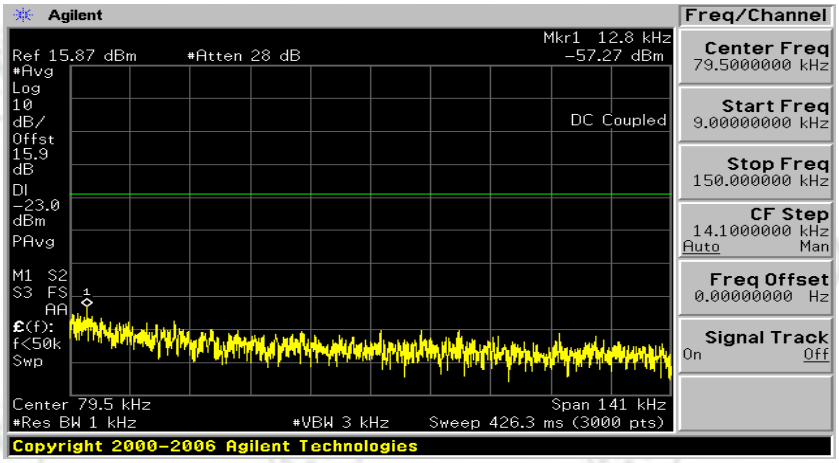
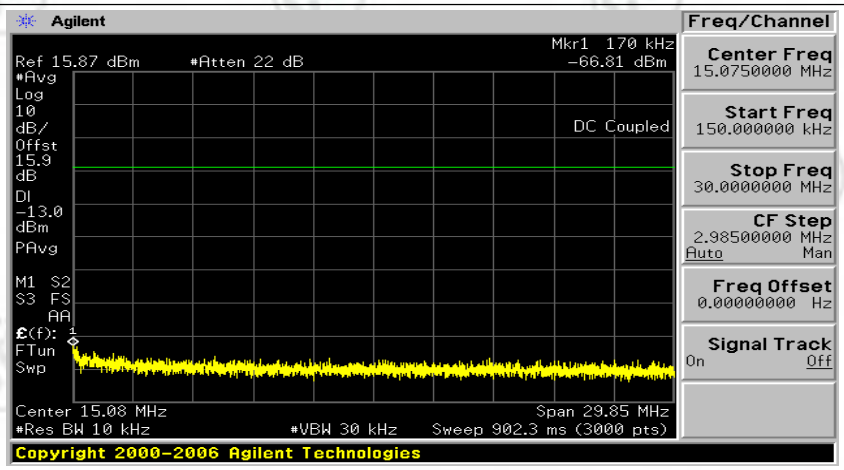
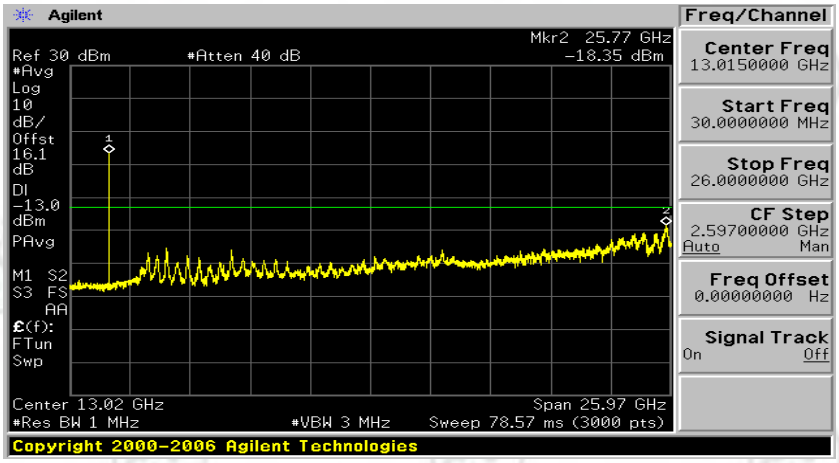
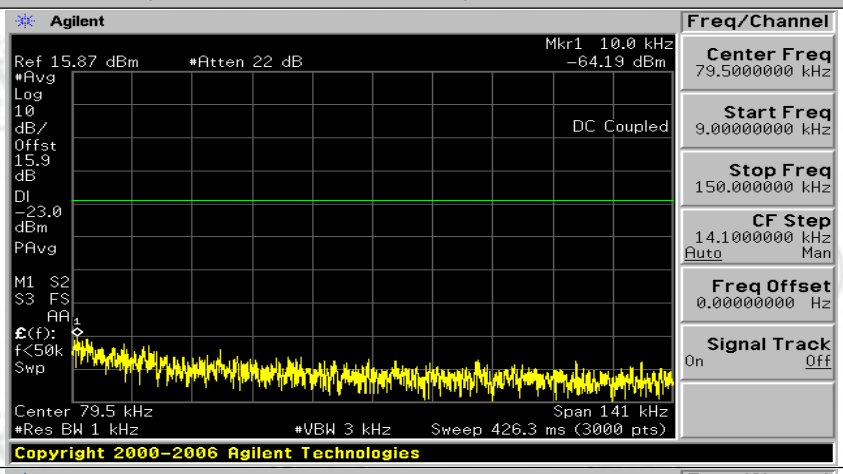
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

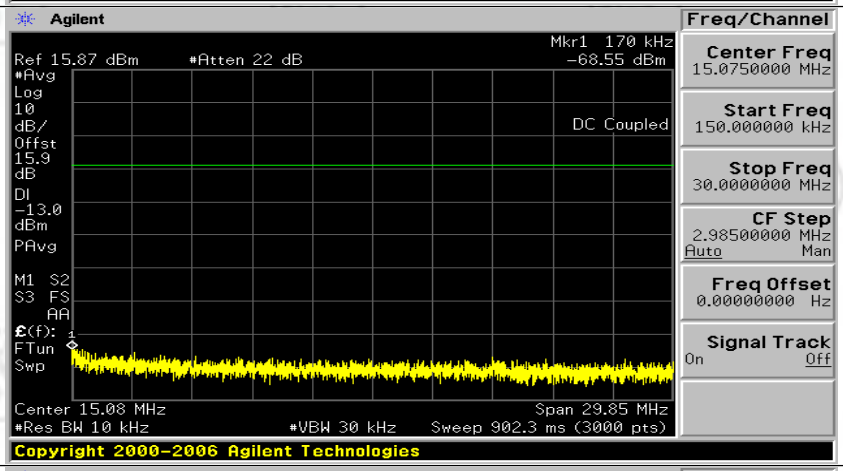


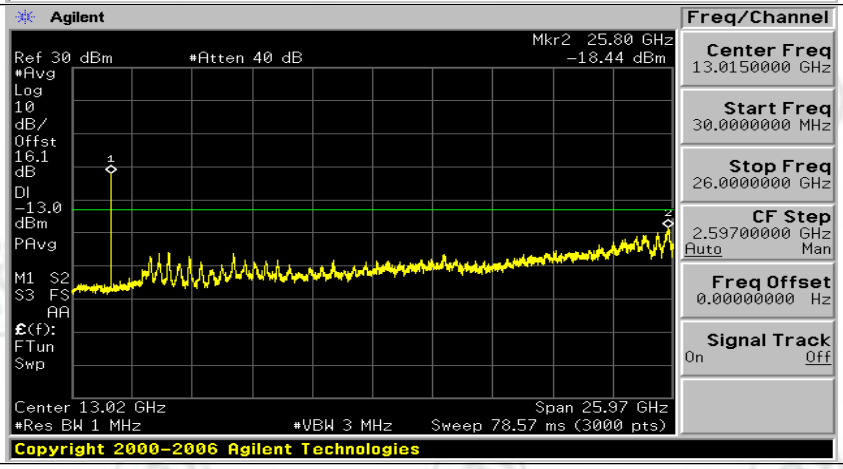


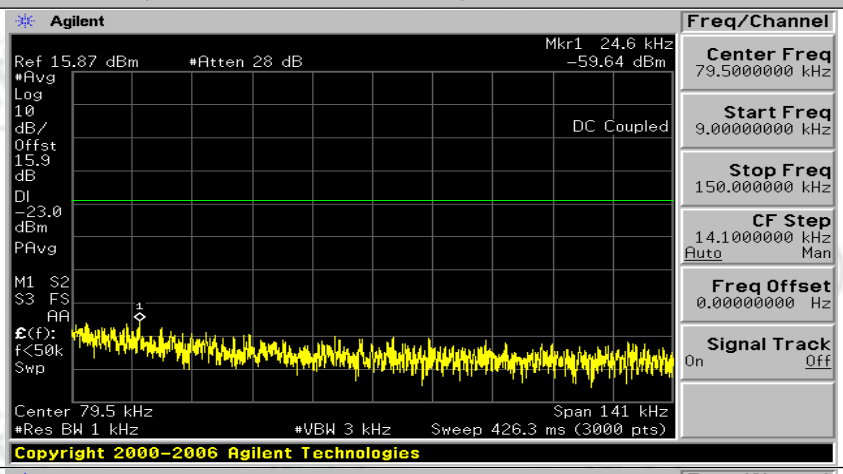
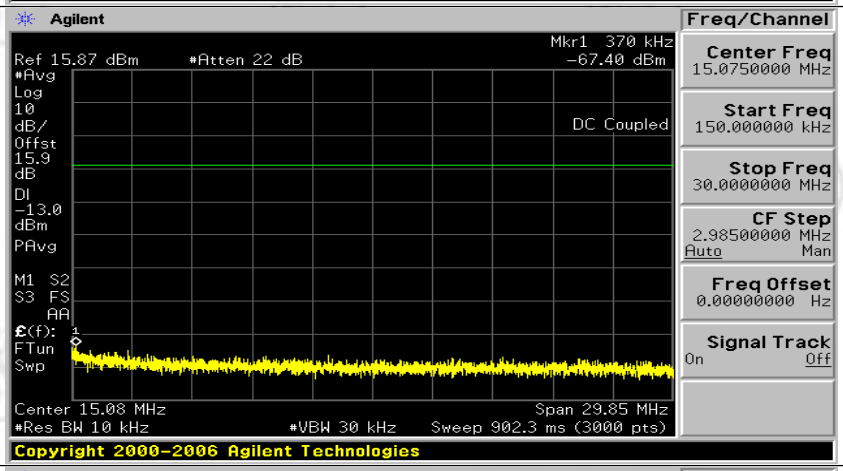
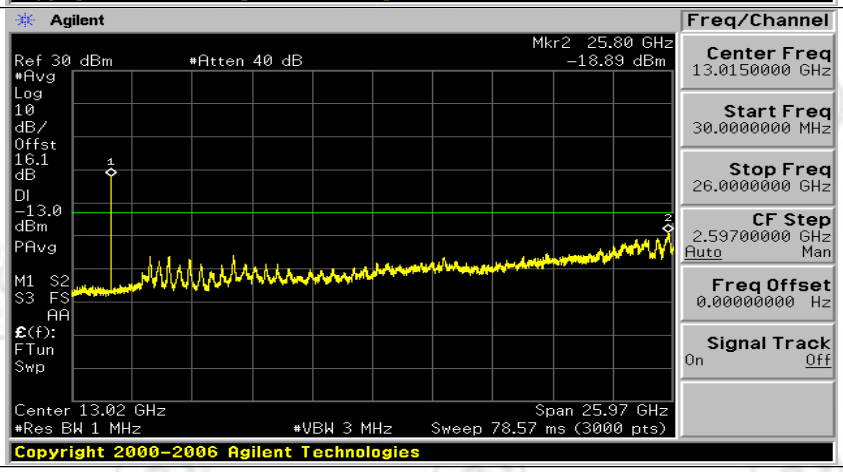


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

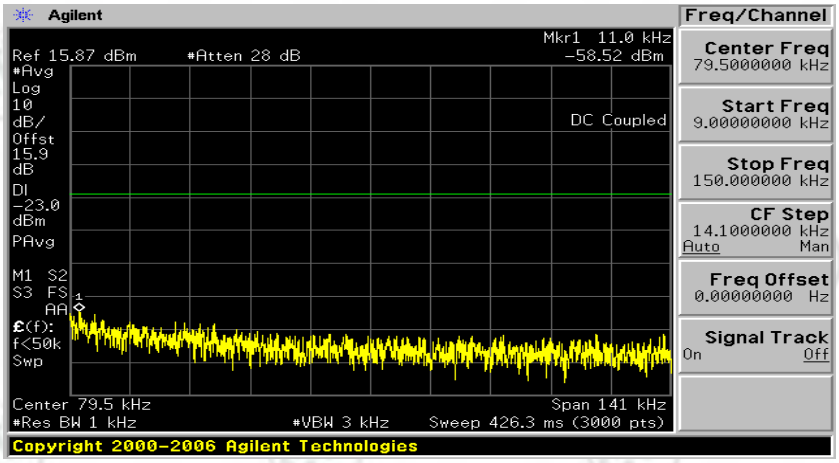


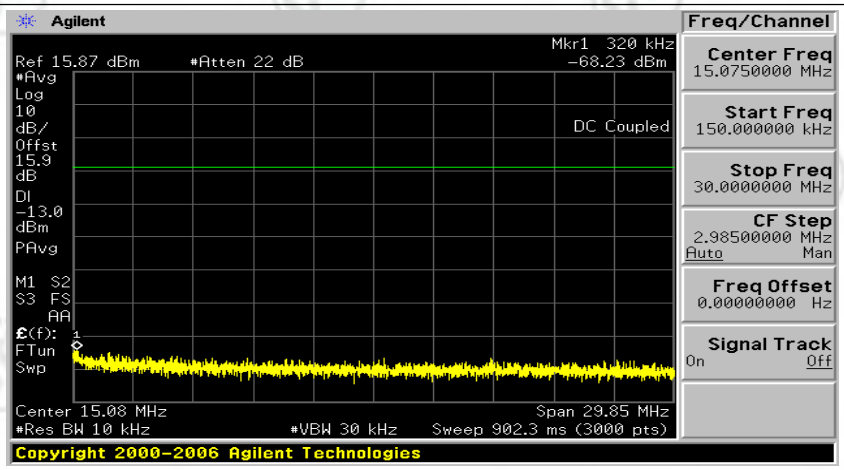


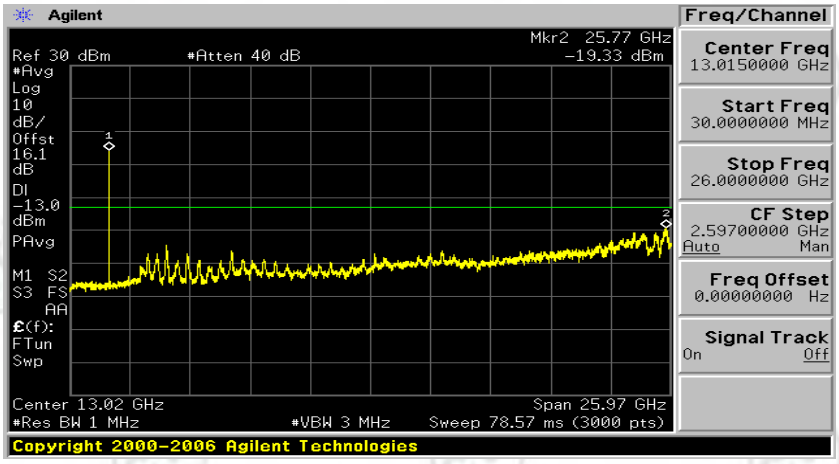


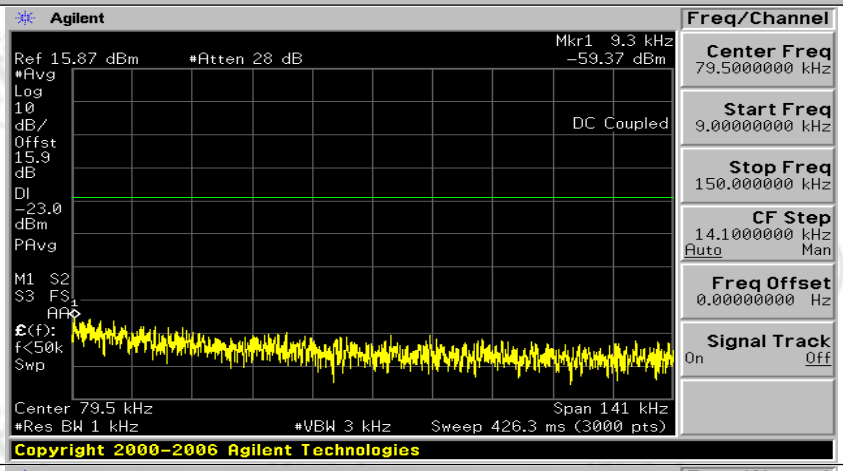
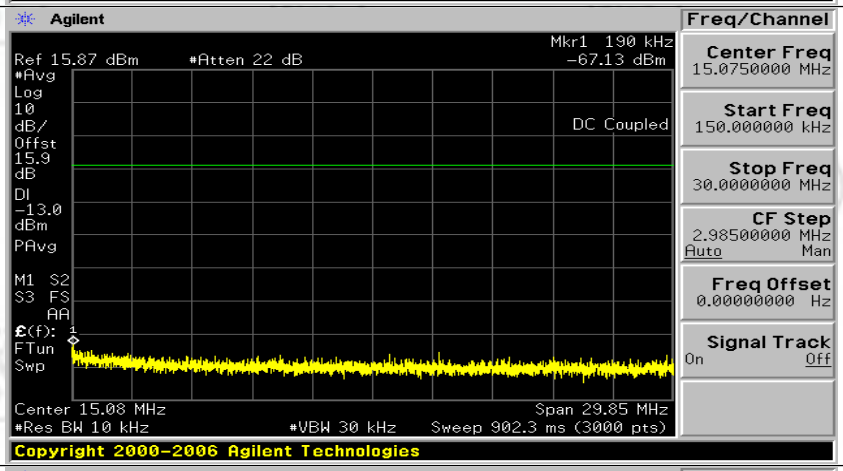
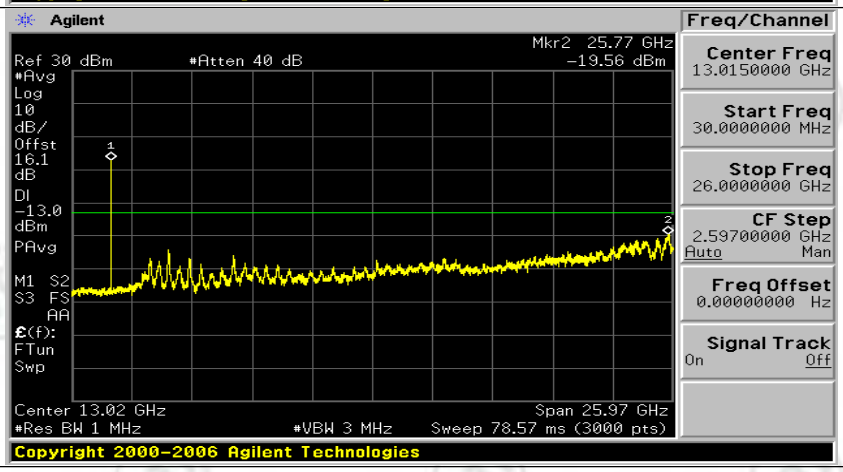
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0




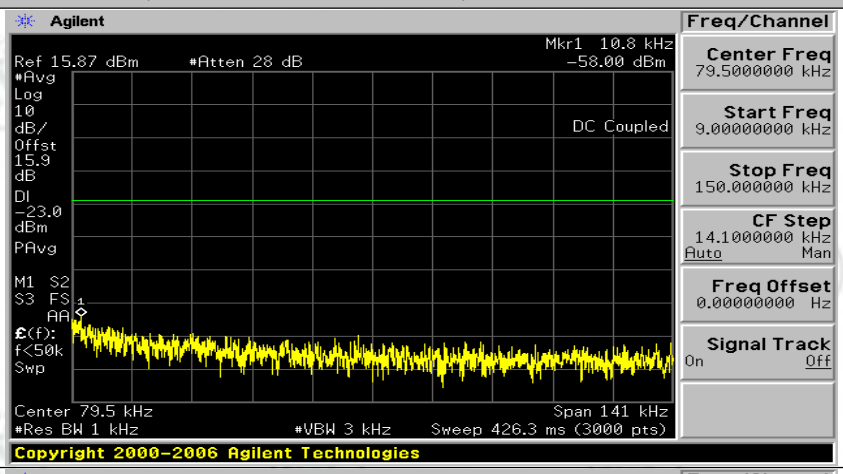
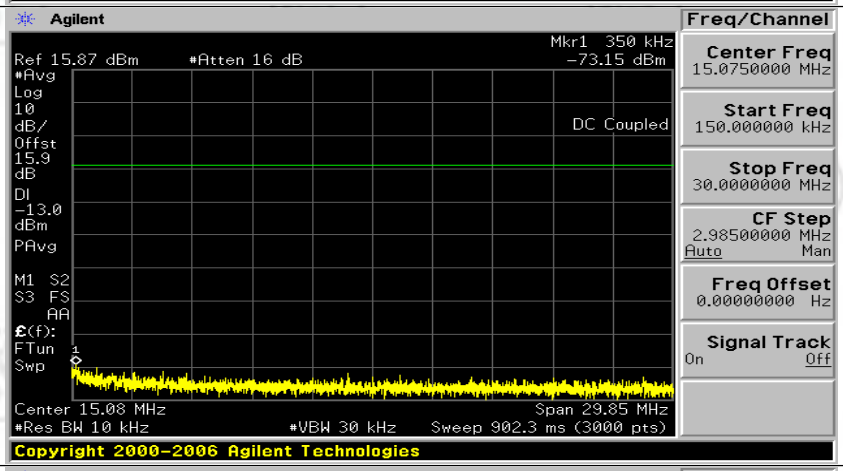
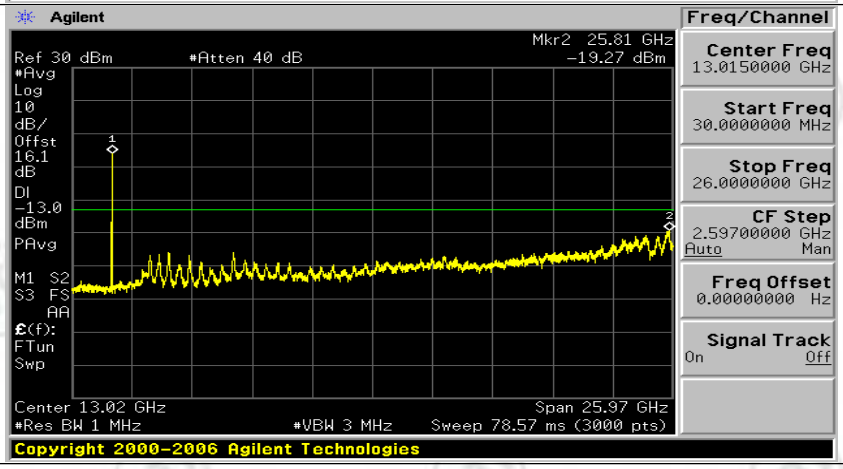
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



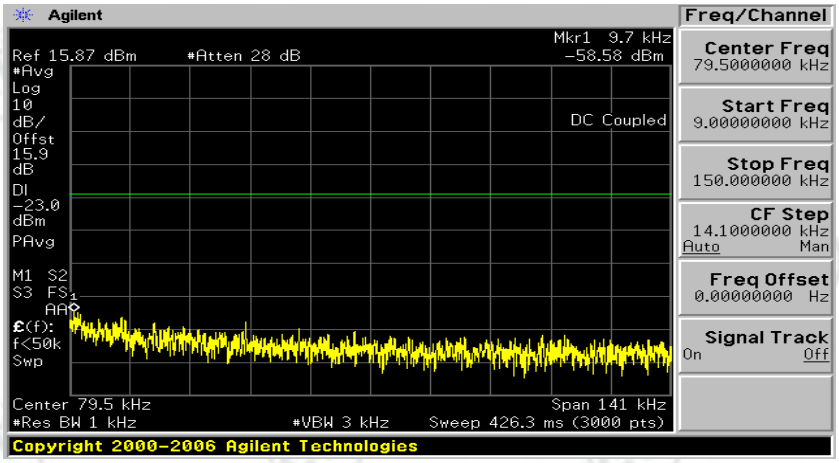


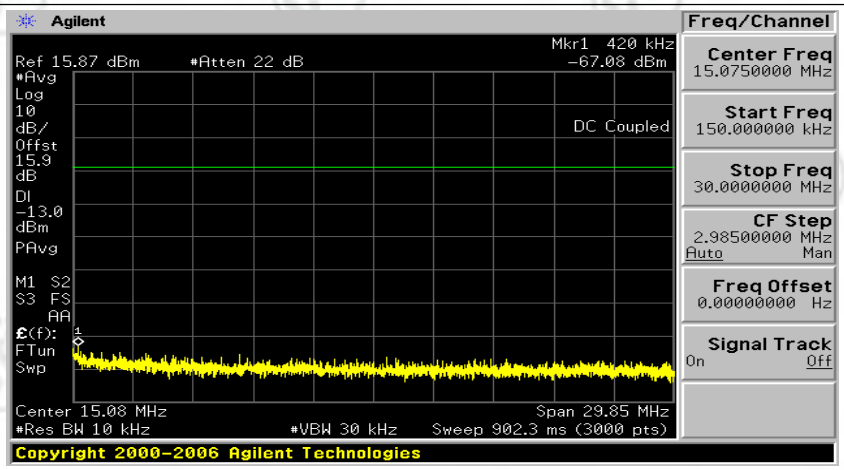


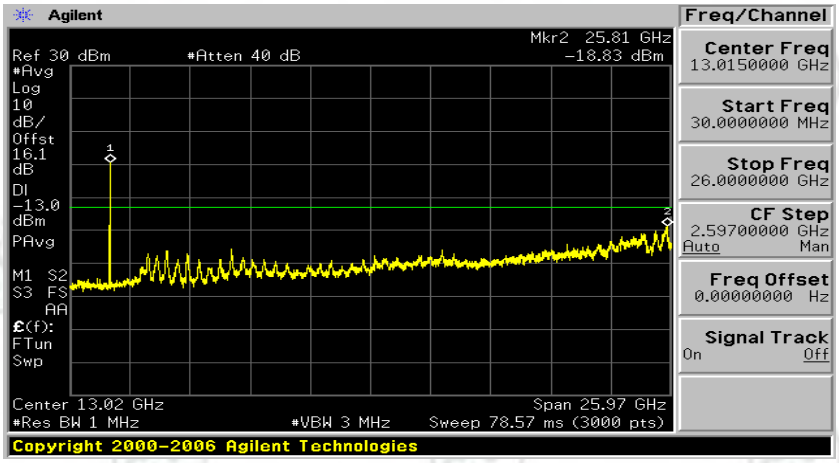
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5




(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0




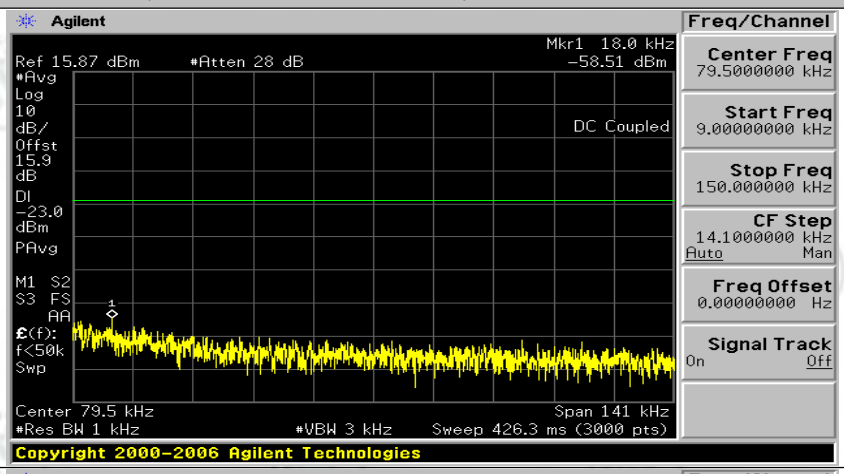
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

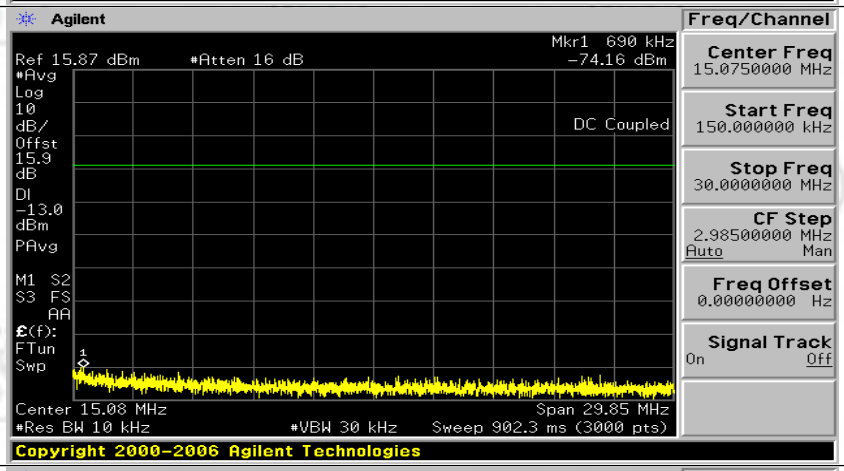


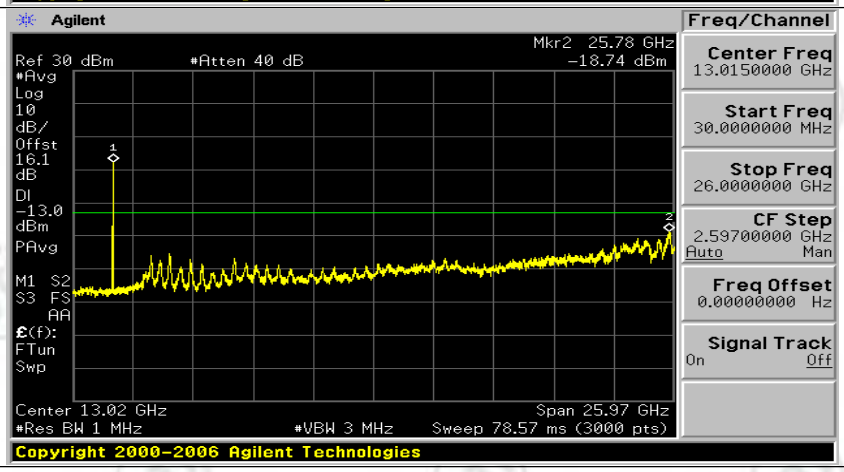


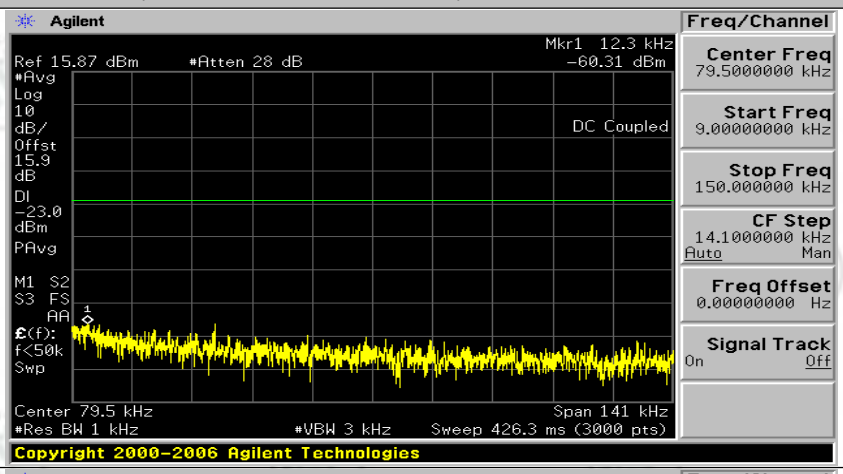
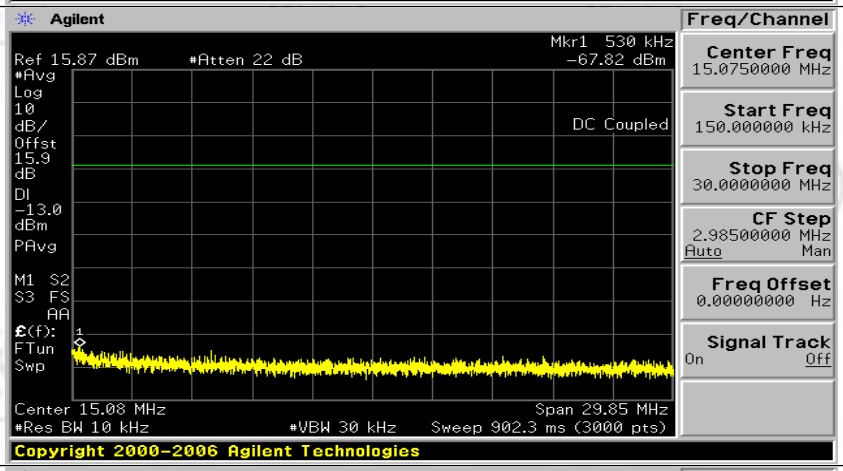
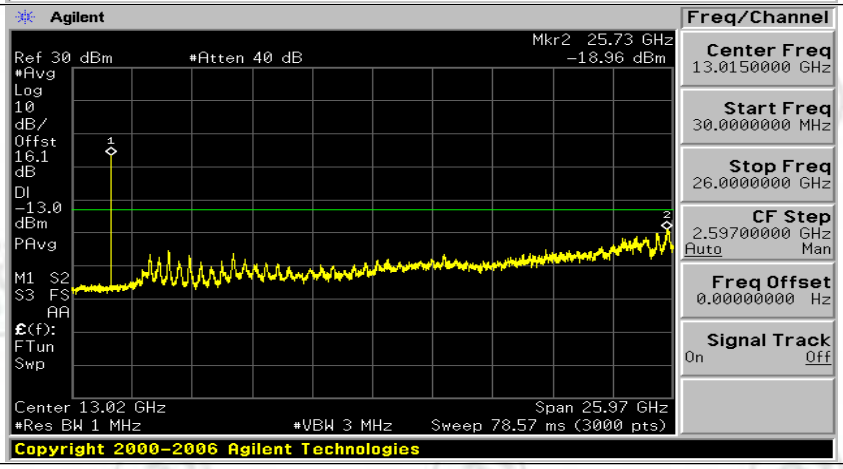


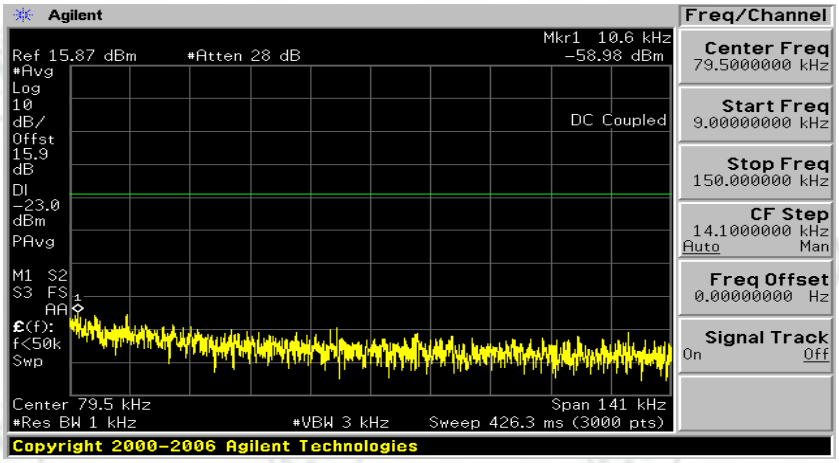
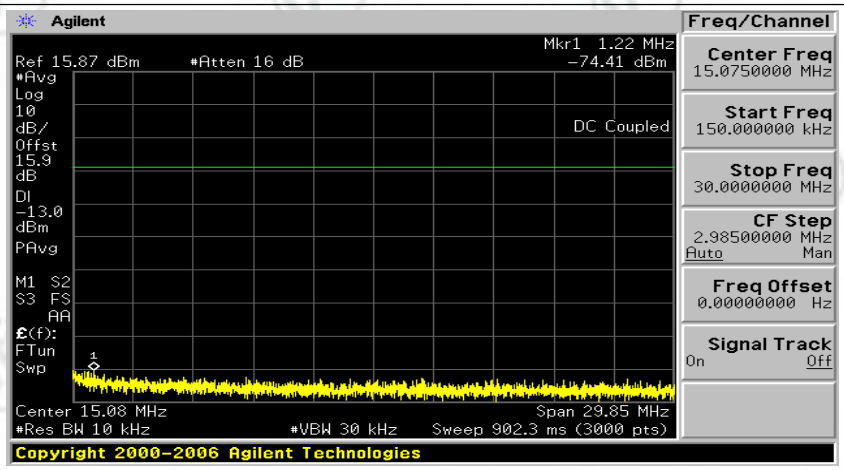
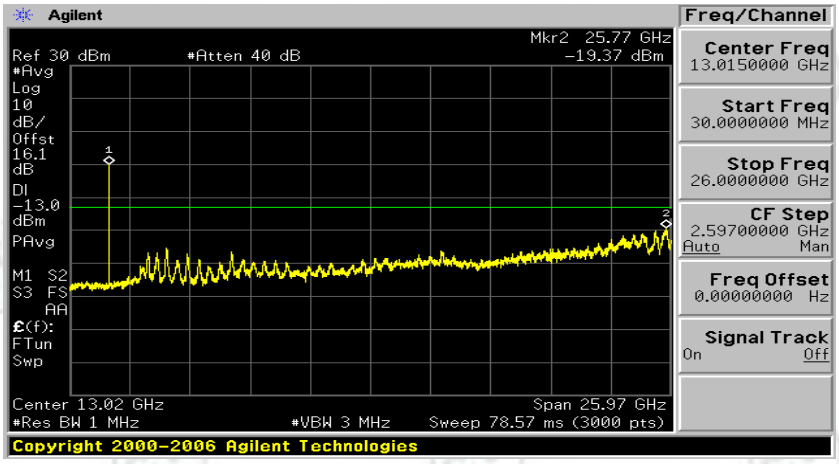
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

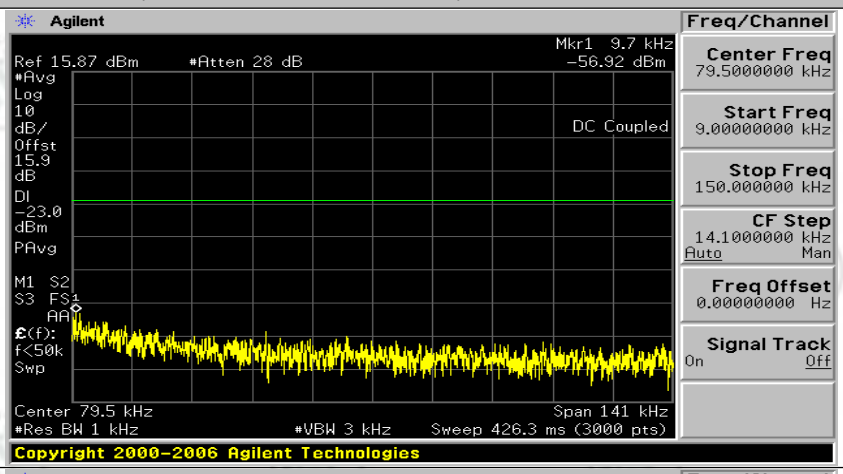
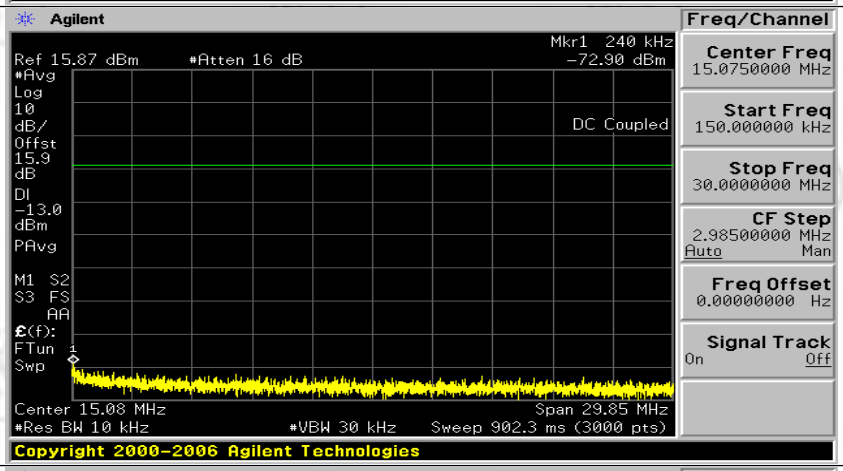
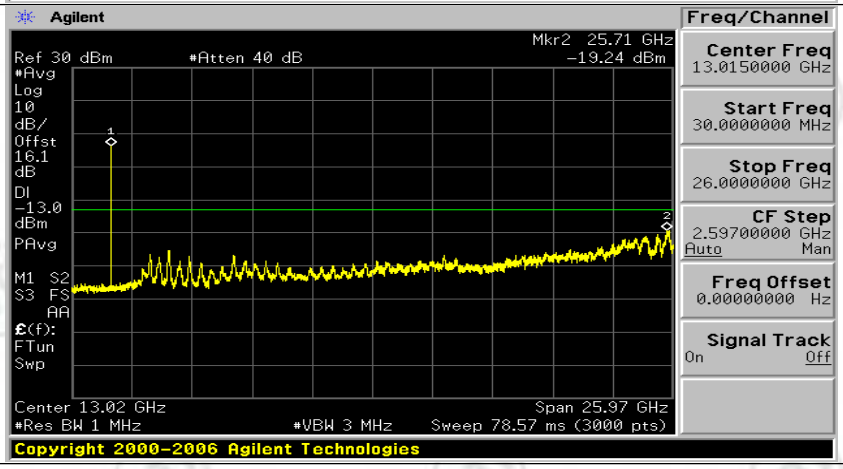




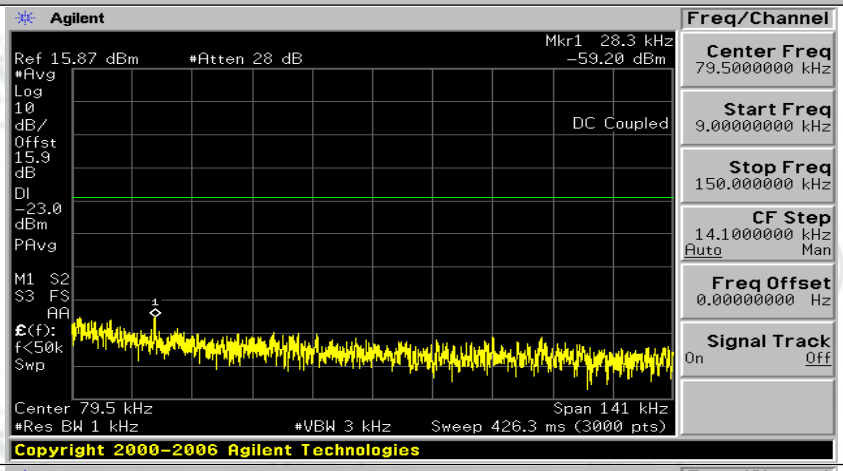


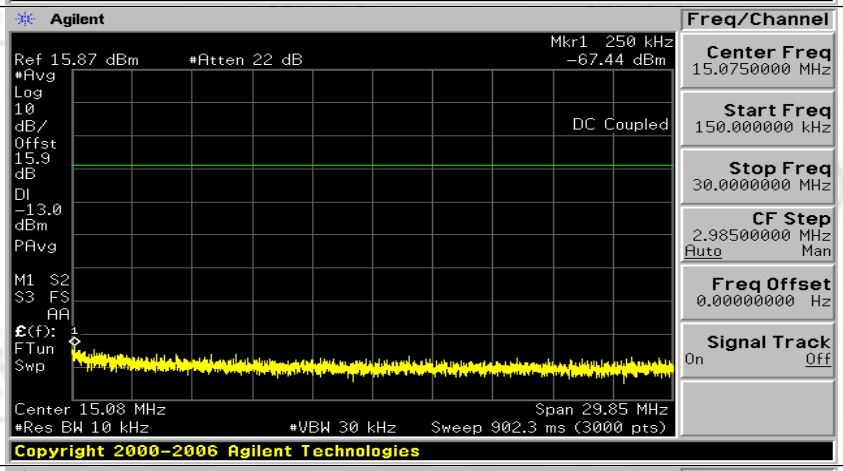
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0




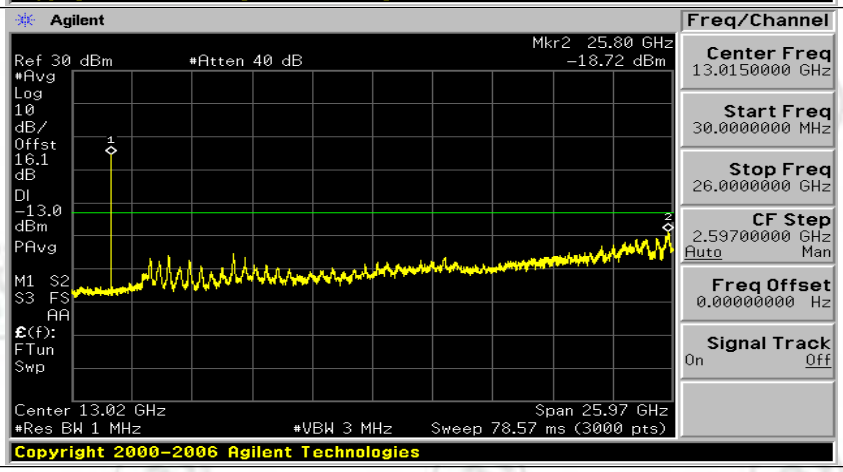
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3




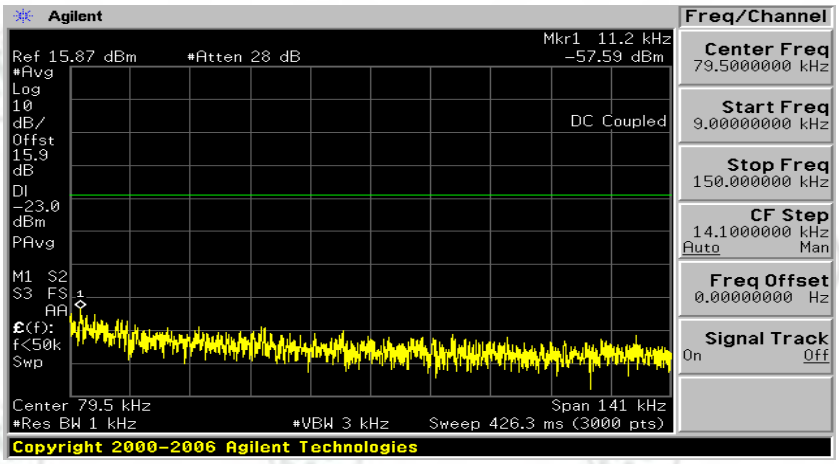
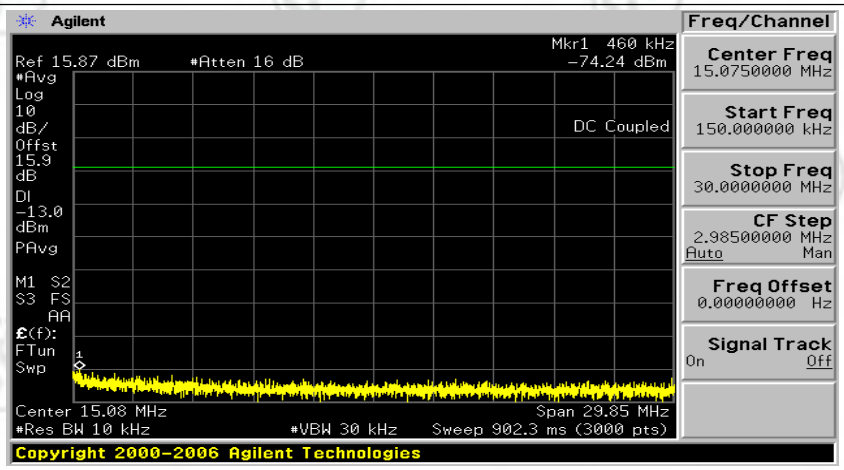
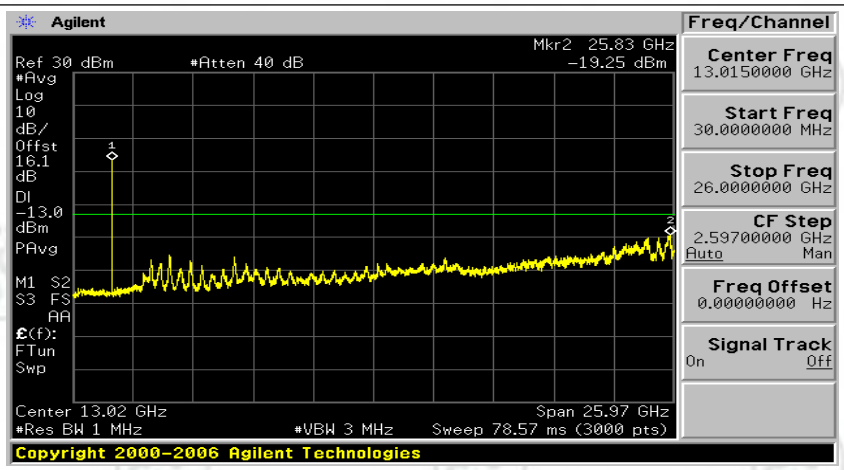
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5




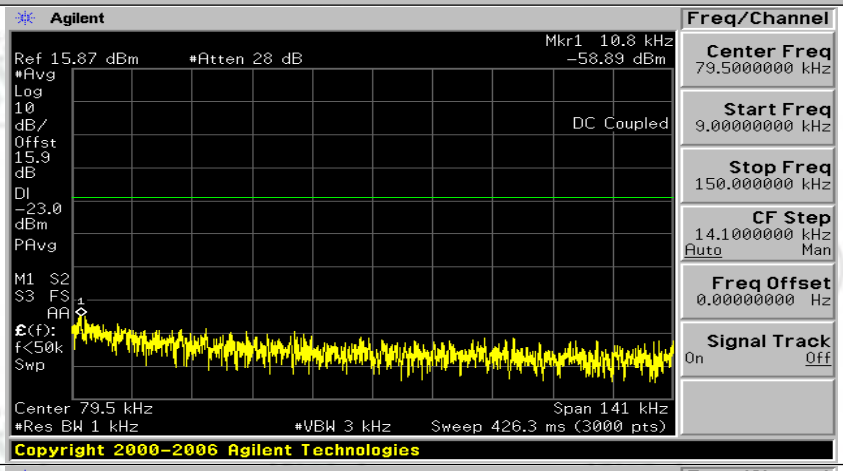
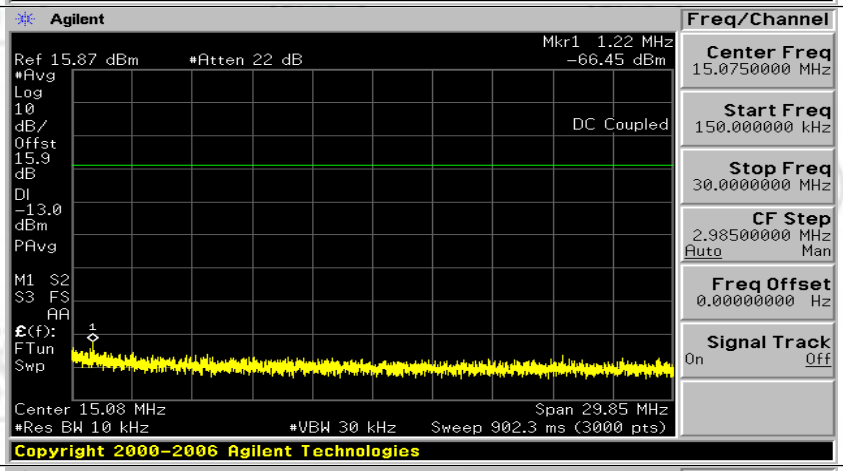
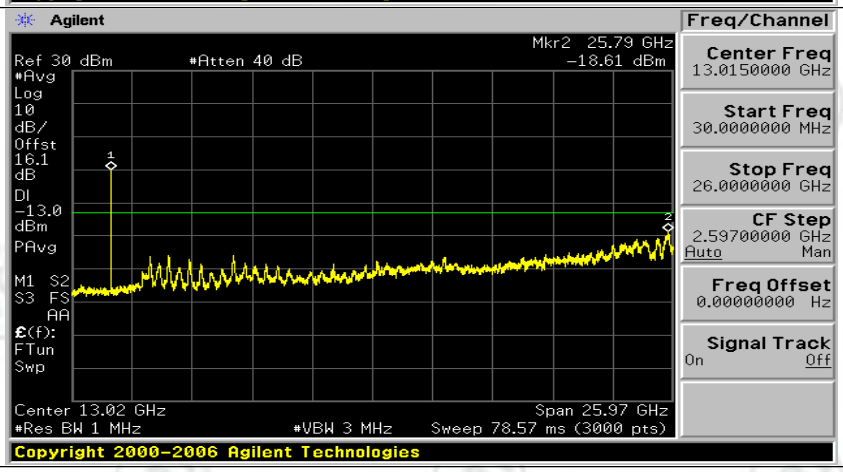
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



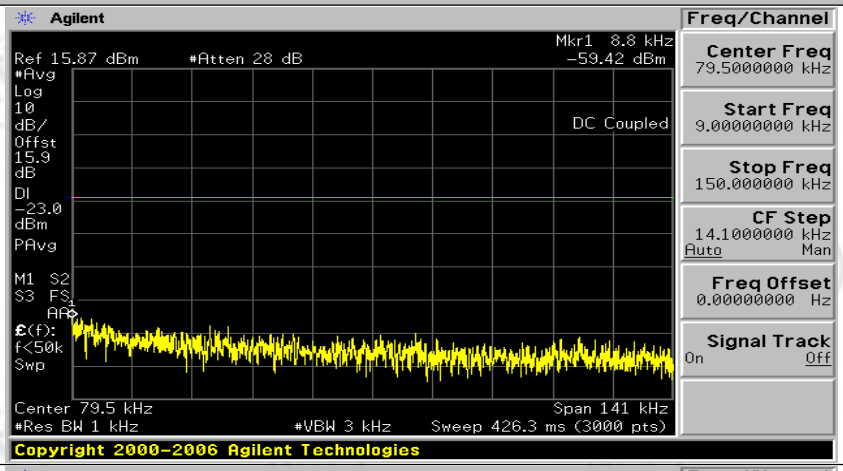


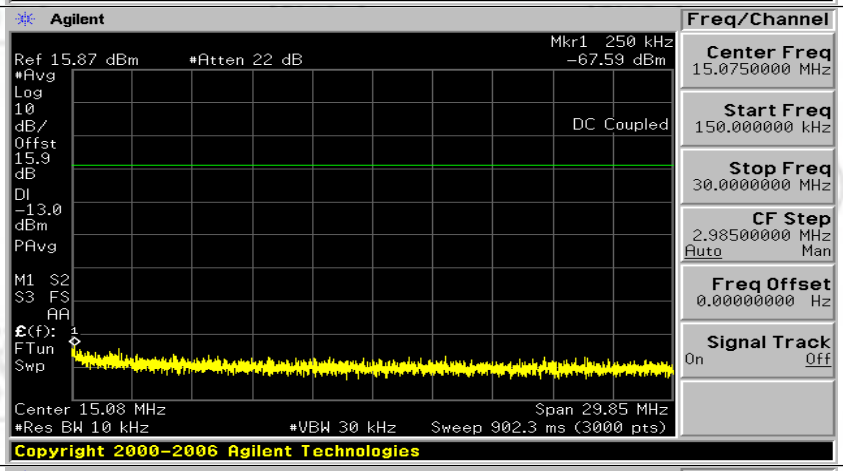


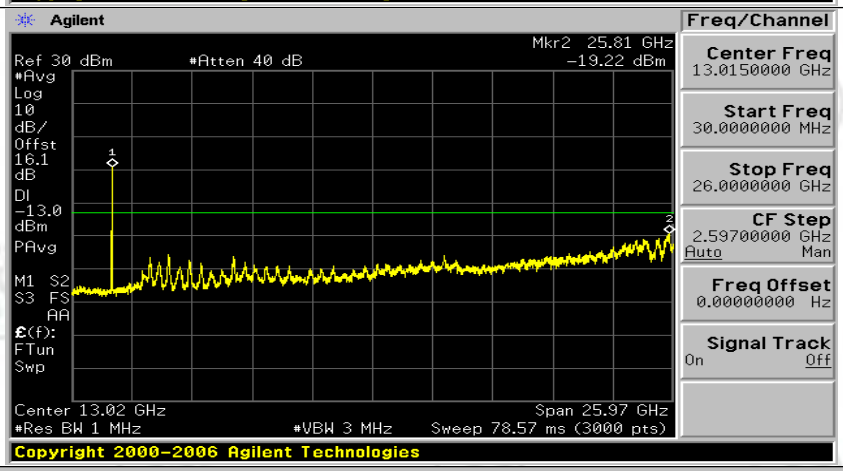
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3




(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5




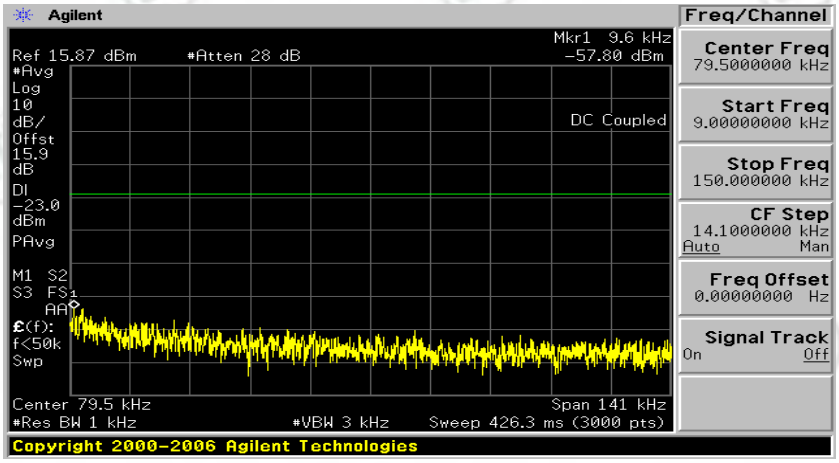
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

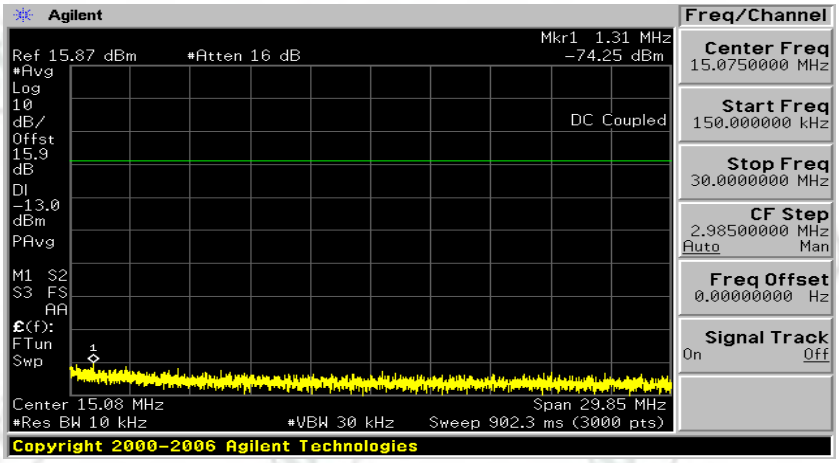


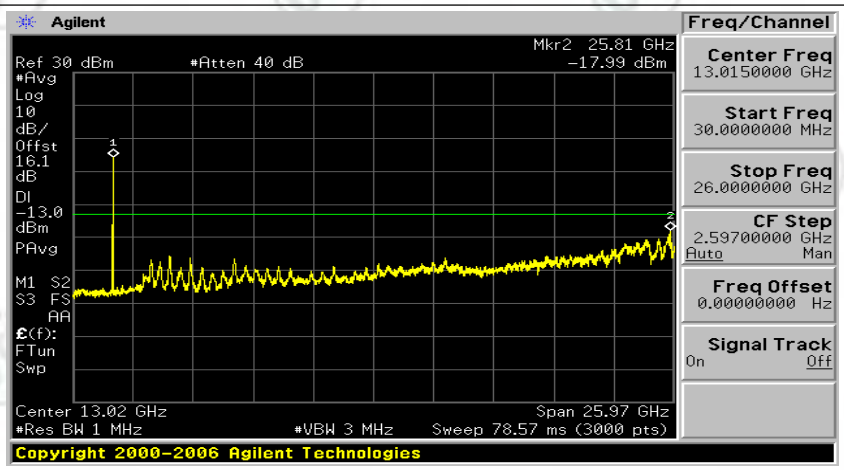


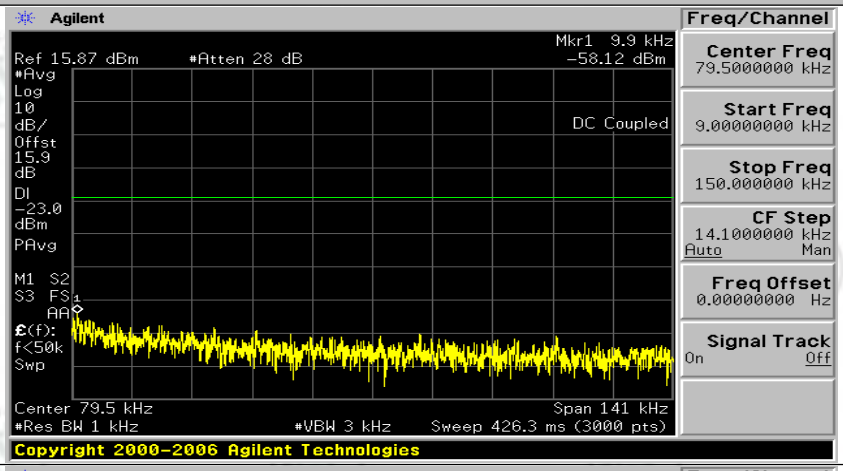
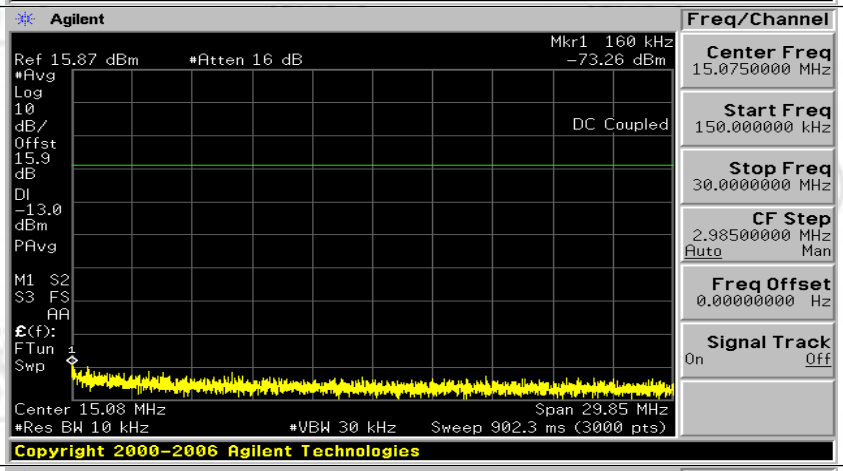
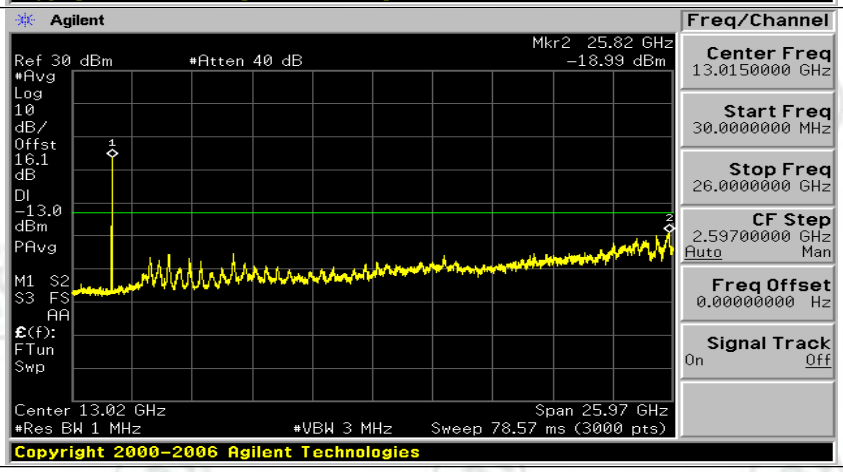


