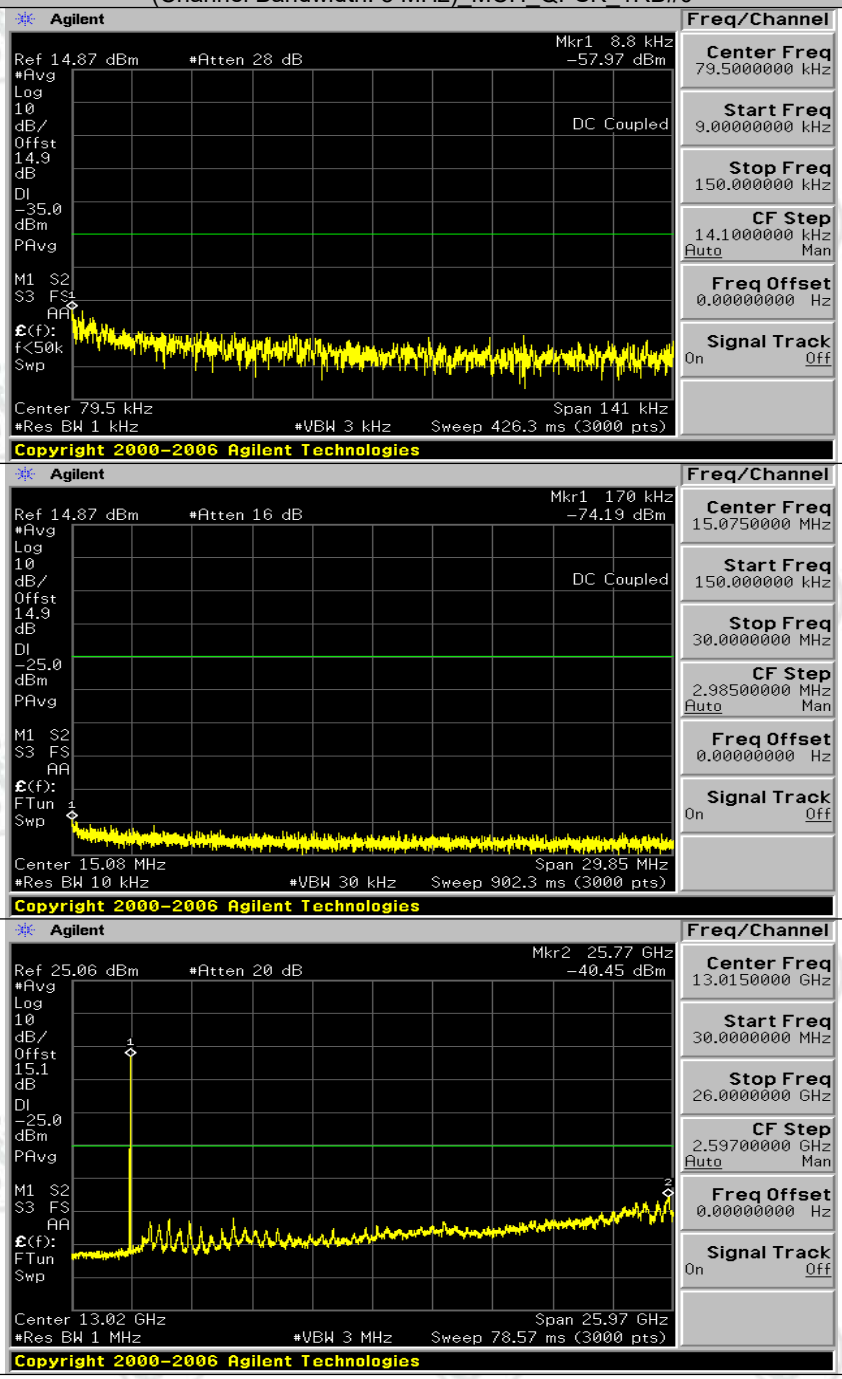


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12




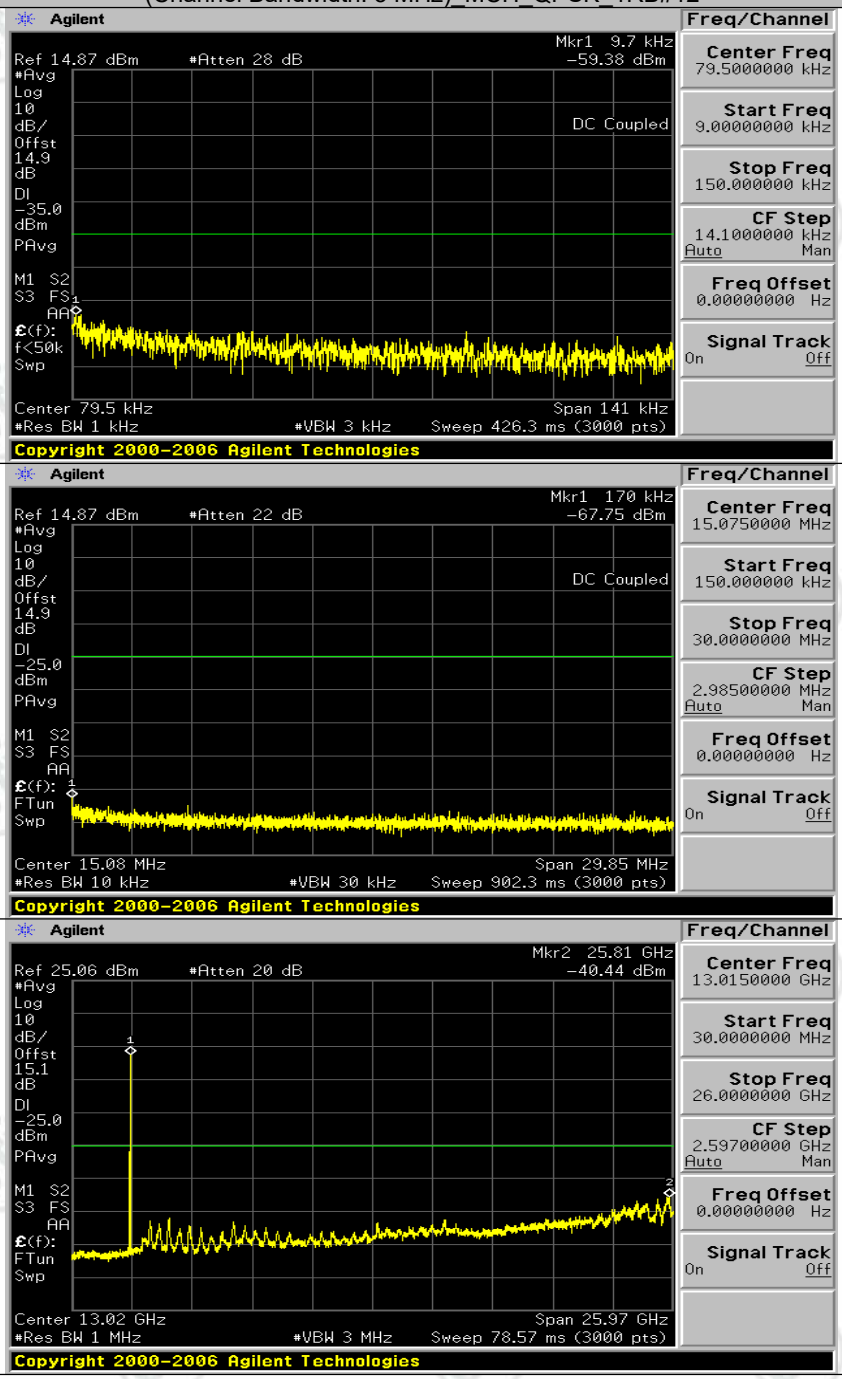
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



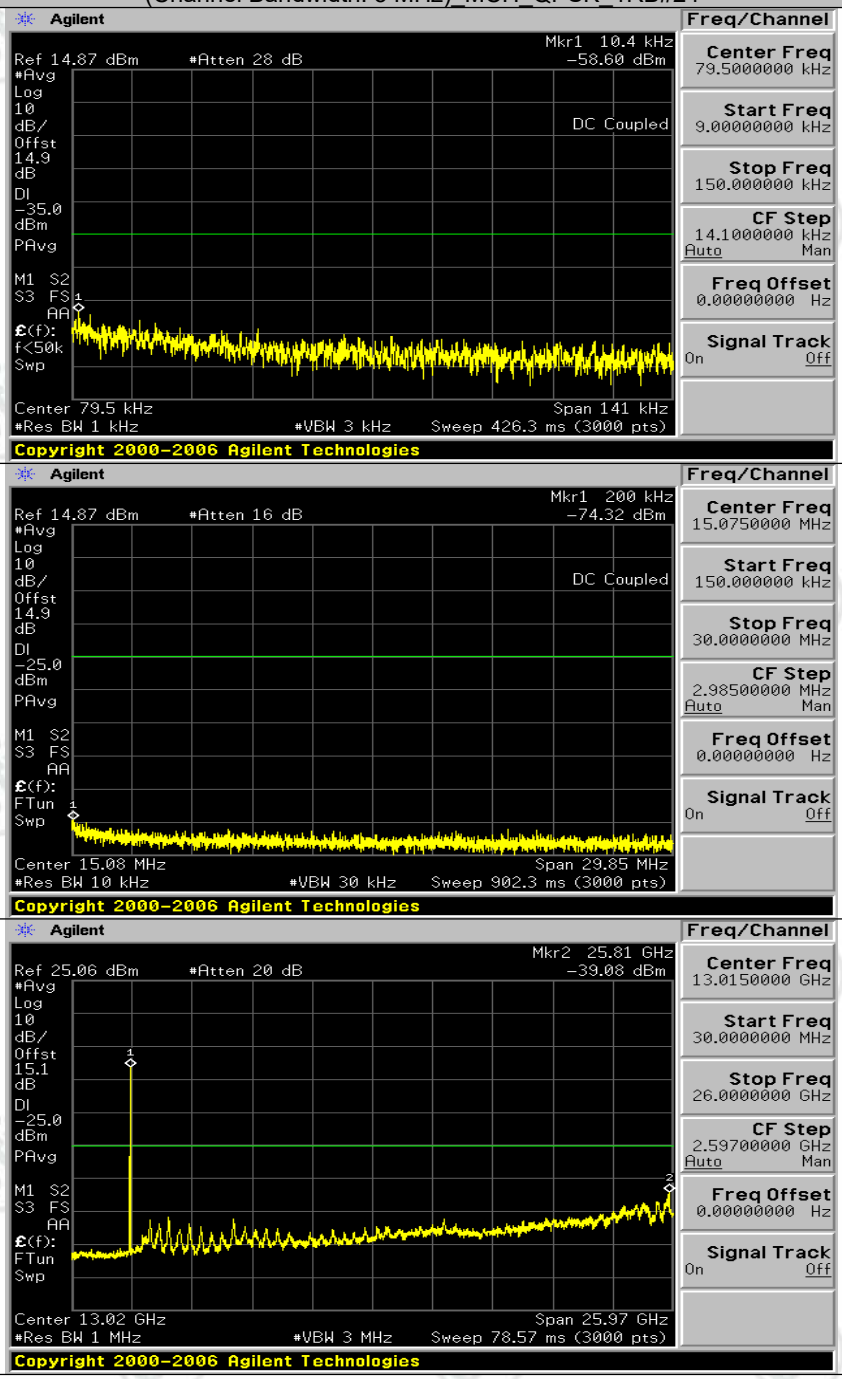
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



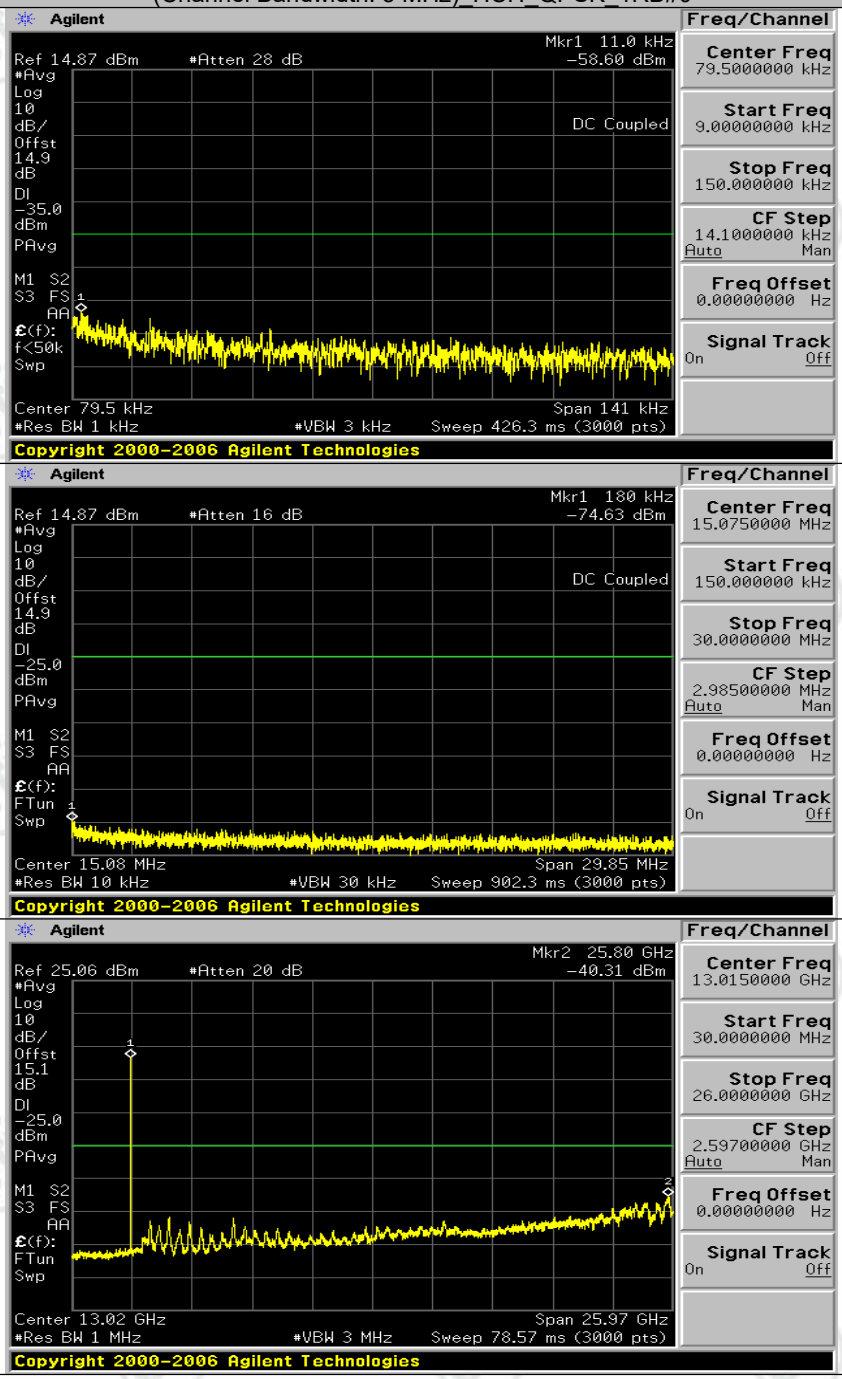
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



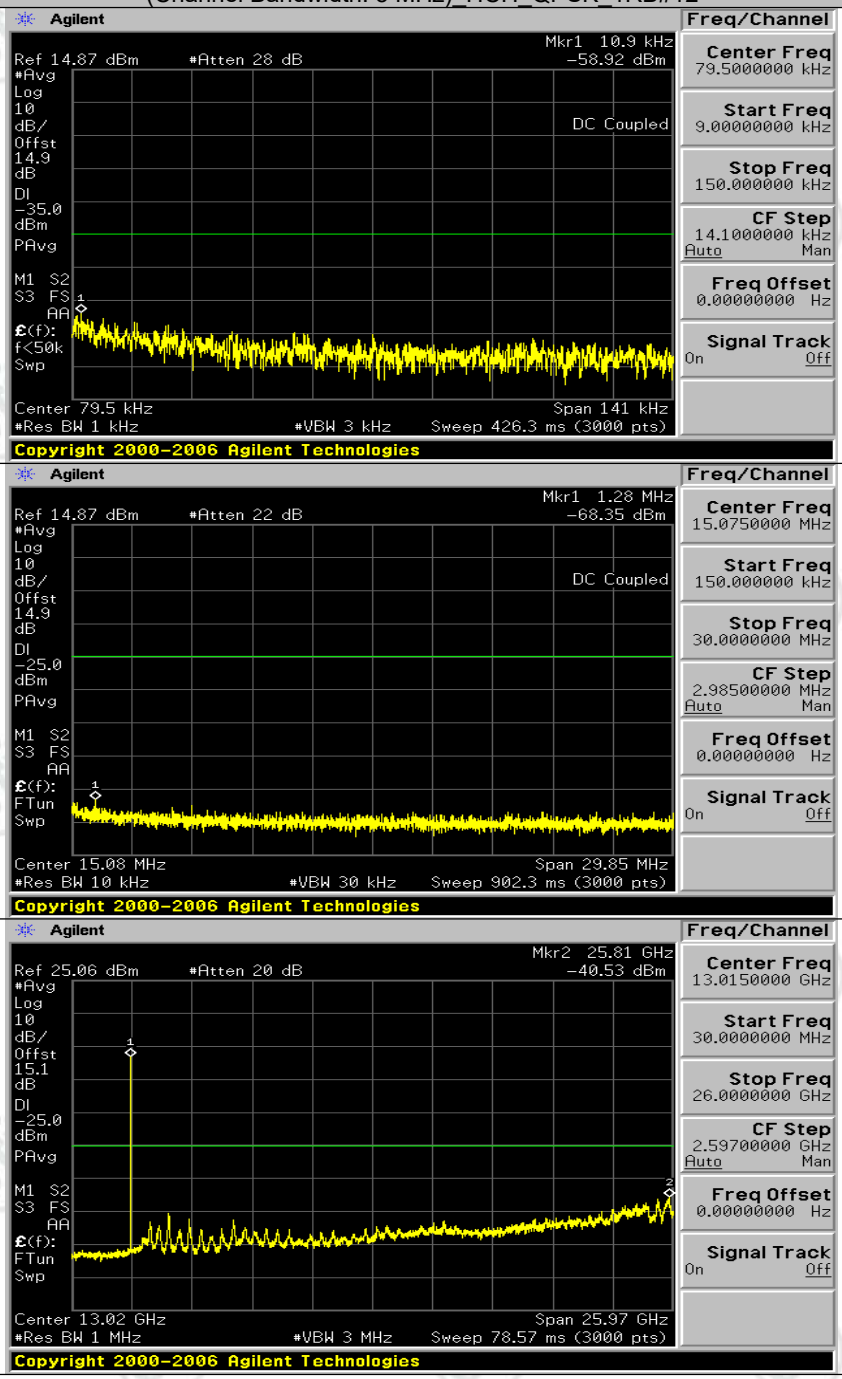
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



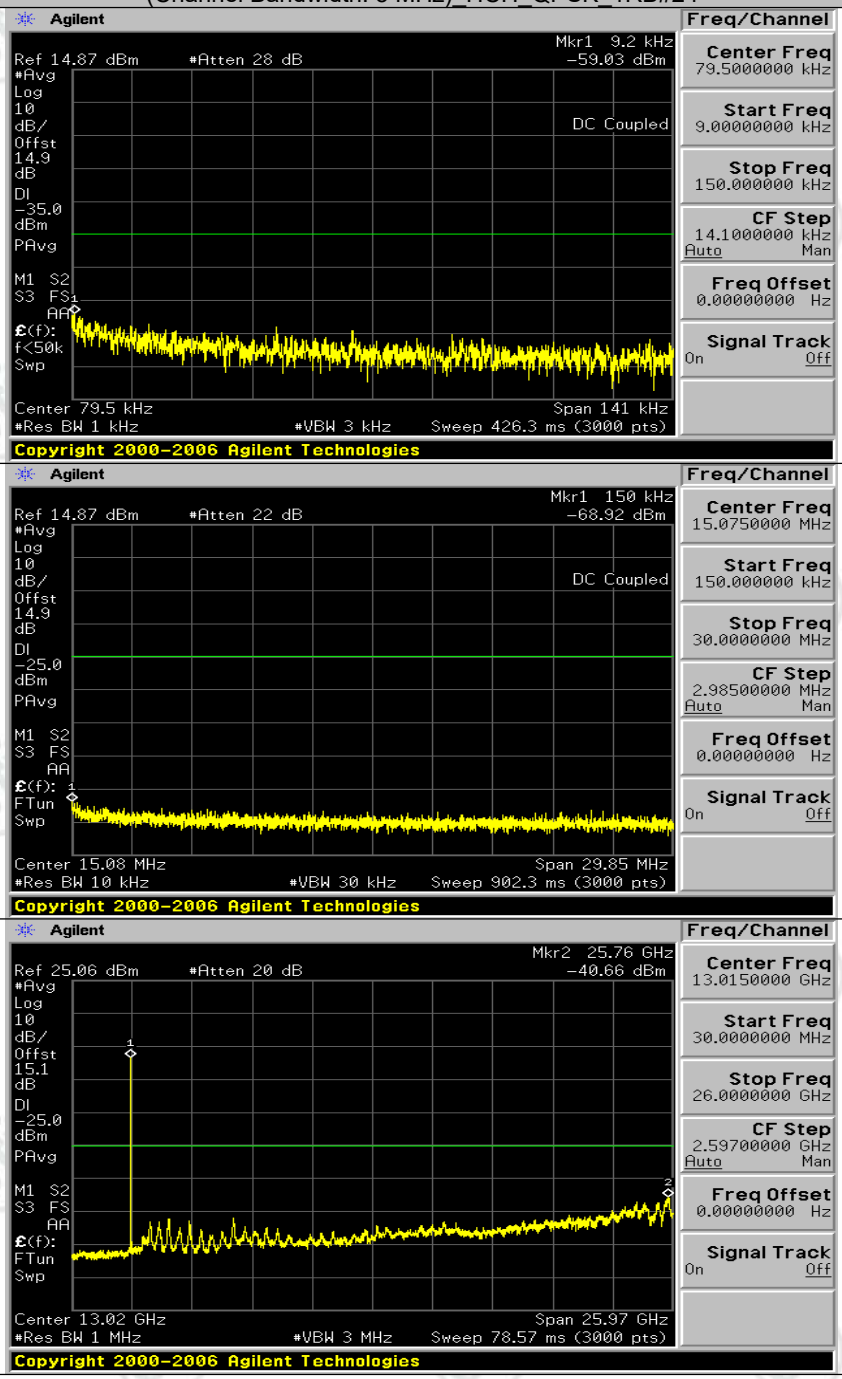
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



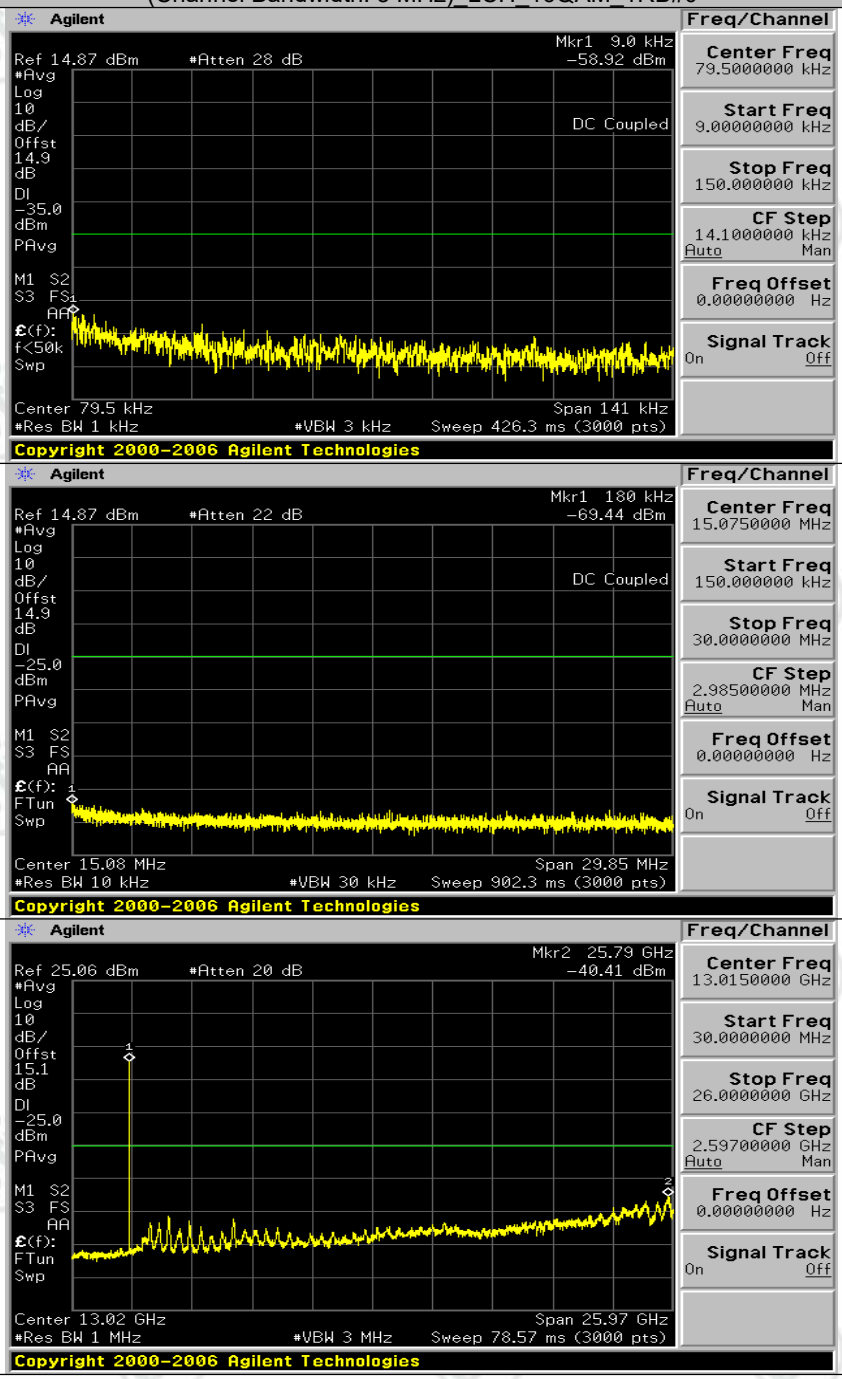
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



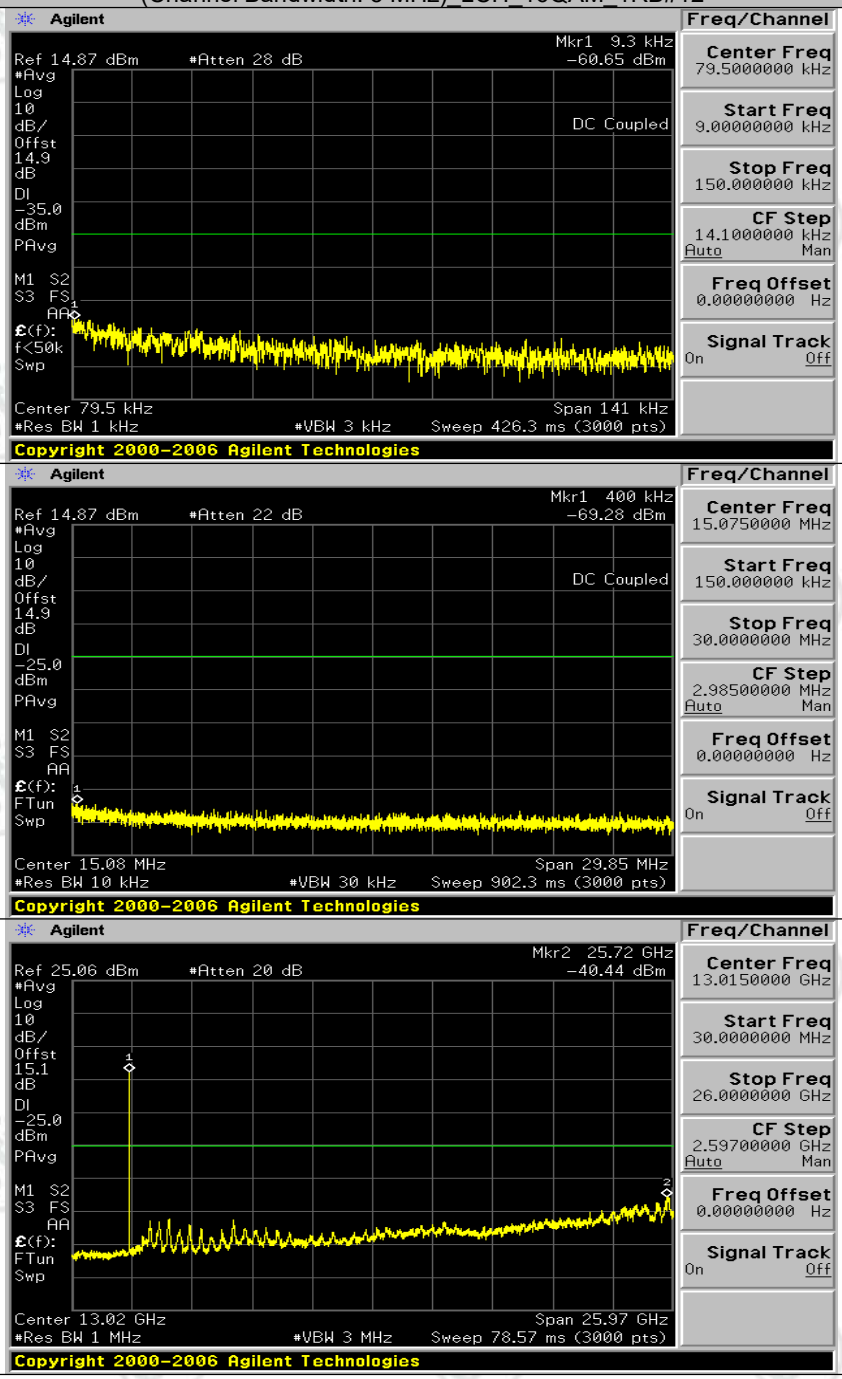
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



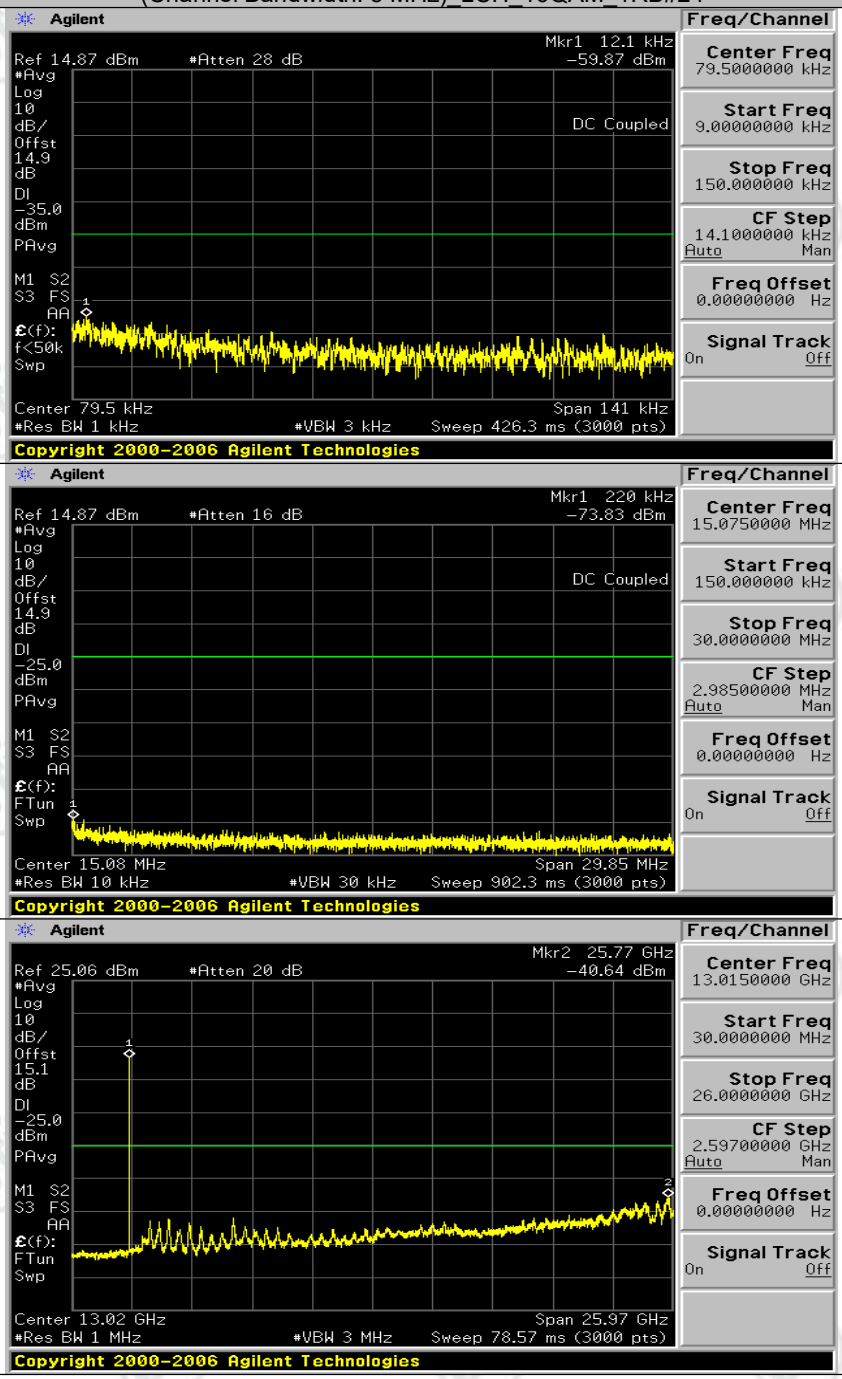
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



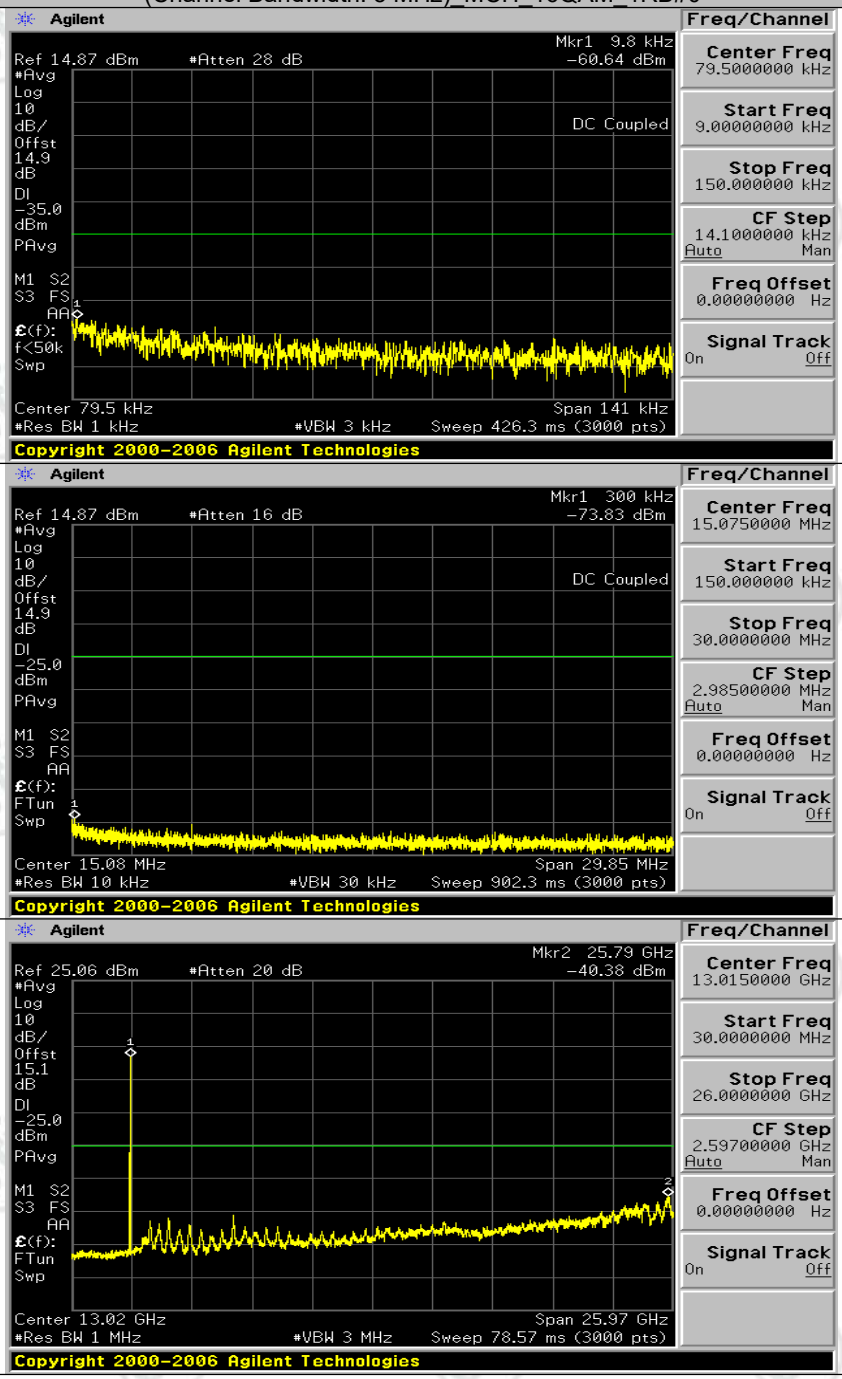
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

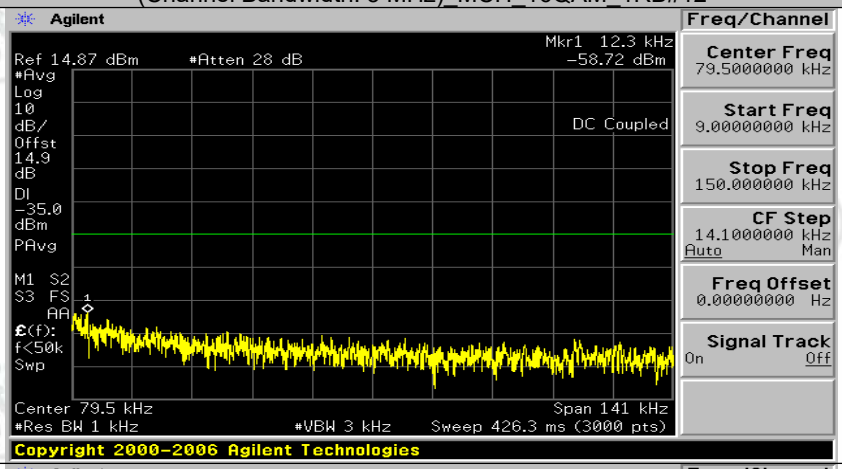
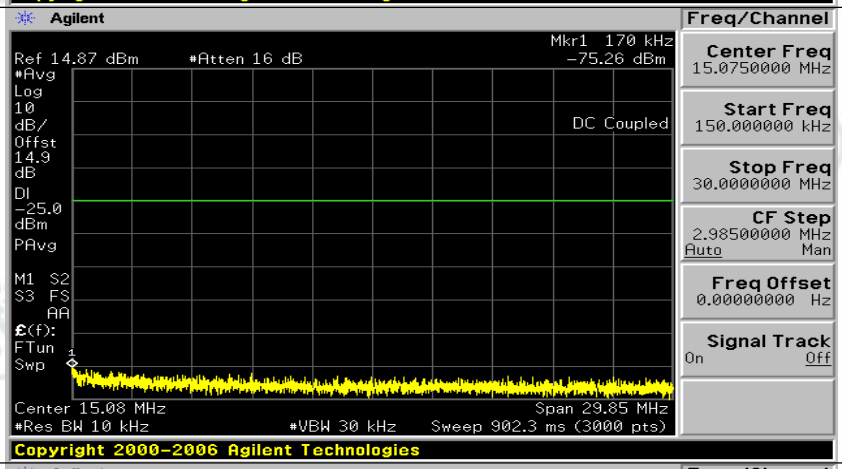
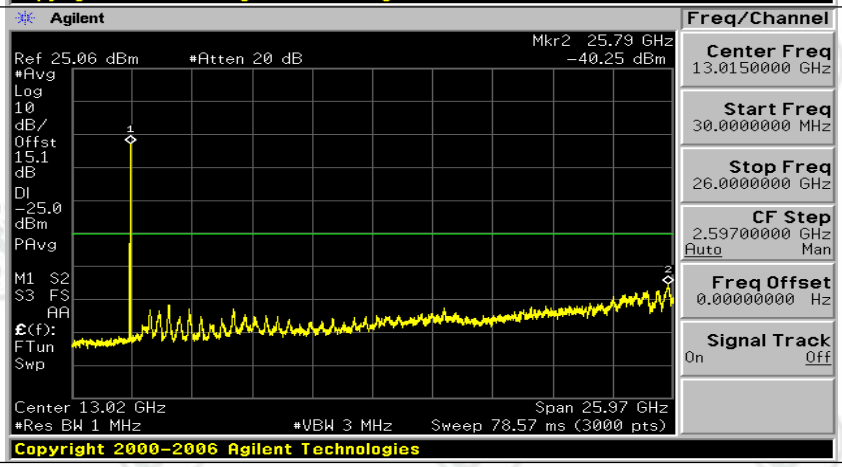


