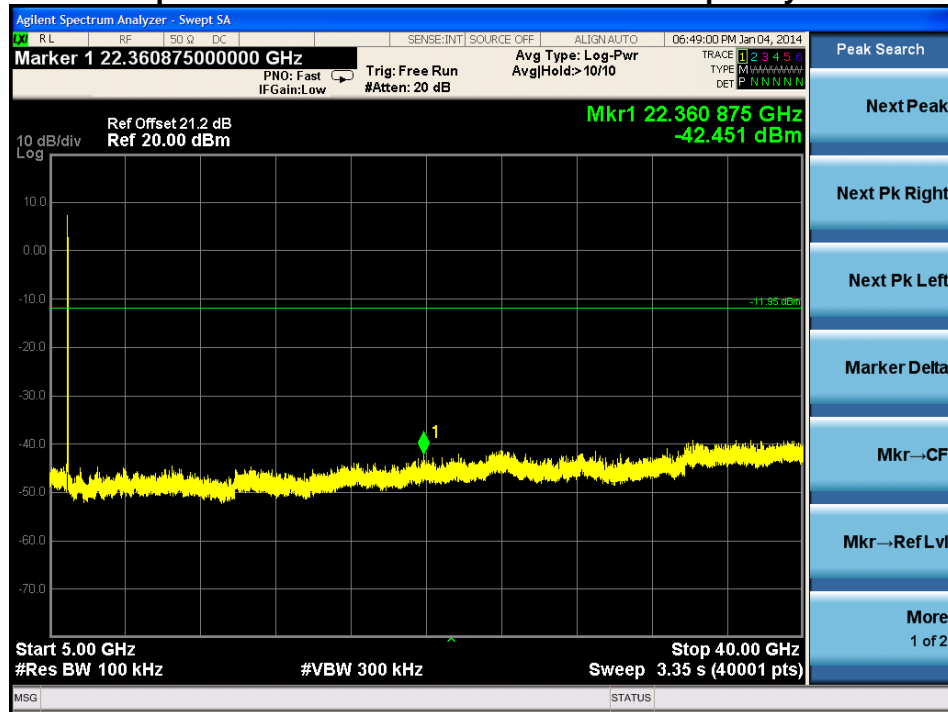




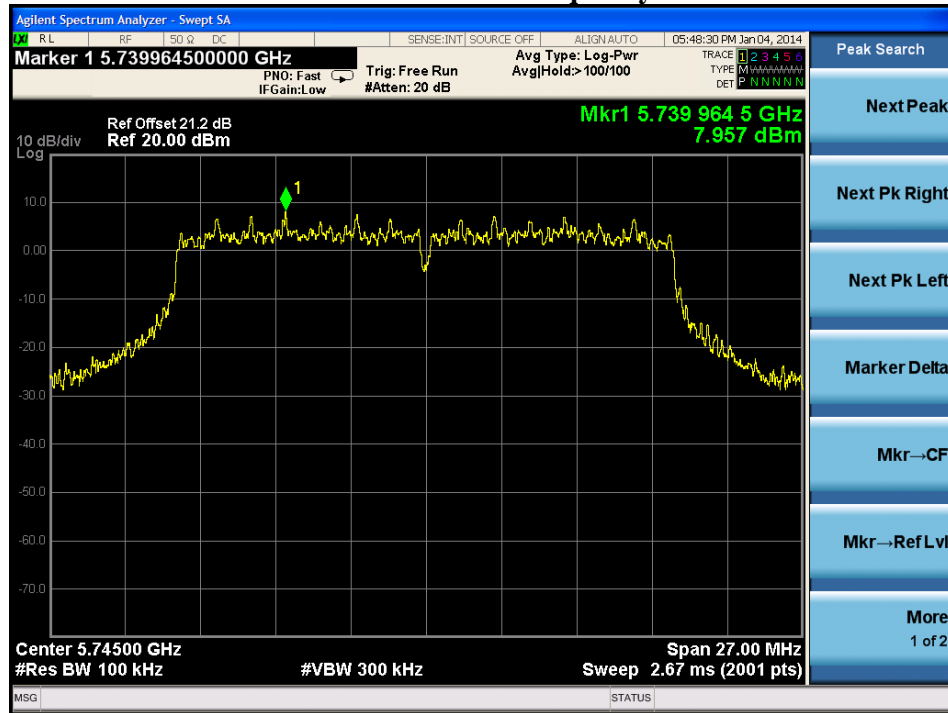
Spurious Emission 5GHz ~ 40GHz - Frequency H