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3


Agilent
Freq/Channel
Mkr1 9.6 kHz
Ref 15.87 dBm
#Atten 28 dB
-57.80 dBm
#Avg
Log
10
dB/
Offst
15.9
dB
Dl
-23.0
dBm
PAvg
DC Coupled
M1 S2
S3 FS
AA
£(f):
f<50k
Swp
Center 79.5 kHz
Span 141 kHz
#Res BW 1 kHz
#VBW 3 kHz
Sweep 426.3 ms (3000 pts)
Center Freq
79.5000000 kHz
Start Freq
9.00000000 kHz
Stop Freq
150.000000 kHz
CF Step
14.1000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

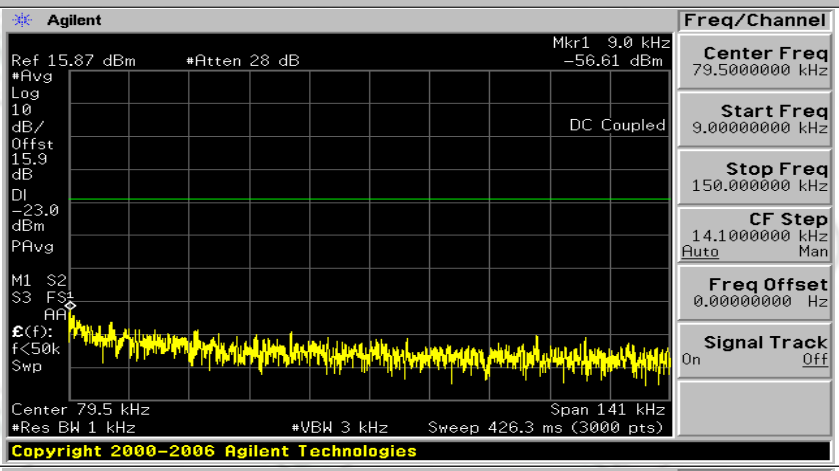

Agilent
Freq/Channel
Mkr1 1.31 MHz
Ref 15.87 dBm
#Atten 16 dB
-74.25 dBm
#Avg
Log
10
dB/
Offst
15.9
dB
Dl
-13.0
dBm
PAvg
DC Coupled
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center 15.08 MHz
Span 29.85 MHz
#Res BW 10 kHz
#VBW 30 kHz
Sweep 902.3 ms (3000 pts)
Center Freq
15.0750000 MHz
Start Freq
150.000000 kHz
Stop Freq
30.0000000 MHz
CF Step
2.98500000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

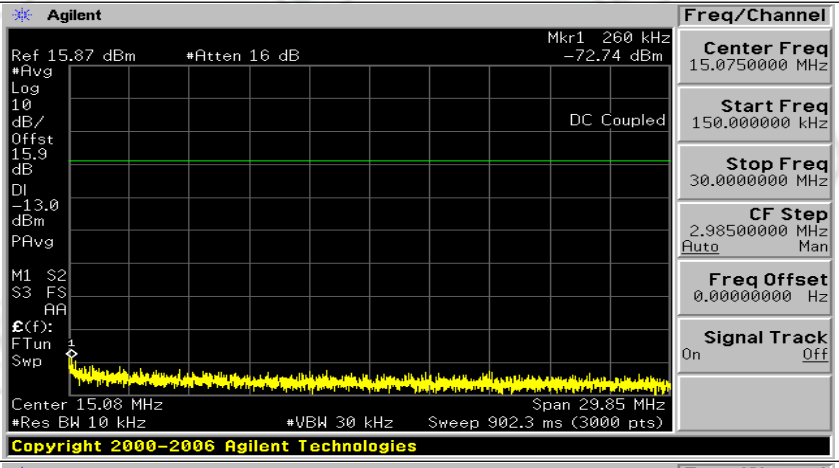

Agilent
Freq/Channel
Mkr2 25.81 GHz
Ref 30 dBm
#Atten 40 dB
-17.99 dBm
#Avg
Log
10
dB/
Offst
16.1
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FS
AA
£(f):
FTun
Swp
Center 13.02 GHz
Span 25.97 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 78.57 ms (3000 pts)
Center Freq
13.0150000 GHz
Start Freq
30.0000000 MHz
Stop Freq
26.0000000 GHz
CF Step
2.59700000 GHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Copyright 2000-2006 Agilent Technologies

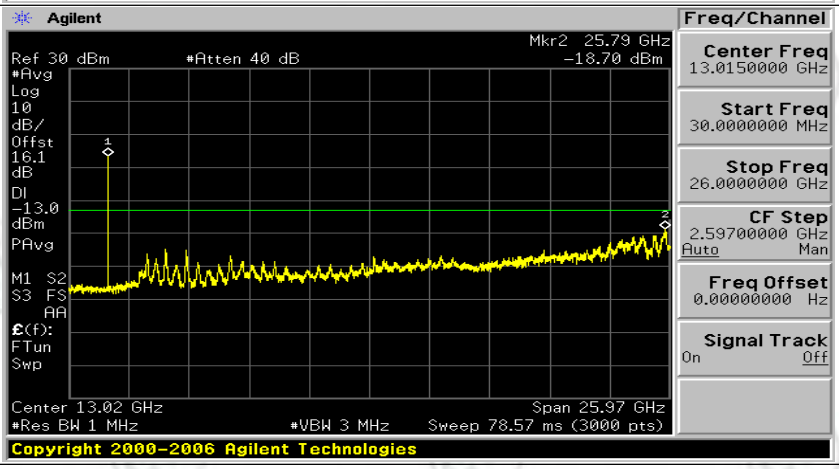
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5




Channel Bandwidth: 3 MHz

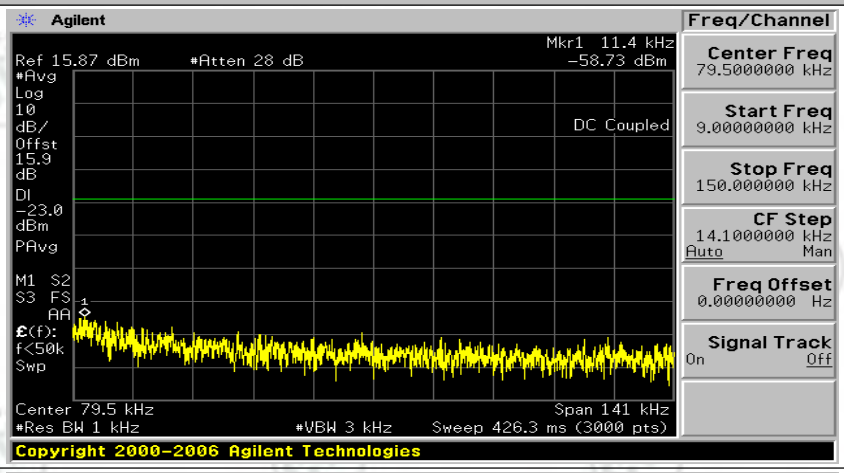
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

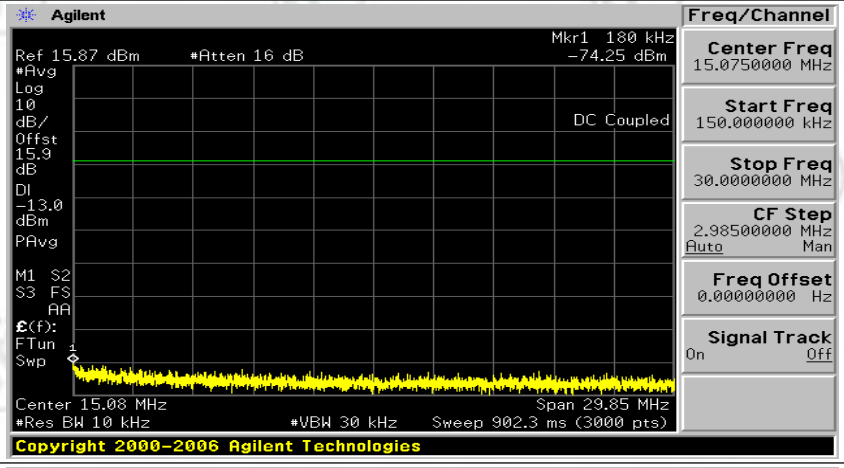


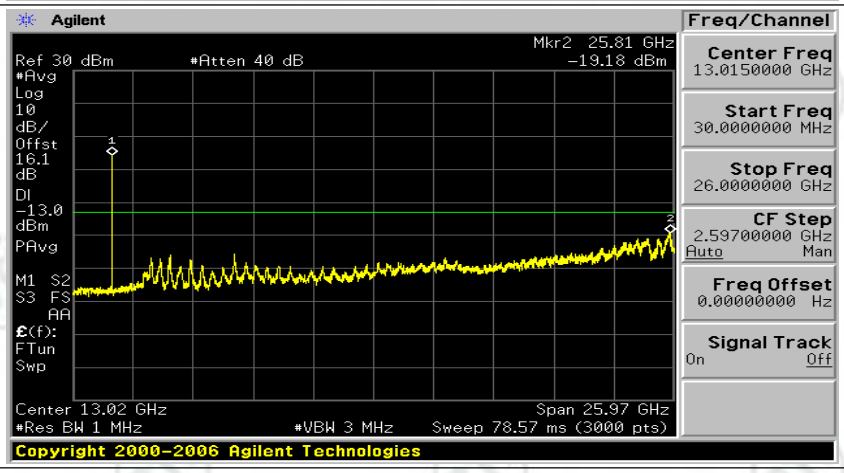




(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7







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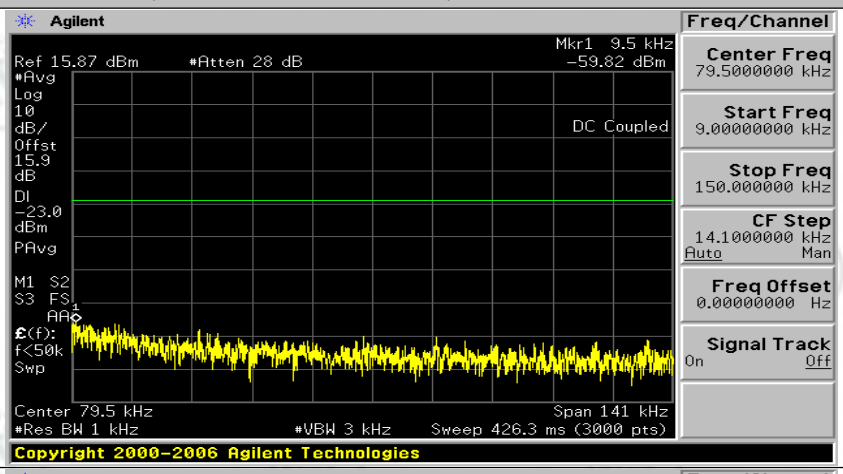
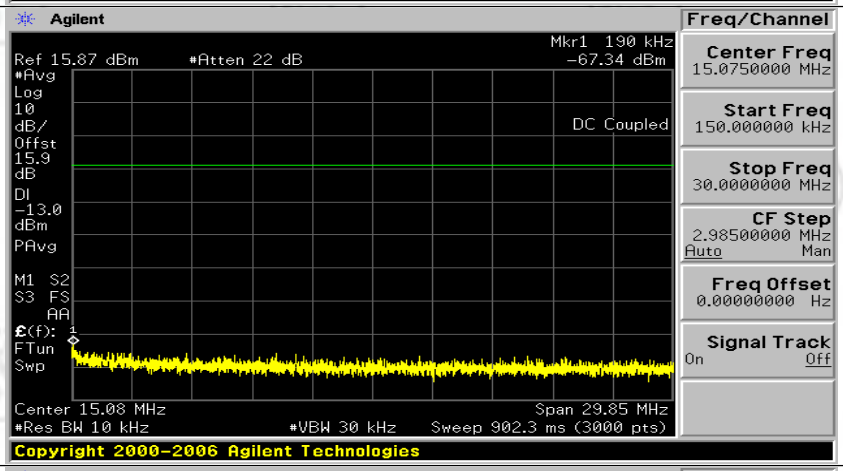
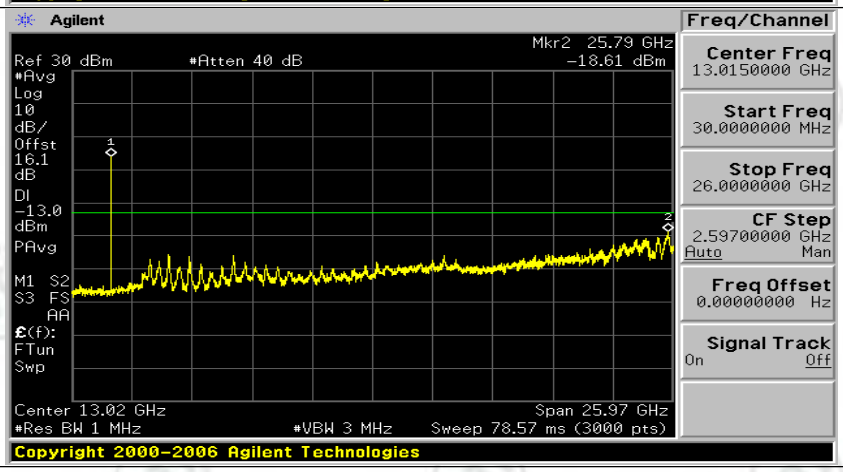

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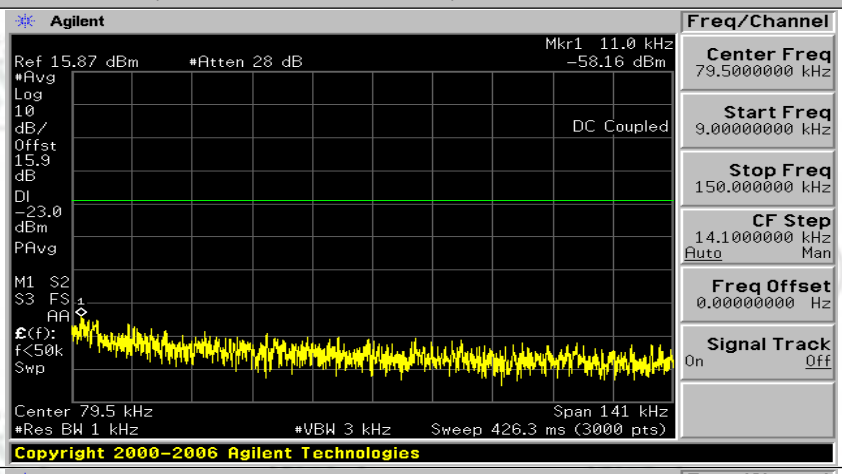
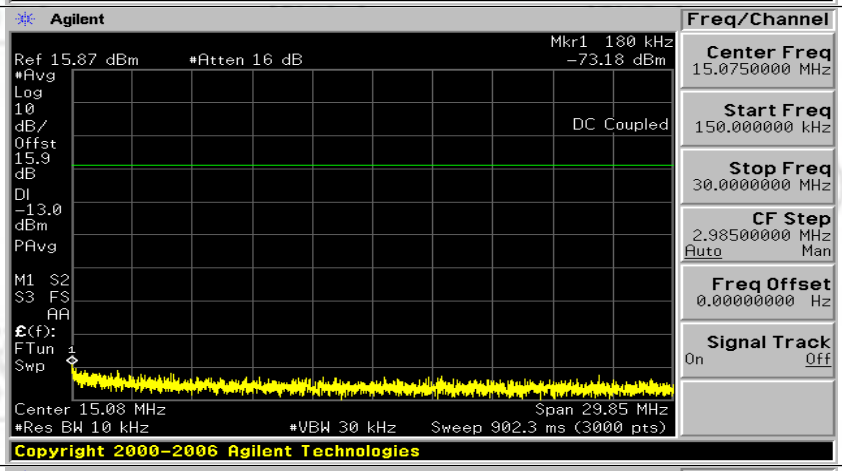
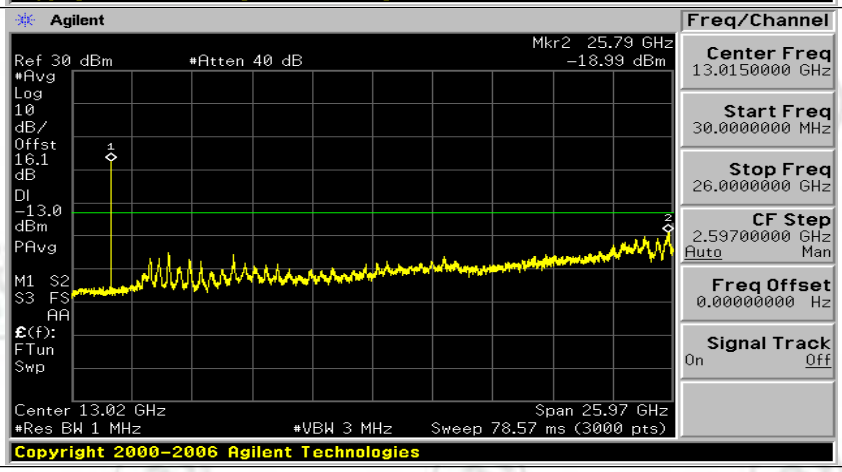
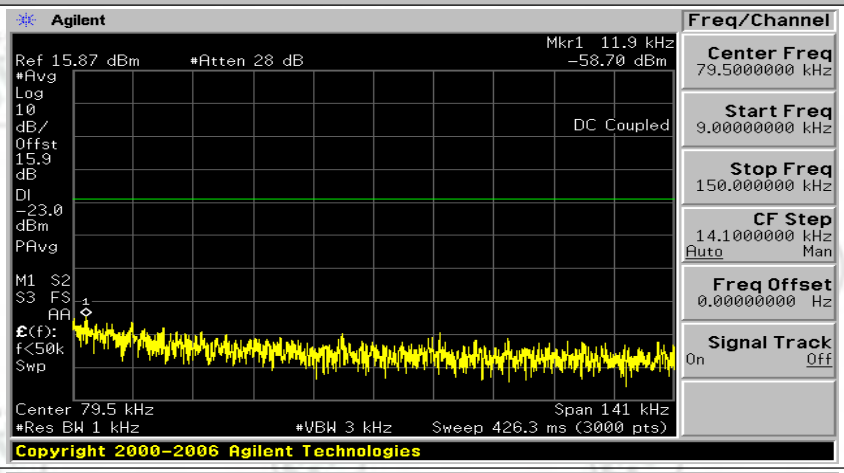
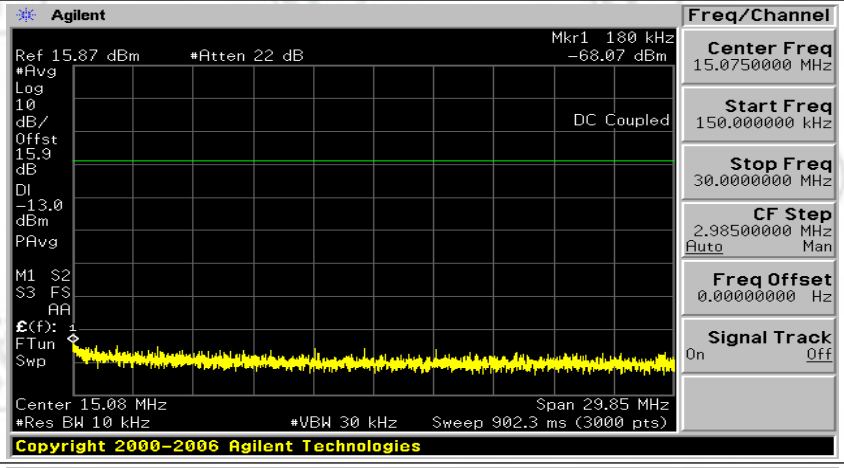
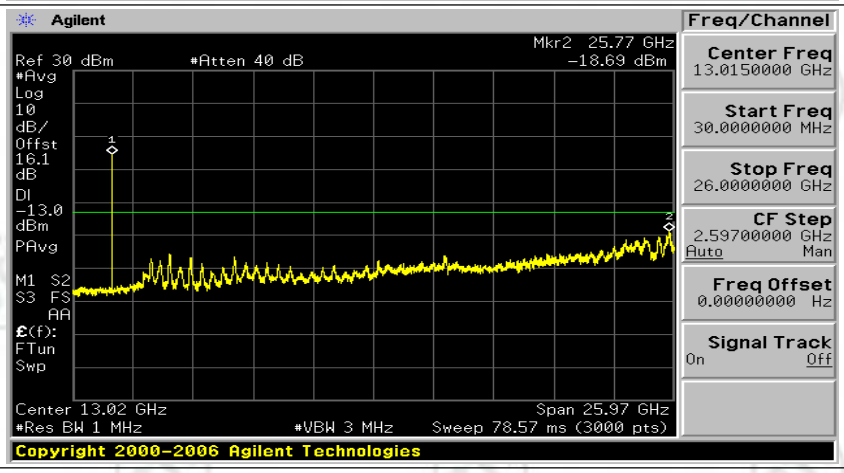




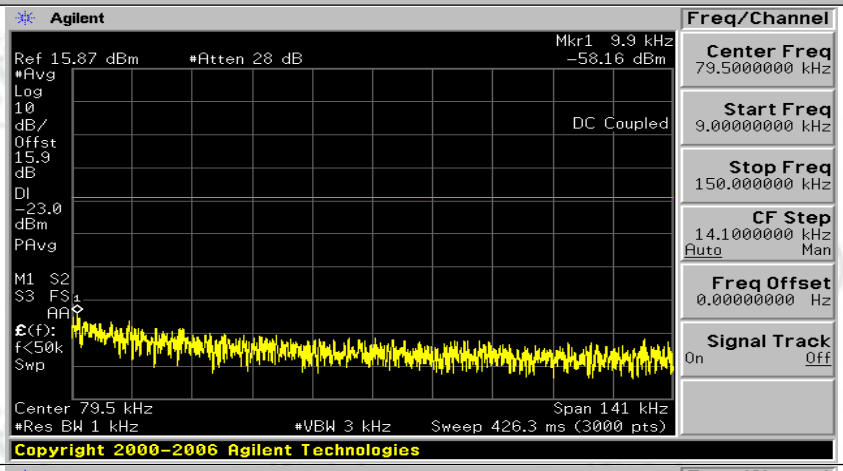
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

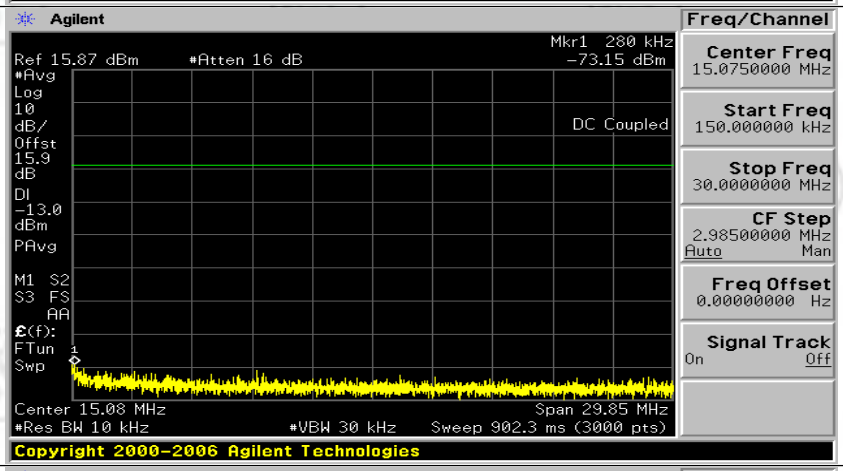


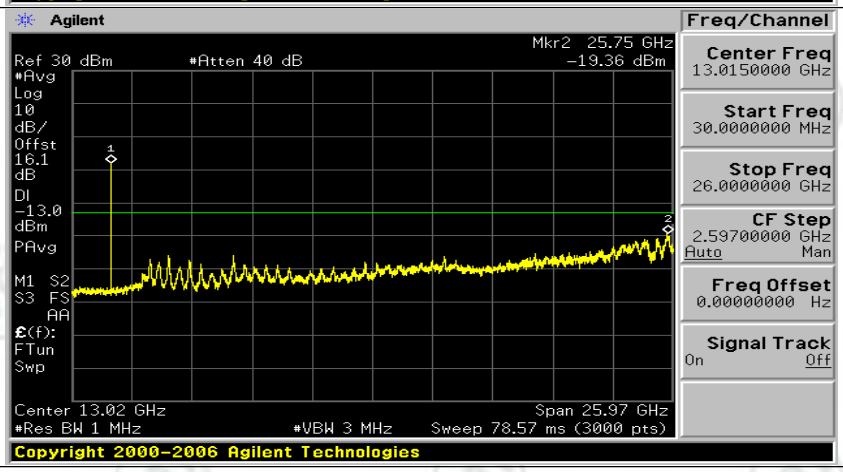




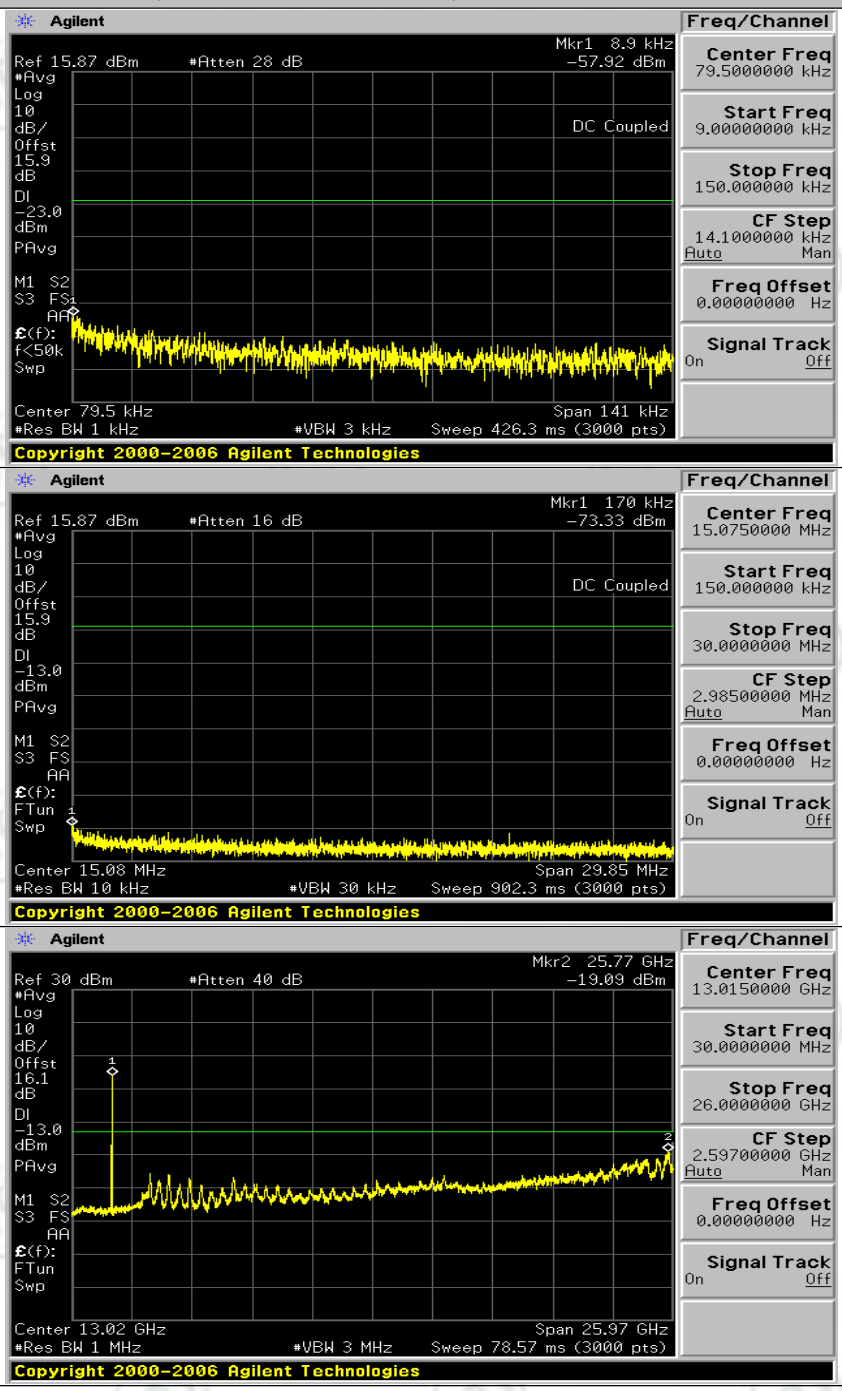
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

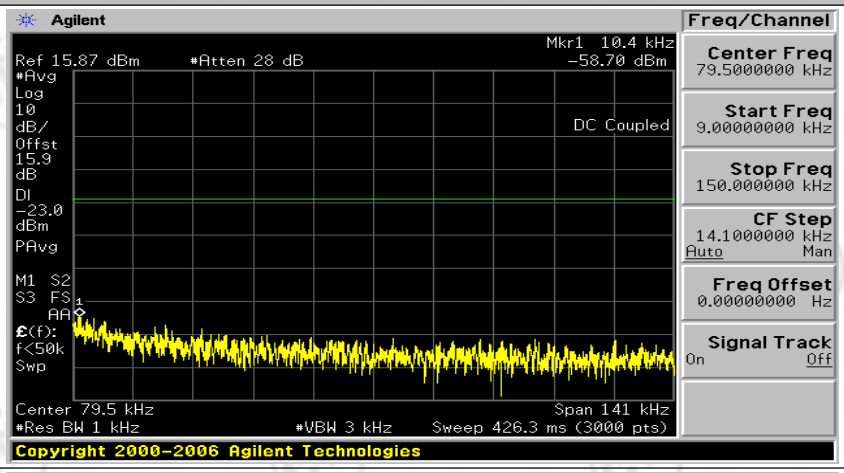
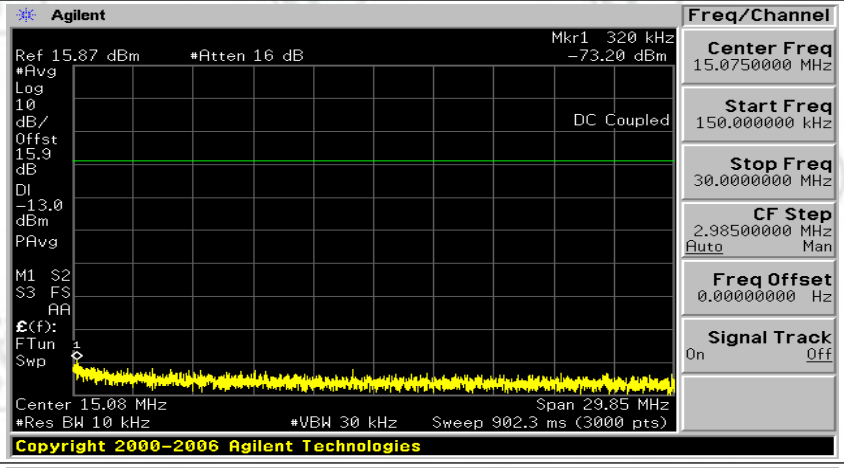
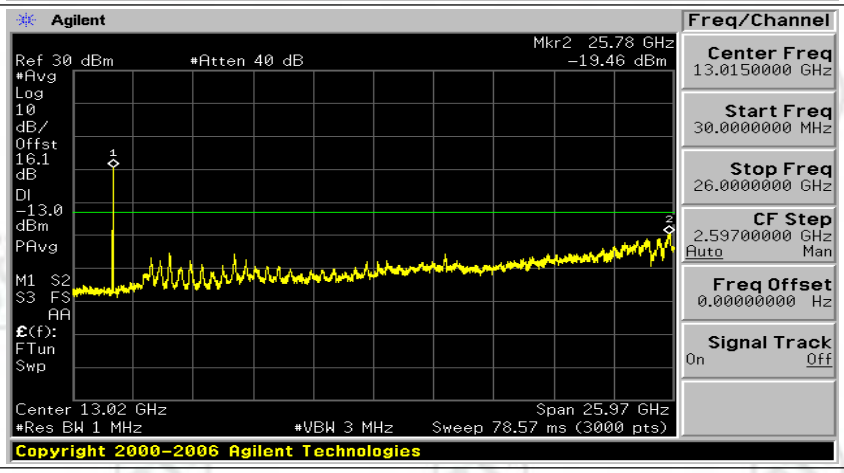






(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7




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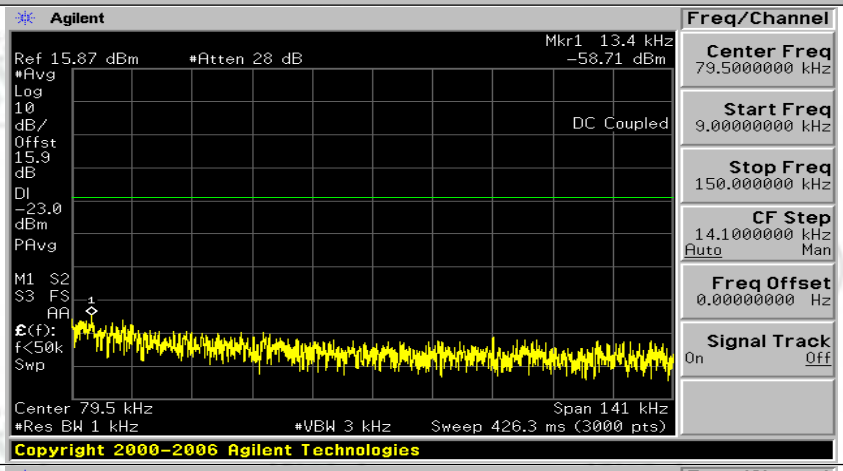
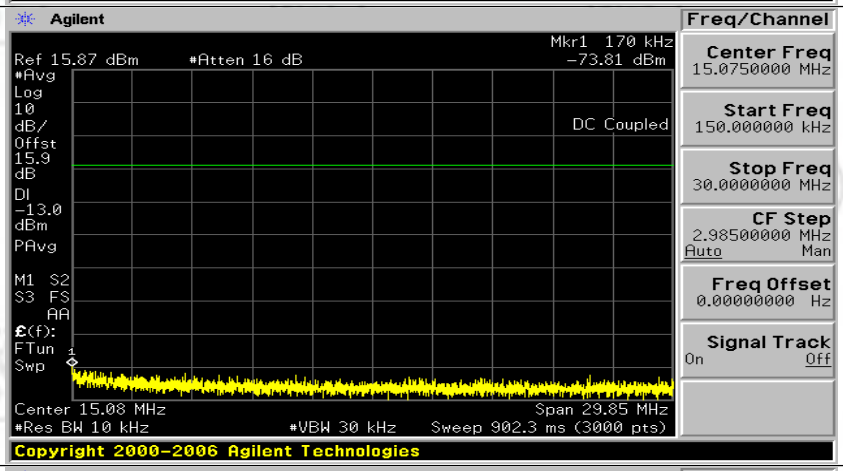
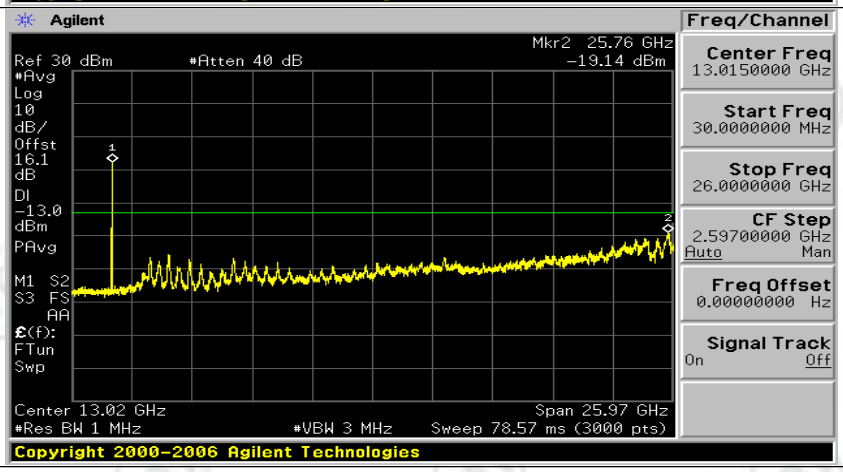
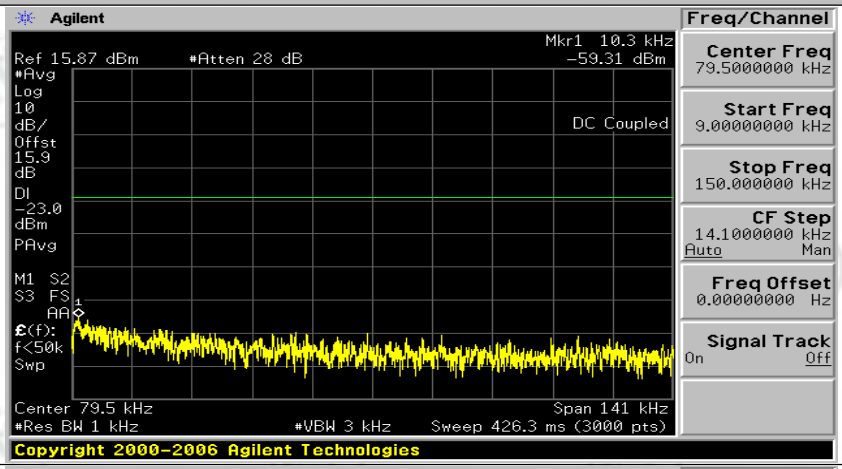
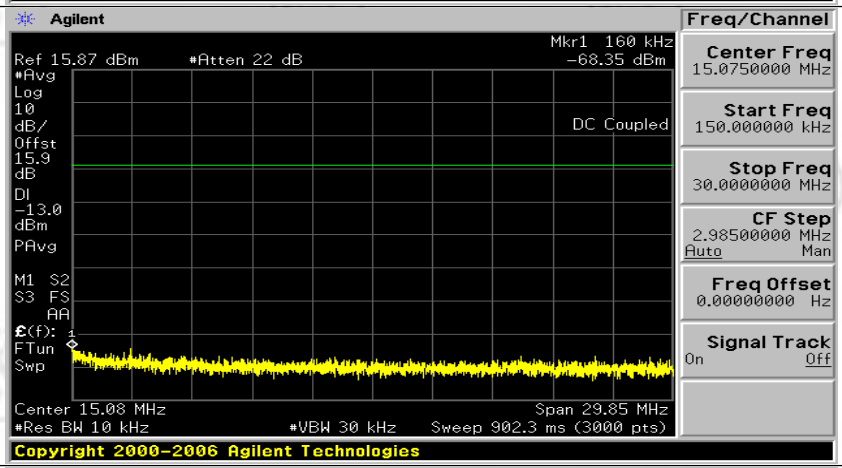


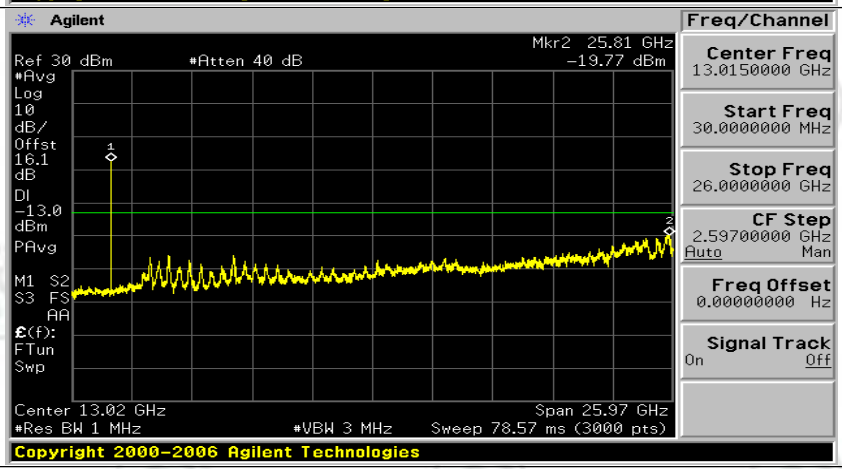




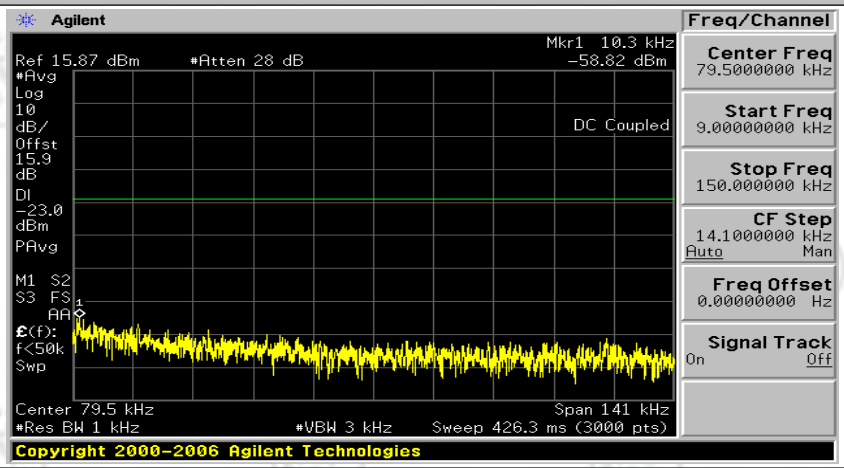
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

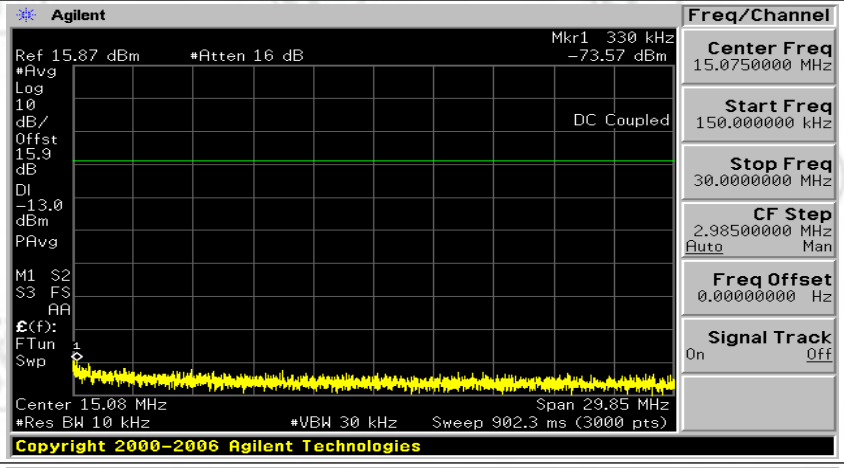


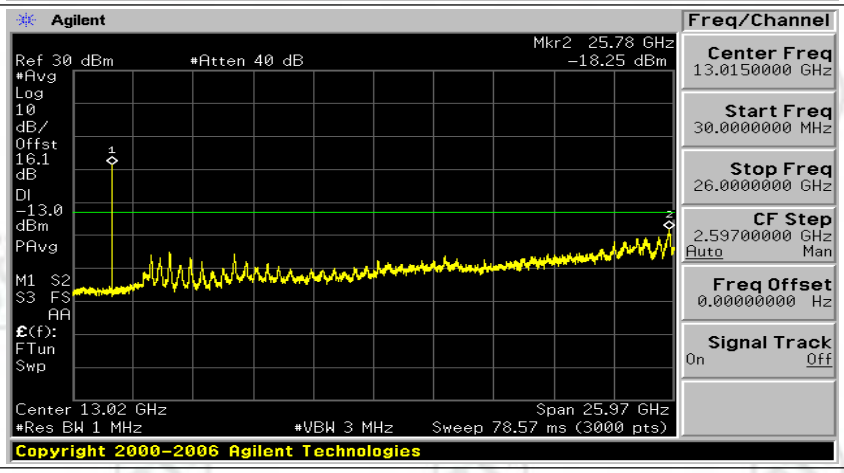




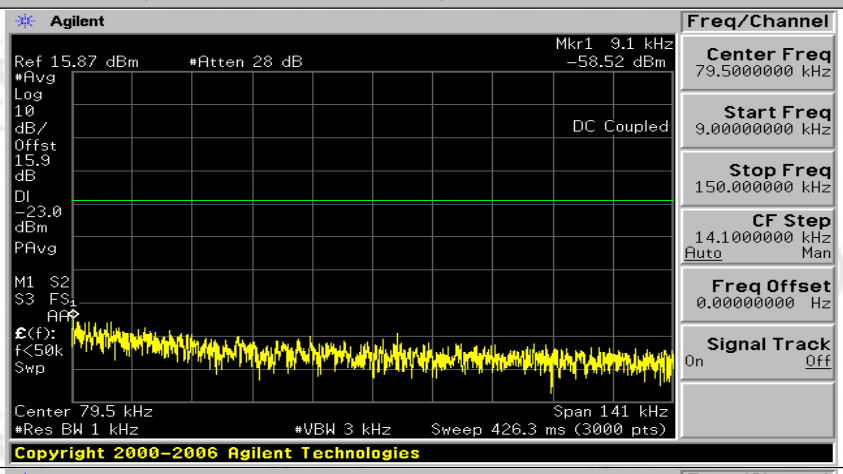
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

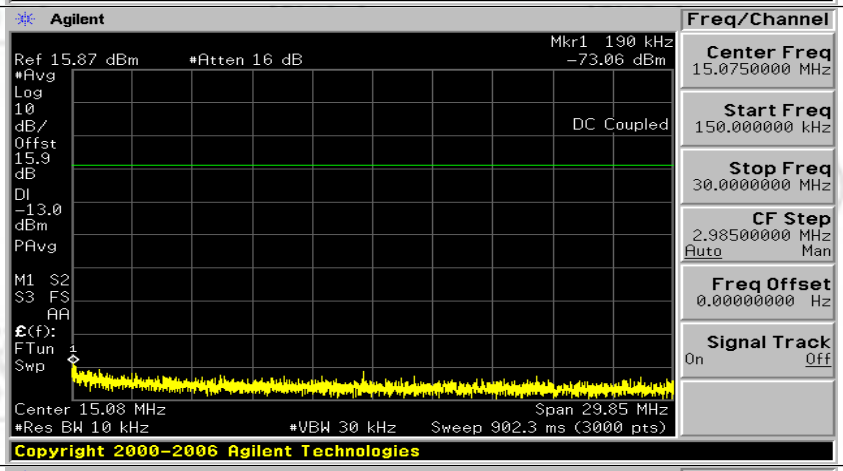


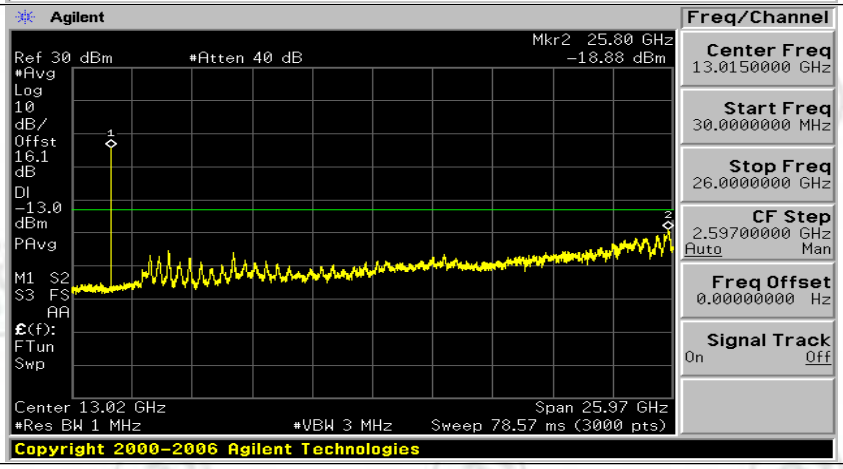




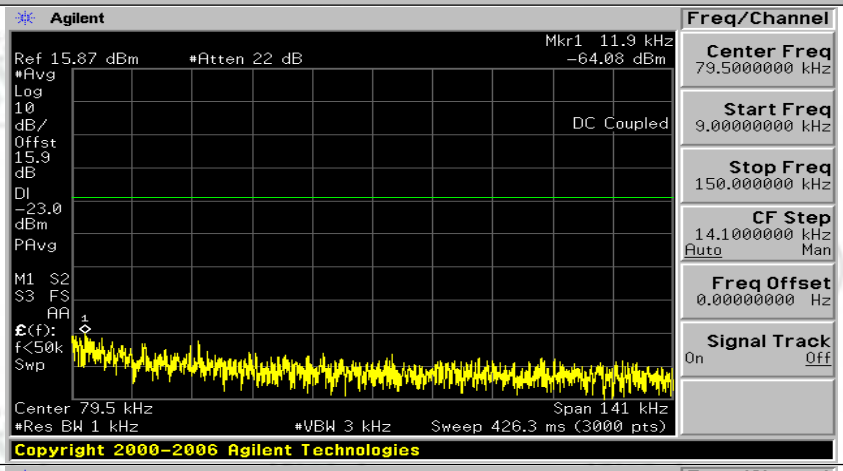
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

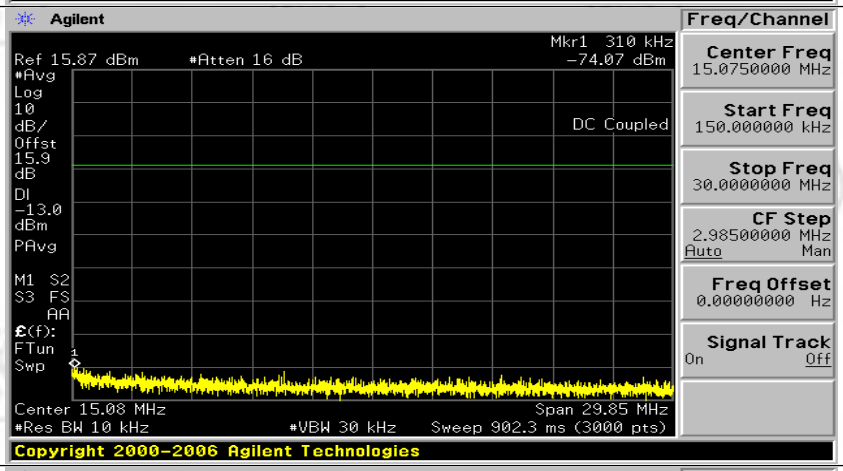


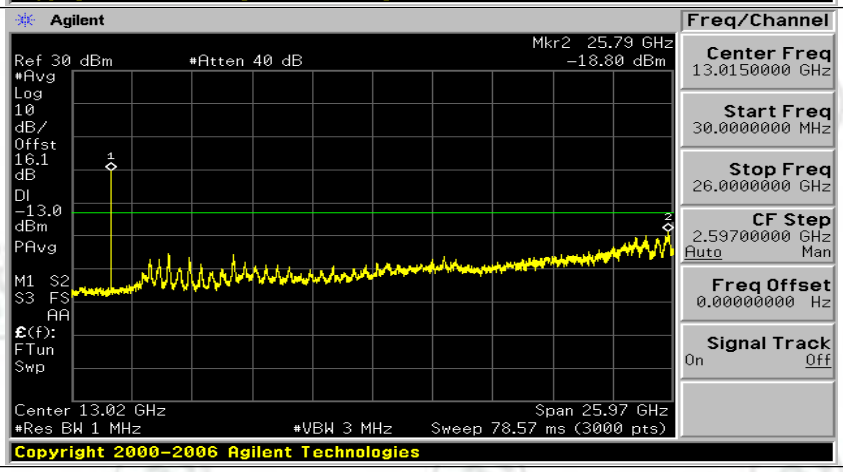




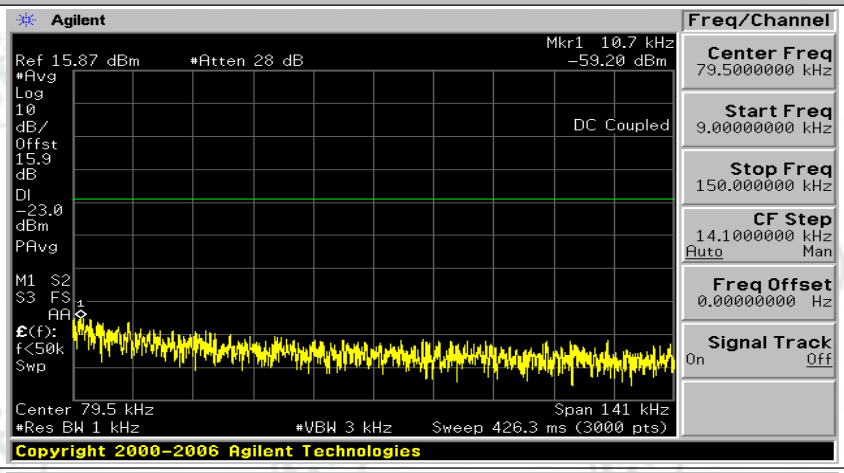
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

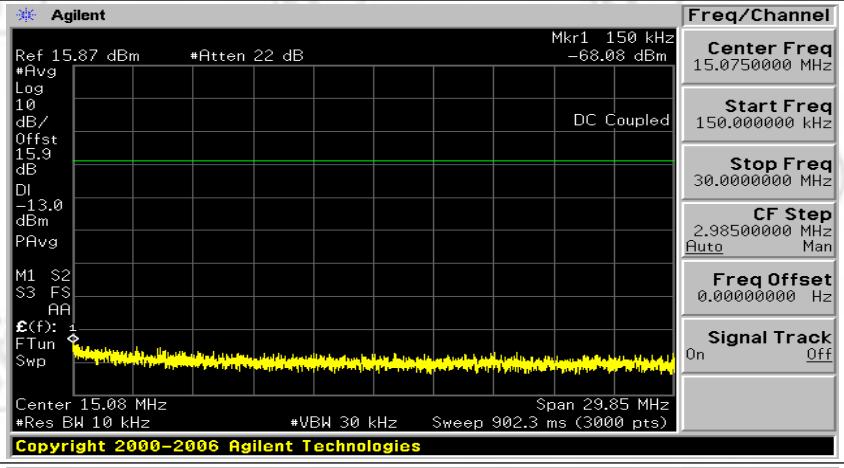


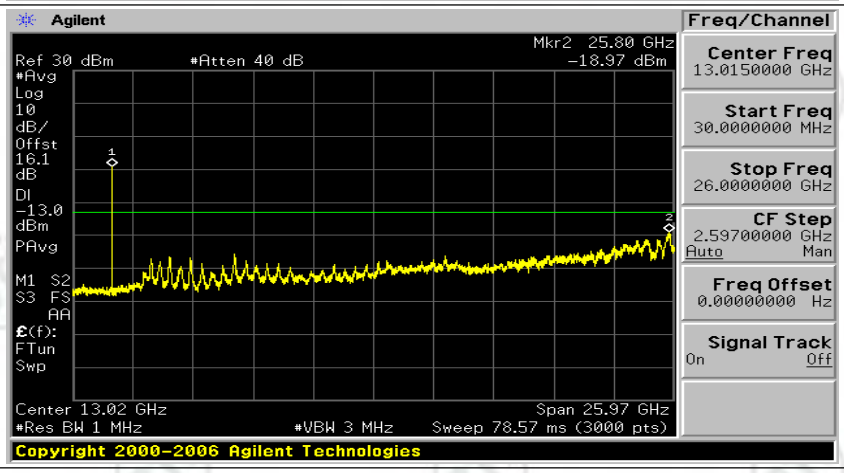




(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7







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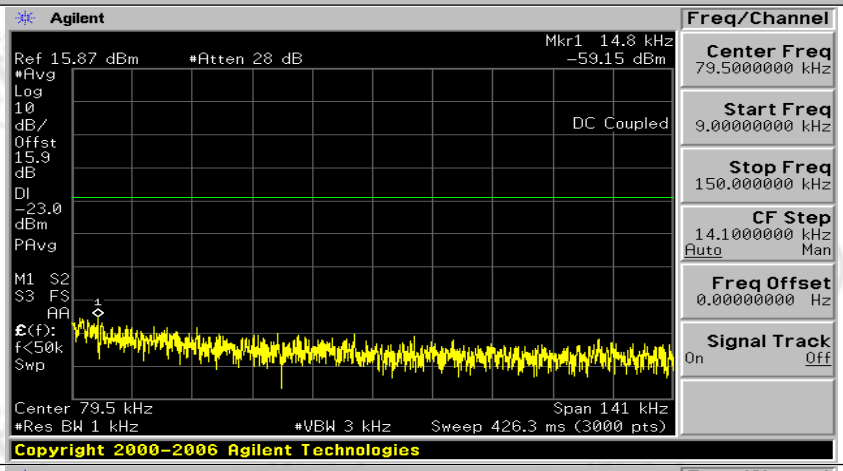
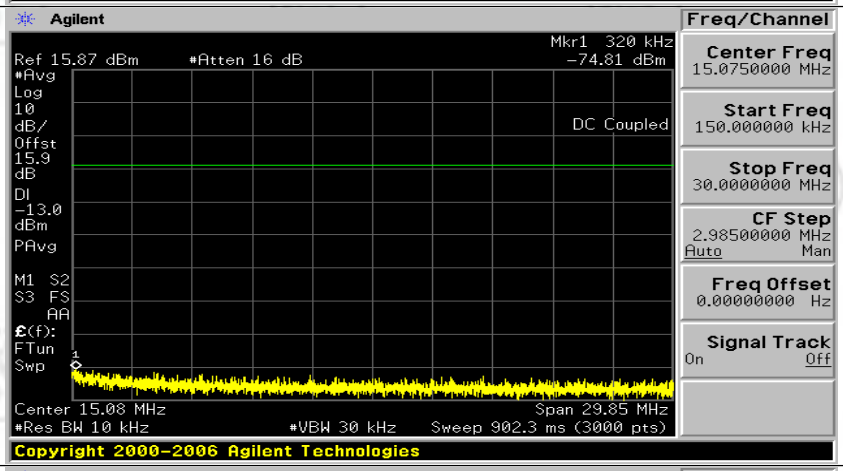
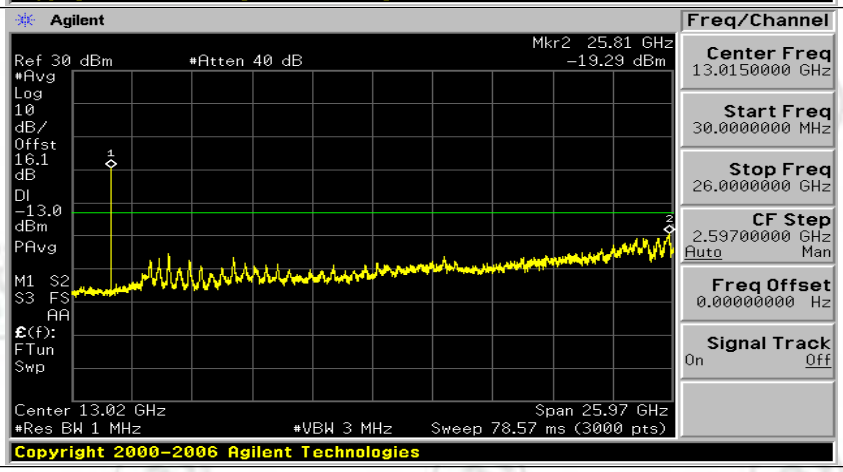
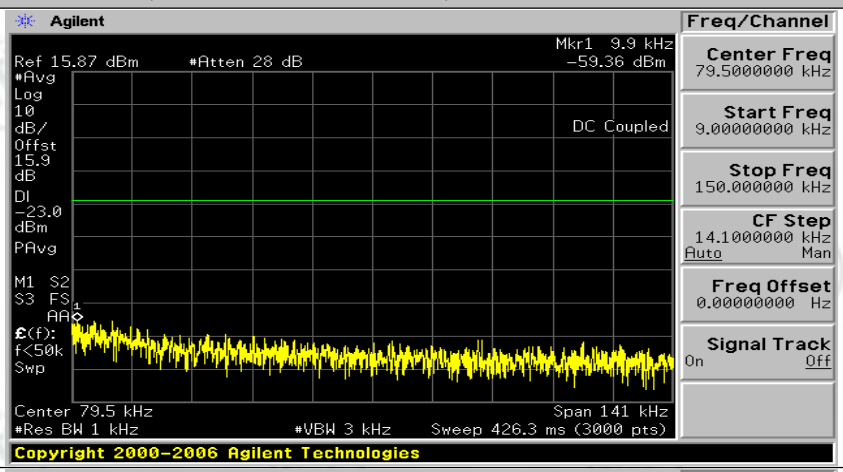
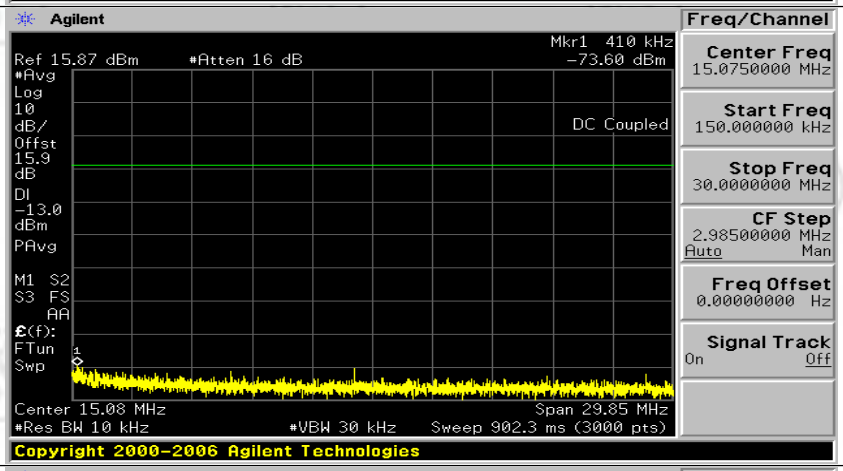
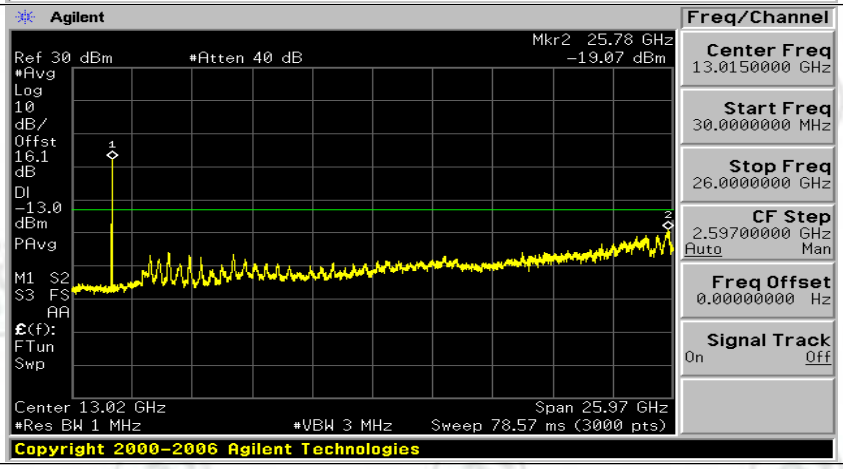
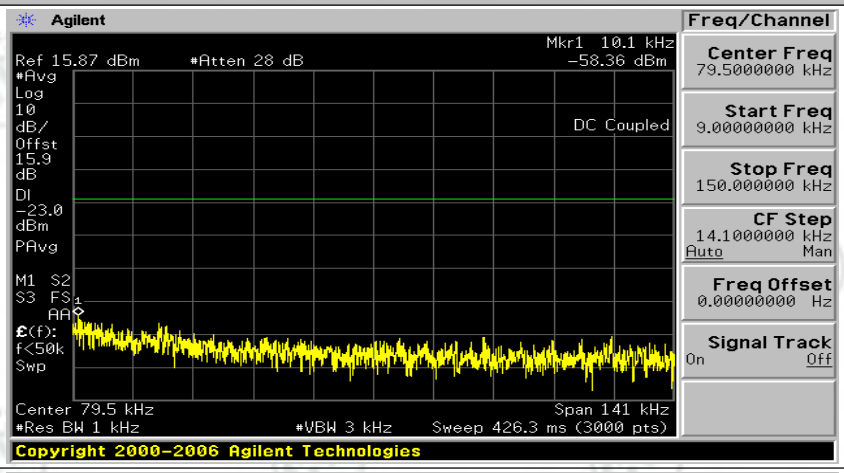
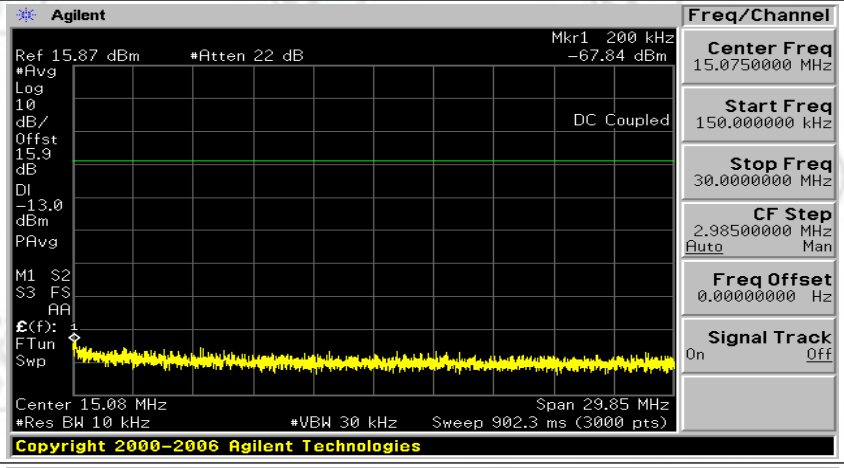
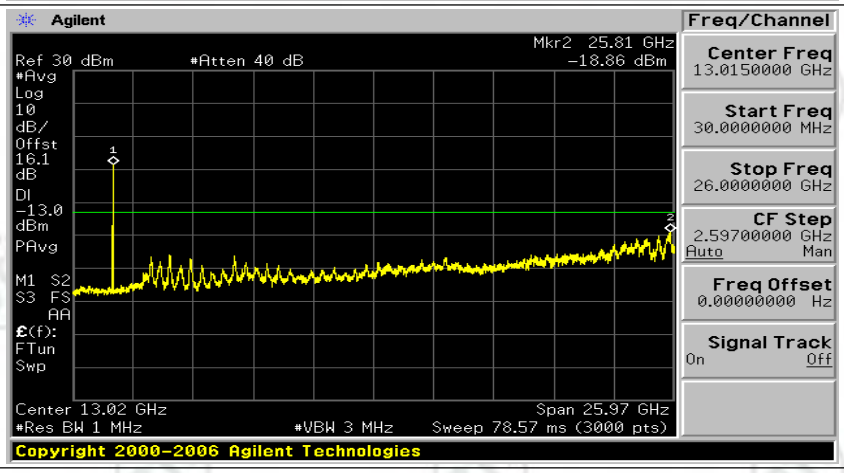