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

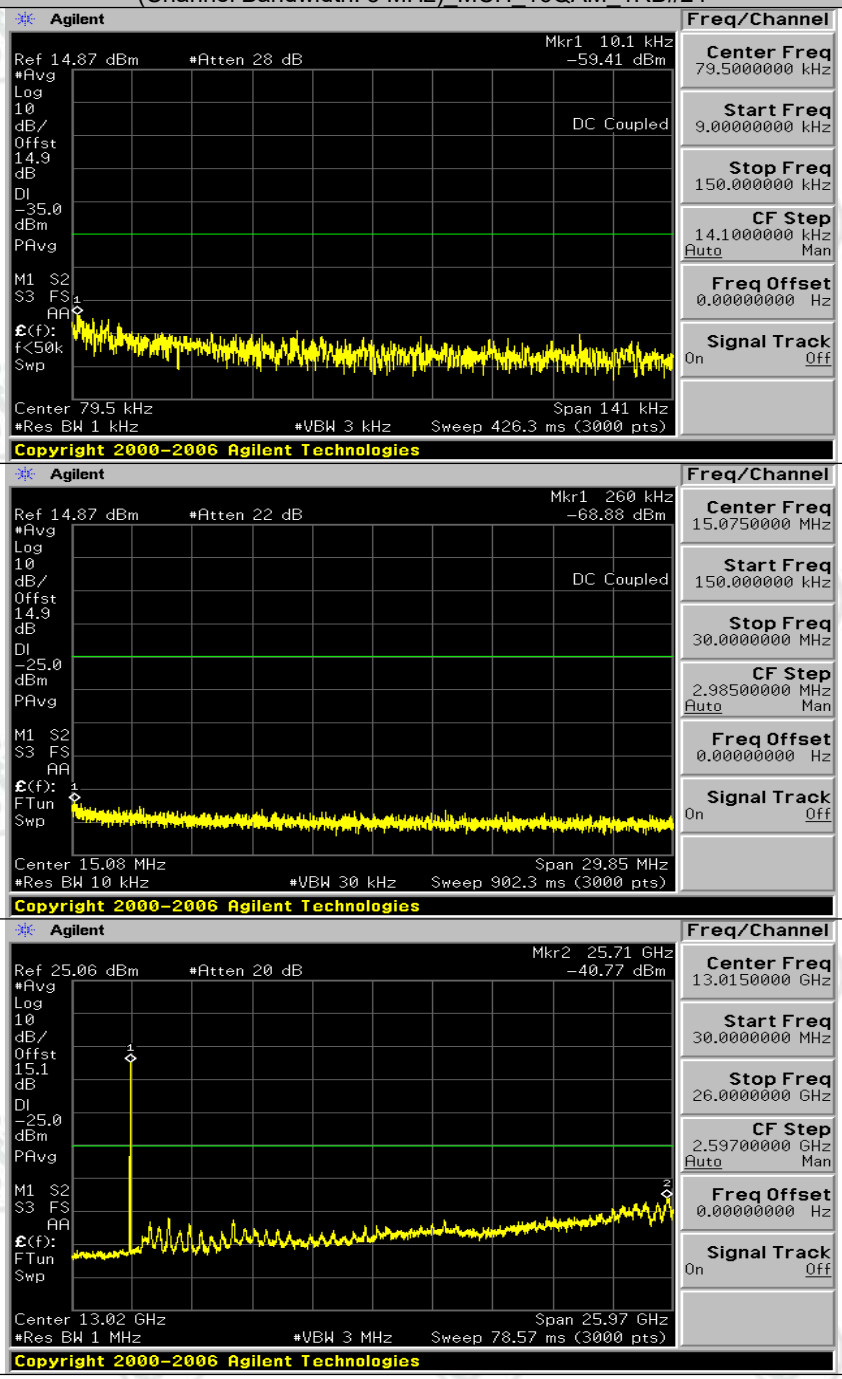


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

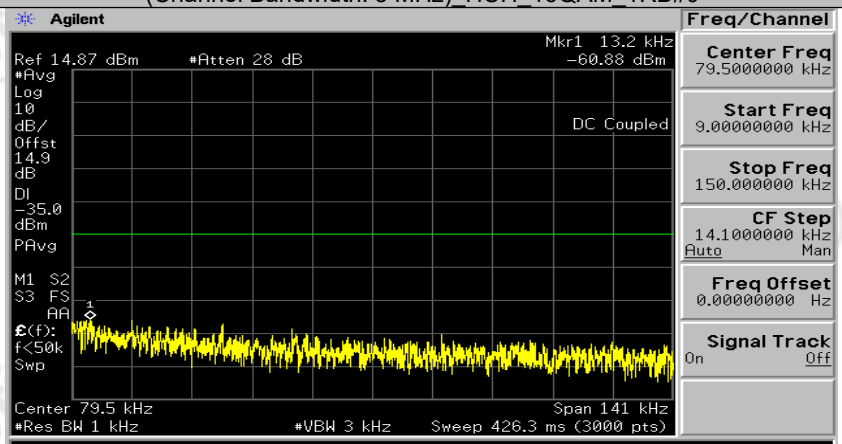


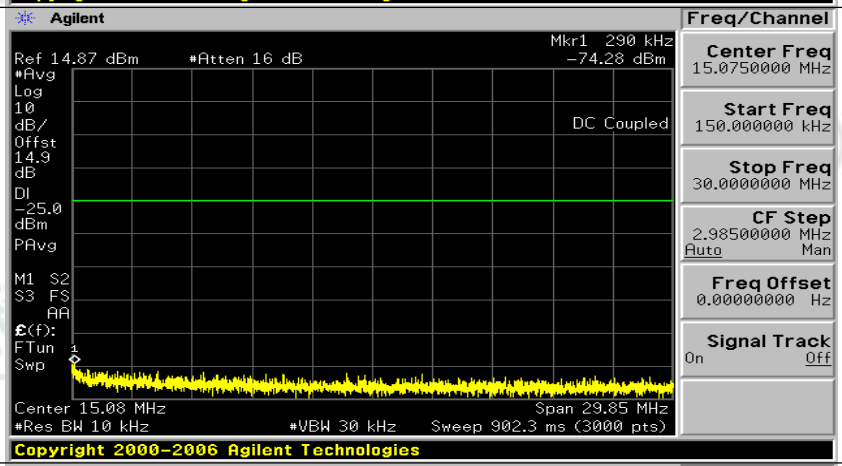
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12




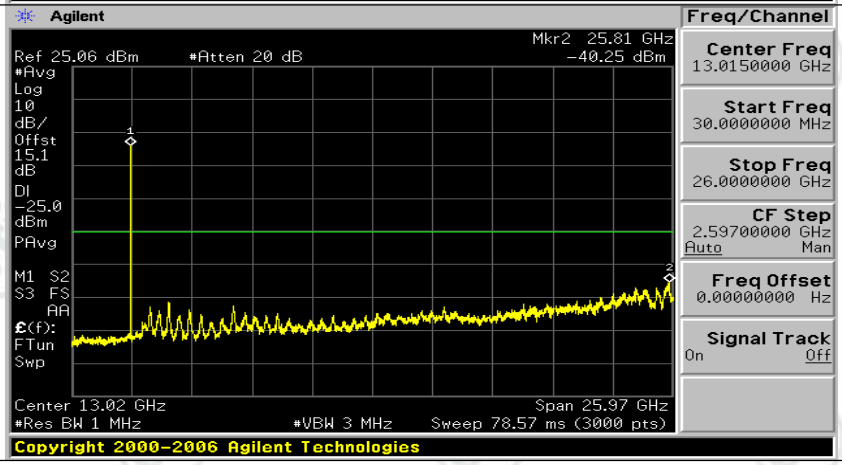
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



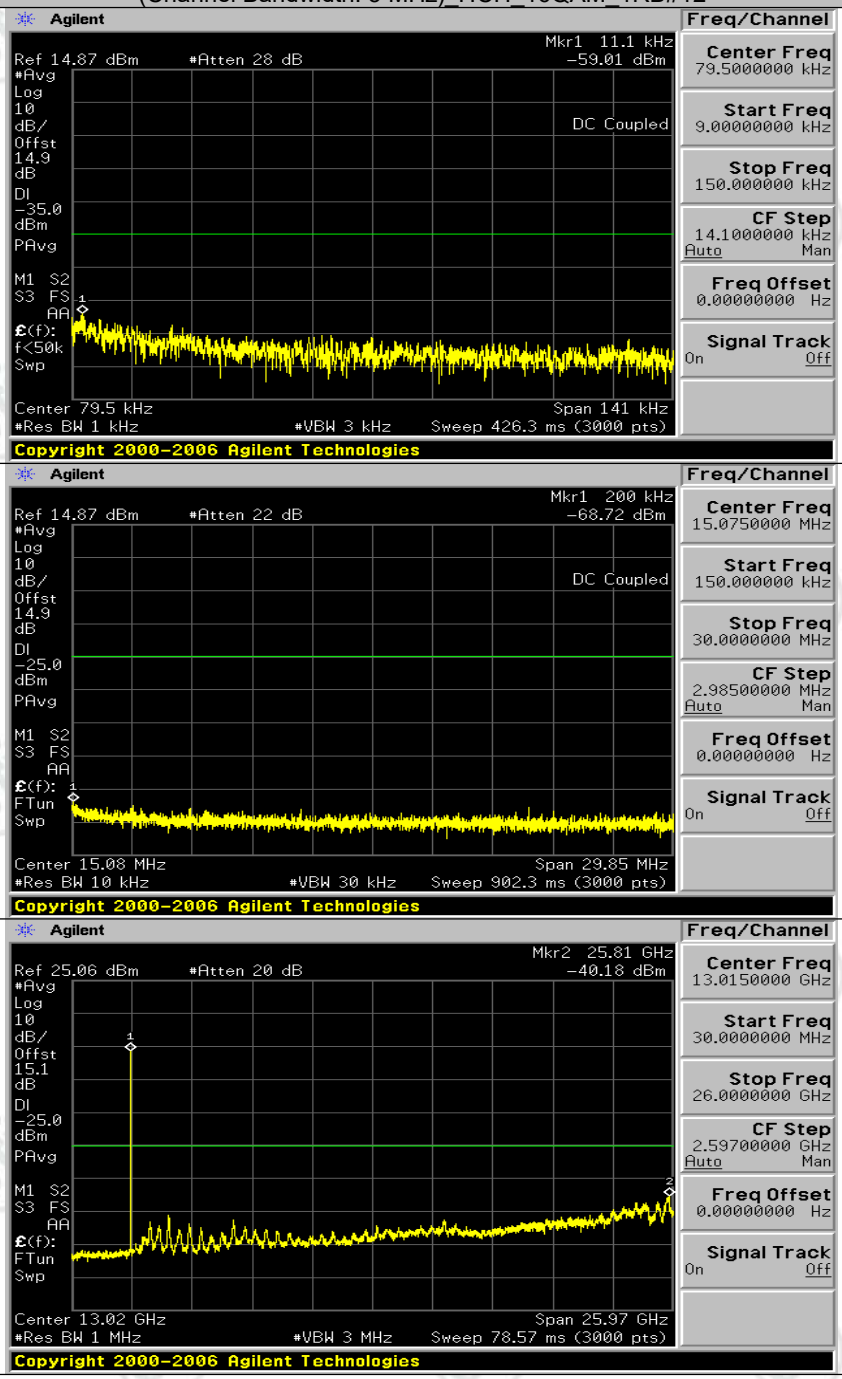
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



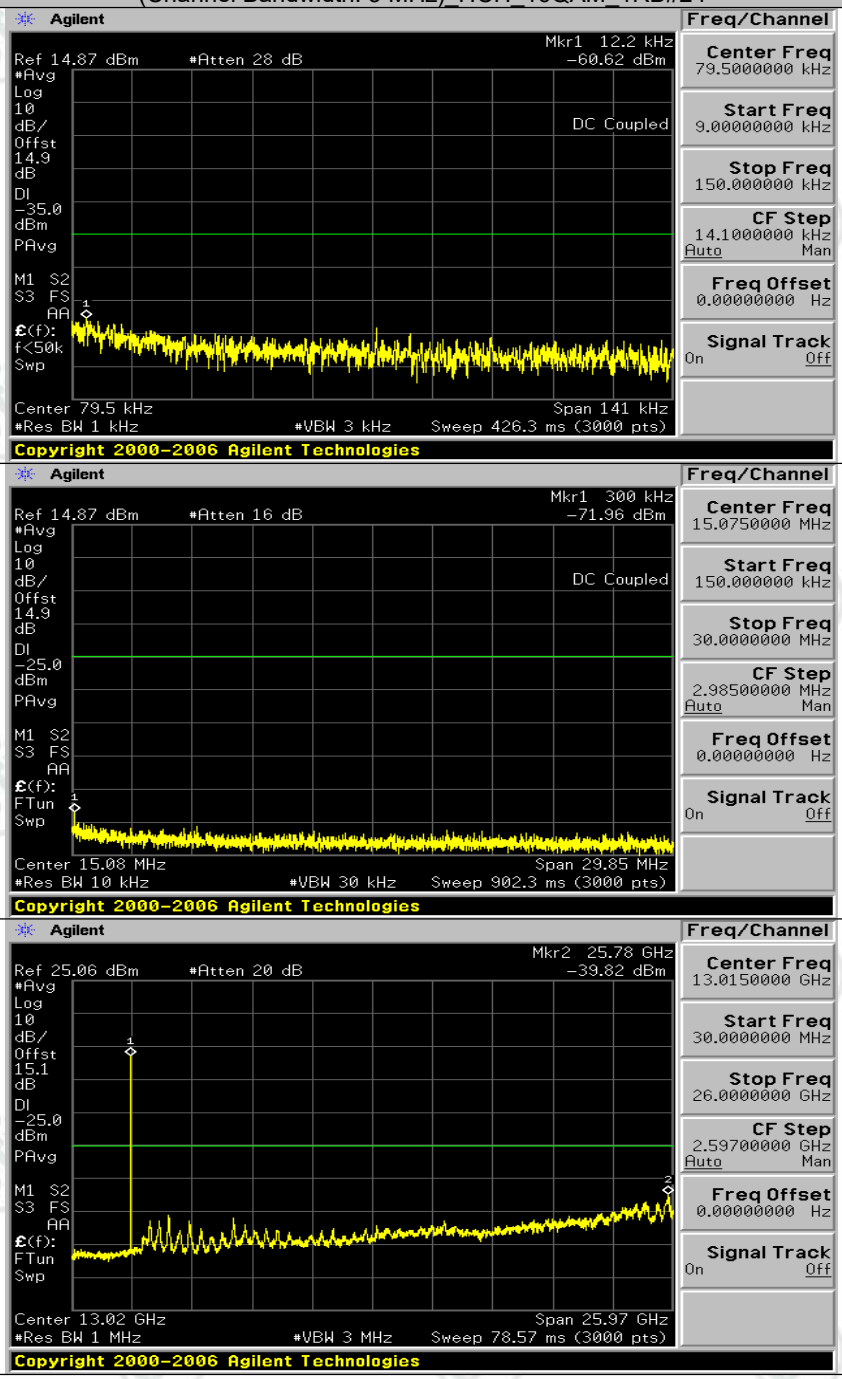




(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

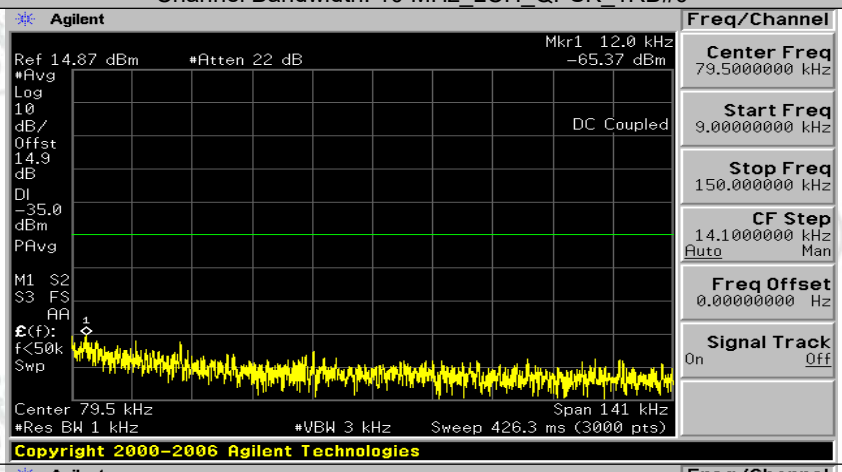


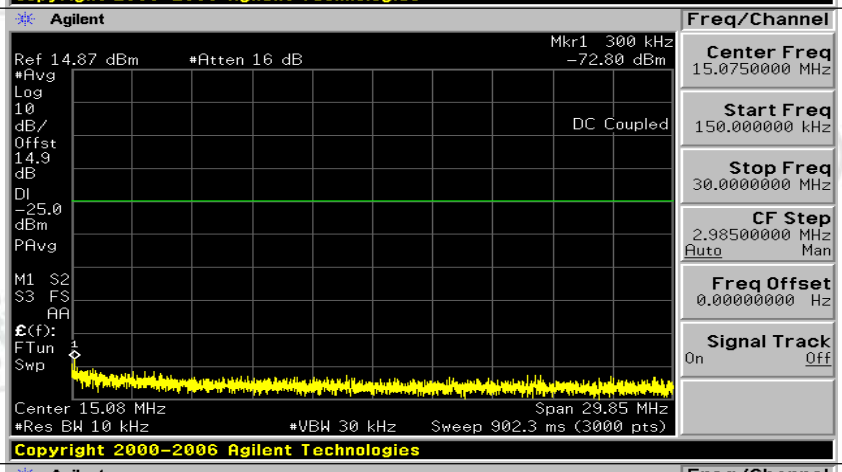
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

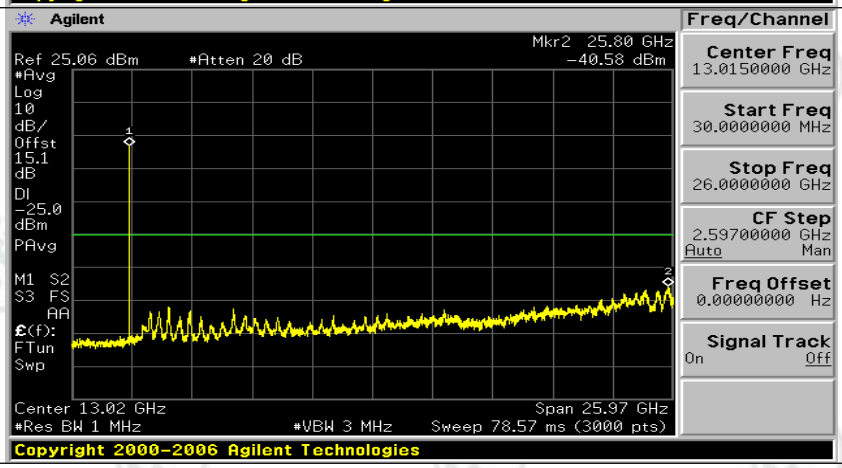


Channel Bandwidth: 10 MHz

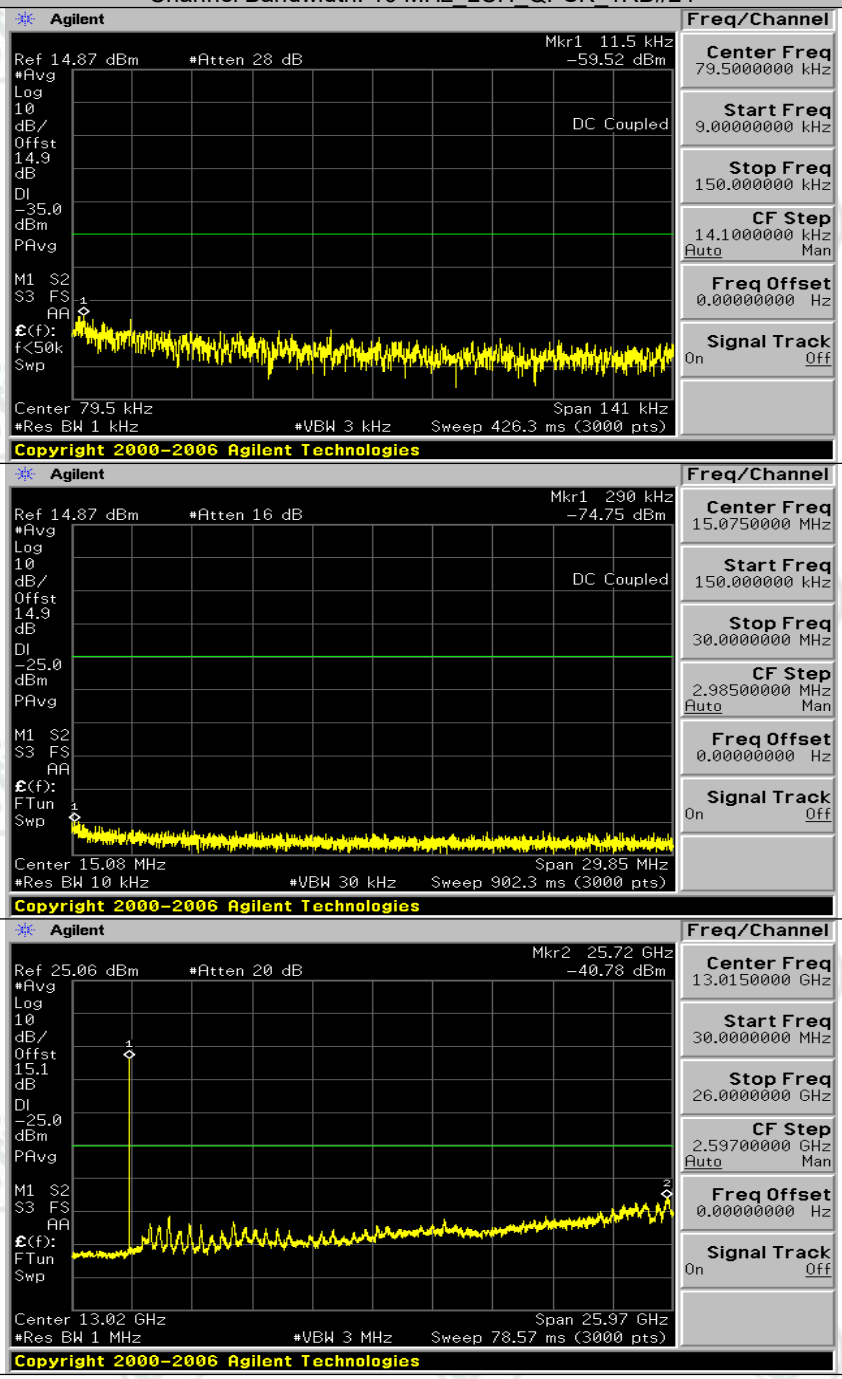
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



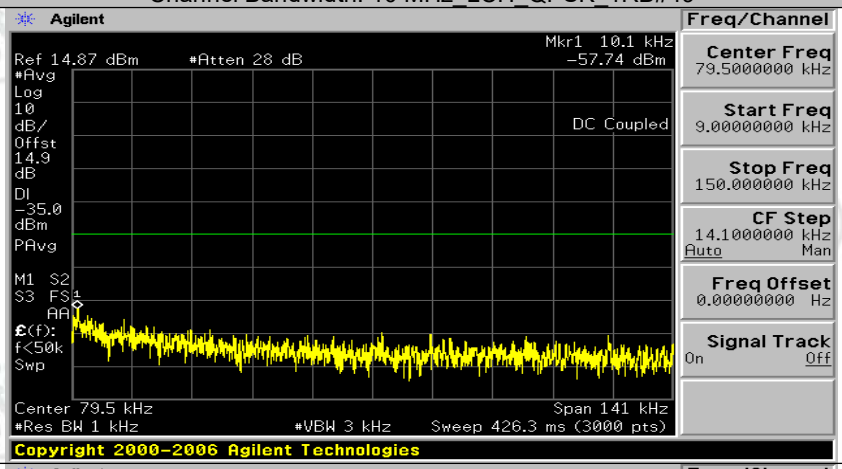


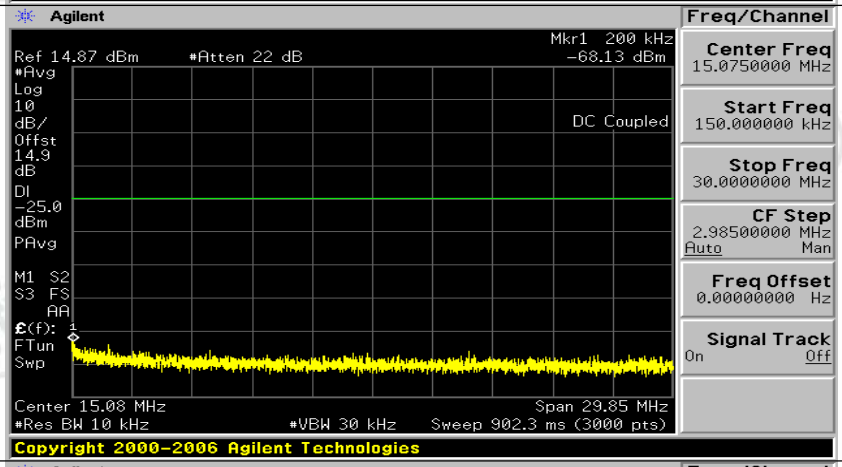


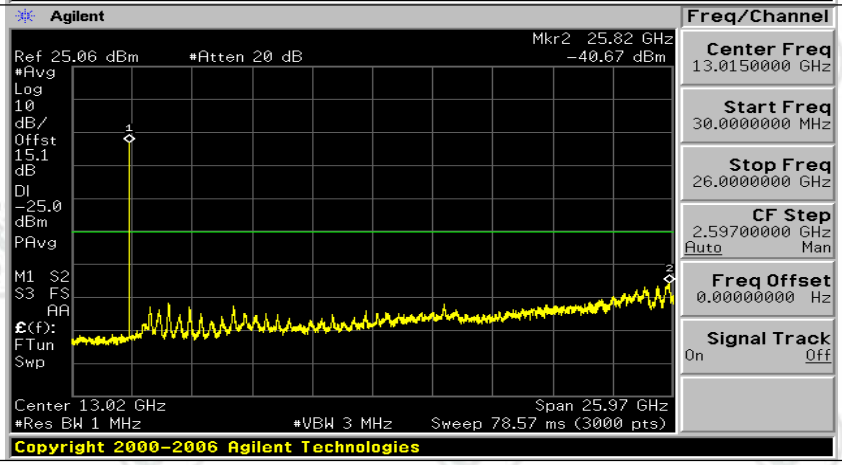
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



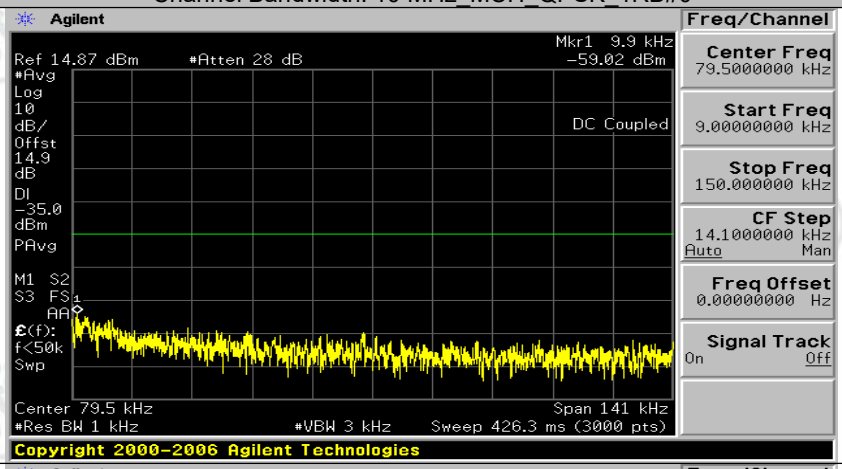
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

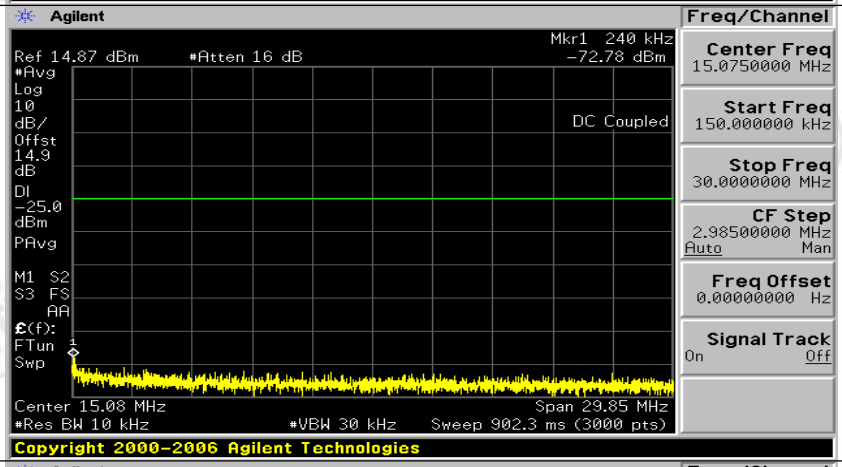


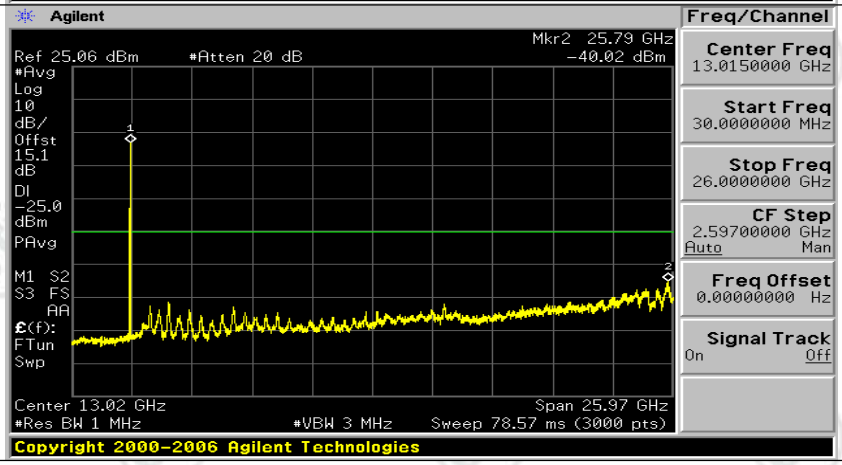




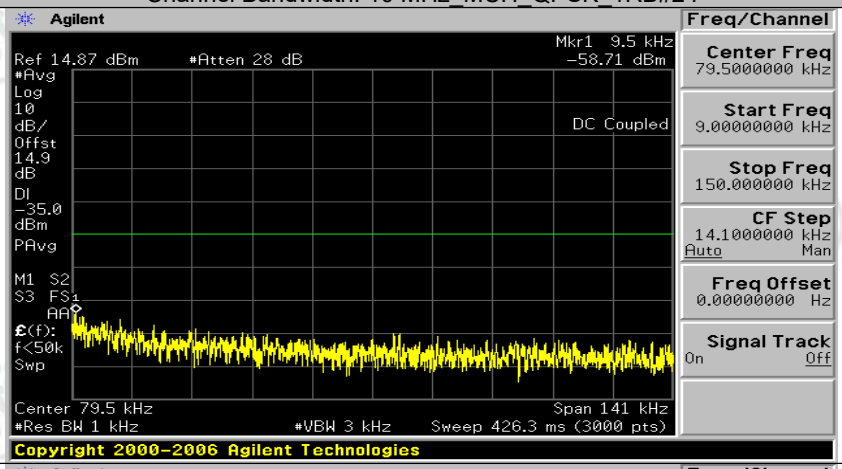
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

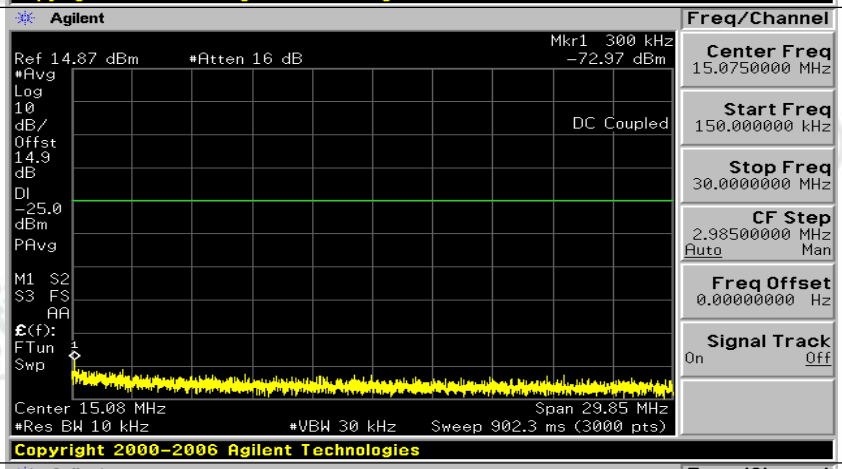


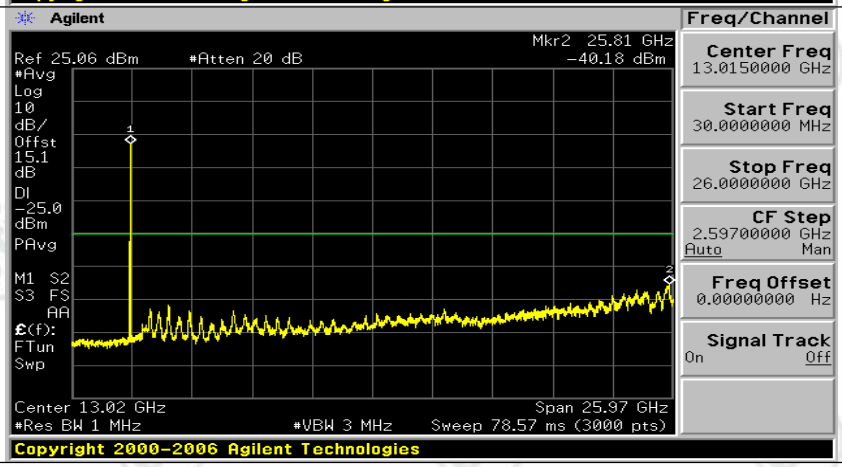




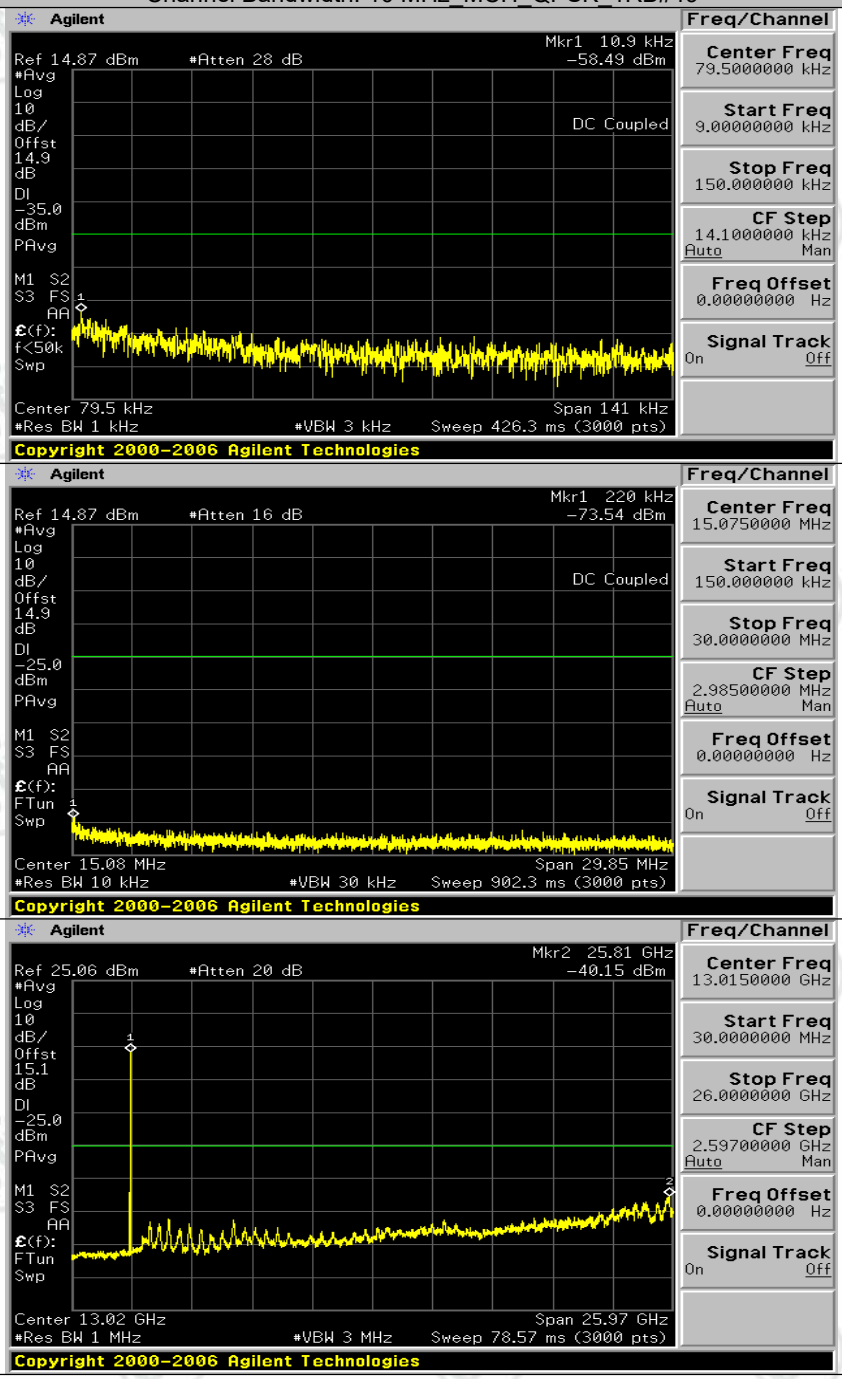
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

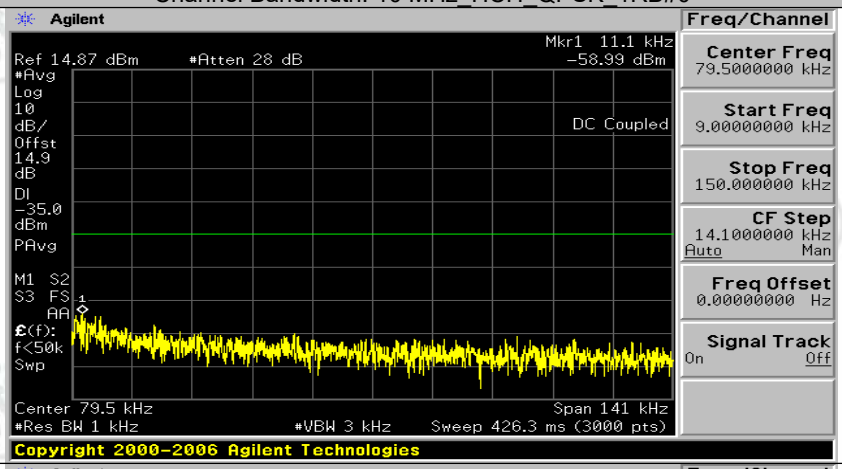
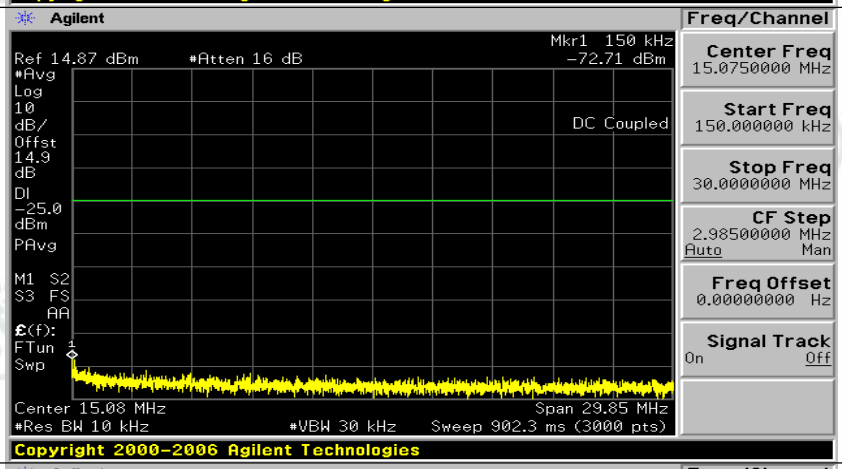
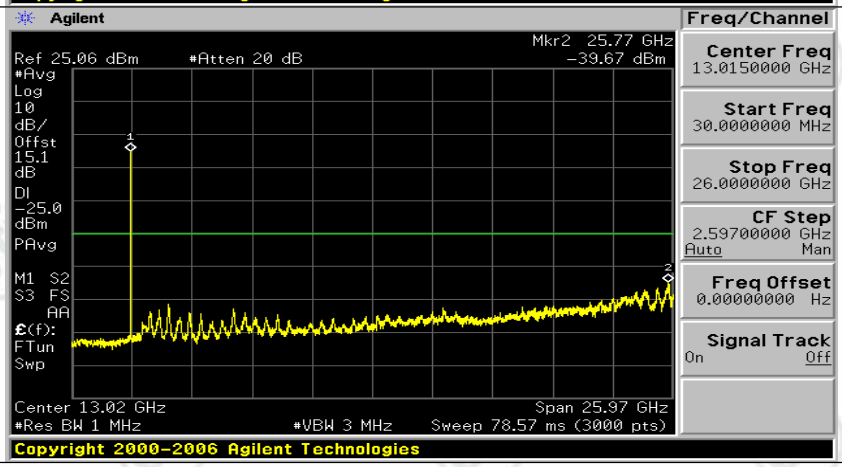