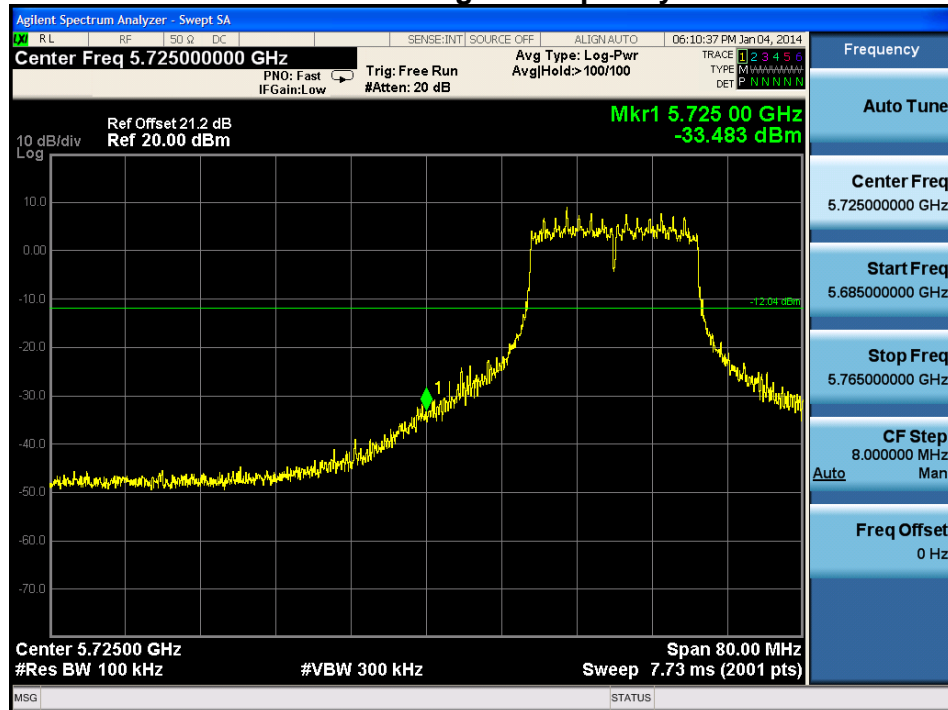


802.11n20 Out-of-Band Emissions – Chain 0 / Chain 0 + 1

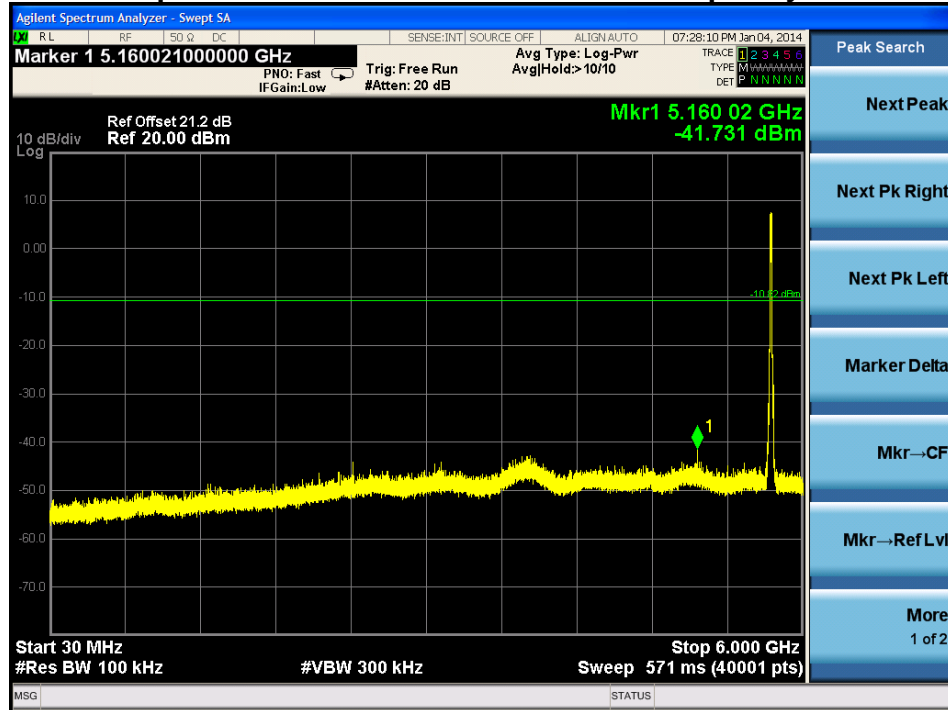
Reference Level - Frequency L



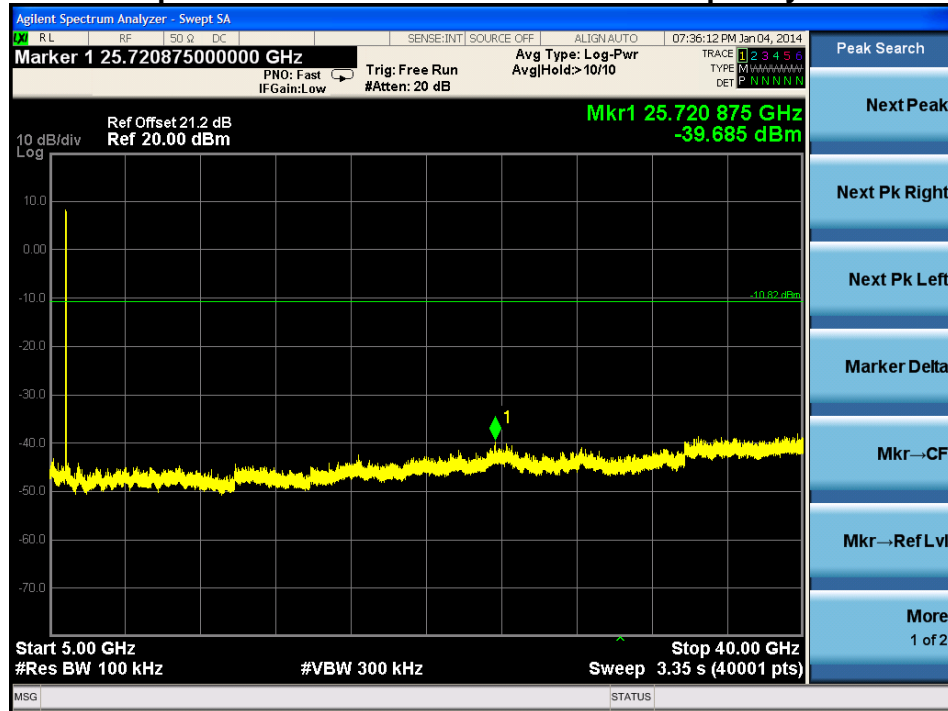
Low Band Edge – Frequency L



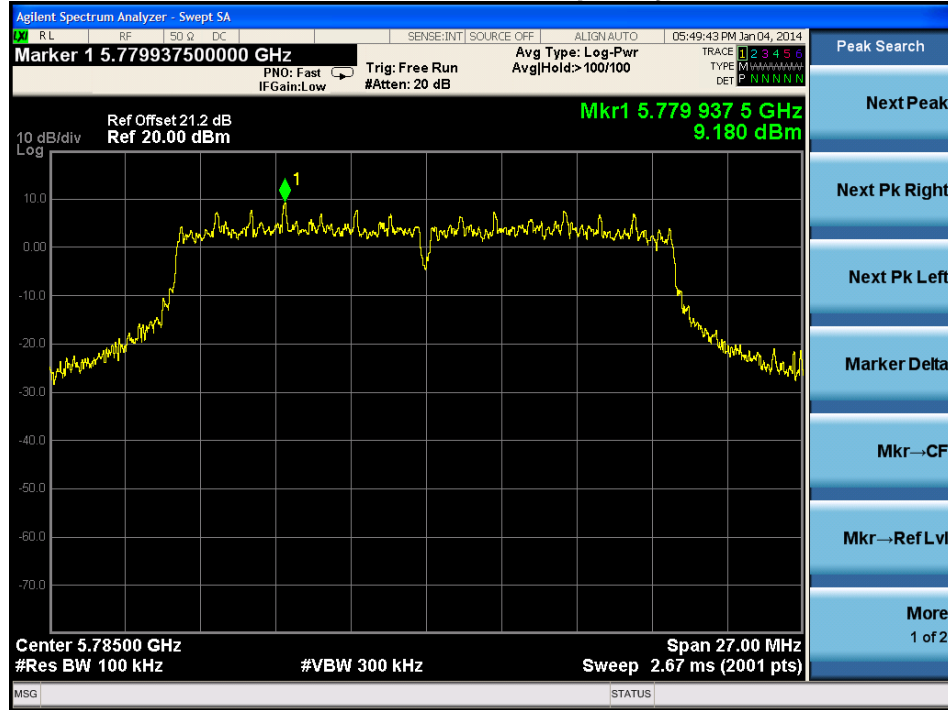
Spurious Emission 30MHz ~ 6GHz - Frequency L