(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0




(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7




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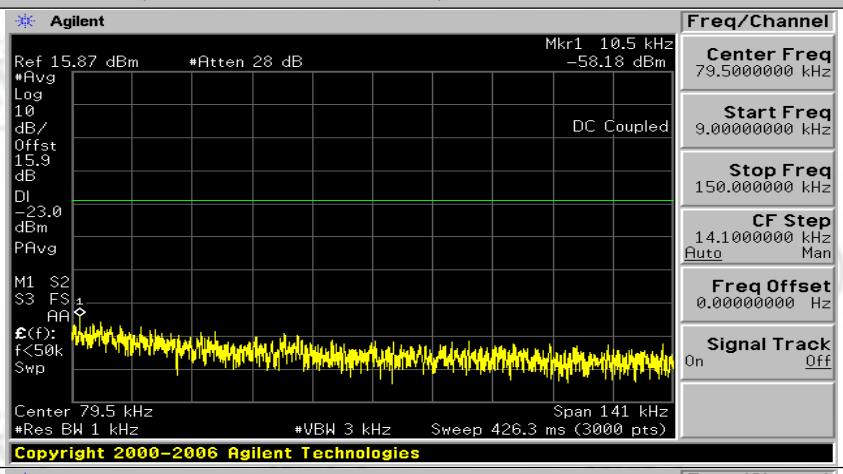
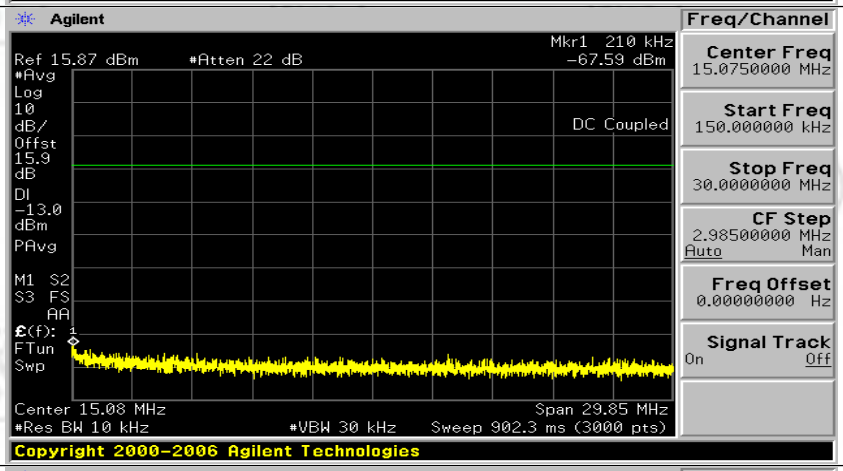
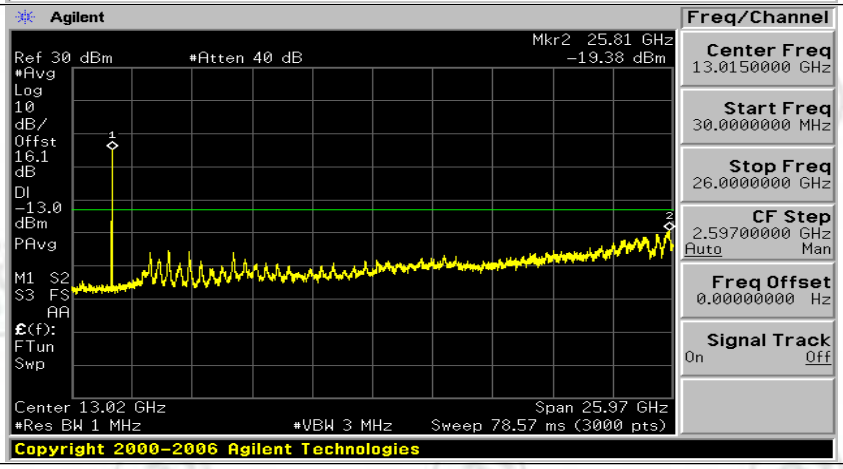
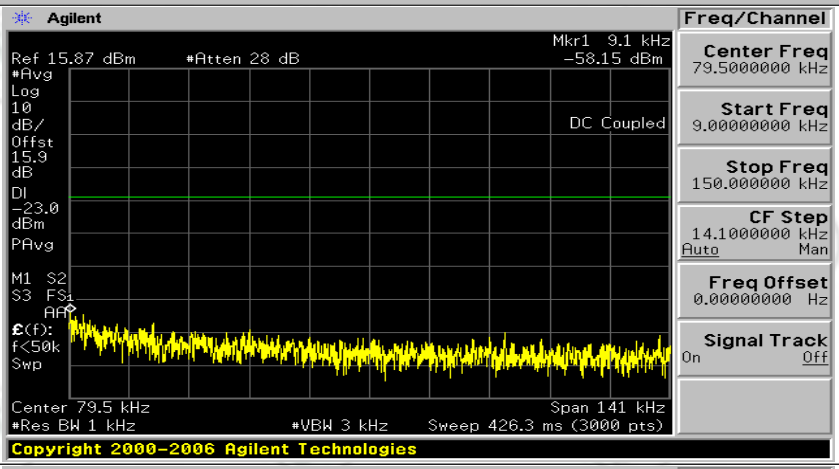
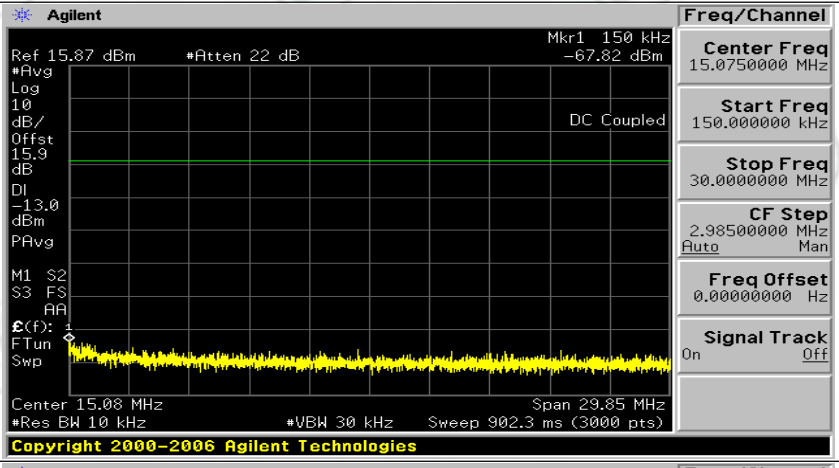
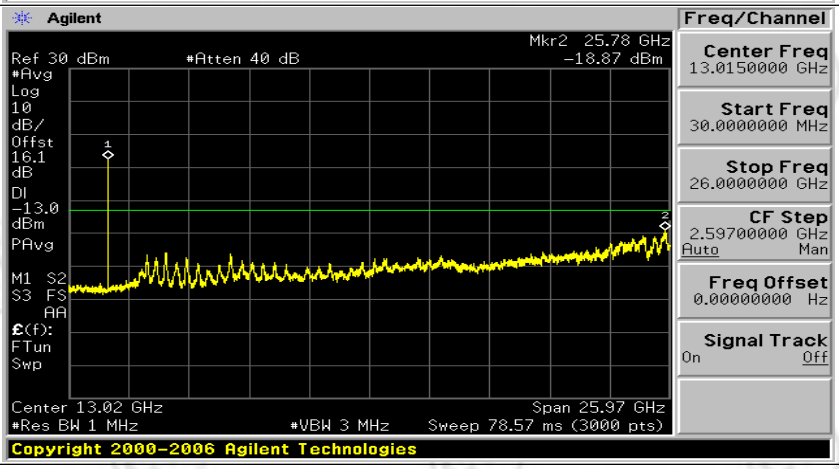




Channel Bandwidth: 5 MHz

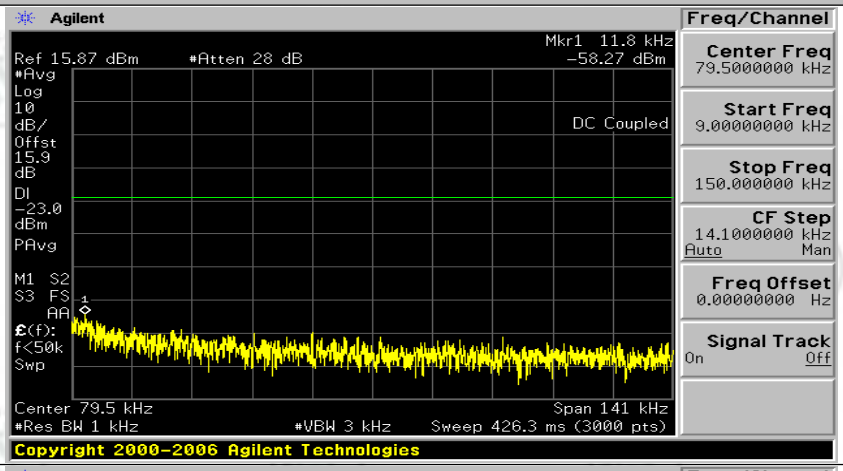
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

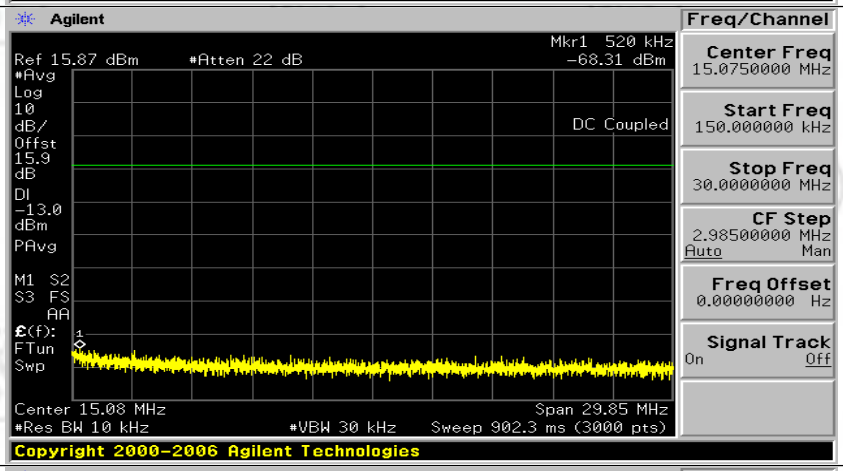


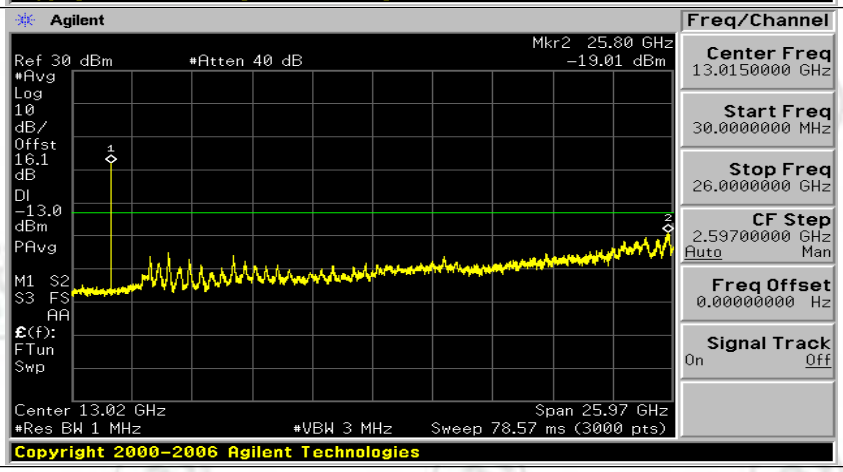




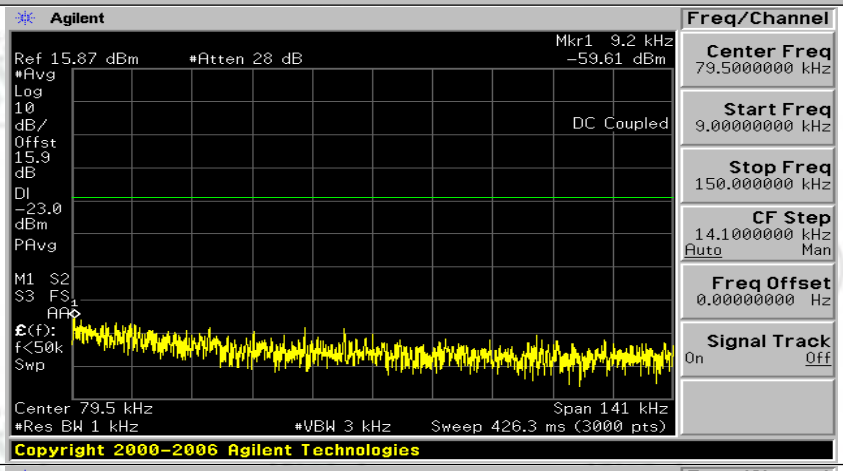
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

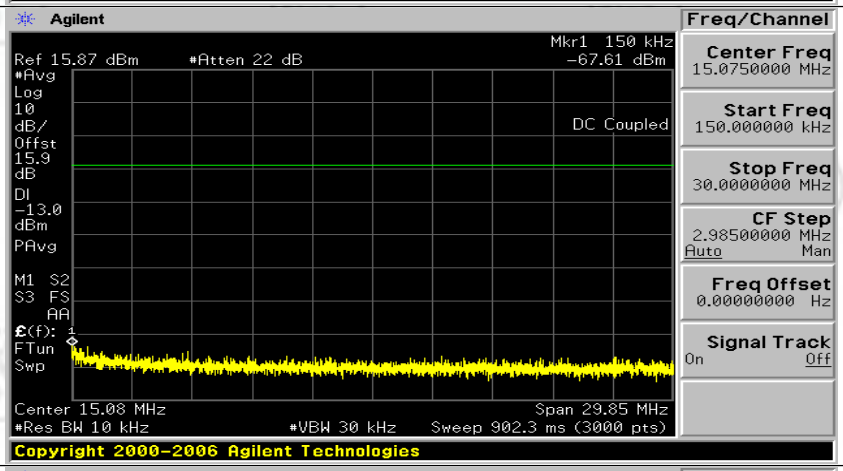


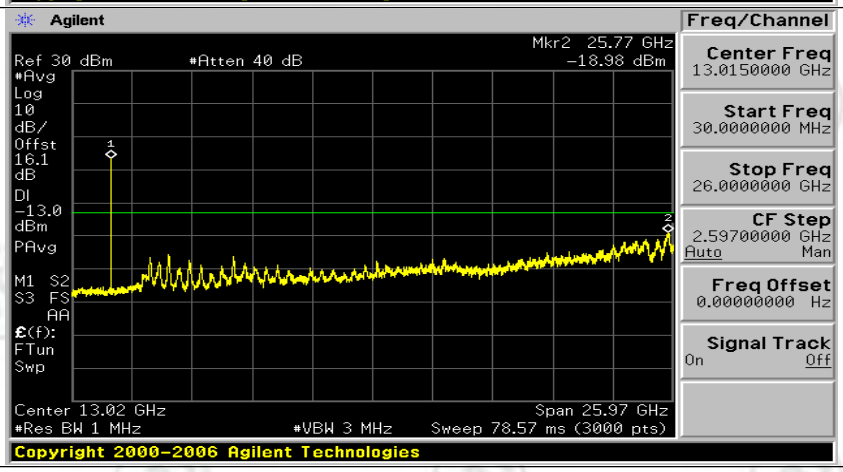




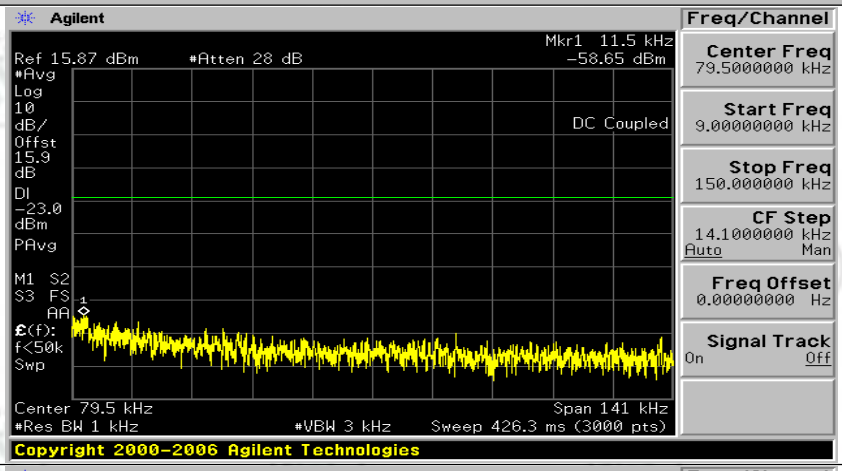
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

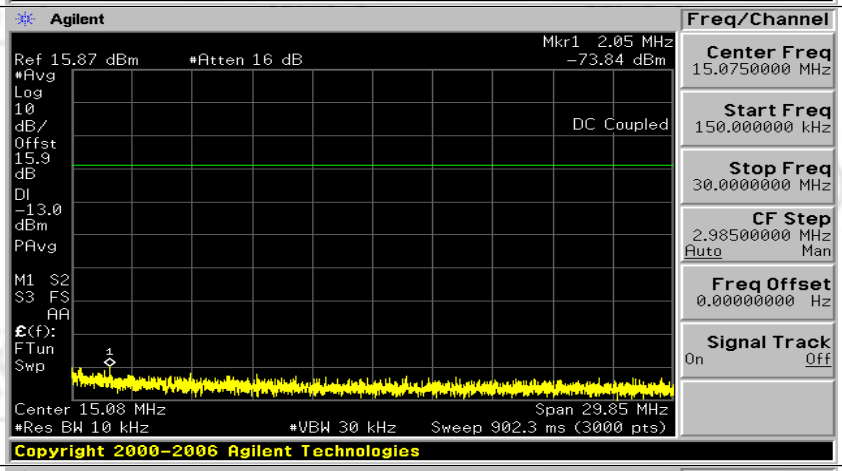


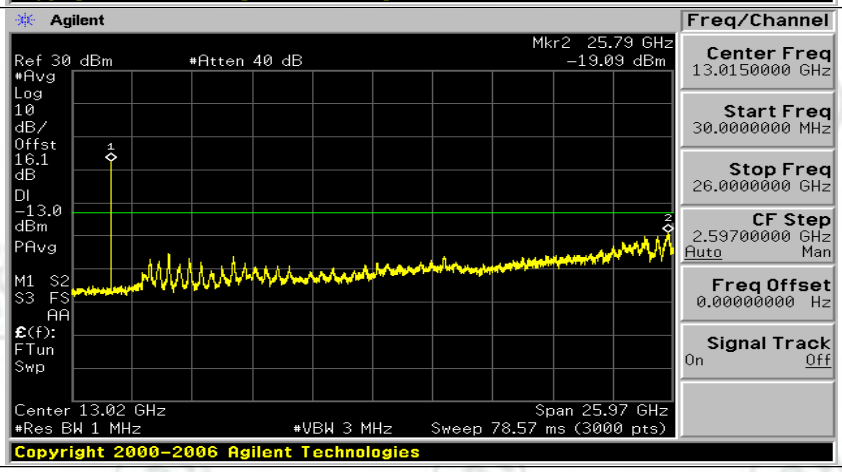




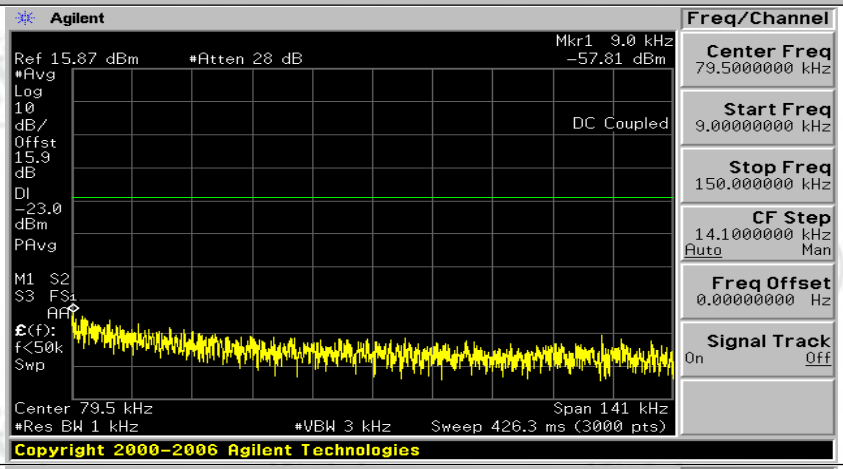
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

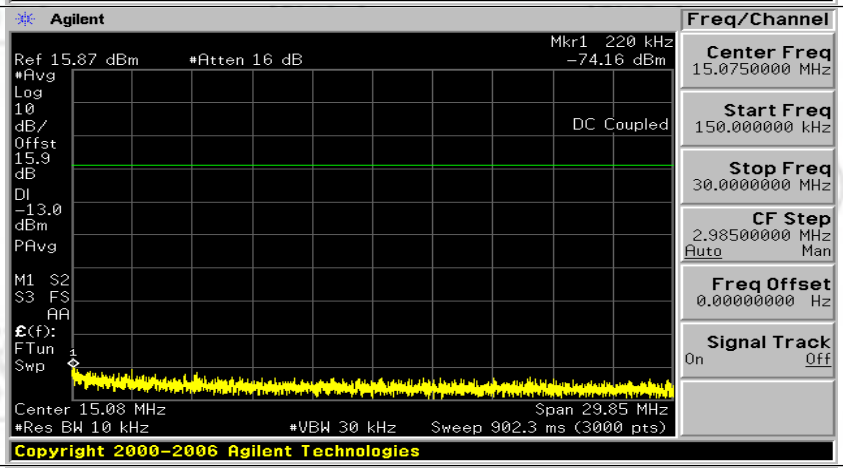


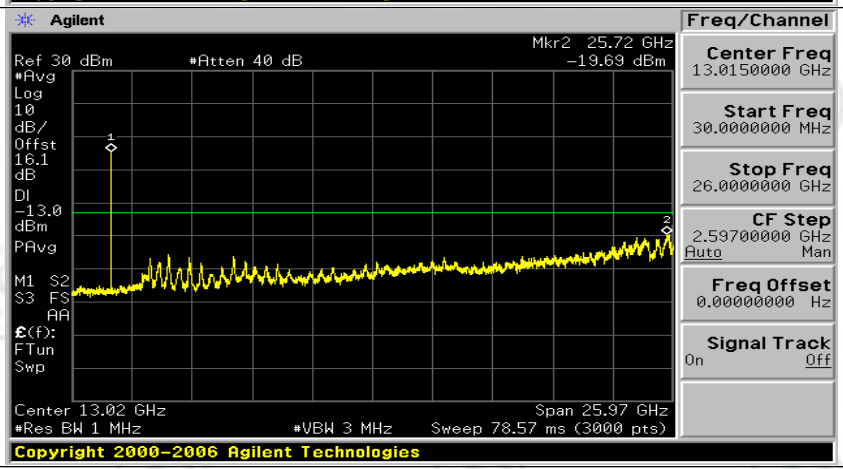




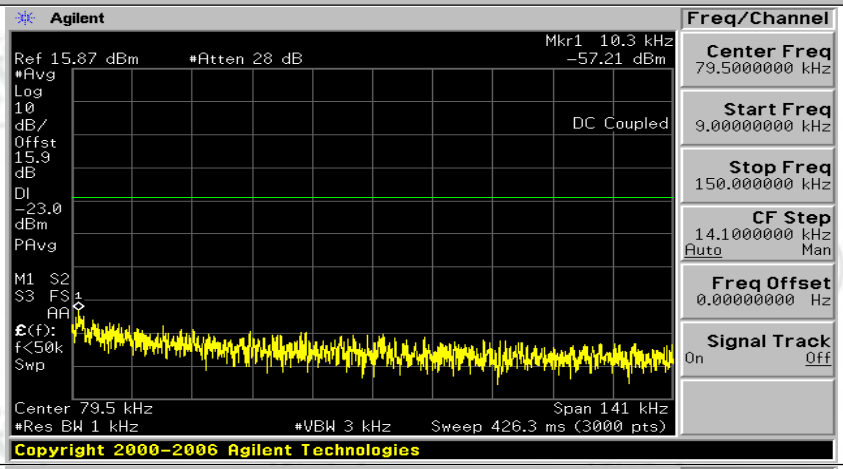
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

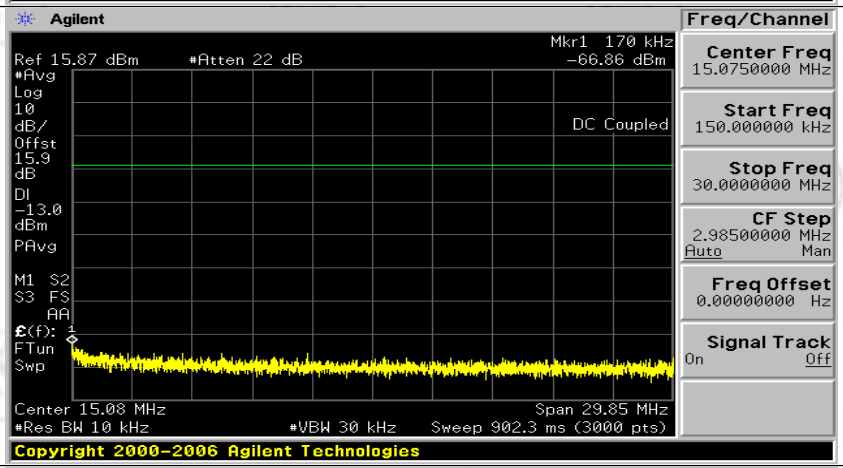


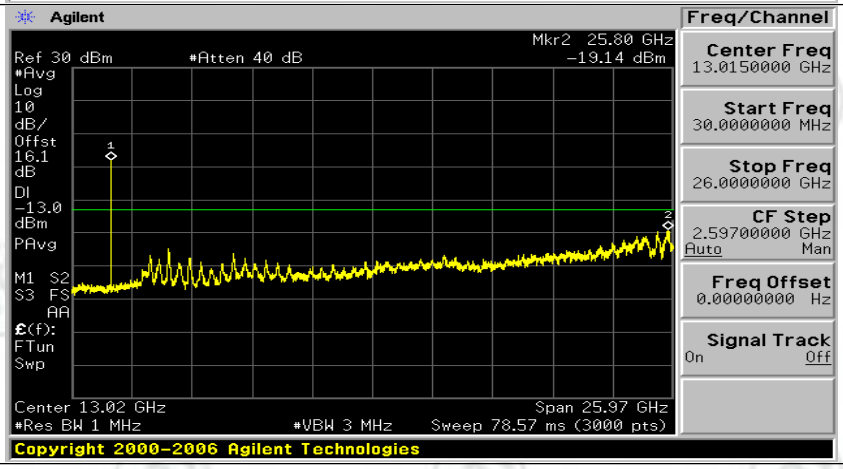




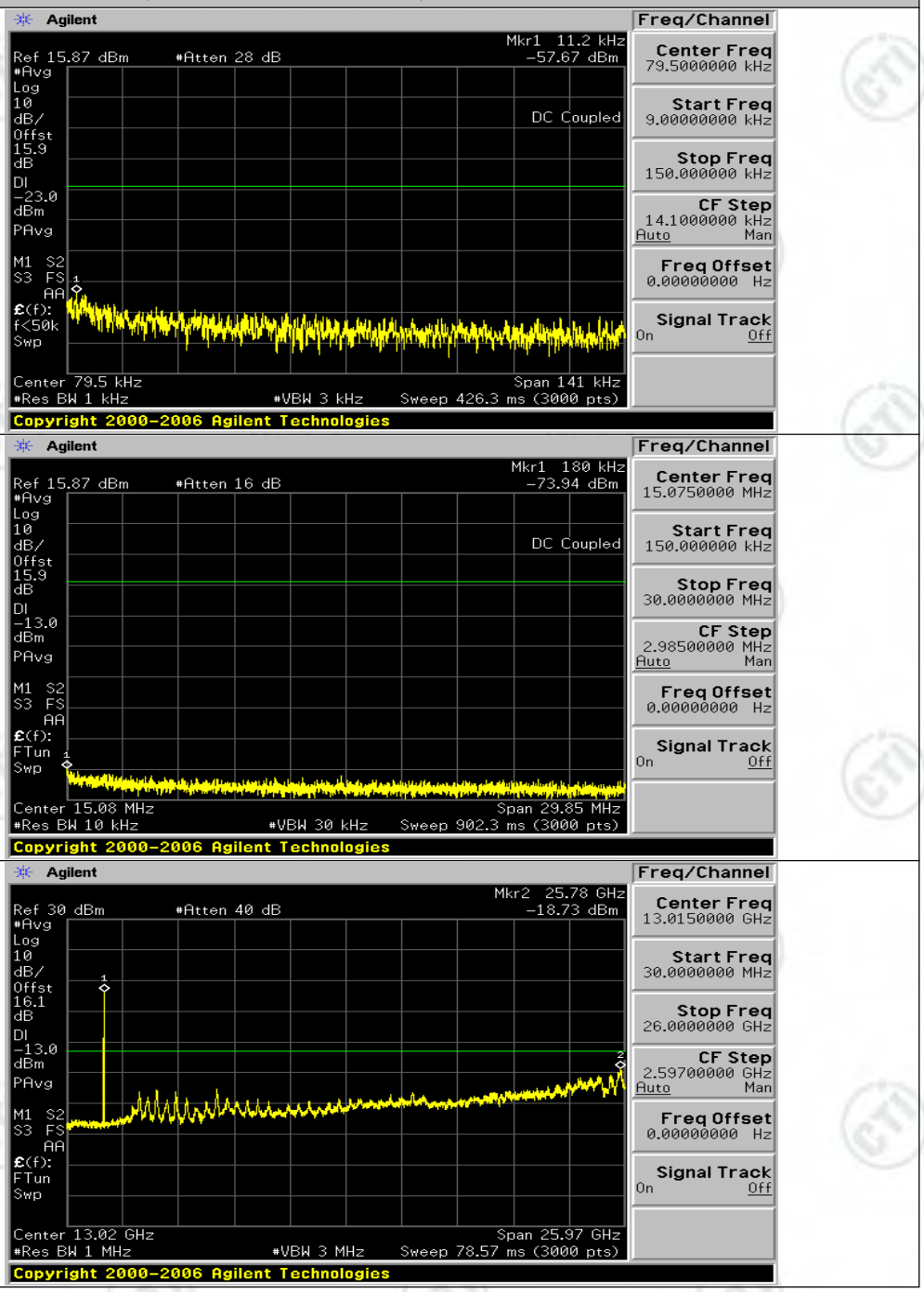
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



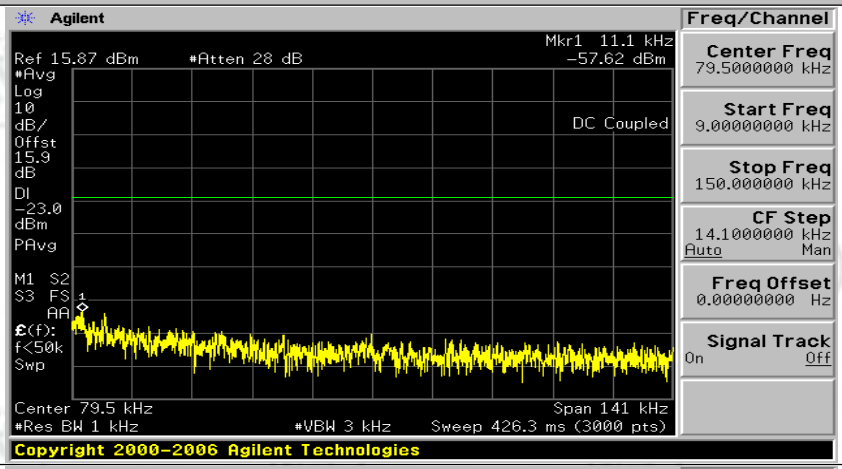


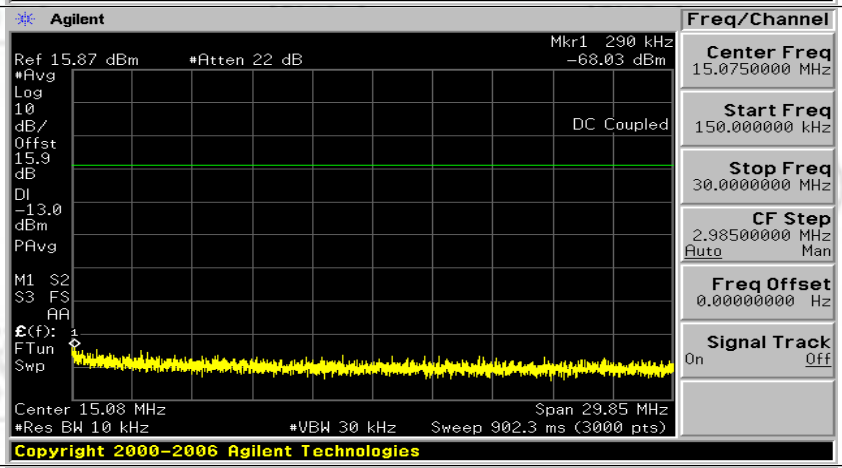


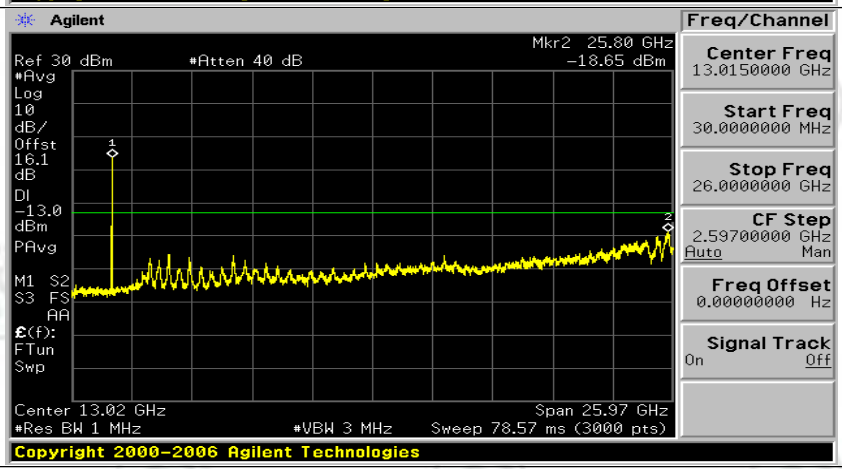
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



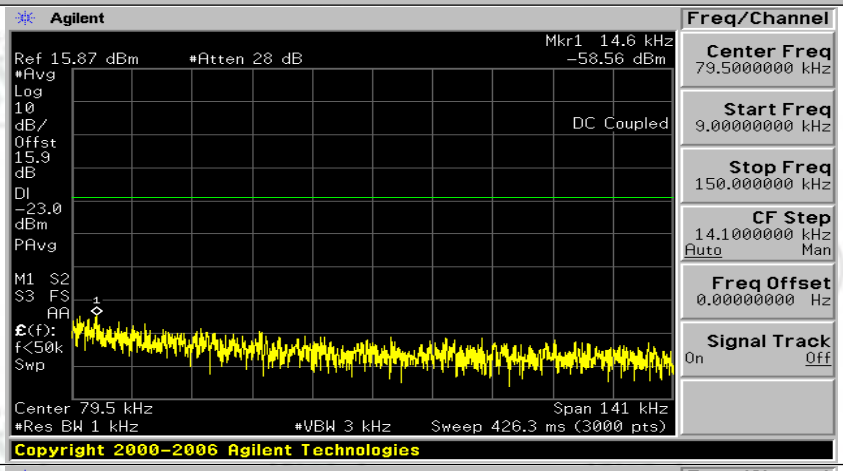
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

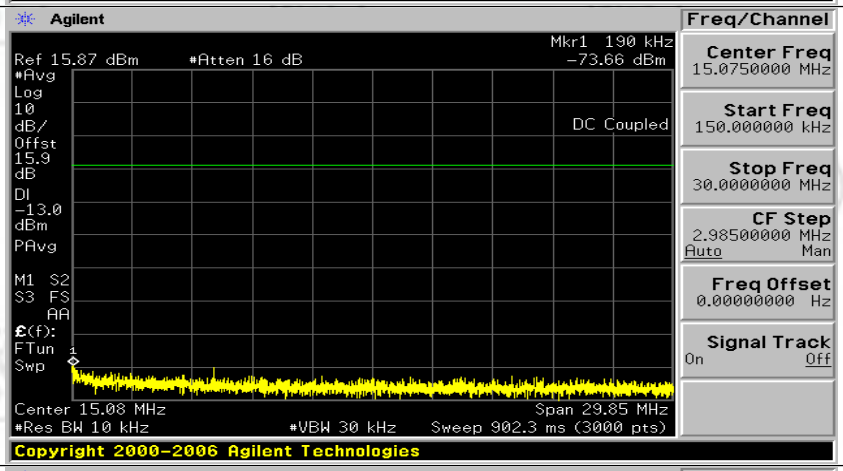


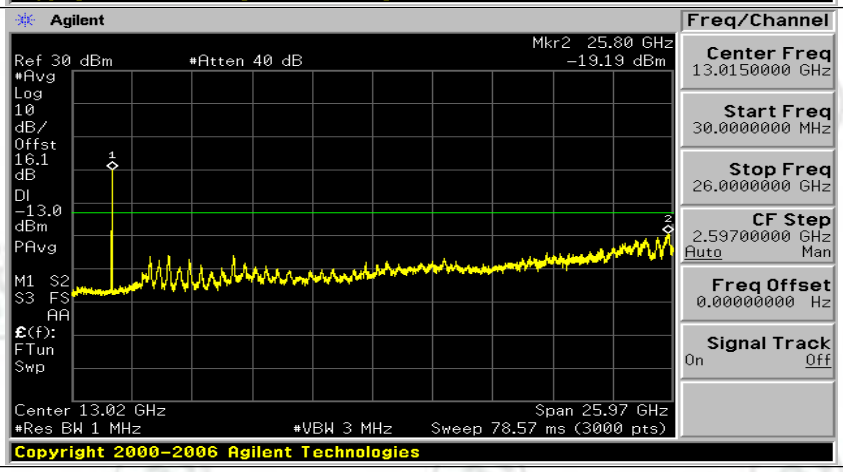




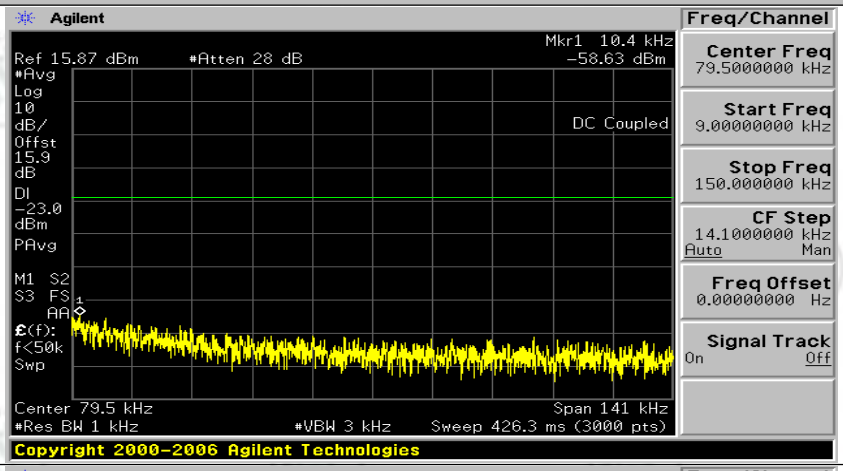
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

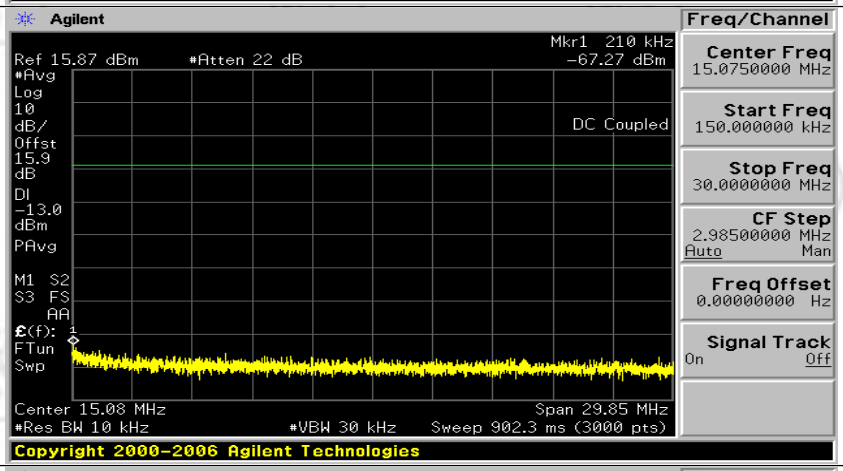


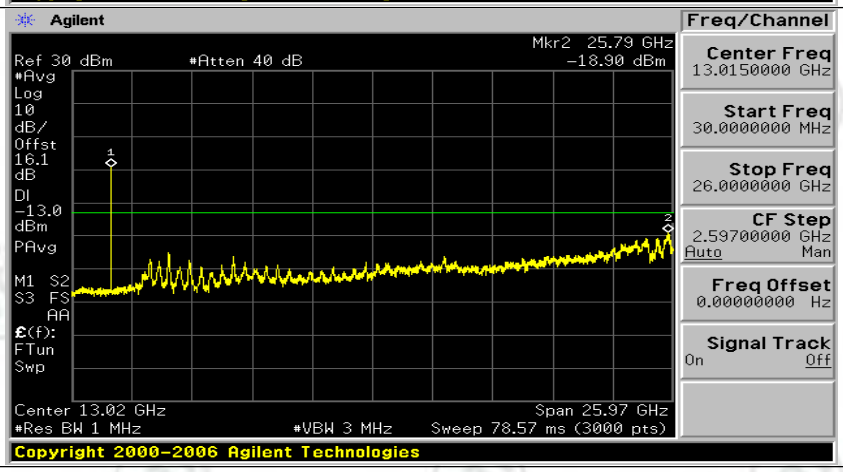




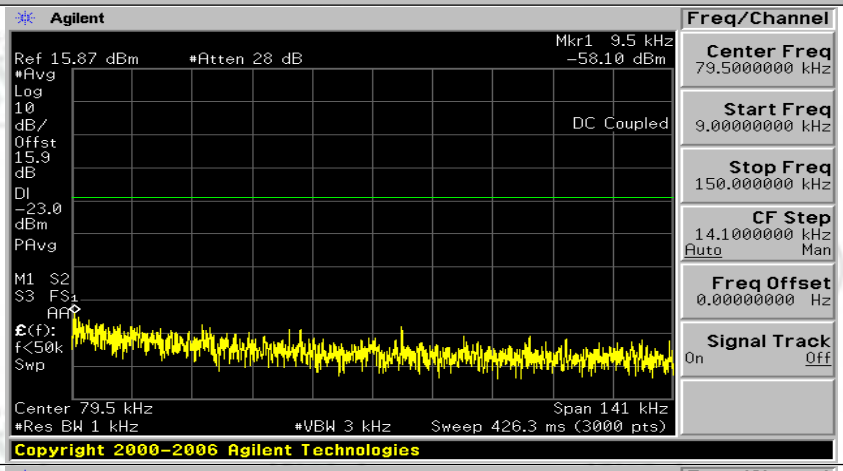
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

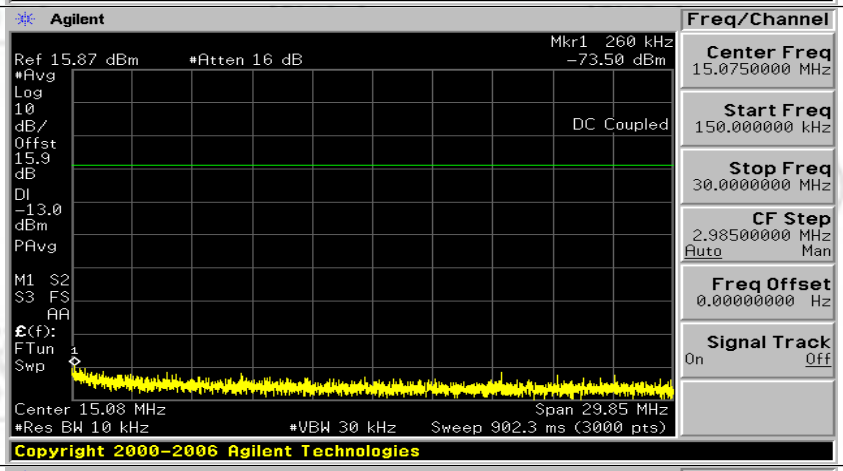


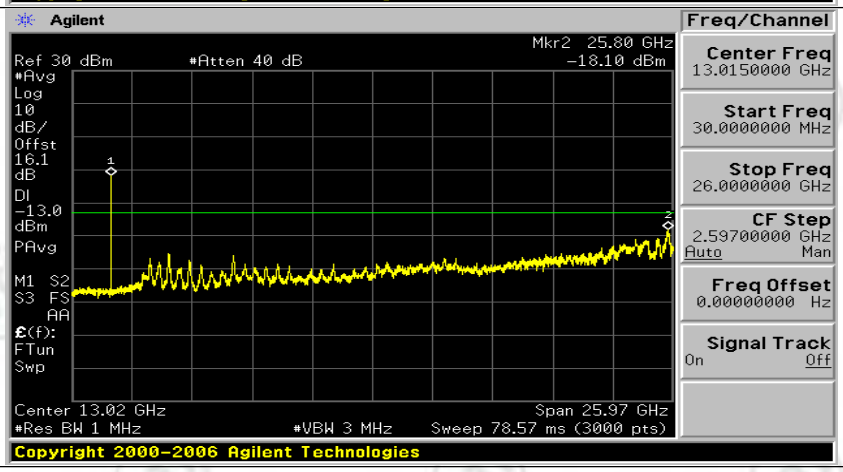


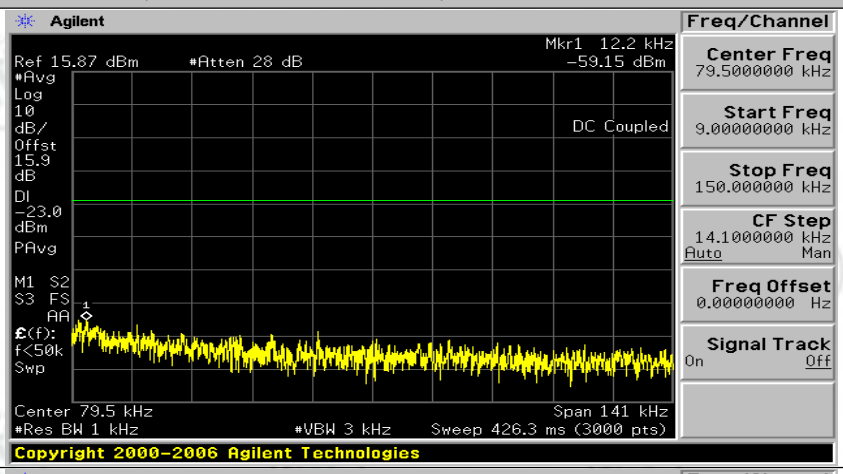
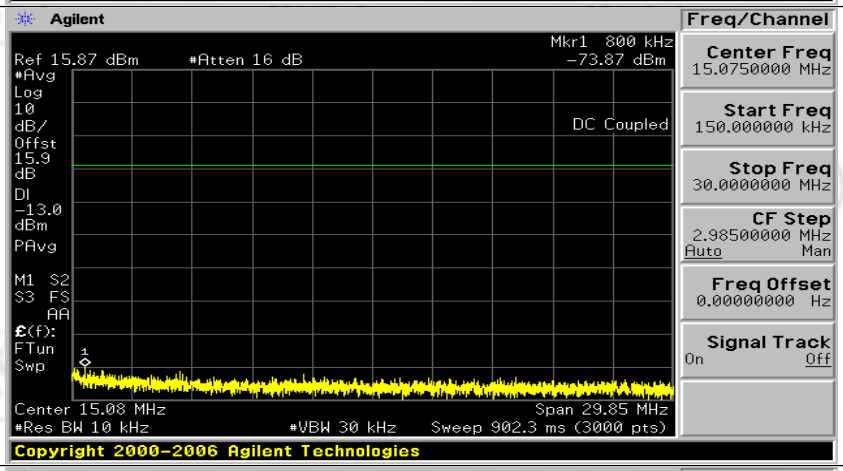
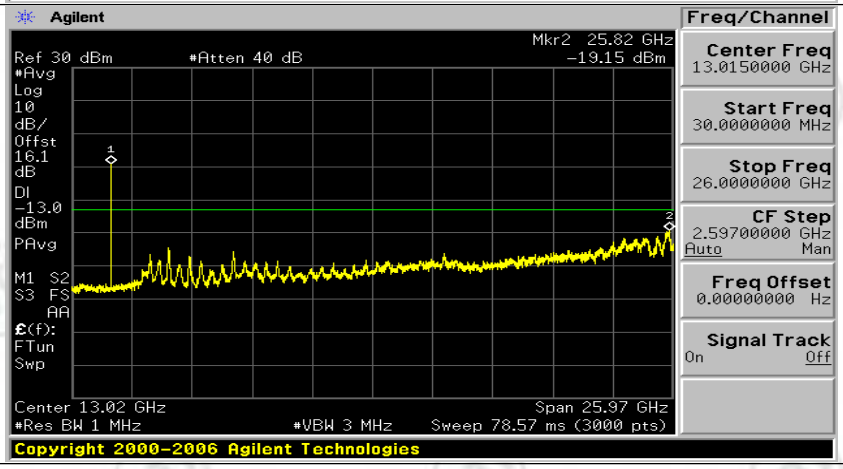


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

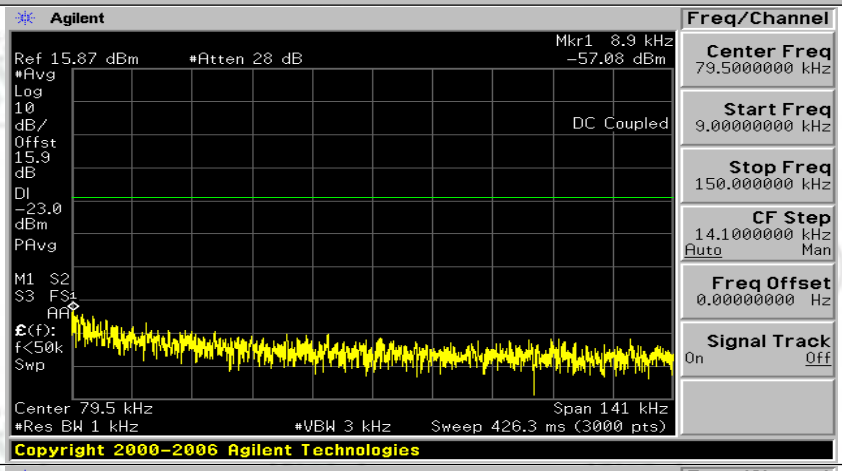


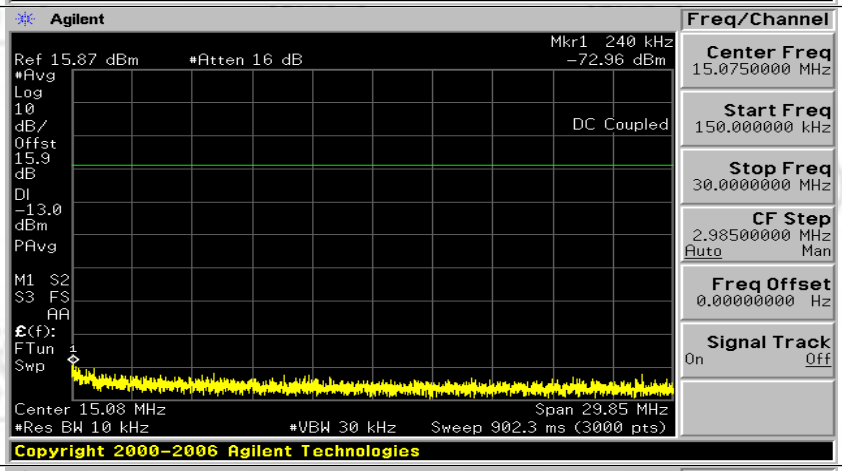


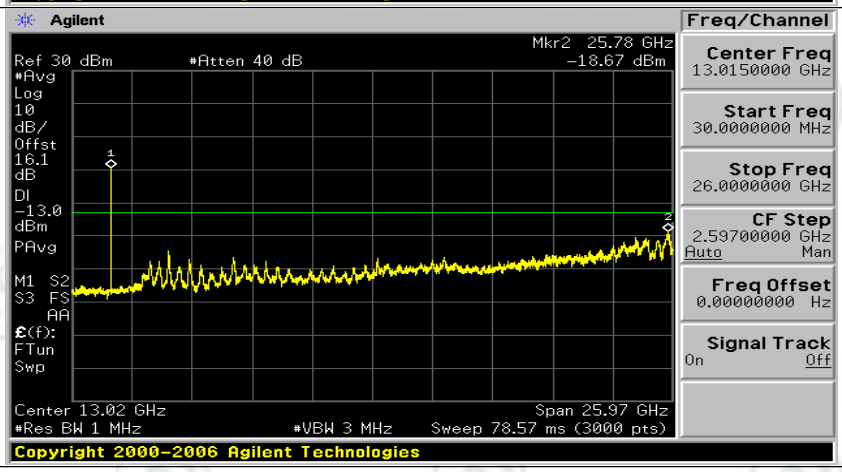


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24




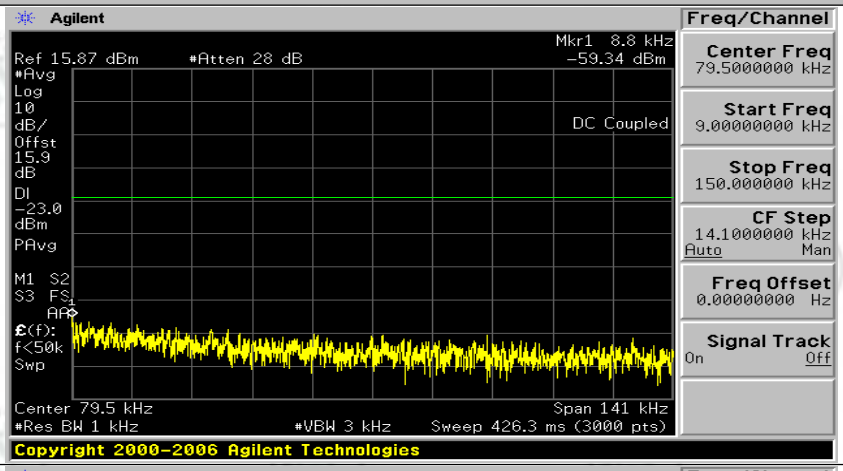
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