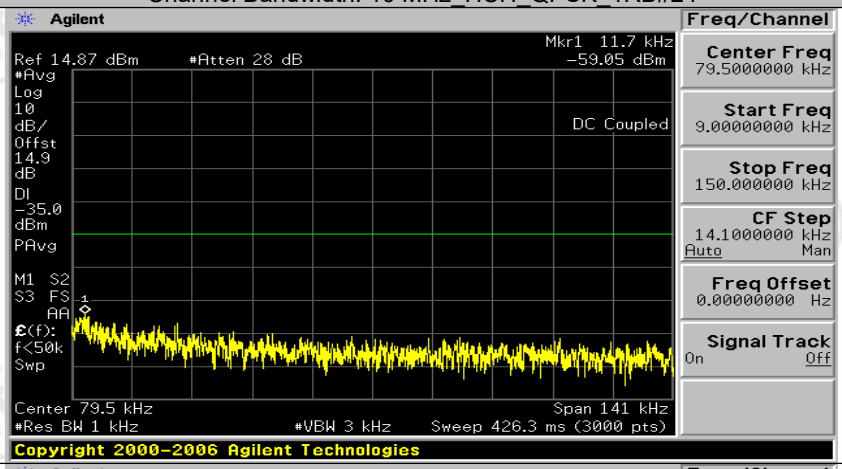
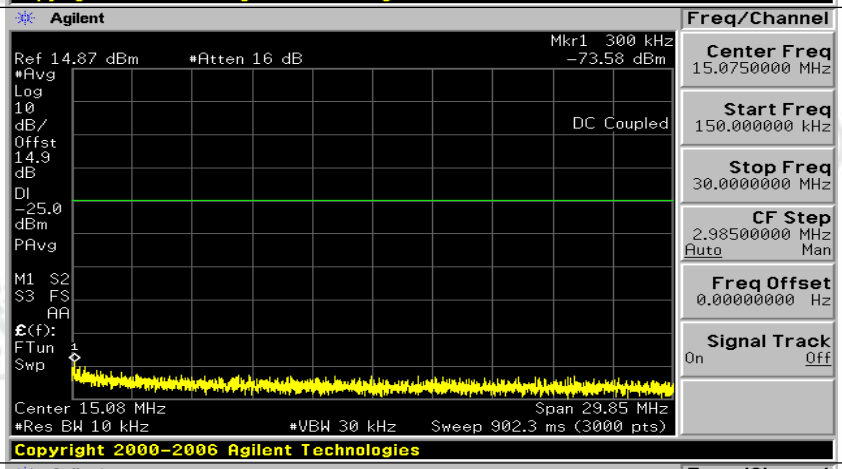
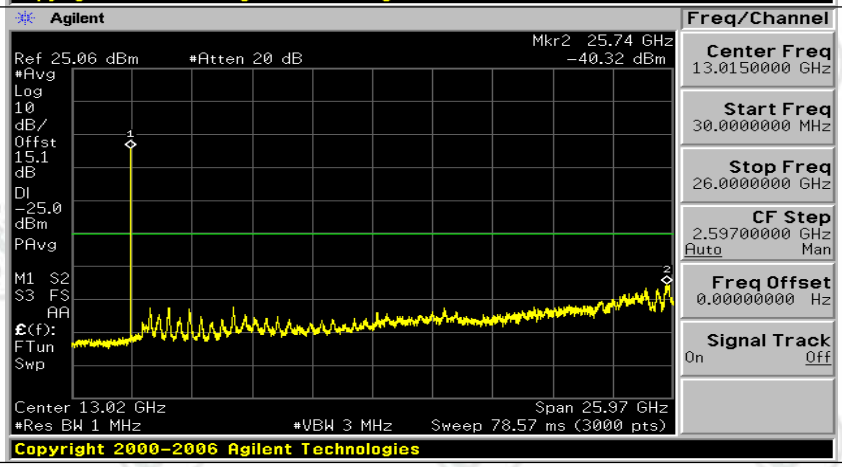




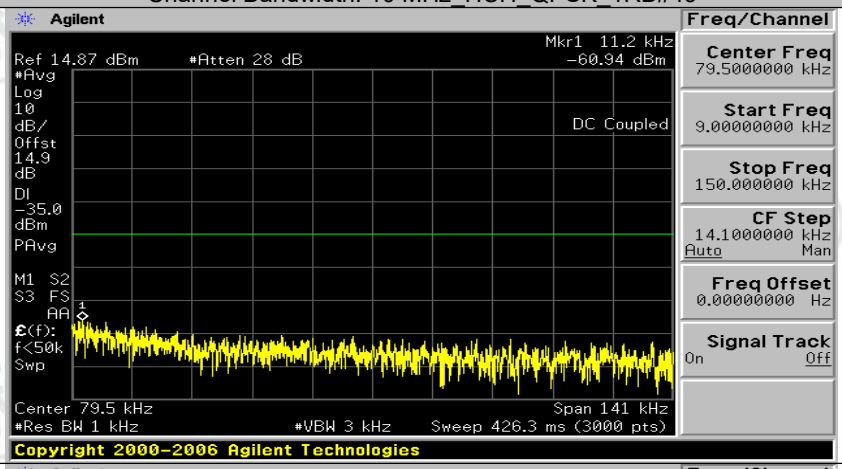
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

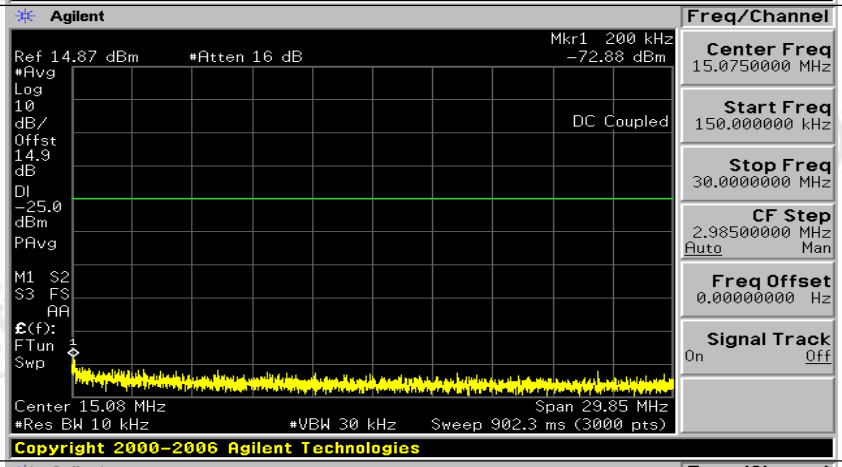


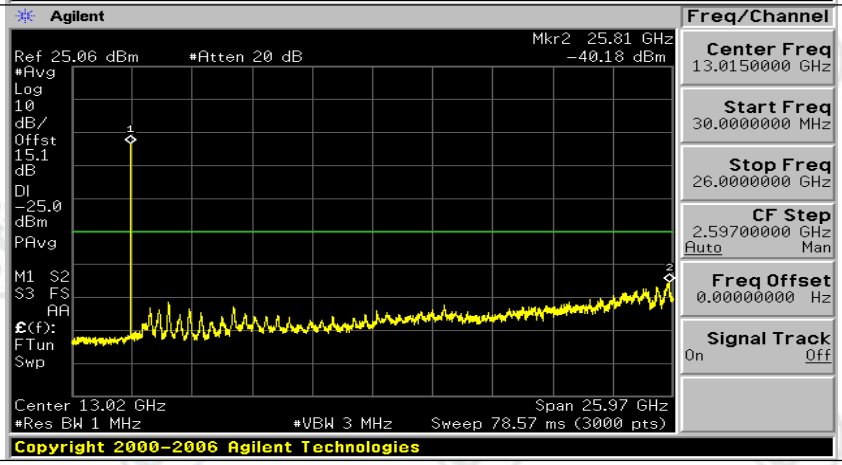
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0




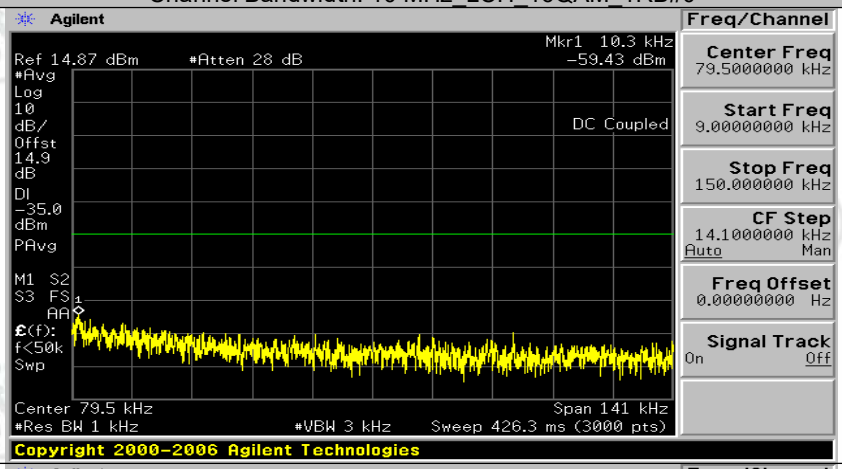
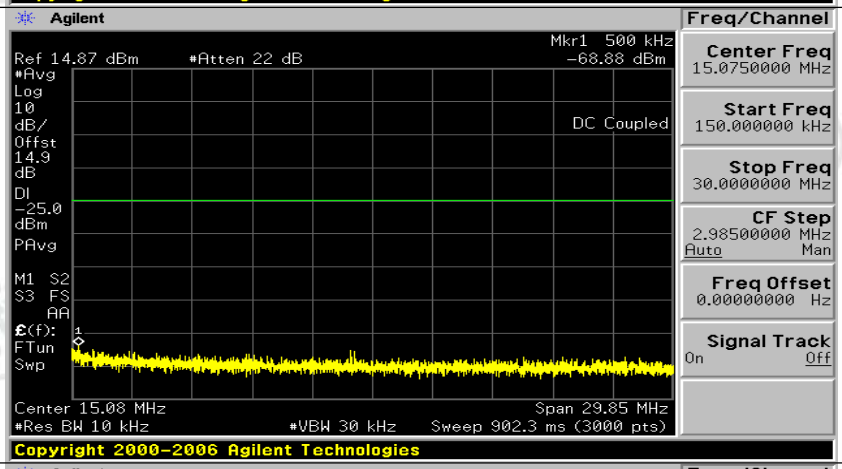
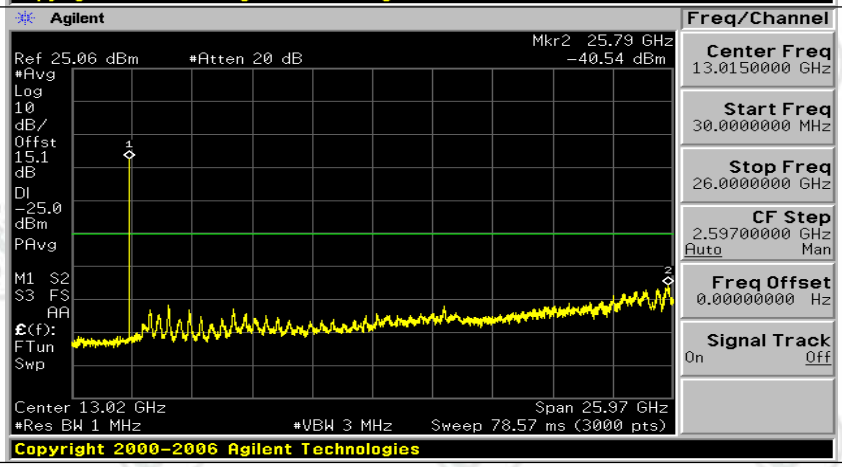
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24




Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

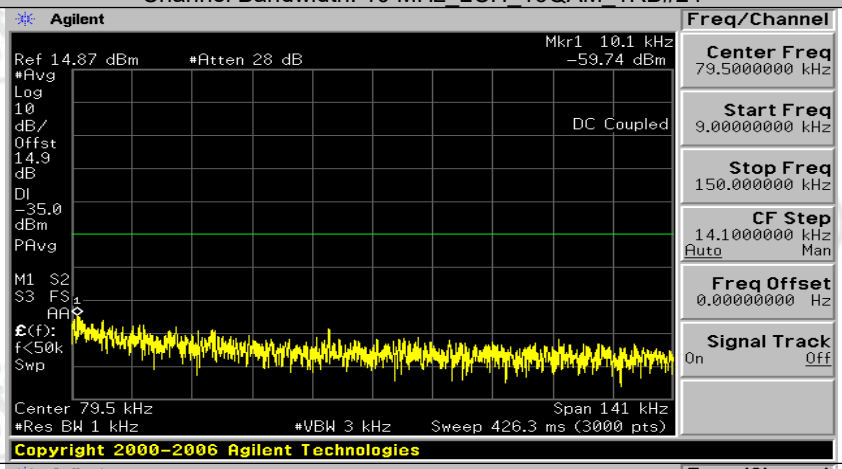


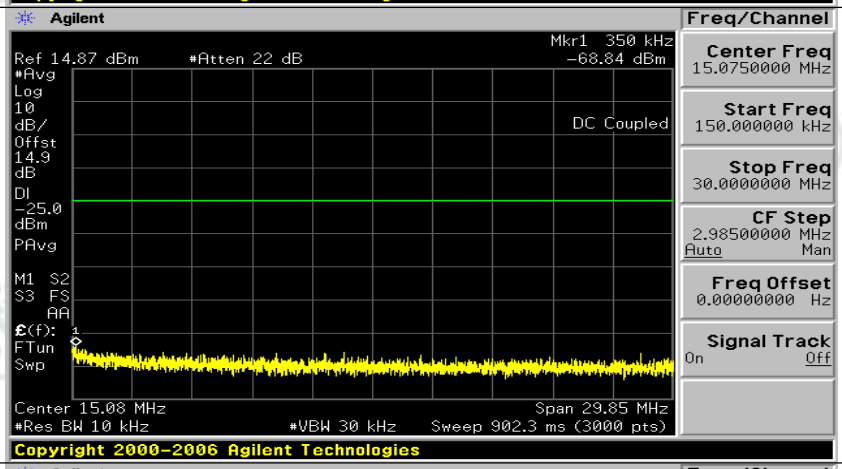


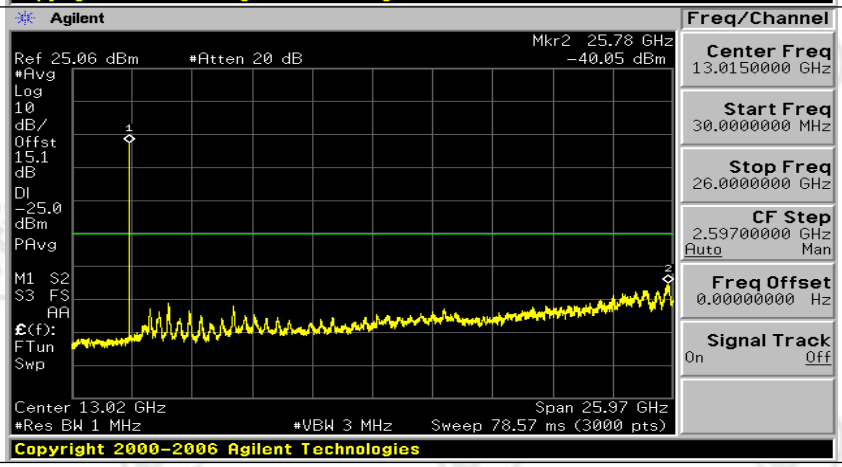


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0




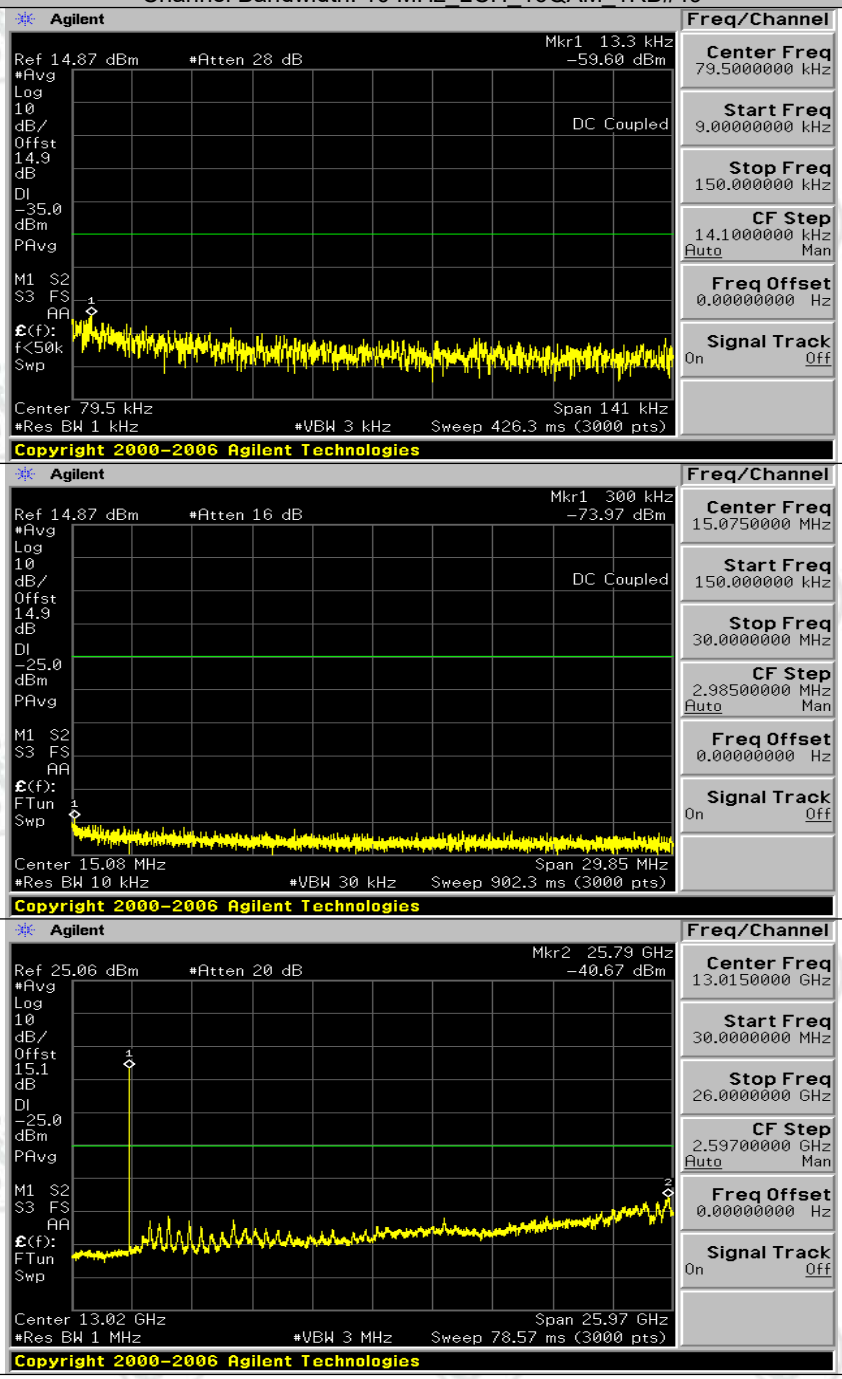
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

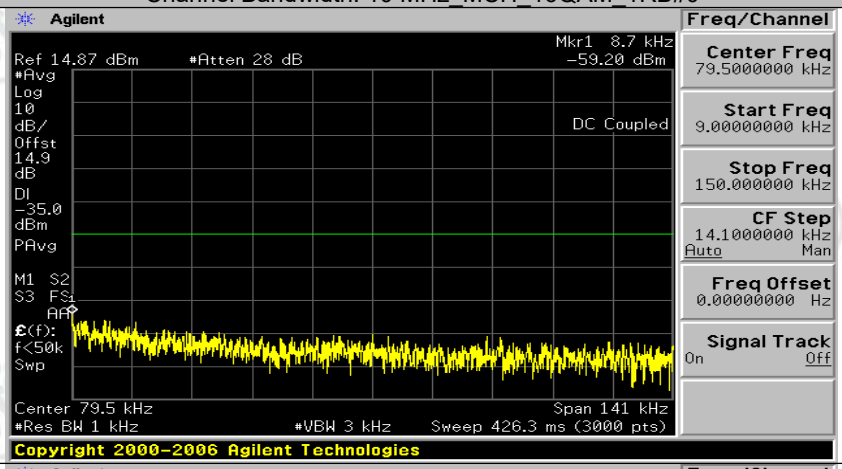
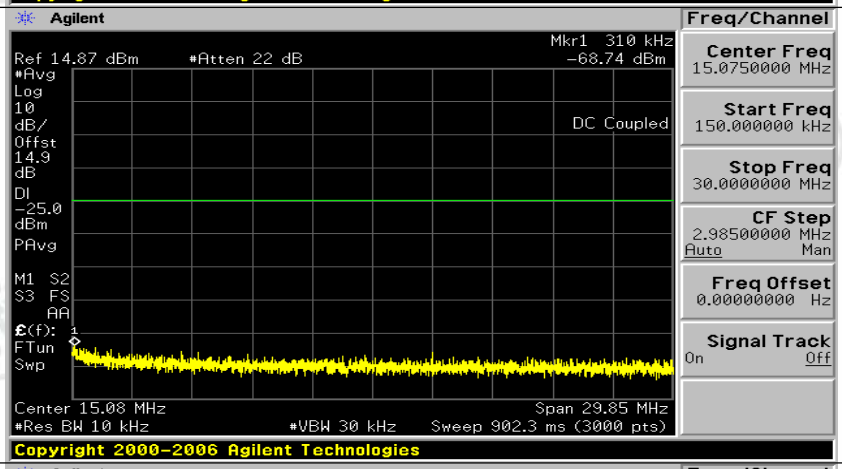
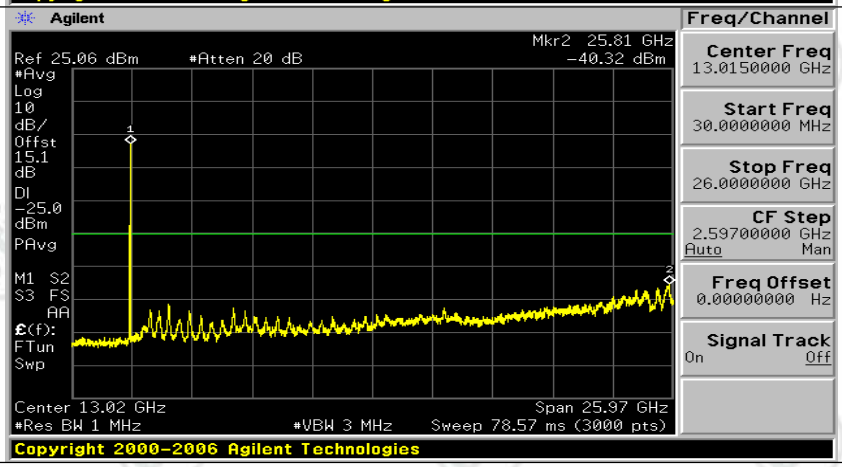


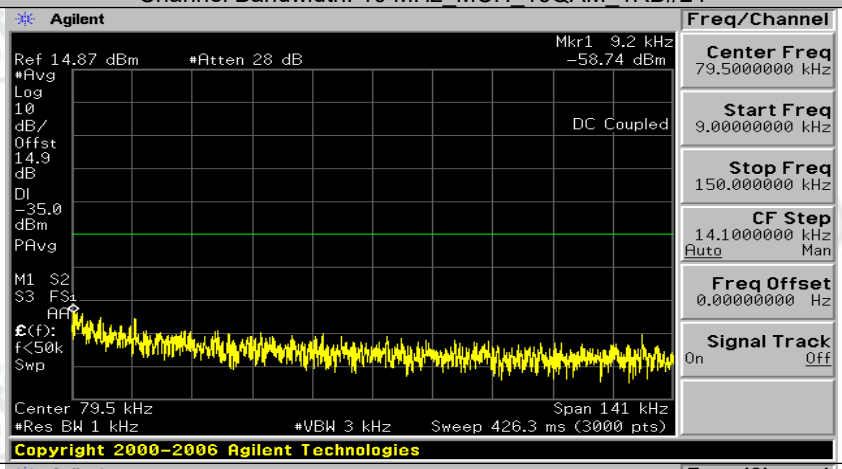
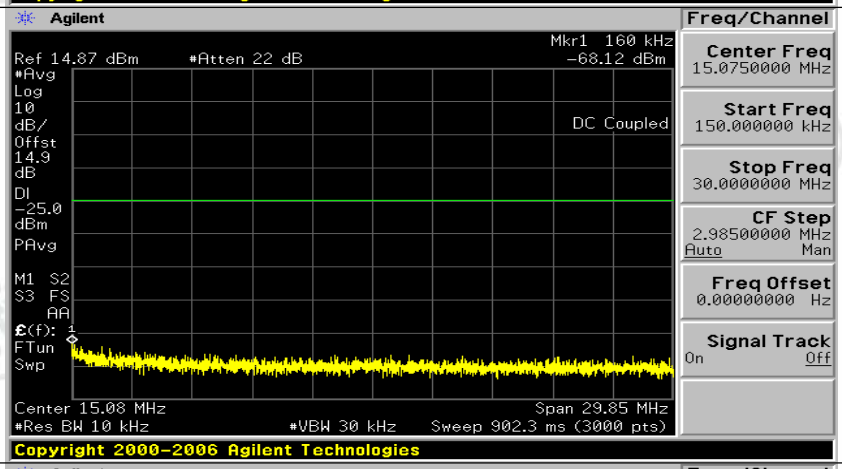
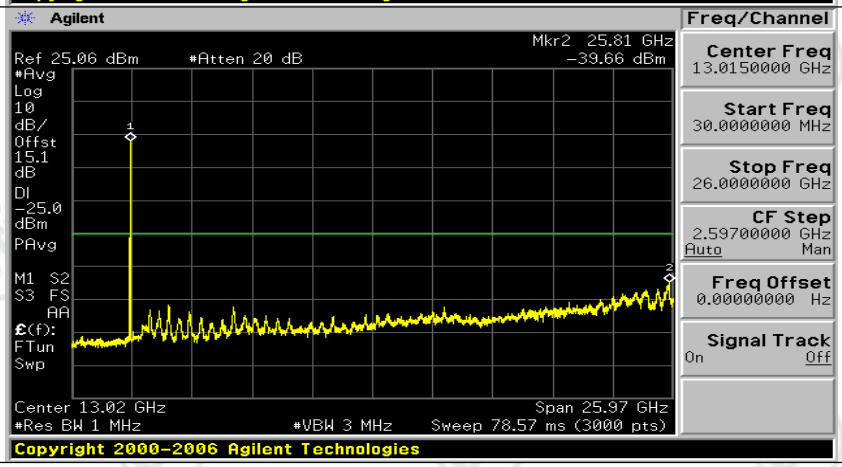




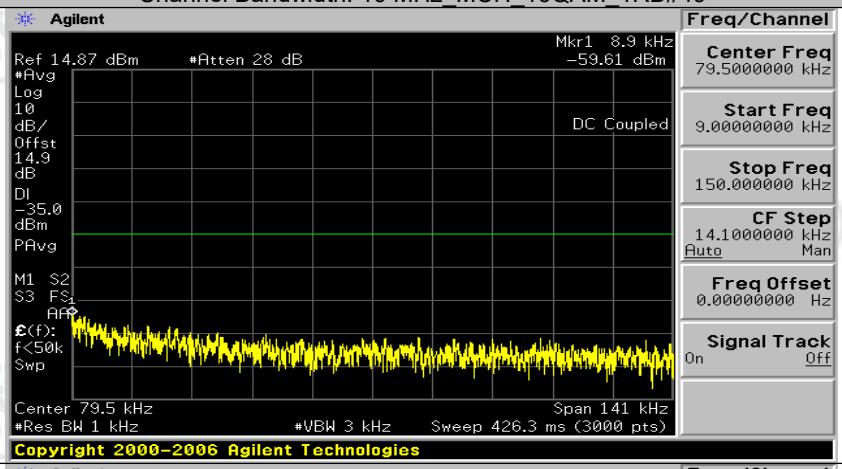
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

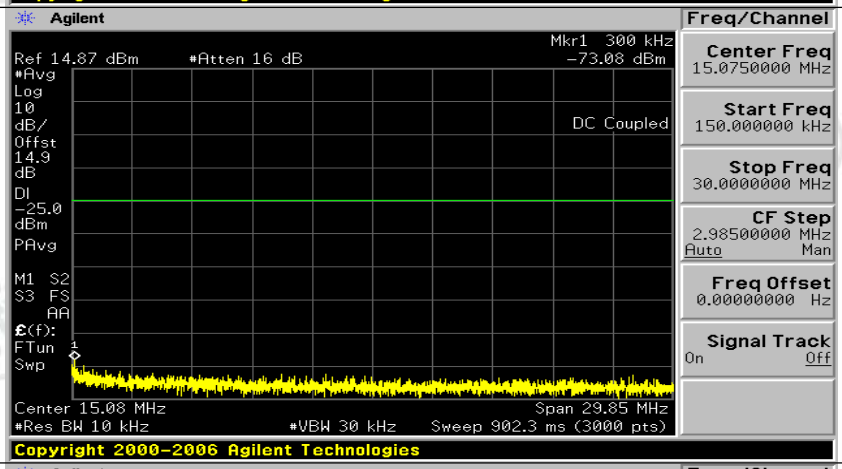


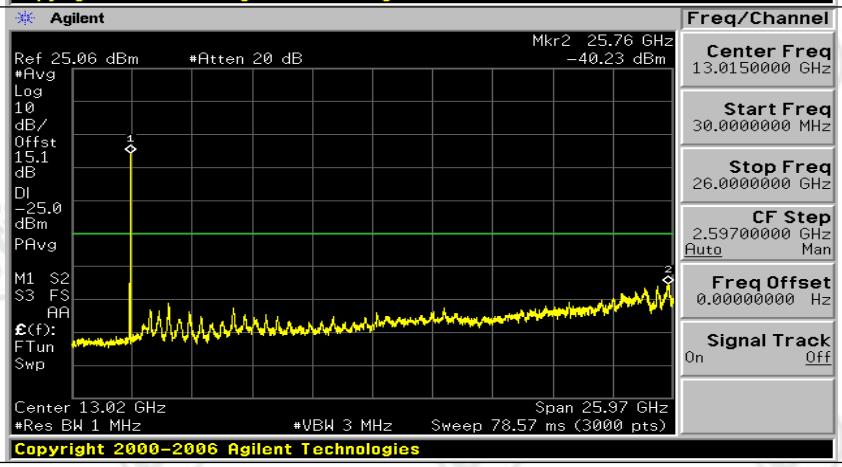
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0




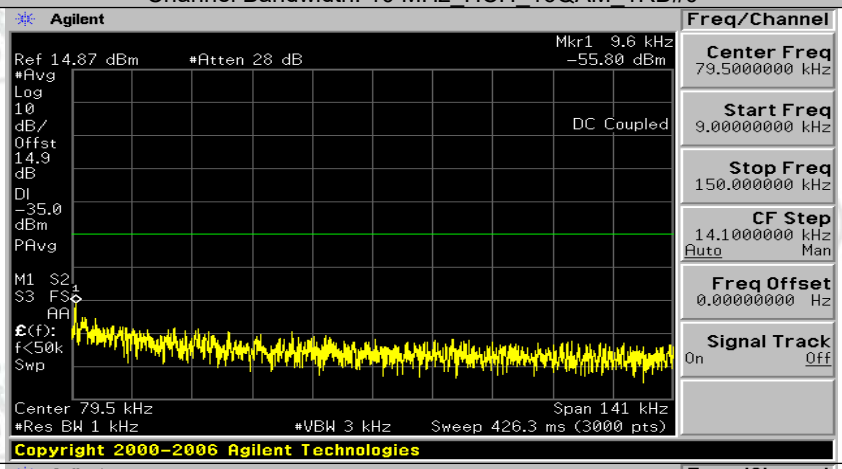
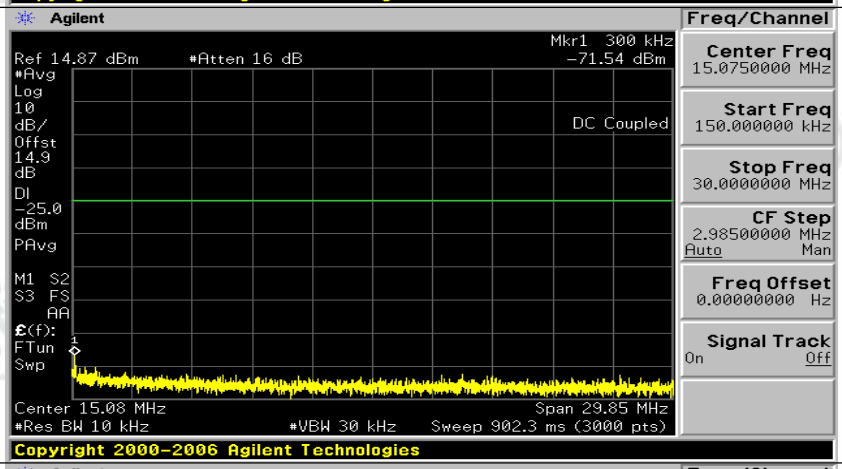
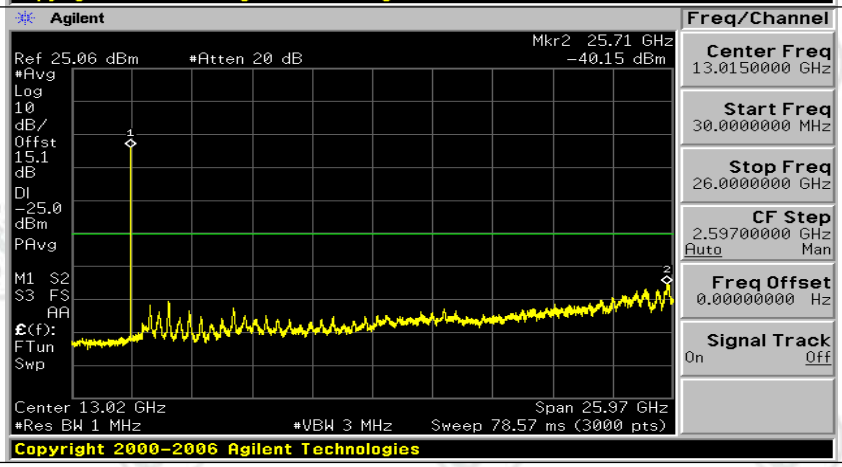
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24




Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

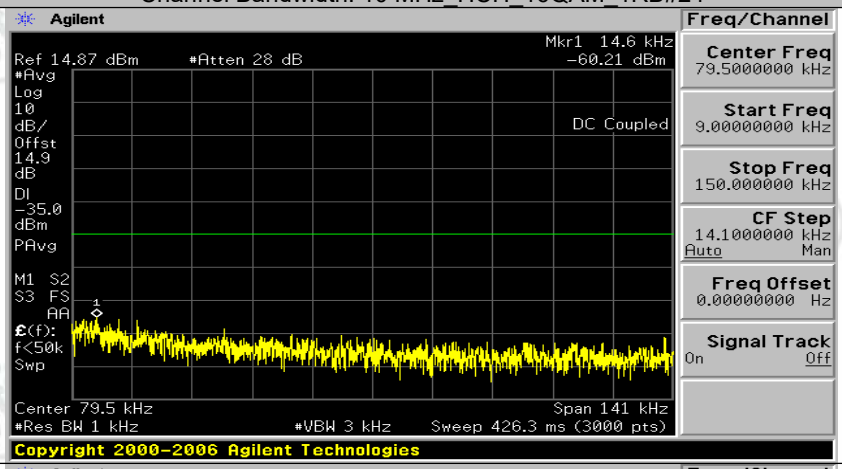


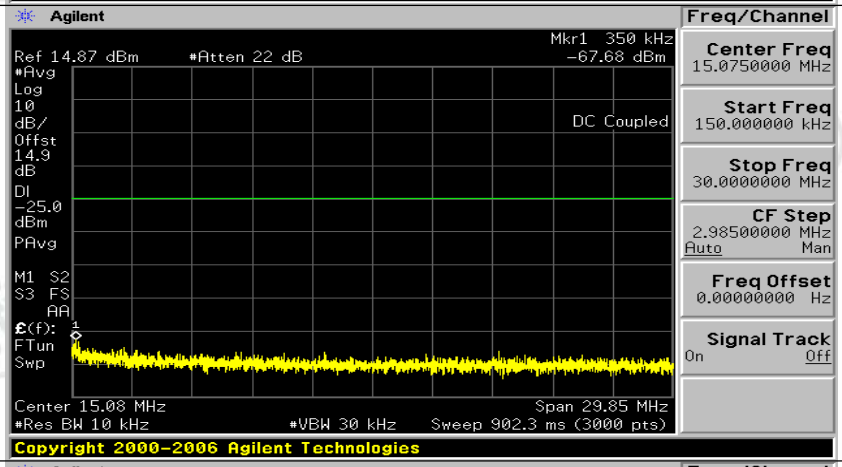


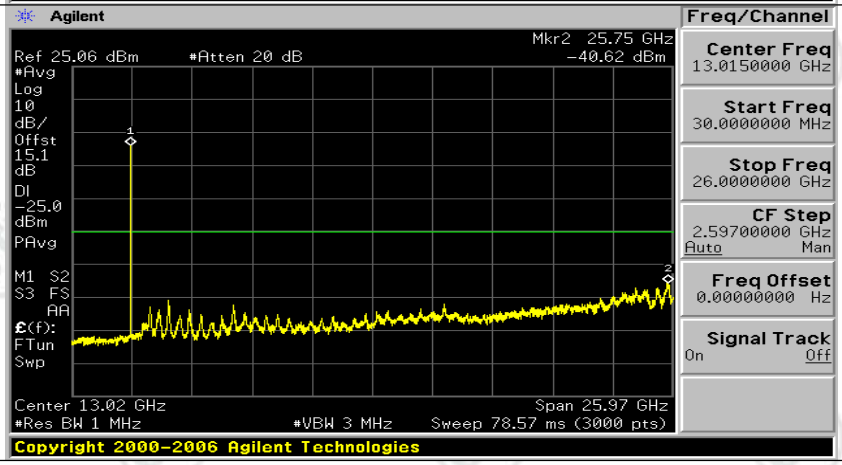


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0




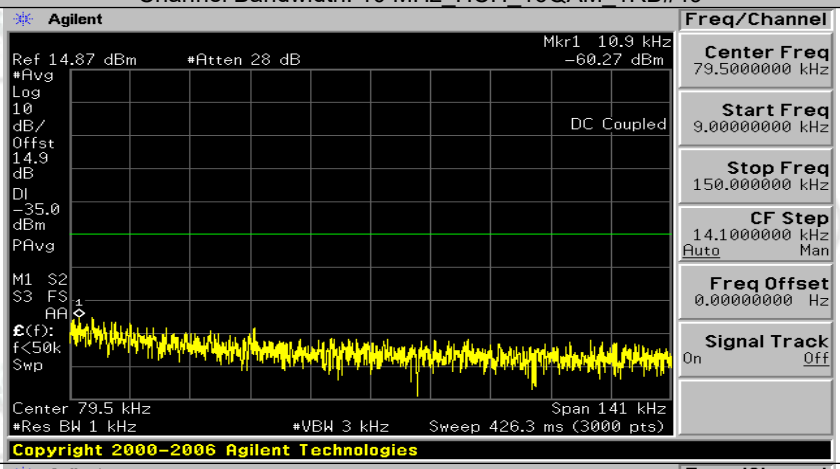
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