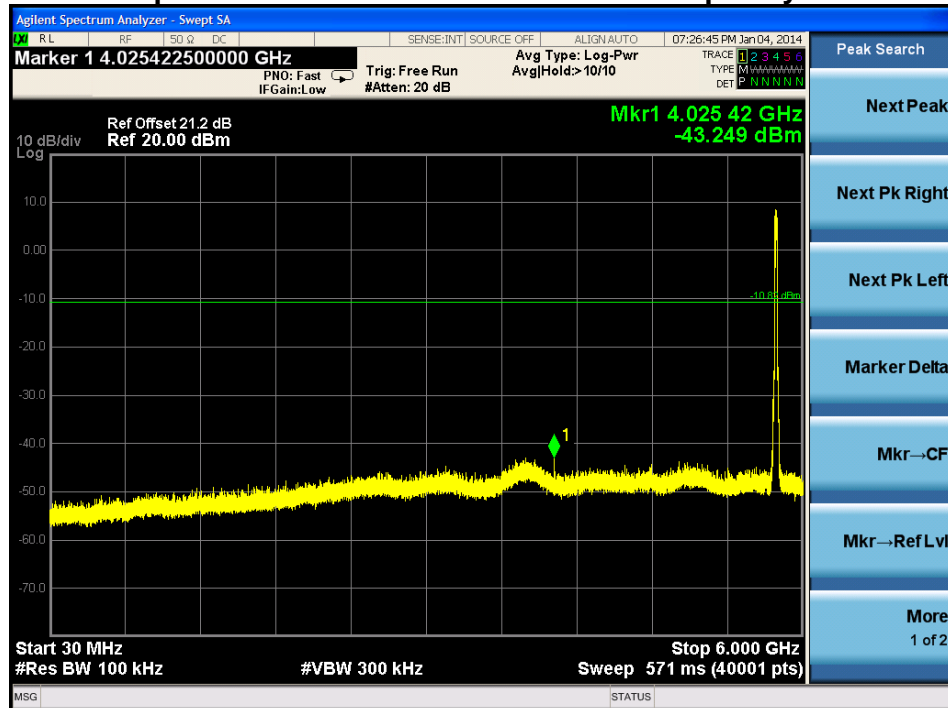
Spurious Emission 5GHz ~ 40GHz - Frequency L



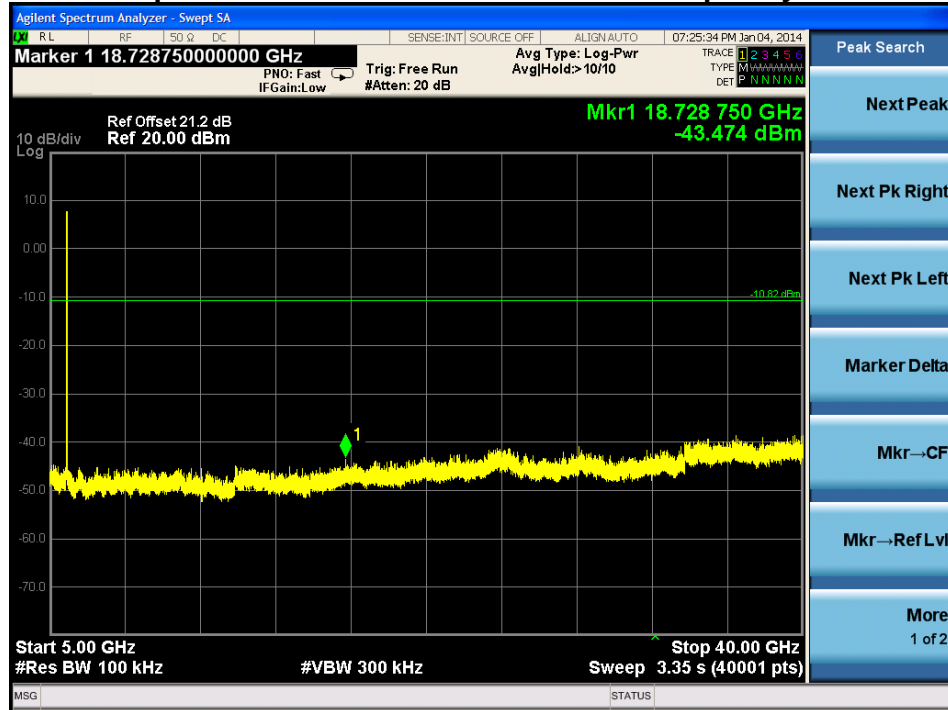
Reference Level - Frequency M



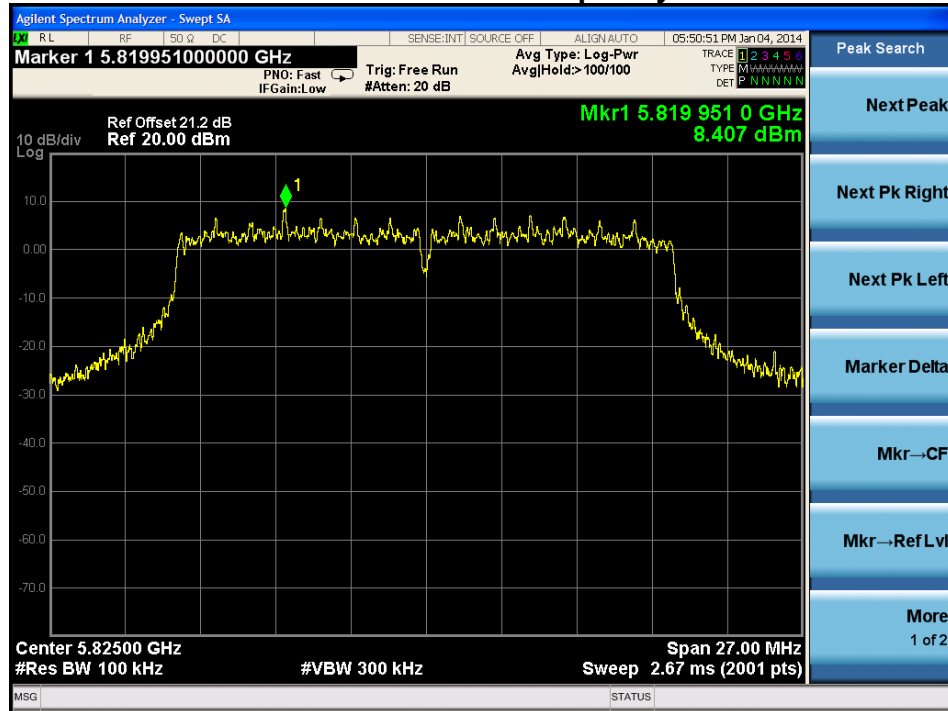
Spurious Emission 30MHz ~ 6GHz - Frequency M