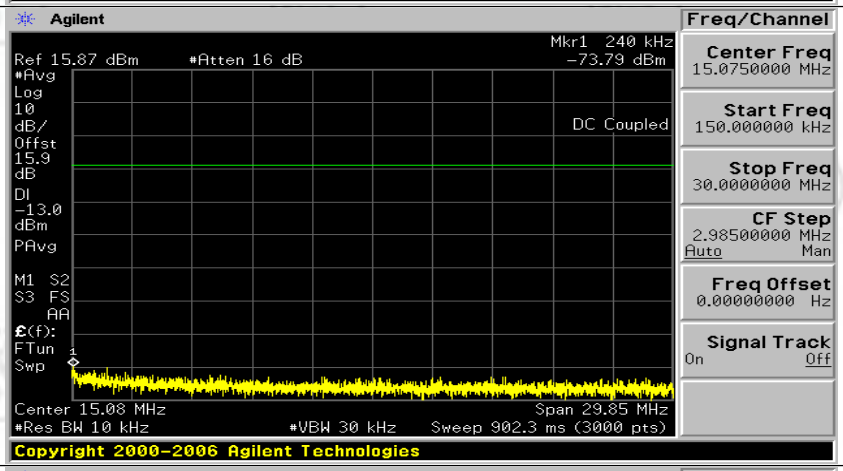


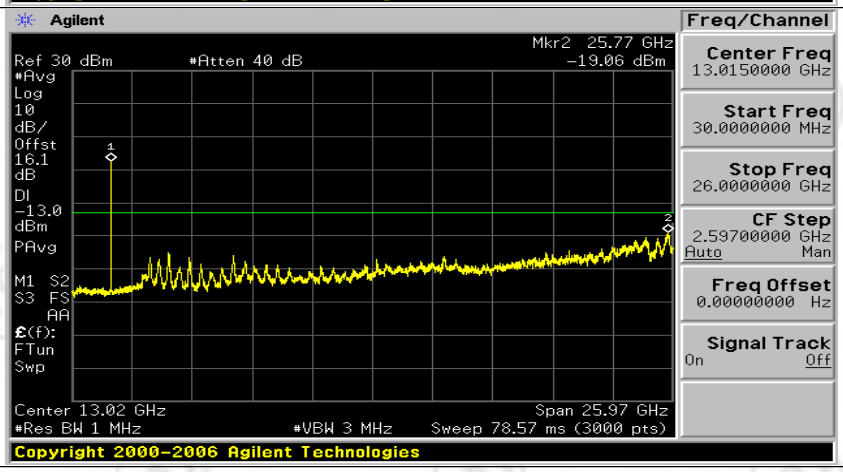




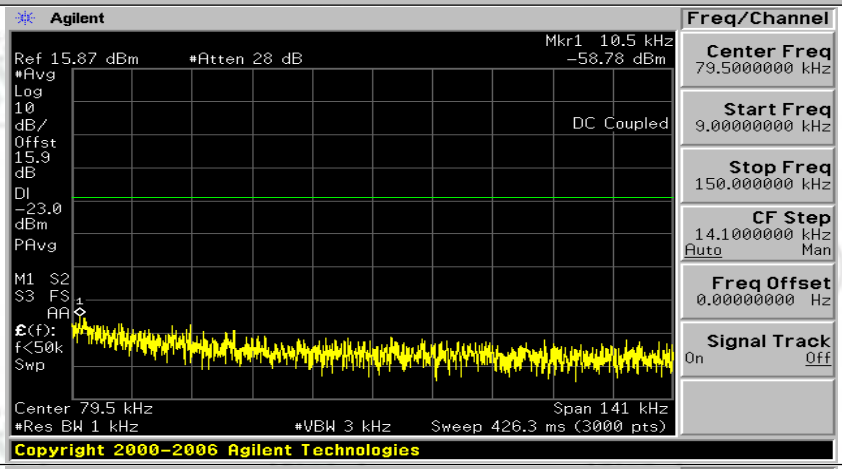
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

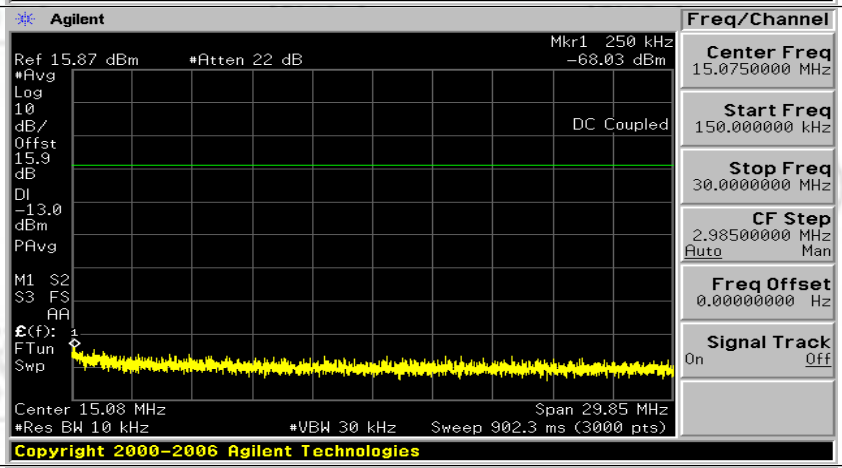


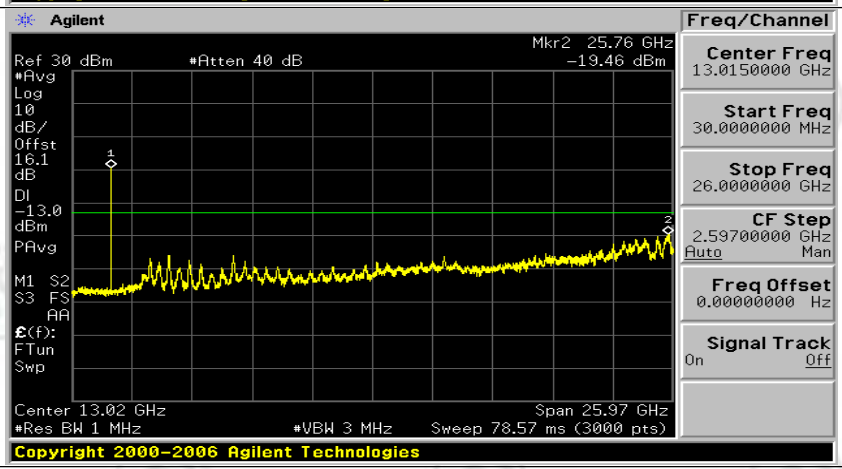




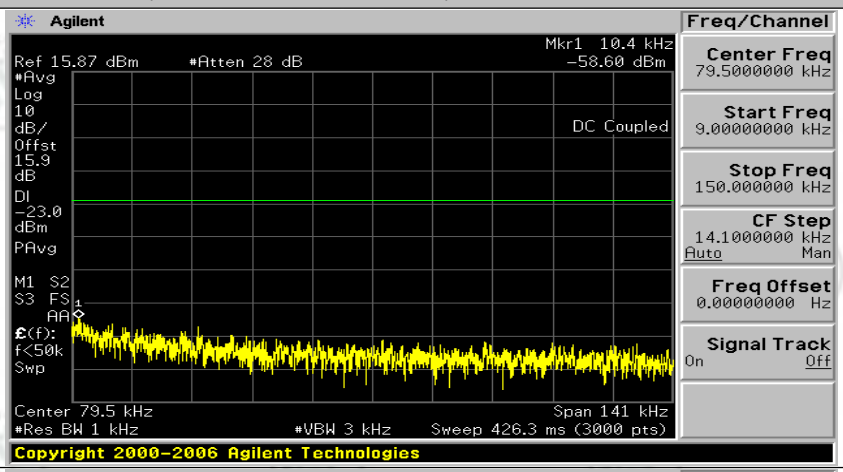
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

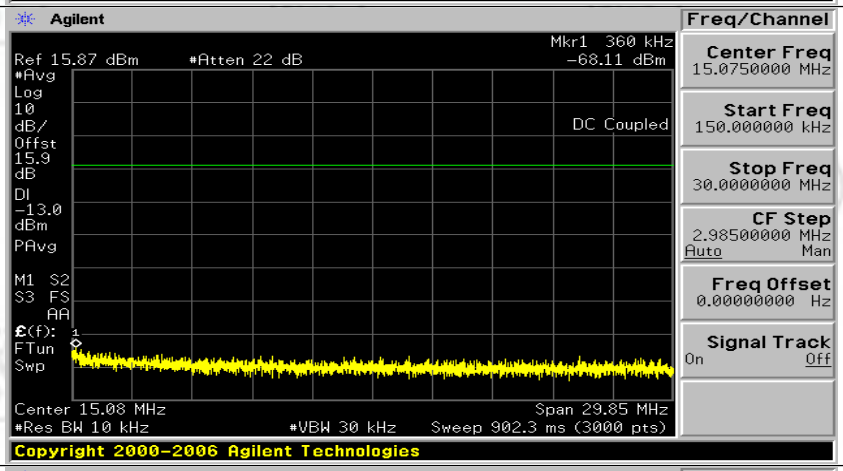


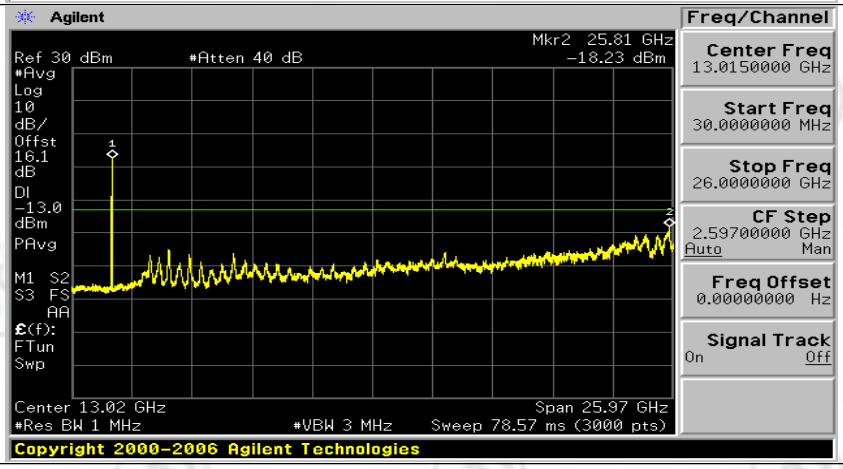




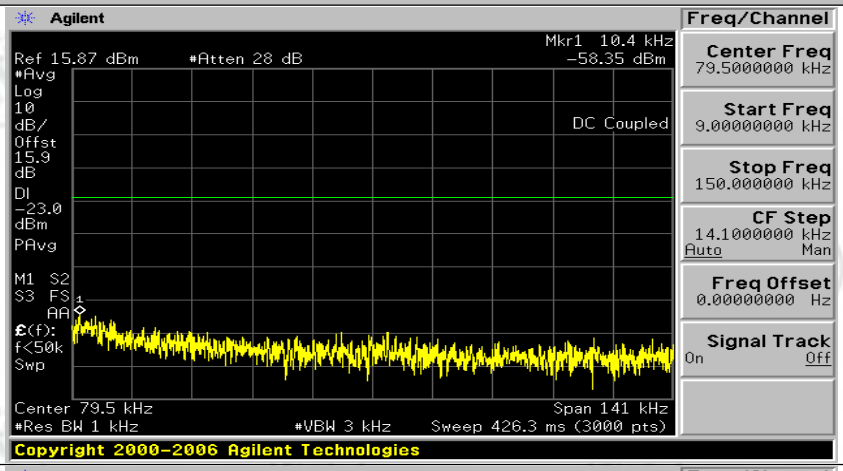
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

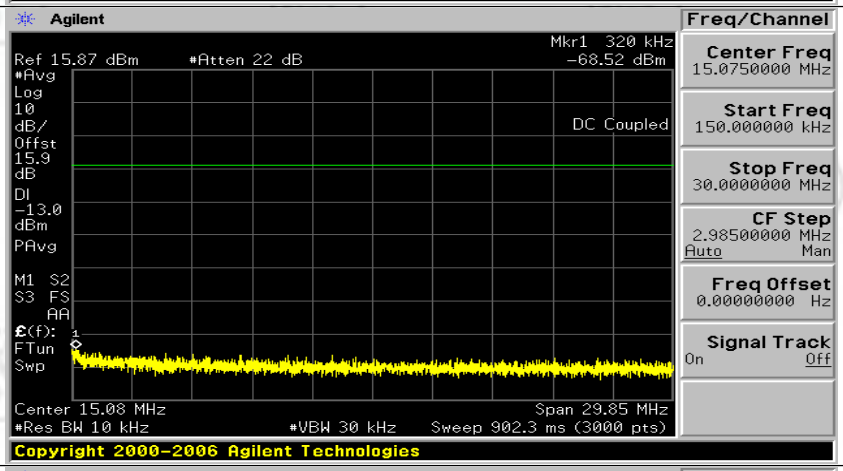


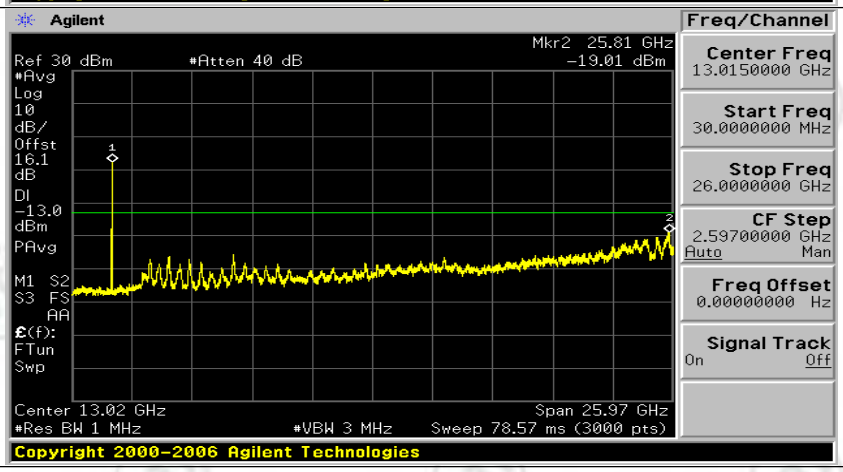




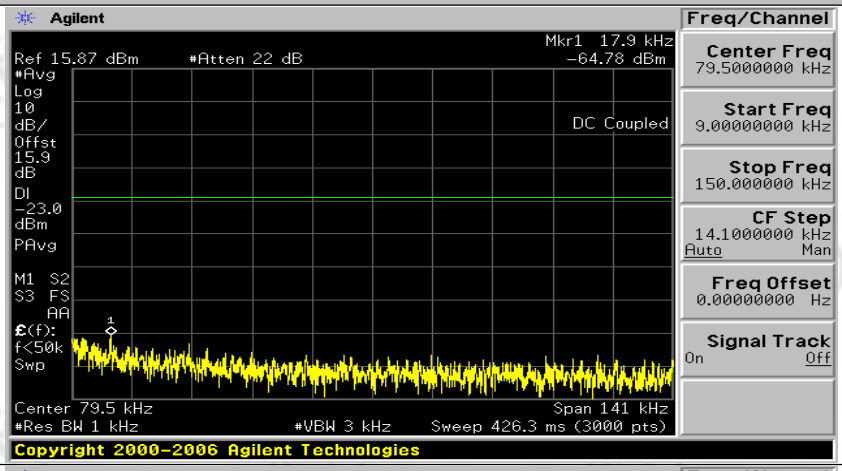
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

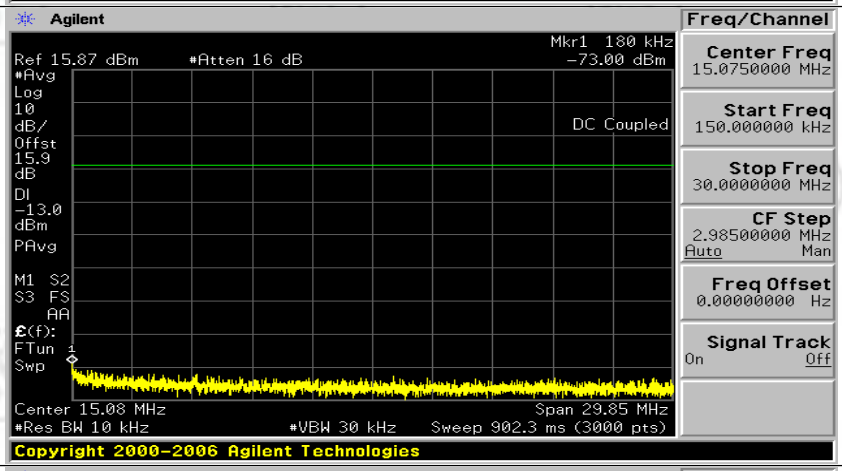


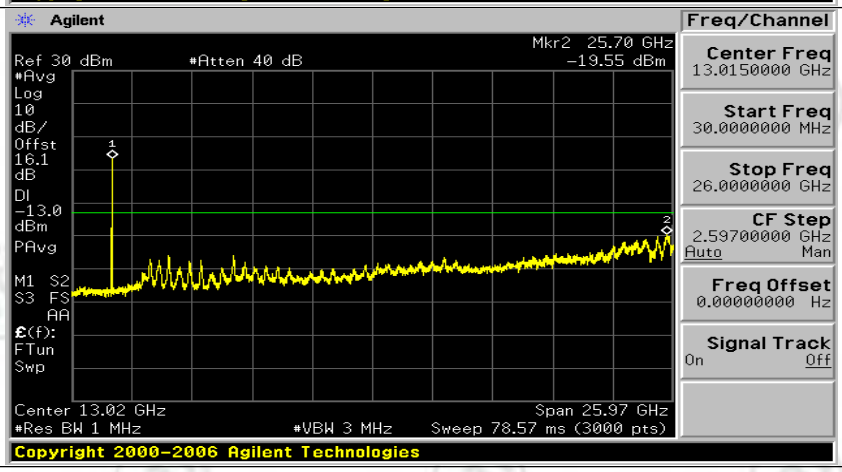




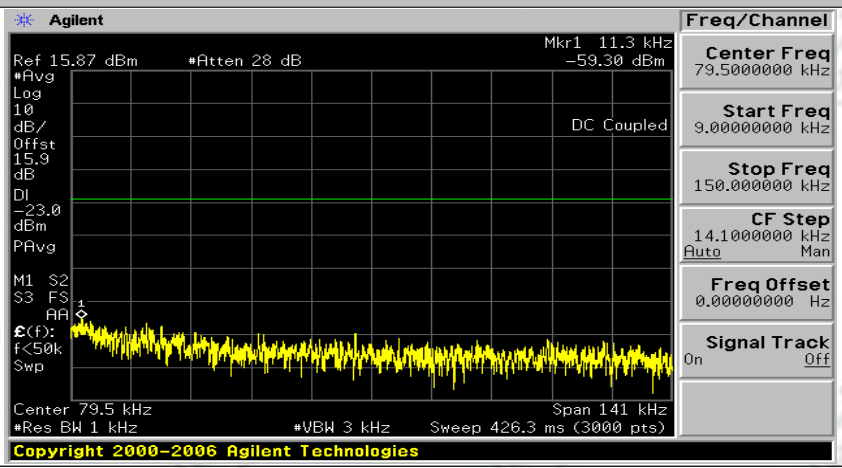
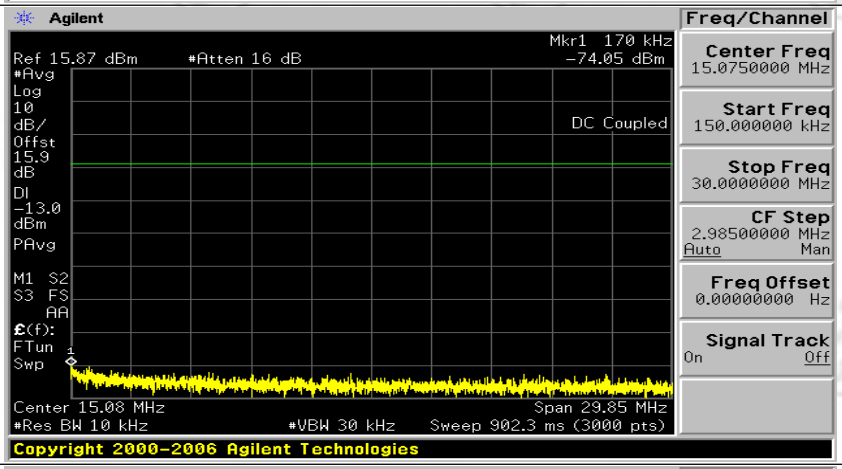
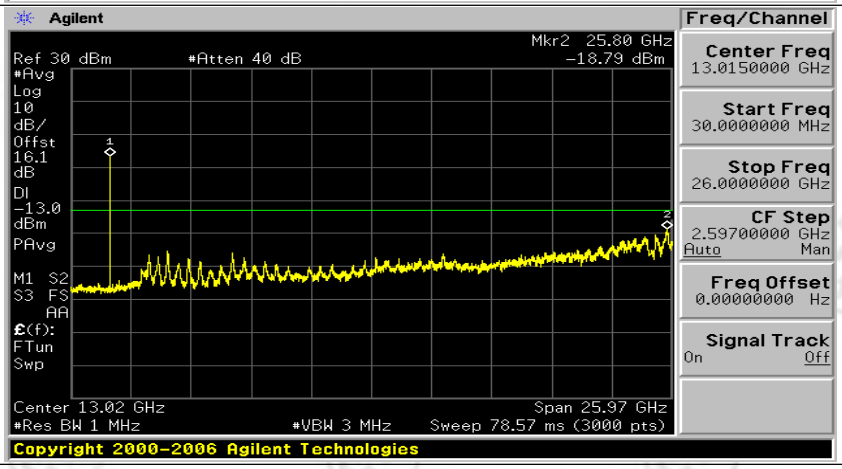
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

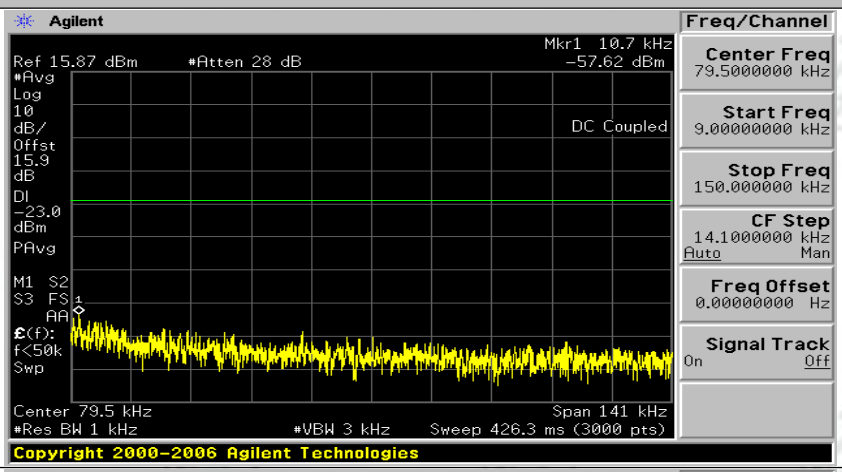
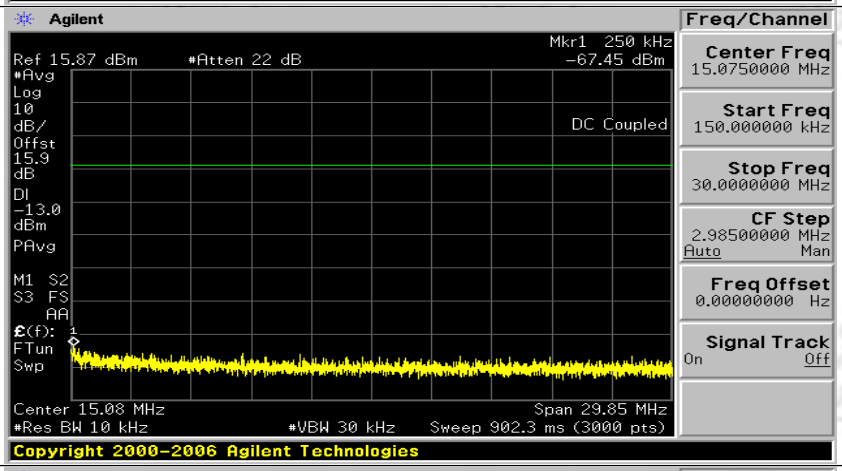
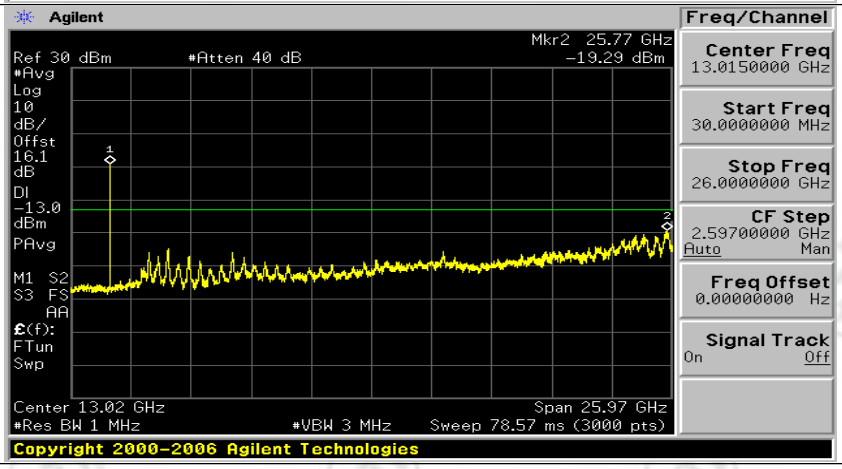




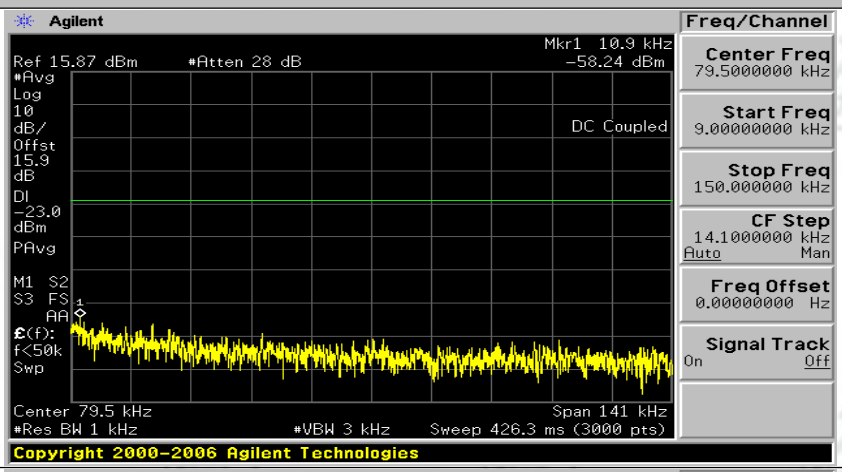


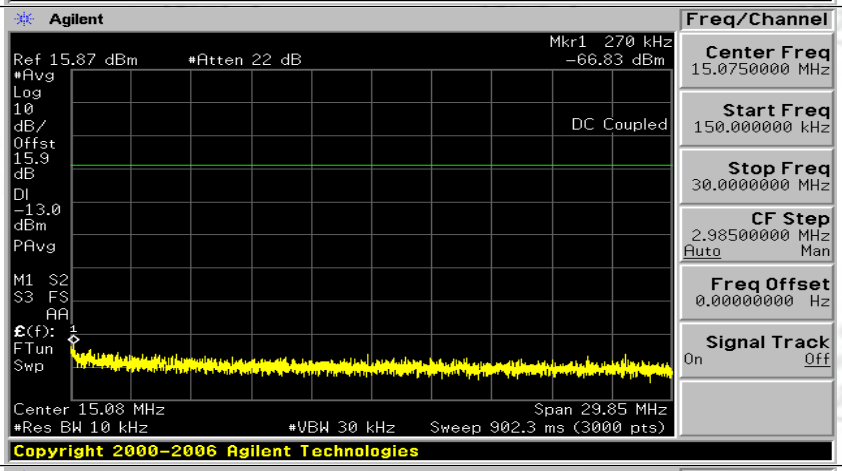
Channel Bandwidth: 10 MHz

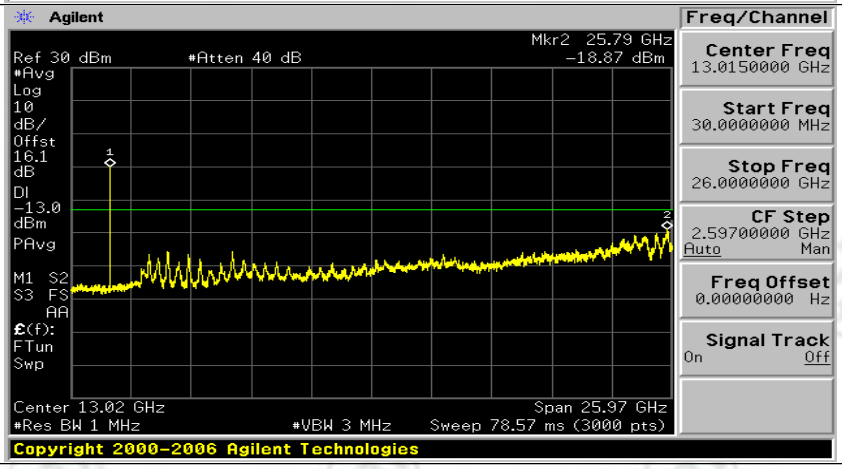
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0




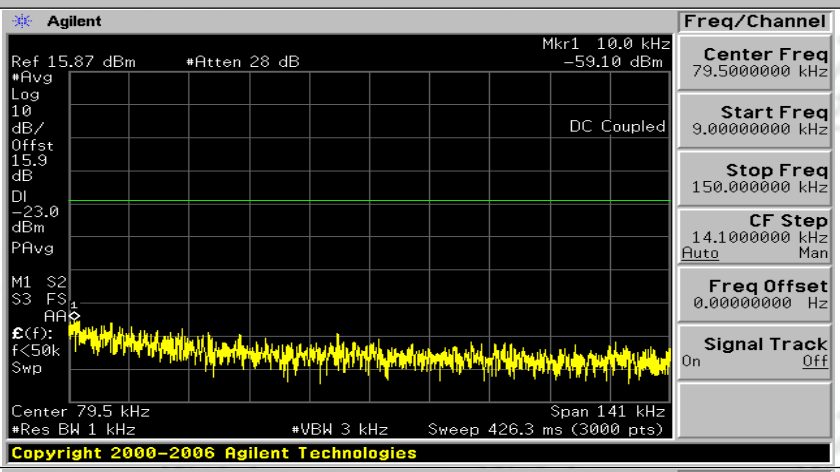
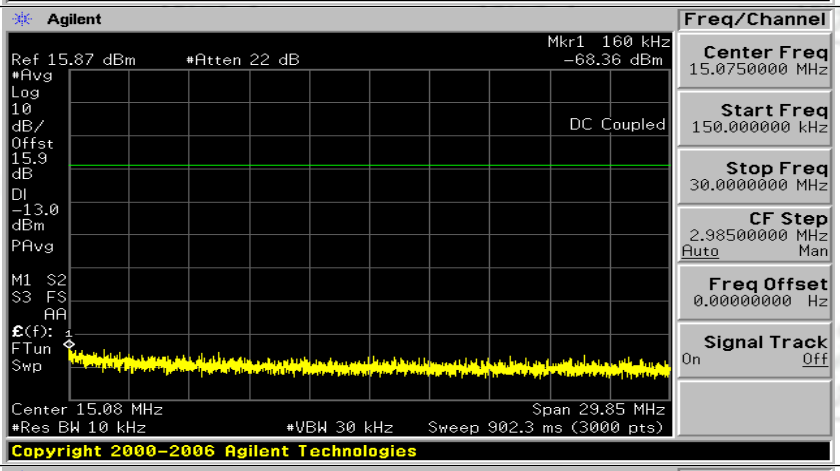
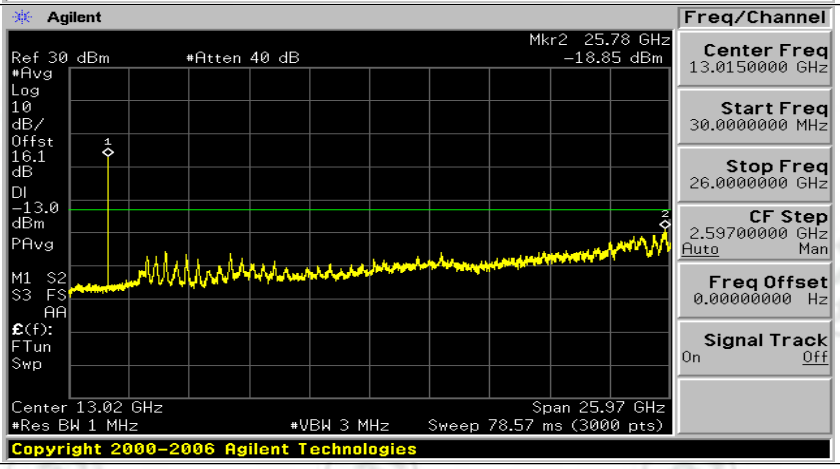
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24




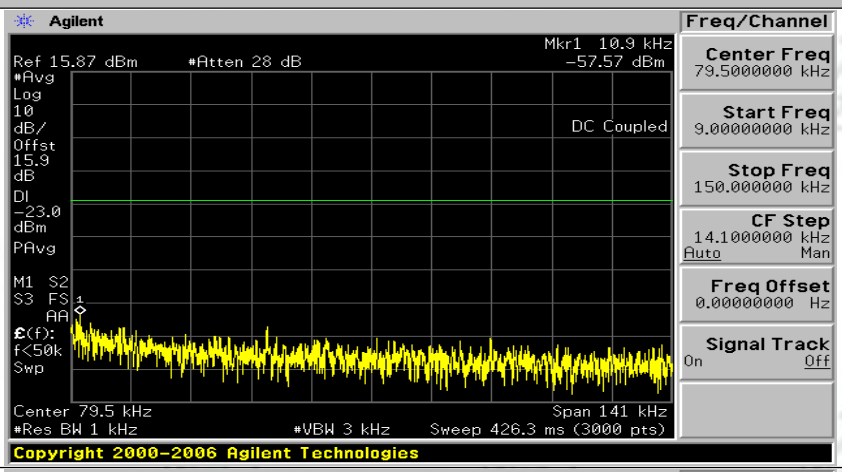
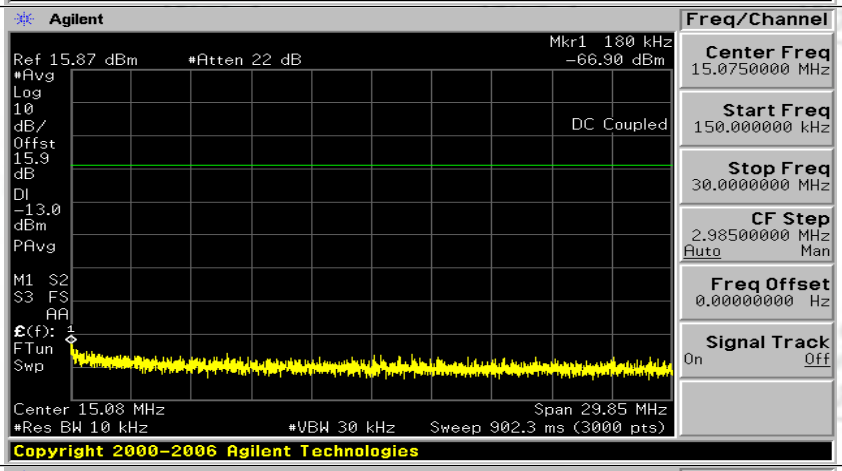
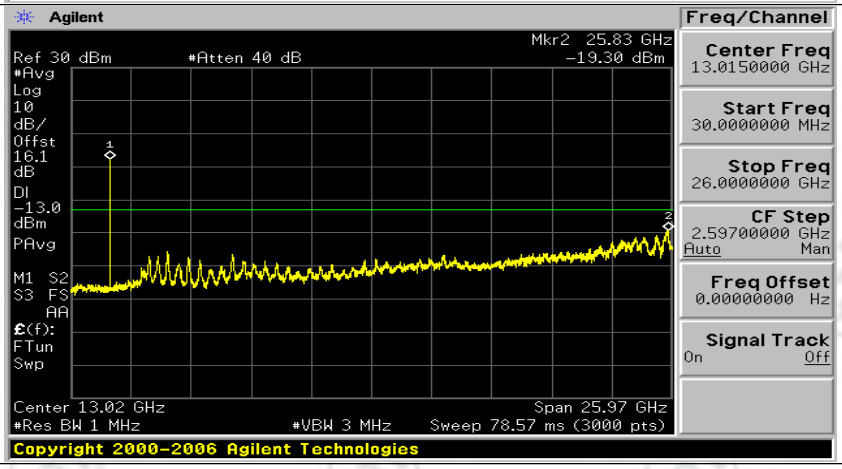
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

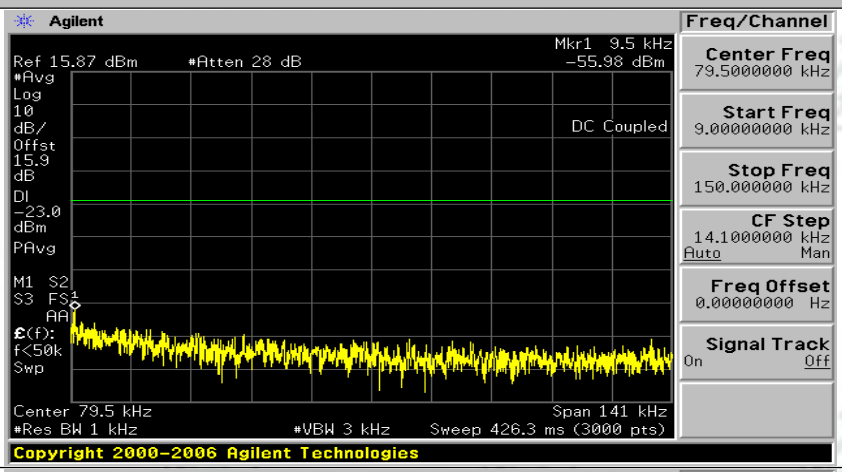
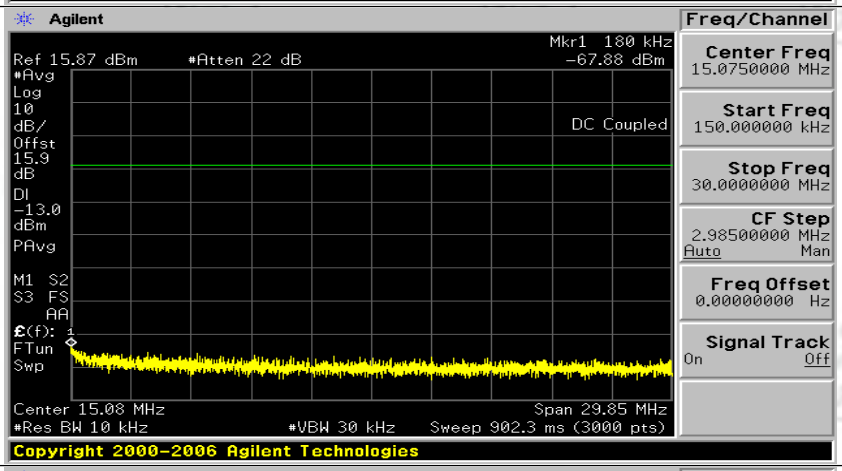
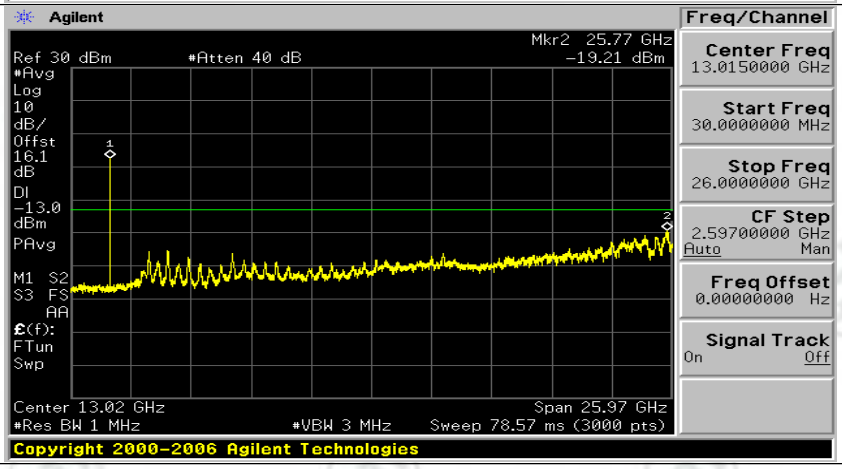


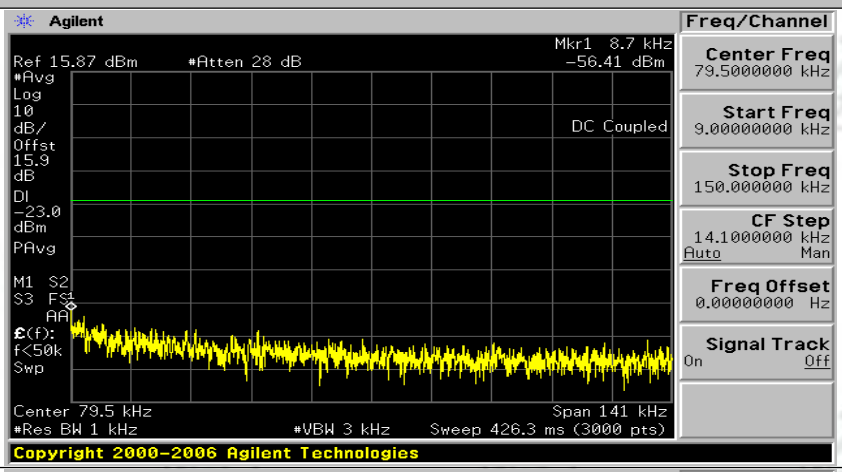
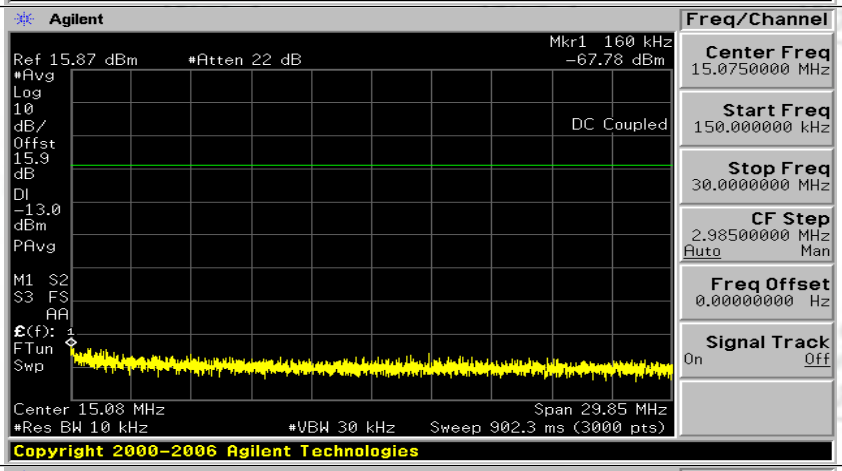
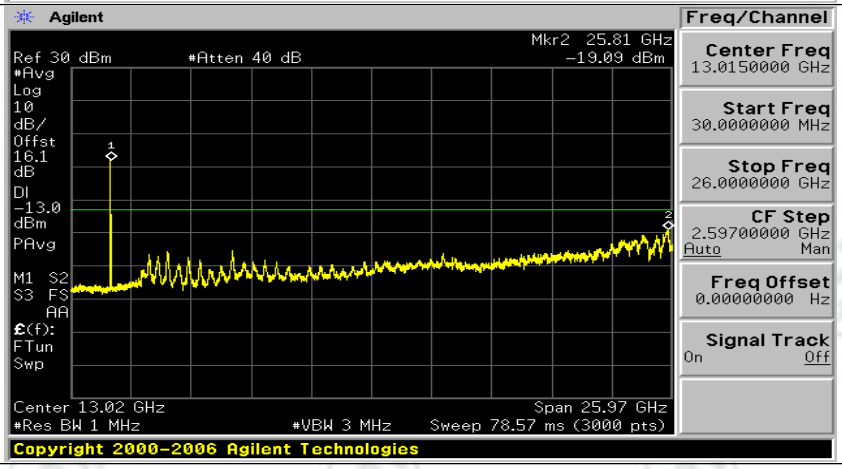




Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0




Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24




Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49




Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0




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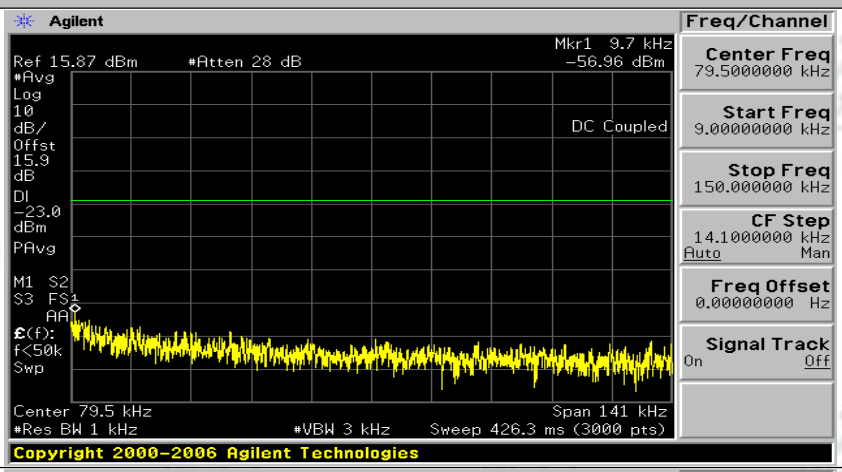
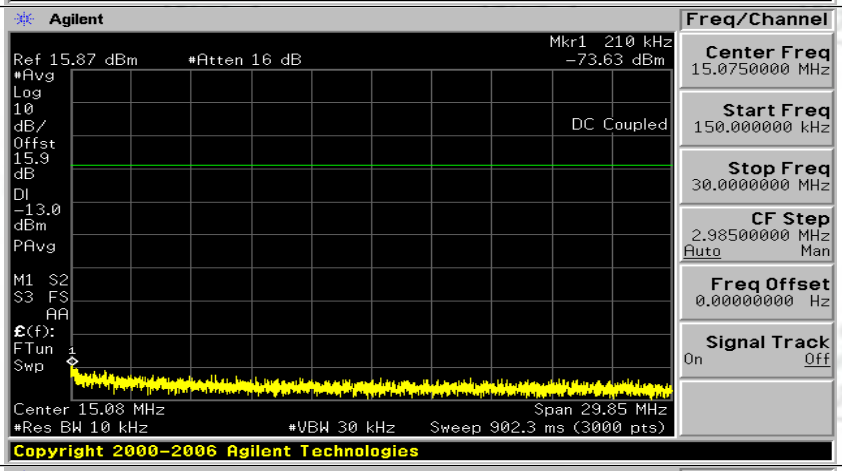
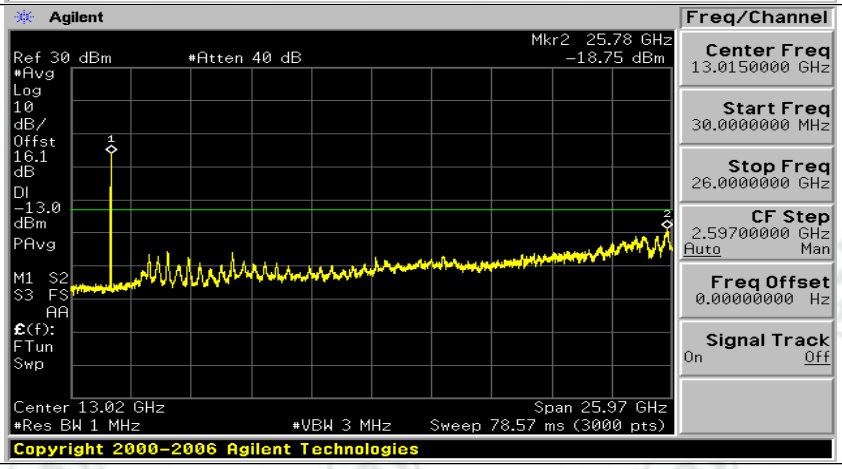

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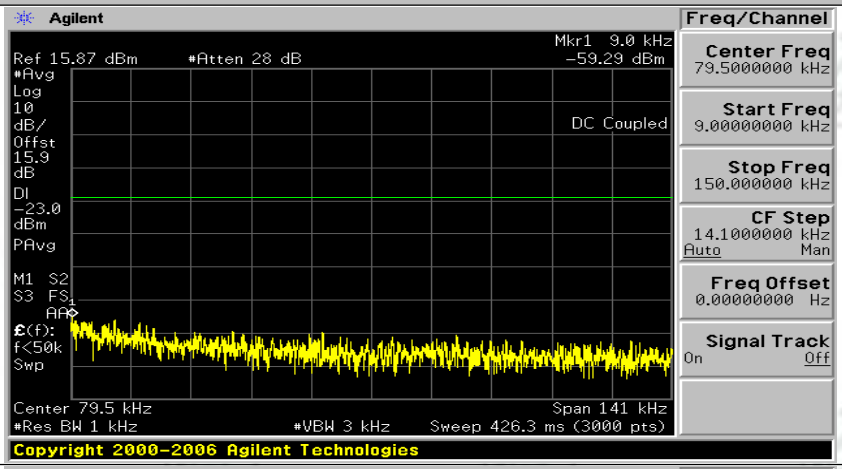
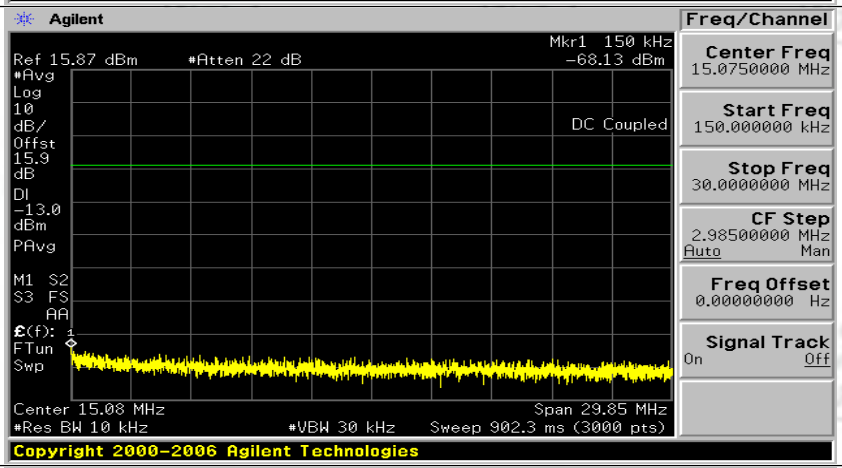
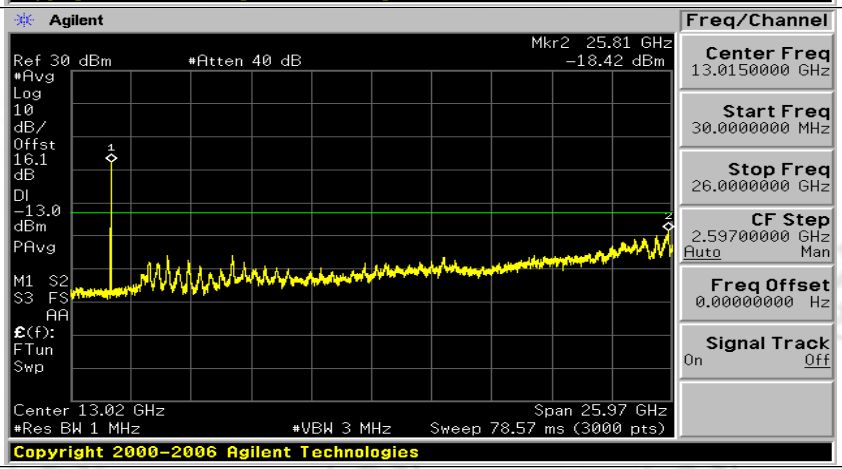
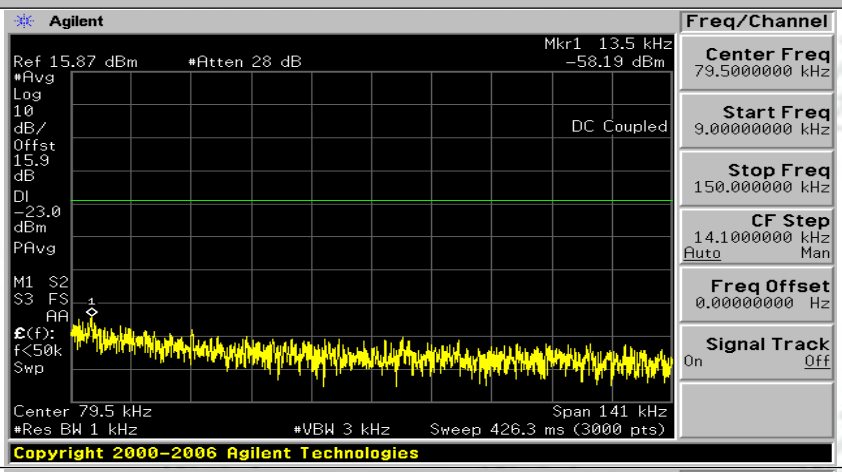
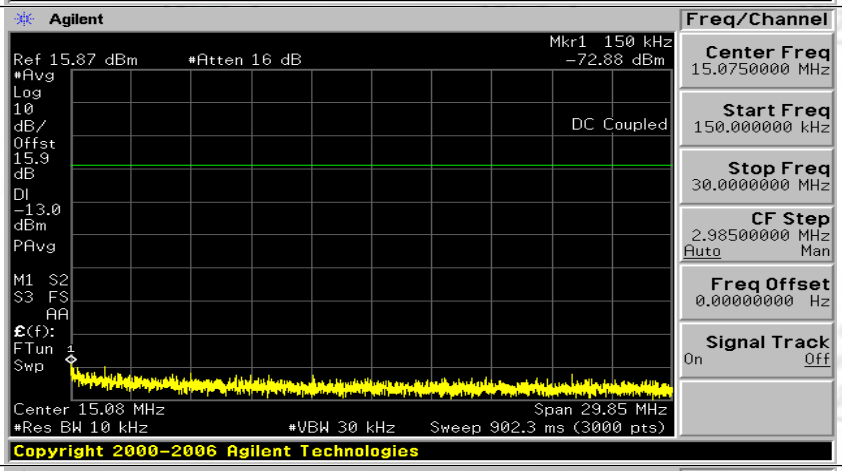
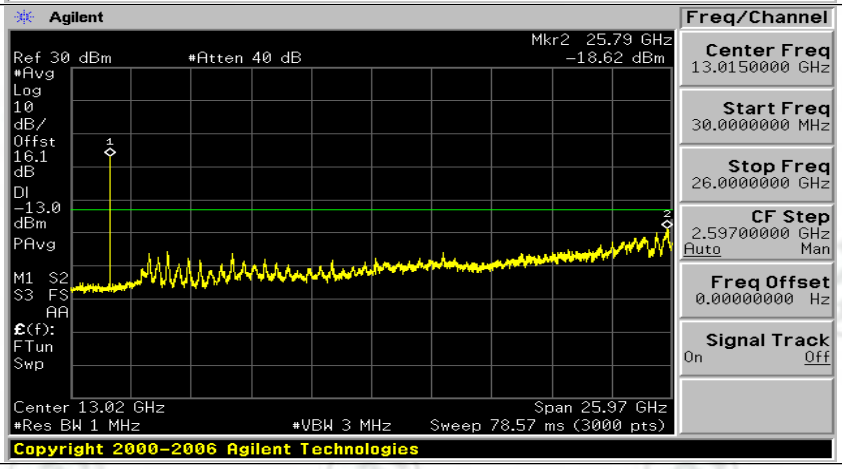






Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0




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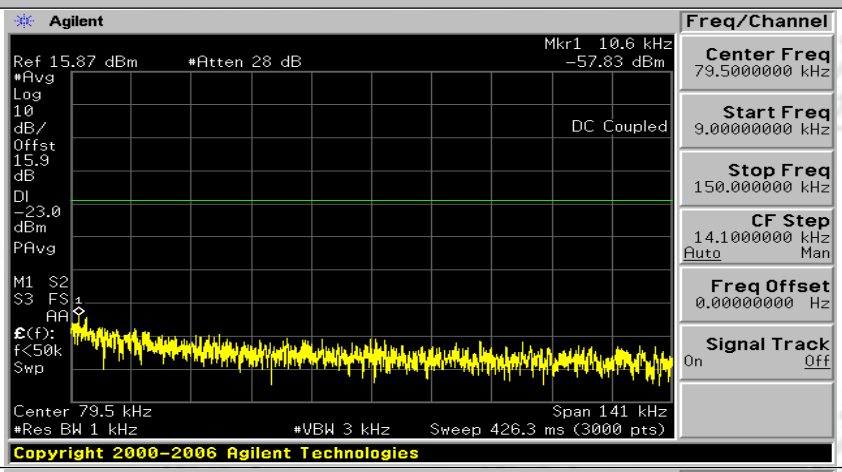
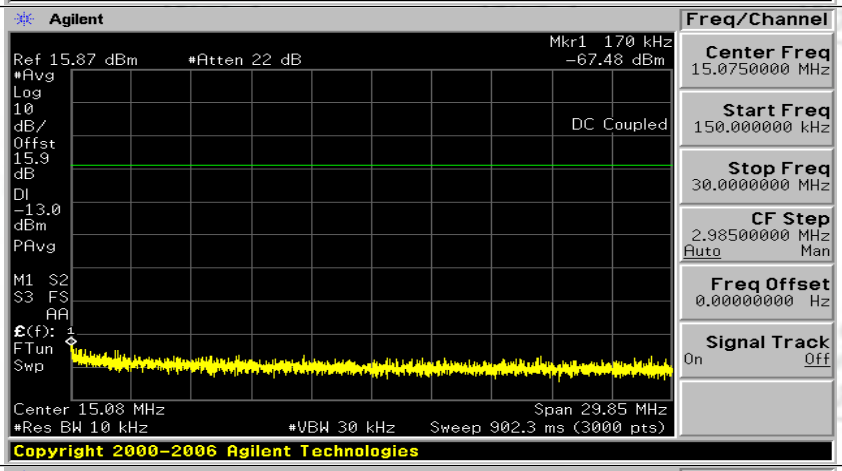
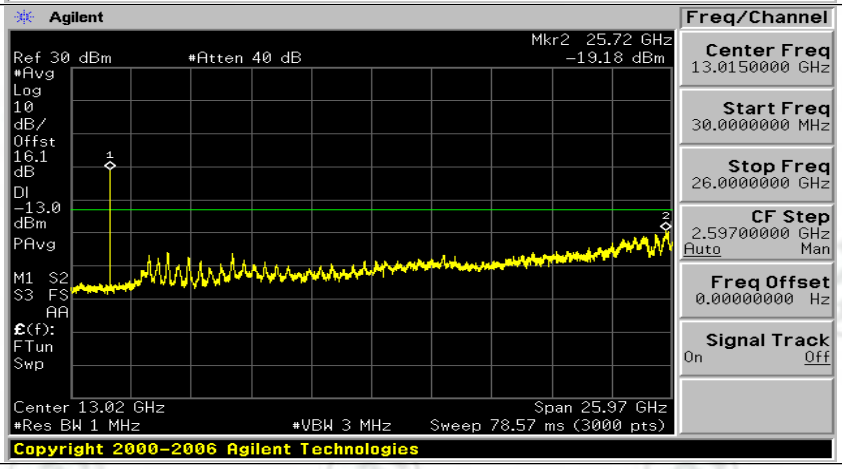

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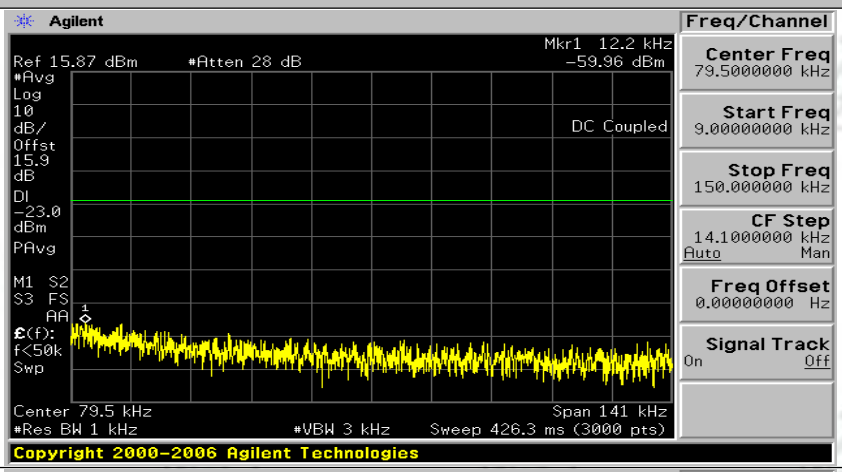
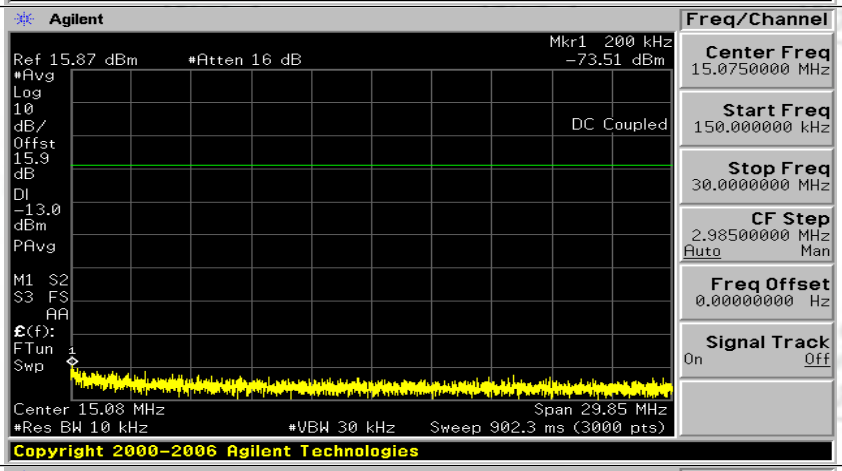
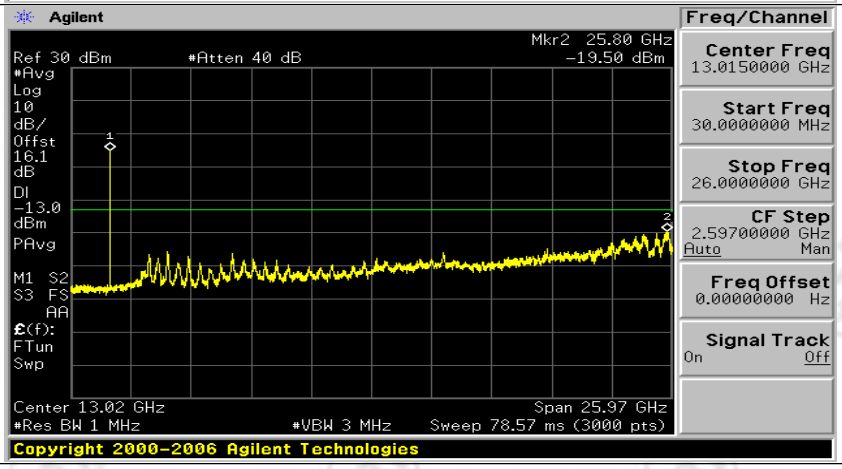