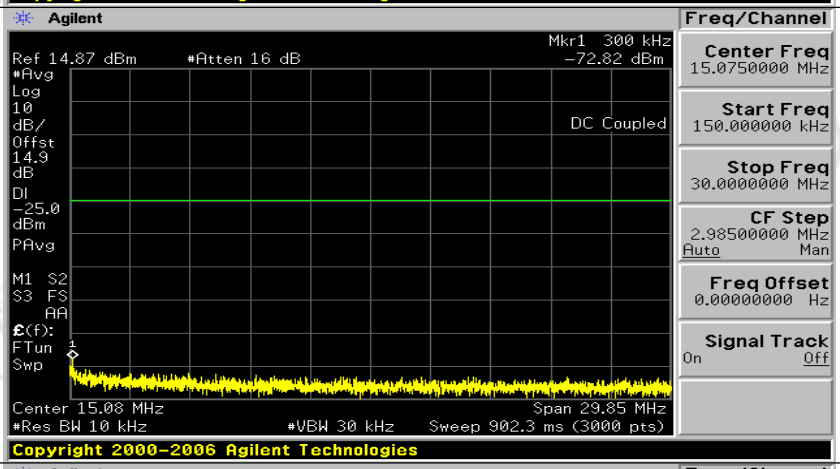


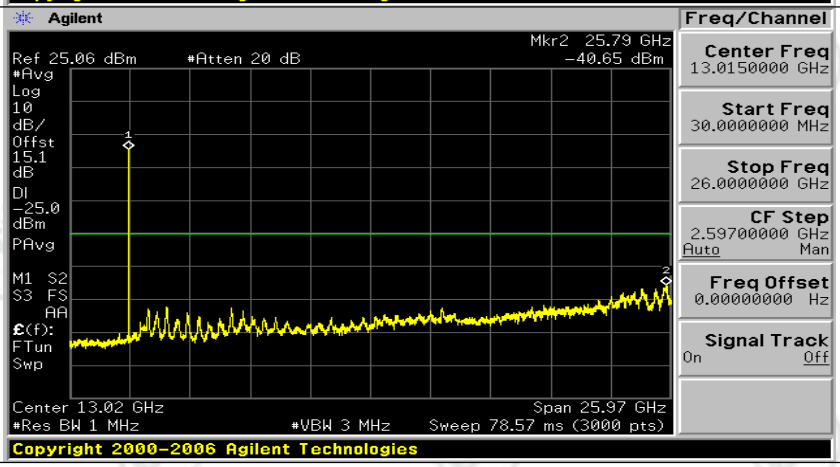




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

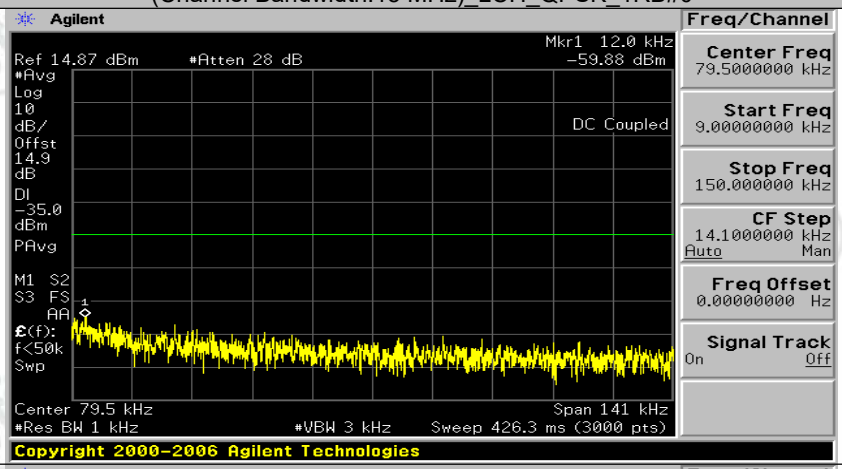


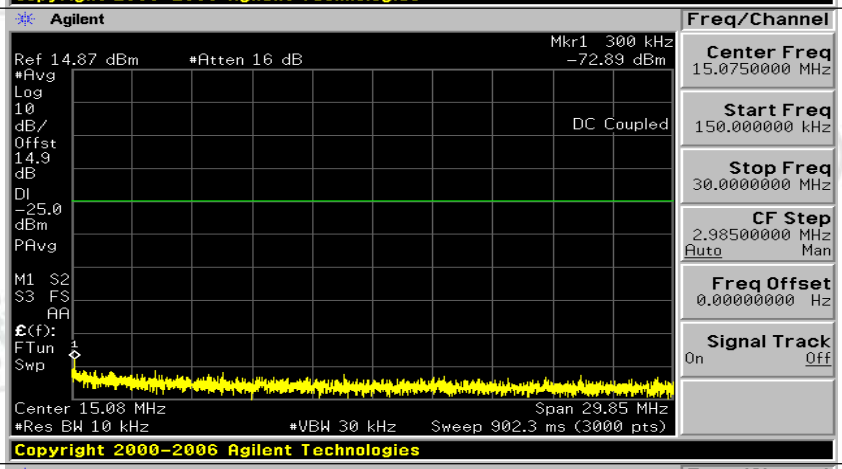


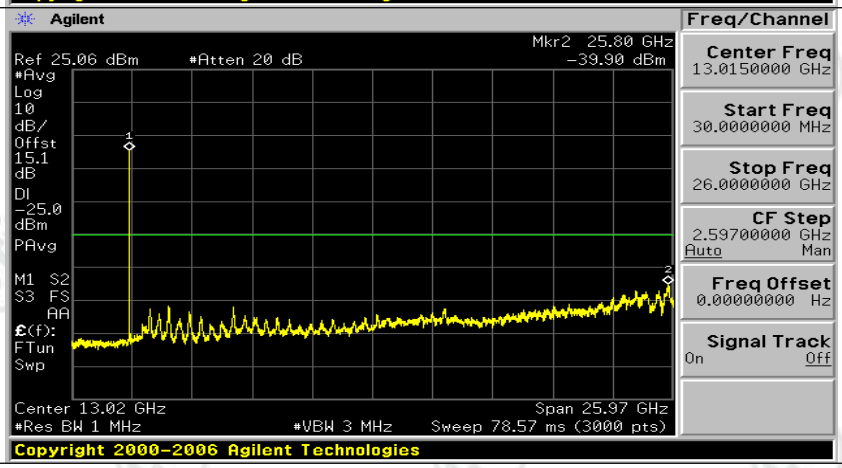


Channel Bandwidth: 15 MHz

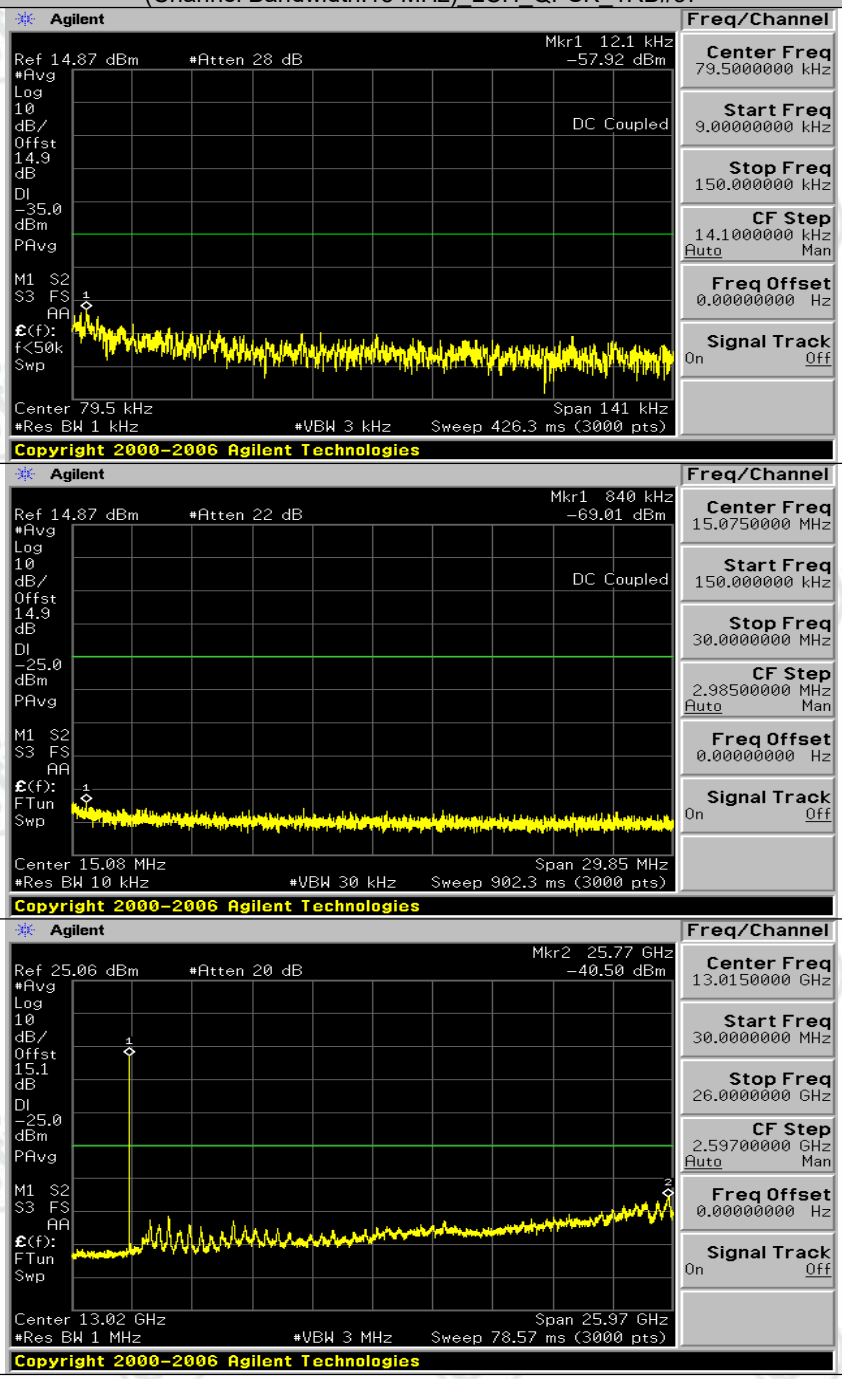
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



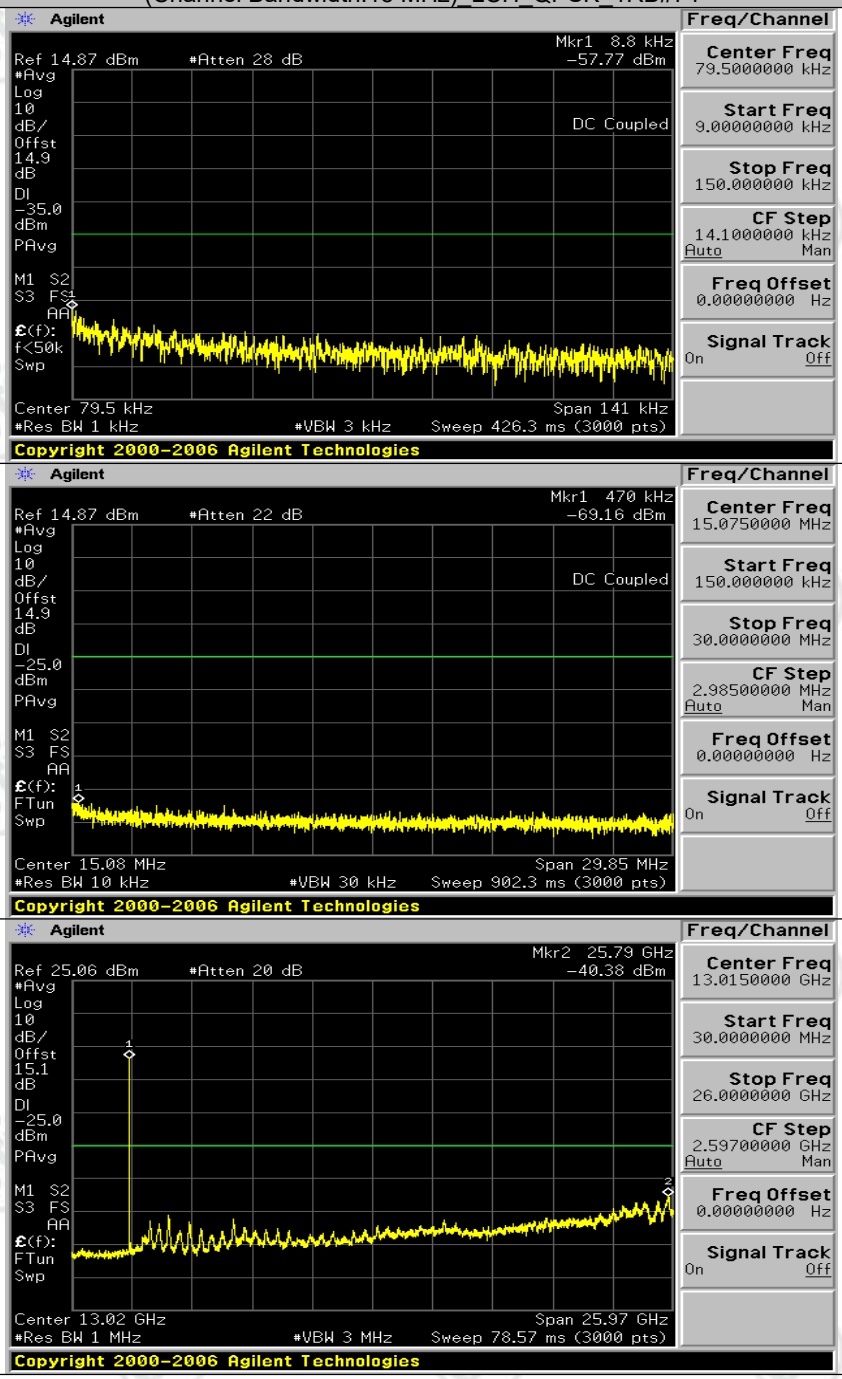




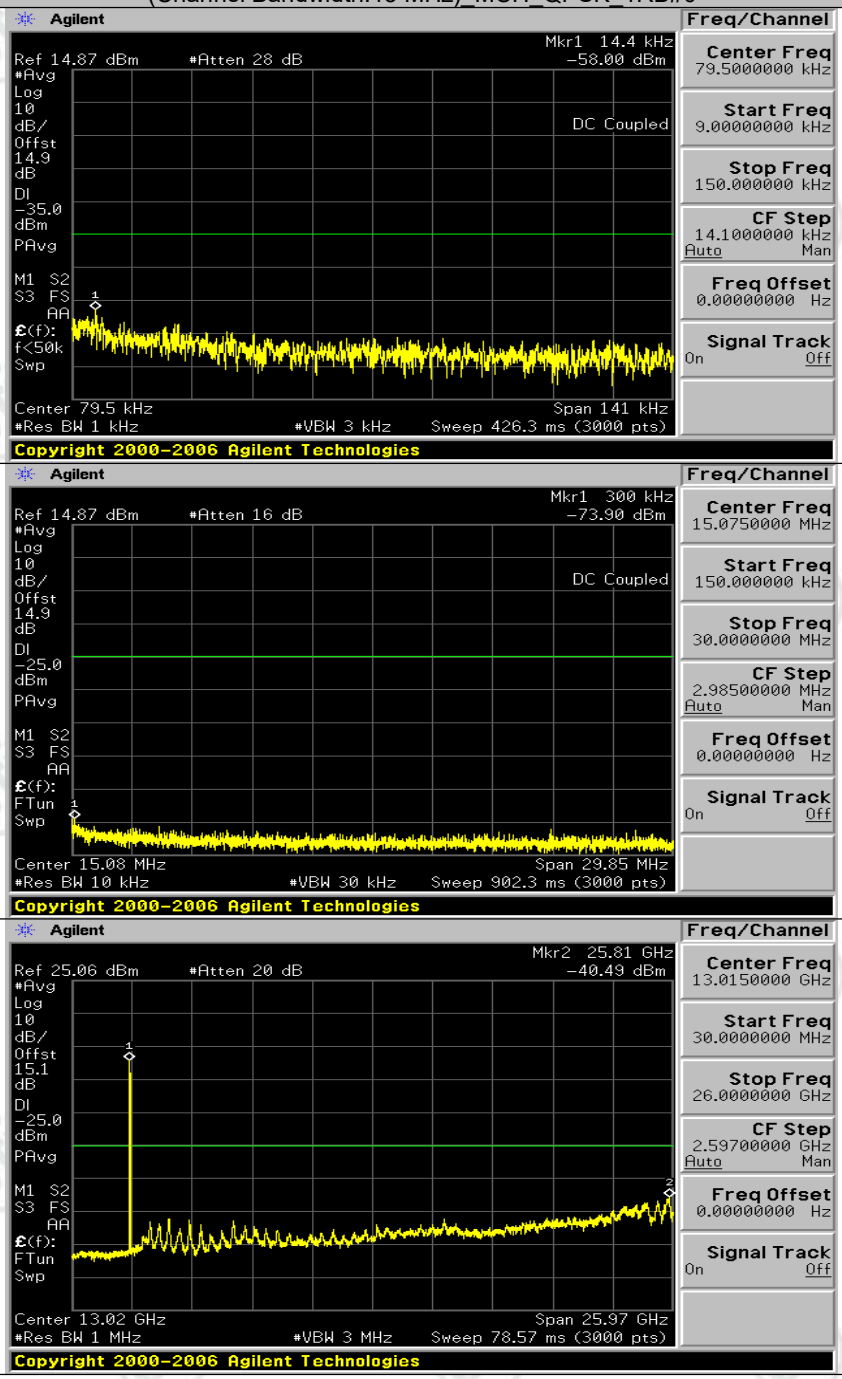
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



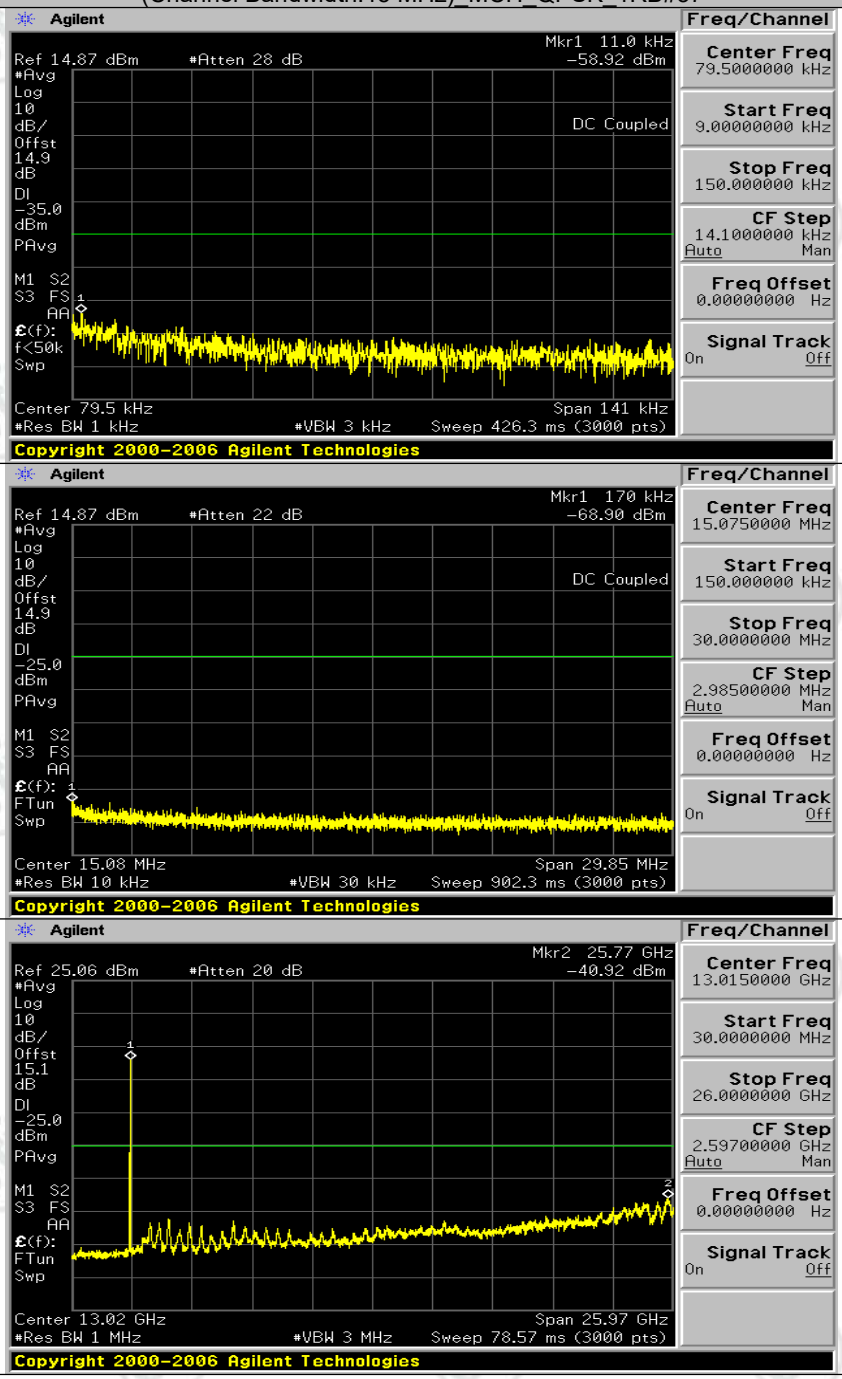
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



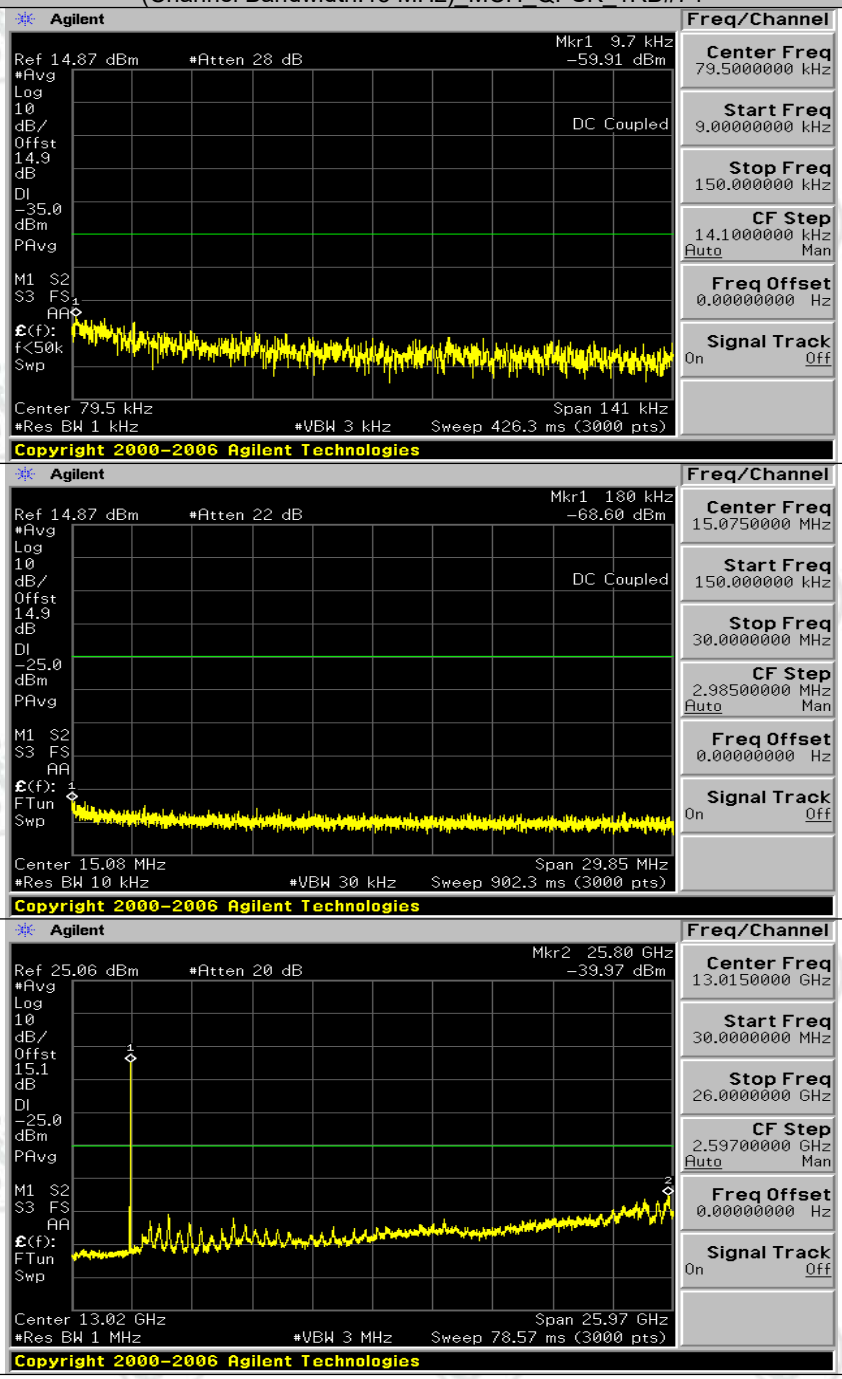
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



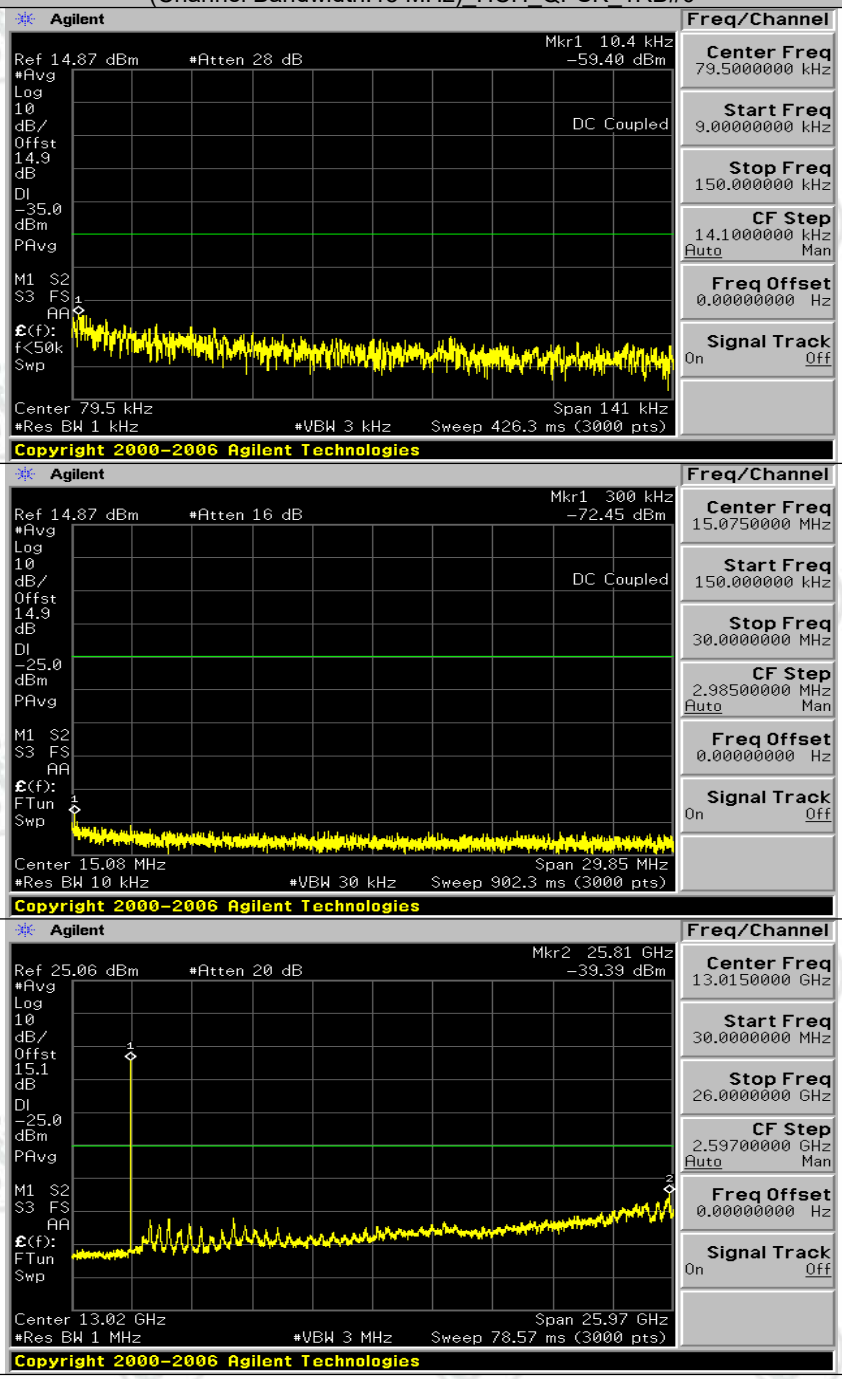
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



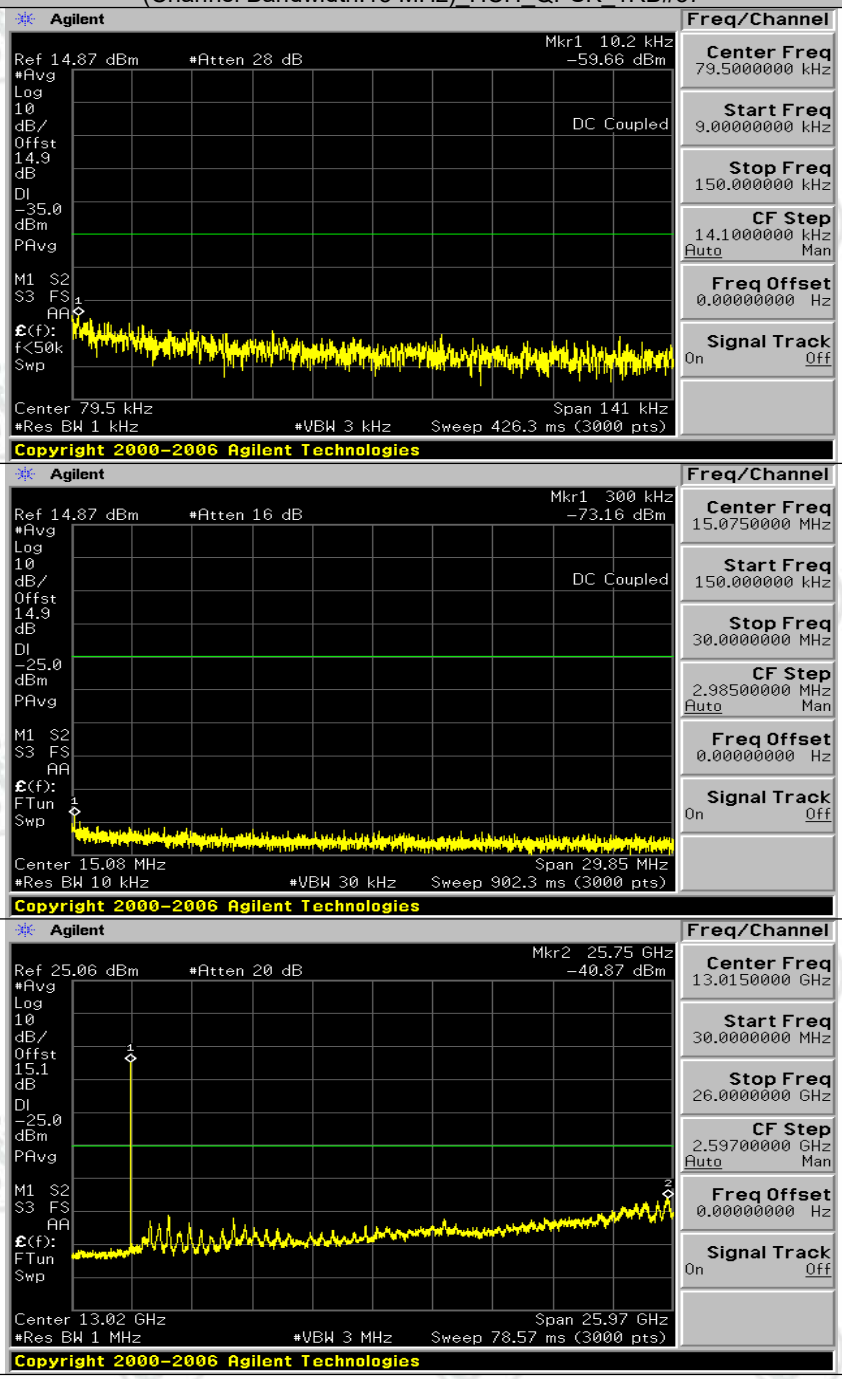
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74



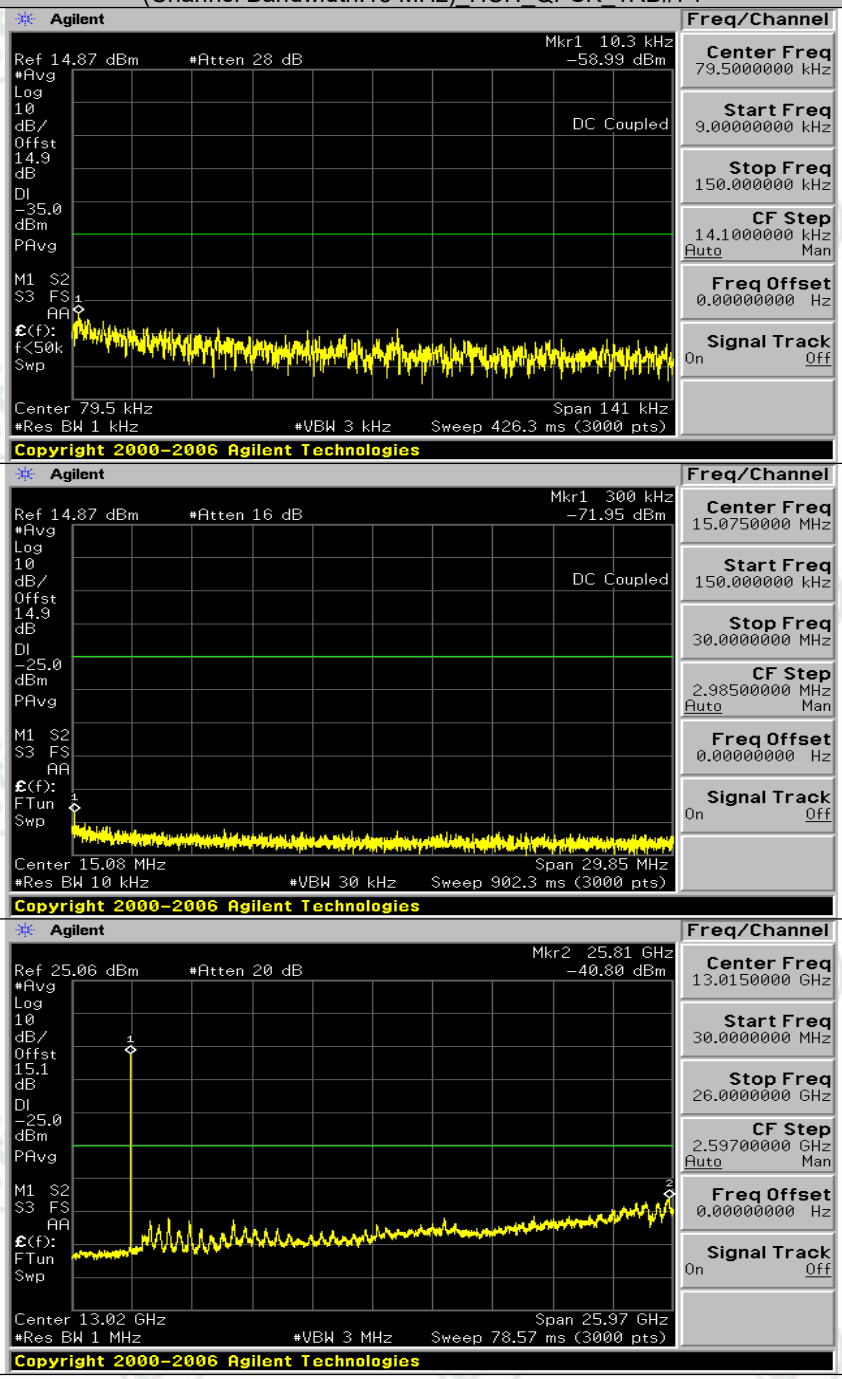
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



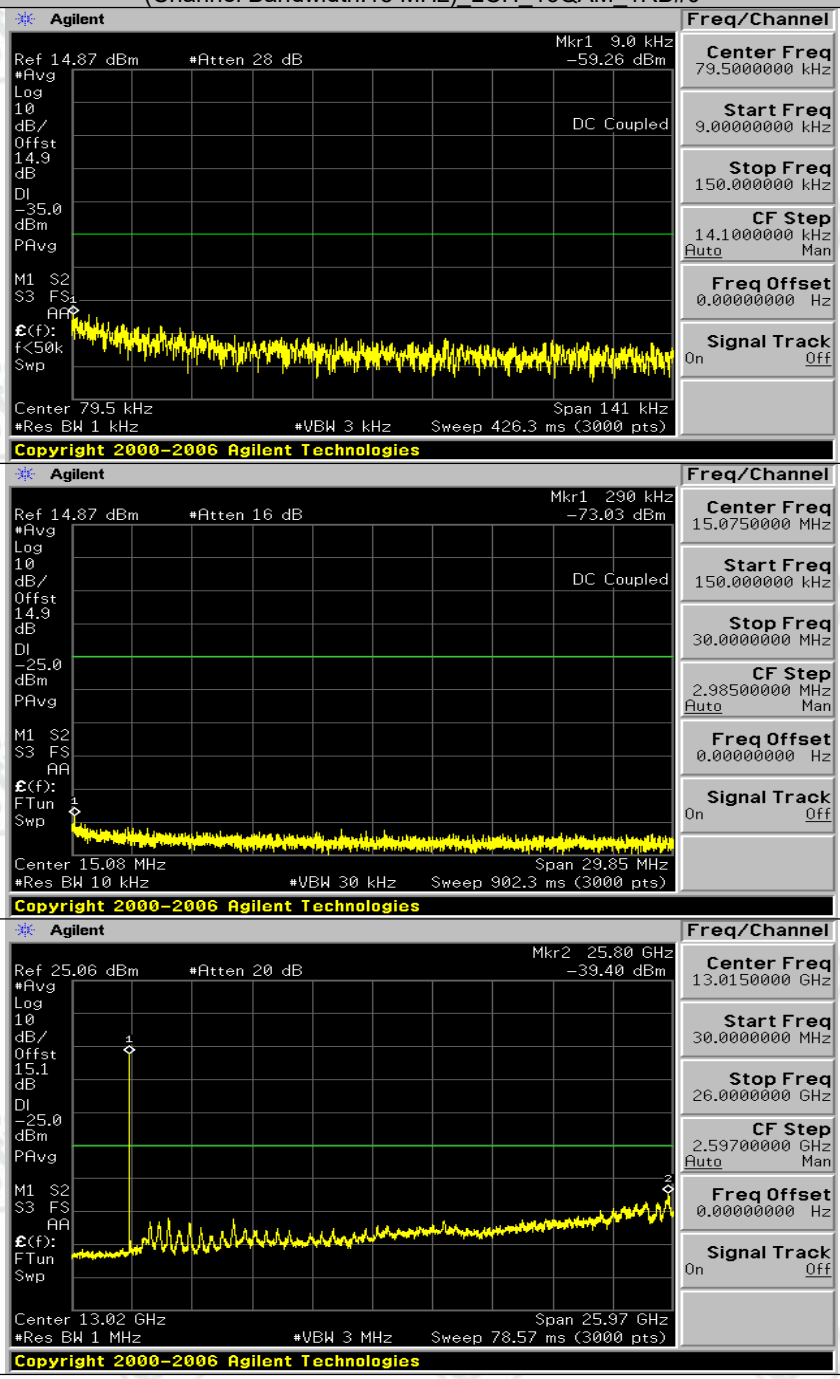
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