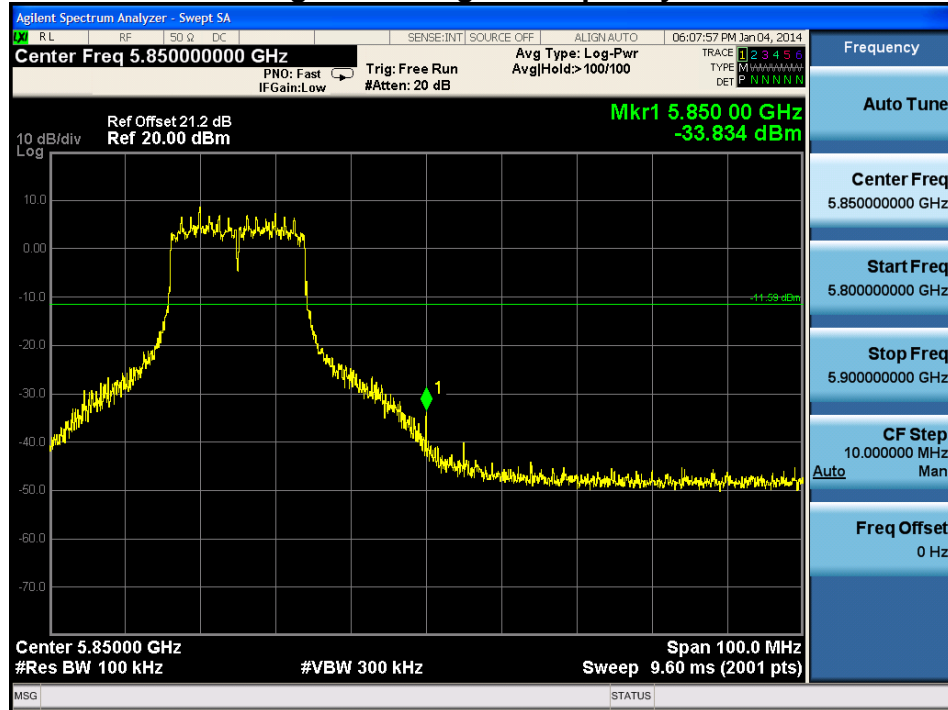
Spurious Emission 5GHz ~ 40GHz - Frequency M



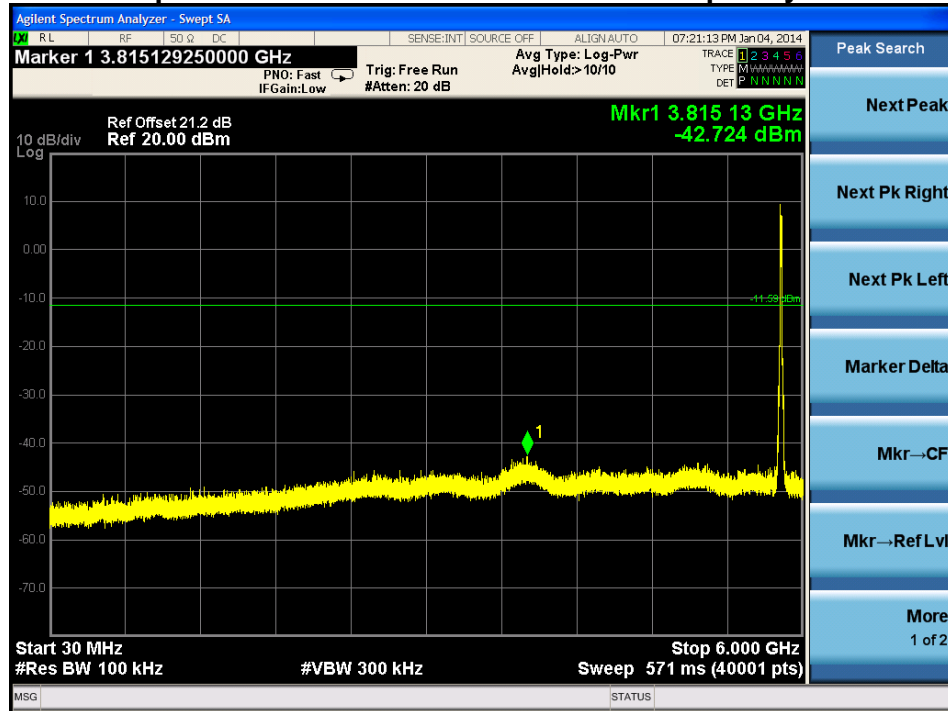
Reference Level - Frequency H



High Band Edge – Frequency H

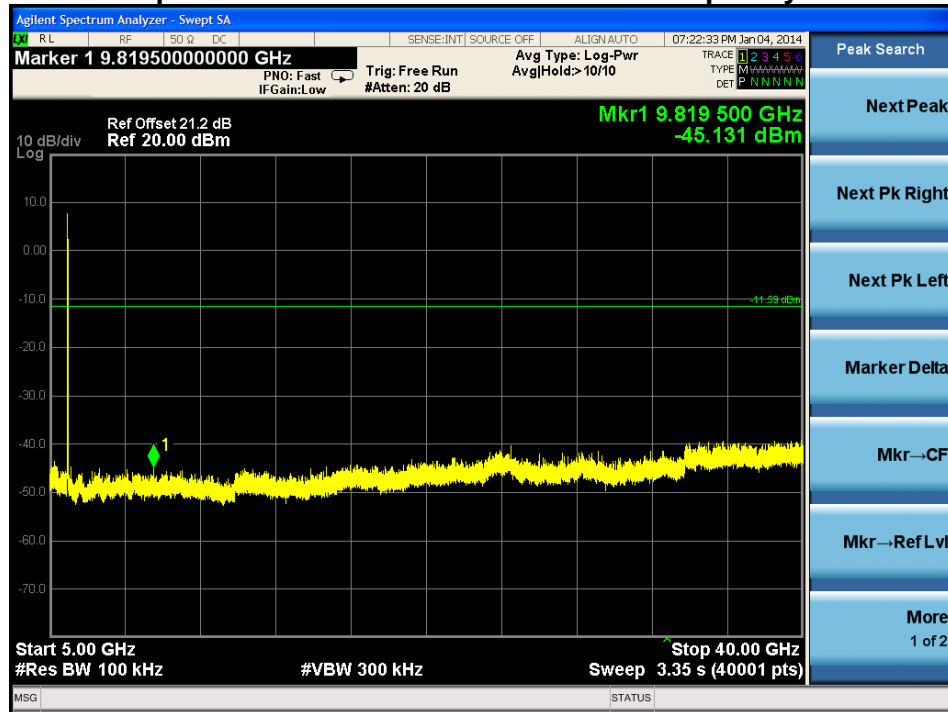


Spurious Emission 30MHz ~ 6GHz - Frequency H





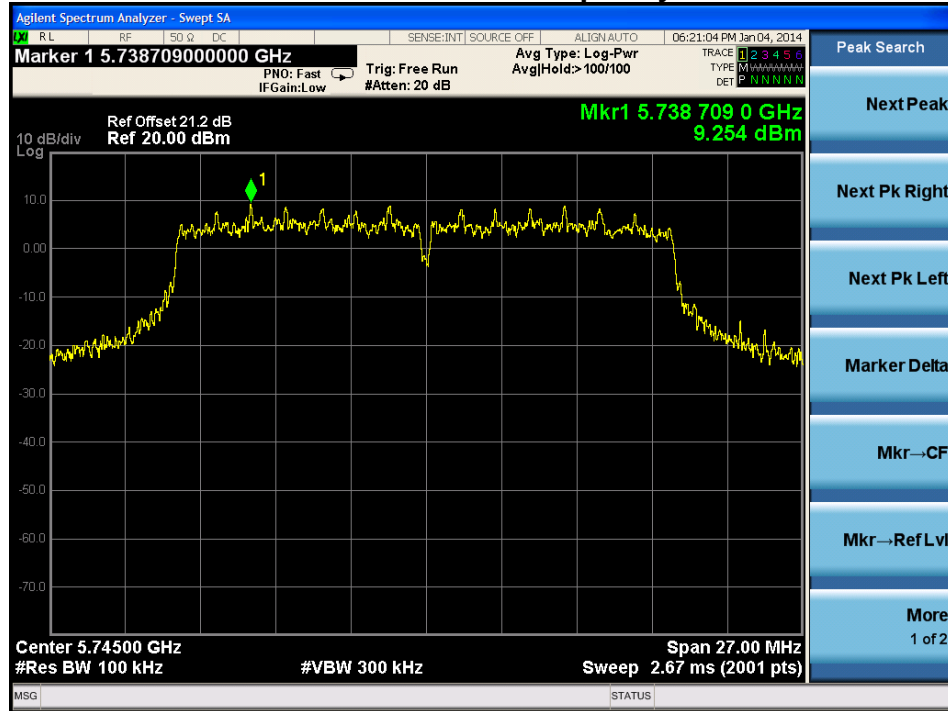
Spurious Emission 5GHz ~ 40GHz - Frequency H