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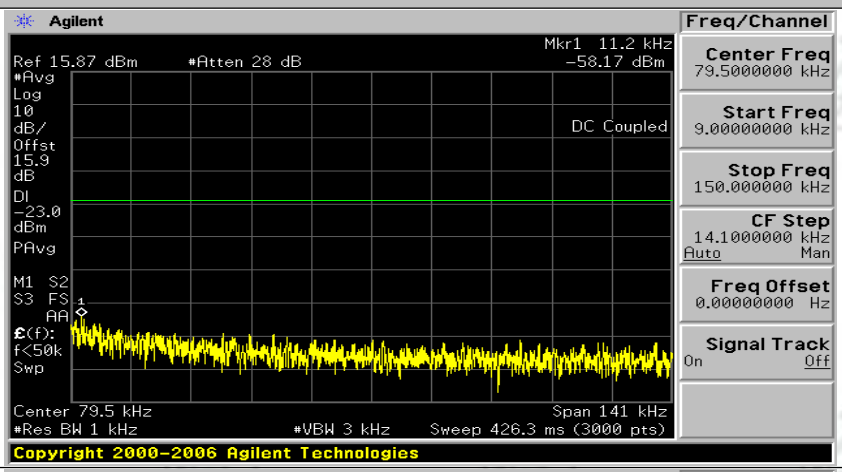
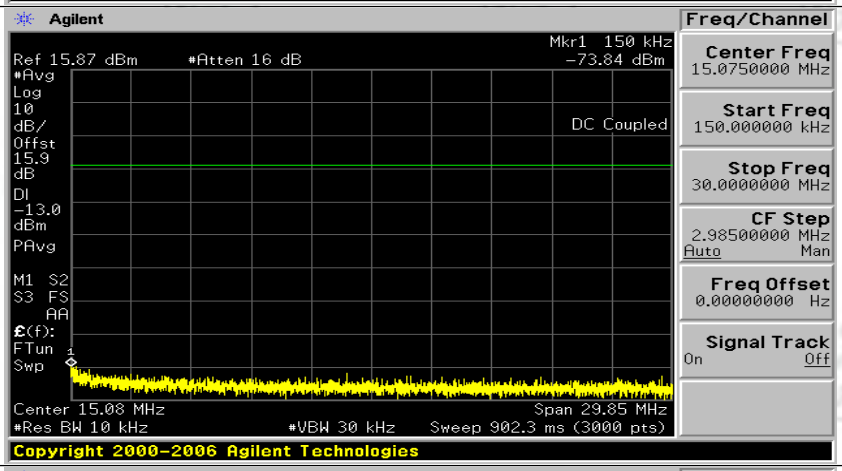
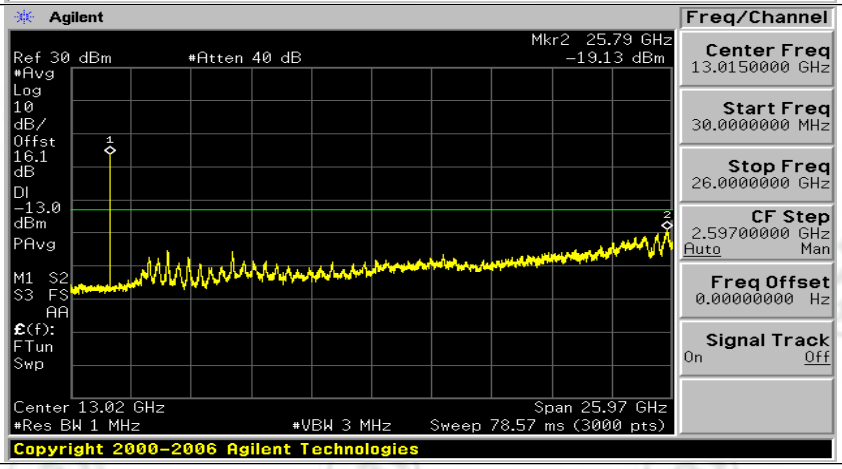

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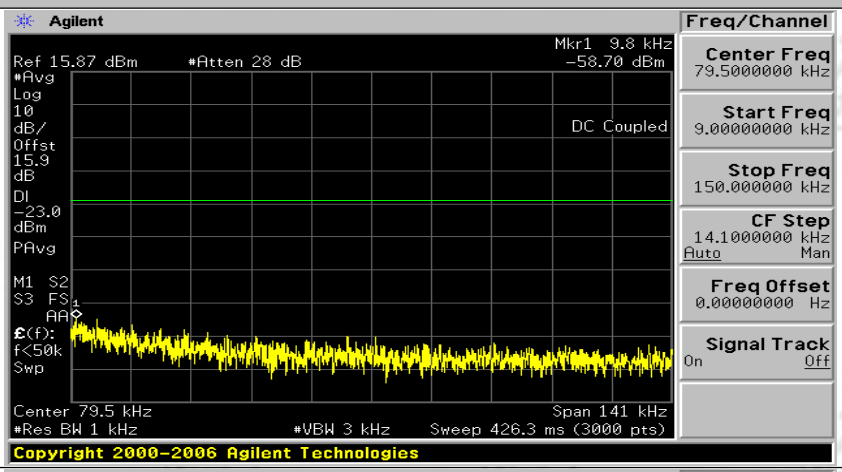
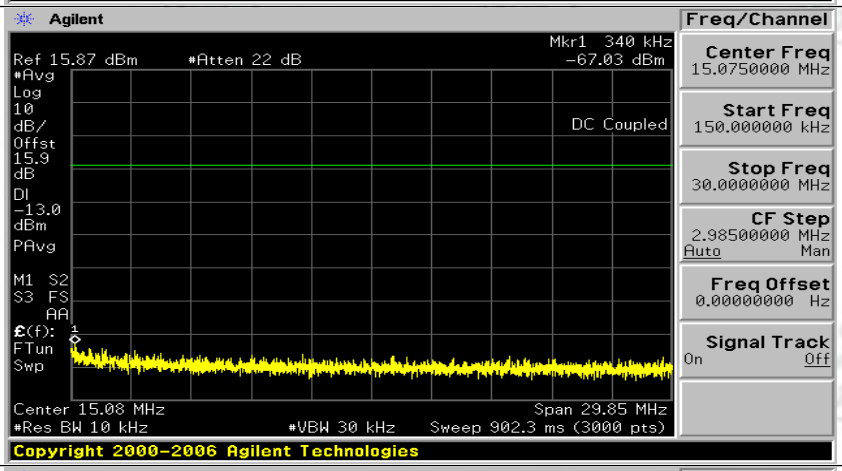
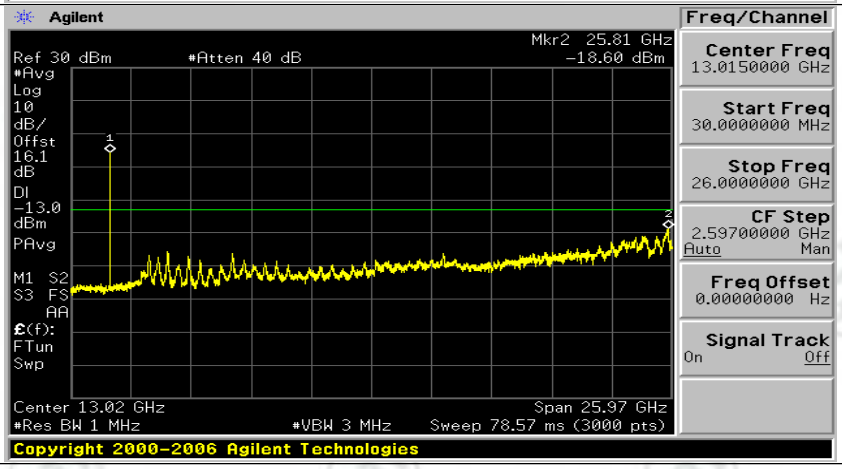

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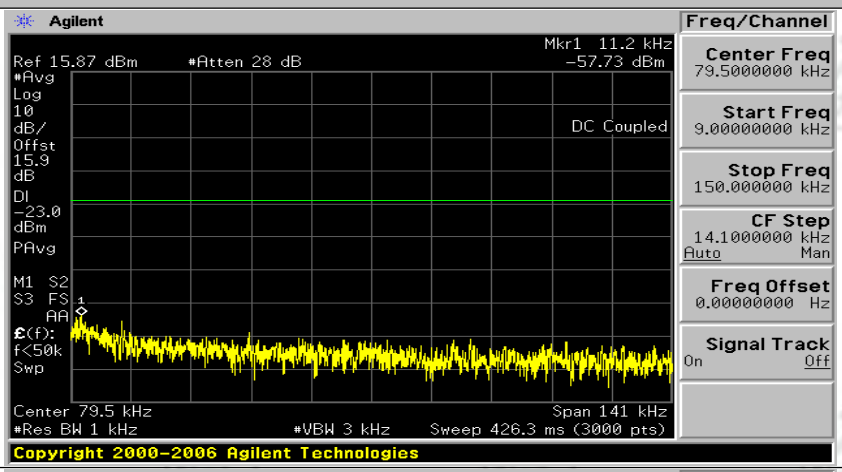
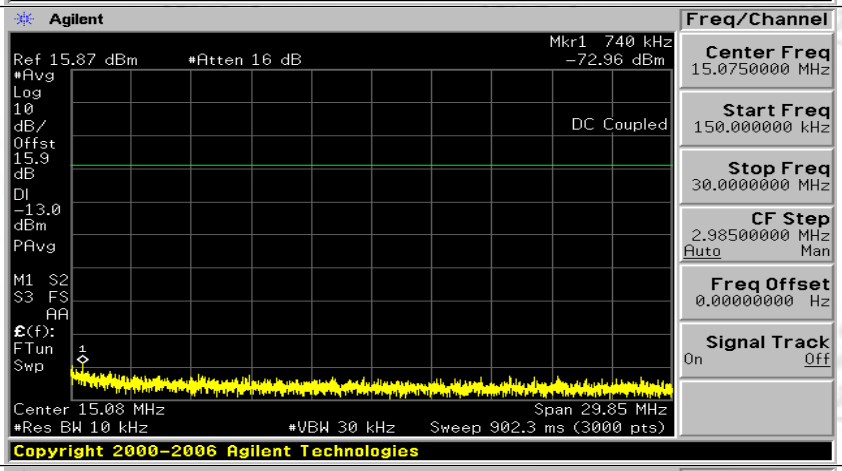
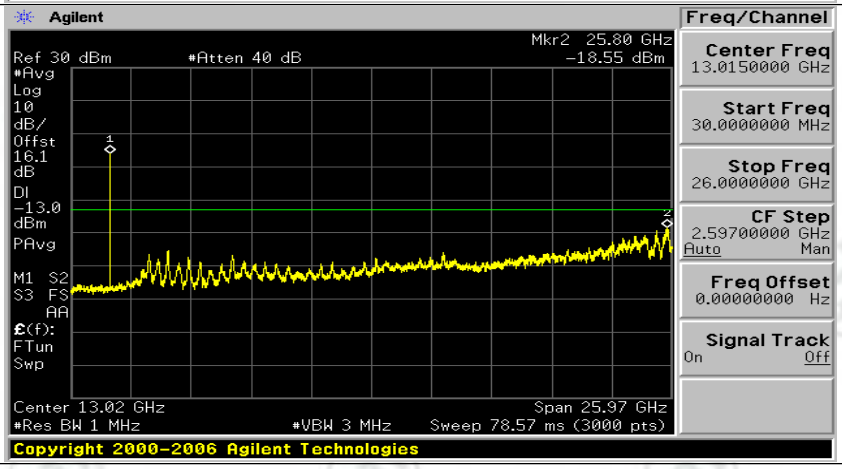

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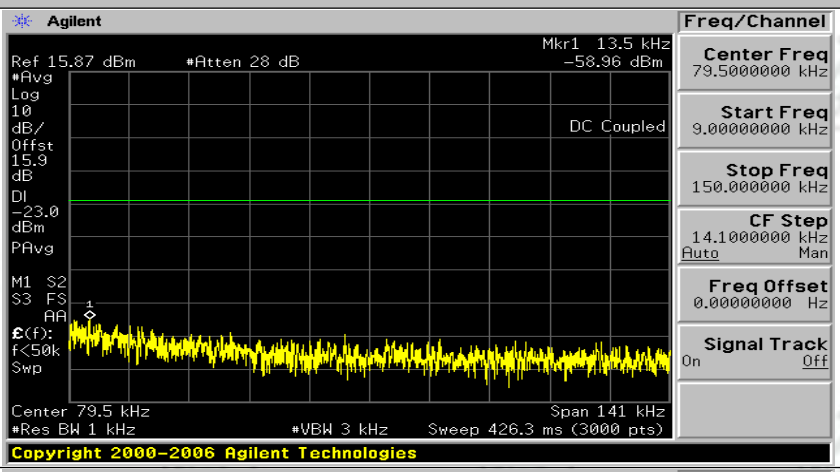
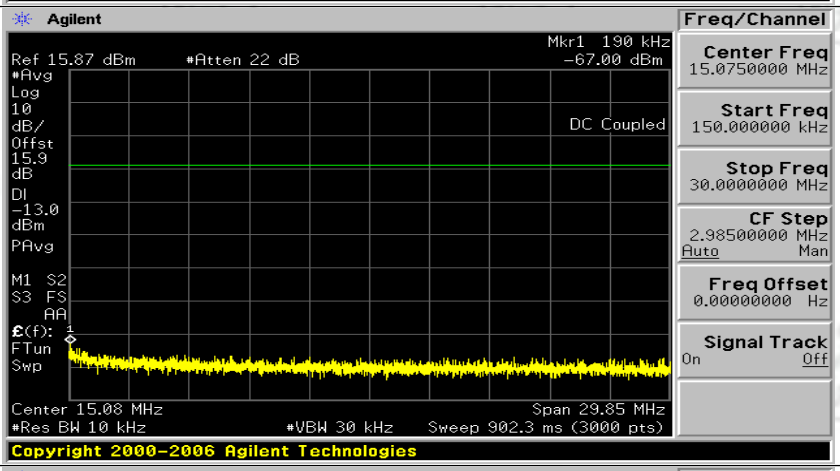
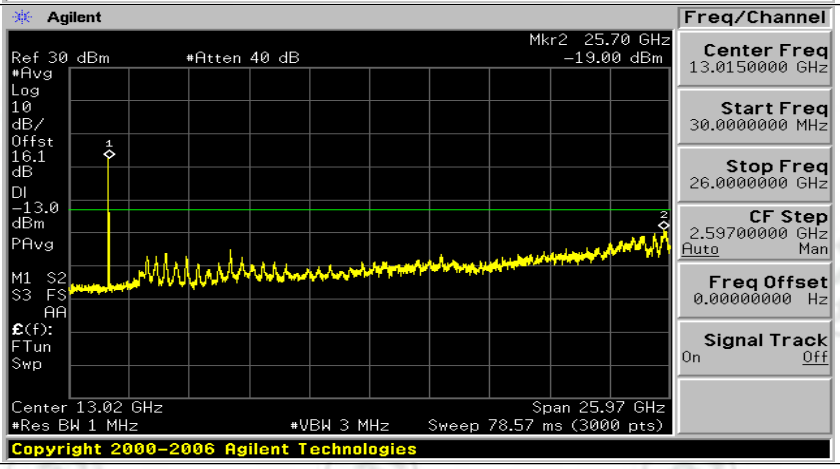

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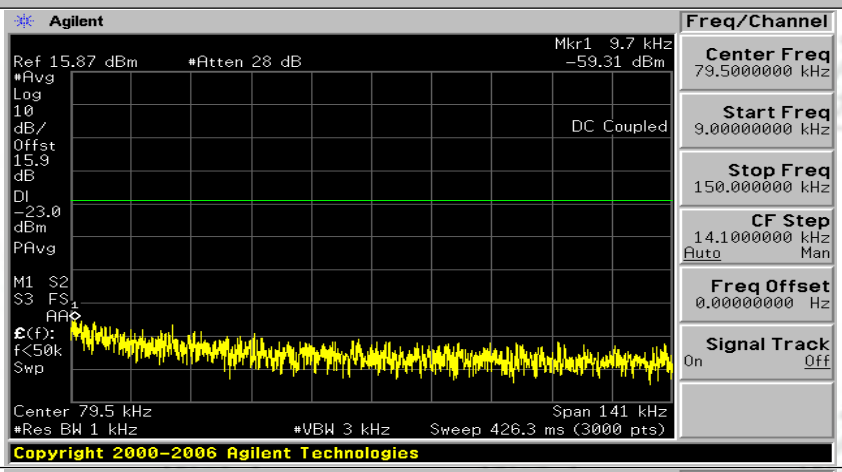
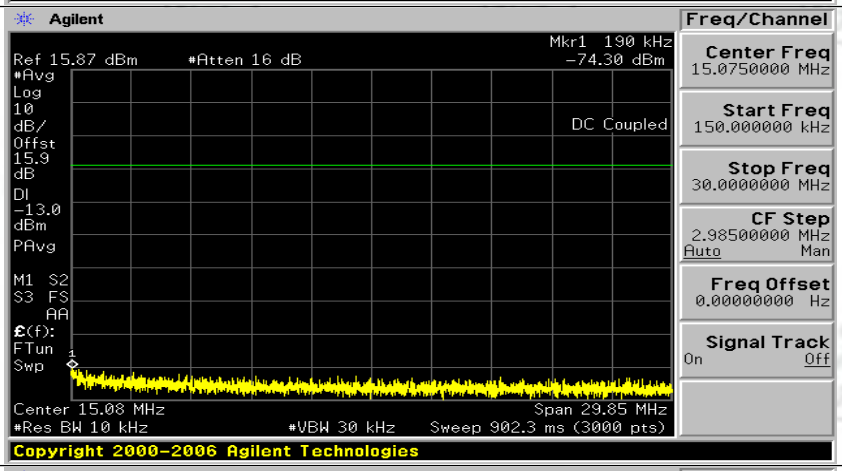
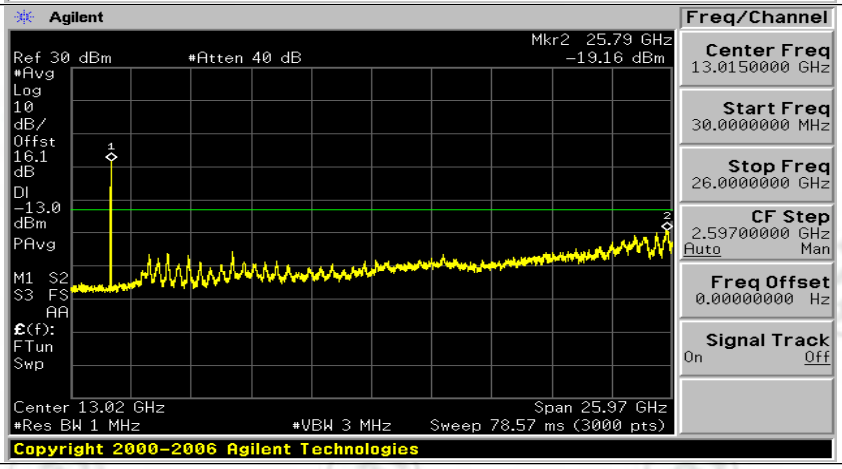

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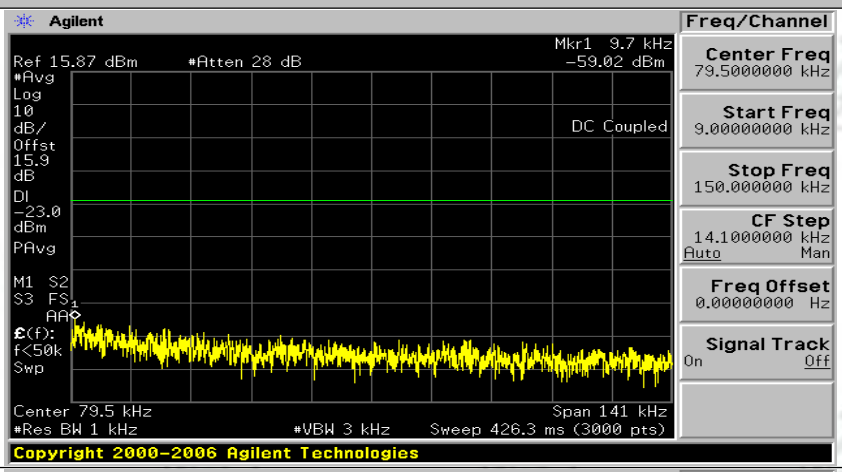
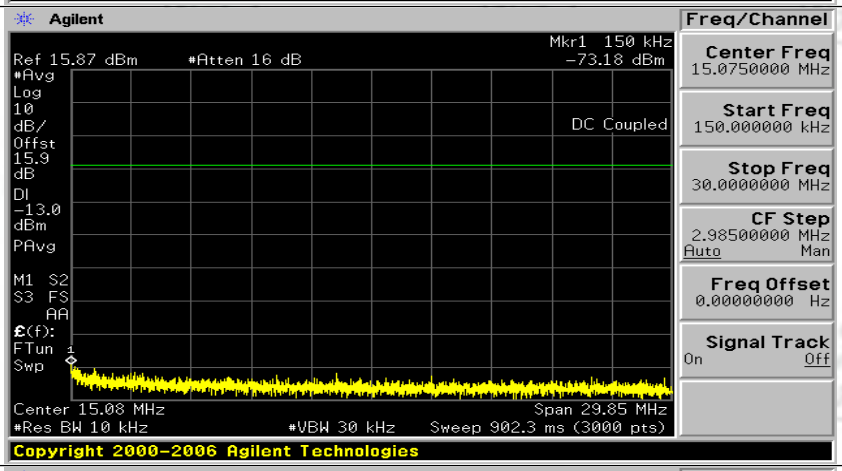
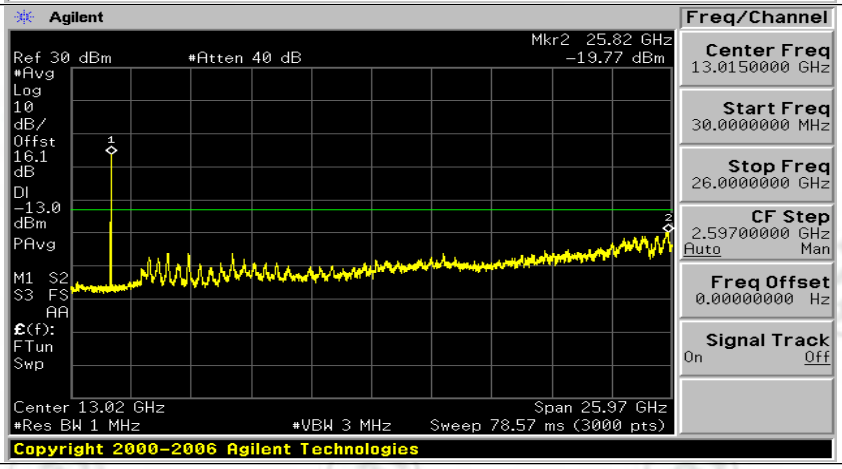
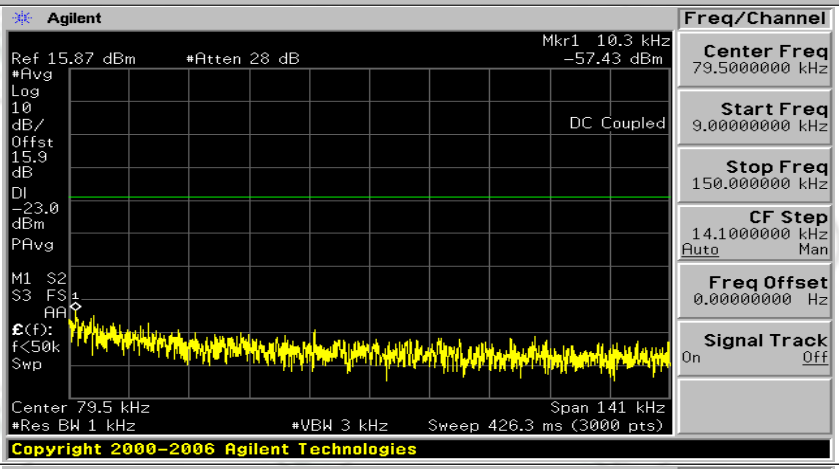
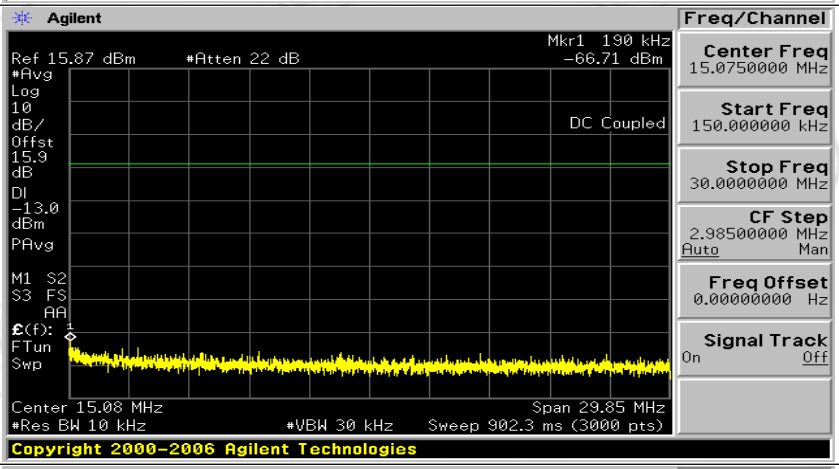
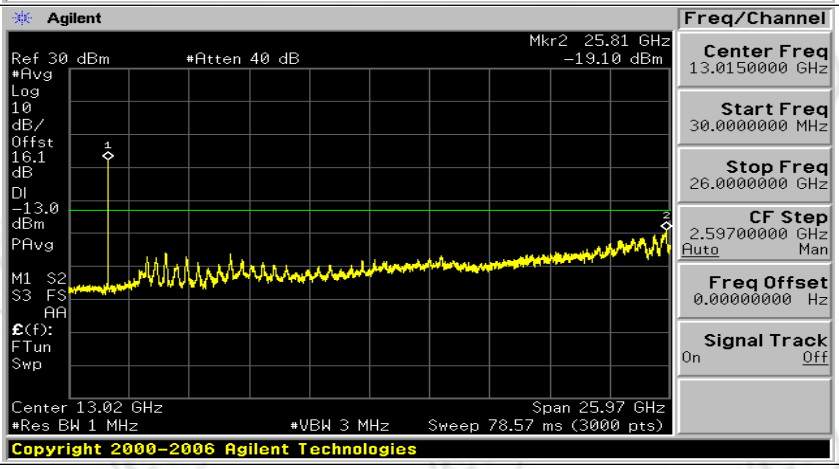




Channel Bandwidth: 15 MHz

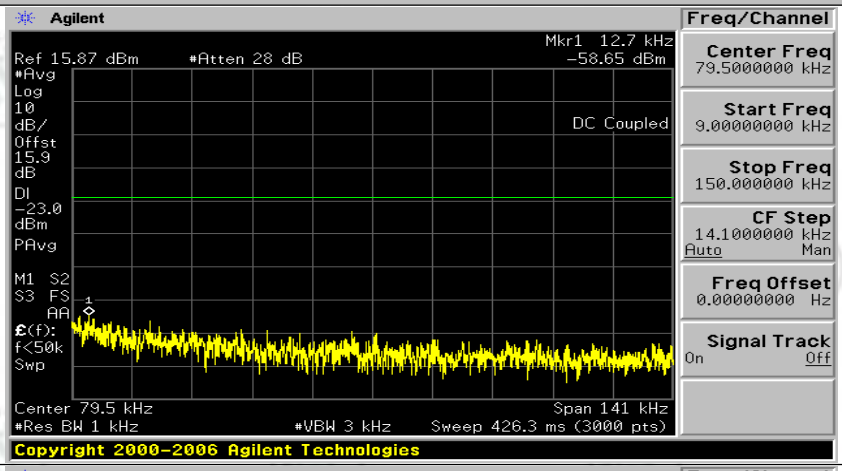
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

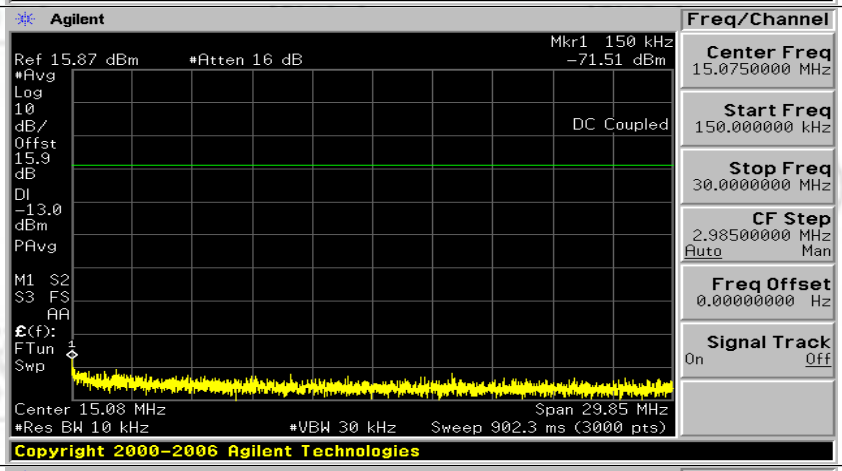


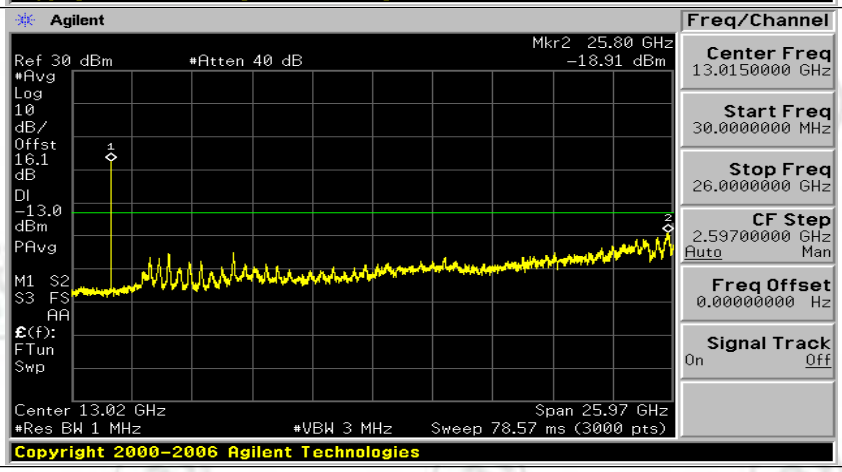




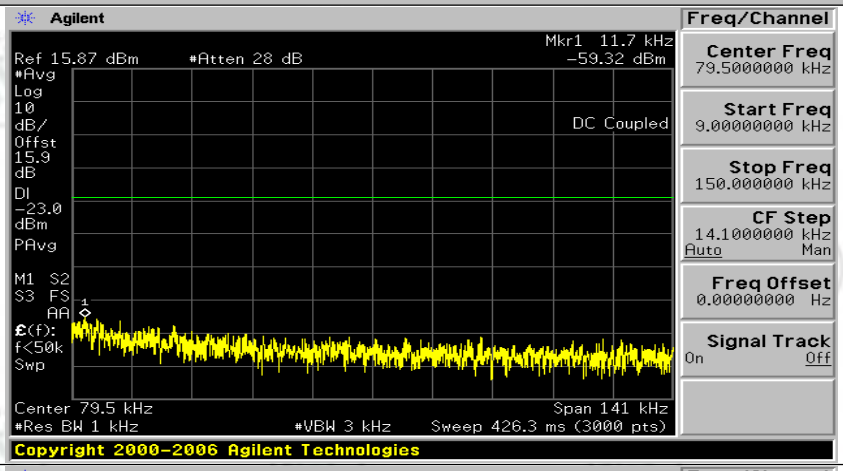
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

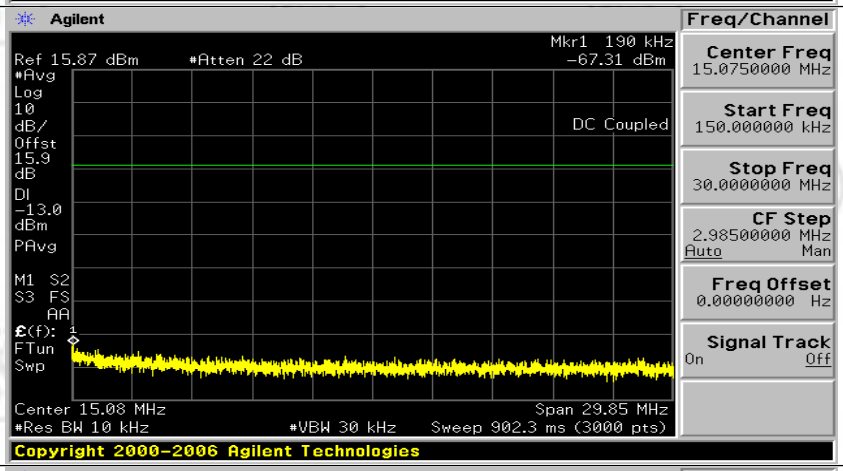


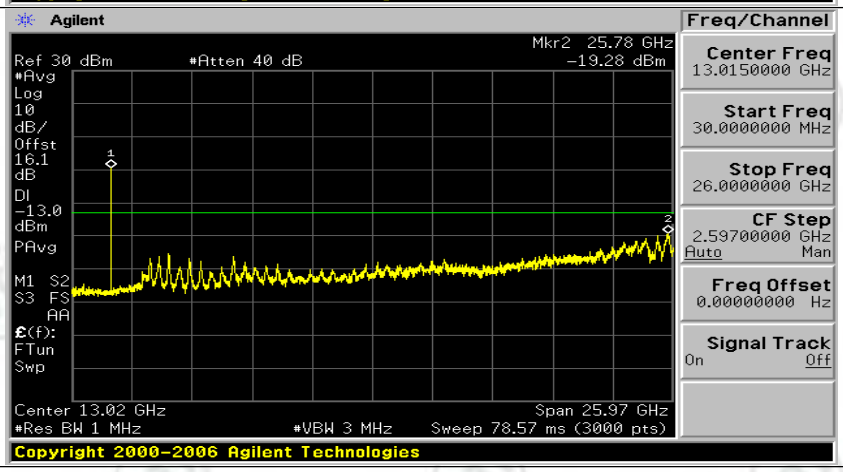




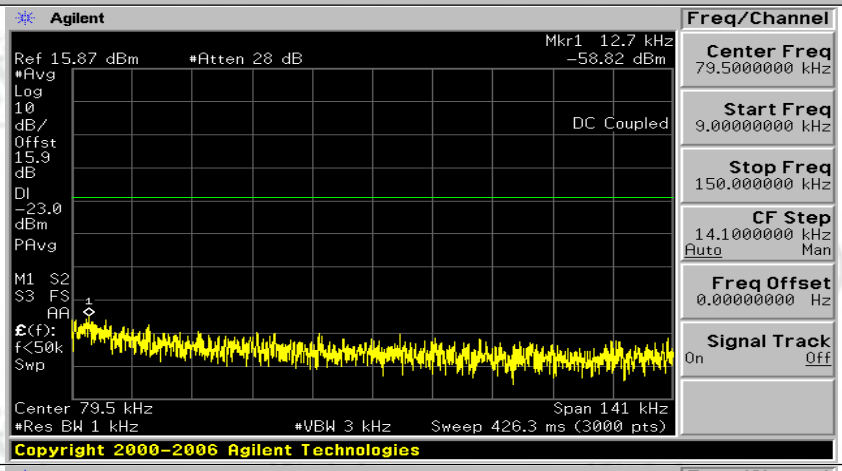
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

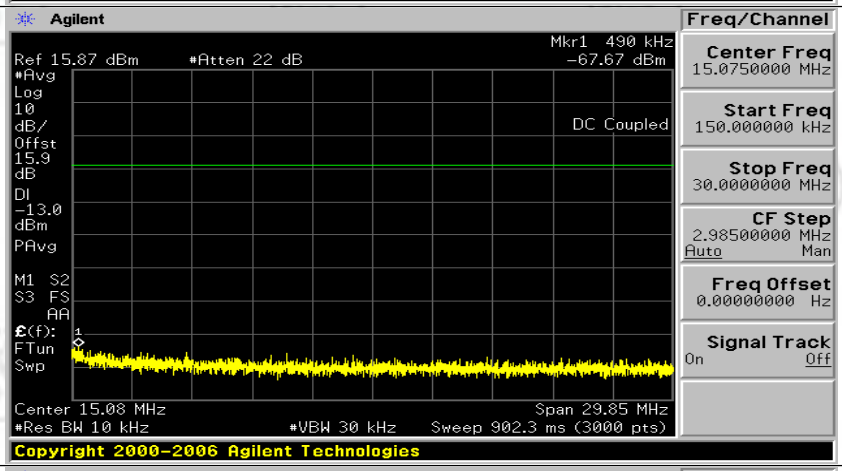


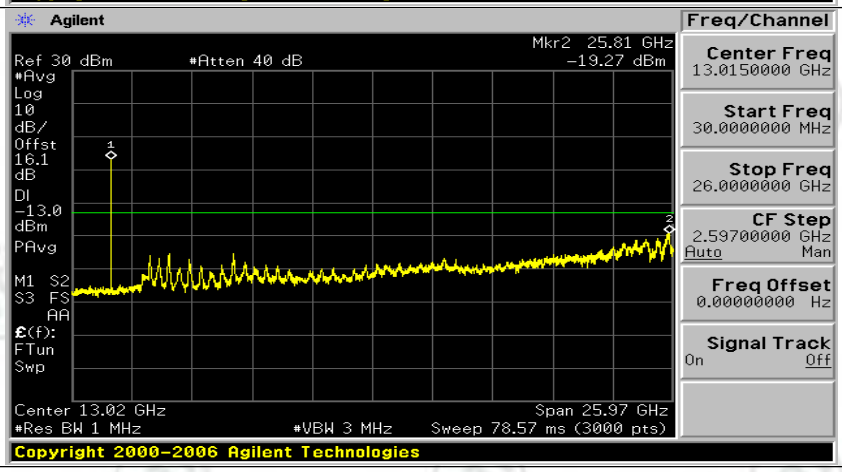




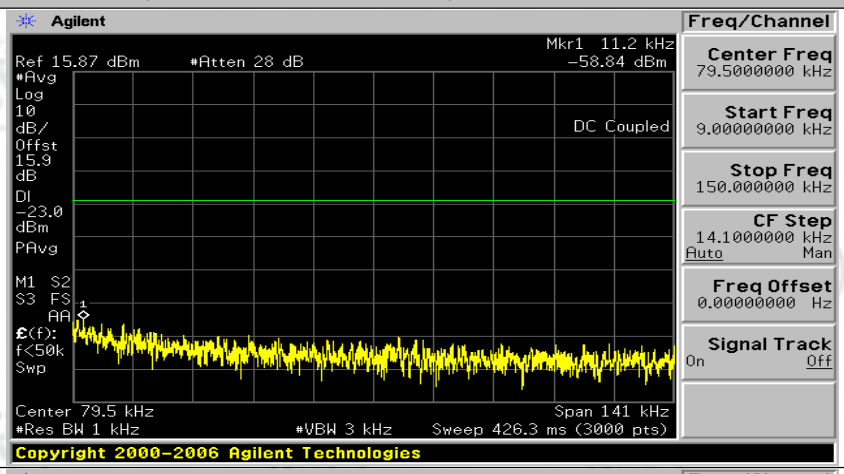
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

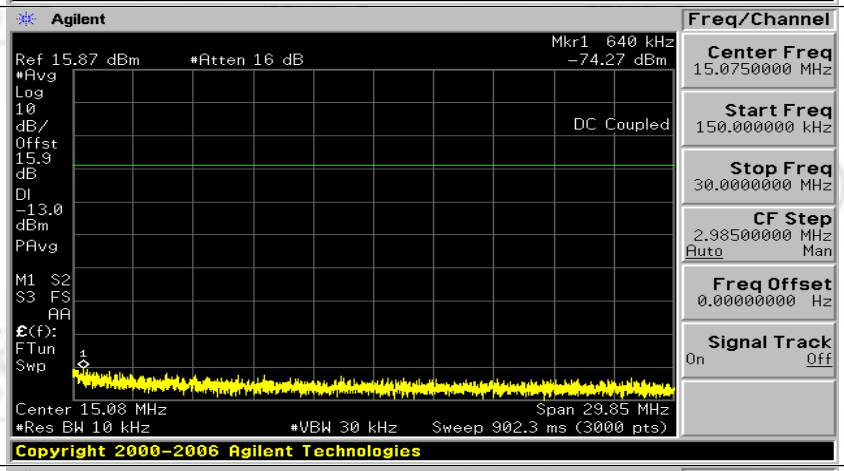


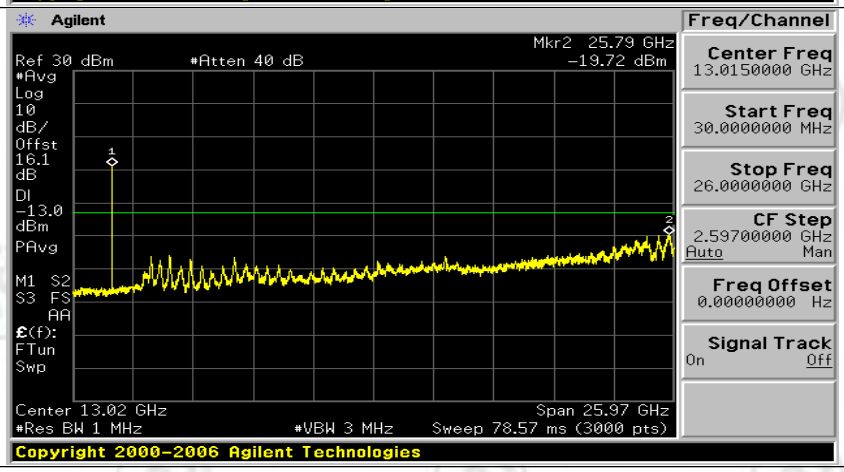




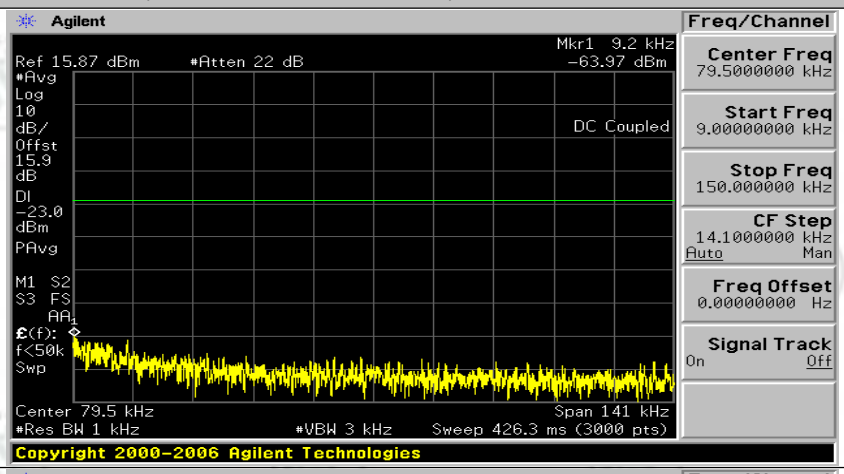
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

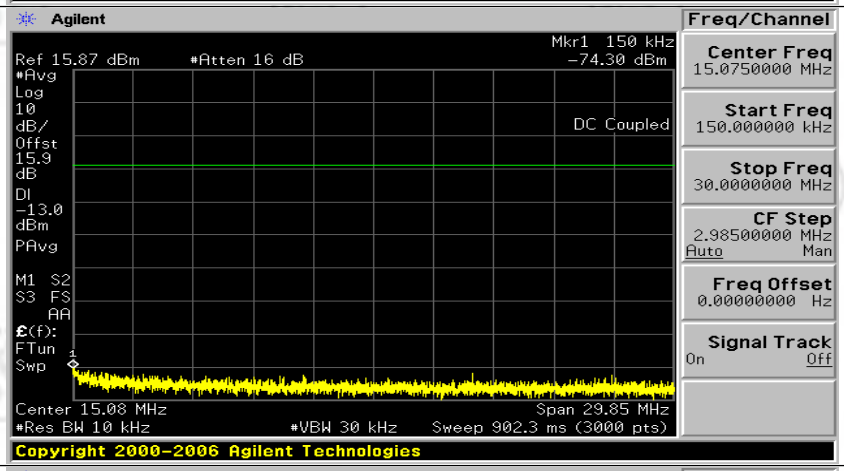


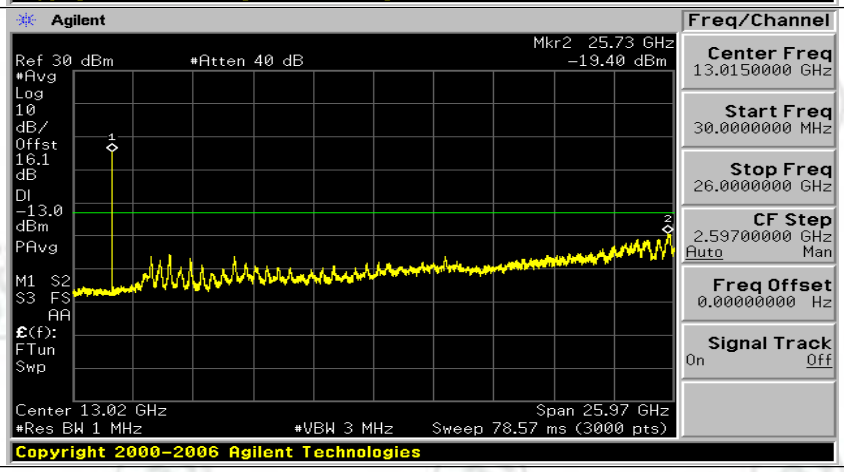


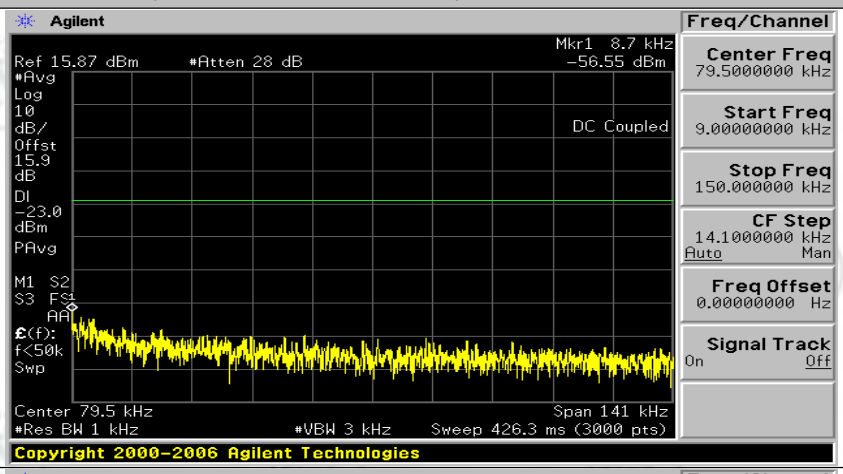
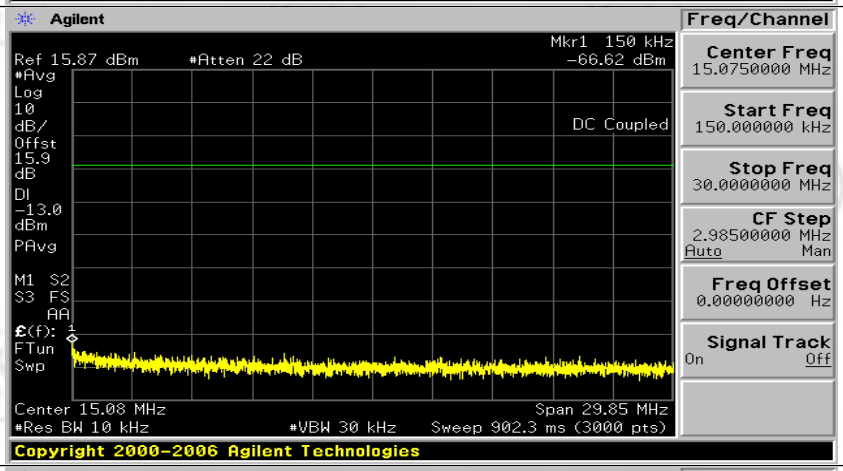
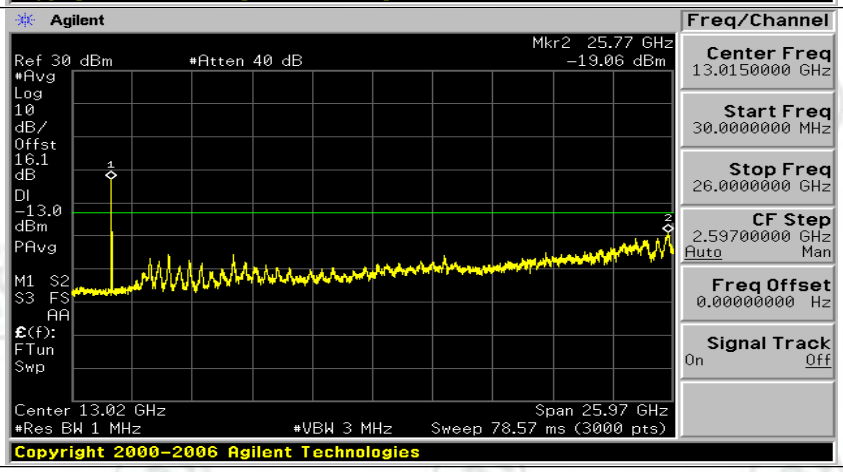


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

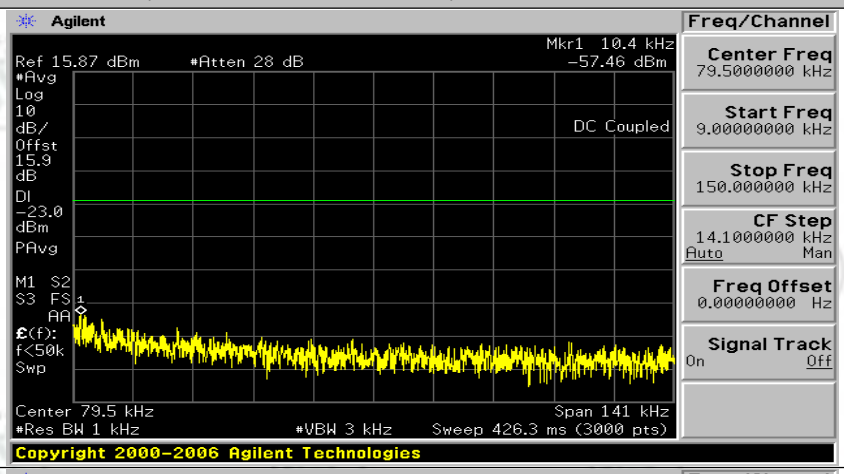


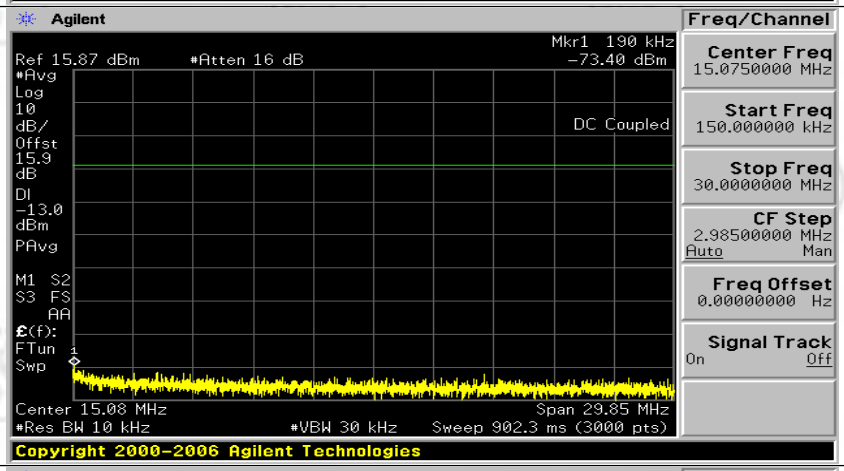


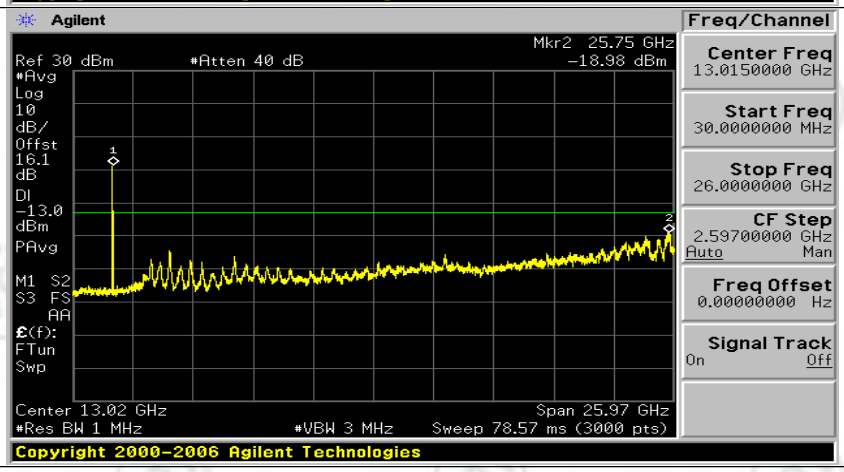


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0




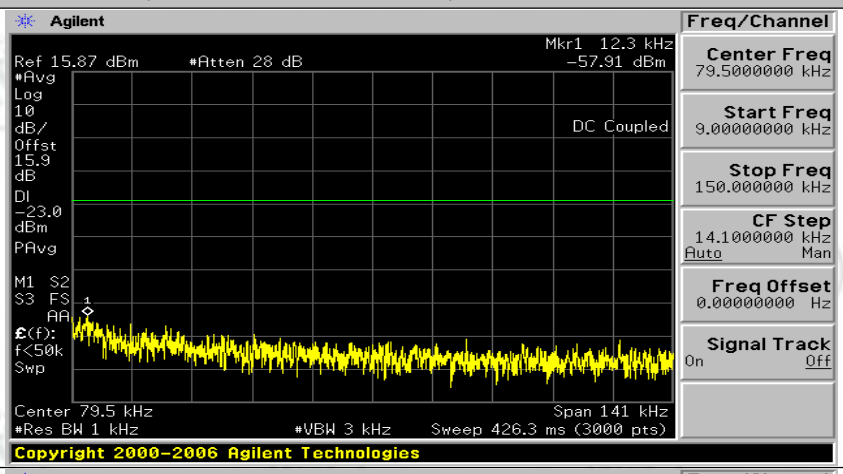
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

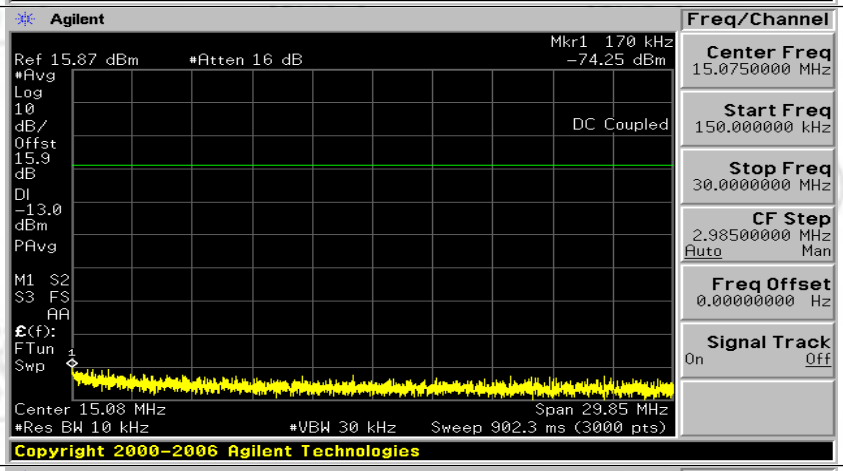


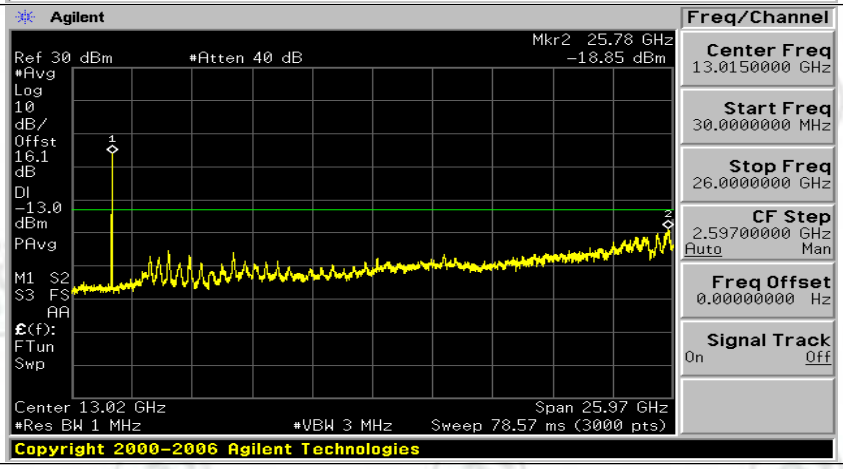




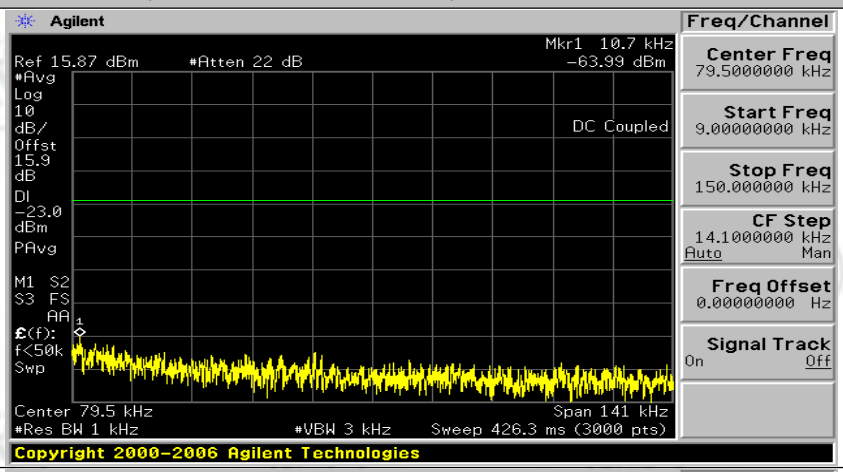
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

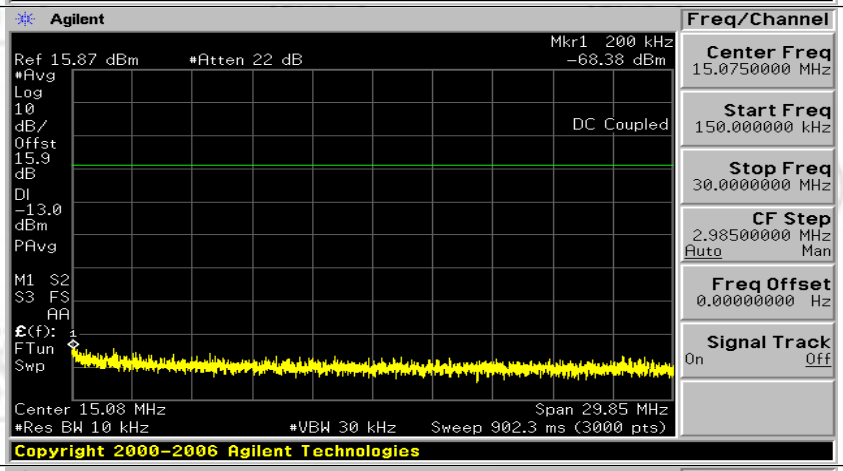


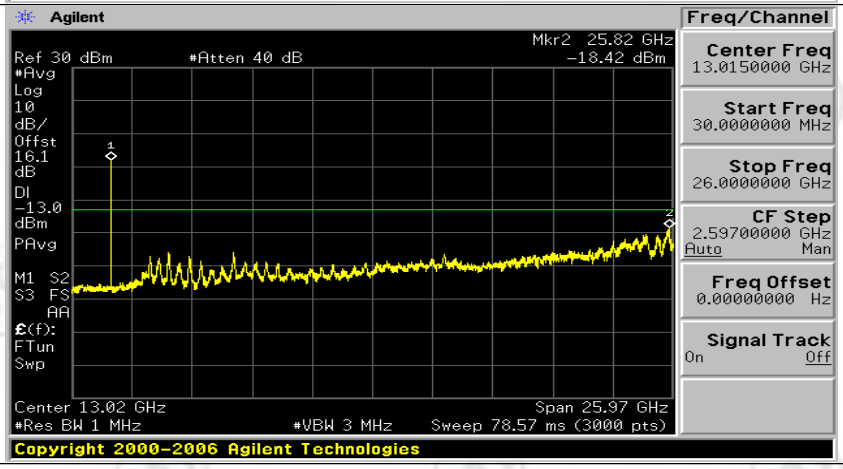




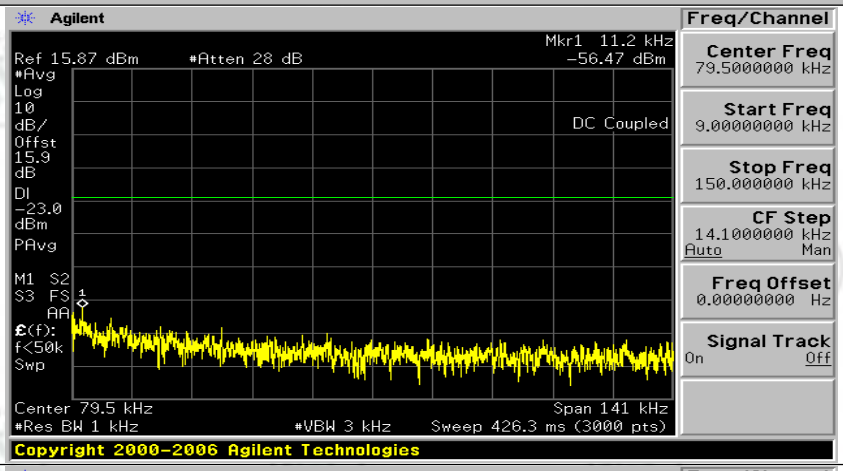
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