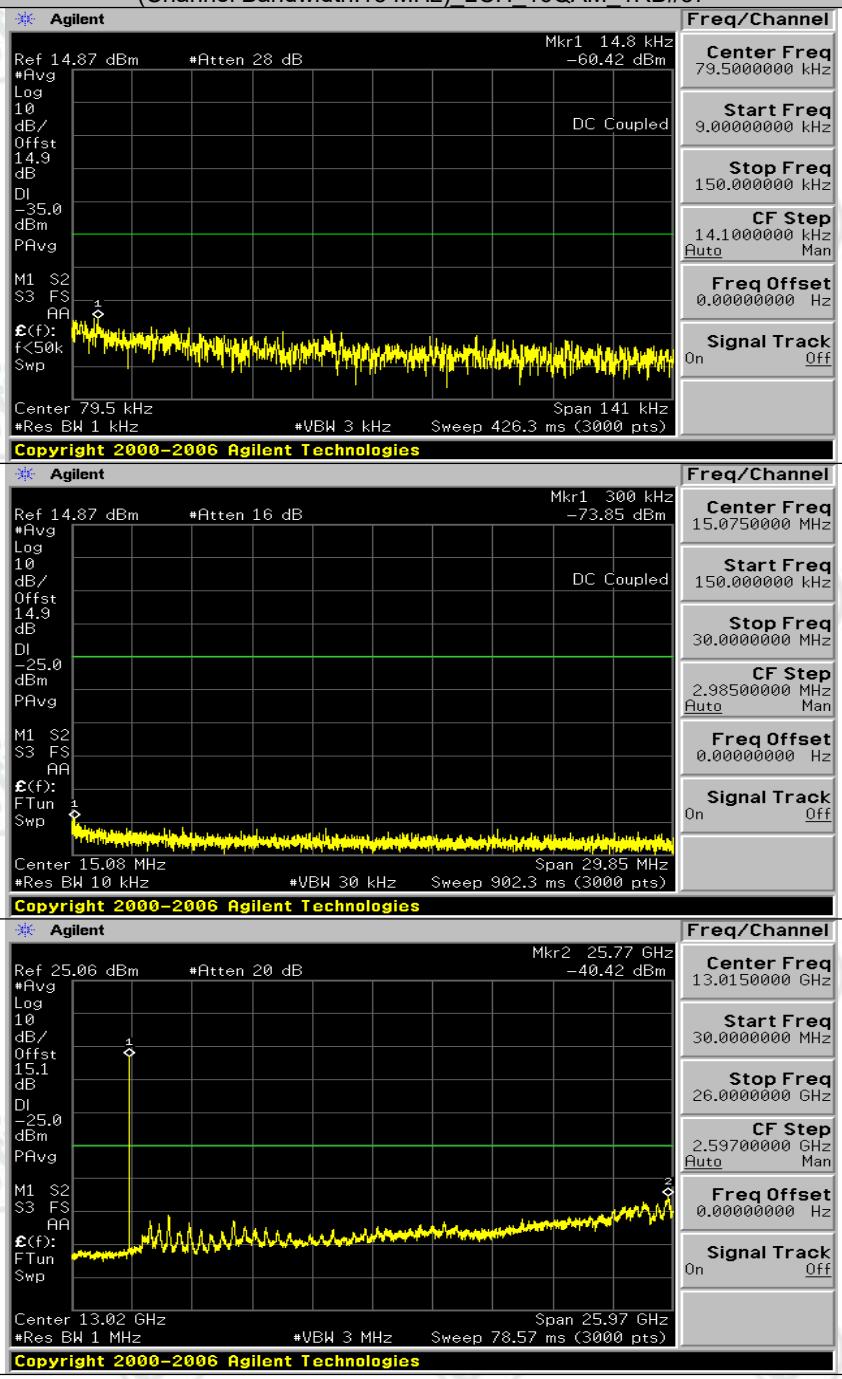
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



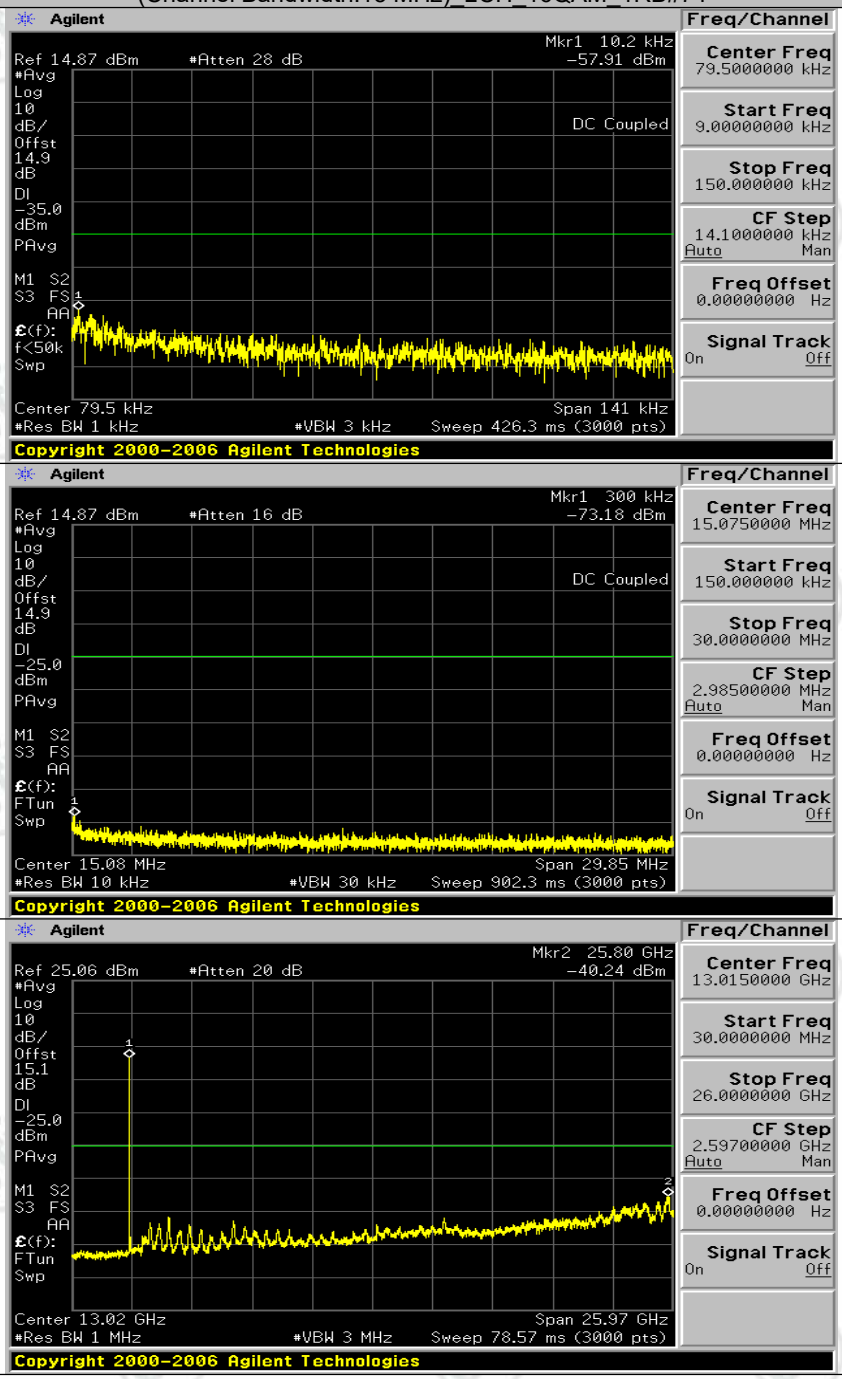
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



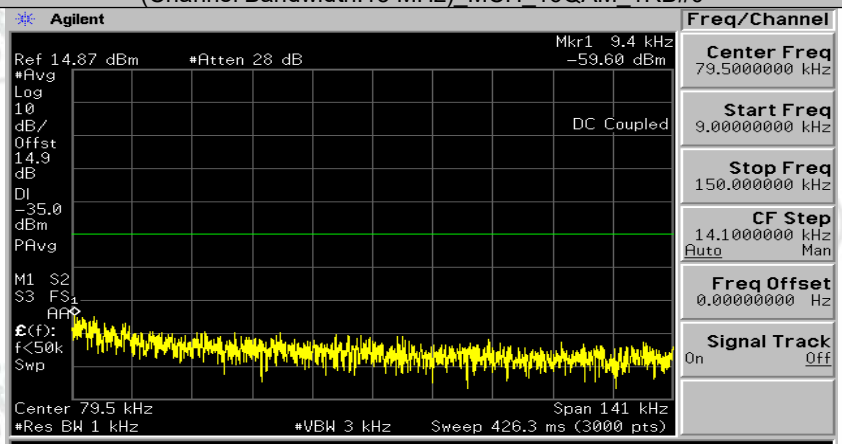
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

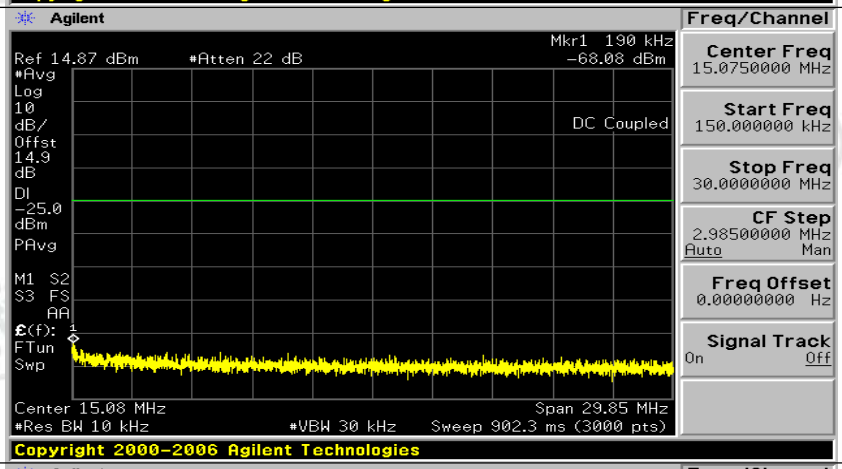


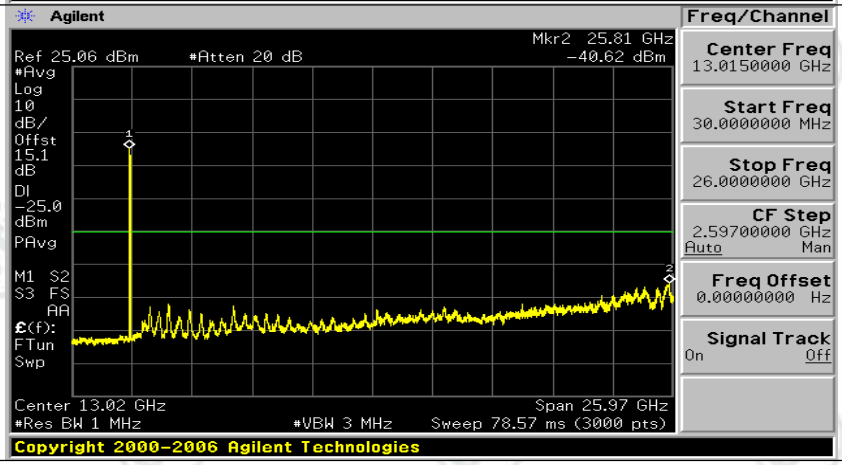
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



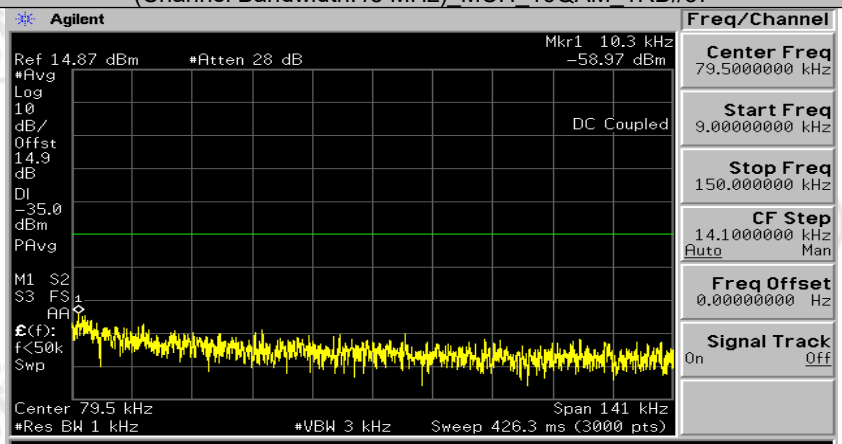
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

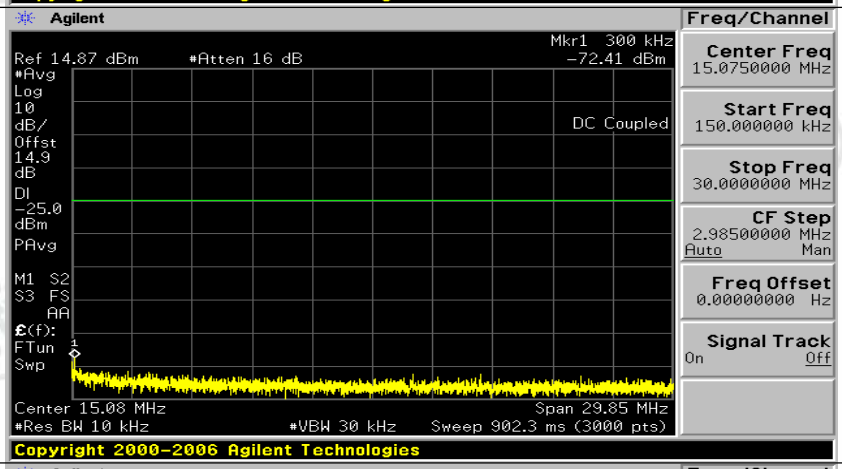


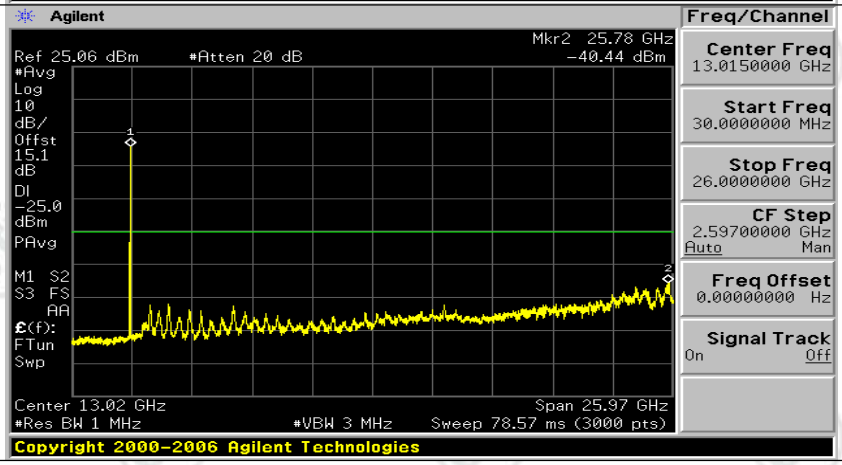




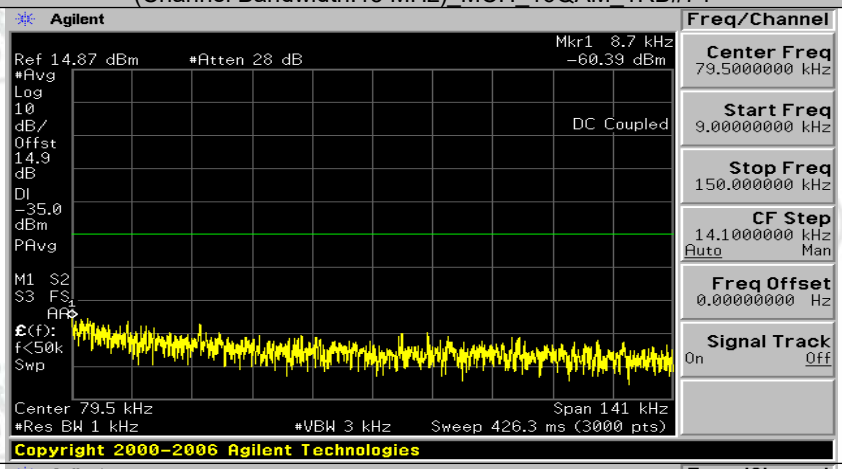
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

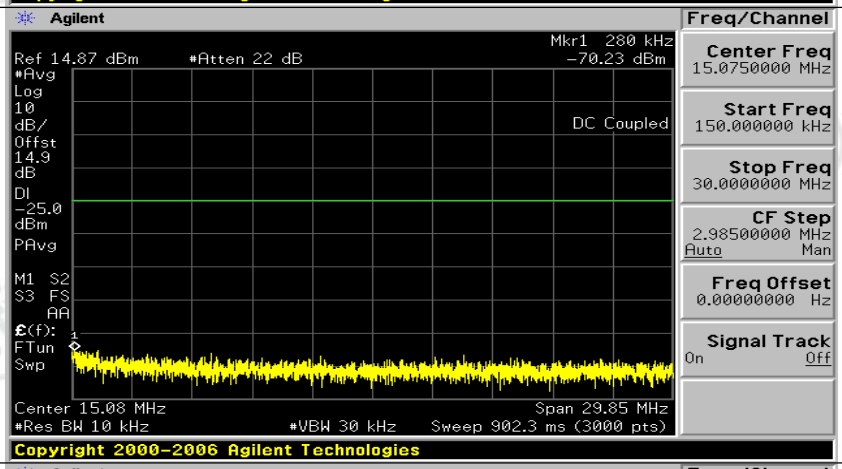


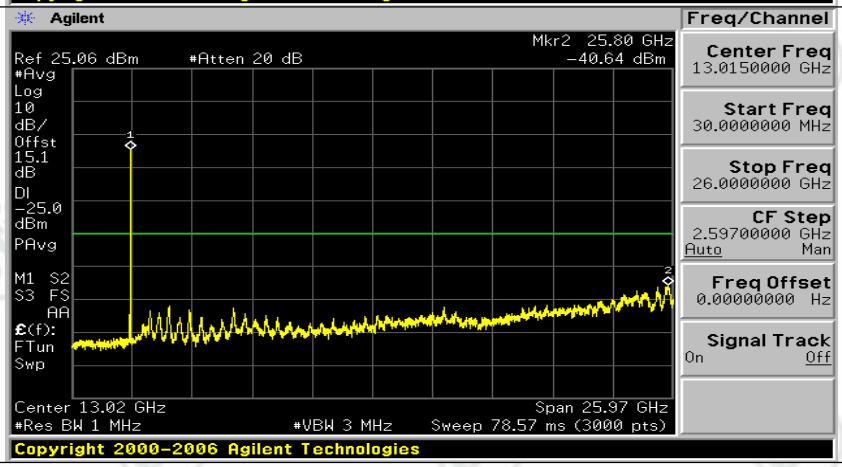




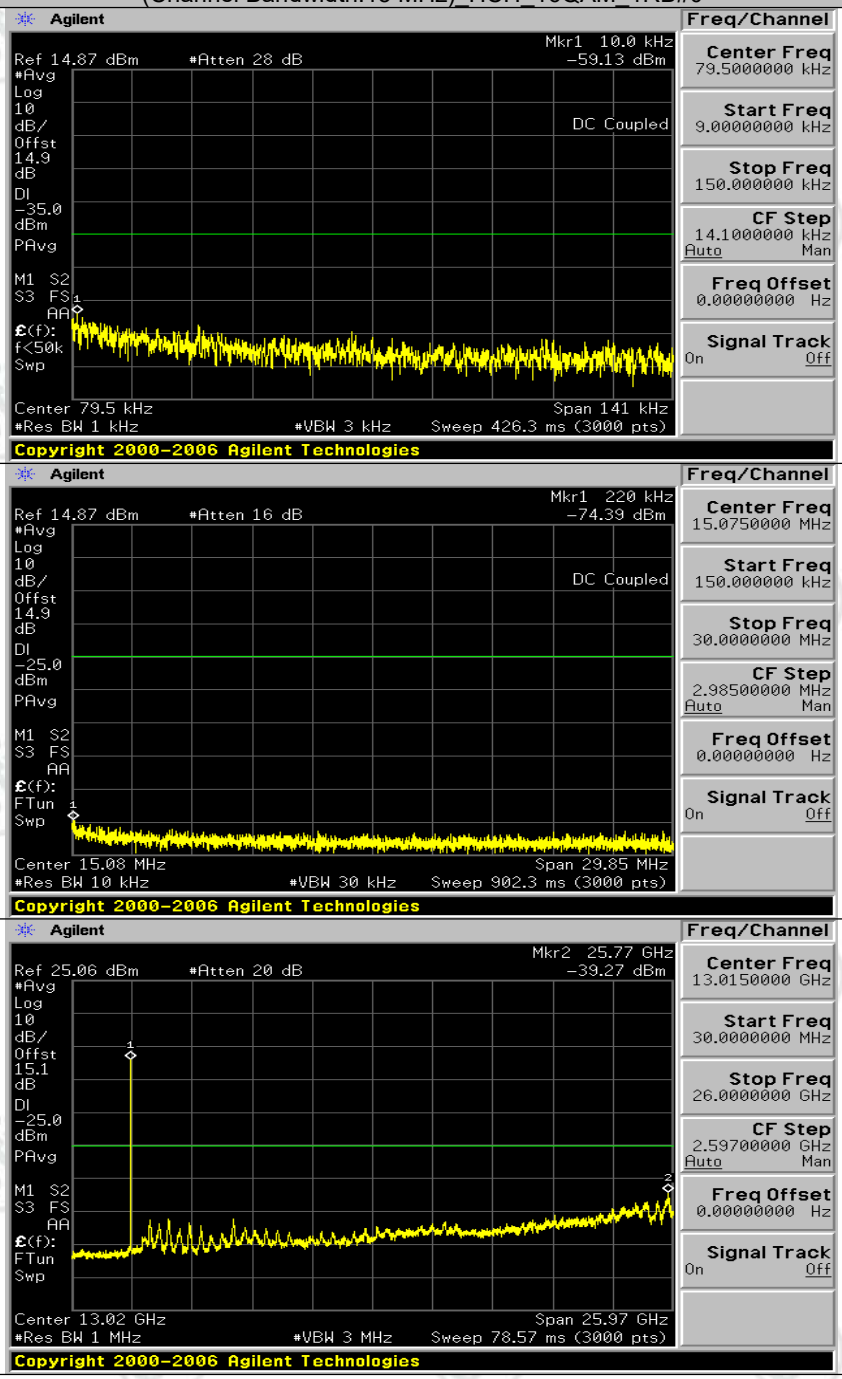
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74



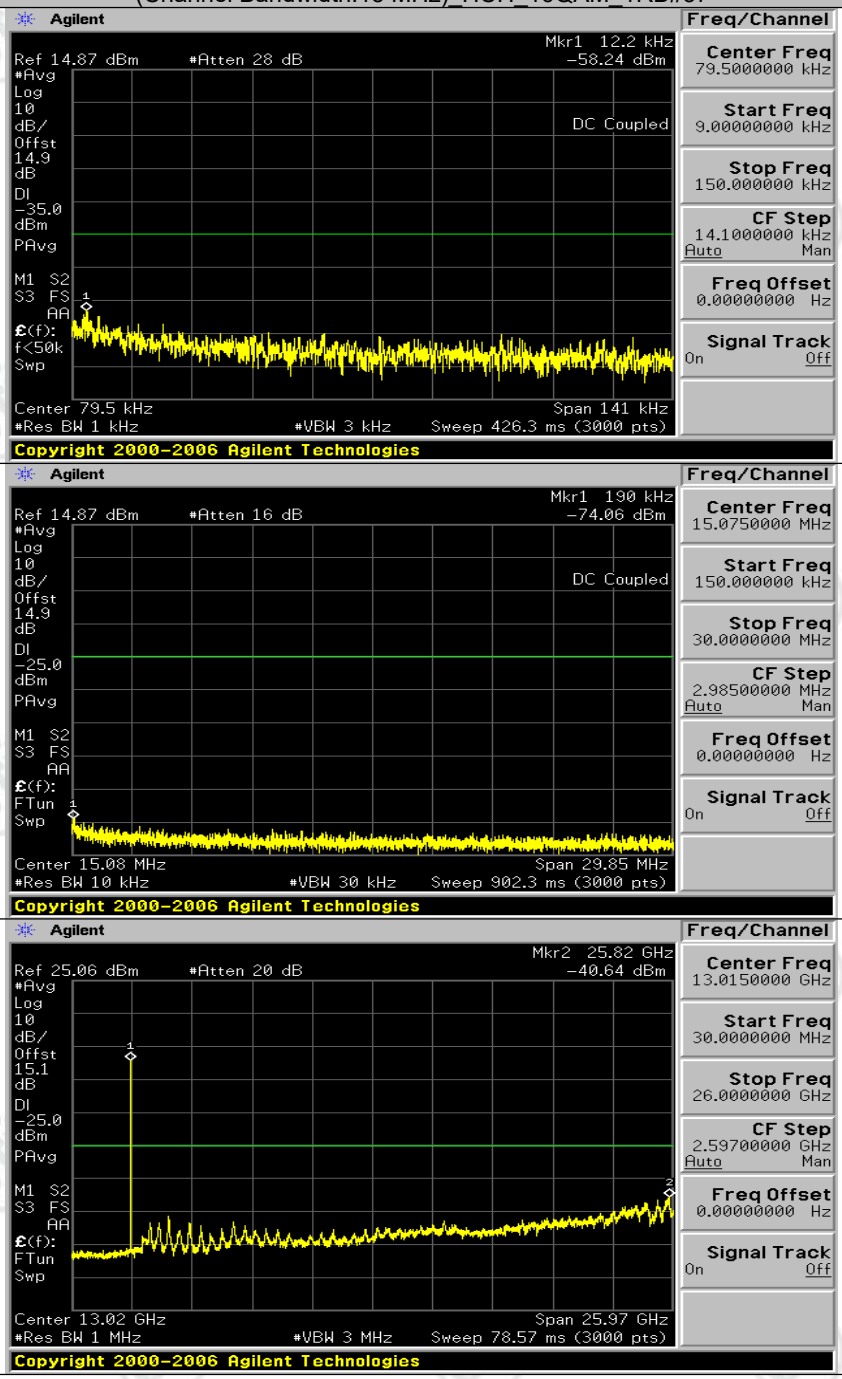




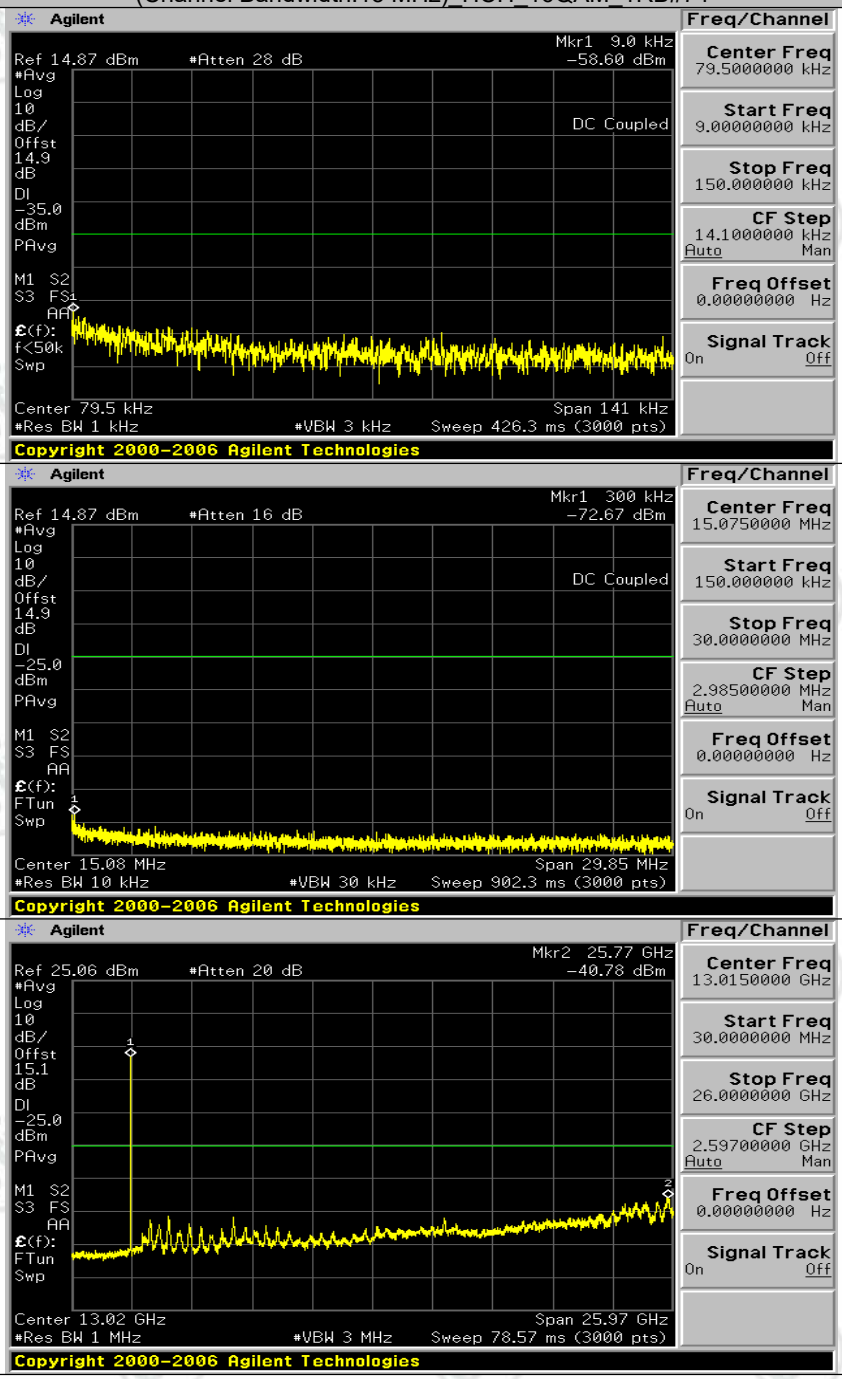
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



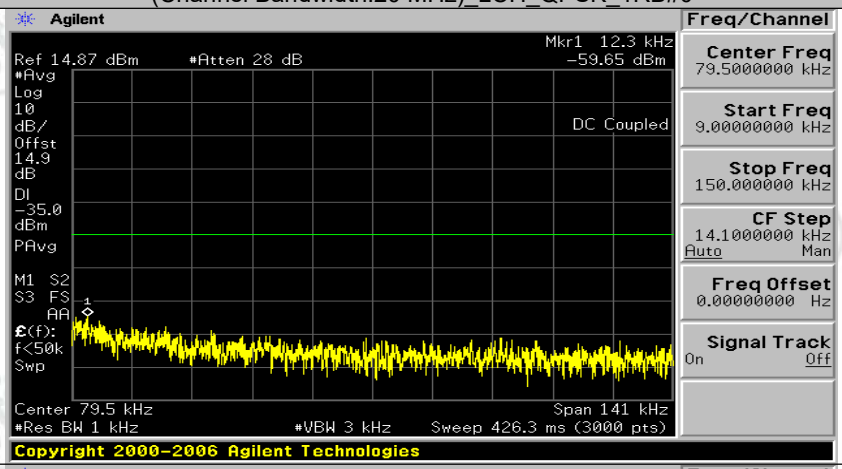
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

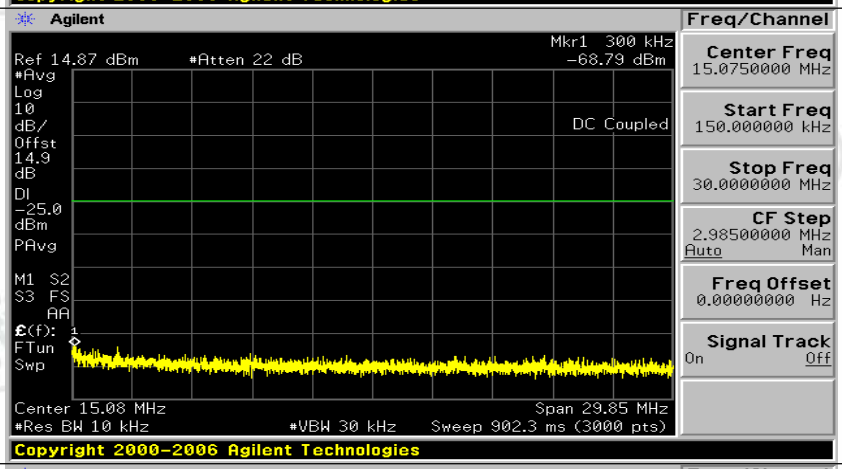


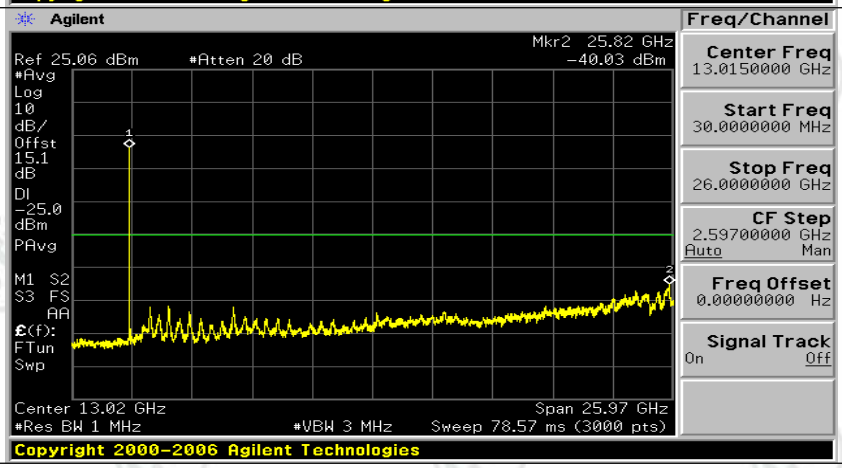
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



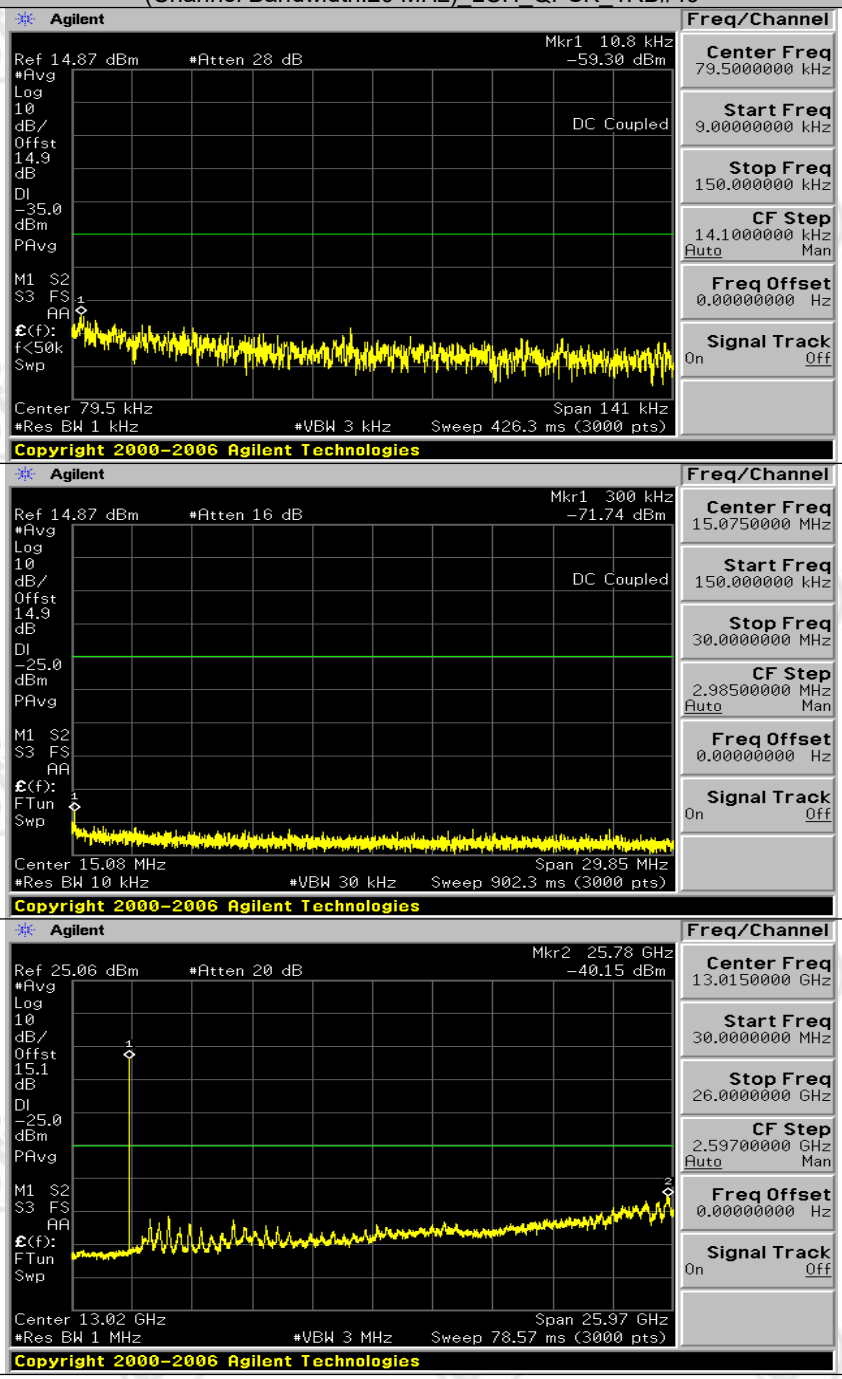
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



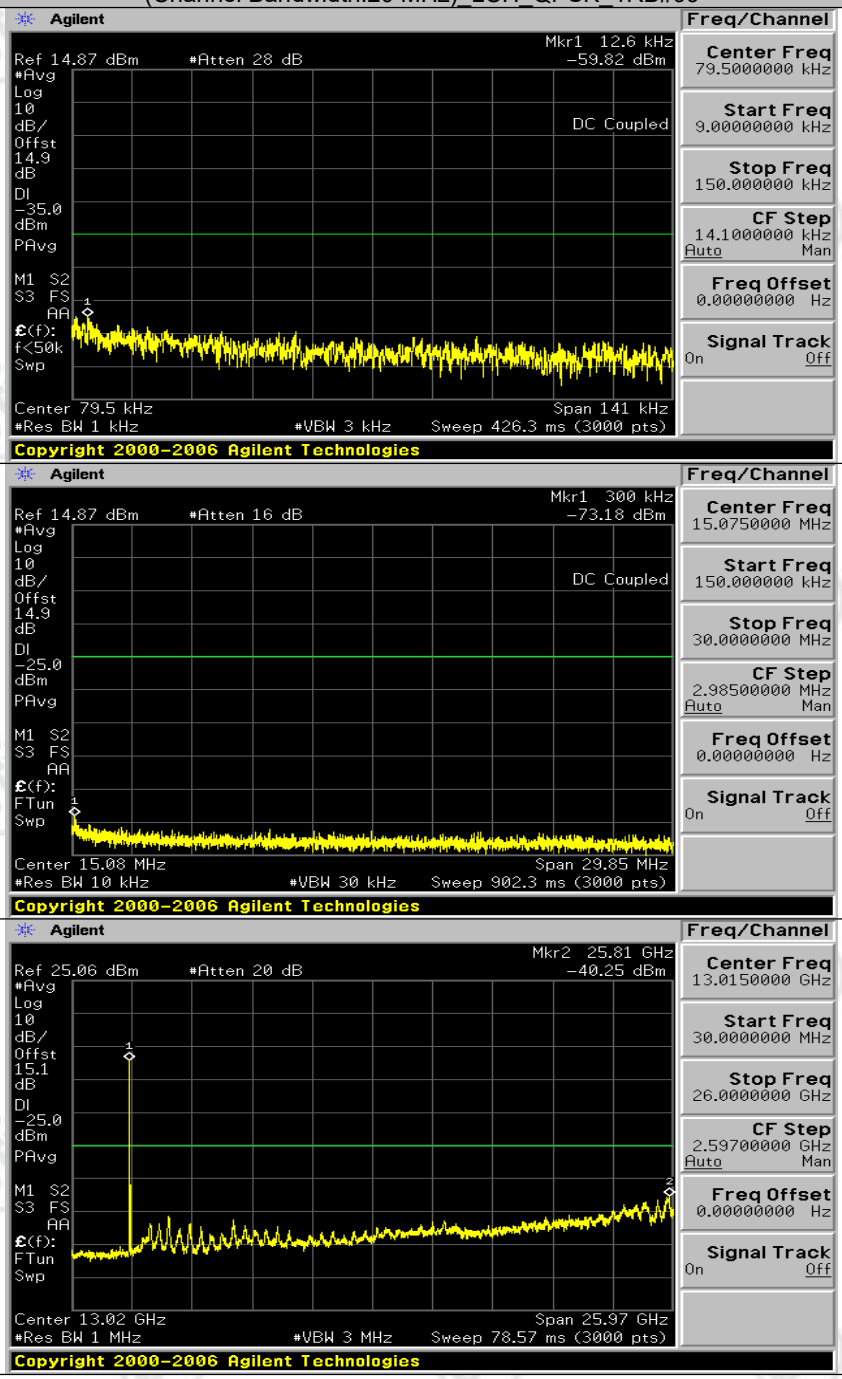




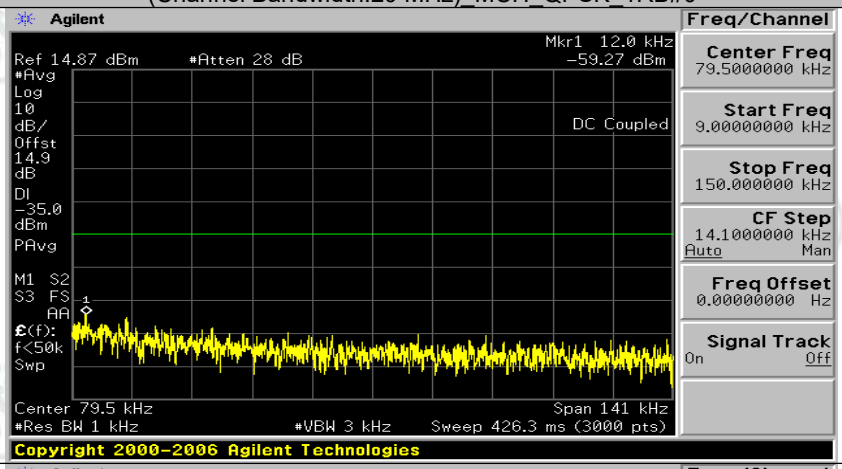
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