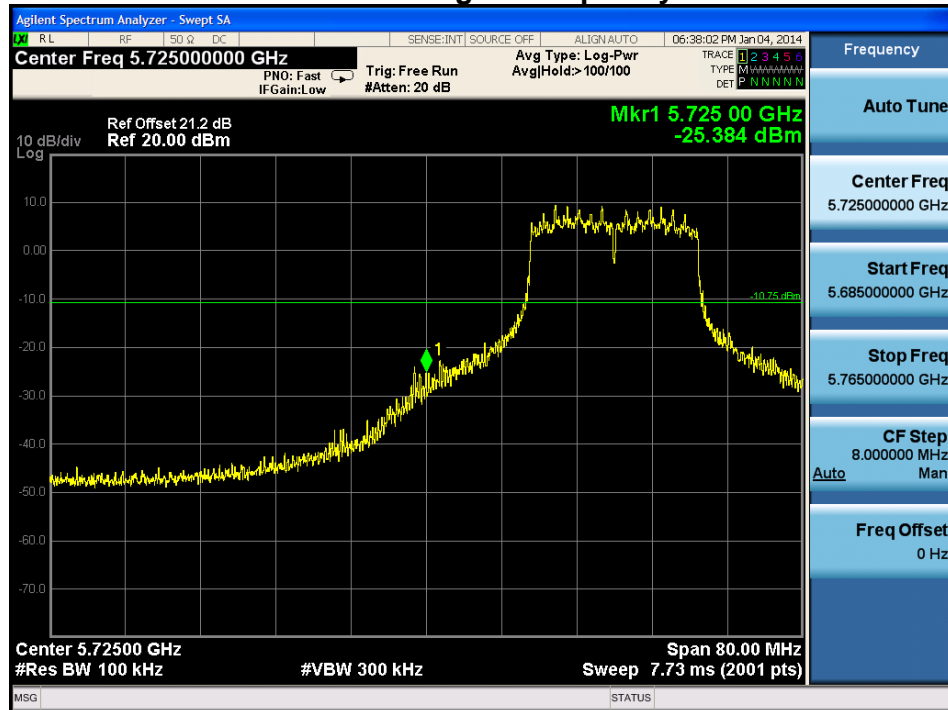


802.11n20 Out-of-Band Emissions – Chain 1 / Chain 0 + 1

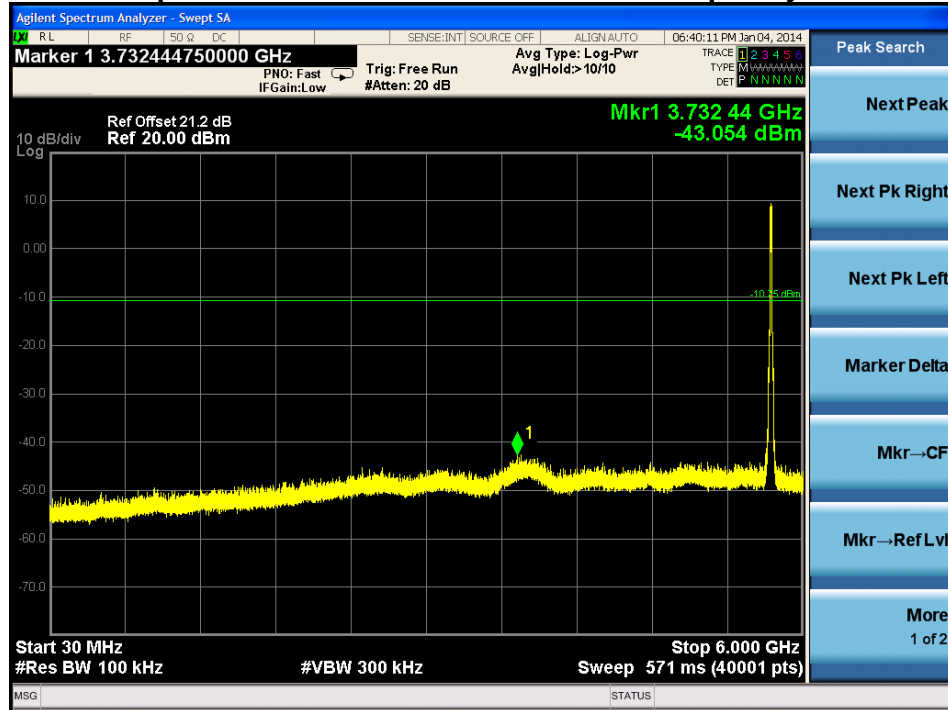
Reference Level - Frequency L



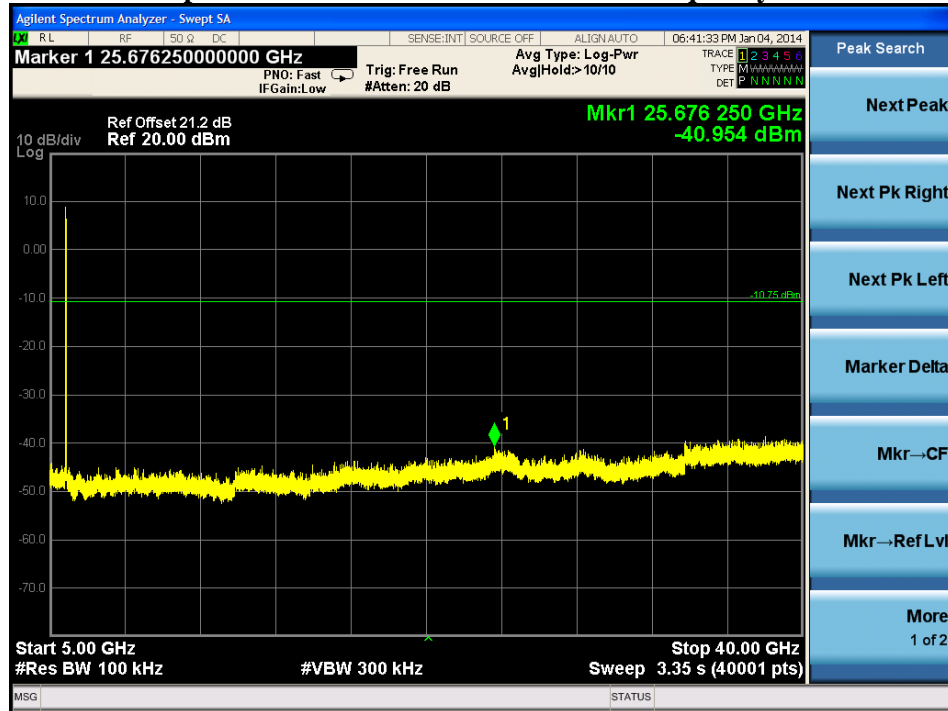