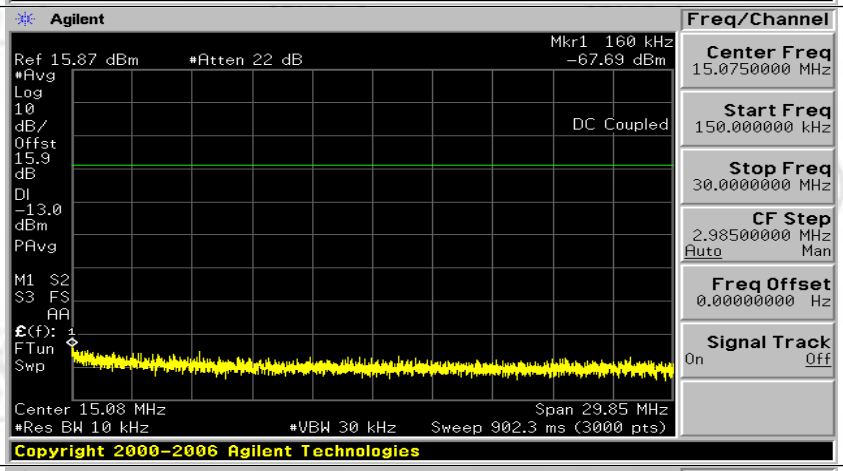


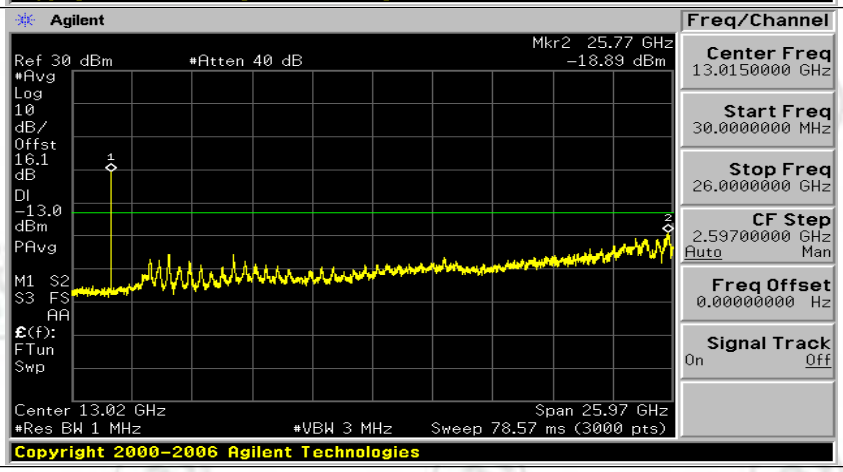




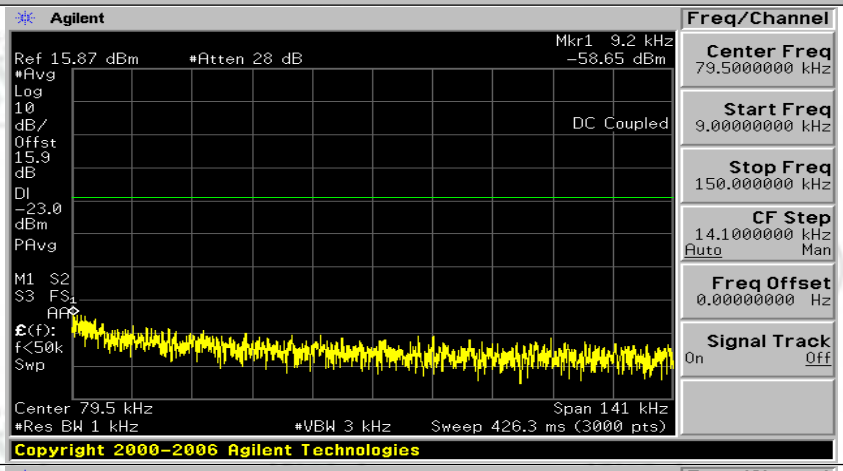
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

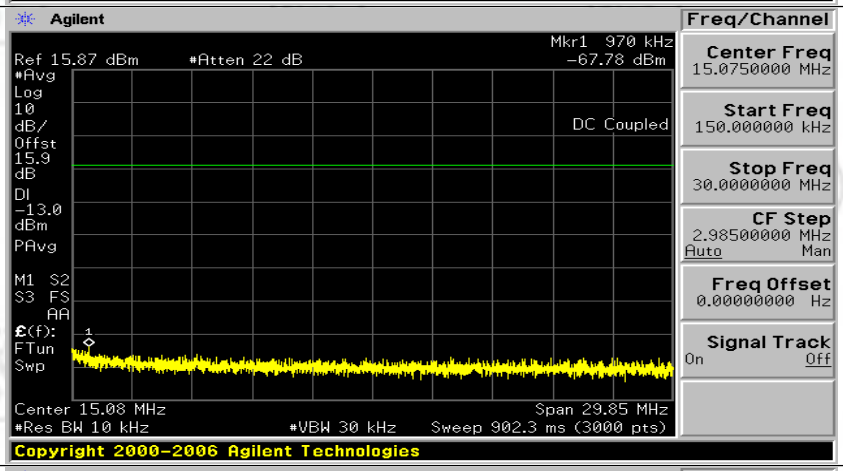


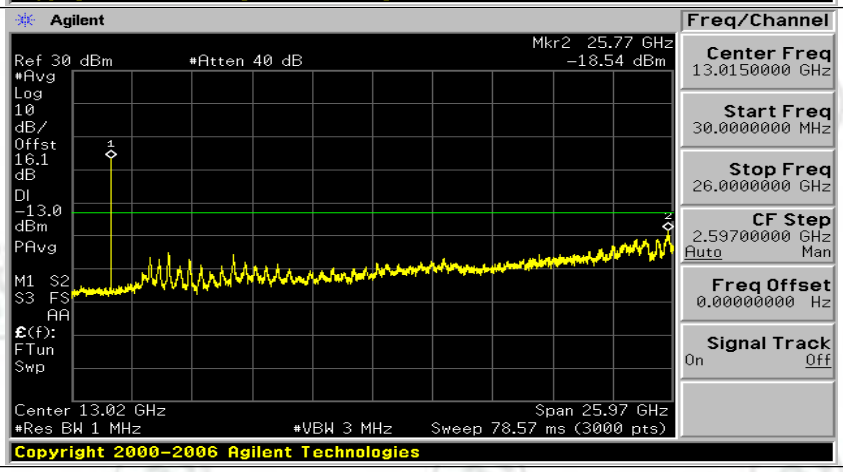


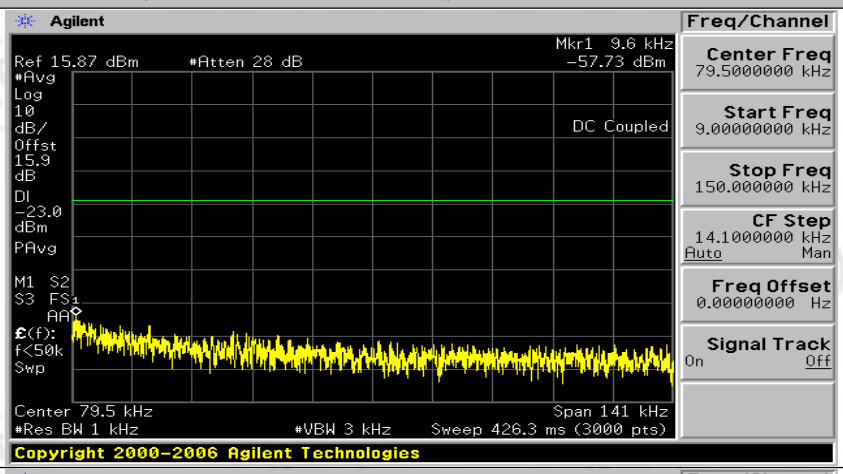
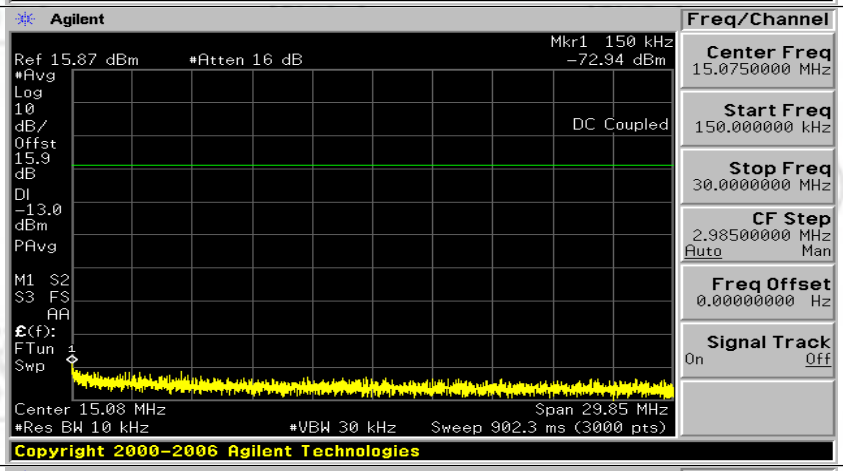
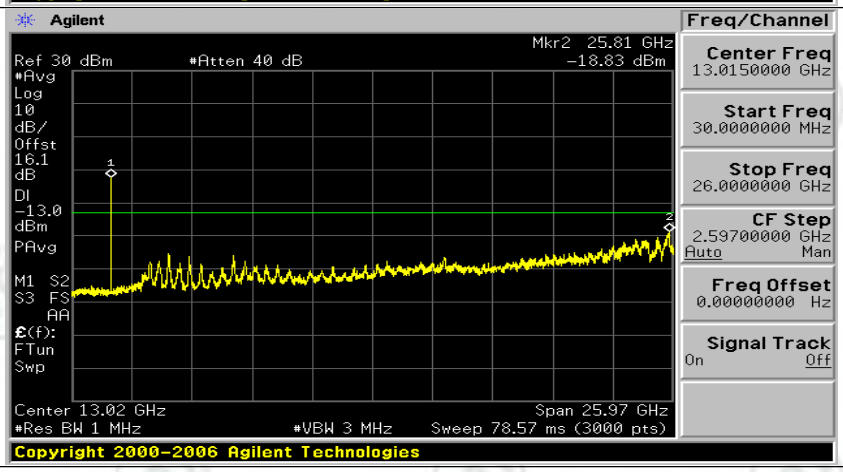


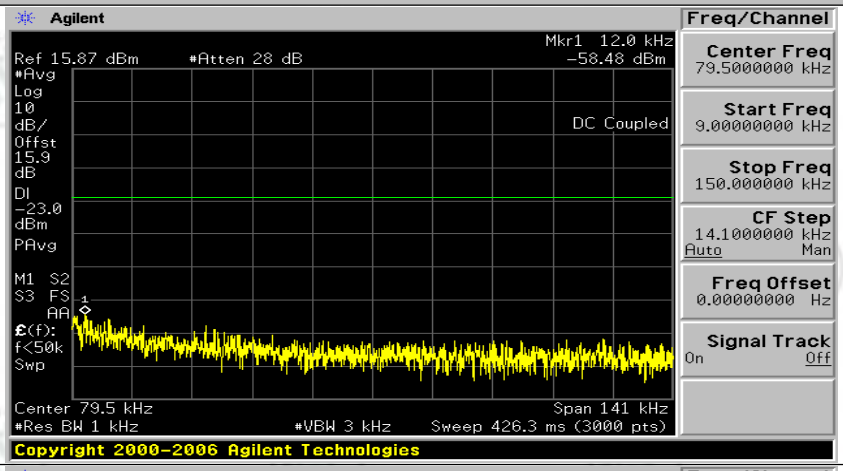
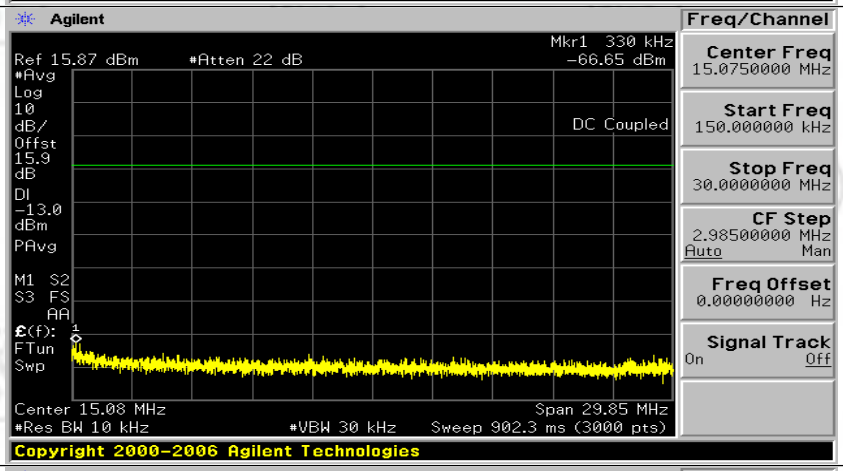
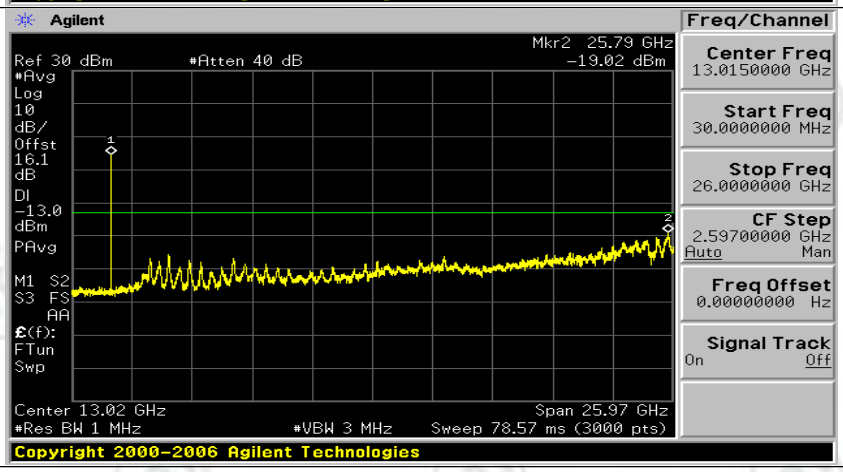
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74

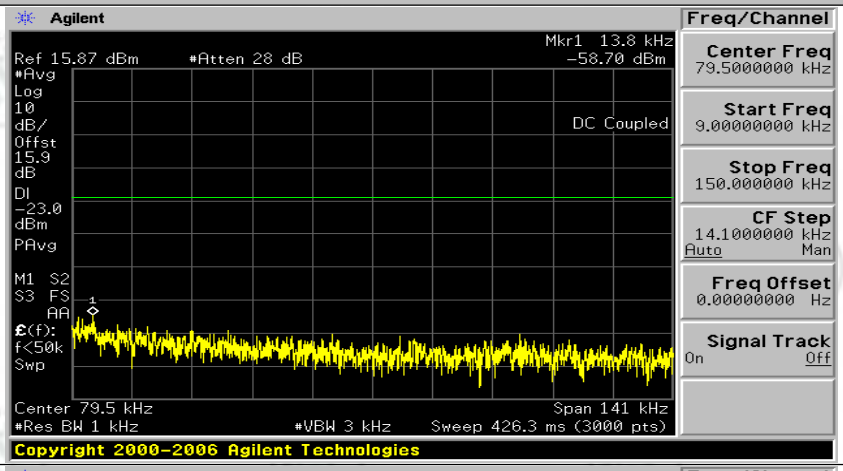
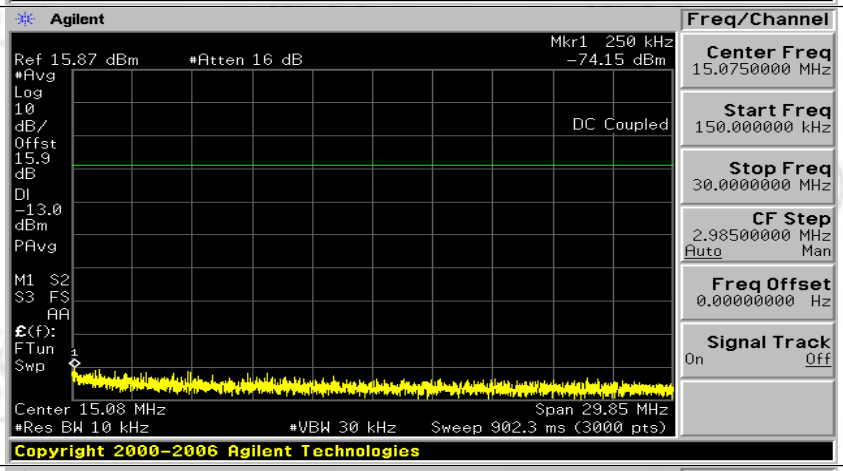
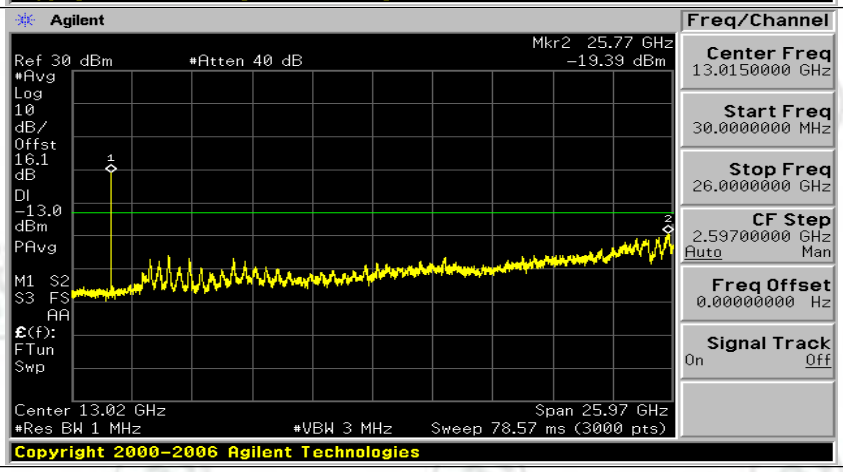




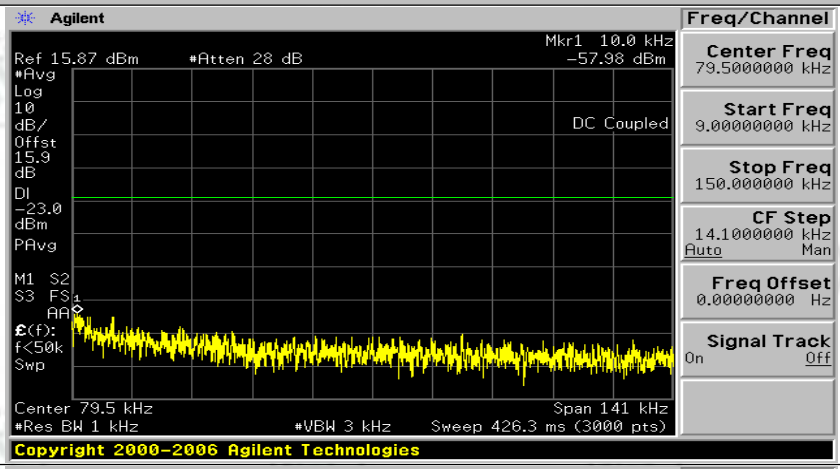


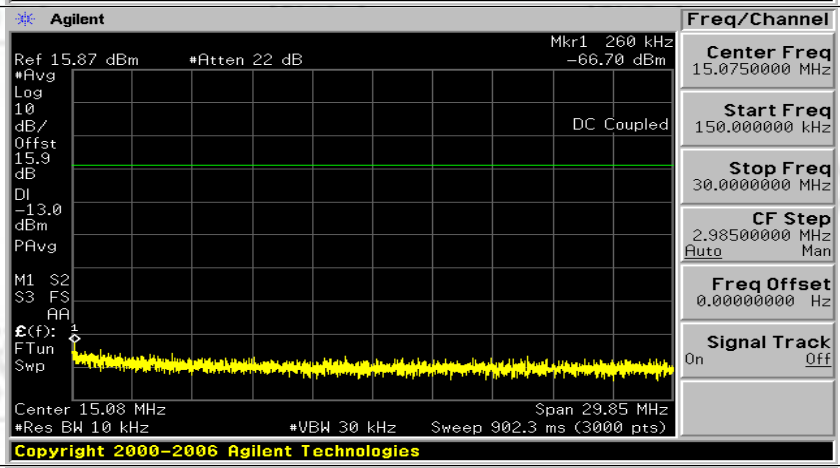
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0




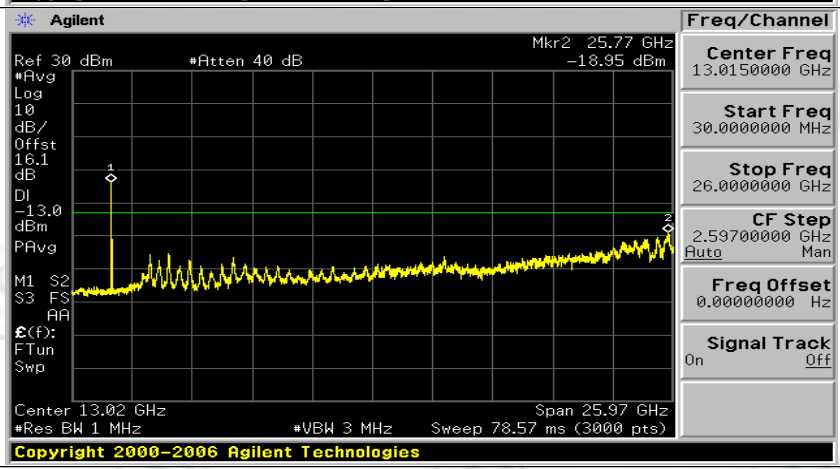
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37




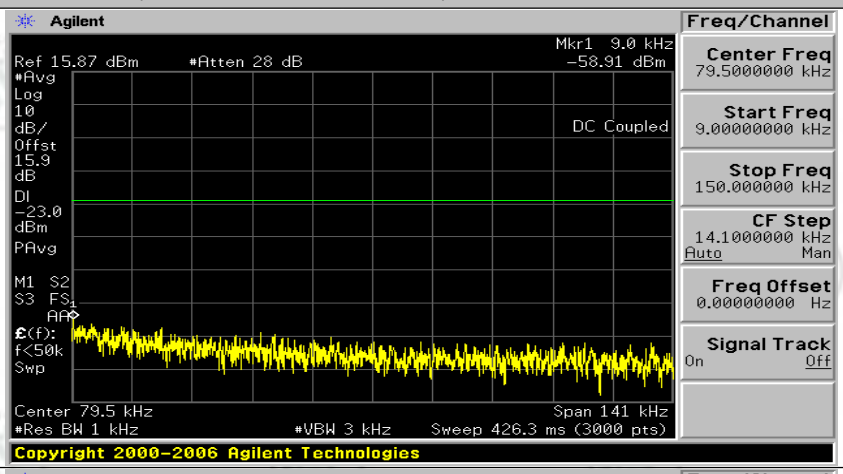
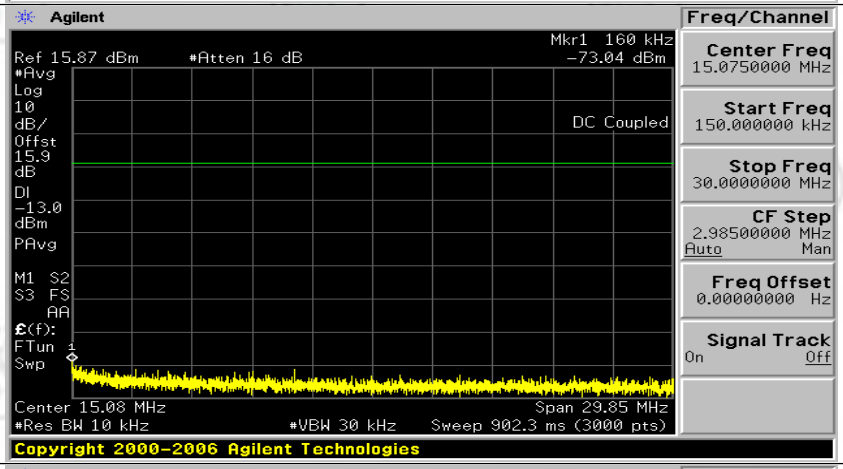
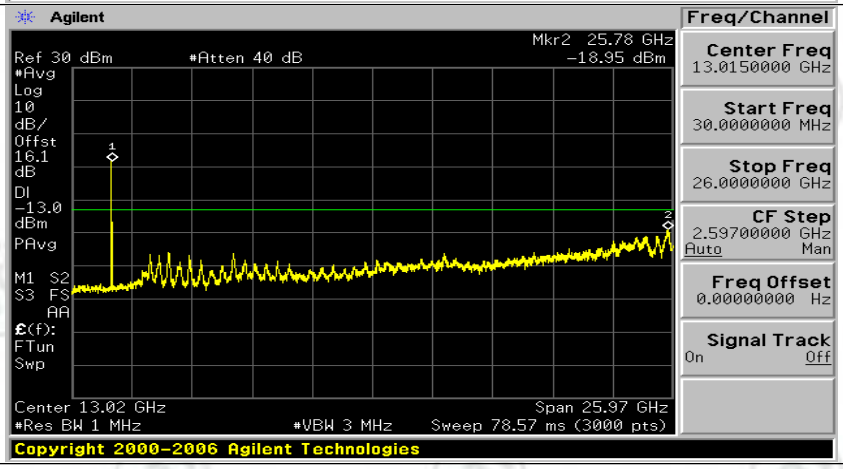
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74




(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

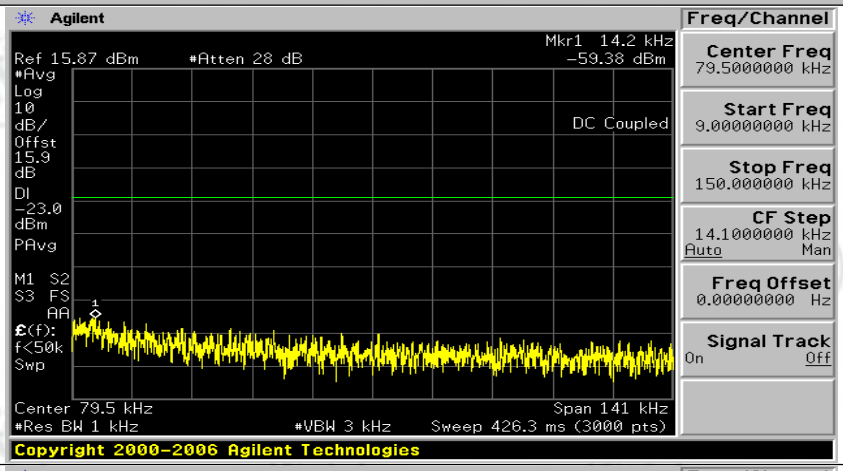


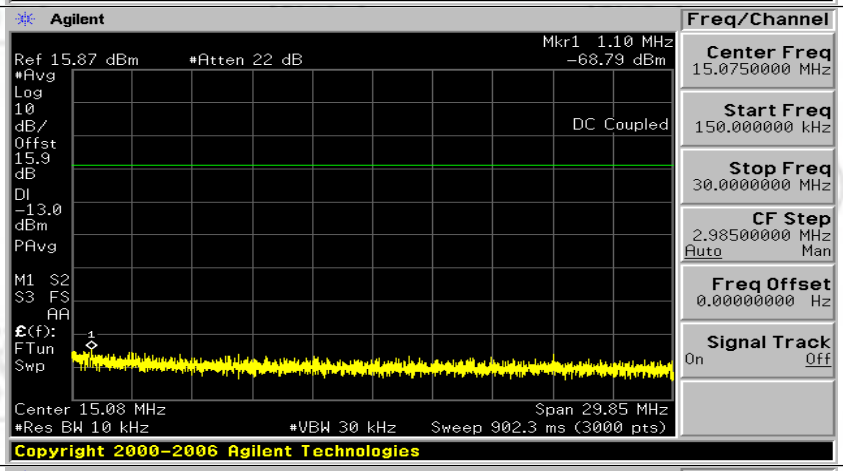


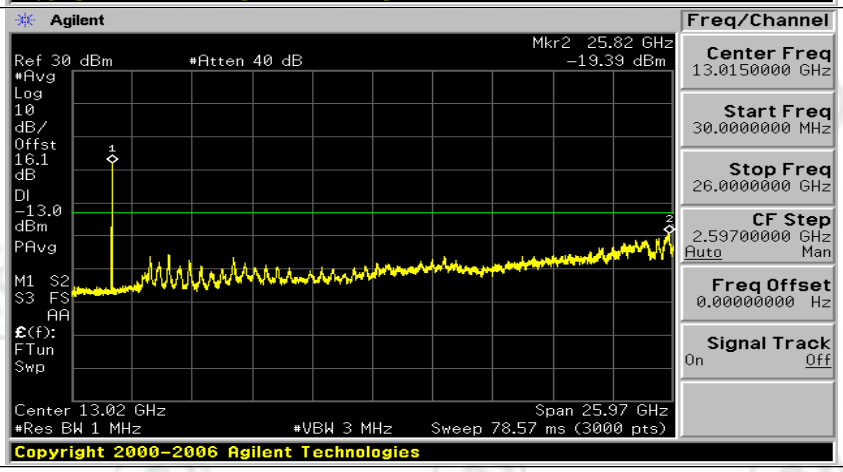


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37




(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

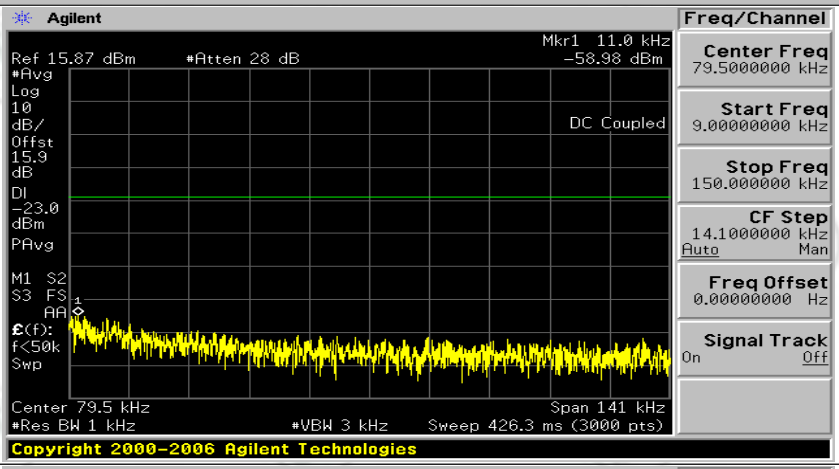


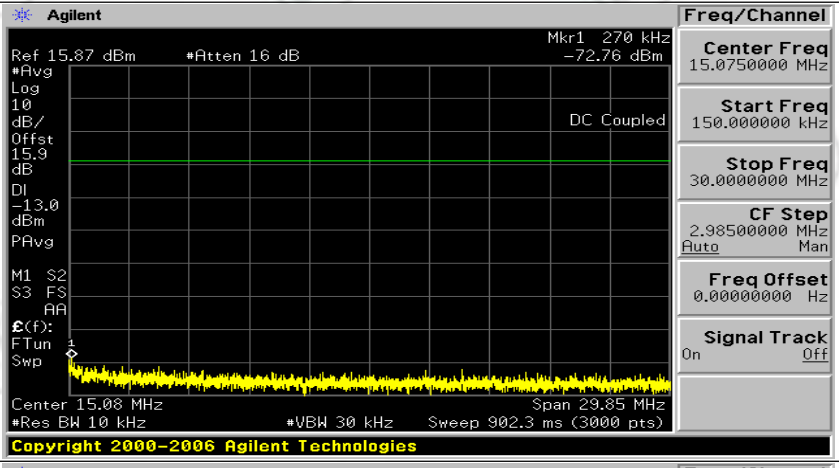


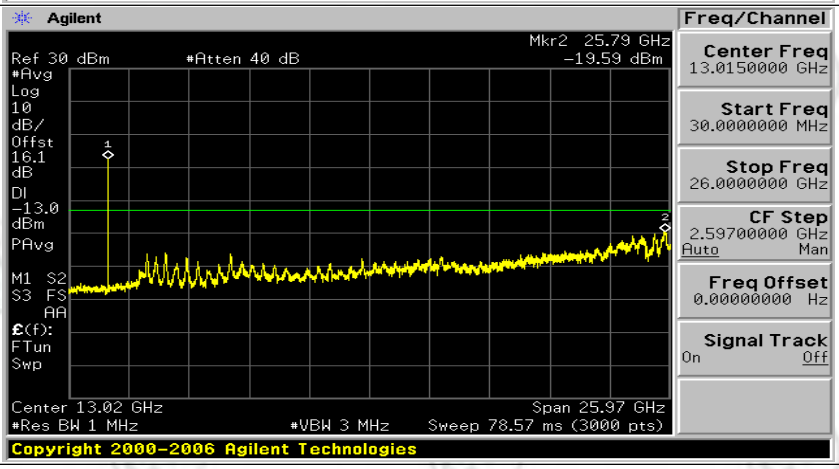


Channel Bandwidth: 20 MHz

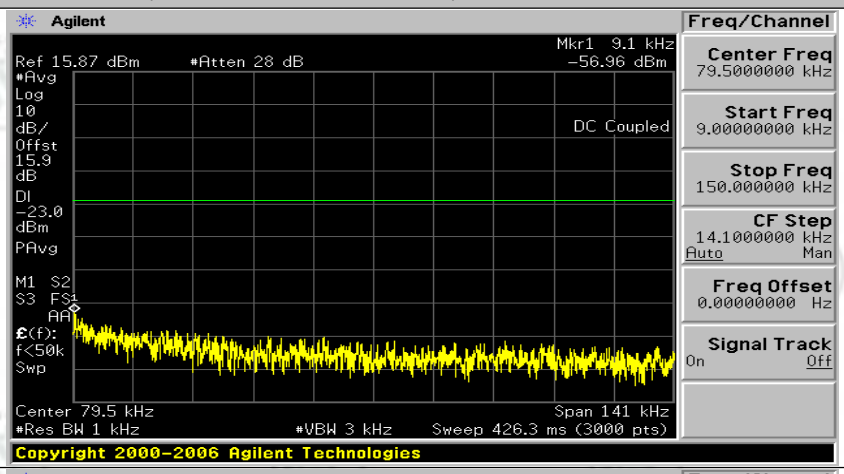
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

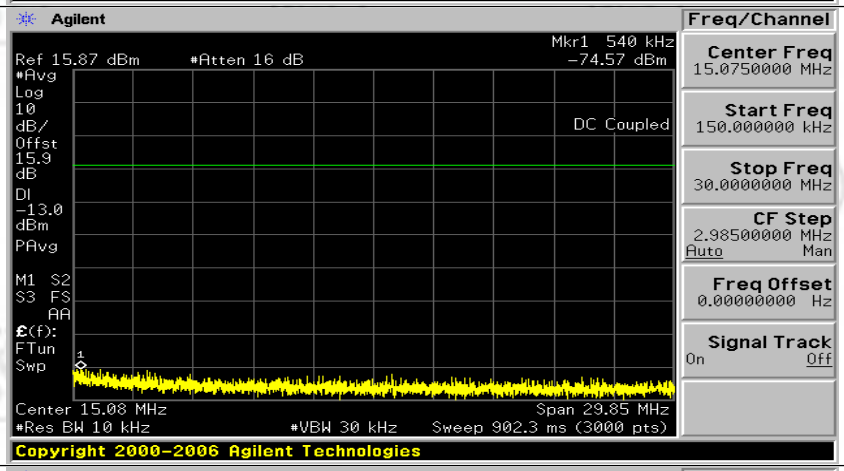


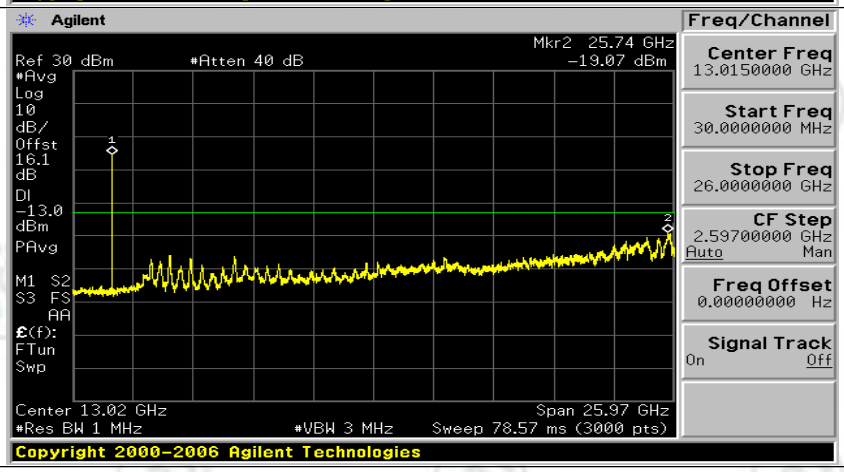




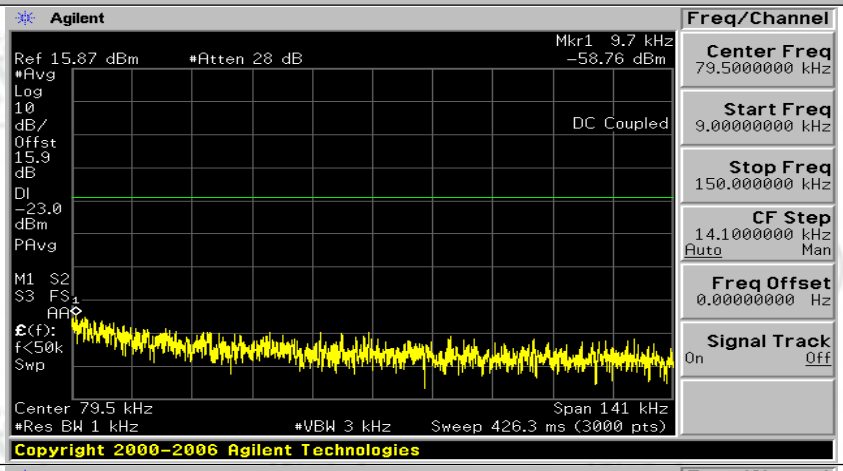
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

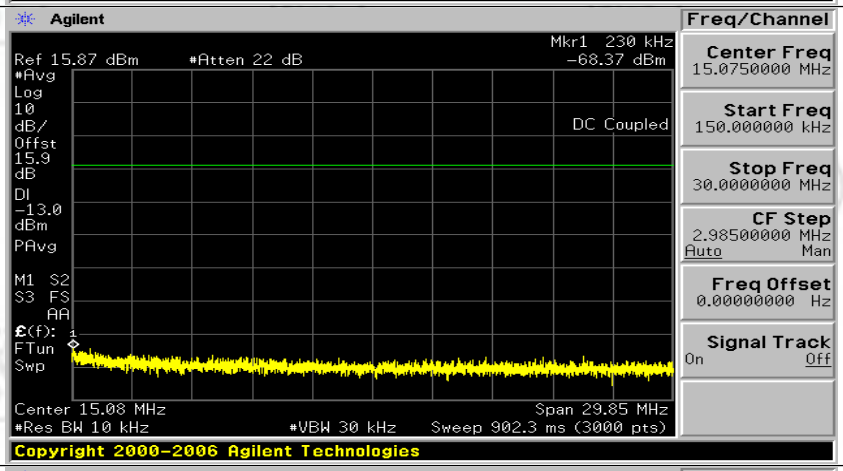


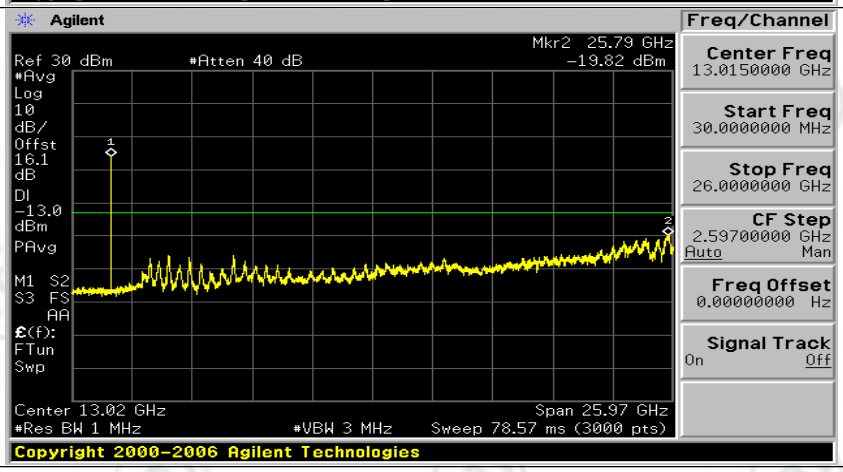


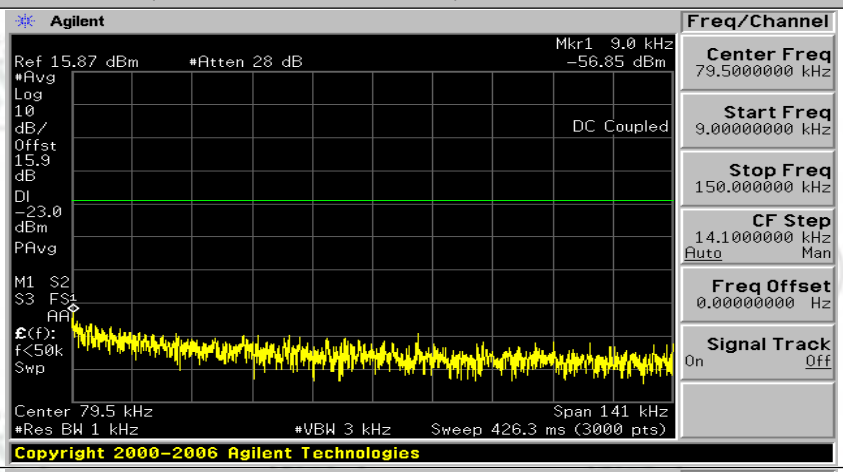
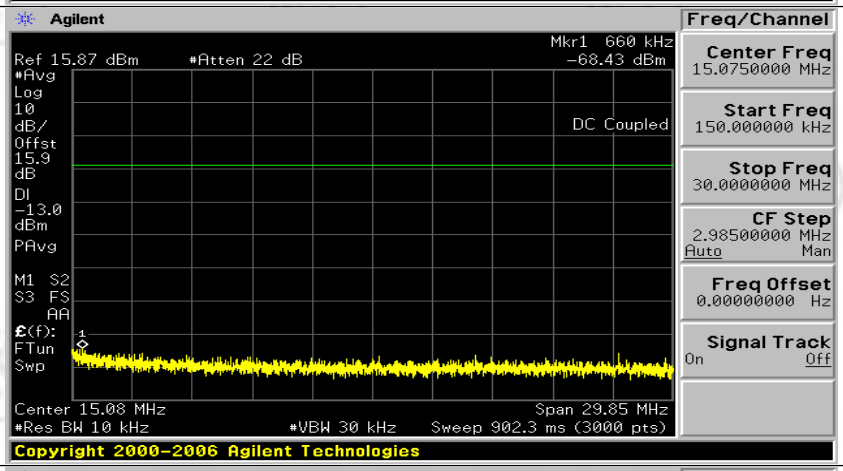
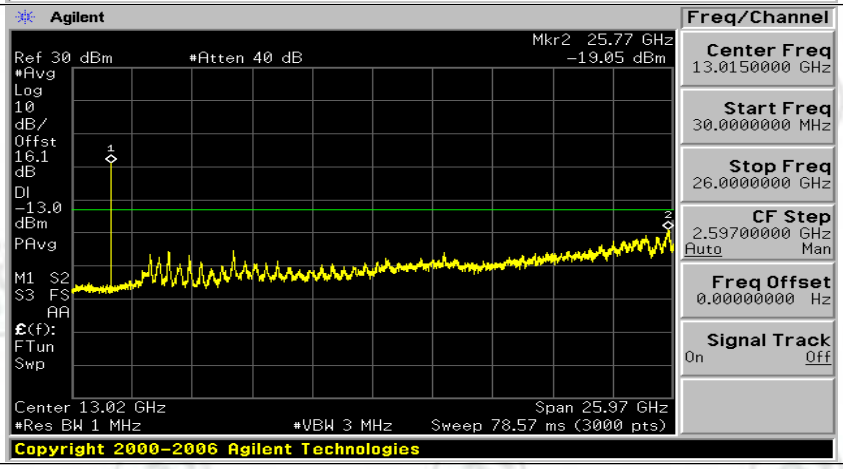


(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99

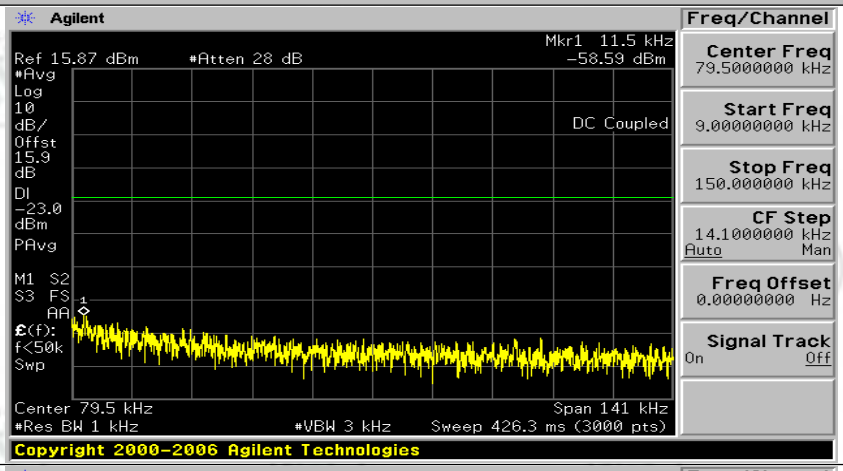


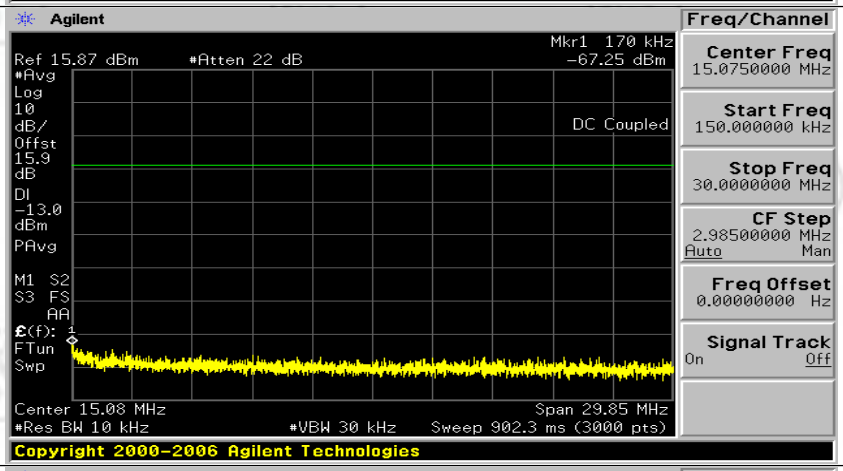


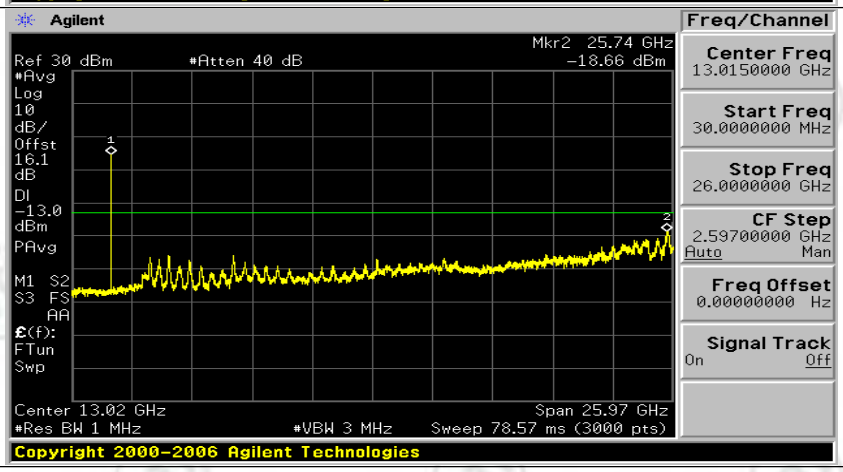


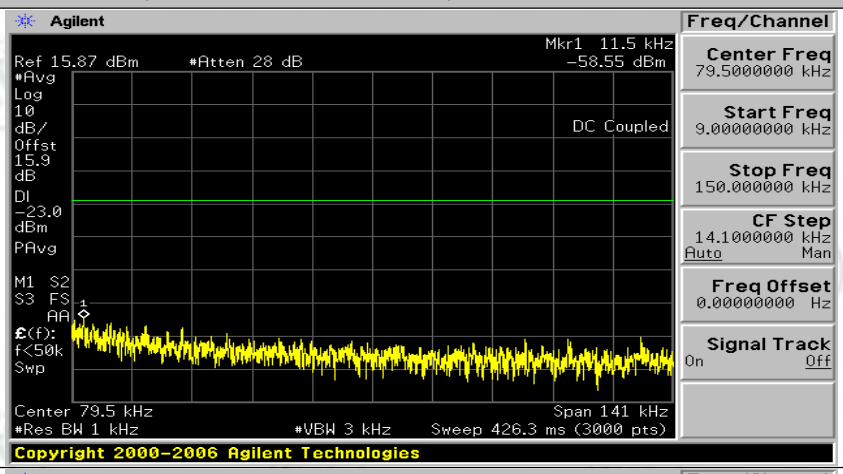
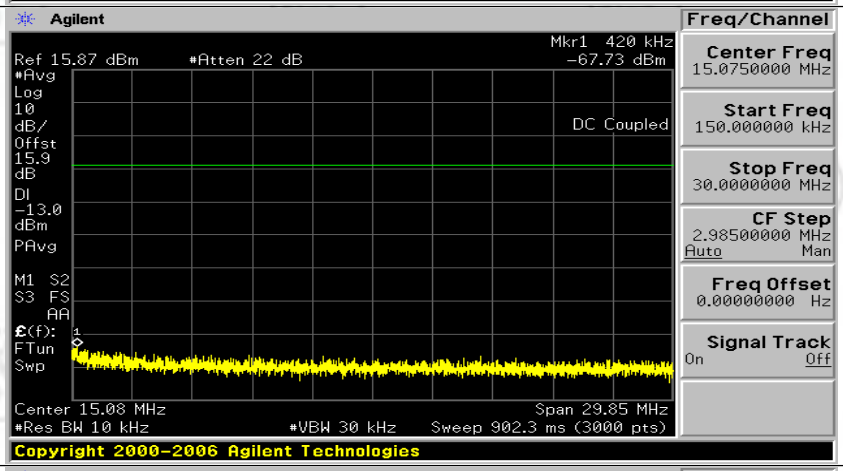
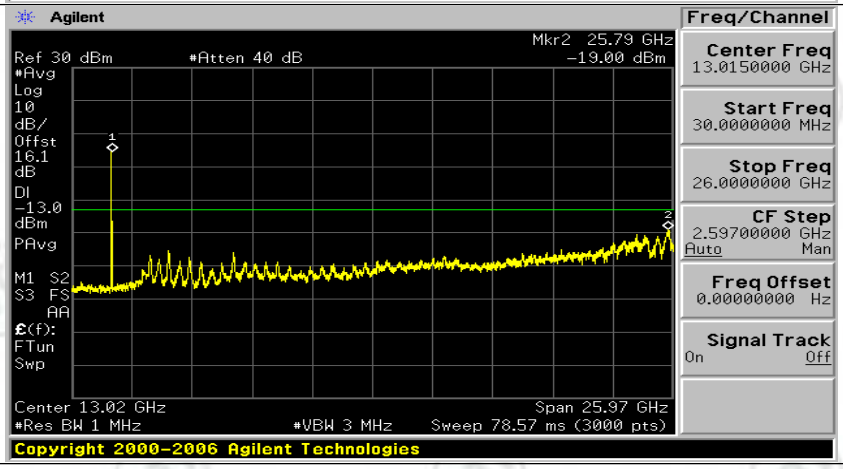
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0




(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

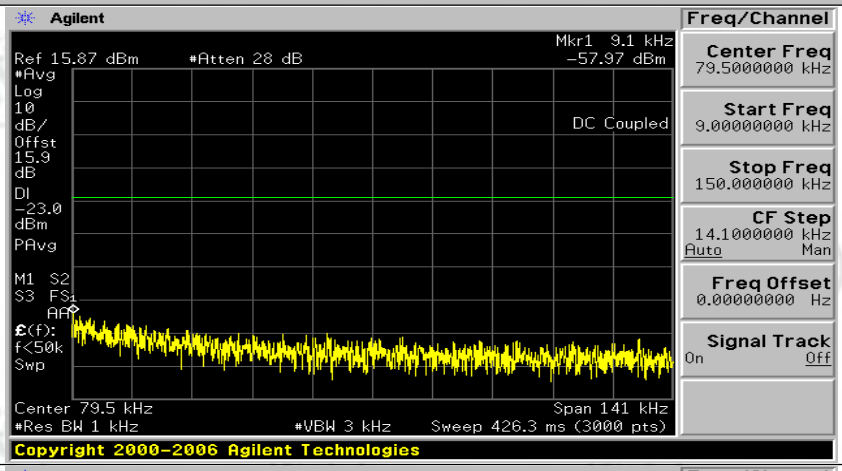


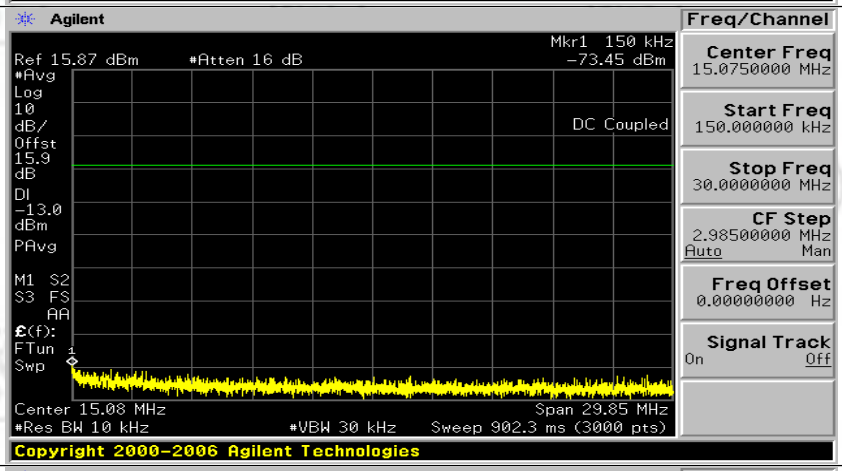


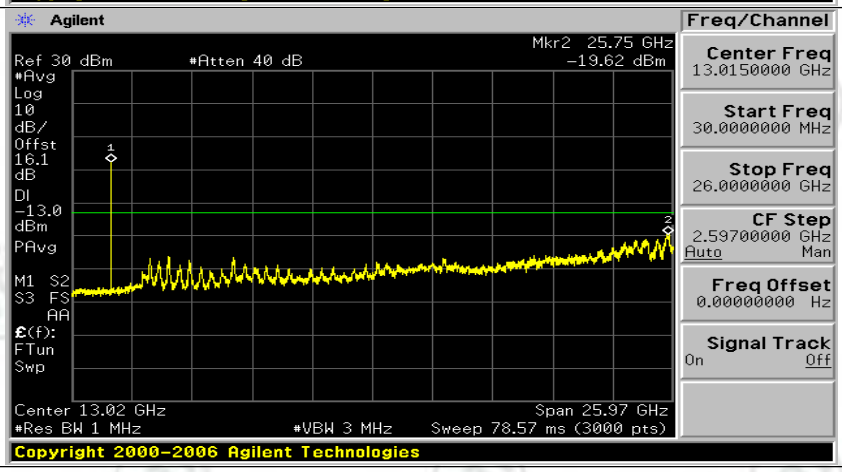


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99




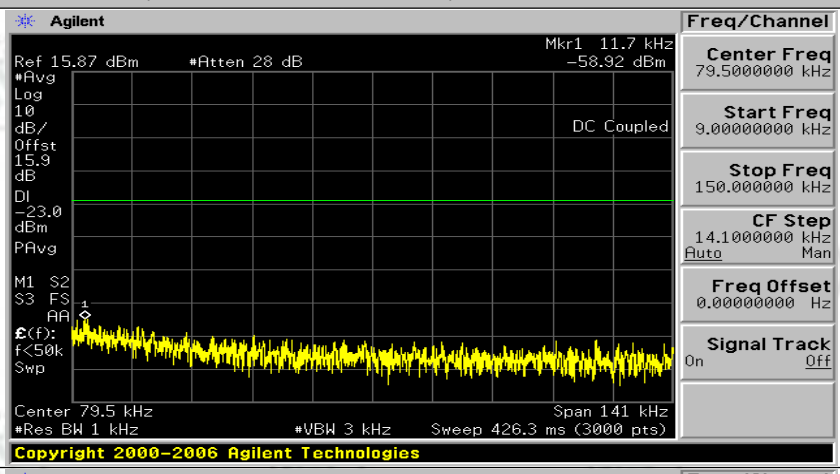
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

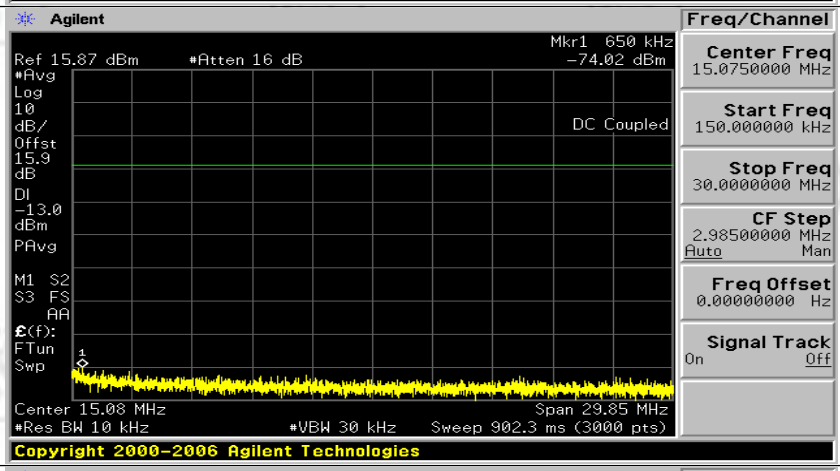


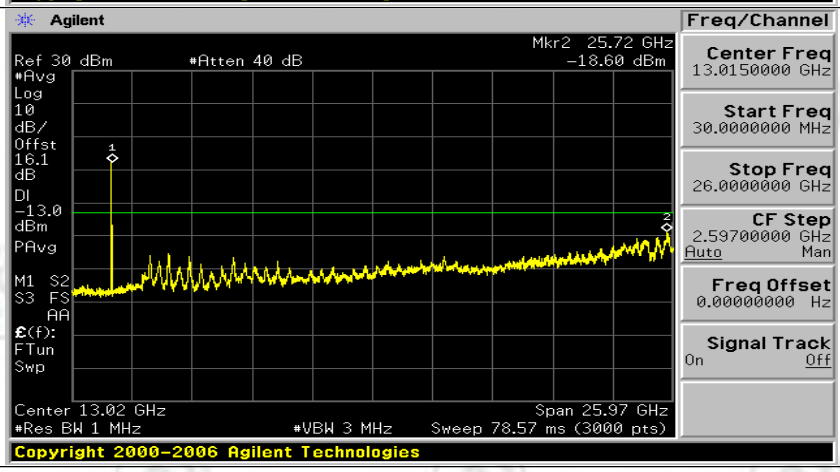




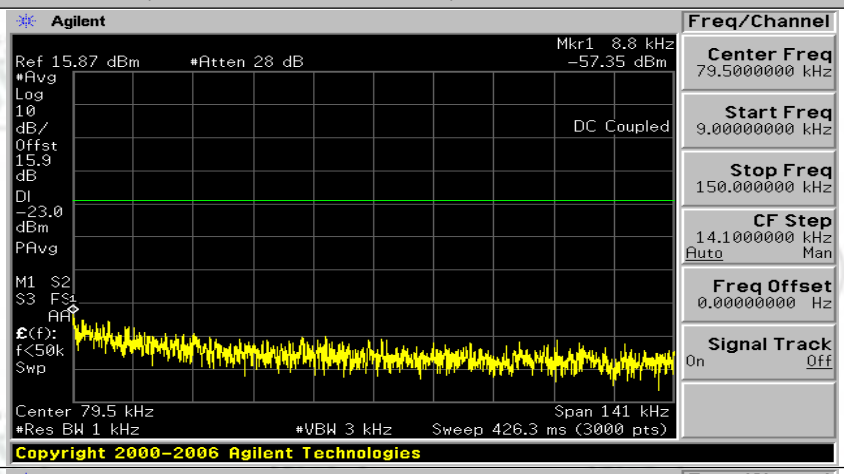
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

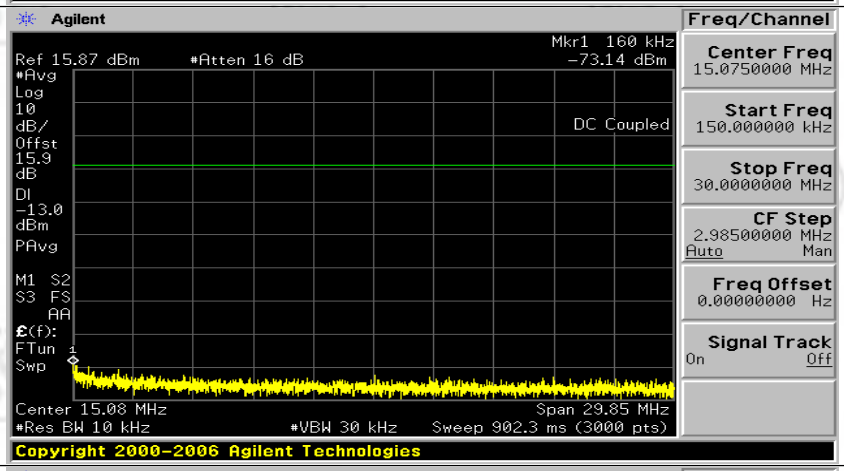


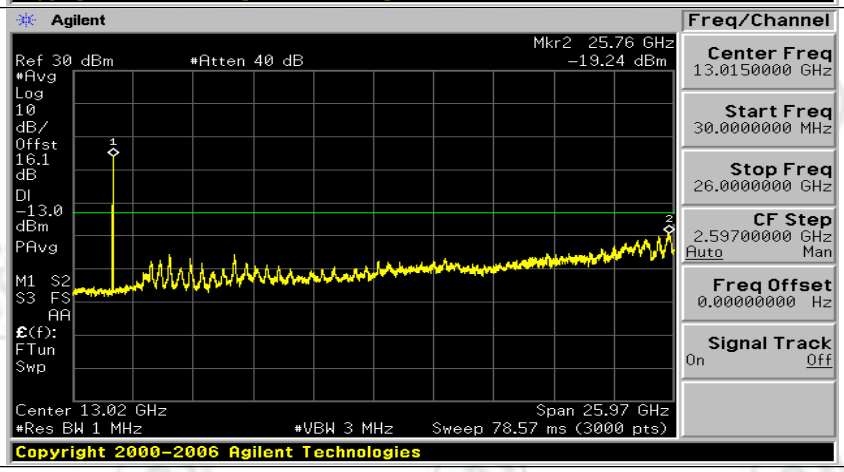




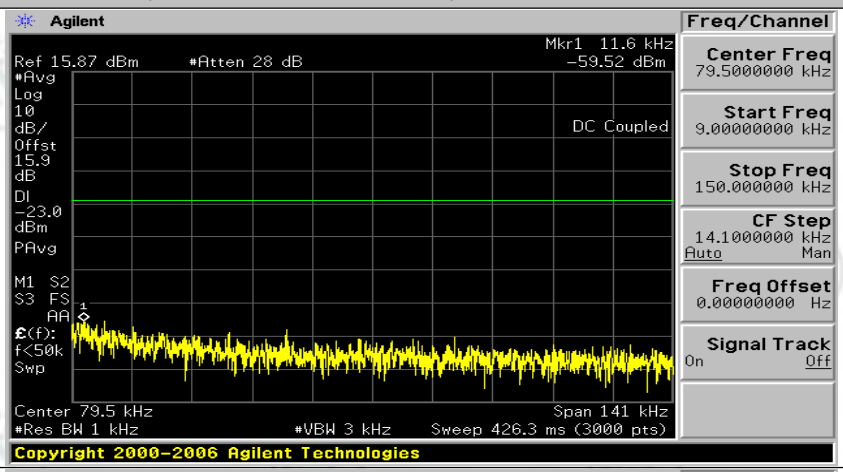
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