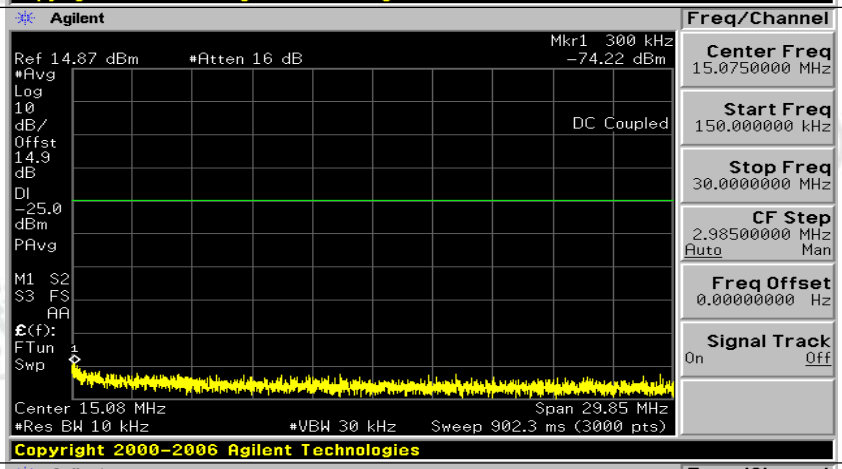


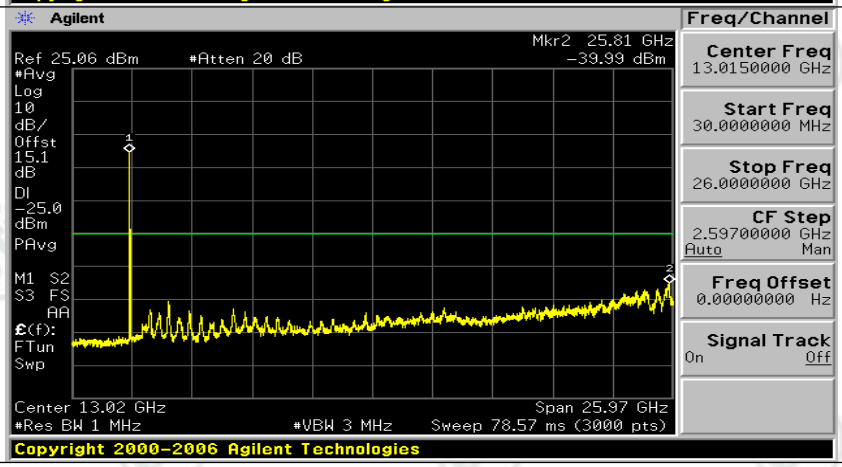
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



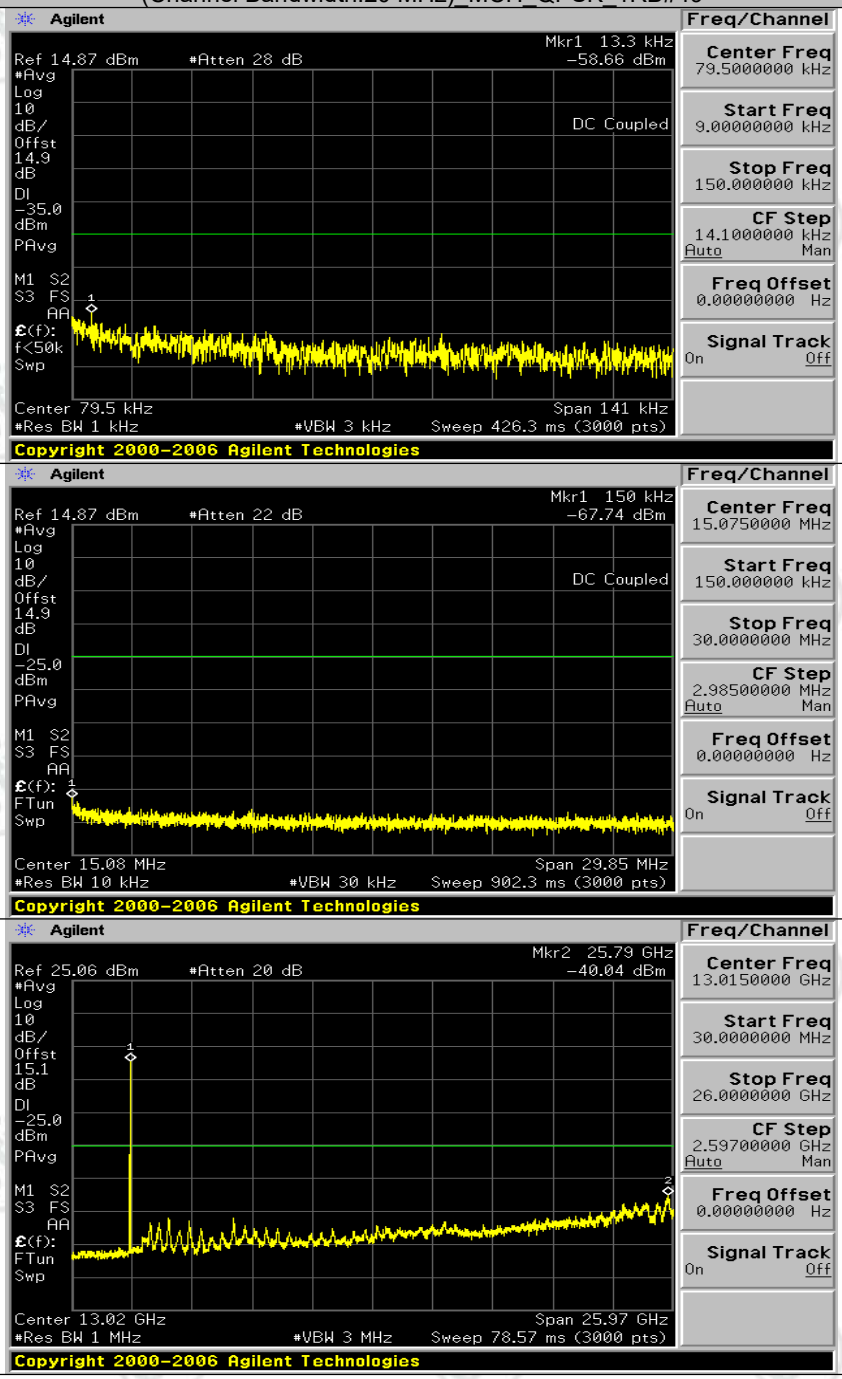
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



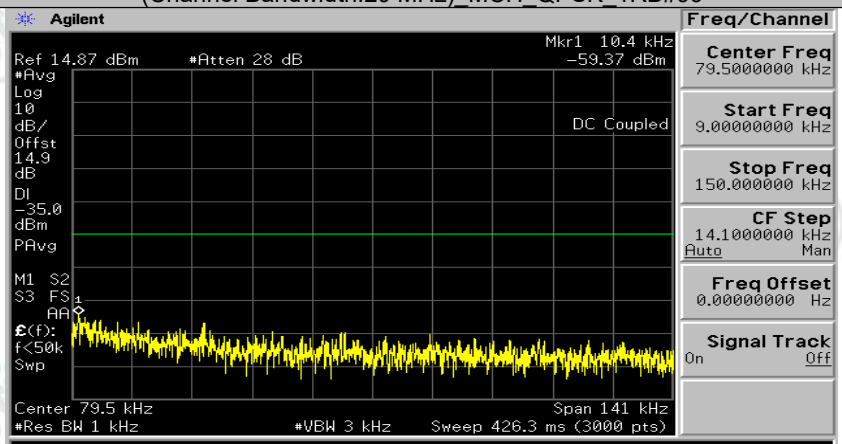


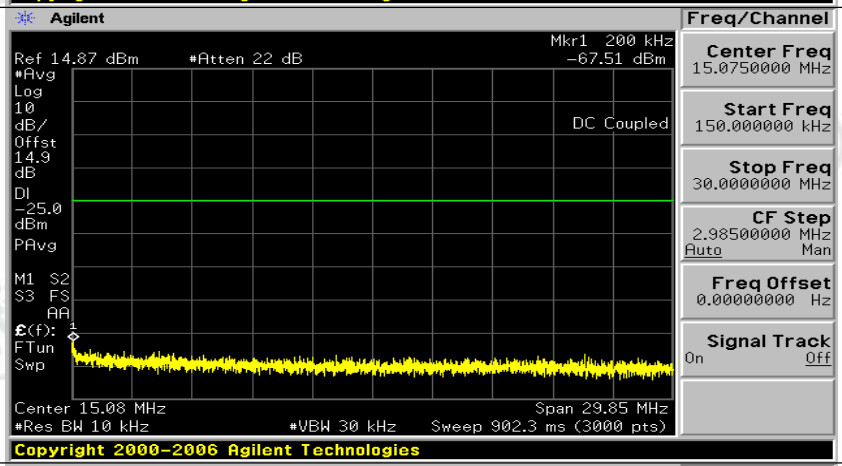


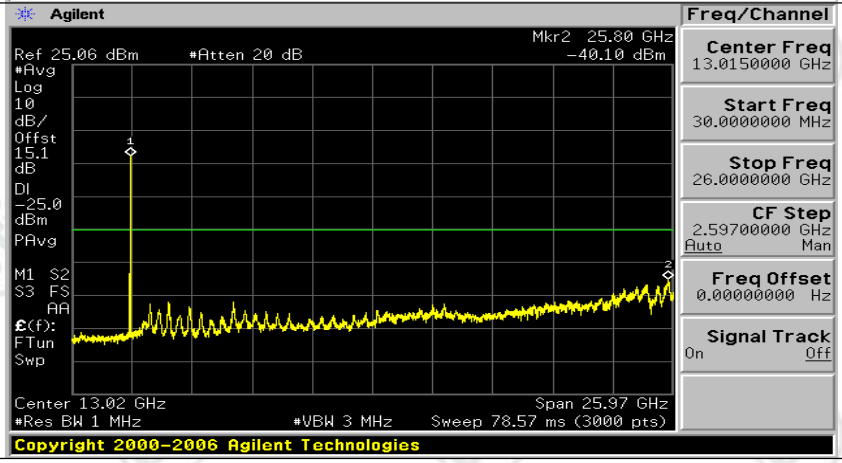
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



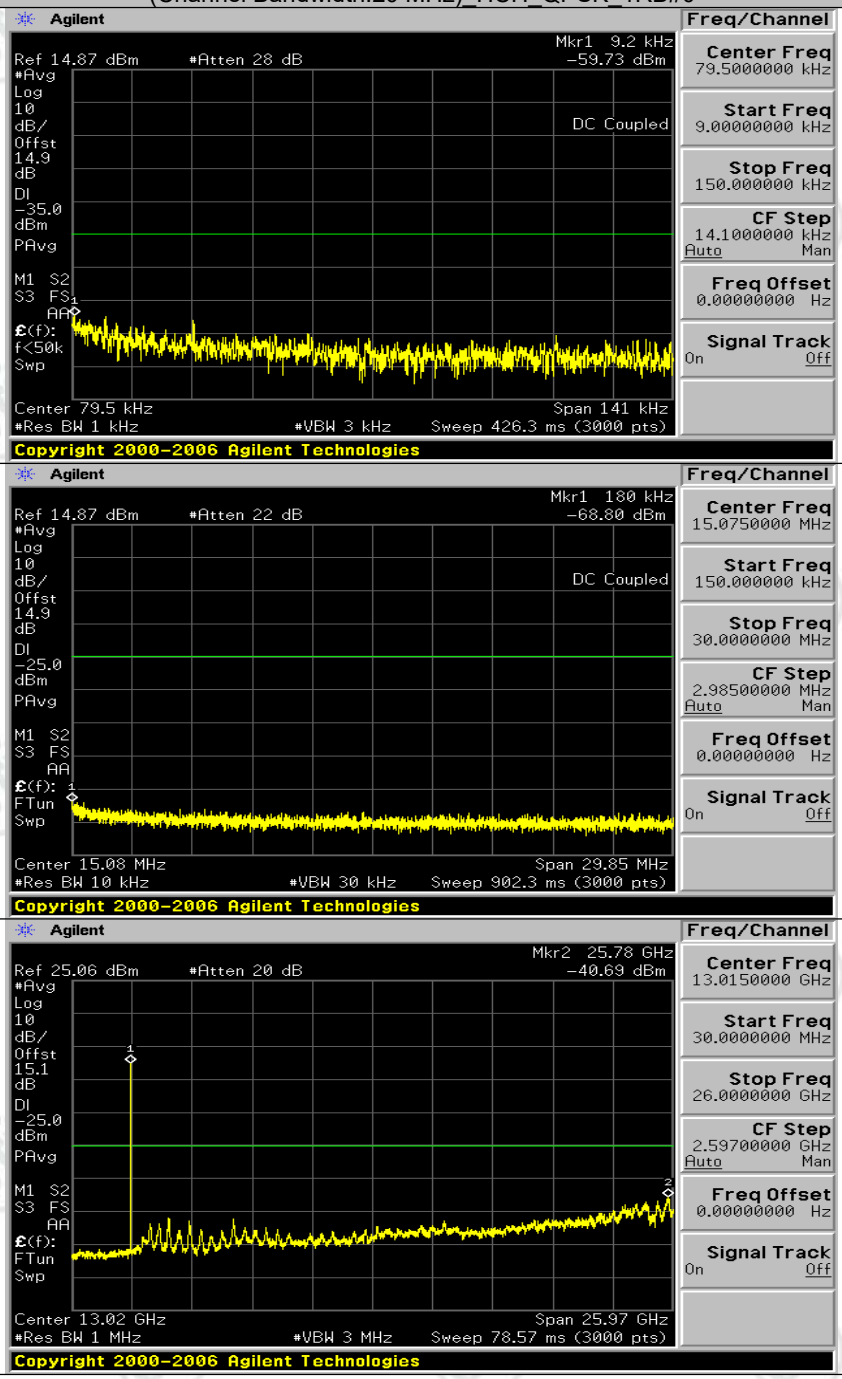
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99



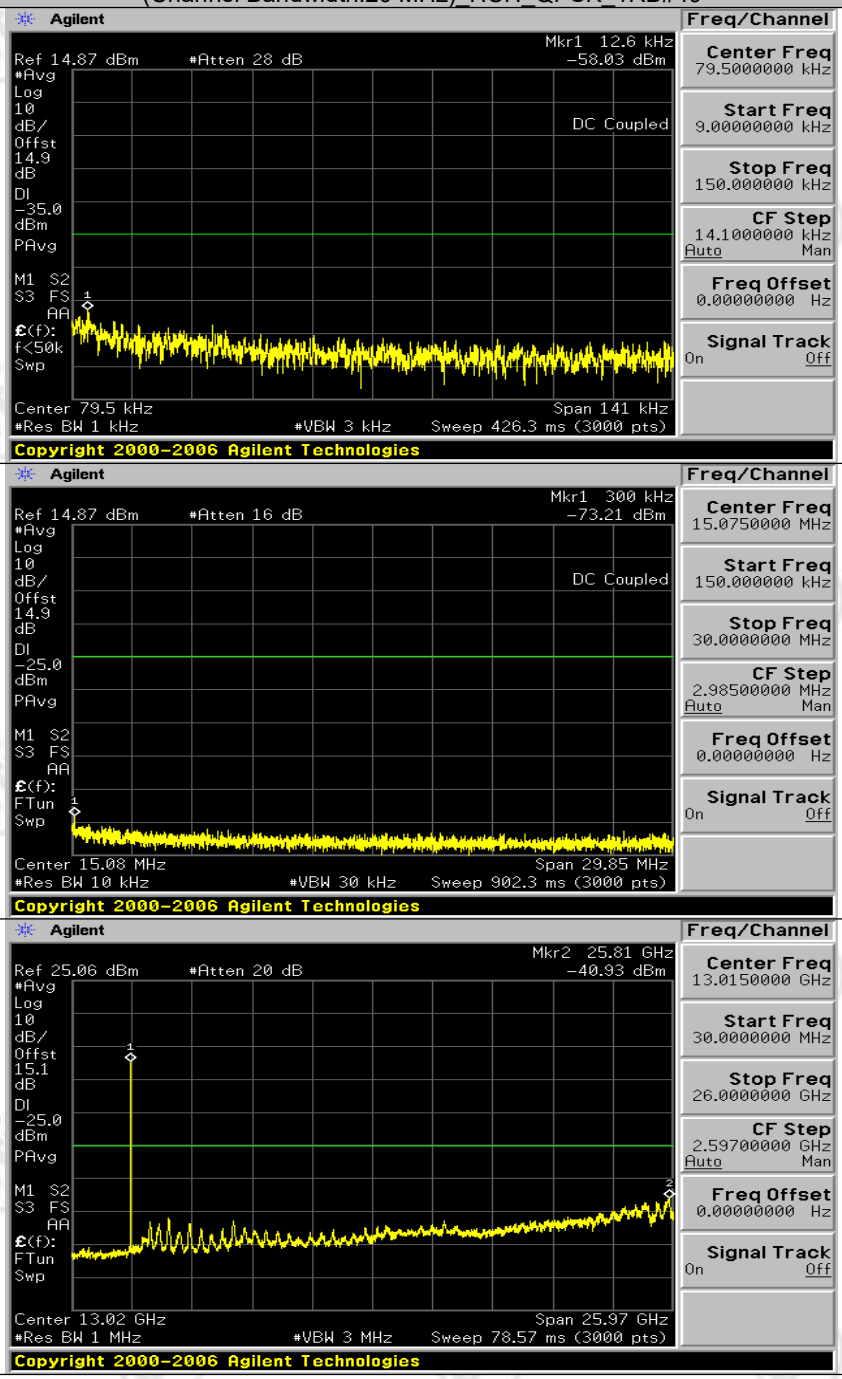




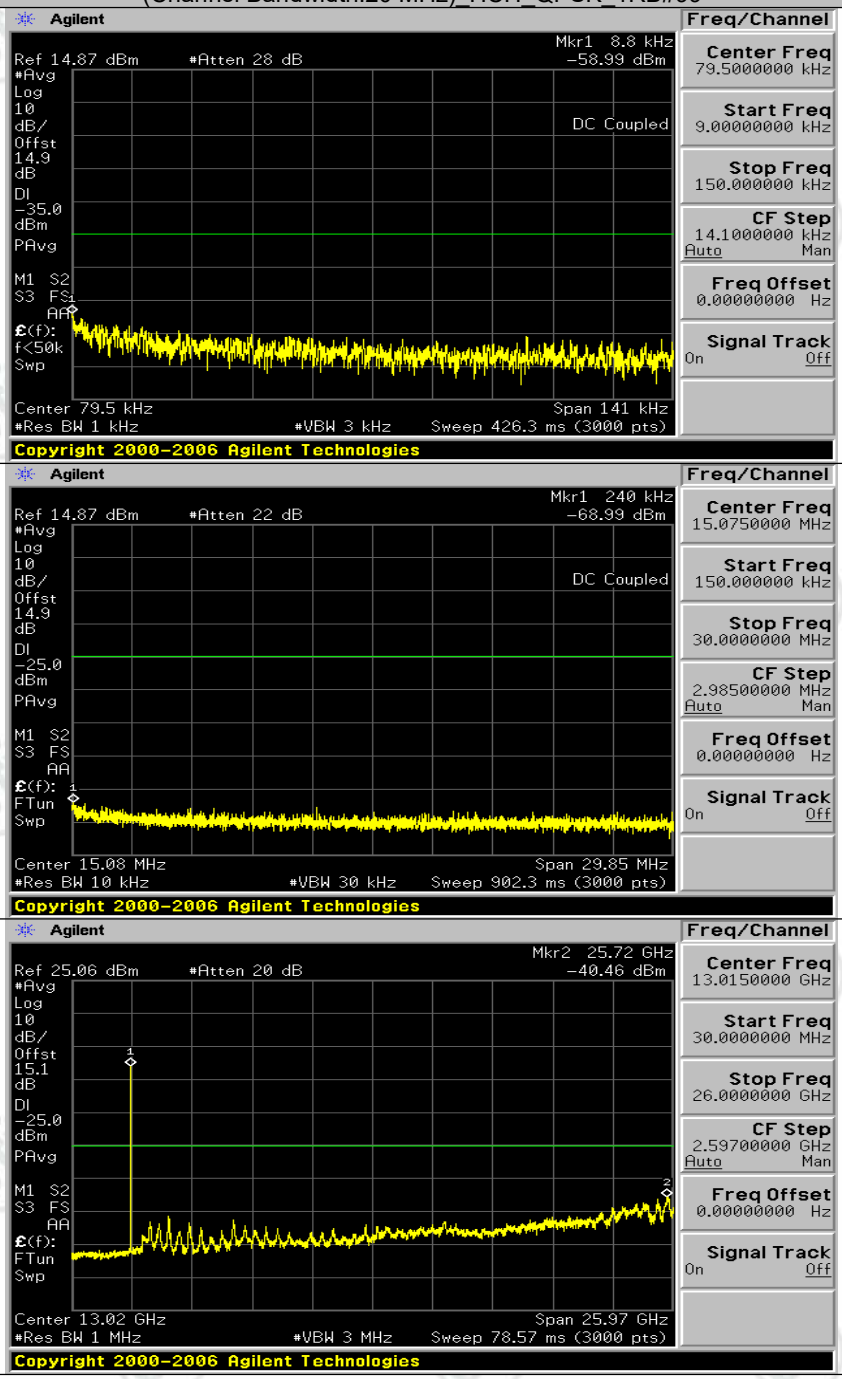
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



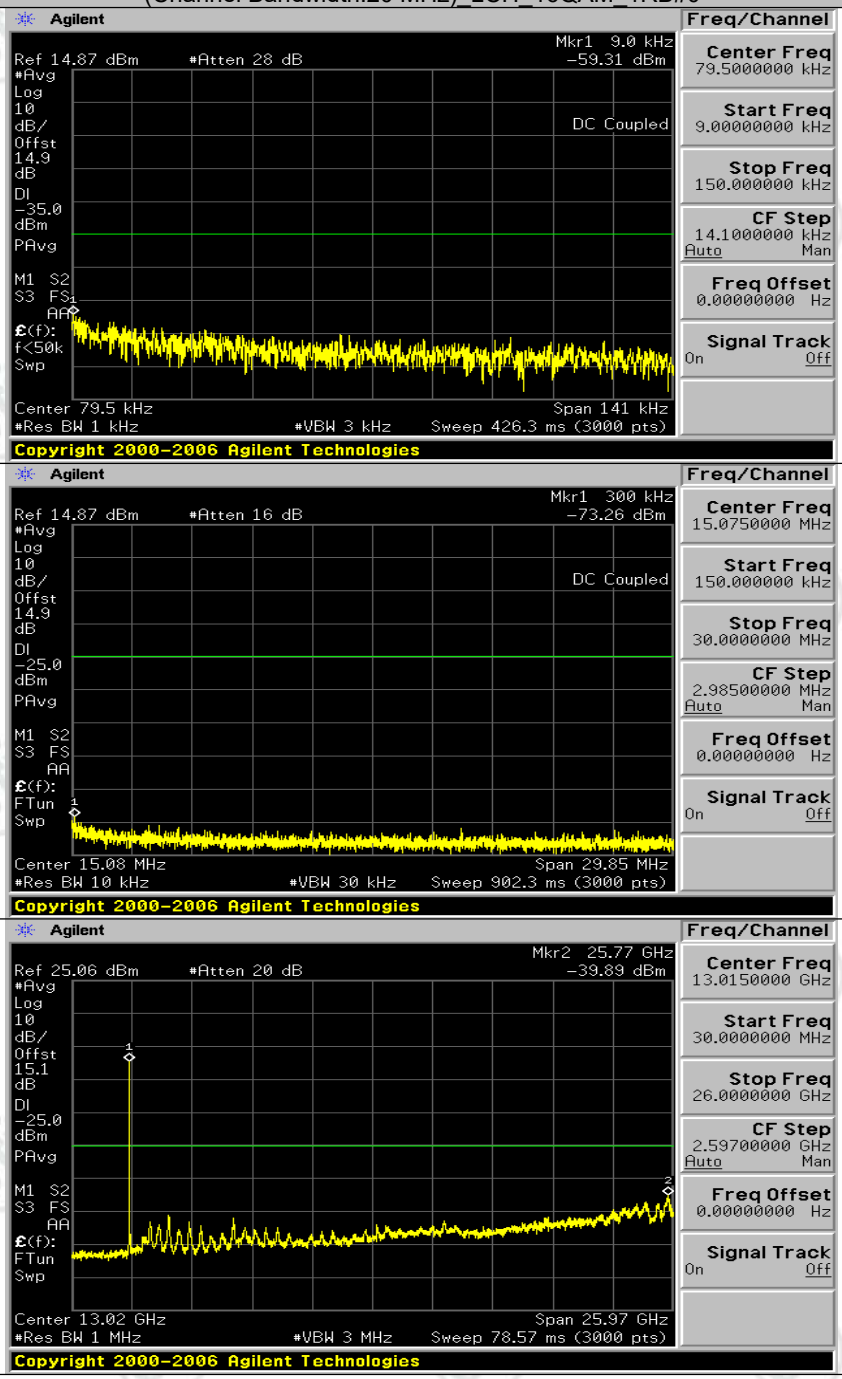
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



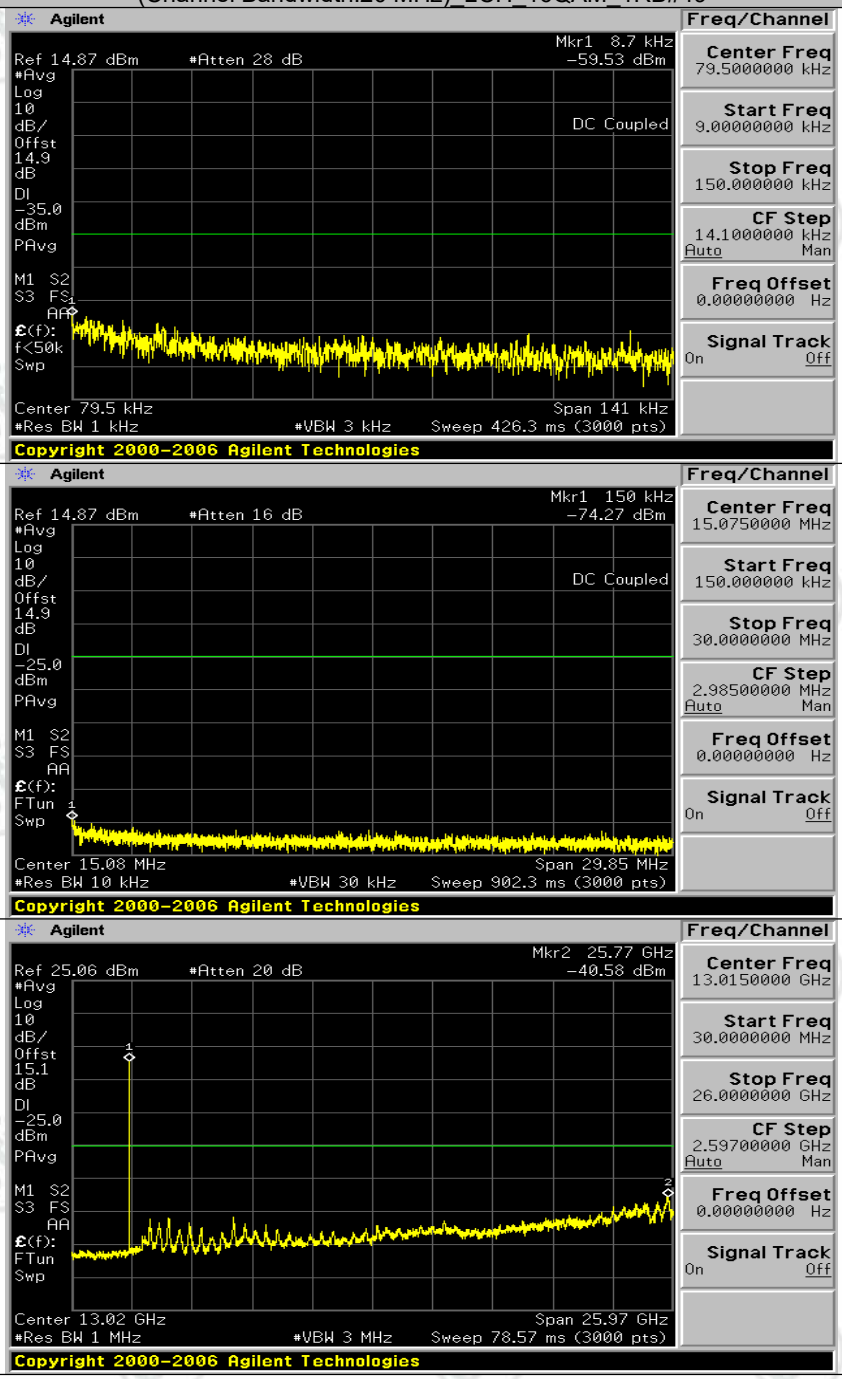
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



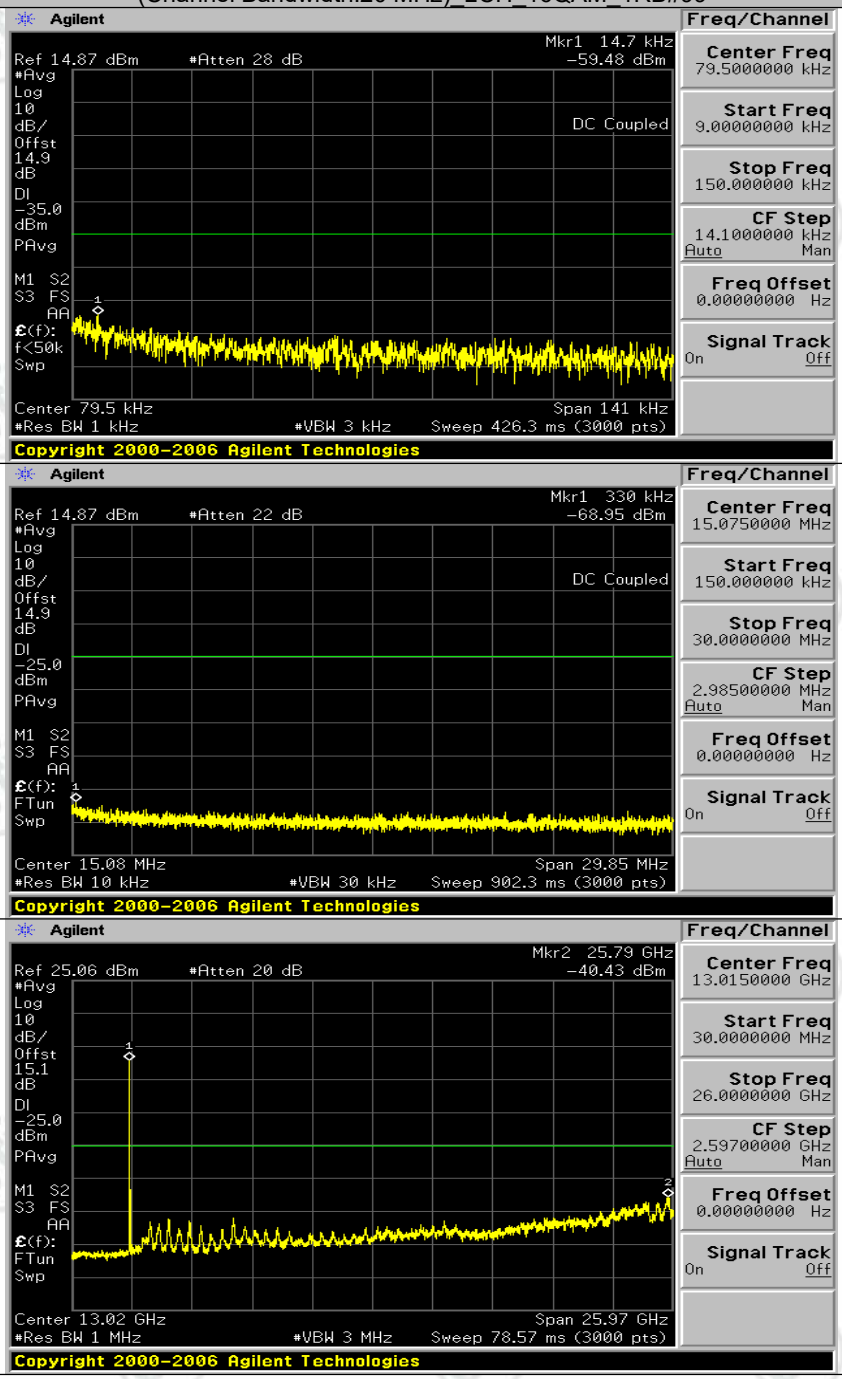
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



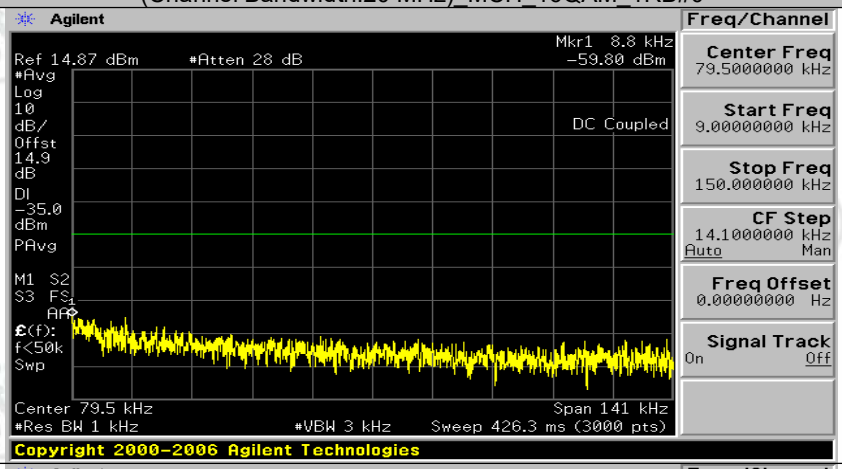
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

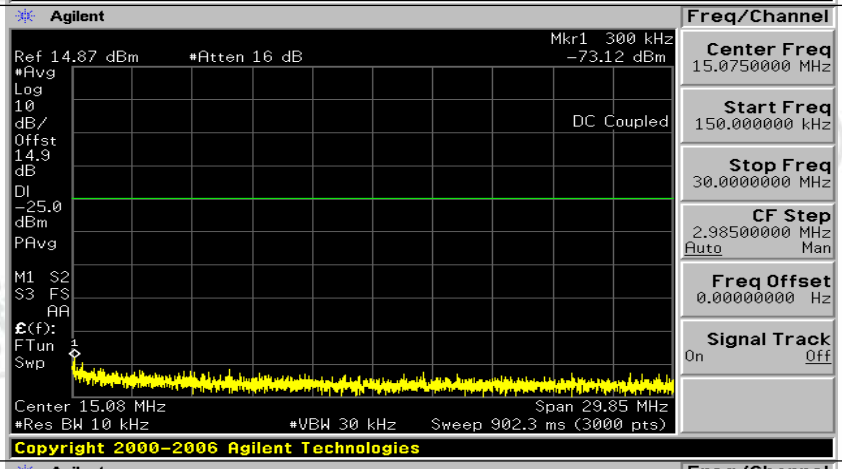


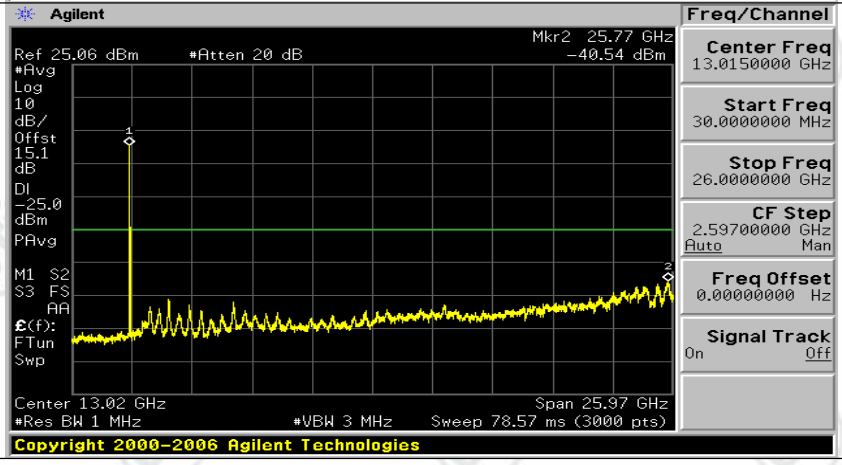
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99



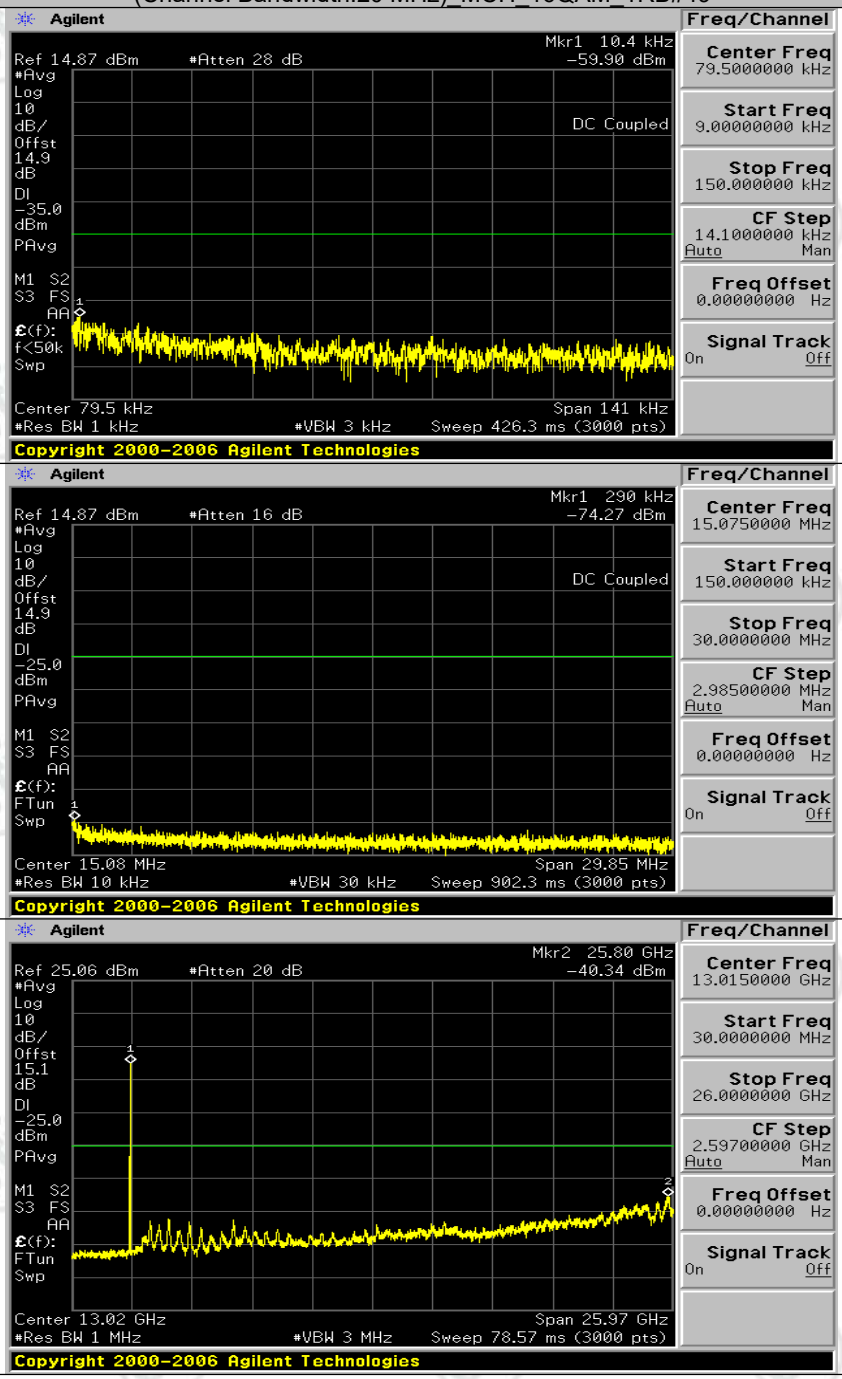
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