Low Band Edge – Frequency L



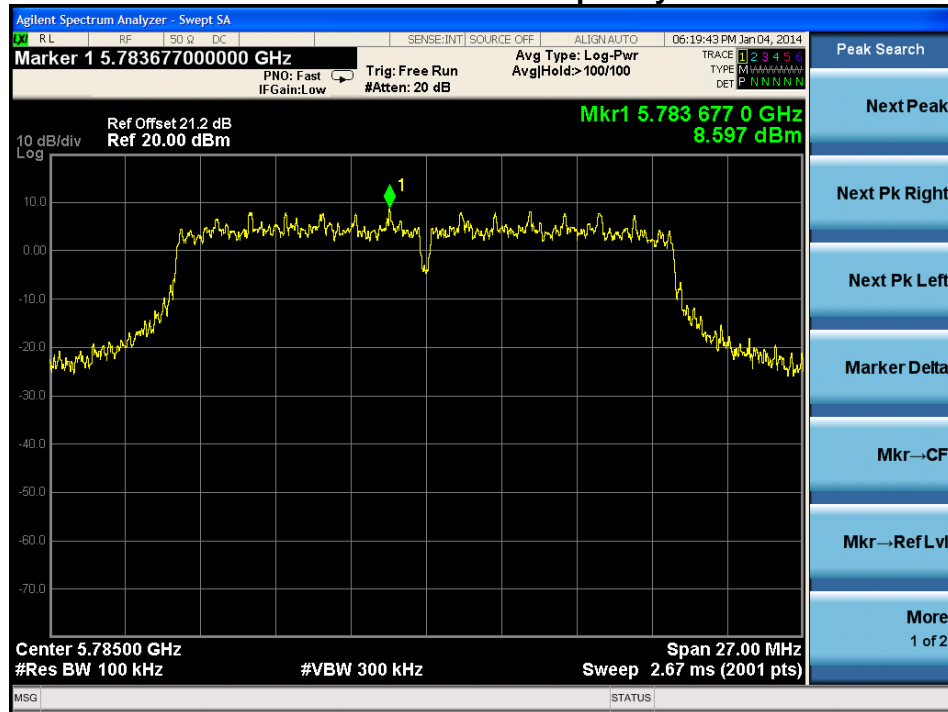
Spurious Emission 30MHz ~ 6GHz - Frequency L



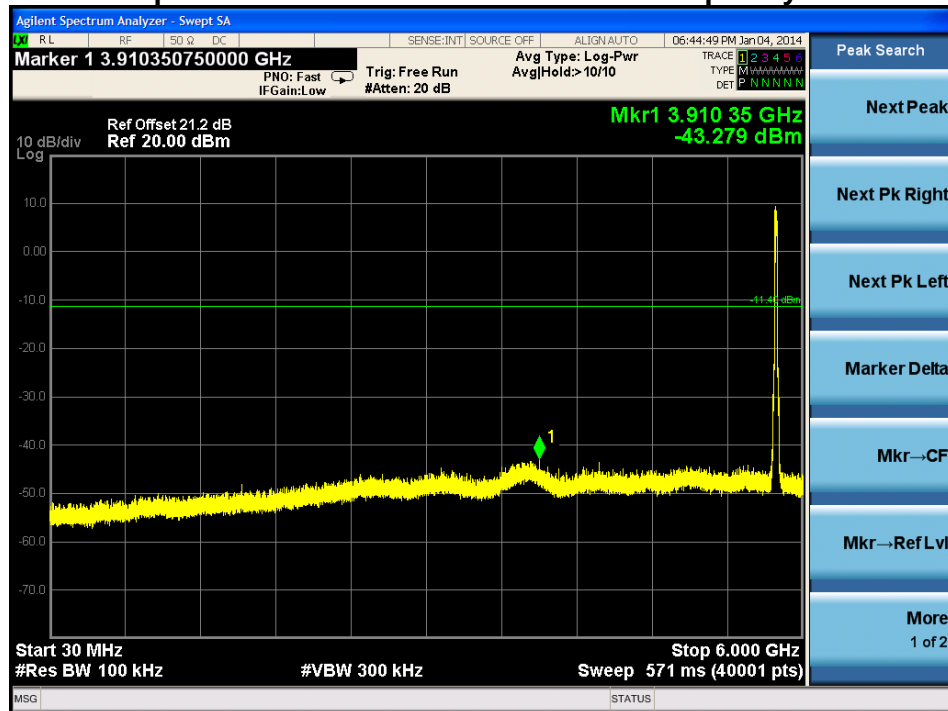
Spurious Emission 5GHz ~ 40GHz - Frequency L