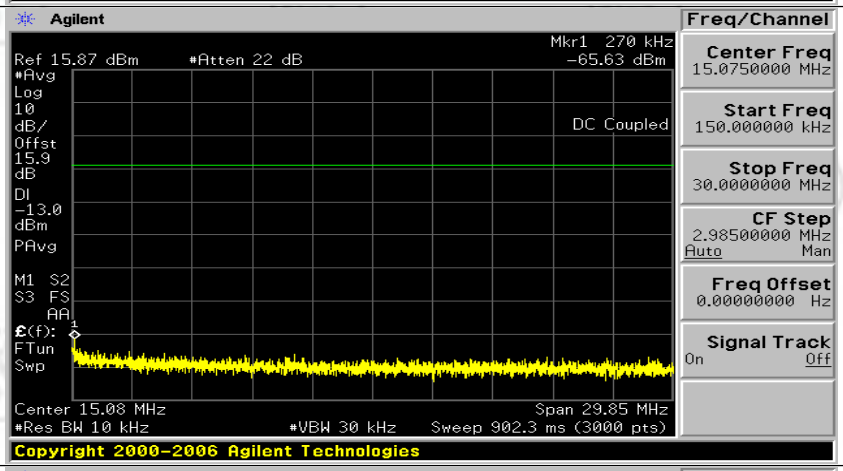


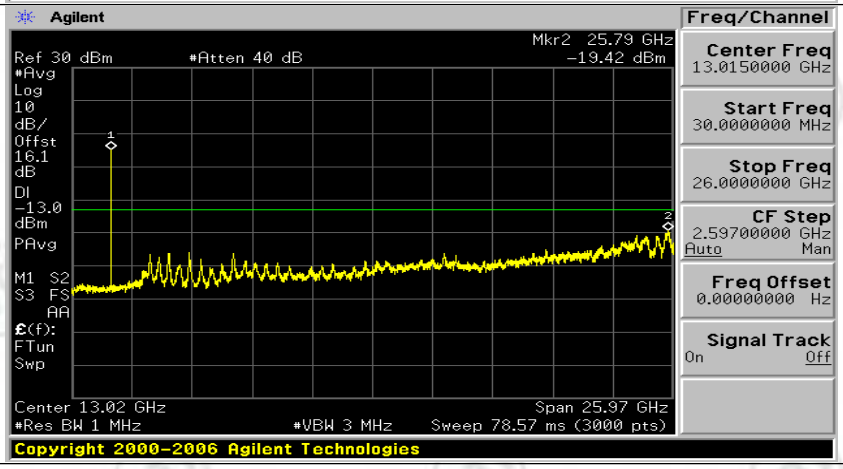




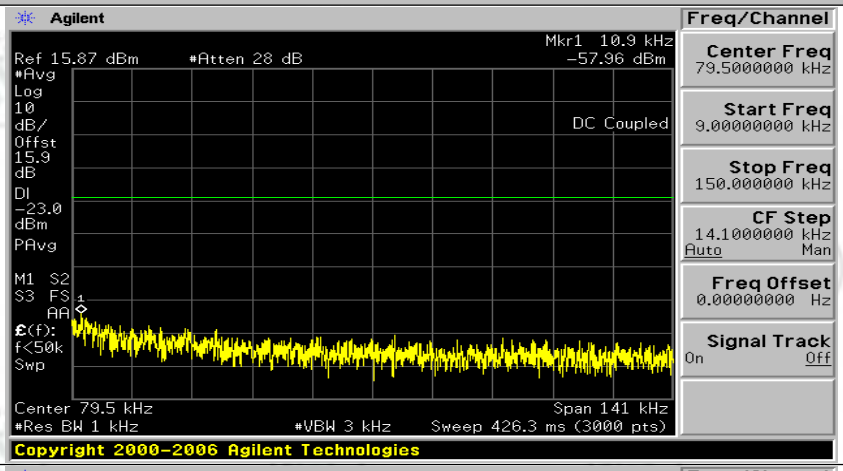
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

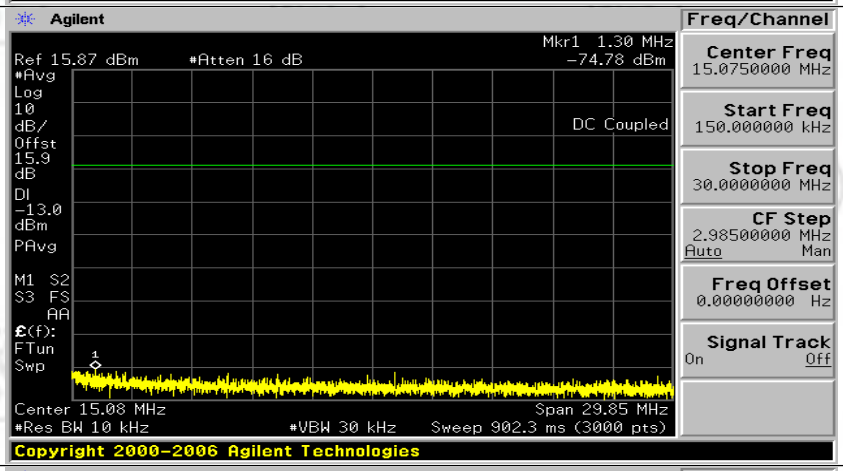


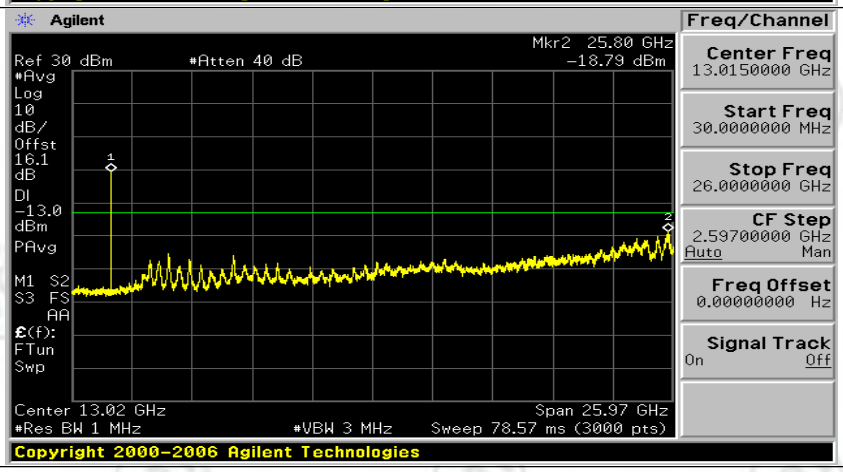


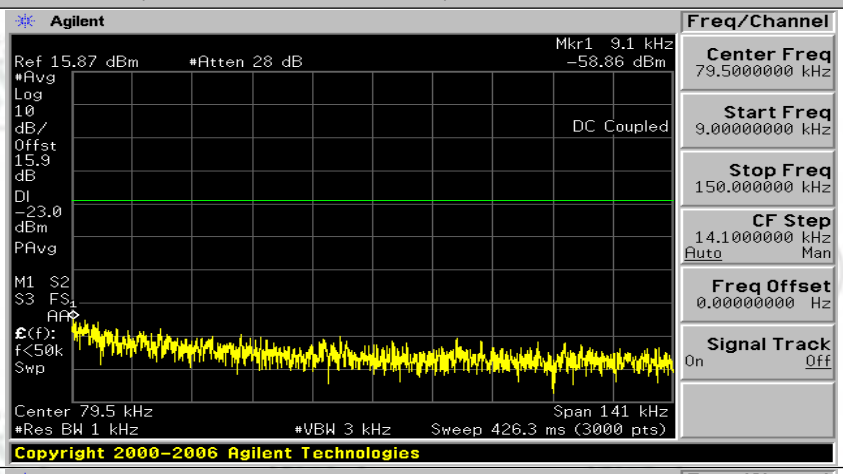
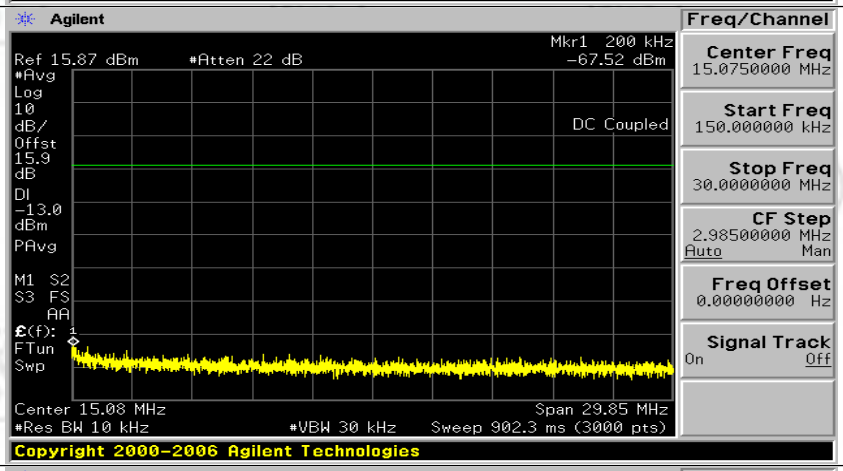
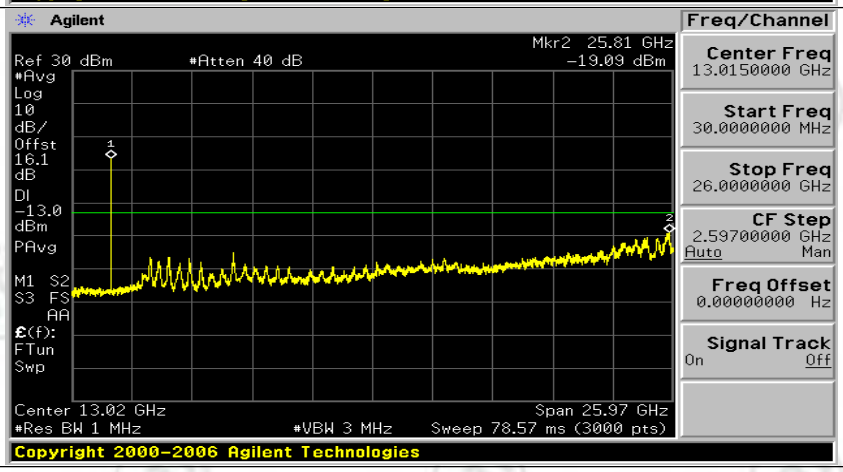


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

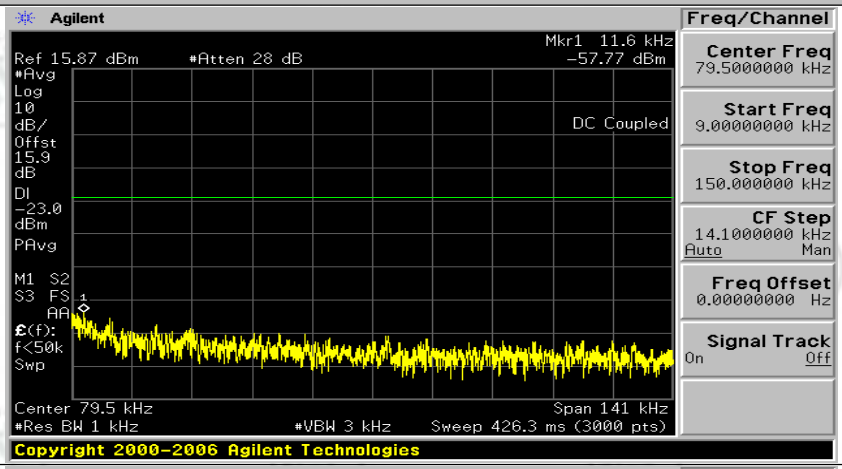


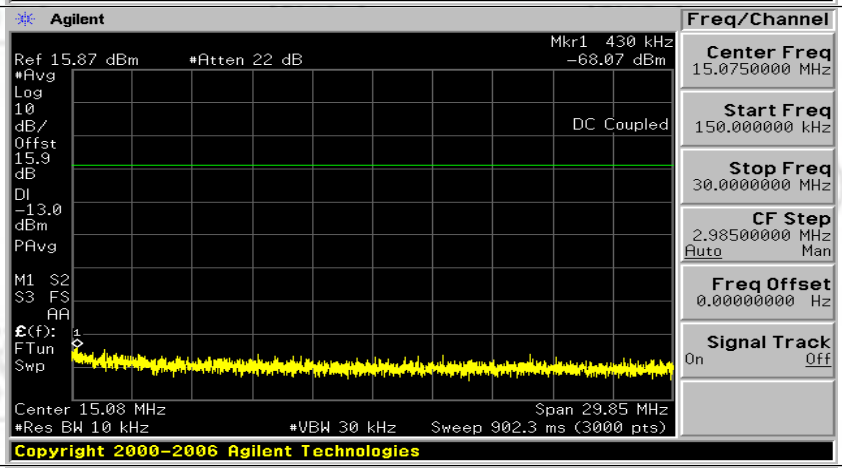


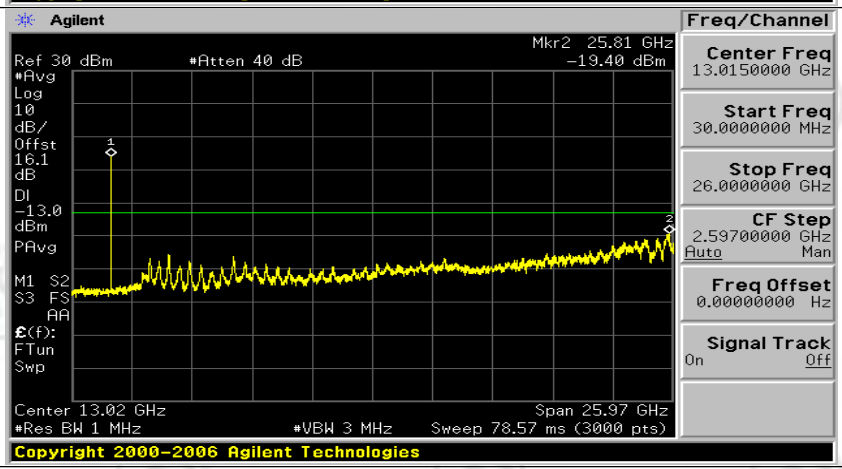


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99




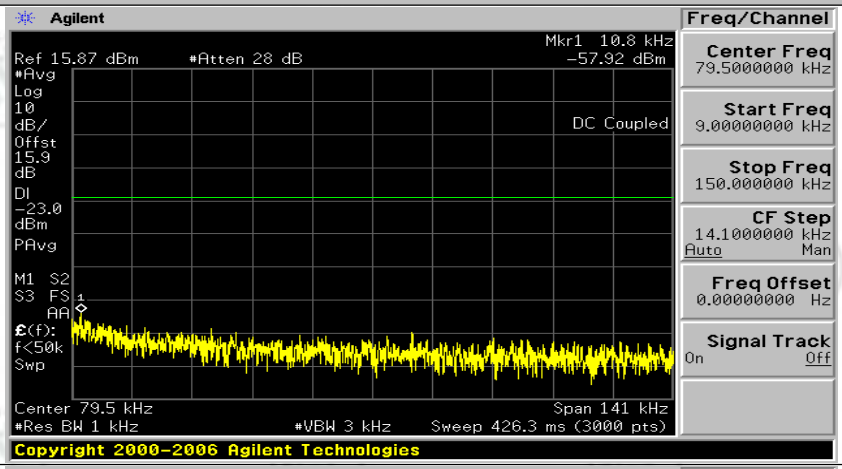
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

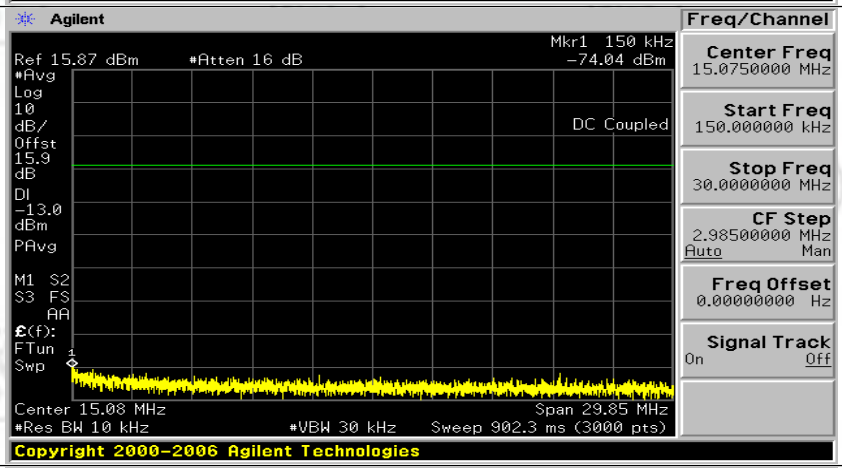


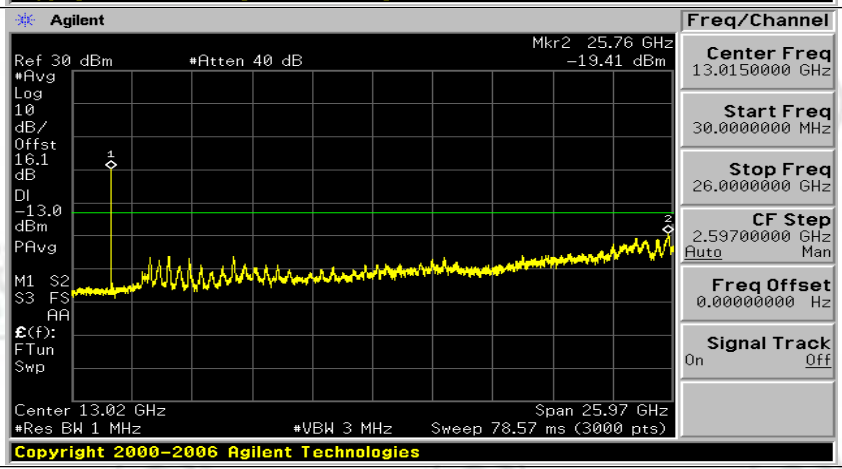




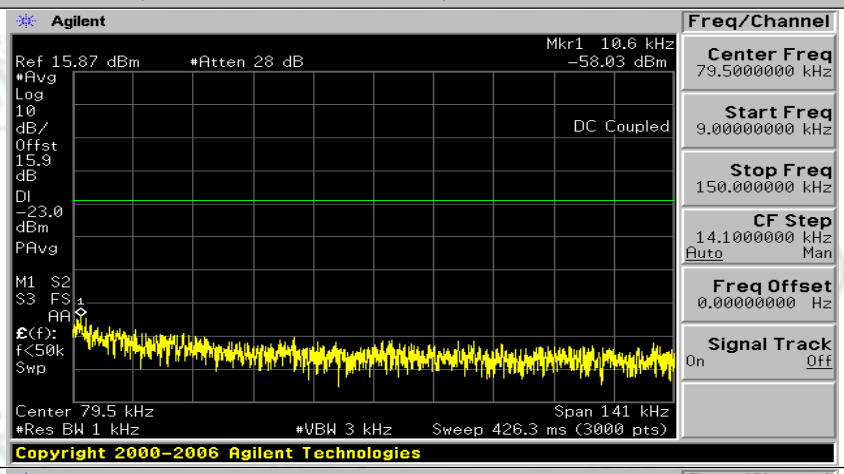
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0

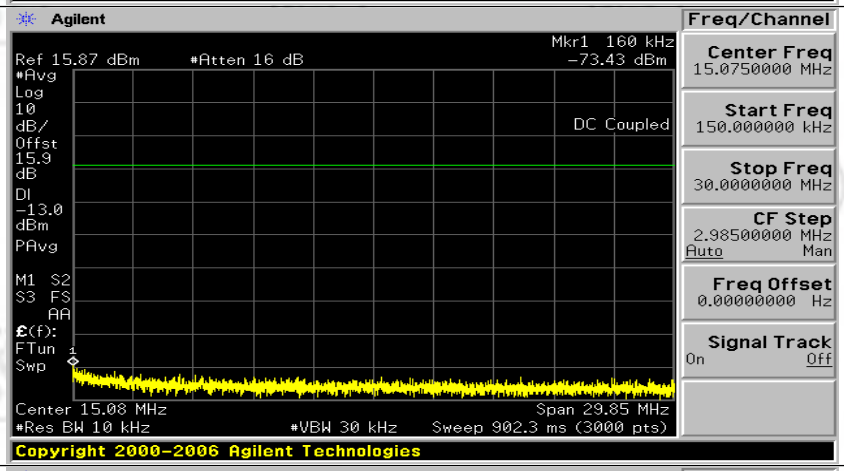


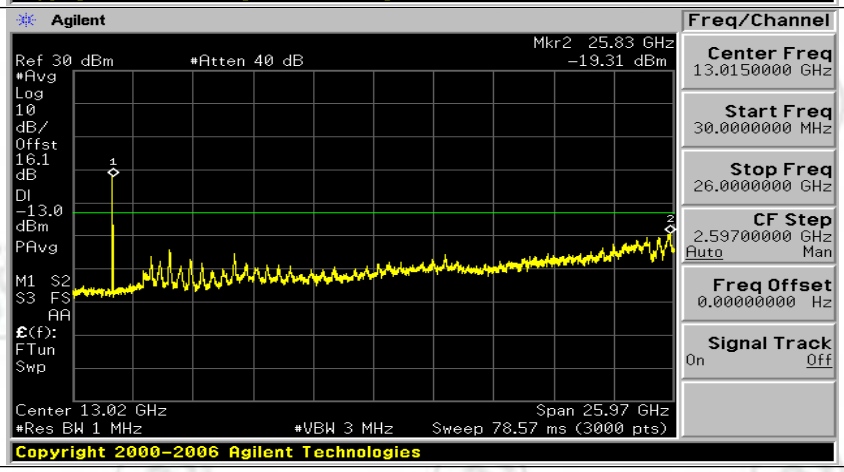




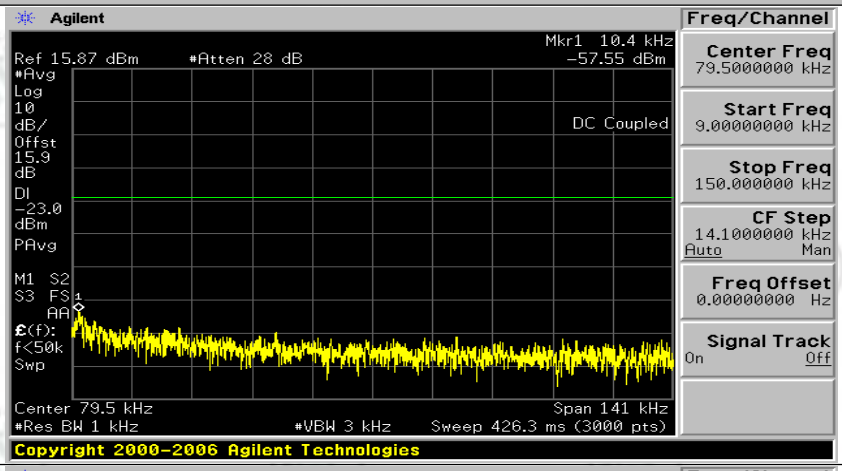
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49

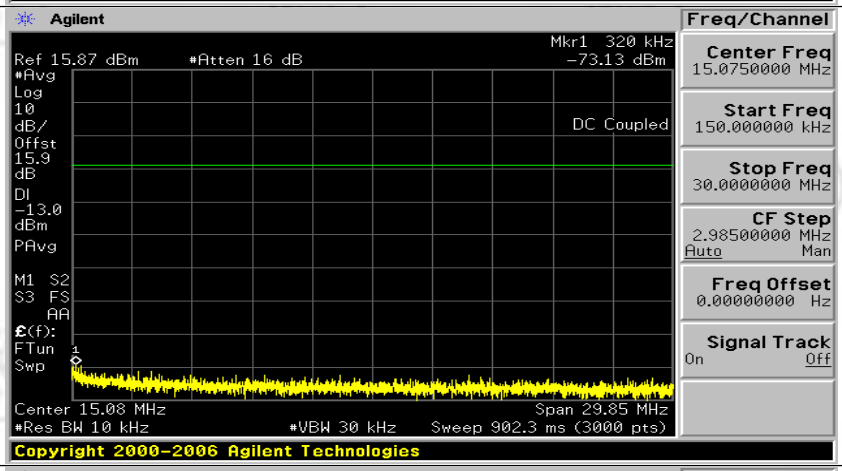


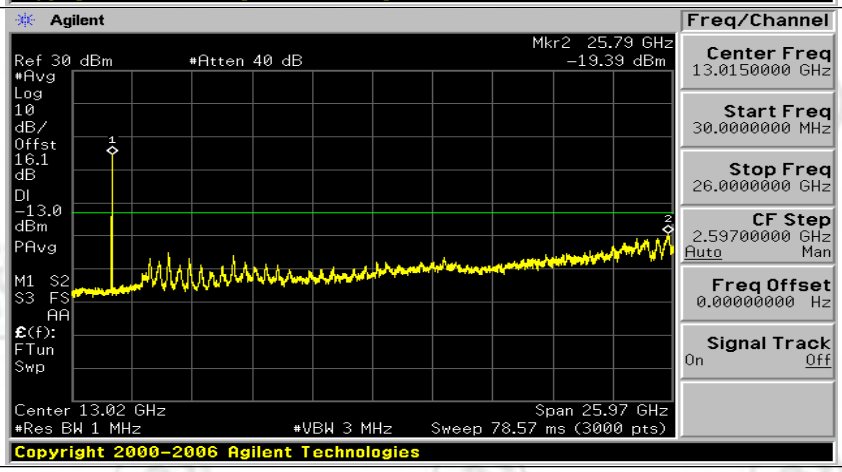




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99







Appendix F: Frequency Stability

Test Result

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

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-3.35	-0.001957	± 2.5	PASS
		VN	TN	-3.02	-0.001764	± 2.5	PASS
		VH	TN	-1.60	-0.000937	± 2.5	PASS
	MCH	VL	TN	2.27	0.001313	± 2.5	PASS
		VN	TN	1.20	0.000694	± 2.5	PASS
		VH	TN	2.47	0.001428	± 2.5	PASS
	HCH	VL	TN	-2.27	-0.001297	± 2.5	PASS
		VN	TN	-2.69	-0.001533	± 2.5	PASS
		VH	TN	-4.82	-0.002748	± 2.5	PASS
16QAM	LCH	VL	TN	-2.92	-0.001706	± 2.5	PASS
		VN	TN	-5.48	-0.003203	± 2.5	PASS
		VH	TN	-6.37	-0.003721	± 2.5	PASS
	MCH	VL	TN	2.86	0.001651	± 2.5	PASS
		VN	TN	3.36	0.001940	± 2.5	PASS
		VH	TN	3.13	0.001808	± 2.5	PASS
	HCH	VL	TN	-2.78	-0.001582	± 2.5	PASS
		VN	TN	-6.55	-0.003735	± 2.5	PASS
		VH	TN	-4.56	-0.002601	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-7.32	-0.004281	± 2.5	PASS
		VN	-20	-5.36	-0.003136	± 2.5	PASS
		VN	-10	-6.15	-0.003596	± 2.5	PASS
		VN	0	-5.75	-0.003362	± 2.5	PASS
		VN	10	-5.41	-0.003161	± 2.5	PASS
		VN	20	-3.33	-0.001948	± 2.5	PASS
		VN	30	-5.87	-0.003428	± 2.5	PASS
		VN	40	-4.71	-0.002751	± 2.5	PASS
		VN	50	-3.96	-0.002316	± 2.5	PASS
	MCH	VN	-30	0.60	0.000347	± 2.5	PASS
		VN	-20	1.34	0.000776	± 2.5	PASS
		VN	-10	1.13	0.000652	± 2.5	PASS
		VN	0	2.59	0.001495	± 2.5	PASS
		VN	10	1.23	0.000710	± 2.5	PASS
		VN	20	1.50	0.000867	± 2.5	PASS
		VN	30	1.52	0.000875	± 2.5	PASS
		VN	40	3.62	0.002089	± 2.5	PASS
		VN	50	1.39	0.000801	± 2.5	PASS
	HCH	VN	-30	-3.50	-0.001998	± 2.5	PASS

		VN	-20	-3.16	-0.001802	± 2.5	PASS
		VN	-10	-3.45	-0.001965	± 2.5	PASS
		VN	0	-3.88	-0.002210	± 2.5	PASS
		VN	10	-4.78	-0.002724	± 2.5	PASS
		VN	20	-3.02	-0.001721	± 2.5	PASS
		VN	30	-3.59	-0.002047	± 2.5	PASS
		VN	40	-4.81	-0.002740	± 2.5	PASS
		VN	50	-3.46	-0.001973	± 2.5	PASS
16QAM	LCH	VN	-30	-3.28	-0.001915	± 2.5	PASS
		VN	-20	-4.78	-0.002793	± 2.5	PASS
		VN	-10	-6.01	-0.003512	± 2.5	PASS
		VN	0	-4.98	-0.002910	± 2.5	PASS
		VN	10	-1.33	-0.000778	± 2.5	PASS
		VN	20	-3.42	-0.001999	± 2.5	PASS
		VN	30	-3.72	-0.002174	± 2.5	PASS
		VN	40	-4.46	-0.002609	± 2.5	PASS
		VN	50	-3.22	-0.001881	± 2.5	PASS
	MCH	VN	-30	-0.87	-0.000504	± 2.5	PASS
		VN	-20	2.12	0.001222	± 2.5	PASS
		VN	-10	0.46	0.000264	± 2.5	PASS
		VN	0	0.27	0.000157	± 2.5	PASS
		VN	10	2.80	0.001618	± 2.5	PASS
		VN	20	2.72	0.001569	± 2.5	PASS
		VN	30	3.46	0.001998	± 2.5	PASS
		VN	40	0.77	0.000446	± 2.5	PASS
		VN	50	1.22	0.000702	± 2.5	PASS
	HCH	VN	-30	-7.14	-0.004069	± 2.5	PASS
		VN	-20	-2.40	-0.001370	± 2.5	PASS
		VN	-10	-3.78	-0.002153	± 2.5	PASS
		VN	0	-4.08	-0.002324	± 2.5	PASS
		VN	10	-3.96	-0.002259	± 2.5	PASS
		VN	20	-1.85	-0.001052	± 2.5	PASS
		VN	30	-3.55	-0.002022	± 2.5	PASS
		VN	40	-3.43	-0.001957	± 2.5	PASS
		VN	50	-4.66	-0.002658	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.89	-0.001103	± 2.5	PASS
		VN	TN	-2.76	-0.001613	± 2.5	PASS
		VH	TN	-1.39	-0.000811	± 2.5	PASS
	MCH	VL	TN	0.82	0.000471	± 2.5	PASS
		VN	TN	1.70	0.000983	± 2.5	PASS
		VH	TN	0.90	0.000520	± 2.5	PASS
	HCH	VL	TN	2.07	0.001183	± 2.5	PASS
		VN	TN	1.04	0.000596	± 2.5	PASS
		VH	TN	0.64	0.000367	± 2.5	PASS

16QAM	LCH	VL	TN	-3.02	-0.001764	± 2.5	PASS
		VN	TN	-2.69	-0.001571	± 2.5	PASS
		VH	TN	-3.26	-0.001906	± 2.5	PASS
	MCH	VL	TN	-0.13	-0.000074	± 2.5	PASS
		VN	TN	1.65	0.000950	± 2.5	PASS
		VH	TN	1.80	0.001040	± 2.5	PASS
	HCH	VL	TN	0.80	0.000457	± 2.5	PASS
		VN	TN	2.57	0.001468	± 2.5	PASS
		VH	TN	2.33	0.001330	± 2.5	PASS

Temperature

Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.37	0.000217	± 2.5	PASS
		VN	-20	-4.52	-0.002641	± 2.5	PASS
		VN	-10	-0.54	-0.000318	± 2.5	PASS
		VN	0	-3.22	-0.001881	± 2.5	PASS
		VN	10	-2.06	-0.001204	± 2.5	PASS
		VN	20	-3.56	-0.002081	± 2.5	PASS
		VN	30	-3.81	-0.002223	± 2.5	PASS
		VN	40	-1.65	-0.000961	± 2.5	PASS
		VN	50	0.34	0.000201	± 2.5	PASS
	MCH	VN	-30	2.20	0.001272	± 2.5	PASS
		VN	-20	2.17	0.001255	± 2.5	PASS
		VN	-10	2.45	0.001412	± 2.5	PASS
		VN	0	0.64	0.000372	± 2.5	PASS
		VN	10	2.47	0.001428	± 2.5	PASS
		VN	20	1.09	0.000628	± 2.5	PASS
		VN	30	0.94	0.000545	± 2.5	PASS
		VN	40	1.46	0.000842	± 2.5	PASS
		VN	50	1.20	0.000694	± 2.5	PASS
	HCH	VN	-30	1.66	0.000946	± 2.5	PASS
		VN	-20	0.26	0.000147	± 2.5	PASS
		VN	-10	2.36	0.001346	± 2.5	PASS
		VN	0	2.36	0.001346	± 2.5	PASS
		VN	10	3.72	0.002121	± 2.5	PASS
		VN	20	2.52	0.001436	± 2.5	PASS
		VN	30	0.59	0.000334	± 2.5	PASS
		VN	40	1.83	0.001044	± 2.5	PASS
		VN	50	0.04	0.000024	± 2.5	PASS
16QAM	LCH	VN	-30	-1.49	-0.000869	± 2.5	PASS
		VN	-20	-1.90	-0.001112	± 2.5	PASS
		VN	-10	-1.42	-0.000827	± 2.5	PASS
		VN	0	-0.46	-0.000267	± 2.5	PASS
		VN	10	-0.76	-0.000443	± 2.5	PASS
		VN	20	-1.65	-0.000961	± 2.5	PASS
		VN	30	-2.40	-0.001404	± 2.5	PASS
		VN	40	-2.92	-0.001705	± 2.5	PASS
		VN	50	-2.17	-0.001270	± 2.5	PASS
	MCH	VN	-30	0.24	0.000140	± 2.5	PASS
		VN	-20	0.97	0.000561	± 2.5	PASS
		VN	-10	0.92	0.000528	± 2.5	PASS
		VN	0	3.19	0.001841	± 2.5	PASS

		VN	10	1.99	0.001148	± 2.5	PASS
		VN	20	-0.29	-0.000165	± 2.5	PASS
		VN	30	1.99	0.001148	± 2.5	PASS
		VN	40	0.39	0.000223	± 2.5	PASS
		VN	50	0.76	0.000438	± 2.5	PASS
	HCH	VN	-30	1.43	0.000816	± 2.5	PASS
		VN	-20	0.69	0.000392	± 2.5	PASS
		VN	-10	0.92	0.000522	± 2.5	PASS
		VN	0	1.67	0.000954	± 2.5	PASS
		VN	10	-0.74	-0.000424	± 2.5	PASS
		VN	20	1.89	0.001077	± 2.5	PASS
		VN	30	1.70	0.000971	± 2.5	PASS
		VN	40	0.84	0.000481	± 2.5	PASS
		VN	50	1.46	0.000832	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-3.18	-0.001854	± 2.5	PASS
		VN	TN	-5.42	-0.003166	± 2.5	PASS
		VH	TN	-5.14	-0.002999	± 2.5	PASS
	MCH	VL	TN	2.99	0.001726	± 2.5	PASS
		VN	TN	1.97	0.001139	± 2.5	PASS
		VH	TN	1.73	0.000999	± 2.5	PASS
	HCH	VL	TN	-4.13	-0.002359	± 2.5	PASS
		VN	TN	-4.13	-0.002359	± 2.5	PASS
		VH	TN	-5.05	-0.002881	± 2.5	PASS
16QAM	LCH	VL	TN	-4.81	-0.002807	± 2.5	PASS
		VN	TN	-6.02	-0.003517	± 2.5	PASS
		VH	TN	-6.92	-0.004043	± 2.5	PASS
	MCH	VL	TN	0.87	0.000504	± 2.5	PASS
		VN	TN	1.73	0.000999	± 2.5	PASS
		VH	TN	1.29	0.000743	± 2.5	PASS
	HCH	VL	TN	-3.79	-0.002163	± 2.5	PASS
		VN	TN	-5.12	-0.002922	± 2.5	PASS
		VH	TN	-5.38	-0.003069	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-5.74	-0.003350	± 2.5	PASS
		VN	-20	-3.30	-0.001930	± 2.5	PASS
		VN	-10	-5.79	-0.003383	± 2.5	PASS
		VN	0	-3.78	-0.002205	± 2.5	PASS
		VN	10	-5.01	-0.002924	± 2.5	PASS
		VN	20	-6.79	-0.003968	± 2.5	PASS
		VN	30	-5.36	-0.003133	± 2.5	PASS
		VN	40	-4.85	-0.002832	± 2.5	PASS
		VN	50	-5.25	-0.003066	± 2.5	PASS

	MCH	VN	-30	1.66	0.000958	± 2.5	PASS
		VN	-20	2.88	0.001660	± 2.5	PASS
		VN	-10	1.19	0.000685	± 2.5	PASS
		VN	0	0.82	0.000471	± 2.5	PASS
		VN	10	1.16	0.000669	± 2.5	PASS
		VN	20	1.23	0.000710	± 2.5	PASS
		VN	30	2.53	0.001461	± 2.5	PASS
		VN	40	-0.51	-0.000297	± 2.5	PASS
		VN	50	0.51	0.000297	± 2.5	PASS
	HCH	VN	-30	-6.18	-0.003526	± 2.5	PASS
		VN	-20	-1.19	-0.000678	± 2.5	PASS
		VN	-10	-2.99	-0.001706	± 2.5	PASS
		VN	0	-4.56	-0.002604	± 2.5	PASS
		VN	10	-2.60	-0.001486	± 2.5	PASS
		VN	20	-3.53	-0.002016	± 2.5	PASS
		VN	30	-3.68	-0.002098	± 2.5	PASS
		VN	40	-2.03	-0.001159	± 2.5	PASS
		VN	50	-2.90	-0.001657	± 2.5	PASS
16QAM	LCH	VN	-30	-6.11	-0.003567	± 2.5	PASS
		VN	-20	-3.42	-0.001996	± 2.5	PASS
		VN	-10	-5.02	-0.002932	± 2.5	PASS
		VN	0	-6.05	-0.003533	± 2.5	PASS
		VN	10	-5.79	-0.003383	± 2.5	PASS
		VN	20	-3.36	-0.001963	± 2.5	PASS
		VN	30	-4.41	-0.002573	± 2.5	PASS
		VN	40	-4.31	-0.002514	± 2.5	PASS
		VN	50	-6.98	-0.004076	± 2.5	PASS
	MCH	VN	-30	1.62	0.000933	± 2.5	PASS
		VN	-20	1.06	0.000611	± 2.5	PASS
		VN	-10	0.84	0.000487	± 2.5	PASS
		VN	0	0.04	0.000025	± 2.5	PASS
		VN	10	0.72	0.000413	± 2.5	PASS
		VN	20	2.49	0.001437	± 2.5	PASS
		VN	30	-1.49	-0.000859	± 2.5	PASS
		VN	40	-0.82	-0.000471	± 2.5	PASS
		VN	50	2.10	0.001214	± 2.5	PASS
	HCH	VN	-30	-4.29	-0.002449	± 2.5	PASS
		VN	-20	-4.72	-0.002694	± 2.5	PASS
		VN	-10	-3.69	-0.002106	± 2.5	PASS
		VN	0	-4.89	-0.002792	± 2.5	PASS
		VN	10	-3.82	-0.002179	± 2.5	PASS
		VN	20	-4.43	-0.002530	± 2.5	PASS
		VN	30	-2.45	-0.001396	± 2.5	PASS
		VN	40	-5.41	-0.003085	± 2.5	PASS
		VN	50	-6.05	-0.003453	± 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	0.23	0.000133	± 2.5	PASS
		VN	TN	-5.95	-0.003470	± 2.5	PASS
		VH	TN	-16.61	-0.009684	± 2.5	PASS
	MCH	VL	TN	-5.62	-0.003245	± 2.5	PASS
		VN	TN	12.85	0.007415	± 2.5	PASS
		VH	TN	9.98	0.005763	± 2.5	PASS
	HCH	VL	TN	-13.79	-0.007880	± 2.5	PASS
		VN	TN	-36.31	-0.020747	± 2.5	PASS
		VH	TN	9.68	0.005534	± 2.5	PASS
16QAM	LCH	VL	TN	6.81	0.003970	± 2.5	PASS
		VN	TN	26.29	0.015331	± 2.5	PASS
		VH	TN	14.18	0.008266	± 2.5	PASS
	MCH	VL	TN	-18.80	-0.010850	± 2.5	PASS
		VN	TN	-23.86	-0.013773	± 2.5	PASS
		VH	TN	-21.54	-0.012435	± 2.5	PASS
	HCH	VL	TN	-10.14	-0.005796	± 2.5	PASS
		VN	TN	-15.01	-0.008575	± 2.5	PASS
		VH	TN	-12.03	-0.006875	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-7.32	-0.004271	± 2.5	PASS
		VN	-20	-8.58	-0.005005	± 2.5	PASS
		VN	-10	-11.12	-0.006481	± 2.5	PASS
		VN	0	-8.35	-0.004871	± 2.5	PASS
		VN	10	-12.26	-0.007148	± 2.5	PASS
		VN	20	-17.85	-0.010410	± 2.5	PASS
		VN	30	-20.46	-0.011928	± 2.5	PASS
		VN	40	-25.25	-0.014722	± 2.5	PASS
		VN	50	-29.43	-0.017158	± 2.5	PASS
	MCH	VN	-30	6.62	0.003823	± 2.5	PASS
		VN	-20	-2.03	-0.001172	± 2.5	PASS
		VN	-10	-9.90	-0.005714	± 2.5	PASS
		VN	0	-15.86	-0.009157	± 2.5	PASS
		VN	10	-24.75	-0.014284	± 2.5	PASS
		VN	20	-33.40	-0.019280	± 2.5	PASS
		VN	30	-38.07	-0.021972	± 2.5	PASS
		VN	40	-13.45	-0.007762	± 2.5	PASS
		VN	50	-14.13	-0.008158	± 2.5	PASS
	HCH	VN	-30	-19.64	-0.011223	± 2.5	PASS
		VN	-20	-10.40	-0.005943	± 2.5	PASS
		VN	-10	-28.38	-0.016218	± 2.5	PASS
		VN	0	-12.49	-0.007136	± 2.5	PASS
		VN	10	-25.42	-0.014526	± 2.5	PASS
		VN	20	-35.99	-0.020567	± 2.5	PASS

		VN	30	-21.06	-0.012033	± 2.5	PASS
		VN	40	-31.79	-0.018163	± 2.5	PASS
		VN	50	3.13	0.001790	± 2.5	PASS
16QAM	LCH	VN	-30	11.23	0.006548	± 2.5	PASS
		VN	-20	8.93	0.005205	± 2.5	PASS
		VN	-10	18.60	0.010844	± 2.5	PASS
		VN	0	20.16	0.011753	± 2.5	PASS
		VN	10	17.25	0.010059	± 2.5	PASS
		VN	20	22.79	0.013287	± 2.5	PASS
		VN	30	16.31	0.009509	± 2.5	PASS
		VN	40	25.03	0.014597	± 2.5	PASS
		VN	50	28.24	0.016465	± 2.5	PASS
	MCH	VN	-30	-21.57	-0.012451	± 2.5	PASS
		VN	-20	-20.79	-0.011997	± 2.5	PASS
		VN	-10	-20.51	-0.011840	± 2.5	PASS
		VN	0	-20.57	-0.011873	± 2.5	PASS
		VN	10	-26.28	-0.015168	± 2.5	PASS
		VN	20	-23.52	-0.013574	± 2.5	PASS
		VN	30	-13.16	-0.007596	± 2.5	PASS
		VN	40	-34.02	-0.019635	± 2.5	PASS
		VN	50	11.01	0.006358	± 2.5	PASS
	HCH	VN	-30	-14.61	-0.008346	± 2.5	PASS
		VN	-20	-10.04	-0.005738	± 2.5	PASS
		VN	-10	-32.06	-0.018319	± 2.5	PASS
		VN	0	-22.57	-0.012899	± 2.5	PASS
		VN	10	-25.02	-0.014297	± 2.5	PASS
		VN	20	-21.07	-0.012041	± 2.5	PASS
		VN	30	-15.29	-0.008738	± 2.5	PASS
		VN	40	-16.78	-0.009589	± 2.5	PASS
		VN	50	-16.22	-0.009270	± 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	-10.24	-0.005964	± 2.5	PASS
		VN	TN	-3.65	-0.002124	± 2.5	PASS
		VH	TN	7.17	0.004173	± 2.5	PASS
	MCH	VL	TN	-25.42	-0.014673	± 2.5	PASS
		VN	TN	-11.63	-0.006713	± 2.5	PASS
		VH	TN	-32.82	-0.018941	± 2.5	PASS
	HCH	VL	TN	-30.01	-0.017174	± 2.5	PASS
		VN	TN	0.51	0.000295	± 2.5	PASS
		VH	TN	-25.73	-0.014727	± 2.5	PASS
16QAM	LCH	VL	TN	-9.73	-0.005664	± 2.5	PASS
		VN	TN	25.15	0.014642	± 2.5	PASS
		VH	TN	-0.16	-0.000092	± 2.5	PASS
	MCH	VL	TN	24.15	0.013938	± 2.5	PASS
		VN	TN	35.00	0.020205	± 2.5	PASS

		VH	TN	25.66	0.014813	± 2.5	PASS
	HCH	VL	TN	13.92	0.007965	± 2.5	PASS
		VN	TN	-9.60	-0.005493	± 2.5	PASS
		VH	TN	32.03	0.018329	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	16.84	0.009803	± 2.5	PASS
		VN	-20	17.57	0.010228	± 2.5	PASS
		VN	-10	23.78	0.013843	± 2.5	PASS
		VN	0	23.70	0.013801	± 2.5	PASS
		VN	10	-6.57	-0.003823	± 2.5	PASS
		VN	20	-3.49	-0.002032	± 2.5	PASS
		VN	30	3.52	0.002049	± 2.5	PASS
		VN	40	3.79	0.002207	± 2.5	PASS
		VN	50	5.21	0.003032	± 2.5	PASS
	MCH	VN	-30	-33.02	-0.019057	± 2.5	PASS
		VN	-20	-33.97	-0.019610	± 2.5	PASS
		VN	-10	-30.68	-0.017711	± 2.5	PASS
		VN	0	-32.20	-0.018586	± 2.5	PASS
		VN	10	-32.62	-0.018826	± 2.5	PASS
		VN	20	-11.70	-0.006754	± 2.5	PASS
		VN	30	-1.60	-0.000925	± 2.5	PASS
		VN	40	15.01	0.008662	± 2.5	PASS
		VN	50	21.56	0.012443	± 2.5	PASS
	HCH	VN	-30	-24.78	-0.014178	± 2.5	PASS
		VN	-20	-39.68	-0.022708	± 2.5	PASS
		VN	-10	2.45	0.001400	± 2.5	PASS
		VN	0	-13.25	-0.007580	± 2.5	PASS
		VN	10	-19.74	-0.011297	± 2.5	PASS
		VN	20	-14.29	-0.008178	± 2.5	PASS
		VN	30	-19.61	-0.011223	± 2.5	PASS
		VN	40	-30.38	-0.017387	± 2.5	PASS
		VN	50	-6.17	-0.003528	± 2.5	PASS
16QAM	LCH	VN	-30	13.98	0.008137	± 2.5	PASS
		VN	-20	19.47	0.011336	± 2.5	PASS
		VN	-10	26.32	0.015325	± 2.5	PASS
		VN	0	31.16	0.018141	± 2.5	PASS
		VN	10	8.03	0.004673	± 2.5	PASS
		VN	20	4.88	0.002840	± 2.5	PASS
		VN	30	6.09	0.003548	± 2.5	PASS
		VN	40	10.21	0.005947	± 2.5	PASS
		VN	50	9.71	0.005655	± 2.5	PASS
	MCH	VN	-30	40.10	0.023144	± 2.5	PASS
		VN	-20	4.15	0.002395	± 2.5	PASS
		VN	-10	18.67	0.010775	± 2.5	PASS
		VN	0	31.54	0.018207	± 2.5	PASS
		VN	10	-8.38	-0.004839	± 2.5	PASS
		VN	20	4.05	0.002337	± 2.5	PASS
		VN	30	14.58	0.008414	± 2.5	PASS
		VN	40	21.53	0.012427	± 2.5	PASS
		VN	50	34.15	0.019709	± 2.5	PASS

	HCH	VN	-30	4.23	0.002423	± 2.5	PASS
		VN	-20	18.31	0.010478	± 2.5	PASS
		VN	-10	25.09	0.014358	± 2.5	PASS
		VN	0	29.40	0.016822	± 2.5	PASS
		VN	10	38.78	0.022192	± 2.5	PASS
		VN	20	38.47	0.022012	± 2.5	PASS
		VN	30	-2.27	-0.001302	± 2.5	PASS
		VN	40	-0.90	-0.000516	± 2.5	PASS
		VN	50	7.81	0.004470	± 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	16.02	0.009315	± 2.5	PASS
		VN	TN	25.19	0.014646	± 2.5	PASS
		VH	TN	-11.67	-0.006787	± 2.5	PASS
	MCH	VL	TN	-30.11	-0.017381	± 2.5	PASS
		VN	TN	-8.45	-0.004880	± 2.5	PASS
		VH	TN	-15.69	-0.009058	± 2.5	PASS
	HCH	VL	TN	-20.66	-0.011838	± 2.5	PASS
		VN	TN	-11.90	-0.006821	± 2.5	PASS
		VH	TN	-18.60	-0.010657	± 2.5	PASS
16QAM	LCH	VL	TN	11.62	0.006753	± 2.5	PASS
		VN	TN	-11.69	-0.006795	± 2.5	PASS
		VH	TN	-17.29	-0.010055	± 2.5	PASS
	MCH	VL	TN	5.91	0.003410	± 2.5	PASS
		VN	TN	16.89	0.009751	± 2.5	PASS
		VH	TN	25.81	0.014895	± 2.5	PASS
	HCH	VL	TN	18.70	0.010714	± 2.5	PASS
		VN	TN	-3.18	-0.001820	± 2.5	PASS
		VH	TN	31.81	0.018232	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.77	0.000449	± 2.5	PASS
		VN	-20	19.98	0.011619	± 2.5	PASS
		VN	-10	32.37	0.018821	± 2.5	PASS
		VN	0	18.94	0.011012	± 2.5	PASS
		VN	10	12.16	0.007069	± 2.5	PASS
		VN	20	16.18	0.009406	± 2.5	PASS
		VN	30	16.71	0.009714	± 2.5	PASS
		VN	40	32.99	0.019179	± 2.5	PASS
		VN	50	36.21	0.021050	± 2.5	PASS
	MCH	VN	-30	-24.10	-0.013913	± 2.5	PASS
		VN	-20	-33.83	-0.019528	± 2.5	PASS
		VN	-10	-39.12	-0.022583	± 2.5	PASS
		VN	0	-13.05	-0.007530	± 2.5	PASS
		VN	10	-24.68	-0.014243	± 2.5	PASS

		VN	20	-28.64	-0.016530	± 2.5	PASS
		VN	30	-34.07	-0.019668	± 2.5	PASS
		VN	40	-35.89	-0.020717	± 2.5	PASS
		VN	50	-25.06	-0.014466	± 2.5	PASS
	HCH	VN	-30	-27.38	-0.015691	± 2.5	PASS
		VN	-20	-3.53	-0.002025	± 2.5	PASS
		VN	-10	-16.09	-0.009222	± 2.5	PASS
		VN	0	-31.61	-0.018117	± 2.5	PASS
		VN	10	-5.48	-0.003140	± 2.5	PASS
		VN	20	-16.48	-0.009444	± 2.5	PASS
		VN	30	-19.13	-0.010960	± 2.5	PASS
		VN	40	-27.38	-0.015691	± 2.5	PASS
		VN	50	-3.00	-0.001722	± 2.5	PASS
16QAM	LCH	VN	-30	6.77	0.003934	± 2.5	PASS
		VN	-20	20.17	0.011727	± 2.5	PASS
		VN	-10	32.67	0.018996	± 2.5	PASS
		VN	0	1.53	0.000890	± 2.5	PASS
		VN	10	6.65	0.003867	± 2.5	PASS
		VN	20	15.09	0.008774	± 2.5	PASS
		VN	30	25.89	0.015054	± 2.5	PASS
		VN	40	35.65	0.020726	± 2.5	PASS
		VN	50	2.05	0.001189	± 2.5	PASS
	MCH	VN	-30	10.09	0.005821	± 2.5	PASS
		VN	-20	-0.76	-0.000438	± 2.5	PASS
		VN	-10	4.61	0.002659	± 2.5	PASS
		VN	0	11.92	0.006878	± 2.5	PASS
		VN	10	17.98	0.010379	± 2.5	PASS
		VN	20	20.03	0.011560	± 2.5	PASS
		VN	30	28.82	0.016638	± 2.5	PASS
		VN	40	32.44	0.018727	± 2.5	PASS
		VN	50	23.22	0.013401	± 2.5	PASS
	HCH	VN	-30	4.28	0.002451	± 2.5	PASS
		VN	-20	13.38	0.007665	± 2.5	PASS
		VN	-10	21.46	0.012297	± 2.5	PASS
		VN	0	30.47	0.017461	± 2.5	PASS
		VN	10	32.14	0.018420	± 2.5	PASS
		VN	20	8.01	0.004591	± 2.5	PASS
		VN	30	2.86	0.001640	± 2.5	PASS
		VN	40	6.62	0.003796	± 2.5	PASS
		VN	50	5.98	0.003427	± 2.5	PASS

Appendix G): Field strength of spurious radiation

<table>
<tr><td>Receiver Setup:</td><td colspan="3"><table>
<tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr>
<tr><td>0.009MHz-30MHz</td><td>Peak</td><td>10kHz</td><td>30kHz</td><td>Peak</td></tr>
<tr><td>30MHz-1GHz</td><td>Peak</td><td>120kHz</td><td>300kHz</td><td>Peak</td></tr>
<tr><td>Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr>
</table></td></tr>
<tr><td>Measurement Procedure:</td><td colspan="3">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:
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.
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.
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.
Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
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.
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.
The output power into the substitution antenna was then measured.
Steps 6) and 7)were repeated with both antennas polarized.
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.
) Test the EUT in the lowest channel, the middle channel the Highest channel
) 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.
) Repeat above procedures until all frequencies measured was complete.</td></tr>
<tr><td>Limit:</td><td colspan="3">Attenuated at least 43+10log(P)</td></tr>
<tr><td>Test Ambient:</td><td>Temp.: 21°C</td><td>Humid.: 60%</td><td>Press.: 101kPa</td></tr>
</table>