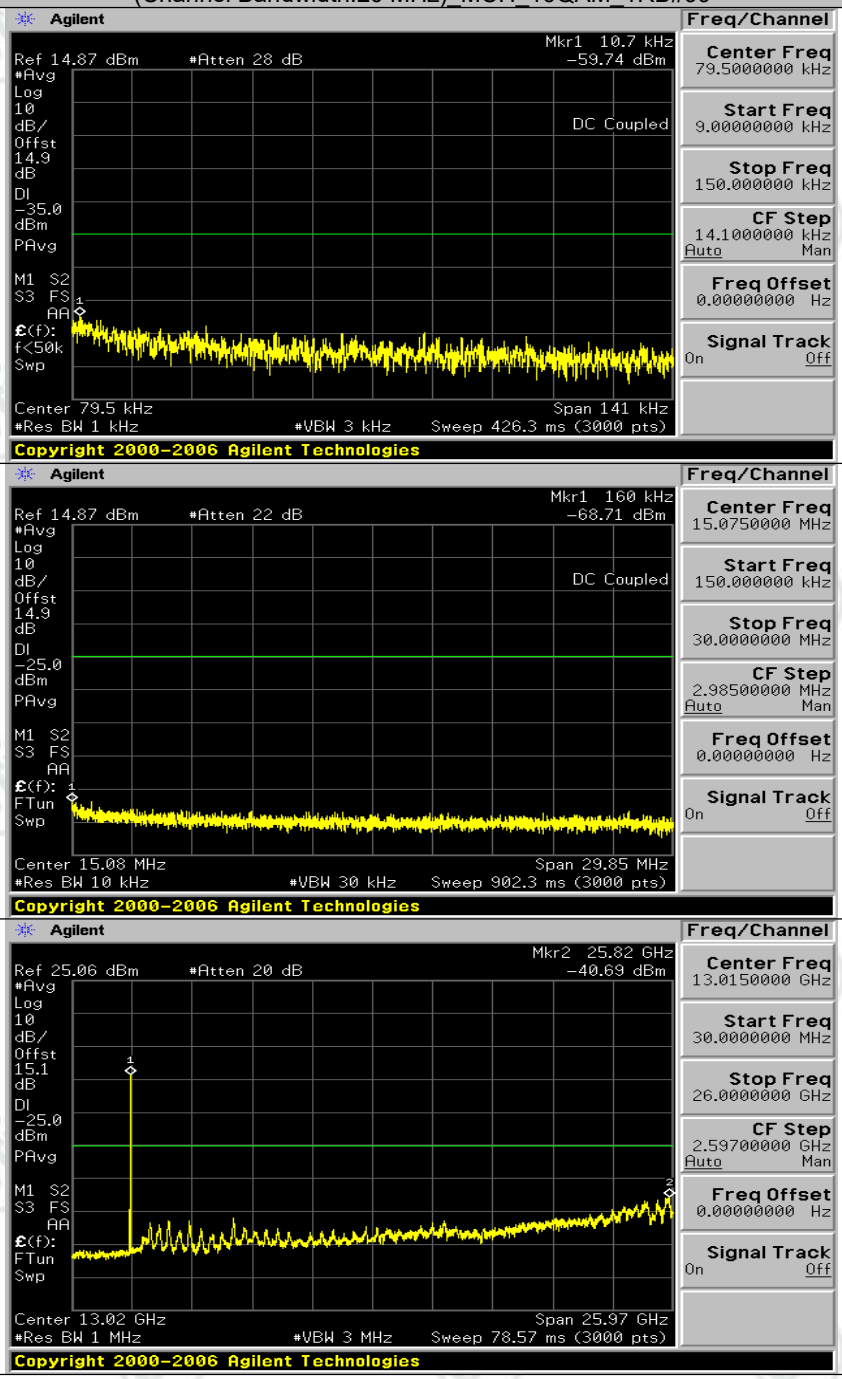




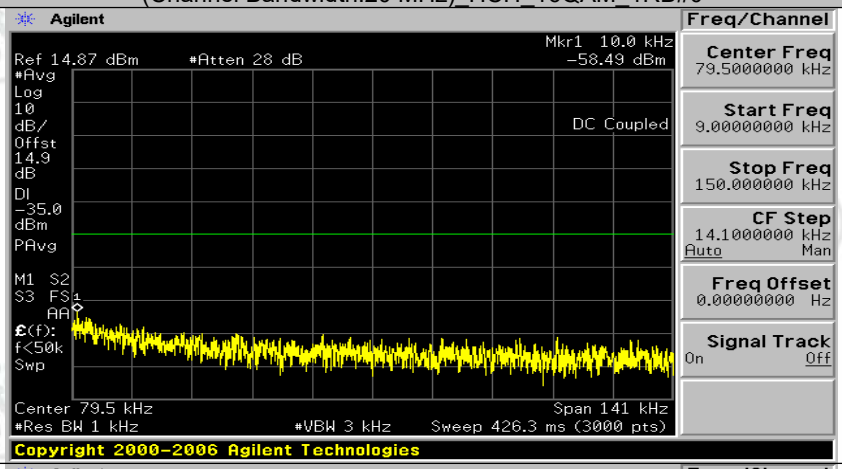
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

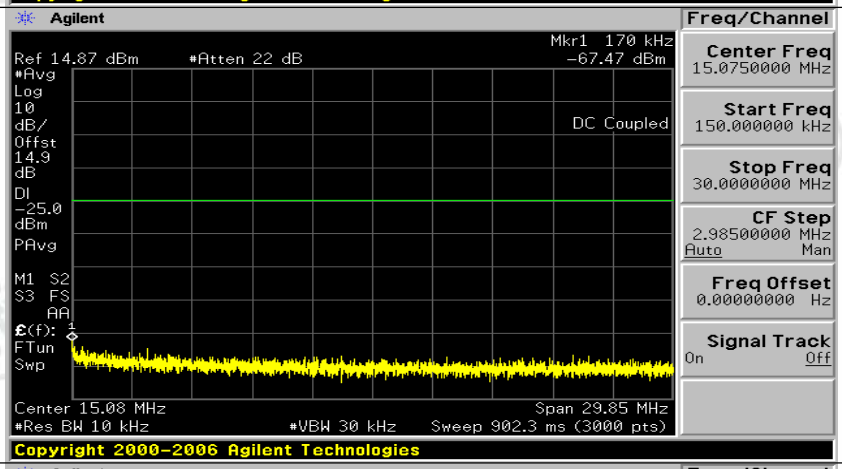


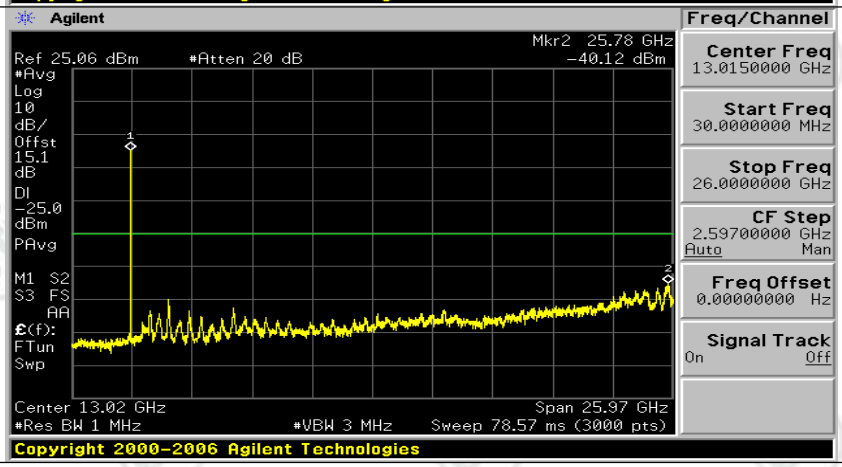
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99



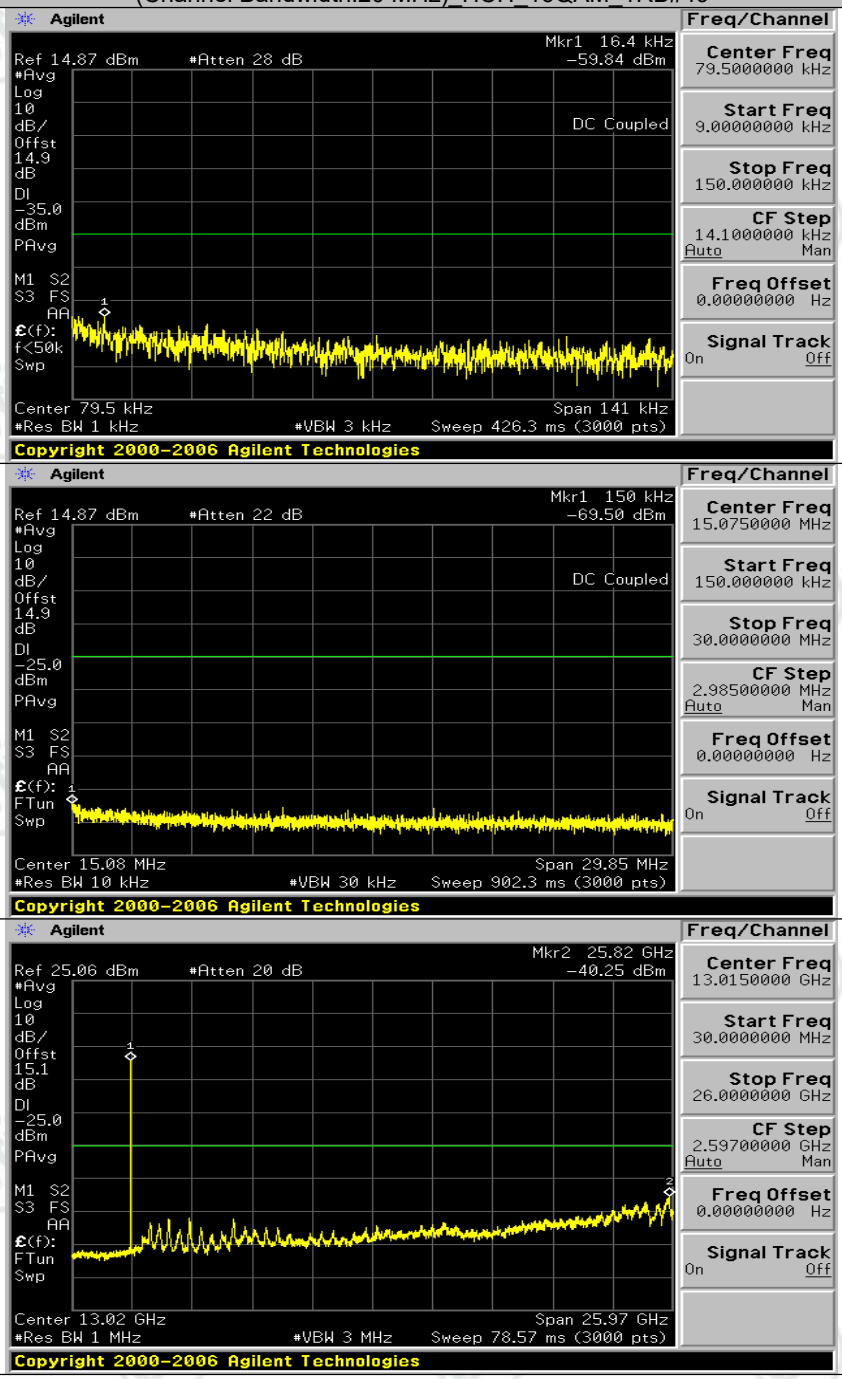
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



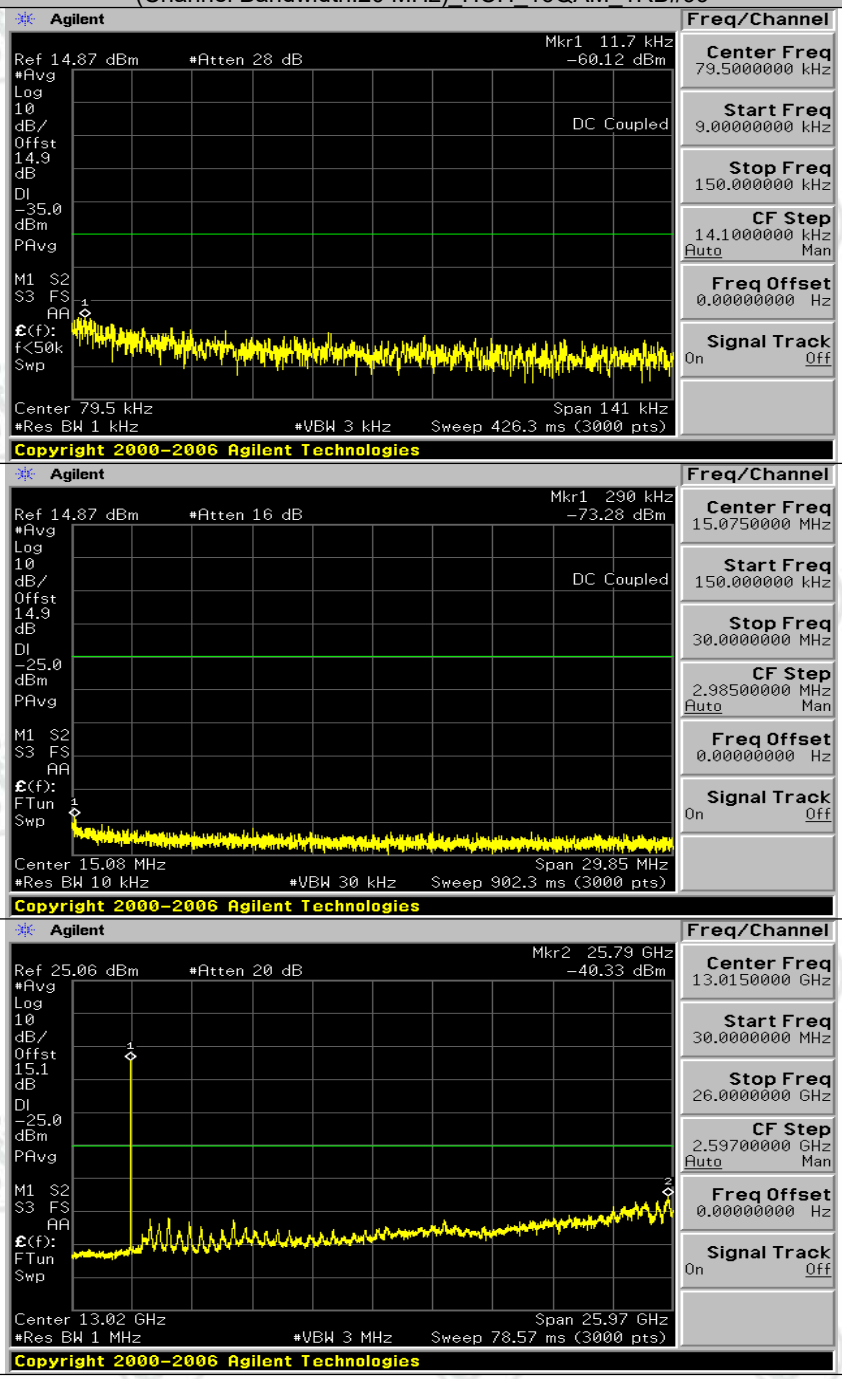




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



(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	33.22	0.013273	± 2.5	PASS
		VN	TN	46.92	0.018750	± 2.5	PASS
		VH	TN	24.60	0.009832	± 2.5	PASS
	MCH	VL	TN	34.19	0.013487	± 2.5	PASS
		VN	TN	32.29	0.012736	± 2.5	PASS
		VH	TN	34.49	0.013605	± 2.5	PASS
	HCH	VL	TN	41.07	0.015996	± 2.5	PASS
		VN	TN	29.77	0.011595	± 2.5	PASS
		VH	TN	43.86	0.017083	± 2.5	PASS
16QAM	LCH	VL	TN	1.39	0.000554	± 2.5	PASS
		VN	TN	51.46	0.020562	± 2.5	PASS
		VH	TN	31.19	0.012462	± 2.5	PASS
	MCH	VL	TN	30.40	0.011991	± 2.5	PASS
		VN	TN	30.78	0.012144	± 2.5	PASS
		VH	TN	38.39	0.015146	± 2.5	PASS
	HCH	VL	TN	32.16	0.012525	± 2.5	PASS
		VN	TN	25.59	0.009968	± 2.5	PASS
		VH	TN	9.07	0.003532	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	40.40	0.016143	± 2.5	PASS
		VN	-20	33.19	0.013262	± 2.5	PASS
		VN	-10	38.29	0.015303	± 2.5	PASS
		VN	0	45.62	0.018229	± 2.5	PASS
		VN	10	41.80	0.016703	± 2.5	PASS
		VN	20	32.17	0.012856	± 2.5	PASS
		VN	30	44.78	0.017892	± 2.5	PASS
		VN	40	25.82	0.010318	± 2.5	PASS
		VN	50	38.22	0.015274	± 2.5	PASS
	MCH	VN	-30	25.71	0.010141	± 2.5	PASS
		VN	-20	32.93	0.012990	± 2.5	PASS
		VN	-10	34.15	0.013470	± 2.5	PASS
		VN	0	36.71	0.014480	± 2.5	PASS
		VN	10	39.68	0.015654	± 2.5	PASS
		VN	20	16.57	0.006535	± 2.5	PASS
		VN	30	36.86	0.014542	± 2.5	PASS
		VN	40	30.63	0.012082	± 2.5	PASS
		VN	50	26.69	0.010530	± 2.5	PASS
	HCH	VN	-30	28.24	0.010998	± 2.5	PASS
		VN	-20	13.96	0.005438	± 2.5	PASS
		VN	-10	-25.38	-0.009884	± 2.5	PASS
		VN	0	28.84	0.011232	± 2.5	PASS

		VN	10	32.03	0.012475	± 2.5	PASS
		VN	20	33.42	0.013015	± 2.5	PASS
		VN	30	29.61	0.011533	± 2.5	PASS
		VN	40	47.69	0.018576	± 2.5	PASS
		VN	50	-47.16	-0.018370	± 2.5	PASS
	LCH	VN	-30	38.02	0.015194	± 2.5	PASS
		VN	-20	0.41	0.000166	± 2.5	PASS
		VN	-10	-27.32	-0.010918	± 2.5	PASS
		VN	0	27.45	0.010970	± 2.5	PASS
		VN	10	30.10	0.012027	± 2.5	PASS
		VN	20	40.48	0.016177	± 2.5	PASS
		VN	30	47.35	0.018921	± 2.5	PASS
		VN	40	38.75	0.015486	± 2.5	PASS
		VN	50	38.44	0.015360	± 2.5	PASS
	MCH	VN	-30	-19.83	-0.007821	± 2.5	PASS
		VN	-20	40.60	0.016015	± 2.5	PASS
		VN	-10	33.37	0.013165	± 2.5	PASS
		VN	0	49.55	0.019548	± 2.5	PASS
16QAM		VN	10	16.64	0.006563	± 2.5	PASS
		VN	20	32.64	0.012877	± 2.5	PASS
		VN	30	17.90	0.007059	± 2.5	PASS
		VN	40	8.00	0.003154	± 2.5	PASS
		VN	50	-51.03	-0.020129	± 2.5	PASS
	HCH	VN	-30	20.08	0.007823	± 2.5	PASS
		VN	-20	60.04	0.023384	± 2.5	PASS
		VN	-10	36.99	0.014408	± 2.5	PASS
		VN	0	26.22	0.010213	± 2.5	PASS
		VN	10	31.54	0.012285	± 2.5	PASS
		VN	20	26.59	0.010358	± 2.5	PASS
		VN	30	14.55	0.005666	± 2.5	PASS
		VN	40	17.87	0.006959	± 2.5	PASS
		VN	50	18.68	0.007277	± 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	35.23	0.014065	± 2.5	PASS
		VN	TN	44.73	0.017857	± 2.5	PASS
		VH	TN	44.05	0.017583	± 2.5	PASS
	MCH	VL	TN	19.53	0.007703	± 2.5	PASS
		VN	TN	47.14	0.018594	± 2.5	PASS
		VH	TN	28.84	0.011376	± 2.5	PASS
	HCH	VL	TN	41.08	0.016017	± 2.5	PASS
		VN	TN	35.10	0.013686	± 2.5	PASS
		VH	TN	29.77	0.011606	± 2.5	PASS
16QAM	LCH	VL	TN	40.74	0.016264	± 2.5	PASS
		VN	TN	36.91	0.014733	± 2.5	PASS
		VH	TN	33.79	0.013488	± 2.5	PASS
	MCH	VL	TN	40.61	0.016021	± 2.5	PASS

		VN	TN	34.19	0.013487	± 2.5	PASS
		VH	TN	37.69	0.014869	± 2.5	PASS
	HCH	VL	TN	18.25	0.007116	± 2.5	PASS
		VN	TN	46.31	0.018053	± 2.5	PASS
		VH	TN	33.26	0.012967	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	40.45	0.016150	± 2.5	PASS
		VN	-20	32.92	0.013140	± 2.5	PASS
		VN	-10	39.27	0.015676	± 2.5	PASS
		VN	0	34.75	0.013871	± 2.5	PASS
		VN	10	35.10	0.014014	± 2.5	PASS
		VN	20	37.45	0.014950	± 2.5	PASS
		VN	30	50.04	0.019976	± 2.5	PASS
		VN	40	43.59	0.017400	± 2.5	PASS
		VN	50	34.26	0.013677	± 2.5	PASS
	MCH	VN	-30	33.43	0.013188	± 2.5	PASS
		VN	-20	35.36	0.013950	± 2.5	PASS
		VN	-10	29.24	0.011534	± 2.5	PASS
		VN	0	36.74	0.014491	± 2.5	PASS
		VN	10	34.93	0.013780	± 2.5	PASS
		VN	20	33.19	0.013092	± 2.5	PASS
		VN	30	33.79	0.013329	± 2.5	PASS
		VN	40	29.21	0.011523	± 2.5	PASS
		VN	50	31.36	0.012370	± 2.5	PASS
	HCH	VN	-30	35.55	0.013859	± 2.5	PASS
		VN	-20	37.98	0.014807	± 2.5	PASS
		VN	-10	35.88	0.013987	± 2.5	PASS
		VN	0	41.36	0.016123	± 2.5	PASS
		VN	10	23.40	0.009124	± 2.5	PASS
		VN	20	39.04	0.015220	± 2.5	PASS
		VN	30	29.34	0.011439	± 2.5	PASS
		VN	40	37.55	0.014640	± 2.5	PASS
		VN	50	29.54	0.011517	± 2.5	PASS
QPSK	LCH	VN	-30	43.42	0.017332	± 2.5	PASS
		VN	-20	39.14	0.015624	± 2.5	PASS
		VN	-10	39.00	0.015567	± 2.5	PASS
		VN	0	-13.55	-0.005408	± 2.5	PASS
		VN	10	55.05	0.021974	± 2.5	PASS
		VN	20	52.07	0.020787	± 2.5	PASS
		VN	30	46.95	0.018742	± 2.5	PASS
		VN	40	41.97	0.016755	± 2.5	PASS
		VN	50	37.78	0.015082	± 2.5	PASS
	MCH	VN	-30	34.50	0.013611	± 2.5	PASS
		VN	-20	42.07	0.016596	± 2.5	PASS
		VN	-10	29.61	0.011681	± 2.5	PASS
		VN	0	34.48	0.013600	± 2.5	PASS
		VN	10	33.27	0.013126	± 2.5	PASS
		VN	20	44.15	0.017414	± 2.5	PASS
		VN	30	-13.32	-0.005254	± 2.5	PASS

		VN	40	-22.77	-0.008984	± 2.5	PASS
		VN	50	25.66	0.010124	± 2.5	PASS
	HCH	VN	-30	33.42	0.013028	± 2.5	PASS
		VN	-20	34.75	0.013547	± 2.5	PASS
		VN	-10	34.43	0.013424	± 2.5	PASS
		VN	0	23.42	0.009130	± 2.5	PASS
		VN	10	26.45	0.010312	± 2.5	PASS
		VN	20	30.24	0.011790	± 2.5	PASS
		VN	30	31.60	0.012320	± 2.5	PASS
		VN	40	25.63	0.009994	± 2.5	PASS
		VN	50	32.57	0.012699	± 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	36.58	0.014588	± 2.5	PASS
		VN	TN	32.50	0.012962	± 2.5	PASS
		VH	TN	54.29	0.021650	± 2.5	PASS
	MCH	VL	TN	-43.40	-0.017121	± 2.5	PASS
		VN	TN	-49.38	-0.019480	± 2.5	PASS
		VH	TN	-26.68	-0.010524	± 2.5	PASS
	HCH	VL	TN	14.10	0.005504	± 2.5	PASS
		VN	TN	-31.60	-0.012332	± 2.5	PASS
		VH	TN	-16.08	-0.006275	± 2.5	PASS
16QAM	LCH	VL	TN	33.70	0.013441	± 2.5	PASS
		VN	TN	43.36	0.017292	± 2.5	PASS
		VH	TN	-26.75	-0.010668	± 2.5	PASS
	MCH	VL	TN	15.11	0.005959	± 2.5	PASS
		VN	TN	-17.55	-0.006924	± 2.5	PASS
		VH	TN	28.15	0.011106	± 2.5	PASS
	HCH	VL	TN	32.01	0.012494	± 2.5	PASS
		VN	TN	5.26	0.002054	± 2.5	PASS
		VH	TN	41.91	0.016357	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	42.77	0.017058	± 2.5	PASS
		VN	-20	15.09	0.006019	± 2.5	PASS
		VN	-10	28.80	0.011484	± 2.5	PASS
		VN	0	43.64	0.017406	± 2.5	PASS
		VN	10	31.89	0.012716	± 2.5	PASS
		VN	20	32.33	0.012893	± 2.5	PASS
		VN	30	35.73	0.014251	± 2.5	PASS
		VN	40	35.79	0.014274	± 2.5	PASS
		VN	50	40.01	0.015957	± 2.5	PASS
	MCH	VN	-30	-24.39	-0.009621	± 2.5	PASS
		VN	-20	-35.16	-0.013871	± 2.5	PASS
		VN	-10	-41.44	-0.016348	± 2.5	PASS
		VN	0	-19.18	-0.007567	± 2.5	PASS

		VN	10	-9.04	-0.003566	± 2.5	PASS
		VN	20	-32.01	-0.012629	± 2.5	PASS
		VN	30	-28.74	-0.011337	± 2.5	PASS
		VN	40	-13.53	-0.005338	± 2.5	PASS
		VN	50	-23.30	-0.009193	± 2.5	PASS
	HCH	VN	-30	-33.67	-0.013141	± 2.5	PASS
		VN	-20	-11.36	-0.004432	± 2.5	PASS
		VN	-10	-32.59	-0.012717	± 2.5	PASS
		VN	0	-12.32	-0.004807	± 2.5	PASS
		VN	10	15.55	0.006068	± 2.5	PASS
		VN	20	21.43	0.008363	± 2.5	PASS
		VN	30	12.12	0.004728	± 2.5	PASS
		VN	40	1.07	0.000419	± 2.5	PASS
		VN	50	-16.42	-0.006409	± 2.5	PASS
16QAM	LCH	VN	-30	48.04	0.019157	± 2.5	PASS
		VN	-20	48.22	0.019231	± 2.5	PASS
		VN	-10	36.55	0.014576	± 2.5	PASS
		VN	0	40.98	0.016345	± 2.5	PASS
		VN	10	32.60	0.013002	± 2.5	PASS
		VN	20	16.74	0.006675	± 2.5	PASS
		VN	30	44.07	0.017577	± 2.5	PASS
		VN	40	31.73	0.012654	± 2.5	PASS
		VN	50	32.33	0.012893	± 2.5	PASS
	MCH	VN	-30	11.90	0.004695	± 2.5	PASS
		VN	-20	10.30	0.004063	± 2.5	PASS
		VN	-10	18.37	0.007246	± 2.5	PASS
		VN	0	-1.75	-0.000688	± 2.5	PASS
		VN	10	17.94	0.007076	± 2.5	PASS
		VN	20	43.13	0.017014	± 2.5	PASS
		VN	30	3.62	0.001428	± 2.5	PASS
		VN	40	46.02	0.018154	± 2.5	PASS
		VN	50	50.35	0.019864	± 2.5	PASS
	HCH	VN	-30	2.82	0.001100	± 2.5	PASS
		VN	-20	18.21	0.007107	± 2.5	PASS
		VN	-10	30.80	0.012019	± 2.5	PASS
		VN	0	21.09	0.008229	± 2.5	PASS
		VN	10	39.65	0.015475	± 2.5	PASS
		VN	20	10.70	0.004176	± 2.5	PASS
		VN	30	30.08	0.011740	± 2.5	PASS
		VN	40	2.22	0.000865	± 2.5	PASS
		VN	50	5.09	0.001987	± 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	-40.38	-0.016089	± 2.5	PASS
		VN	TN	-22.73	-0.009056	± 2.5	PASS
		VH	TN	-46.16	-0.018391	± 2.5	PASS
	MCH	VL	TN	7.44	0.002934	± 2.5	PASS

		VN	TN	-18.07	-0.007127	± 2.5	PASS
		VH	TN	33.32	0.013143	± 2.5	PASS
	HCH	VL	TN	-22.53	-0.008801	± 2.5	PASS
		VN	TN	-24.62	-0.009617	± 2.5	PASS
		VH	TN	-24.18	-0.009444	± 2.5	PASS
16QAM	LCH	VL	TN	-10.50	-0.004183	± 2.5	PASS
		VN	TN	-14.73	-0.005870	± 2.5	PASS
		VH	TN	4.65	0.001852	± 2.5	PASS
	MCH	VL	TN	13.40	0.005288	± 2.5	PASS
		VN	TN	31.00	0.012228	± 2.5	PASS
		VH	TN	37.78	0.014903	± 2.5	PASS
	HCH	VL	TN	4.66	0.001822	± 2.5	PASS
		VN	TN	30.06	0.011740	± 2.5	PASS
		VH	TN	29.18	0.011399	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-26.39	-0.010515	± 2.5	PASS
		VN	-20	-27.24	-0.010851	± 2.5	PASS
		VN	-10	-10.21	-0.004069	± 2.5	PASS
		VN	0	-22.90	-0.009124	± 2.5	PASS
		VN	10	-27.58	-0.010988	± 2.5	PASS
		VN	20	-29.97	-0.011940	± 2.5	PASS
		VN	30	-41.48	-0.016528	± 2.5	PASS
		VN	40	-16.24	-0.006469	± 2.5	PASS
		VN	50	-17.09	-0.006811	± 2.5	PASS
	MCH	VN	-30	-19.05	-0.007517	± 2.5	PASS
		VN	-20	-17.12	-0.006755	± 2.5	PASS
		VN	-10	-11.77	-0.004644	± 2.5	PASS
		VN	0	-1.43	-0.000564	± 2.5	PASS
		VN	10	0.20	0.000079	± 2.5	PASS
		VN	20	0.67	0.000265	± 2.5	PASS
		VN	30	8.74	0.003448	± 2.5	PASS
		VN	40	21.79	0.008594	± 2.5	PASS
		VN	50	28.27	0.011151	± 2.5	PASS
	HCH	VN	-30	-3.82	-0.001492	± 2.5	PASS
		VN	-20	-40.07	-0.015652	± 2.5	PASS
		VN	-10	-14.82	-0.005789	± 2.5	PASS
		VN	0	-30.50	-0.011913	± 2.5	PASS
		VN	10	-14.79	-0.005778	± 2.5	PASS
		VN	20	-37.57	-0.014674	± 2.5	PASS
		VN	30	-0.23	-0.000089	± 2.5	PASS
		VN	40	-0.49	-0.000190	± 2.5	PASS
		VN	50	-4.21	-0.001643	± 2.5	PASS
16QAM	LCH	VN	-30	6.51	0.002593	± 2.5	PASS
		VN	-20	19.74	0.007865	± 2.5	PASS
		VN	-10	19.10	0.007608	± 2.5	PASS
		VN	0	23.66	0.009427	± 2.5	PASS
		VN	10	32.54	0.012966	± 2.5	PASS
		VN	20	31.14	0.012407	± 2.5	PASS
		VN	30	-10.81	-0.004309	± 2.5	PASS

		VN	40	-12.59	-0.005015	± 2.5	PASS
		VN	50	-16.99	-0.006771	± 2.5	PASS
	MCH	VN	-30	4.03	0.001591	± 2.5	PASS
		VN	-20	12.60	0.004972	± 2.5	PASS
		VN	-10	33.65	0.013272	± 2.5	PASS
		VN	0	21.57	0.008510	± 2.5	PASS
		VN	10	23.13	0.009125	± 2.5	PASS
		VN	20	6.54	0.002579	± 2.5	PASS
		VN	30	27.54	0.010863	± 2.5	PASS
		VN	40	13.07	0.005158	± 2.5	PASS
		VN	50	41.18	0.016246	± 2.5	PASS
	HCH	VN	-30	20.80	0.008125	± 2.5	PASS
		VN	-20	39.78	0.015540	± 2.5	PASS
		VN	-10	24.70	0.009650	± 2.5	PASS
		VN	0	38.58	0.015071	± 2.5	PASS
		VN	10	18.42	0.007197	± 2.5	PASS
		VN	20	32.50	0.012696	± 2.5	PASS
		VN	30	-3.50	-0.001369	± 2.5	PASS
		VN	40	-8.40	-0.003280	± 2.5	PASS
		VN	50	-7.57	-0.002956	± 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:	7	Channel:	20775
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.0340	150	16	-68.45	-13.00	55.45	Pass	Horizontal
2	161.1702	150	171	-63.31	-13.00	50.31	Pass	Horizontal
3	322.6105	150	149	-66.50	-13.00	53.50	Pass	Horizontal
4	398.2857	150	125	-61.99	-13.00	48.99	Pass	Horizontal
5	477.2595	150	125	-53.47	-13.00	40.47	Pass	Horizontal
6	597.3695	150	324	-62.54	-13.00	49.54	Pass	Horizontal
7	1263.8264	150	16	-48.80	-13.00	35.80	Pass	Horizontal
8	3766.5383	150	1	-47.20	-13.00	34.20	Pass	Horizontal
9	5005.0000	150	265	-50.16	-13.00	37.16	Pass	Horizontal
10	7507.5000	150	359	-46.81	-13.00	33.81	Pass	Horizontal
11	10010.0000	150	342	-42.80	-13.00	29.80	Pass	Horizontal
12	14876.0938	150	265	-34.17	-13.00	21.17	Pass	Horizontal

Mode:	LTE Traffic		
Band:	7	Channel:	20775
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.8668	150	1	-67.08	-13.00	54.08	Pass	Vertical
2	199.7840	150	137	-65.67	-13.00	52.67	Pass	Vertical
3	290.4001	150	21	-72.56	-13.00	59.56	Pass	Vertical
4	480.9462	150	10	-65.71	-13.00	52.71	Pass	Vertical
5	598.9218	150	312	-63.98	-13.00	50.98	Pass	Vertical
6	724.2709	150	231	-67.52	-13.00	54.52	Pass	Vertical
7	1196.6197	150	290	-45.97	-13.00	32.97	Pass	Vertical
8	3637.5319	150	326	-46.73	-13.00	33.73	Pass	Vertical
9	5005.0000	150	305	-49.42	-13.00	36.42	Pass	Vertical
10	7507.5000	150	172	-46.70	-13.00	33.70	Pass	Vertical
11	10010.0000	150	172	-43.09	-13.00	30.09	Pass	Vertical
12	15292.3646	150	18	-35.36	-13.00	22.36	Pass	Vertical

Mode:	LTE Traffic							
Band:	7		Channel:		20800			
Remark:	10M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	175	-70.68	-13.00	57.68	Pass	Horizontal
2	161.1702	150	1	-63.94	-13.00	50.94	Pass	Horizontal
3	199.3959	150	234	-64.89	-13.00	51.89	Pass	Horizontal
4	419.6299	150	24	-64.33	-13.00	51.33	Pass	Horizontal
5	597.5635	150	328	-63.26	-13.00	50.26	Pass	Horizontal
6	717.2855	150	152	-66.72	-13.00	53.72	Pass	Horizontal
7	1395.0395	150	360	-48.63	-13.00	35.63	Pass	Horizontal
8	3949.5475	150	134	-47.33	-13.00	34.33	Pass	Horizontal
9	5010.0000	150	113	-48.94	-13.00	35.94	Pass	Horizontal
10	7515.0000	150	1	-47.11	-13.00	34.11	Pass	Horizontal
11	10020.0000	150	342	-43.74	-13.00	30.74	Pass	Horizontal
12	14735.0868	150	151	-34.94	-13.00	21.94	Pass	Horizontal

Mode:	LTE Traffic							
Band:	7		Channel:		20800			
Remark:	10M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.8370	150	105	-66.75	-13.00	53.75	Pass	Vertical
2	161.7524	150	328	-70.28	-13.00	57.28	Pass	Vertical
3	199.3959	150	118	-68.13	-13.00	55.13	Pass	Vertical
4	399.0618	150	245	-66.65	-13.00	53.65	Pass	Vertical
5	597.3695	150	315	-62.70	-13.00	49.70	Pass	Vertical
6	730.2861	150	129	-64.42	-13.00	51.42	Pass	Vertical
7	1388.8389	150	152	-49.29	-13.00	36.29	Pass	Vertical
8	5010.0000	150	35	-51.09	-13.00	38.09	Pass	Vertical
9	7515.0000	150	286	-47.97	-13.00	34.97	Pass	Vertical
10	10020.0000	150	325	-42.97	-13.00	29.97	Pass	Vertical
11	11461.1731	150	189	-39.54	-13.00	26.54	Pass	Vertical
12	15284.1142	150	0	-35.63	-13.00	22.63	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	20825				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	141	-71.12	-13.00	58.12	Pass	Horizontal
2	155.5431	150	1	-63.62	-13.00	50.62	Pass	Horizontal
3	199.3959	150	247	-67.00	-13.00	54.00	Pass	Horizontal
4	399.0618	150	360	-66.15	-13.00	53.15	Pass	Horizontal
5	597.5635	150	35	-66.51	-13.00	53.51	Pass	Horizontal
6	718.8378	150	165	-66.71	-13.00	53.71	Pass	Horizontal
7	1313.8314	150	200	-48.54	-13.00	35.54	Pass	Horizontal
8	3706.5353	150	342	-47.57	-13.00	34.57	Pass	Horizontal
9	5015.0000	150	303	-50.62	-13.00	37.62	Pass	Horizontal
10	7522.5000	150	130	-47.84	-13.00	34.84	Pass	Horizontal
11	10030.0000	150	91	-43.65	-13.00	30.65	Pass	Horizontal
12	14813.0907	150	91	-35.83	-13.00	22.83	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	20825				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.2847	150	105	-67.52	-13.00	54.52	Pass	Vertical
2	161.3643	150	352	-70.43	-13.00	57.43	Pass	Vertical
3	399.8380	150	341	-66.85	-13.00	53.85	Pass	Vertical
4	598.3397	150	352	-64.80	-13.00	51.80	Pass	Vertical
5	724.6589	150	165	-64.59	-13.00	51.59	Pass	Vertical
6	796.6473	150	105	-65.67	-13.00	52.67	Pass	Vertical
7	1197.4197	150	317	-46.42	-13.00	33.42	Pass	Vertical
8	3571.5286	150	286	-47.62	-13.00	34.62	Pass	Vertical
9	5015.0000	150	51	-49.54	-13.00	36.54	Pass	Vertical
10	7522.5000	150	342	-48.03	-13.00	35.03	Pass	Vertical
11	10030.0000	150	226	-43.84	-13.00	30.84	Pass	Vertical
12	15104.1052	150	264	-36.13	-13.00	23.13	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	20850				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	196	-71.46	-13.00	58.46	Pass	Horizontal
2	161.3643	150	25	-64.49	-13.00	51.49	Pass	Horizontal
3	290.0120	150	146	-68.18	-13.00	55.18	Pass	Horizontal
4	398.8678	150	360	-63.44	-13.00	50.44	Pass	Horizontal
5	479.7820	150	134	-64.58	-13.00	51.58	Pass	Horizontal
6	598.1456	150	306	-62.88	-13.00	49.88	Pass	Horizontal
7	1395.6396	150	360	-48.10	-13.00	35.10	Pass	Horizontal
8	3542.2771	150	54	-48.06	-13.00	35.06	Pass	Horizontal
9	5020.0000	150	32	-48.61	-13.00	35.61	Pass	Horizontal
10	7530.0000	150	54	-47.97	-13.00	34.97	Pass	Horizontal
11	10040.0000	150	324	-44.19	-13.00	31.19	Pass	Horizontal
12	14814.5907	150	209	-36.14	-13.00	23.14	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	20850				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.7025	150	1	-68.78	-13.00	55.78	Pass	Vertical
2	161.1702	150	121	-71.87	-13.00	58.87	Pass	Vertical
3	199.7840	150	192	-63.07	-13.00	50.07	Pass	Vertical
4	398.2857	150	348	-69.30	-13.00	56.30	Pass	Vertical
5	599.6979	150	312	-66.07	-13.00	53.07	Pass	Vertical
6	729.8980	150	132	-65.55	-13.00	52.55	Pass	Vertical
7	1310.8311	150	312	-48.53	-13.00	35.53	Pass	Vertical
8	3192.7596	150	324	-46.63	-13.00	33.63	Pass	Vertical
9	5020.0000	150	65	-50.13	-13.00	37.13	Pass	Vertical
10	7530.0000	150	65	-46.70	-13.00	33.70	Pass	Vertical
11	10040.0000	150	303	-44.08	-13.00	31.08	Pass	Vertical
12	14876.8438	150	87	-36.54	-13.00	23.54	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	15	-71.35	-13.00	58.35	Pass	Horizontal
2	161.1702	150	4	-64.63	-13.00	51.63	Pass	Horizontal
3	290.4001	150	124	-67.45	-13.00	54.45	Pass	Horizontal
4	398.6737	150	0	-65.68	-13.00	52.68	Pass	Horizontal
5	598.9218	150	308	-64.92	-13.00	51.92	Pass	Horizontal
6	719.4199	150	137	-65.26	-13.00	52.26	Pass	Horizontal
7	1394.8395	150	0	-49.37	-13.00	36.37	Pass	Horizontal
8	3673.5337	150	288	-47.18	-13.00	34.18	Pass	Horizontal
9	5070.0000	150	133	-50.13	-13.00	37.13	Pass	Horizontal
10	7605.0000	150	360	-48.14	-13.00	35.14	Pass	Horizontal
11	10140.0000	150	133	-42.81	-13.00	29.81	Pass	Horizontal
12	14720.8360	150	133	-36.20	-13.00	23.20	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.6429	150	0	-68.51	-13.00	55.51	Pass	Vertical
2	199.2018	150	144	-62.03	-13.00	49.03	Pass	Vertical
3	290.0120	150	180	-70.09	-13.00	57.09	Pass	Vertical
4	399.0618	150	239	-71.23	-13.00	58.23	Pass	Vertical
5	598.1456	150	264	-67.58	-13.00	54.58	Pass	Vertical
6	799.5579	150	82	-65.85	-13.00	52.85	Pass	Vertical
7	1199.0199	150	300	-44.82	-13.00	31.82	Pass	Vertical
8	3506.2753	150	268	-47.30	-13.00	34.30	Pass	Vertical
9	5070.0000	150	289	-50.48	-13.00	37.48	Pass	Vertical
10	7605.0000	150	268	-48.35	-13.00	35.35	Pass	Vertical
11	10140.0000	150	96	-43.07	-13.00	30.07	Pass	Vertical
12	15344.8672	150	268	-36.25	-13.00	23.25	Pass	Vertical