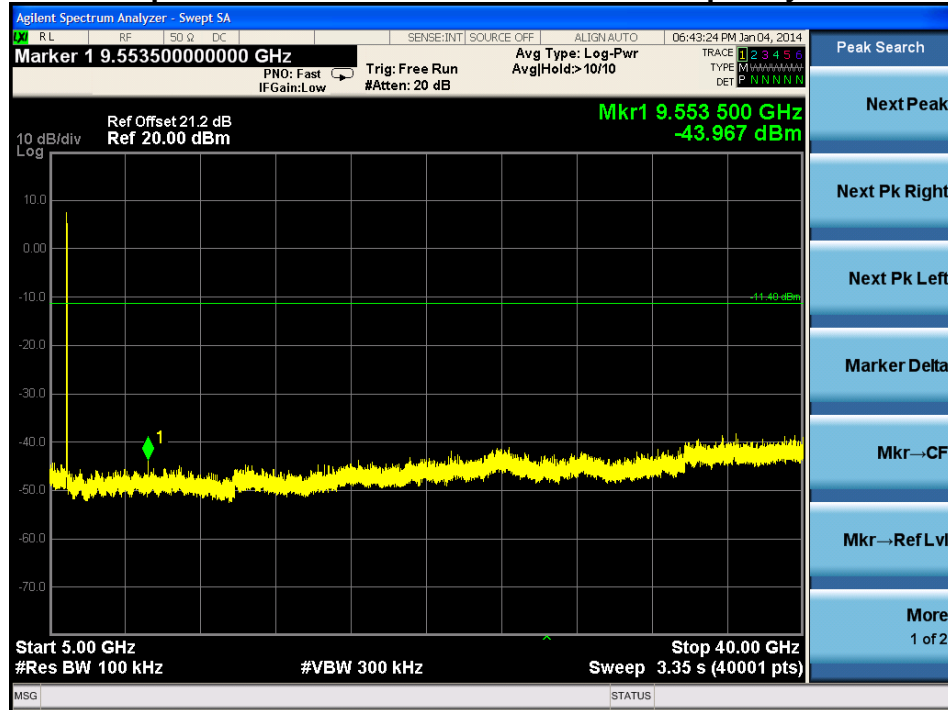
Reference Level - Frequency M



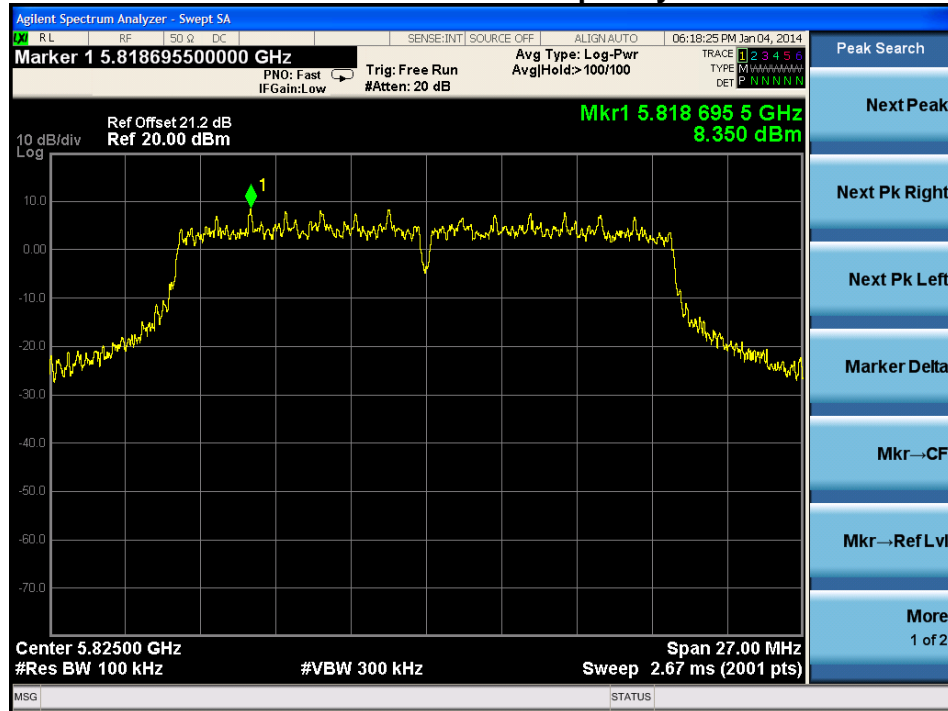
Spurious Emission 30MHz ~ 6GHz - Frequency M



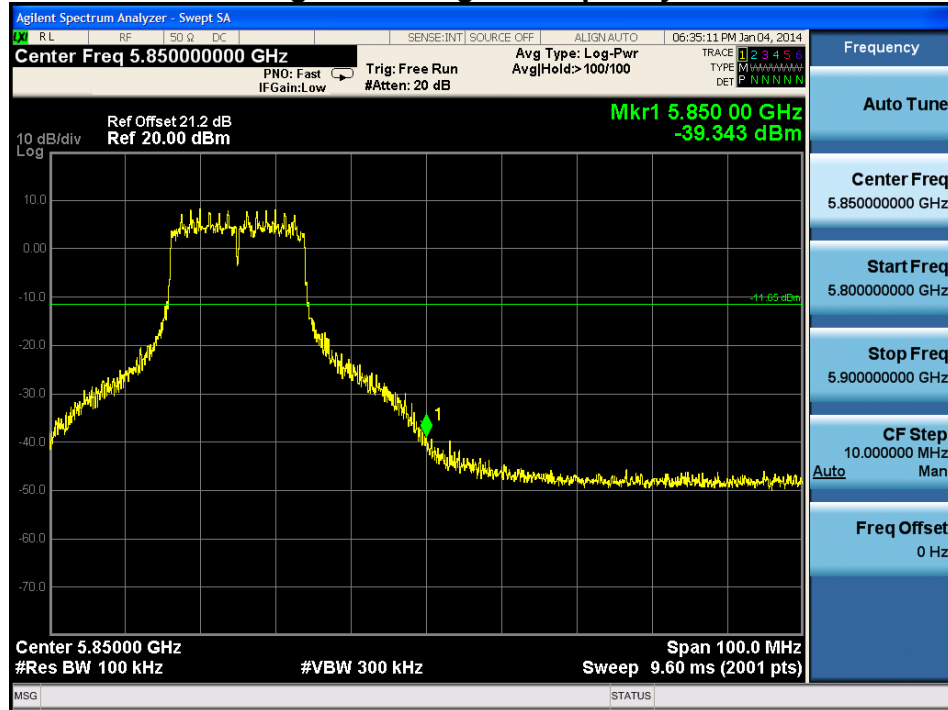
Spurious Emission 5GHz ~ 40GHz – Frequency M