Test Data:
QPSK

Mode:	LTE Traffic		
Band:	4	Channel:	19957
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.3315	150	164	-49.02	-13.00	36.02	Pass	Horizontal
2	139.0498	150	329	-37.20	-13.00	24.20	Pass	Horizontal
3	183.4847	150	354	-36.74	-13.00	23.74	Pass	Horizontal
4	207.7395	150	186	-37.46	-13.00	24.46	Pass	Horizontal
5	264.5929	150	124	-38.26	-13.00	25.26	Pass	Horizontal
6	304.9530	150	354	-38.12	-13.00	25.12	Pass	Horizontal
7	363.3587	150	164	-43.17	-13.00	30.17	Pass	Horizontal
8	1299.4299	150	310	-52.45	-13.00	39.45	Pass	Horizontal
9	3421.4000	150	193	-47.60	-13.00	34.60	Pass	Horizontal
10	5132.1000	150	123	-48.56	-13.00	35.56	Pass	Horizontal
11	6842.8000	150	50	-52.08	-13.00	39.08	Pass	Horizontal
12	8845.0423	150	160	-44.45	-13.00	31.45	Pass	Horizontal
13	14473.3237	150	50	-39.72	-13.00	26.72	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	19957
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.0498	150	188	-39.82	-13.00	26.82	Pass	Vertical
2	183.0966	150	334	-37.01	-13.00	24.01	Pass	Vertical
3	203.0826	150	250	-40.47	-13.00	27.47	Pass	Vertical
4	264.5929	150	232	-44.30	-13.00	31.30	Pass	Vertical
5	307.4755	150	84	-43.04	-13.00	30.04	Pass	Vertical
6	361.0302	150	84	-48.23	-13.00	35.23	Pass	Vertical
7	1294.2294	150	106	-51.94	-13.00	38.94	Pass	Vertical
8	3421.4000	150	181	-46.95	-13.00	33.95	Pass	Vertical
9	5132.1000	150	181	-47.97	-13.00	34.97	Pass	Vertical
10	6842.8000	150	242	-51.25	-13.00	38.25	Pass	Vertical
11	9757.0879	150	2	-43.43	-13.00	30.43	Pass	Vertical
12	13679.7840	150	242	-39.83	-13.00	26.83	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	19965
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.5255	150	163	-43.78	-13.00	30.78	Pass	Horizontal
2	141.3783	150	319	-36.89	-13.00	23.89	Pass	Horizontal
3	180.7682	150	224	-37.79	-13.00	24.79	Pass	Horizontal
4	267.3095	150	300	-34.96	-13.00	21.96	Pass	Horizontal
5	306.6993	150	224	-34.65	-13.00	21.65	Pass	Horizontal
6	360.4481	150	204	-39.26	-13.00	26.26	Pass	Horizontal
7	1290.2290	150	3	-49.63	-13.00	36.63	Pass	Horizontal
8	3423.0000	150	358	-47.06	-13.00	34.06	Pass	Horizontal
9	5134.5000	150	304	-46.69	-13.00	33.69	Pass	Horizontal
10	6846.0000	150	100	-50.88	-13.00	37.88	Pass	Horizontal
11	9740.5870	150	66	-43.23	-13.00	30.23	Pass	Horizontal
12	14397.5699	150	28	-40.33	-13.00	27.33	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	19965
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.1526	150	123	-48.55	-13.00	35.55	Pass	Vertical
2	138.8558	150	187	-41.57	-13.00	28.57	Pass	Vertical
3	183.2907	150	2	-37.31	-13.00	24.31	Pass	Vertical
4	204.8290	150	253	-41.57	-13.00	28.57	Pass	Vertical
5	264.5929	150	353	-45.91	-13.00	32.91	Pass	Vertical
6	307.6695	150	360	-45.24	-13.00	32.24	Pass	Vertical
7	1478.4478	150	331	-49.48	-13.00	36.48	Pass	Vertical
8	3423.0000	150	184	-47.62	-13.00	34.62	Pass	Vertical
9	5134.5000	150	222	-48.19	-13.00	35.19	Pass	Vertical
10	6846.0000	150	184	-50.93	-13.00	37.93	Pass	Vertical
11	9283.8142	150	1	-43.60	-13.00	30.60	Pass	Vertical
12	14303.8152	150	1	-40.15	-13.00	27.15	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	19975
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	94.0328	150	143	-50.99	-13.00	37.99	Pass	Horizontal
2	137.8856	150	161	-35.05	-13.00	22.05	Pass	Horizontal
3	178.2456	150	210	-32.09	-13.00	19.09	Pass	Horizontal
4	246.1592	150	235	-36.39	-13.00	23.39	Pass	Horizontal
5	304.9530	150	235	-37.92	-13.00	24.92	Pass	Horizontal
6	361.2242	150	210	-39.87	-13.00	26.87	Pass	Horizontal
7	1251.0251	150	280	-52.58	-13.00	39.58	Pass	Horizontal
8	3425.0000	150	221	-45.96	-13.00	32.96	Pass	Horizontal
9	5137.5000	150	129	-45.78	-13.00	32.78	Pass	Horizontal
10	6850.0000	150	129	-51.16	-13.00	38.16	Pass	Horizontal
11	9760.0880	150	129	-42.85	-13.00	29.85	Pass	Horizontal
12	13673.0337	150	93	-40.14	-13.00	27.14	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	19975
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.9136	150	164	-46.81	-13.00	33.81	Pass	Vertical
2	135.1690	150	252	-42.18	-13.00	29.18	Pass	Vertical
3	149.5279	150	216	-44.55	-13.00	31.55	Pass	Vertical
4	182.7085	150	29	-38.15	-13.00	25.15	Pass	Vertical
5	264.9810	150	348	-47.73	-13.00	34.73	Pass	Vertical
6	309.4159	150	29	-47.47	-13.00	34.47	Pass	Vertical
7	1366.8367	150	360	-52.20	-13.00	39.20	Pass	Vertical
8	3425.0000	150	234	-47.97	-13.00	34.97	Pass	Vertical
9	5137.5000	150	0	-47.66	-13.00	34.66	Pass	Vertical
10	6850.0000	150	45	-51.28	-13.00	38.28	Pass	Vertical
11	8146.0073	150	0	-45.03	-13.00	32.03	Pass	Vertical
12	14285.8143	150	86	-39.85	-13.00	26.85	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20000
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	140.0200	150	288	-34.63	-13.00	21.63	Pass	Horizontal
2	181.7383	150	288	-35.67	-13.00	22.67	Pass	Horizontal
3	207.3515	150	250	-36.37	-13.00	23.37	Pass	Horizontal
4	269.4439	150	161	-35.11	-13.00	22.11	Pass	Horizontal
5	306.5053	150	250	-35.54	-13.00	22.54	Pass	Horizontal
6	363.7467	150	203	-38.92	-13.00	25.92	Pass	Horizontal
7	1286.6287	150	74	-52.27	-13.00	39.27	Pass	Horizontal
8	3430.0000	150	118	-47.19	-13.00	34.19	Pass	Horizontal
9	5145.0000	150	12	-45.97	-13.00	32.97	Pass	Horizontal
10	6860.0000	150	315	-52.07	-13.00	39.07	Pass	Horizontal
11	9586.8293	150	158	-43.41	-13.00	30.41	Pass	Horizontal
12	14352.5676	150	243	-40.24	-13.00	27.24	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20000
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	298	-44.62	-13.00	31.62	Pass	Vertical
2	141.5723	150	210	-37.34	-13.00	24.34	Pass	Vertical
3	180.7682	150	341	-43.60	-13.00	30.60	Pass	Vertical
4	205.9932	150	229	-43.11	-13.00	30.11	Pass	Vertical
5	267.1154	150	229	-42.94	-13.00	29.94	Pass	Vertical
6	307.2815	150	73	-43.82	-13.00	30.82	Pass	Vertical
7	1351.8352	150	190	-52.05	-13.00	39.05	Pass	Vertical
8	3430.0000	150	354	-46.96	-13.00	33.96	Pass	Vertical
9	5145.0000	150	140	-48.03	-13.00	35.03	Pass	Vertical
10	6860.0000	150	2	-51.37	-13.00	38.37	Pass	Vertical
11	9655.0828	150	220	-43.11	-13.00	30.11	Pass	Vertical
12	15032.1016	150	220	-39.82	-13.00	26.82	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20025
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	145.6471	150	120	-37.08	-13.00	24.08	Pass	Horizontal
2	184.2609	150	23	-38.77	-13.00	25.77	Pass	Horizontal
3	206.5753	150	186	-39.29	-13.00	26.29	Pass	Horizontal
4	266.1452	150	141	-35.56	-13.00	22.56	Pass	Horizontal
5	306.1172	150	239	-35.18	-13.00	22.18	Pass	Horizontal
6	359.4779	150	186	-39.45	-13.00	26.45	Pass	Horizontal
7	1351.4351	150	120	-50.07	-13.00	37.07	Pass	Horizontal
8	3435.0000	150	126	-46.45	-13.00	33.45	Pass	Horizontal
9	5152.5000	150	280	-45.89	-13.00	32.89	Pass	Horizontal
10	6870.0000	150	87	-49.96	-13.00	36.96	Pass	Horizontal
11	9536.5768	150	280	-43.63	-13.00	30.63	Pass	Horizontal
12	14368.3184	150	280	-40.22	-13.00	27.22	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20025
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.1970	150	334	-42.39	-13.00	29.39	Pass	Vertical
2	127.0194	150	146	-40.52	-13.00	27.52	Pass	Vertical
3	140.2140	150	215	-33.06	-13.00	20.06	Pass	Vertical
4	183.4847	150	334	-35.34	-13.00	22.34	Pass	Vertical
5	251.7864	150	59	-44.69	-13.00	31.69	Pass	Vertical
6	308.2517	150	80	-47.15	-13.00	34.15	Pass	Vertical
7	1439.8440	150	359	-50.31	-13.00	37.31	Pass	Vertical
8	3435.0000	150	143	-46.22	-13.00	33.22	Pass	Vertical
9	5152.5000	150	271	-44.19	-13.00	31.19	Pass	Vertical
10	6870.0000	150	344	-50.33	-13.00	37.33	Pass	Vertical
11	9535.8268	150	344	-44.18	-13.00	31.18	Pass	Vertical
12	14405.8203	150	10	-40.44	-13.00	27.44	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20050
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	132.4525	150	186	-38.63	-13.00	25.63	Pass	Horizontal
2	141.5723	150	326	-37.84	-13.00	24.84	Pass	Horizontal
3	180.5741	150	214	-38.11	-13.00	25.11	Pass	Horizontal
4	269.4439	150	133	-34.12	-13.00	21.12	Pass	Horizontal
5	306.5053	150	240	-34.86	-13.00	21.86	Pass	Horizontal
6	360.0600	150	214	-39.42	-13.00	26.42	Pass	Horizontal
7	1312.8313	150	273	-52.14	-13.00	39.14	Pass	Horizontal
8	3440.0000	150	170	-47.03	-13.00	34.03	Pass	Horizontal
9	5160.0000	150	170	-44.71	-13.00	31.71	Pass	Horizontal
10	6880.0000	150	105	-51.06	-13.00	38.06	Pass	Horizontal
11	9283.8142	150	170	-43.50	-13.00	30.50	Pass	Horizontal
12	14320.3160	150	105	-40.60	-13.00	27.60	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20050
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	227	-45.70	-13.00	32.70	Pass	Vertical
2	141.5723	150	227	-39.38	-13.00	26.38	Pass	Vertical
3	182.9026	150	360	-40.00	-13.00	27.00	Pass	Vertical
4	206.5753	150	254	-42.53	-13.00	29.53	Pass	Vertical
5	263.8168	150	227	-43.92	-13.00	30.92	Pass	Vertical
6	306.8934	150	308	-43.04	-13.00	30.04	Pass	Vertical
7	1297.2297	150	360	-52.00	-13.00	39.00	Pass	Vertical
8	3440.0000	150	51	-44.77	-13.00	31.77	Pass	Vertical
9	5160.0000	150	0	-44.62	-13.00	31.62	Pass	Vertical
10	6880.0000	150	0	-51.02	-13.00	38.02	Pass	Vertical
11	9756.3378	150	0	-44.26	-13.00	31.26	Pass	Vertical
12	14568.5784	150	51	-40.60	-13.00	27.60	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20393
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.1374	150	156	-40.60	-13.00	27.60	Pass	Horizontal
2	141.7664	150	181	-35.49	-13.00	22.49	Pass	Horizontal
3	183.0966	150	229	-34.03	-13.00	21.03	Pass	Horizontal
4	262.0704	150	134	-35.87	-13.00	22.87	Pass	Horizontal
5	306.8934	150	229	-35.78	-13.00	22.78	Pass	Horizontal
6	360.4481	150	208	-39.38	-13.00	26.38	Pass	Horizontal
7	1321.8322	150	27	-52.53	-13.00	39.53	Pass	Horizontal
8	3508.6000	150	279	-46.92	-13.00	33.92	Pass	Horizontal
9	5262.9000	150	0	-47.24	-13.00	34.24	Pass	Horizontal
10	7017.2000	150	179	-50.34	-13.00	37.34	Pass	Horizontal
11	9654.3327	150	69	-43.74	-13.00	30.74	Pass	Horizontal
12	14404.3202	150	179	-39.88	-13.00	26.88	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20393
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	258	-43.62	-13.00	30.62	Pass	Vertical
2	140.6021	150	204	-35.13	-13.00	22.13	Pass	Vertical
3	180.7682	150	346	-42.89	-13.00	29.89	Pass	Vertical
4	207.3515	150	237	-43.14	-13.00	30.14	Pass	Vertical
5	266.3393	150	237	-43.26	-13.00	30.26	Pass	Vertical
6	306.5053	150	204	-43.11	-13.00	30.11	Pass	Vertical
7	1335.4335	150	204	-51.35	-13.00	38.35	Pass	Vertical
8	3508.6000	150	121	-48.04	-13.00	35.04	Pass	Vertical
9	5262.9000	150	33	-48.97	-13.00	35.97	Pass	Vertical
10	7017.2000	150	121	-50.32	-13.00	37.32	Pass	Vertical
11	10115.6058	150	33	-43.96	-13.00	30.96	Pass	Vertical
12	14229.5615	150	33	-39.73	-13.00	26.73	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20385
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	100.0480	150	141	-49.46	-13.00	36.46	Pass	Horizontal
2	143.9008	150	202	-39.24	-13.00	26.24	Pass	Horizontal
3	184.2609	150	360	-36.67	-13.00	23.67	Pass	Horizontal
4	263.4287	150	247	-39.03	-13.00	26.03	Pass	Horizontal
5	304.3709	150	355	-37.83	-13.00	24.83	Pass	Horizontal
6	361.6123	150	202	-42.36	-13.00	29.36	Pass	Horizontal
7	1300.8301	150	101	-52.32	-13.00	39.32	Pass	Horizontal
8	3507.0000	150	52	-45.48	-13.00	32.48	Pass	Horizontal
9	5260.5000	150	332	-46.62	-13.00	33.62	Pass	Horizontal
10	7014.0000	150	52	-50.41	-13.00	37.41	Pass	Horizontal
11	9897.3449	150	128	-43.46	-13.00	30.46	Pass	Horizontal
12	14452.3226	150	232	-40.40	-13.00	27.40	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20385
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	113.8248	150	254	-43.73	-13.00	30.73	Pass	Vertical
2	136.9154	150	195	-40.71	-13.00	27.71	Pass	Vertical
3	181.3503	150	195	-38.68	-13.00	25.68	Pass	Vertical
4	201.9184	150	235	-40.94	-13.00	27.94	Pass	Vertical
5	262.0704	150	3	-45.69	-13.00	32.69	Pass	Vertical
6	306.6993	150	23	-44.07	-13.00	31.07	Pass	Vertical
7	1421.2421	150	360	-52.21	-13.00	39.21	Pass	Vertical
8	3507.0000	150	81	-45.20	-13.00	32.20	Pass	Vertical
9	5260.5000	150	154	-46.86	-13.00	33.86	Pass	Vertical
10	7014.0000	150	263	-51.34	-13.00	38.34	Pass	Vertical
11	8183.5092	150	192	-45.03	-13.00	32.03	Pass	Vertical
12	14431.3216	150	120	-40.71	-13.00	27.71	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20375
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	144.0948	150	174	-37.75	-13.00	24.75	Pass	Horizontal
2	182.3205	150	216	-32.68	-13.00	19.68	Pass	Horizontal
3	208.1276	150	216	-36.63	-13.00	23.63	Pass	Horizontal
4	272.1604	150	174	-33.24	-13.00	20.24	Pass	Horizontal
5	305.3411	150	174	-38.62	-13.00	25.62	Pass	Horizontal
6	362.7766	150	216	-38.76	-13.00	25.76	Pass	Horizontal
7	1539.6540	150	71	-47.17	-13.00	34.17	Pass	Horizontal
8	3505.0000	150	2	-45.97	-13.00	32.97	Pass	Horizontal
9	5257.5000	150	64	-46.30	-13.00	33.30	Pass	Horizontal
10	7010.0000	150	2	-49.81	-13.00	36.81	Pass	Horizontal
11	9698.5849	150	325	-44.29	-13.00	31.29	Pass	Horizontal
12	14401.3201	150	106	-40.41	-13.00	27.41	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20375
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.3911	150	360	-43.99	-13.00	30.99	Pass	Vertical
2	141.5723	150	221	-37.80	-13.00	24.80	Pass	Vertical
3	183.8728	150	345	-37.23	-13.00	24.23	Pass	Vertical
4	266.9214	150	221	-44.35	-13.00	31.35	Pass	Vertical
5	305.7291	150	307	-43.48	-13.00	30.48	Pass	Vertical
6	361.0302	150	72	-46.81	-13.00	33.81	Pass	Vertical
7	1209.6210	150	35	-52.18	-13.00	39.18	Pass	Vertical
8	3505.0000	150	90	-48.13	-13.00	35.13	Pass	Vertical
9	5257.5000	150	262	-48.92	-13.00	35.92	Pass	Vertical
10	7010.0000	150	0	-49.83	-13.00	36.83	Pass	Vertical
11	9577.0789	150	0	-43.83	-13.00	30.83	Pass	Vertical
12	13708.2854	150	0	-40.61	-13.00	27.61	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20350
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.3911	150	310	-38.09	-13.00	25.09	Pass	Horizontal
2	140.2140	150	360	-34.31	-13.00	21.31	Pass	Horizontal
3	178.8278	150	310	-37.00	-13.00	24.00	Pass	Horizontal
4	264.9810	150	310	-37.21	-13.00	24.21	Pass	Horizontal
5	305.3411	150	47	-38.00	-13.00	25.00	Pass	Horizontal
6	362.9706	150	176	-43.28	-13.00	30.28	Pass	Horizontal
7	1296.0296	150	107	-52.63	-13.00	39.63	Pass	Horizontal
8	3500.0000	150	197	-46.17	-13.00	33.17	Pass	Horizontal
9	5250.0000	150	0	-47.04	-13.00	34.04	Pass	Horizontal
10	7000.0000	150	0	-48.93	-13.00	35.93	Pass	Horizontal
11	9697.8349	150	197	-43.92	-13.00	30.92	Pass	Horizontal
12	14513.0757	150	77	-39.86	-13.00	26.86	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20350
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	108.7798	150	66	-48.70	-13.00	35.70	Pass	Vertical
2	136.7213	150	207	-42.40	-13.00	29.40	Pass	Vertical
3	183.0966	150	359	-39.33	-13.00	26.33	Pass	Vertical
4	245.5771	150	170	-45.25	-13.00	32.25	Pass	Vertical
5	306.1172	150	66	-46.71	-13.00	33.71	Pass	Vertical
6	362.3885	150	170	-50.92	-13.00	37.92	Pass	Vertical
7	1516.6517	150	359	-50.67	-13.00	37.67	Pass	Vertical
8	3500.0000	150	0	-45.22	-13.00	32.22	Pass	Vertical
9	5250.0000	150	21	-46.24	-13.00	33.24	Pass	Vertical
10	7000.0000	150	119	-51.42	-13.00	38.42	Pass	Vertical
11	9548.5774	150	276	-43.78	-13.00	30.78	Pass	Vertical
12	14316.5658	150	245	-40.20	-13.00	27.20	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20325
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	121	-43.95	-13.00	30.95	Pass	Horizontal
2	140.4081	150	182	-32.52	-13.00	19.52	Pass	Horizontal
3	182.9026	150	203	-38.37	-13.00	25.37	Pass	Horizontal
4	266.9214	150	162	-33.70	-13.00	20.70	Pass	Horizontal
5	306.8934	150	223	-33.30	-13.00	20.30	Pass	Horizontal
6	359.2839	150	203	-39.14	-13.00	26.14	Pass	Horizontal
7	1532.2532	150	2	-47.38	-13.00	34.38	Pass	Horizontal
8	3495.0000	150	268	-47.83	-13.00	34.83	Pass	Horizontal
9	5242.5000	150	65	-46.11	-13.00	33.11	Pass	Horizontal
10	6990.0000	150	167	-48.75	-13.00	35.75	Pass	Horizontal
11	9560.5780	150	167	-43.39	-13.00	30.39	Pass	Horizontal
12	14270.8135	150	65	-40.55	-13.00	27.55	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20325
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.5553	150	269	-49.07	-13.00	36.07	Pass	Vertical
2	133.2286	150	210	-43.09	-13.00	30.09	Pass	Vertical
3	184.2609	150	3	-38.85	-13.00	25.85	Pass	Vertical
4	202.5005	150	231	-41.29	-13.00	28.29	Pass	Vertical
5	265.1750	150	231	-43.94	-13.00	30.94	Pass	Vertical
6	304.7590	150	80	-46.38	-13.00	33.38	Pass	Vertical
7	1350.4350	150	311	-51.28	-13.00	38.28	Pass	Vertical
8	3495.0000	150	162	-47.41	-13.00	34.41	Pass	Vertical
9	5242.5000	150	20	-46.33	-13.00	33.33	Pass	Vertical
10	6990.0000	150	235	-48.79	-13.00	35.79	Pass	Vertical
11	9270.3135	150	235	-43.53	-13.00	30.53	Pass	Vertical
12	15998.1499	150	20	-40.31	-13.00	27.31	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20300
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.1970	150	128	-39.32	-13.00	26.32	Pass	Horizontal
2	141.3783	150	149	-37.92	-13.00	24.92	Pass	Horizontal
3	181.9324	150	211	-37.69	-13.00	24.69	Pass	Horizontal
4	267.3095	150	128	-35.06	-13.00	22.06	Pass	Horizontal
5	307.8636	150	338	-35.71	-13.00	22.71	Pass	Horizontal
6	360.8362	150	211	-37.32	-13.00	24.32	Pass	Horizontal
7	1313.6314	150	211	-52.48	-13.00	39.48	Pass	Horizontal
8	3490.0000	150	0	-45.11	-13.00	32.11	Pass	Horizontal
9	5235.0000	150	269	-44.68	-13.00	31.68	Pass	Horizontal
10	6980.0000	150	332	-50.59	-13.00	37.59	Pass	Horizontal
11	9649.0825	150	332	-44.07	-13.00	31.07	Pass	Horizontal
12	14469.5735	150	202	-40.27	-13.00	27.27	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20300
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.9434	150	259	-45.38	-13.00	32.38	Pass	Vertical
2	139.2438	150	181	-39.43	-13.00	26.43	Pass	Vertical
3	182.9026	150	181	-37.92	-13.00	24.92	Pass	Vertical
4	206.5753	150	259	-42.60	-13.00	29.60	Pass	Vertical
5	269.4439	150	233	-43.84	-13.00	30.84	Pass	Vertical
6	307.8636	150	318	-44.54	-13.00	31.54	Pass	Vertical
7	1360.0360	150	204	-51.59	-13.00	38.59	Pass	Vertical
8	3490.0000	150	290	-48.31	-13.00	35.31	Pass	Vertical
9	5235.0000	150	135	-46.96	-13.00	33.96	Pass	Vertical
10	6980.0000	150	61	-50.58	-13.00	37.58	Pass	Vertical
11	8580.2790	150	172	-44.56	-13.00	31.56	Pass	Vertical
12	14320.3160	150	99	-39.83	-13.00	26.83	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
2	178.4397	150	222	-35.90	-13.00	22.90	Pass	Horizontal
3	207.5455	150	146	-39.25	-13.00	26.25	Pass	Horizontal
4	256.6373	150	125	-40.52	-13.00	27.52	Pass	Horizontal
5	305.3411	150	354	-38.13	-13.00	25.13	Pass	Horizontal
6	361.0302	150	146	-44.13	-13.00	31.13	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	3465.0000	150	76	-45.81	-13.00	32.81	Pass	Horizontal
9	5197.5000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
10	6930.0000	150	76	-50.74	-13.00	37.74	Pass	Horizontal
11	10404.3702	150	143	-42.82	-13.00	29.82	Pass	Horizontal
12	14219.0610	150	274	-39.66	-13.00	26.66	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.2438	150	168	-36.71	-13.00	23.71	Pass	Vertical
2	178.0516	150	168	-38.60	-13.00	25.60	Pass	Vertical
3	203.4707	150	245	-39.23	-13.00	26.23	Pass	Vertical
4	265.9512	150	2	-46.96	-13.00	33.96	Pass	Vertical
5	305.7291	150	54	-45.88	-13.00	32.88	Pass	Vertical
6	363.1646	150	71	-49.80	-13.00	36.80	Pass	Vertical
7	1448.0448	150	54	-50.23	-13.00	37.23	Pass	Vertical
8	3465.0000	150	11	-46.56	-13.00	33.56	Pass	Vertical
9	5197.5000	150	143	-46.55	-13.00	33.55	Pass	Vertical
10	6930.0000	150	209	-50.60	-13.00	37.60	Pass	Vertical
11	9555.3278	150	77	-42.46	-13.00	29.46	Pass	Vertical
12	14464.3232	150	11	-38.83	-13.00	25.83	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	140.2140	150	307	-34.39	-13.00	21.39	Pass	Horizontal
2	178.0516	150	210	-31.55	-13.00	18.55	Pass	Horizontal
3	204.8290	150	210	-35.39	-13.00	22.39	Pass	Horizontal
4	253.7267	150	133	-36.19	-13.00	23.19	Pass	Horizontal
5	309.6099	150	228	-37.09	-13.00	24.09	Pass	Horizontal
6	360.2541	150	210	-41.02	-13.00	28.02	Pass	Horizontal
7	1300.2300	150	346	-52.84	-13.00	39.84	Pass	Horizontal
8	3465.0000	150	336	-43.79	-13.00	30.79	Pass	Horizontal
9	5197.5000	150	5	-44.95	-13.00	31.95	Pass	Horizontal
10	6930.0000	150	240	-49.89	-13.00	36.89	Pass	Horizontal
11	9666.3333	150	273	-42.73	-13.00	29.73	Pass	Horizontal
12	14486.8243	150	240	-38.79	-13.00	25.79	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	127.2134	150	188	-41.11	-13.00	28.11	Pass	Vertical
2	138.8558	150	247	-39.64	-13.00	26.64	Pass	Vertical
3	183.8728	150	303	-38.41	-13.00	25.41	Pass	Vertical
4	202.5005	150	247	-38.29	-13.00	25.29	Pass	Vertical
5	261.4883	150	342	-46.84	-13.00	33.84	Pass	Vertical
6	306.3113	150	324	-46.87	-13.00	33.87	Pass	Vertical
7	1342.4342	150	324	-52.67	-13.00	39.67	Pass	Vertical
8	3465.0000	150	11	-45.17	-13.00	32.17	Pass	Vertical
9	5197.5000	150	209	-44.98	-13.00	31.98	Pass	Vertical
10	6930.0000	150	44	-50.13	-13.00	37.13	Pass	Vertical
11	9340.8170	150	275	-43.48	-13.00	30.48	Pass	Vertical
12	14316.5658	150	242	-38.96	-13.00	25.96	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.7494	150	116	-46.05	-13.00	33.05	Pass	Horizontal
2	140.4081	150	196	-37.64	-13.00	24.64	Pass	Horizontal
3	179.0218	150	196	-31.19	-13.00	18.19	Pass	Horizontal
4	264.0108	150	116	-35.88	-13.00	22.88	Pass	Horizontal
5	306.3113	150	218	-35.34	-13.00	22.34	Pass	Horizontal
6	362.3885	150	218	-41.46	-13.00	28.46	Pass	Horizontal
7	1252.0252	150	37	-51.40	-13.00	38.40	Pass	Horizontal
8	3465.0000	150	219	-48.21	-13.00	35.21	Pass	Horizontal
9	5197.5000	150	330	-47.54	-13.00	34.54	Pass	Horizontal
10	6930.0000	150	12	-50.60	-13.00	37.60	Pass	Horizontal
11	9643.0822	150	12	-43.32	-13.00	30.32	Pass	Horizontal
12	14298.5649	150	12	-39.43	-13.00	26.43	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.3911	150	229	-45.49	-13.00	32.49	Pass	Vertical
2	135.9452	150	190	-39.97	-13.00	26.97	Pass	Vertical
3	178.2456	150	292	-37.77	-13.00	24.77	Pass	Vertical
4	202.6945	150	229	-40.23	-13.00	27.23	Pass	Vertical
5	265.5631	150	2	-44.19	-13.00	31.19	Pass	Vertical
6	305.3411	150	271	-46.85	-13.00	33.85	Pass	Vertical
7	1463.2463	150	254	-50.74	-13.00	37.74	Pass	Vertical
8	3465.0000	150	136	-45.70	-13.00	32.70	Pass	Vertical
9	5197.5000	150	171	-47.11	-13.00	34.11	Pass	Vertical
10	6930.0000	150	171	-48.63	-13.00	35.63	Pass	Vertical
11	10404.3702	150	30	-43.41	-13.00	30.41	Pass	Vertical
12	13652.7826	150	299	-39.90	-13.00	26.90	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.4379	150	318	-37.56	-13.00	24.56	Pass	Horizontal
2	178.2456	150	222	-35.90	-13.00	22.90	Pass	Horizontal
3	203.2767	150	161	-39.54	-13.00	26.54	Pass	Horizontal
4	272.7425	150	143	-39.16	-13.00	26.16	Pass	Horizontal
5	305.7291	150	356	-37.91	-13.00	24.91	Pass	Horizontal
6	359.2839	150	201	-44.17	-13.00	31.17	Pass	Horizontal
7	1268.8269	150	101	-51.92	-13.00	38.92	Pass	Horizontal
8	3465.0000	150	266	-45.81	-13.00	32.81	Pass	Horizontal
9	5197.5000	150	164	-46.44	-13.00	33.44	Pass	Horizontal
10	6930.0000	150	91	-50.41	-13.00	37.41	Pass	Horizontal
11	9643.8322	150	164	-43.13	-13.00	30.13	Pass	Horizontal
12	14384.0692	150	0	-39.78	-13.00	26.78	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	138.8558	150	189	-39.19	-13.00	26.19	Pass	Vertical
2	183.0966	150	189	-38.67	-13.00	25.67	Pass	Vertical
3	204.0528	150	245	-40.89	-13.00	27.89	Pass	Vertical
4	266.7273	150	1	-45.13	-13.00	32.13	Pass	Vertical
5	304.7590	150	76	-45.98	-13.00	32.98	Pass	Vertical
6	363.1646	150	189	-50.69	-13.00	37.69	Pass	Vertical
7	1317.8318	150	360	-51.68	-13.00	38.68	Pass	Vertical
8	3465.0000	150	167	-46.38	-13.00	33.38	Pass	Vertical
9	5197.5000	150	167	-43.24	-13.00	30.24	Pass	Vertical
10	6930.0000	150	304	-50.97	-13.00	37.97	Pass	Vertical
11	8854.0427	150	167	-44.51	-13.00	31.51	Pass	Vertical
12	15062.8531	150	134	-39.08	-13.00	26.08	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	143.1246	150	297	-36.19	-13.00	23.19	Pass	Horizontal
2	178.2456	150	222	-33.93	-13.00	20.93	Pass	Horizontal
3	204.0528	150	222	-39.57	-13.00	26.57	Pass	Horizontal
4	266.9214	150	297	-38.37	-13.00	25.37	Pass	Horizontal
5	305.7291	150	297	-39.17	-13.00	26.17	Pass	Horizontal
6	363.5527	150	167	-44.36	-13.00	31.36	Pass	Horizontal
7	1264.2264	150	360	-51.88	-13.00	38.88	Pass	Horizontal
8	3465.0000	150	0	-45.82	-13.00	32.82	Pass	Horizontal
9	5197.5000	150	112	-43.66	-13.00	30.66	Pass	Horizontal
10	6930.0000	150	151	-50.98	-13.00	37.98	Pass	Horizontal
11	9583.8292	150	78	-43.52	-13.00	30.52	Pass	Horizontal
12	14934.5967	150	274	-39.71	-13.00	26.71	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	135.1690	150	115	-38.15	-13.00	25.15	Pass	Vertical
2	184.2609	150	7	-38.55	-13.00	25.55	Pass	Vertical
3	203.2767	150	239	-42.76	-13.00	29.76	Pass	Vertical
4	265.3691	150	7	-44.48	-13.00	31.48	Pass	Vertical
5	305.7291	150	83	-47.15	-13.00	34.15	Pass	Vertical
6	358.3137	150	83	-51.07	-13.00	38.07	Pass	Vertical
7	1404.0404	150	7	-52.06	-13.00	39.06	Pass	Vertical
8	3465.0000	150	158	-45.74	-13.00	32.74	Pass	Vertical
9	5197.5000	150	6	-43.75	-13.00	30.75	Pass	Vertical
10	6930.0000	150	125	-51.54	-13.00	38.54	Pass	Vertical
11	8761.7881	150	6	-44.42	-13.00	31.42	Pass	Vertical
12	15062.8531	150	209	-40.27	-13.00	27.27	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	142.9306	150	131	-35.75	-13.00	22.75	Pass	Horizontal
2	178.4397	150	227	-33.29	-13.00	20.29	Pass	Horizontal
3	209.0978	150	170	-36.41	-13.00	23.41	Pass	Horizontal
4	266.9214	150	131	-36.61	-13.00	23.61	Pass	Horizontal
5	305.1470	150	227	-37.18	-13.00	24.18	Pass	Horizontal
6	362.7766	150	188	-40.87	-13.00	27.87	Pass	Horizontal
7	1547.4547	150	343	-47.17	-13.00	34.17	Pass	Horizontal
8	3465.0000	150	208	-44.49	-13.00	31.49	Pass	Horizontal
9	5197.5000	150	9	-43.99	-13.00	30.99	Pass	Horizontal
10	6930.0000	150	108	-51.04	-13.00	38.04	Pass	Horizontal
11	9763.8382	150	336	-43.16	-13.00	30.16	Pass	Horizontal
12	14422.3211	150	336	-39.57	-13.00	26.57	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.6319	150	187	-40.42	-13.00	27.42	Pass	Vertical
2	148.1696	150	149	-40.15	-13.00	27.15	Pass	Vertical
3	184.2609	150	15	-39.46	-13.00	26.46	Pass	Vertical
4	203.0826	150	246	-43.73	-13.00	30.73	Pass	Vertical
5	265.9512	150	2	-44.55	-13.00	31.55	Pass	Vertical
6	305.9232	150	33	-44.75	-13.00	31.75	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	3465.0000	150	75	-45.51	-13.00	32.51	Pass	Vertical
9	5197.5000	150	41	-45.11	-13.00	32.11	Pass	Vertical
10	6930.0000	150	108	-49.78	-13.00	36.78	Pass	Vertical
11	9712.0856	150	41	-43.71	-13.00	30.71	Pass	Vertical
12	13979.7990	150	41	-40.16	-13.00	27.16	Pass	Vertical

16QAM

Mode:	LTE Traffic		
Band:	4	Channel:	19957
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	44.7469	150	125	-72.29	-13.00	59.29	Pass	Horizontal
2	63.1806	150	202	-73.86	-13.00	60.86	Pass	Horizontal
3	97.1374	150	107	-46.49	-13.00	33.49	Pass	Horizontal
4	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
5	178.4397	150	222	-35.90	-13.00	22.90	Pass	Horizontal
6	305.3411	150	354	-38.13	-13.00	25.13	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	2708.3708	150	125	-48.38	-13.00	35.38	Pass	Horizontal
9	3421.4000	150	76	-44.14	-13.00	31.14	Pass	Horizontal
10	5132.1000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
11	8182.0091	150	44	-44.45	-13.00	31.45	Pass	Horizontal
12	14219.0610	150	274	-39.66	-13.00	26.66	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	19957
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	110	-55.47	-13.00	42.47	Pass	Vertical
2	82.1964	150	2	-54.10	-13.00	41.10	Pass	Vertical
3	139.2438	150	168	-36.71	-13.00	23.71	Pass	Vertical
4	305.7291	150	54	-45.88	-13.00	32.88	Pass	Vertical
5	596.9814	150	283	-55.00	-13.00	42.00	Pass	Vertical
6	723.4947	150	92	-56.49	-13.00	43.49	Pass	Vertical
7	1448.0448	150	54	-49.73	-13.00	36.73	Pass	Vertical
8	2993.5994	150	263	-48.07	-13.00	35.07	Pass	Vertical
9	3421.4000	150	337	-44.35	-13.00	31.35	Pass	Vertical
10	5132.1000	150	337	-46.59	-13.00	33.59	Pass	Vertical
11	9186.3093	150	44	-43.61	-13.00	30.61	Pass	Vertical
12	13743.5372	150	143	-39.38	-13.00	26.38	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	19965
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	44.7469	150	125	-72.29	-13.00	59.29	Pass	Horizontal
2	97.1374	150	107	-46.49	-13.00	33.49	Pass	Horizontal
3	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
4	178.4397	150	222	-35.90	-13.00	22.90	Pass	Horizontal
5	305.3411	150	354	-38.13	-13.00	25.13	Pass	Horizontal
6	670.9102	150	69	-53.89	-13.00	40.89	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	3423.0000	150	76	-44.14	-13.00	31.14	Pass	Horizontal
9	5134.5000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
10	8182.0091	150	44	-44.45	-13.00	31.45	Pass	Horizontal
11	12213.4607	150	176	-41.02	-13.00	28.02	Pass	Horizontal
12	16609.4305	150	308	-38.88	-13.00	25.88	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	19965
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	110	-55.47	-13.00	42.47	Pass	Vertical
2	94.4209	150	245	-50.43	-13.00	37.43	Pass	Vertical
3	113.2426	150	245	-49.54	-13.00	36.54	Pass	Vertical
4	139.2438	150	168	-36.71	-13.00	23.71	Pass	Vertical
5	305.7291	150	54	-45.88	-13.00	32.88	Pass	Vertical
6	679.6419	150	71	-50.47	-13.00	37.47	Pass	Vertical
7	1254.4254	150	360	-53.32	-13.00	40.32	Pass	Vertical
8	1448.0448	150	54	-52.73	-13.00	39.73	Pass	Vertical
9	3423.0000	150	337	-47.35	-13.00	34.35	Pass	Vertical
10	5134.5000	150	337	-48.59	-13.00	35.59	Pass	Vertical
11	8529.2765	150	77	-46.49	-13.00	33.49	Pass	Vertical
12	14464.3232	150	11	-38.83	-13.00	25.83	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	19975
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	44.7469	150	125	-72.29	-13.00	59.29	Pass	Horizontal
2	97.1374	150	107	-46.49	-13.00	33.49	Pass	Horizontal
3	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
4	178.4397	150	222	-35.90	-13.00	22.90	Pass	Horizontal
5	305.3411	150	354	-38.13	-13.00	25.13	Pass	Horizontal
6	361.0302	150	146	-44.13	-13.00	31.13	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	3425.0000	150	76	-44.14	-13.00	31.14	Pass	Horizontal
9	5137.5000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
10	7110.9555	150	110	-46.62	-13.00	33.62	Pass	Horizontal
11	10287.3644	150	274	-43.08	-13.00	30.08	Pass	Horizontal
12	13674.5337	150	76	-39.86	-13.00	26.86	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	19975
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.0304	150	208	-63.27	-13.00	50.27	Pass	Vertical
2	94.8090	150	247	-48.12	-13.00	35.12	Pass	Vertical
3	138.8558	150	247	-39.64	-13.00	26.64	Pass	Vertical
4	202.5005	150	247	-38.29	-13.00	25.29	Pass	Vertical
5	252.1744	150	247	-46.15	-13.00	33.15	Pass	Vertical
6	668.9698	150	265	-53.26	-13.00	40.26	Pass	Vertical
7	1270.4270	150	16	-53.09	-13.00	40.09	Pass	Vertical
8	3425.0000	150	11	-45.67	-13.00	32.67	Pass	Vertical
9	5137.5000	150	242	-43.40	-13.00	30.40	Pass	Vertical
10	8195.5098	150	242	-42.73	-13.00	29.73	Pass	Vertical
11	12783.4892	150	242	-39.70	-13.00	26.70	Pass	Vertical
12	17551.4776	150	11	-37.79	-13.00	24.79	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20000
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	44.7469	150	125	-72.29	-13.00	59.29	Pass	Horizontal
2	97.1374	150	107	-46.49	-13.00	33.49	Pass	Horizontal
3	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
4	204.8290	150	354	-36.99	-13.00	23.99	Pass	Horizontal
5	361.0302	150	146	-44.13	-13.00	31.13	Pass	Horizontal
6	670.9102	150	69	-53.89	-13.00	40.89	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	2708.3708	150	125	-48.38	-13.00	35.38	Pass	Horizontal
9	3430.0000	150	76	-44.14	-13.00	31.14	Pass	Horizontal
10	5145.0000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
11	7110.9555	150	110	-46.62	-13.00	33.62	Pass	Horizontal
12	13674.5337	150	76	-39.86	-13.00	26.86	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20000
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	52.8966	150	131	-62.84	-13.00	49.84	Pass	Vertical
2	127.2134	150	188	-41.11	-13.00	28.11	Pass	Vertical
3	202.5005	150	247	-38.29	-13.00	25.29	Pass	Vertical
4	252.1744	150	247	-46.15	-13.00	33.15	Pass	Vertical
5	359.4779	150	54	-52.58	-13.00	39.58	Pass	Vertical
6	674.5969	150	54	-51.96	-13.00	38.96	Pass	Vertical
7	1270.4270	150	16	-52.59	-13.00	39.59	Pass	Vertical
8	3430.0000	150	11	-45.17	-13.00	32.17	Pass	Vertical
9	5145.0000	150	242	-46.40	-13.00	33.40	Pass	Vertical
10	8195.5098	150	242	-45.73	-13.00	32.73	Pass	Vertical
11	12783.4892	150	242	-42.70	-13.00	29.70	Pass	Vertical
12	14316.5658	150	242	-38.96	-13.00	25.96	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20025
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	44.7469	150	125	-72.29	-13.00	59.29	Pass	Horizontal
2	97.1374	150	107	-46.49	-13.00	33.49	Pass	Horizontal
3	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
4	178.4397	150	222	-35.90	-13.00	22.90	Pass	Horizontal
5	305.3411	150	354	-38.13	-13.00	25.13	Pass	Horizontal
6	584.7570	150	125	-54.64	-13.00	41.64	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	3435.0000	150	76	-44.14	-13.00	31.14	Pass	Horizontal
9	5152.5000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
10	8007.2504	150	176	-44.99	-13.00	31.99	Pass	Horizontal
11	10404.3702	150	143	-42.82	-13.00	29.82	Pass	Horizontal
12	13363.2682	150	176	-40.86	-13.00	27.86	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20025
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	254	-59.97	-13.00	46.97	Pass	Vertical
2	95.3911	150	229	-45.49	-13.00	32.49	Pass	Vertical
3	135.9452	150	190	-39.97	-13.00	26.97	Pass	Vertical
4	178.2456	150	292	-37.77	-13.00	24.77	Pass	Vertical
5	265.5631	150	2	-44.19	-13.00	31.19	Pass	Vertical
6	628.8038	150	292	-51.46	-13.00	38.46	Pass	Vertical
7	1463.2463	150	254	-50.74	-13.00	37.74	Pass	Vertical
8	1733.8734	150	229	-51.25	-13.00	38.25	Pass	Vertical
9	3435.0000	150	299	-44.71	-13.00	31.71	Pass	Vertical
10	5152.5000	150	171	-42.52	-13.00	29.52	Pass	Vertical
11	7533.9767	150	270	-46.02	-13.00	33.02	Pass	Vertical
12	11296.9148	150	299	-42.58	-13.00	29.58	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20050
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	44.7469	150	125	-72.29	-13.00	59.29	Pass	Horizontal
2	97.1374	150	107	-46.49	-13.00	33.49	Pass	Horizontal
3	139.6319	150	317	-36.62	-13.00	23.62	Pass	Horizontal
4	178.4397	150	222	-35.90	-13.00	22.90	Pass	Horizontal
5	305.3411	150	354	-38.13	-13.00	25.13	Pass	Horizontal
6	584.7570	150	125	-54.64	-13.00	41.64	Pass	Horizontal
7	1323.6324	150	360	-52.21	-13.00	39.21	Pass	Horizontal
8	2708.3708	150	125	-48.38	-13.00	35.38	Pass	Horizontal
9	3440.0000	150	76	-44.14	-13.00	31.14	Pass	Horizontal
10	5160.0000	150	209	-45.71	-13.00	32.71	Pass	Horizontal
11	13999.3000	150	176	-41.98	-13.00	28.98	Pass	Horizontal
12	16609.4305	150	308	-38.88	-13.00	25.88	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20050
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	254	-59.97	-13.00	46.97	Pass	Vertical
2	95.3911	150	229	-45.49	-13.00	32.49	Pass	Vertical
3	178.2456	150	292	-37.77	-13.00	24.77	Pass	Vertical
4	202.6945	150	229	-40.23	-13.00	27.23	Pass	Vertical
5	309.9980	150	229	-47.08	-13.00	34.08	Pass	Vertical
6	628.8038	150	292	-51.46	-13.00	38.46	Pass	Vertical
7	1463.2463	150	254	-50.74	-13.00	37.74	Pass	Vertical
8	3440.0000	150	299	-44.71	-13.00	31.71	Pass	Vertical
9	5160.0000	150	171	-42.52	-13.00	29.52	Pass	Vertical
10	8158.0079	150	299	-44.04	-13.00	31.04	Pass	Vertical
11	11296.9148	150	299	-42.58	-13.00	29.58	Pass	Vertical
12	17579.9790	150	136	-39.74	-13.00	26.74	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	190	-67.09	-13.00	54.09	Pass	Horizontal
2	63.1806	150	172	-69.78	-13.00	56.78	Pass	Horizontal
3	94.4209	150	133	-45.76	-13.00	32.76	Pass	Horizontal
4	140.2140	150	307	-34.39	-13.00	21.39	Pass	Horizontal
5	178.0516	150	210	-31.55	-13.00	18.55	Pass	Horizontal
6	304.5649	150	151	-37.98	-13.00	24.98	Pass	Horizontal
7	1300.2300	150	346	-52.84	-13.00	39.84	Pass	Horizontal
8	2935.3935	150	359	-48.23	-13.00	35.23	Pass	Horizontal
9	3465.0000	150	336	-43.79	-13.00	30.79	Pass	Horizontal
10	5197.5000	150	240	-44.20	-13.00	31.20	Pass	Horizontal
11	7132.7066	150	5	-47.24	-13.00	34.24	Pass	Horizontal
12	12661.2331	150	105	-41.56	-13.00	28.56	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	43.7768	150	189	-59.46	-13.00	46.46	Pass	Vertical
2	94.8090	150	207	-52.00	-13.00	39.00	Pass	Vertical
3	138.8558	150	189	-39.19	-13.00	26.19	Pass	Vertical
4	183.0966	150	189	-38.67	-13.00	25.67	Pass	Vertical
5	266.7273	150	1	-45.13	-13.00	32.13	Pass	Vertical
6	672.0744	150	58	-52.55	-13.00	39.55	Pass	Vertical
7	1317.8318	150	360	-51.18	-13.00	38.18	Pass	Vertical
8	3465.0000	150	236	-44.76	-13.00	31.76	Pass	Vertical
9	5197.5000	150	167	-42.74	-13.00	29.74	Pass	Vertical
10	8854.0427	150	167	-44.51	-13.00	31.51	Pass	Vertical
11	13588.2794	150	270	-40.87	-13.00	27.87	Pass	Vertical
12	15062.8531	150	134	-39.08	-13.00	26.08	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.0304	150	228	-69.15	-13.00	56.15	Pass	Horizontal
2	55.4191	150	190	-68.67	-13.00	55.67	Pass	Horizontal
3	94.4209	150	133	-45.76	-13.00	32.76	Pass	Horizontal
4	178.0516	150	210	-31.55	-13.00	18.55	Pass	Horizontal
5	309.6099	150	228	-37.09	-13.00	24.09	Pass	Horizontal
6	680.2240	150	289	-52.22	-13.00	39.22	Pass	Horizontal
7	1300.2300	150	346	-52.84	-13.00	39.84	Pass	Horizontal
8	2935.3935	150	359	-48.23	-13.00	35.23	Pass	Horizontal
9	3465.0000	150	336	-43.79	-13.00	30.79	Pass	Horizontal
10	5197.5000	150	240	-44.20	-13.00	31.20	Pass	Horizontal
11	9666.3333	150	273	-42.73	-13.00	29.73	Pass	Horizontal
12	14486.8243	150	240	-38.79	-13.00	25.79	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	43.7768	150	189	-59.46	-13.00	46.46	Pass	Vertical
2	113.0486	150	207	-49.26	-13.00	36.26	Pass	Vertical
3	138.8558	150	189	-39.19	-13.00	26.19	Pass	Vertical
4	183.0966	150	189	-38.67	-13.00	25.67	Pass	Vertical
5	304.7590	150	76	-45.98	-13.00	32.98	Pass	Vertical
6	672.0744	150	58	-52.55	-13.00	39.55	Pass	Vertical
7	1317.8318	150	360	-51.68	-13.00	38.68	Pass	Vertical
8	3465.0000	150	236	-45.26	-13.00	32.26	Pass	Vertical
9	5197.5000	150	167	-42.44	-13.00	29.44	Pass	Vertical
10	8059.0030	150	236	-44.64	-13.00	31.64	Pass	Vertical
11	11958.4479	150	358	-41.34	-13.00	28.34	Pass	Vertical
12	13610.0305	150	134	-39.63	-13.00	26.63	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	190	-67.09	-13.00	54.09	Pass	Horizontal
2	94.4209	150	133	-45.76	-13.00	32.76	Pass	Horizontal
3	140.2140	150	307	-34.39	-13.00	21.39	Pass	Horizontal
4	178.0516	150	210	-31.55	-13.00	18.55	Pass	Horizontal
5	204.8290	150	210	-35.39	-13.00	22.39	Pass	Horizontal
6	360.2541	150	210	-41.02	-13.00	28.02	Pass	Horizontal
7	1300.2300	150	346	-52.84	-13.00	39.84	Pass	Horizontal
8	3138.7569	150	38	-48.89	-13.00	35.89	Pass	Horizontal
9	3465.0000	150	336	-43.79	-13.00	30.79	Pass	Horizontal
10	5197.5000	150	240	-44.20	-13.00	31.20	Pass	Horizontal
11	8005.7503	150	38	-44.61	-13.00	31.61	Pass	Horizontal
12	12889.9945	150	5	-41.12	-13.00	28.12	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	358	-64.38	-13.00	51.38	Pass	Vertical
2	92.6745	150	340	-53.38	-13.00	40.38	Pass	Vertical
3	135.1690	150	115	-38.15	-13.00	25.15	Pass	Vertical
4	184.2609	150	7	-38.55	-13.00	25.55	Pass	Vertical
5	265.3691	150	7	-44.48	-13.00	31.48	Pass	Vertical
6	305.7291	150	83	-47.15	-13.00	34.15	Pass	Vertical
7	1404.0404	150	7	-50.56	-13.00	37.56	Pass	Vertical
8	2958.5959	150	358	-46.81	-13.00	33.81	Pass	Vertical
9	3465.0000	150	209	-41.76	-13.00	28.76	Pass	Vertical
10	5197.5000	150	354	-41.76	-13.00	28.76	Pass	Vertical
11	8761.7881	150	6	-42.92	-13.00	29.92	Pass	Vertical
12	15062.8531	150	209	-40.27	-13.00	27.27	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	190	-67.09	-13.00	54.09	Pass	Horizontal
2	94.4209	150	133	-45.76	-13.00	32.76	Pass	Horizontal
3	140.2140	150	307	-34.39	-13.00	21.39	Pass	Horizontal
4	178.0516	150	210	-31.55	-13.00	18.55	Pass	Horizontal
5	253.7267	150	133	-36.19	-13.00	23.19	Pass	Horizontal
6	680.2240	150	289	-52.22	-13.00	39.22	Pass	Horizontal
7	1300.2300	150	346	-52.84	-13.00	39.84	Pass	Horizontal
8	3465.0000	150	336	-43.79	-13.00	30.79	Pass	Horizontal
9	5197.5000	150	240	-44.20	-13.00	31.20	Pass	Horizontal
10	8005.7503	150	38	-44.61	-13.00	31.61	Pass	Horizontal
11	9666.3333	150	273	-42.73	-13.00	29.73	Pass	Horizontal
12	14486.8243	150	240	-38.79	-13.00	25.79	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	358	-64.38	-13.00	51.38	Pass	Vertical
2	92.6745	150	340	-53.38	-13.00	40.38	Pass	Vertical
3	135.1690	150	115	-38.15	-13.00	25.15	Pass	Vertical
4	184.2609	150	7	-38.55	-13.00	25.55	Pass	Vertical
5	358.3137	150	83	-51.07	-13.00	38.07	Pass	Vertical
6	621.4303	150	283	-52.21	-13.00	39.21	Pass	Vertical
7	1404.0404	150	7	-52.06	-13.00	39.06	Pass	Vertical
8	3465.0000	150	209	-42.46	-13.00	29.46	Pass	Vertical
9	5197.5000	150	354	-42.46	-13.00	29.46	Pass	Vertical
10	8048.5024	150	324	-44.52	-13.00	31.52	Pass	Vertical
11	11199.4100	150	242	-42.72	-13.00	29.72	Pass	Vertical
12	13643.7822	150	6	-39.50	-13.00	26.50	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	96	-65.31	-13.00	52.31	Pass	Horizontal
2	96.7494	150	116	-46.05	-13.00	33.05	Pass	Horizontal
3	140.4081	150	196	-37.64	-13.00	24.64	Pass	Horizontal
4	179.0218	150	196	-31.19	-13.00	18.19	Pass	Horizontal
5	264.0108	150	116	-35.88	-13.00	22.88	Pass	Horizontal
6	362.3885	150	218	-41.46	-13.00	28.46	Pass	Horizontal
7	1252.0252	150	37	-51.40	-13.00	38.40	Pass	Horizontal
8	2718.7719	150	37	-47.29	-13.00	34.29	Pass	Horizontal
9	3465.0000	150	116	-46.03	-13.00	33.03	Pass	Horizontal
10	5197.5000	150	150	-46.47	-13.00	33.47	Pass	Horizontal
11	8098.7549	150	330	-45.18	-13.00	32.18	Pass	Horizontal
12	14298.5649	150	12	-39.43	-13.00	26.43	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	358	-64.38	-13.00	51.38	Pass	Vertical
2	92.6745	150	340	-53.38	-13.00	40.38	Pass	Vertical
3	135.1690	150	115	-38.15	-13.00	25.15	Pass	Vertical
4	184.2609	150	7	-38.55	-13.00	25.55	Pass	Vertical
5	265.3691	150	7	-44.48	-13.00	31.48	Pass	Vertical
6	621.4303	150	283	-52.21	-13.00	39.21	Pass	Vertical
7	1319.0319	150	319	-52.37	-13.00	39.37	Pass	Vertical
8	3465.0000	150	209	-42.26	-13.00	29.26	Pass	Vertical
9	4439.3220	150	6	-48.36	-13.00	35.36	Pass	Vertical
10	5197.5000	150	354	-42.26	-13.00	29.26	Pass	Vertical
11	8761.7881	150	6	-43.42	-13.00	30.42	Pass	Vertical
12	13643.7822	150	6	-39.30	-13.00	26.30	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	45.1350	150	96	-65.31	-13.00	52.31	Pass	Horizontal
2	96.7494	150	116	-46.05	-13.00	33.05	Pass	Horizontal
3	179.0218	150	196	-31.19	-13.00	18.19	Pass	Horizontal
4	306.3113	150	218	-35.34	-13.00	22.34	Pass	Horizontal
5	362.3885	150	218	-41.46	-13.00	28.46	Pass	Horizontal
6	625.3111	150	96	-48.82	-13.00	35.82	Pass	Horizontal
7	1252.0252	150	37	-51.40	-13.00	38.40	Pass	Horizontal
8	3465.0000	150	116	-46.03	-13.00	33.03	Pass	Horizontal
9	5197.5000	150	150	-46.47	-13.00	33.47	Pass	Horizontal
10	7529.4765	150	330	-47.20	-13.00	34.20	Pass	Horizontal
11	9643.0822	150	12	-43.32	-13.00	30.32	Pass	Horizontal
12	14298.5649	150	12	-39.43	-13.00	26.43	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20175
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.4787	150	358	-64.38	-13.00	51.38	Pass	Vertical
2	108.5857	150	83	-51.46	-13.00	38.46	Pass	Vertical
3	135.1690	150	115	-38.15	-13.00	25.15	Pass	Vertical
4	184.2609	150	7	-38.55	-13.00	25.55	Pass	Vertical
5	265.3691	150	7	-44.48	-13.00	31.48	Pass	Vertical
6	621.4303	150	283	-52.21	-13.00	39.21	Pass	Vertical
7	1319.0319	150	319	-52.37	-13.00	39.37	Pass	Vertical
8	3465.0000	150	209	-42.76	-13.00	29.76	Pass	Vertical
9	5197.5000	150	354	-43.26	-13.00	30.26	Pass	Vertical
10	7150.7075	150	158	-47.37	-13.00	34.37	Pass	Vertical
11	10768.8884	150	289	-44.26	-13.00	31.26	Pass	Vertical
12	15062.8531	150	209	-40.27	-13.00	27.27	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20393
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	39.7019	150	280	-70.95	-13.00	57.95	Pass	Horizontal
2	93.2567	150	119	-47.34	-13.00	34.34	Pass	Horizontal
3	139.4379	150	318	-37.56	-13.00	24.56	Pass	Horizontal
4	178.2456	150	222	-35.90	-13.00	22.90	Pass	Horizontal
5	305.7291	150	356	-37.91	-13.00	24.91	Pass	Horizontal
6	661.2082	150	201	-53.31	-13.00	40.31	Pass	Horizontal
7	1268.8269	150	101	-51.92	-13.00	38.92	Pass	Horizontal
8	3508.6000	150	266	-45.21	-13.00	32.21	Pass	Horizontal
9	5262.9000	150	17	-45.97	-13.00	32.97	Pass	Horizontal
10	8002.7501	150	0	-46.22	-13.00	33.22	Pass	Horizontal
11	9643.8322	150	164	-43.13	-13.00	30.13	Pass	Horizontal
12	14384.0692	150	0	-39.78	-13.00	26.78	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20393
Remark:	1.4M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	246	-64.02	-13.00	51.02	Pass	Vertical
2	108.1976	150	169	-52.04	-13.00	39.04	Pass	Vertical
3	148.1696	150	149	-40.15	-13.00	27.15	Pass	Vertical
4	184.2609	150	15	-39.46	-13.00	26.46	Pass	Vertical
5	305.9232	150	33	-44.75	-13.00	31.75	Pass	Vertical
6	669.7459	150	54	-51.92	-13.00	38.92	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	3508.6000	150	240	-45.12	-13.00	32.12	Pass	Vertical
9	5262.9000	150	41	-45.11	-13.00	32.11	Pass	Vertical
10	7689.9845	150	108	-45.65	-13.00	32.65	Pass	Vertical
11	12769.9885	150	336	-41.95	-13.00	28.95	Pass	Vertical
12	13979.7990	150	41	-40.16	-13.00	27.16	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20385
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	39.7019	150	280	-70.95	-13.00	57.95	Pass	Horizontal
2	94.0328	150	119	-46.83	-13.00	33.83	Pass	Horizontal
3	178.2456	150	222	-35.90	-13.00	22.90	Pass	Horizontal
4	305.7291	150	356	-37.91	-13.00	24.91	Pass	Horizontal
5	359.2839	150	201	-44.17	-13.00	31.17	Pass	Horizontal
6	661.2082	150	201	-53.31	-13.00	40.31	Pass	Horizontal
7	1268.8269	150	101	-51.92	-13.00	38.92	Pass	Horizontal
8	3507.0000	150	266	-45.21	-13.00	32.21	Pass	Horizontal
9	5260.5000	150	17	-45.97	-13.00	32.97	Pass	Horizontal
10	9643.8322	150	164	-43.13	-13.00	30.13	Pass	Horizontal
11	13621.2811	150	300	-41.34	-13.00	28.34	Pass	Horizontal
12	17531.9766	150	0	-39.34	-13.00	26.34	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20385
Remark:	3M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	246	-64.02	-13.00	51.02	Pass	Vertical
2	108.1976	150	169	-52.04	-13.00	39.04	Pass	Vertical
3	148.1696	150	149	-40.15	-13.00	27.15	Pass	Vertical
4	184.2609	150	15	-39.46	-13.00	26.46	Pass	Vertical
5	265.9512	150	2	-44.55	-13.00	31.55	Pass	Vertical
6	669.7459	150	54	-51.92	-13.00	38.92	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	2950.3950	150	72	-48.03	-13.00	35.03	Pass	Vertical
9	3507.0000	150	240	-47.62	-13.00	34.62	Pass	Vertical
10	5260.5000	150	41	-47.61	-13.00	34.61	Pass	Vertical
11	8098.0049	150	7	-47.62	-13.00	34.62	Pass	Vertical
12	14407.3204	150	274	-40.26	-13.00	27.26	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20375
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	31.5523	150	323	-74.60	-13.00	61.60	Pass	Horizontal
2	83.3607	150	42	-62.09	-13.00	49.09	Pass	Horizontal
3	143.1246	150	297	-36.19	-13.00	23.19	Pass	Horizontal
4	178.2456	150	222	-33.93	-13.00	20.93	Pass	Horizontal
5	266.9214	150	297	-38.37	-13.00	25.37	Pass	Horizontal
6	619.6839	150	297	-51.18	-13.00	38.18	Pass	Horizontal
7	1264.2264	150	360	-51.88	-13.00	38.88	Pass	Horizontal
8	3505.0000	150	112	-45.01	-13.00	32.01	Pass	Horizontal
9	5257.5000	150	197	-43.43	-13.00	30.43	Pass	Horizontal
10	7679.4840	150	151	-46.00	-13.00	33.00	Pass	Horizontal
11	11395.1698	150	112	-42.34	-13.00	29.34	Pass	Horizontal
12	12879.4940	150	0	-41.28	-13.00	28.28	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20375
Remark:	5M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	246	-64.02	-13.00	51.02	Pass	Vertical
2	108.1976	150	169	-52.04	-13.00	39.04	Pass	Vertical
3	148.1696	150	149	-40.15	-13.00	27.15	Pass	Vertical
4	184.2609	150	15	-39.46	-13.00	26.46	Pass	Vertical
5	305.9232	150	33	-44.75	-13.00	31.75	Pass	Vertical
6	669.7459	150	54	-51.92	-13.00	38.92	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	2950.3950	150	72	-48.03	-13.00	35.03	Pass	Vertical
9	3505.0000	150	240	-46.22	-13.00	33.22	Pass	Vertical
10	5257.5000	150	41	-46.21	-13.00	33.21	Pass	Vertical
11	7689.9845	150	108	-46.75	-13.00	33.75	Pass	Vertical
12	14407.3204	150	274	-40.26	-13.00	27.26	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20350
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	47.2695	150	222	-71.76	-13.00	58.76	Pass	Horizontal
2	97.5255	150	93	-47.16	-13.00	34.16	Pass	Horizontal
3	143.1246	150	297	-36.19	-13.00	23.19	Pass	Horizontal
4	178.2456	150	222	-33.93	-13.00	20.93	Pass	Horizontal
5	305.7291	150	297	-39.17	-13.00	26.17	Pass	Horizontal
6	619.6839	150	297	-51.18	-13.00	38.18	Pass	Horizontal
7	1264.2264	150	360	-51.88	-13.00	38.88	Pass	Horizontal
8	3500.0000	150	112	-45.01	-13.00	32.01	Pass	Horizontal
9	5250.0000	150	197	-43.43	-13.00	30.43	Pass	Horizontal
10	8013.2507	150	0	-45.60	-13.00	32.60	Pass	Horizontal
11	12879.4940	150	0	-41.28	-13.00	28.28	Pass	Horizontal
12	14934.5967	150	274	-39.71	-13.00	26.71	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20350
Remark:	10M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	53.6727	150	246	-64.02	-13.00	51.02	Pass	Vertical
2	124.6909	150	208	-48.49	-13.00	35.49	Pass	Vertical
3	184.2609	150	15	-39.46	-13.00	26.46	Pass	Vertical
4	265.9512	150	2	-44.55	-13.00	31.55	Pass	Vertical
5	362.9706	150	208	-52.75	-13.00	39.75	Pass	Vertical
6	669.7459	150	54	-51.92	-13.00	38.92	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	2950.3950	150	72	-48.03	-13.00	35.03	Pass	Vertical
9	3500.0000	150	240	-45.12	-13.00	32.12	Pass	Vertical
10	5250.0000	150	41	-45.11	-13.00	32.11	Pass	Vertical
11	7497.9749	150	307	-44.05	-13.00	31.05	Pass	Vertical
12	10637.6319	150	359	-39.52	-13.00	26.52	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20325
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.4185	150	304	-66.64	-13.00	53.64	Pass	Horizontal
2	94.8090	150	149	-47.70	-13.00	34.70	Pass	Horizontal
3	142.9306	150	131	-35.75	-13.00	22.75	Pass	Horizontal
4	178.4397	150	227	-33.29	-13.00	20.29	Pass	Horizontal
5	266.9214	150	131	-36.61	-13.00	23.61	Pass	Horizontal
6	362.7766	150	188	-40.87	-13.00	27.87	Pass	Horizontal
7	1432.2432	150	343	-49.45	-13.00	36.45	Pass	Horizontal
8	3495.0000	150	208	-44.49	-13.00	31.49	Pass	Horizontal
9	5242.5000	150	9	-43.95	-13.00	30.95	Pass	Horizontal
10	8109.2555	150	274	-45.03	-13.00	32.03	Pass	Horizontal
11	9763.8382	150	336	-43.16	-13.00	30.16	Pass	Horizontal
12	14422.3211	150	336	-39.57	-13.00	26.57	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20325
Remark:	15M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.2244	150	341	-66.18	-13.00	53.18	Pass	Vertical
2	53.6727	150	246	-64.02	-13.00	51.02	Pass	Vertical
3	96.1672	150	264	-52.90	-13.00	39.90	Pass	Vertical
4	148.1696	150	149	-40.15	-13.00	27.15	Pass	Vertical
5	184.2609	150	15	-39.46	-13.00	26.46	Pass	Vertical
6	265.9512	150	2	-44.55	-13.00	31.55	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	3495.0000	150	240	-43.92	-13.00	30.92	Pass	Vertical
9	5242.5000	150	41	-43.91	-13.00	30.91	Pass	Vertical
10	7689.9845	150	108	-44.45	-13.00	31.45	Pass	Vertical
11	10637.6319	150	359	-41.82	-13.00	28.82	Pass	Vertical
12	13979.7990	150	41	-38.96	-13.00	25.96	Pass	Vertical

Mode:	LTE Traffic		
Band:	4	Channel:	20300
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	42.4185	150	304	-66.64	-13.00	53.64	Pass	Horizontal
2	94.8090	150	149	-47.70	-13.00	34.70	Pass	Horizontal
3	142.9306	150	131	-35.75	-13.00	22.75	Pass	Horizontal
4	178.4397	150	227	-33.29	-13.00	20.29	Pass	Horizontal
5	266.9214	150	131	-36.61	-13.00	23.61	Pass	Horizontal
6	623.9528	150	286	-52.37	-13.00	39.37	Pass	Horizontal
7	1547.4547	150	343	-47.17	-13.00	34.17	Pass	Horizontal
8	3490.0000	150	208	-44.49	-13.00	31.49	Pass	Horizontal
9	5235.0000	150	9	-43.95	-13.00	30.95	Pass	Horizontal
10	8109.2555	150	274	-45.03	-13.00	32.03	Pass	Horizontal
11	11702.6851	150	9	-42.41	-13.00	29.41	Pass	Horizontal
12	13613.7807	150	9	-40.93	-13.00	27.93	Pass	Horizontal

Mode:	LTE Traffic		
Band:	4	Channel:	20300
Remark:	20M		

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	43.3887	150	131	-64.39	-13.00	51.39	Pass	Vertical
2	108.1976	150	169	-52.04	-13.00	39.04	Pass	Vertical
3	148.1696	150	149	-40.15	-13.00	27.15	Pass	Vertical
4	188.9178	150	2	-41.40	-13.00	28.40	Pass	Vertical
5	305.9232	150	33	-44.75	-13.00	31.75	Pass	Vertical
6	669.7459	150	54	-51.92	-13.00	38.92	Pass	Vertical
7	1290.0290	150	72	-52.51	-13.00	39.51	Pass	Vertical
8	3076.5038	150	41	-47.80	-13.00	34.80	Pass	Vertical
9	3490.0000	150	240	-45.12	-13.00	32.12	Pass	Vertical
10	5235.0000	150	41	-44.61	-13.00	31.61	Pass	Vertical
11	7689.9845	150	108	-45.15	-13.00	32.15	Pass	Vertical
12	13654.2827	150	307	-40.78	-13.00	27.78	Pass	Vertical

Note:

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