Mode:	LTE Traffic							
Band:	7		Channel:		21100			
Remark:	10M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	137	-70.17	-13.00	57.17	Pass	Horizontal
2	199.7840	150	359	-62.73	-13.00	49.73	Pass	Horizontal
3	355.0150	150	115	-67.04	-13.00	54.04	Pass	Horizontal
4	599.6979	150	32	-65.82	-13.00	52.82	Pass	Horizontal
5	730.0920	150	196	-66.46	-13.00	53.46	Pass	Horizontal
6	798.5877	150	80	-66.54	-13.00	53.54	Pass	Horizontal
7	1199.4199	150	277	-49.40	-13.00	36.40	Pass	Horizontal
8	3651.7826	150	209	-47.08	-13.00	34.08	Pass	Horizontal
9	5070.0000	150	247	-49.74	-13.00	36.74	Pass	Horizontal
10	7605.0000	150	94	-48.25	-13.00	35.25	Pass	Horizontal
11	10140.0000	150	170	-43.24	-13.00	30.24	Pass	Horizontal
12	14870.0935	150	150	-36.03	-13.00	23.03	Pass	Horizontal

Mode:	LTE Traffic							
Band:	7		Channel:		21100			
Remark:	10M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.4489	150	172	-67.83	-13.00	54.83	Pass	Vertical
2	184.2609	150	348	-69.34	-13.00	56.34	Pass	Vertical
3	200.1720	150	126	-69.63	-13.00	56.63	Pass	Vertical
4	290.2060	150	185	-69.88	-13.00	56.88	Pass	Vertical
5	597.3695	150	56	-69.06	-13.00	56.06	Pass	Vertical
6	720.3901	150	137	-65.58	-13.00	52.58	Pass	Vertical
7	1199.2199	150	301	-45.85	-13.00	32.85	Pass	Vertical
8	3192.7596	150	340	-46.01	-13.00	33.01	Pass	Vertical
9	5070.0000	150	208	-50.13	-13.00	37.13	Pass	Vertical
10	7605.0000	150	18	-47.91	-13.00	34.91	Pass	Vertical
11	10140.0000	150	56	-42.86	-13.00	29.86	Pass	Vertical
12	14894.0947	150	188	-35.62	-13.00	22.62	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	150	-69.36	-13.00	56.36	Pass	Horizontal
2	177.6635	150	21	-65.68	-13.00	52.68	Pass	Horizontal
3	399.6439	150	1	-61.44	-13.00	48.44	Pass	Horizontal
4	479.1998	150	126	-69.52	-13.00	56.52	Pass	Horizontal
5	597.7576	150	80	-64.14	-13.00	51.14	Pass	Horizontal
6	718.6437	150	21	-67.03	-13.00	54.03	Pass	Horizontal
7	1296.8297	150	196	-48.76	-13.00	35.76	Pass	Horizontal
8	3623.2812	150	150	-47.79	-13.00	34.79	Pass	Horizontal
9	5070.0000	150	112	-49.75	-13.00	36.75	Pass	Horizontal
10	7605.0000	150	208	-47.25	-13.00	34.25	Pass	Horizontal
11	10140.0000	150	264	-42.79	-13.00	29.79	Pass	Horizontal
12	15160.3580	150	359	-35.84	-13.00	22.84	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.4489	150	290	-67.96	-13.00	54.96	Pass	Vertical
2	208.9038	150	208	-68.98	-13.00	55.98	Pass	Vertical
3	290.0120	150	172	-68.54	-13.00	55.54	Pass	Vertical
4	398.4797	150	242	-68.04	-13.00	55.04	Pass	Vertical
5	598.5337	150	255	-69.20	-13.00	56.20	Pass	Vertical
6	719.2258	150	137	-64.82	-13.00	51.82	Pass	Vertical
7	1264.0264	150	150	-49.48	-13.00	36.48	Pass	Vertical
8	3639.0320	150	227	-47.24	-13.00	34.24	Pass	Vertical
9	5070.0000	150	18	-51.05	-13.00	38.05	Pass	Vertical
10	7605.0000	150	56	-47.77	-13.00	34.77	Pass	Vertical
11	10140.0000	150	286	-42.83	-13.00	29.83	Pass	Vertical
12	15275.8638	150	94	-36.11	-13.00	23.11	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	169	-71.33	-13.00	58.33	Pass	Horizontal
2	199.5899	150	348	-62.10	-13.00	49.10	Pass	Horizontal
3	399.8380	150	6	-63.59	-13.00	50.59	Pass	Horizontal
4	480.1700	150	134	-64.50	-13.00	51.50	Pass	Horizontal
5	598.3397	150	0	-67.42	-13.00	54.42	Pass	Horizontal
6	725.2410	150	41	-67.34	-13.00	54.34	Pass	Horizontal
7	1397.2397	150	359	-49.79	-13.00	36.79	Pass	Horizontal
8	3643.5322	150	208	-47.55	-13.00	34.55	Pass	Horizontal
9	5070.0000	150	322	-50.74	-13.00	37.74	Pass	Horizontal
10	7605.0000	150	93	-48.40	-13.00	35.40	Pass	Horizontal
11	10140.0000	150	73	-43.31	-13.00	30.31	Pass	Horizontal
12	14771.8386	150	208	-36.55	-13.00	23.55	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	20	-66.96	-13.00	53.96	Pass	Vertical
2	199.5899	150	165	-67.45	-13.00	54.45	Pass	Vertical
3	290.0120	150	178	-67.64	-13.00	54.64	Pass	Vertical
4	398.6737	150	335	-71.11	-13.00	58.11	Pass	Vertical
5	598.3397	150	335	-68.74	-13.00	55.74	Pass	Vertical
6	715.7331	150	129	-64.21	-13.00	51.21	Pass	Vertical
7	1327.2327	150	347	-49.35	-13.00	36.35	Pass	Vertical
8	3537.7769	150	173	-47.81	-13.00	34.81	Pass	Vertical
9	5070.0000	150	306	-50.97	-13.00	37.97	Pass	Vertical
10	7605.0000	150	229	-47.69	-13.00	34.69	Pass	Vertical
11	10140.0000	150	18	-43.91	-13.00	30.91	Pass	Vertical
12	15277.3639	150	56	-35.45	-13.00	22.45	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21425				
Remark:	5M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	144	-71.40	-13.00	58.40	Pass	Horizontal
2	199.7840	150	348	-63.22	-13.00	50.22	Pass	Horizontal
3	354.8210	150	120	-67.09	-13.00	54.09	Pass	Horizontal
4	399.8380	150	348	-66.08	-13.00	53.08	Pass	Horizontal
5	599.1158	150	336	-62.65	-13.00	49.65	Pass	Horizontal
6	797.8116	150	36	-67.76	-13.00	54.76	Pass	Horizontal
7	1297.0297	150	300	-48.92	-13.00	35.92	Pass	Horizontal
8	3986.2993	150	212	-48.35	-13.00	35.35	Pass	Horizontal
9	5135.0000	150	134	-50.63	-13.00	37.63	Pass	Horizontal
10	7702.5000	150	328	-45.77	-13.00	32.77	Pass	Horizontal
11	10270.0000	150	96	-44.35	-13.00	31.35	Pass	Horizontal
12	14791.3396	150	75	-36.62	-13.00	23.62	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21425				
Remark:	5M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	54.8370	150	141	-68.19	-13.00	55.19	Pass	Vertical
2	139.8260	150	347	-60.96	-13.00	47.96	Pass	Vertical
3	199.0078	150	116	-69.88	-13.00	56.88	Pass	Vertical
4	290.2060	150	164	-69.86	-13.00	56.86	Pass	Vertical
5	600.0860	150	347	-68.07	-13.00	55.07	Pass	Vertical
6	706.4193	150	128	-66.10	-13.00	53.10	Pass	Vertical
7	1394.0394	150	128	-42.81	-13.00	29.81	Pass	Vertical
8	3622.5311	150	74	-47.18	-13.00	34.18	Pass	Vertical
9	5135.0000	150	287	-50.55	-13.00	37.55	Pass	Vertical
10	7702.5000	150	56	-47.49	-13.00	34.49	Pass	Vertical
11	10270.0000	150	133	-44.58	-13.00	31.58	Pass	Vertical
12	15251.8626	150	360	-36.59	-13.00	23.59	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21400				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	162	-70.67	-13.00	57.67	Pass	Horizontal
2	199.5899	150	5	-63.15	-13.00	50.15	Pass	Horizontal
3	354.6269	150	115	-66.68	-13.00	53.68	Pass	Horizontal
4	479.1998	150	115	-69.23	-13.00	56.23	Pass	Horizontal
5	597.5635	150	310	-65.39	-13.00	52.39	Pass	Horizontal
6	799.9460	150	78	-65.10	-13.00	52.10	Pass	Horizontal
7	1233.2233	150	273	-49.40	-13.00	36.40	Pass	Horizontal
8	3639.0320	150	327	-46.85	-13.00	33.85	Pass	Horizontal
9	5130.0000	150	212	-50.13	-13.00	37.13	Pass	Horizontal
10	7695.0000	150	95	-46.72	-13.00	33.72	Pass	Horizontal
11	10260.0000	150	191	-44.47	-13.00	31.47	Pass	Horizontal
12	14766.5883	150	113	-36.48	-13.00	23.48	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21400				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	35	-68.16	-13.00	55.16	Pass	Vertical
2	198.8138	150	180	-68.30	-13.00	55.30	Pass	Vertical
3	290.0120	150	155	-71.61	-13.00	58.61	Pass	Vertical
4	398.4797	150	335	-72.54	-13.00	59.54	Pass	Vertical
5	597.3695	150	251	-66.56	-13.00	53.56	Pass	Vertical
6	799.7520	150	251	-65.78	-13.00	52.78	Pass	Vertical
7	1394.4394	150	131	-45.14	-13.00	32.14	Pass	Vertical
8	3670.5335	150	360	-47.76	-13.00	34.76	Pass	Vertical
9	5130.0000	150	36	-50.65	-13.00	37.65	Pass	Vertical
10	7695.0000	150	360	-46.67	-13.00	33.67	Pass	Vertical
11	10260.0000	150	229	-42.47	-13.00	29.47	Pass	Vertical
12	15286.3643	150	360	-36.64	-13.00	23.64	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21375				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	171	-69.64	-13.00	56.64	Pass	Horizontal
2	161.3643	150	324	-64.37	-13.00	51.37	Pass	Horizontal
3	290.2060	150	155	-66.66	-13.00	53.66	Pass	Horizontal
4	354.6269	150	118	-64.62	-13.00	51.62	Pass	Horizontal
5	598.5337	150	30	-66.93	-13.00	53.93	Pass	Horizontal
6	749.8840	150	42	-64.60	-13.00	51.60	Pass	Horizontal
7	1395.8396	150	0	-49.03	-13.00	36.03	Pass	Horizontal
8	3586.5293	150	236	-46.89	-13.00	33.89	Pass	Horizontal
9	5125.0000	150	314	-50.31	-13.00	37.31	Pass	Horizontal
10	7687.5000	150	57	-47.33	-13.00	34.33	Pass	Horizontal
11	10250.0000	150	156	-44.45	-13.00	31.45	Pass	Horizontal
12	14872.3436	150	354	-36.07	-13.00	23.07	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21375				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.8668	150	44	-68.25	-13.00	55.25	Pass	Vertical
2	169.3199	150	274	-61.77	-13.00	48.77	Pass	Vertical
3	199.5899	150	178	-66.58	-13.00	53.58	Pass	Vertical
4	290.2060	150	189	-68.97	-13.00	55.97	Pass	Vertical
5	598.7277	150	44	-67.98	-13.00	54.98	Pass	Vertical
6	728.1516	150	165	-64.98	-13.00	51.98	Pass	Vertical
7	1328.0328	150	201	-49.25	-13.00	36.25	Pass	Vertical
8	3670.5335	150	233	-47.55	-13.00	34.55	Pass	Vertical
9	5125.0000	150	76	-51.06	-13.00	38.06	Pass	Vertical
10	7687.5000	150	98	-46.40	-13.00	33.40	Pass	Vertical
11	10250.0000	150	233	-44.29	-13.00	31.29	Pass	Vertical
12	15269.8635	150	193	-36.50	-13.00	23.50	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21350				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	141	-71.28	-13.00	58.28	Pass	Horizontal
2	161.1702	150	19	-64.73	-13.00	51.73	Pass	Horizontal
3	290.4001	150	116	-67.36	-13.00	54.36	Pass	Horizontal
4	399.0618	150	359	-63.94	-13.00	50.94	Pass	Horizontal
5	445.2430	150	0	-60.12	-13.00	47.12	Pass	Horizontal
6	598.5337	150	325	-64.12	-13.00	51.12	Pass	Horizontal
7	1081.0081	150	0	-47.60	-13.00	34.60	Pass	Horizontal
8	3194.2597	150	96	-46.96	-13.00	33.96	Pass	Horizontal
9	5120.0000	150	134	-51.13	-13.00	38.13	Pass	Horizontal
10	7680.0000	150	96	-46.53	-13.00	33.53	Pass	Horizontal
11	10240.0000	150	360	-44.26	-13.00	31.26	Pass	Horizontal
12	14747.8374	150	96	-36.06	-13.00	23.06	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21350				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	57	-68.71	-13.00	55.71	Pass	Vertical
2	161.1702	150	348	-69.62	-13.00	56.62	Pass	Vertical
3	208.9038	150	179	-68.62	-13.00	55.62	Pass	Vertical
4	398.4797	150	239	-68.09	-13.00	55.09	Pass	Vertical
5	597.5635	150	1	-70.42	-13.00	57.42	Pass	Vertical
6	726.2112	150	130	-65.22	-13.00	52.22	Pass	Vertical
7	1395.4395	150	130	-42.89	-13.00	29.89	Pass	Vertical
8	2965.7966	150	348	-45.64	-13.00	32.64	Pass	Vertical
9	5120.0000	150	36	-51.85	-13.00	38.85	Pass	Vertical
10	7680.0000	150	134	-45.54	-13.00	32.54	Pass	Vertical
11	10240.0000	150	230	-44.30	-13.00	31.30	Pass	Vertical
12	15299.8650	150	268	-36.06	-13.00	23.06	Pass	Vertical

16QAM

Mode:	LTE Traffic						
Band:	7	Channel:	20775				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	91	-77.38	-13.00	64.38	Pass	Horizontal
2	90.5401	150	360	-77.13	-13.00	64.13	Pass	Horizontal
3	120.0340	150	182	-74.40	-13.00	61.40	Pass	Horizontal
4	167.9616	150	56	-63.65	-13.00	50.65	Pass	Horizontal
5	350.1640	150	347	-74.82	-13.00	61.82	Pass	Horizontal
6	687.5975	150	223	-70.78	-13.00	57.78	Pass	Horizontal
7	1399.8400	150	15	-51.93	-13.00	38.93	Pass	Horizontal
8	3570.7785	150	178	-49.67	-13.00	36.67	Pass	Horizontal
9	5005.0000	150	157	-50.67	-13.00	37.67	Pass	Horizontal
10	7507.5000	150	280	-48.36	-13.00	35.36	Pass	Horizontal
11	10010.0000	150	22	-45.19	-13.00	32.19	Pass	Horizontal
12	14844.5922	150	191	-38.98	-13.00	25.98	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	20775				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	224	-66.59	-13.00	53.59	Pass	Vertical
2	175.3351	150	335	-69.74	-13.00	56.74	Pass	Vertical
3	208.9038	150	148	-68.47	-13.00	55.47	Pass	Vertical
4	398.2857	150	99	-75.04	-13.00	62.04	Pass	Vertical
5	556.2332	150	360	-68.05	-13.00	55.05	Pass	Vertical
6	687.5975	150	162	-67.25	-13.00	54.25	Pass	Vertical
7	1394.8395	150	106	-48.65	-13.00	35.65	Pass	Vertical
8	3186.7593	150	280	-47.90	-13.00	34.90	Pass	Vertical
9	5005.0000	150	314	-49.96	-13.00	36.96	Pass	Vertical
10	7507.5000	150	191	-48.34	-13.00	35.34	Pass	Vertical
11	10010.0000	150	111	-43.97	-13.00	30.97	Pass	Vertical
12	14069.0535	150	348	-39.18	-13.00	26.18	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	20800				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	93	-77.20	-13.00	64.20	Pass	Horizontal
2	93.6447	150	51	-76.51	-13.00	63.51	Pass	Horizontal
3	167.9616	150	1	-61.94	-13.00	48.94	Pass	Horizontal
4	375.0010	150	1	-74.12	-13.00	61.12	Pass	Horizontal
5	552.7405	150	176	-71.52	-13.00	58.52	Pass	Horizontal
6	687.5975	150	232	-71.63	-13.00	58.63	Pass	Horizontal
7	1398.6399	150	51	-51.01	-13.00	38.01	Pass	Horizontal
8	3565.5283	150	314	-49.74	-13.00	36.74	Pass	Horizontal
9	5010.0000	150	21	-50.67	-13.00	37.67	Pass	Horizontal
10	7515.0000	150	326	-48.52	-13.00	35.52	Pass	Horizontal
11	10020.0000	150	292	-44.99	-13.00	31.99	Pass	Horizontal
12	15572.8786	150	66	-39.41	-13.00	26.41	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	20800				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	260	-66.46	-13.00	53.46	Pass	Vertical
2	92.2865	150	176	-77.08	-13.00	64.08	Pass	Vertical
3	169.9020	150	357	-69.88	-13.00	56.88	Pass	Vertical
4	208.9038	150	79	-68.57	-13.00	55.57	Pass	Vertical
5	398.2857	150	9	-75.19	-13.00	62.19	Pass	Vertical
6	687.5975	150	301	-65.91	-13.00	52.91	Pass	Vertical
7	1195.0195	150	183	-50.26	-13.00	37.26	Pass	Vertical
8	3520.5260	150	337	-49.04	-13.00	36.04	Pass	Vertical
9	5010.0000	150	44	-51.11	-13.00	38.11	Pass	Vertical
10	7515.0000	150	337	-47.70	-13.00	34.70	Pass	Vertical
11	10020.0000	150	202	-45.13	-13.00	32.13	Pass	Vertical
12	13931.7966	150	326	-39.04	-13.00	26.04	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	20825				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	44	-78.01	-13.00	65.01	Pass	Horizontal
2	120.8102	150	154	-69.66	-13.00	56.66	Pass	Horizontal
3	167.9616	150	1	-62.38	-13.00	49.38	Pass	Horizontal
4	375.0010	150	9	-74.10	-13.00	61.10	Pass	Horizontal
5	584.9510	150	92	-72.47	-13.00	59.47	Pass	Horizontal
6	687.5975	150	230	-70.16	-13.00	57.16	Pass	Horizontal
7	1393.6394	150	1	-50.70	-13.00	37.70	Pass	Horizontal
8	3490.5245	150	157	-49.25	-13.00	36.25	Pass	Horizontal
9	5015.0000	150	157	-50.66	-13.00	37.66	Pass	Horizontal
10	7522.5000	150	225	-46.09	-13.00	33.09	Pass	Horizontal
11	10030.0000	150	100	-45.41	-13.00	32.41	Pass	Horizontal
12	14321.0661	150	258	-38.66	-13.00	25.66	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	20825				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	230	-65.73	-13.00	52.73	Pass	Vertical
2	91.5103	150	1	-78.00	-13.00	65.00	Pass	Vertical
3	208.9038	150	106	-68.37	-13.00	55.37	Pass	Vertical
4	309.9980	150	64	-75.80	-13.00	62.80	Pass	Vertical
5	375.0010	150	71	-75.23	-13.00	62.23	Pass	Vertical
6	687.5975	150	286	-66.84	-13.00	53.84	Pass	Vertical
7	1394.2394	150	78	-47.28	-13.00	34.28	Pass	Vertical
8	3198.7599	150	110	-48.15	-13.00	35.15	Pass	Vertical
9	5015.0000	150	123	-49.69	-13.00	36.69	Pass	Vertical
10	7522.5000	150	144	-48.14	-13.00	35.14	Pass	Vertical
11	10030.0000	150	157	-43.95	-13.00	30.95	Pass	Vertical
12	13924.2962	150	280	-38.99	-13.00	25.99	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	20850				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	41	-77.39	-13.00	64.39	Pass	Horizontal
2	119.8400	150	168	-72.34	-13.00	59.34	Pass	Horizontal
3	167.9616	150	41	-62.31	-13.00	49.31	Pass	Horizontal
4	208.9038	150	211	-74.99	-13.00	61.99	Pass	Horizontal
5	375.0010	150	27	-74.78	-13.00	61.78	Pass	Horizontal
6	687.5975	150	154	-72.60	-13.00	59.60	Pass	Horizontal
7	1385.0385	150	360	-51.09	-13.00	38.09	Pass	Horizontal
8	3201.7601	150	226	-48.86	-13.00	35.86	Pass	Horizontal
9	5020.0000	150	226	-51.20	-13.00	38.20	Pass	Horizontal
10	7530.0000	150	359	-48.51	-13.00	35.51	Pass	Horizontal
11	10040.0000	150	201	-44.82	-13.00	31.82	Pass	Horizontal
12	15063.6032	150	134	-39.08	-13.00	26.08	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	20850				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	141	-66.19	-13.00	53.19	Pass	Vertical
2	169.5139	150	1	-70.10	-13.00	57.10	Pass	Vertical
3	208.9038	150	84	-68.61	-13.00	55.61	Pass	Vertical
4	299.9080	150	56	-76.39	-13.00	63.39	Pass	Vertical
5	375.0010	150	84	-74.86	-13.00	61.86	Pass	Vertical
6	687.5975	150	141	-67.03	-13.00	54.03	Pass	Vertical
7	1396.2396	150	99	-48.52	-13.00	35.52	Pass	Vertical
8	3194.2597	150	132	-48.52	-13.00	35.52	Pass	Vertical
9	5020.0000	150	40	-51.55	-13.00	38.55	Pass	Vertical
10	7530.0000	150	200	-47.62	-13.00	34.62	Pass	Vertical
11	10040.0000	150	200	-44.57	-13.00	31.57	Pass	Vertical
12	13997.0499	150	86	-38.96	-13.00	25.96	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	352	-78.30	-13.00	65.30	Pass	Horizontal
2	116.9294	150	183	-71.17	-13.00	58.17	Pass	Horizontal
3	167.9616	150	13	-63.86	-13.00	50.86	Pass	Horizontal
4	375.0010	150	13	-73.84	-13.00	60.84	Pass	Horizontal
5	584.9510	150	40	-73.78	-13.00	60.78	Pass	Horizontal
6	687.5975	150	98	-71.66	-13.00	58.66	Pass	Horizontal
7	1595.6596	150	294	-51.52	-13.00	38.52	Pass	Horizontal
8	3512.2756	150	248	-49.87	-13.00	36.87	Pass	Horizontal
9	5070.0000	150	1	-49.70	-13.00	36.70	Pass	Horizontal
10	7605.0000	150	272	-49.29	-13.00	36.29	Pass	Horizontal
11	10140.0000	150	180	-43.45	-13.00	30.45	Pass	Horizontal
12	14919.5960	150	202	-38.40	-13.00	25.40	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	5M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	310	-67.59	-13.00	54.59	Pass	Vertical
2	167.9616	150	1	-69.74	-13.00	56.74	Pass	Vertical
3	208.9038	150	57	-68.51	-13.00	55.51	Pass	Vertical
4	309.9980	150	57	-76.81	-13.00	63.81	Pass	Vertical
5	399.0618	150	1	-76.07	-13.00	63.07	Pass	Vertical
6	687.5975	150	310	-66.96	-13.00	53.96	Pass	Vertical
7	1399.0399	150	99	-49.59	-13.00	36.59	Pass	Vertical
8	3555.0278	150	83	-49.31	-13.00	36.31	Pass	Vertical
9	5070.0000	150	176	-51.55	-13.00	38.55	Pass	Vertical
10	7605.0000	150	340	-48.51	-13.00	35.51	Pass	Vertical
11	10140.0000	150	359	-43.57	-13.00	30.57	Pass	Vertical
12	13708.2854	150	53	-39.92	-13.00	26.92	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	312	-78.59	-13.00	65.59	Pass	Horizontal
2	121.9744	150	177	-71.73	-13.00	58.73	Pass	Horizontal
3	167.9616	150	360	-64.63	-13.00	51.63	Pass	Horizontal
4	208.9038	150	219	-74.99	-13.00	61.99	Pass	Horizontal
5	375.0010	150	2	-74.27	-13.00	61.27	Pass	Horizontal
6	687.5975	150	327	-72.11	-13.00	59.11	Pass	Horizontal
7	1395.4395	150	19	-51.38	-13.00	38.38	Pass	Horizontal
8	3936.0468	150	16	-49.48	-13.00	36.48	Pass	Horizontal
9	5070.0000	150	200	-50.79	-13.00	37.79	Pass	Horizontal
10	7605.0000	150	225	-49.12	-13.00	36.12	Pass	Horizontal
11	10140.0000	150	0	-43.95	-13.00	30.95	Pass	Horizontal
12	14928.5964	150	108	-38.05	-13.00	25.05	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.6879	150	98	-67.12	-13.00	54.12	Pass	Vertical
2	167.9616	150	336	-69.50	-13.00	56.50	Pass	Vertical
3	208.9038	150	168	-68.20	-13.00	55.20	Pass	Vertical
4	375.0010	150	84	-75.77	-13.00	62.77	Pass	Vertical
5	557.3975	150	40	-73.02	-13.00	60.02	Pass	Vertical
6	687.5975	150	295	-66.50	-13.00	53.50	Pass	Vertical
7	1397.0397	150	126	-48.40	-13.00	35.40	Pass	Vertical
8	3525.7763	150	359	-49.80	-13.00	36.80	Pass	Vertical
9	5070.0000	150	273	-50.59	-13.00	37.59	Pass	Vertical
10	7605.0000	150	157	-49.95	-13.00	36.95	Pass	Vertical
11	10140.0000	150	203	-44.87	-13.00	31.87	Pass	Vertical
12	14059.3030	150	340	-39.71	-13.00	26.71	Pass	Vertical

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	61.4343	150	154	-77.80	-13.00	64.80	Pass	Horizontal
2	129.5419	150	196	-73.88	-13.00	60.88	Pass	Horizontal
3	167.9616	150	14	-63.21	-13.00	50.21	Pass	Horizontal
4	375.0010	150	1	-74.69	-13.00	61.69	Pass	Horizontal
5	475.7071	150	112	-75.29	-13.00	62.29	Pass	Horizontal
6	687.5975	150	168	-71.66	-13.00	58.66	Pass	Horizontal
7	1399.0399	150	1	-51.03	-13.00	38.03	Pass	Horizontal
8	3586.5293	150	1	-50.11	-13.00	37.11	Pass	Horizontal
9	5070.0000	150	63	-50.24	-13.00	37.24	Pass	Horizontal
10	7605.0000	150	42	-49.04	-13.00	36.04	Pass	Horizontal
11	10140.0000	150	134	-43.97	-13.00	30.97	Pass	Horizontal
12	15056.8528	150	202	-38.65	-13.00	25.65	Pass	Horizontal

Mode:	LTE Traffic						
Band:	7	Channel:	21100				
Remark:	15M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.6879	150	280	-66.16	-13.00	53.16	Pass	Vertical
2	172.4245	150	13	-69.51	-13.00	56.51	Pass	Vertical
3	208.9038	150	69	-68.09	-13.00	55.09	Pass	Vertical
4	399.0618	150	167	-76.63	-13.00	63.63	Pass	Vertical
5	559.3379	150	337	-70.34	-13.00	57.34	Pass	Vertical
6	687.5975	150	310	-66.20	-13.00	53.20	Pass	Vertical
7	1398.4398	150	98	-49.55	-13.00	36.55	Pass	Vertical
8	3192.0096	150	88	-48.07	-13.00	35.07	Pass	Vertical
9	5070.0000	150	155	-52.05	-13.00	39.05	Pass	Vertical
10	7605.0000	150	17	-49.69	-13.00	36.69	Pass	Vertical
11	10140.0000	150	272	-44.30	-13.00	31.30	Pass	Vertical
12	15062.8531	150	272	-39.43	-13.00	26.43	Pass	Vertical

Mode:	LTE							
Band:	7		Channel:		21100			
Remark:	20M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.8522	150	228	-77.45	-13.00	64.45	Pass	Horizontal
2	118.8698	150	158	-71.47	-13.00	58.47	Pass	Horizontal
3	167.9616	150	13	-63.36	-13.00	50.36	Pass	Horizontal
4	208.9038	150	201	-75.05	-13.00	62.05	Pass	Horizontal
5	375.0010	150	40	-75.37	-13.00	62.37	Pass	Horizontal
6	687.5975	150	228	-69.88	-13.00	56.88	Pass	Horizontal
7	1400.0400	150	13	-50.86	-13.00	37.86	Pass	Horizontal
8	3581.2791	150	318	-49.89	-13.00	36.89	Pass	Horizontal
9	5070.0000	150	246	-51.09	-13.00	38.09	Pass	Horizontal
10	7605.0000	150	293	-48.45	-13.00	35.45	Pass	Horizontal
11	10140.0000	150	62	-44.84	-13.00	31.84	Pass	Horizontal
12	14143.3072	150	40	-38.34	-13.00	25.34	Pass	Horizontal

Mode:	LTE Traffic							
Band:	7		Channel:		21100			
Remark:	20M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	209	-66.73	-13.00	53.73	Pass	Vertical
2	167.9616	150	351	-69.34	-13.00	56.34	Pass	Vertical
3	208.9038	150	83	-67.89	-13.00	54.89	Pass	Vertical
4	309.9980	150	1	-76.47	-13.00	63.47	Pass	Vertical
5	599.8920	150	1	-71.57	-13.00	58.57	Pass	Vertical
6	687.5975	150	309	-66.59	-13.00	53.59	Pass	Vertical
7	1345.8346	150	41	-52.19	-13.00	39.19	Pass	Vertical
8	3810.0405	150	340	-49.85	-13.00	36.85	Pass	Vertical
9	5070.0000	150	16	-51.29	-13.00	38.29	Pass	Vertical
10	7605.0000	150	272	-47.57	-13.00	34.57	Pass	Vertical
11	10140.0000	150	16	-44.82	-13.00	31.82	Pass	Vertical
12	14076.5538	150	155	-39.74	-13.00	26.74	Pass	Vertical

Mode:	LTE						
Band:	7	Channel:	21425				
Remark:	5M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	61.2402	150	140	-78.05	-13.00	65.05	Pass	Horizontal
2	121.3923	150	183	-70.56	-13.00	57.56	Pass	Horizontal
3	162.5285	150	41	-66.01	-13.00	53.01	Pass	Horizontal
4	355.0150	150	1	-74.99	-13.00	61.99	Pass	Horizontal
5	584.9510	150	56	-73.11	-13.00	60.11	Pass	Horizontal
6	687.5975	150	225	-70.50	-13.00	57.50	Pass	Horizontal
7	1399.4399	150	225	-49.53	-13.00	36.53	Pass	Horizontal
8	3948.7974	150	318	-50.08	-13.00	37.08	Pass	Horizontal
9	5135.0000	150	155	-50.42	-13.00	37.42	Pass	Horizontal
10	7702.5000	150	0	-48.14	-13.00	35.14	Pass	Horizontal
11	10270.0000	150	134	-44.40	-13.00	31.40	Pass	Horizontal
12	14937.5969	150	0	-39.31	-13.00	26.31	Pass	Horizontal

Mode:	LTE						
Band:	7	Channel:	21425				
Remark:	5M						

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.0760	150	168	-65.91	-13.00	52.91	Pass	Vertical
2	109.9440	150	14	-77.18	-13.00	64.18	Pass	Vertical
3	167.9616	150	14	-71.37	-13.00	58.37	Pass	Vertical
4	208.9038	150	168	-67.69	-13.00	54.69	Pass	Vertical
5	399.8380	150	155	-73.45	-13.00	60.45	Pass	Vertical
6	687.5975	150	310	-65.17	-13.00	52.17	Pass	Vertical
7	1393.0393	150	141	-49.96	-13.00	36.96	Pass	Vertical
8	3567.7784	150	200	-50.05	-13.00	37.05	Pass	Vertical
9	5135.0000	150	0	-50.77	-13.00	37.77	Pass	Vertical
10	7702.5000	150	271	-48.28	-13.00	35.28	Pass	Vertical
11	10270.0000	150	293	-44.18	-13.00	31.18	Pass	Vertical
12	14341.3171	150	200	-39.66	-13.00	26.66	Pass	Vertical

Mode:	LTE						
Band:	7	Channel:	21400				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	112	-78.22	-13.00	65.22	Pass	Horizontal
2	121.3923	150	183	-71.39	-13.00	58.39	Pass	Horizontal
3	167.9616	150	14	-63.78	-13.00	50.78	Pass	Horizontal
4	359.8660	150	1	-75.89	-13.00	62.89	Pass	Horizontal
5	476.2893	150	126	-74.99	-13.00	61.99	Pass	Horizontal
6	687.5975	150	281	-72.16	-13.00	59.16	Pass	Horizontal
7	1397.4397	150	14	-50.61	-13.00	37.61	Pass	Horizontal
8	3959.2980	150	318	-50.40	-13.00	37.40	Pass	Horizontal
9	5130.0000	150	318	-51.69	-13.00	38.69	Pass	Horizontal
10	7695.0000	150	41	-47.30	-13.00	34.30	Pass	Horizontal
11	10260.0000	150	359	-44.44	-13.00	31.44	Pass	Horizontal
12	14243.0622	150	272	-39.27	-13.00	26.27	Pass	Horizontal

Mode:	LTE						
Band:	7	Channel:	21400				
Remark:	10M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	56	-66.08	-13.00	53.08	Pass	Vertical
2	89.9580	150	324	-76.82	-13.00	63.82	Pass	Vertical
3	167.9616	150	353	-69.26	-13.00	56.26	Pass	Vertical
4	208.9038	150	296	-67.87	-13.00	54.87	Pass	Vertical
5	399.0618	150	353	-75.02	-13.00	62.02	Pass	Vertical
6	687.5975	150	311	-65.94	-13.00	52.94	Pass	Vertical
7	1394.8395	150	168	-48.93	-13.00	35.93	Pass	Vertical
8	3549.7775	150	0	-49.17	-13.00	36.17	Pass	Vertical
9	5130.0000	150	154	-51.05	-13.00	38.05	Pass	Vertical
10	7695.0000	150	61	-48.97	-13.00	35.97	Pass	Vertical
11	10260.0000	150	154	-44.59	-13.00	31.59	Pass	Vertical
12	15533.1267	150	272	-38.88	-13.00	25.88	Pass	Vertical

Mode:	LTE							
Band:	7		Channel:		21375			
Remark:	15M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.5085	150	226	-76.70	-13.00	63.70	Pass	Horizontal
2	116.9294	150	183	-70.67	-13.00	57.67	Pass	Horizontal
3	167.9616	150	360	-64.57	-13.00	51.57	Pass	Horizontal
4	375.0010	150	353	-73.47	-13.00	60.47	Pass	Horizontal
5	477.0654	150	112	-74.92	-13.00	61.92	Pass	Horizontal
6	687.5975	150	239	-70.95	-13.00	57.95	Pass	Horizontal
7	1277.0277	150	268	-52.22	-13.00	39.22	Pass	Horizontal
8	3581.2791	150	179	-50.22	-13.00	37.22	Pass	Horizontal
9	5125.0000	150	154	-50.08	-13.00	37.08	Pass	Horizontal
10	7687.5000	150	226	-47.33	-13.00	34.33	Pass	Horizontal
11	10250.0000	150	62	-43.64	-13.00	30.64	Pass	Horizontal
12	15071.1036	150	226	-39.03	-13.00	26.03	Pass	Horizontal

Mode:	LTE							
Band:	7		Channel:		21375			
Remark:	15M							
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.8820	150	337	-66.09	-13.00	53.09	Pass	Vertical
2	167.9616	150	1	-69.17	-13.00	56.17	Pass	Vertical
3	208.9038	150	69	-67.82	-13.00	54.82	Pass	Vertical
4	300.1020	150	125	-76.69	-13.00	63.69	Pass	Vertical
5	399.8380	150	1	-74.07	-13.00	61.07	Pass	Vertical
6	687.5975	150	310	-66.45	-13.00	53.45	Pass	Vertical
7	1594.8595	150	154	-48.38	-13.00	35.38	Pass	Vertical
8	3584.2792	150	154	-49.08	-13.00	36.08	Pass	Vertical
9	5125.0000	150	247	-51.80	-13.00	38.80	Pass	Vertical
10	7687.5000	150	201	-47.31	-13.00	34.31	Pass	Vertical
11	10250.0000	150	293	-43.54	-13.00	30.54	Pass	Vertical
12	14372.0686	150	0	-39.35	-13.00	26.35	Pass	Vertical

Mode:	LTE						
Band:	7	Channel:	21350				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.8522	150	99	-78.50	-13.00	65.50	Pass	Horizontal
2	123.1386	150	169	-69.91	-13.00	56.91	Pass	Horizontal
3	177.2755	150	42	-64.47	-13.00	51.47	Pass	Horizontal
4	270.0260	150	226	-78.42	-13.00	65.42	Pass	Horizontal
5	375.0010	150	360	-74.32	-13.00	61.32	Pass	Horizontal
6	687.5975	150	226	-71.52	-13.00	58.52	Pass	Horizontal
7	1395.6396	150	1	-51.50	-13.00	38.50	Pass	Horizontal
8	3480.7740	150	62	-50.30	-13.00	37.30	Pass	Horizontal
9	5120.0000	150	0	-51.23	-13.00	38.23	Pass	Horizontal
10	7680.0000	150	293	-47.67	-13.00	34.67	Pass	Horizontal
11	10240.0000	150	0	-43.83	-13.00	30.83	Pass	Horizontal
12	14960.0980	150	0	-39.52	-13.00	26.52	Pass	Horizontal

Mode:	LTE						
Band:	7	Channel:	21350				
Remark:	20M						
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	59.6879	150	198	-67.44	-13.00	54.44	Pass	Vertical
2	91.3163	150	254	-77.50	-13.00	64.50	Pass	Vertical
3	170.6781	150	354	-69.48	-13.00	56.48	Pass	Vertical
4	208.9038	150	142	-68.56	-13.00	55.56	Pass	Vertical
5	397.5095	150	326	-76.70	-13.00	63.70	Pass	Vertical
6	687.5975	150	312	-65.82	-13.00	52.82	Pass	Vertical
7	1196.2196	150	155	-50.61	-13.00	37.61	Pass	Vertical
8	3198.7599	150	340	-48.78	-13.00	35.78	Pass	Vertical
9	5120.0000	150	180	-51.27	-13.00	38.27	Pass	Vertical
10	7680.0000	150	247	-47.14	-13.00	34.14	Pass	Vertical
11	10240.0000	150	180	-45.08	-13.00	32.08	Pass	Vertical
12	14150.0575	150	0	-39.52	-13.00	26.52	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 ***