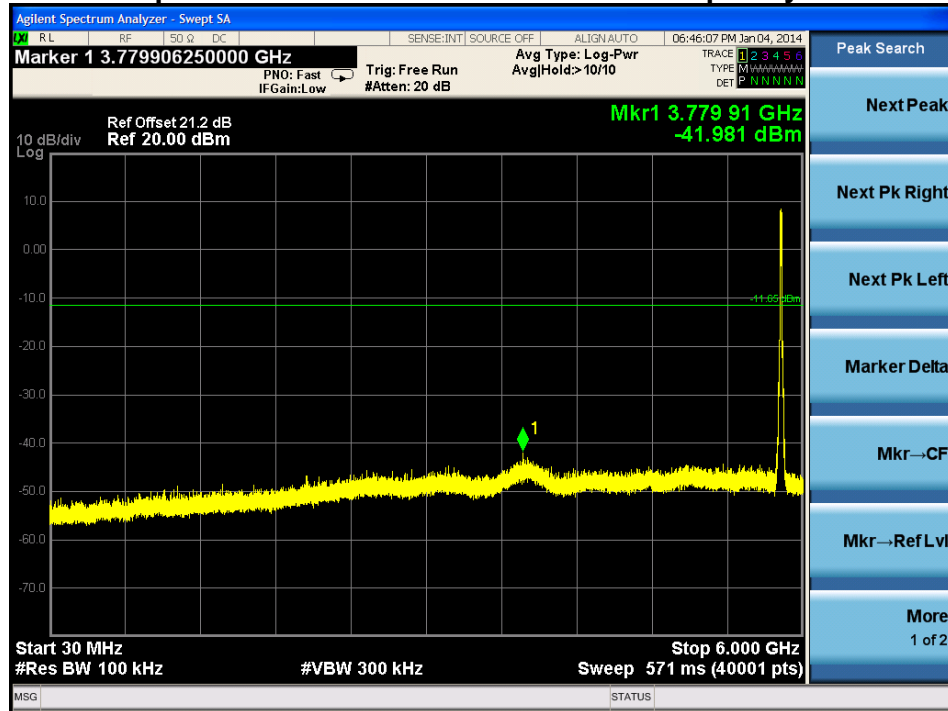
Reference Level - Frequency H



High Band Edge – Frequency H

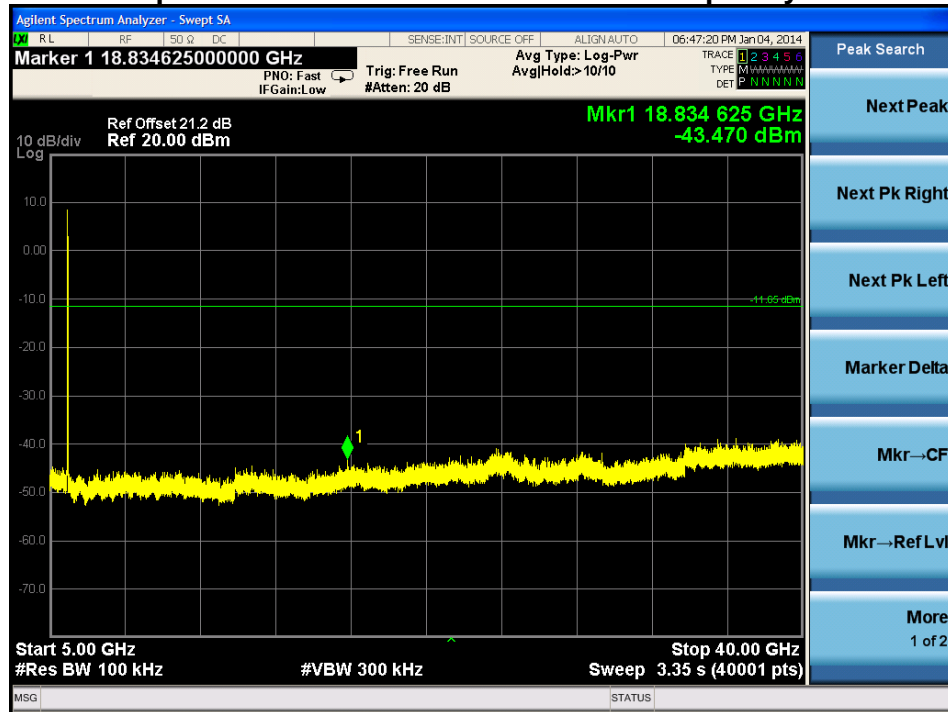


Spurious Emission 30MHz ~ 6GHz - Frequency H



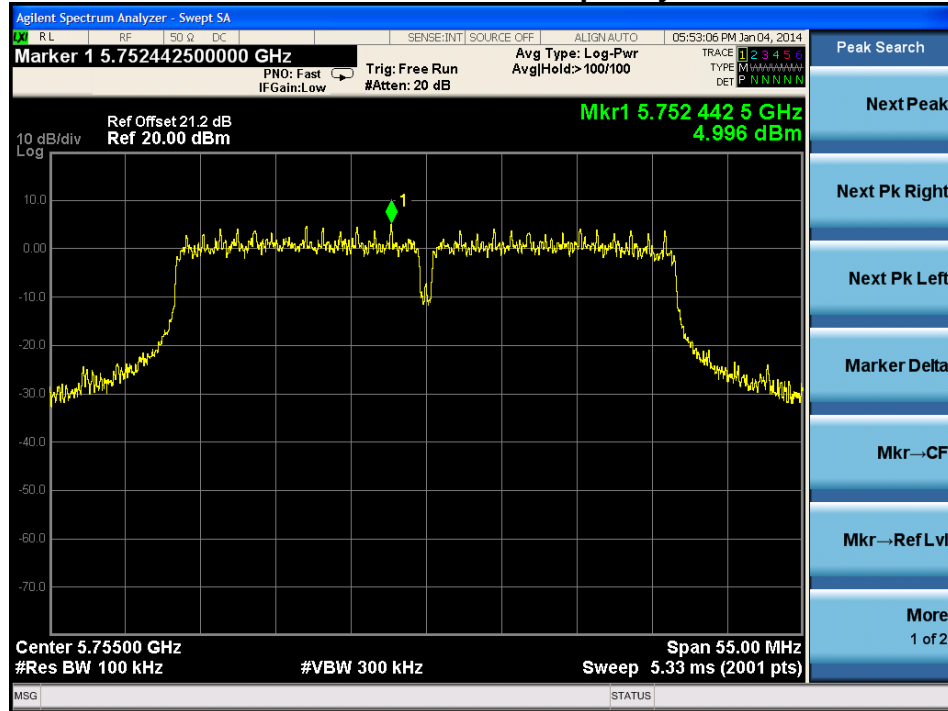


Spurious Emission 5GHz ~ 40GHz - Frequency H

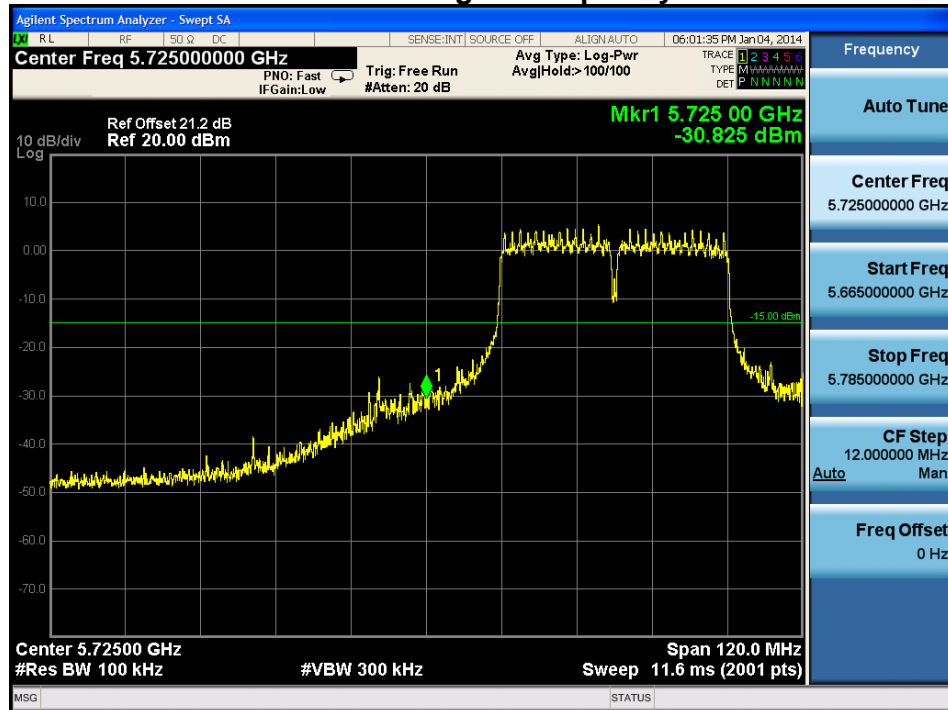


802.11n40 Out-of-Band Emissions – Chain 0 / Chain 0 + 1

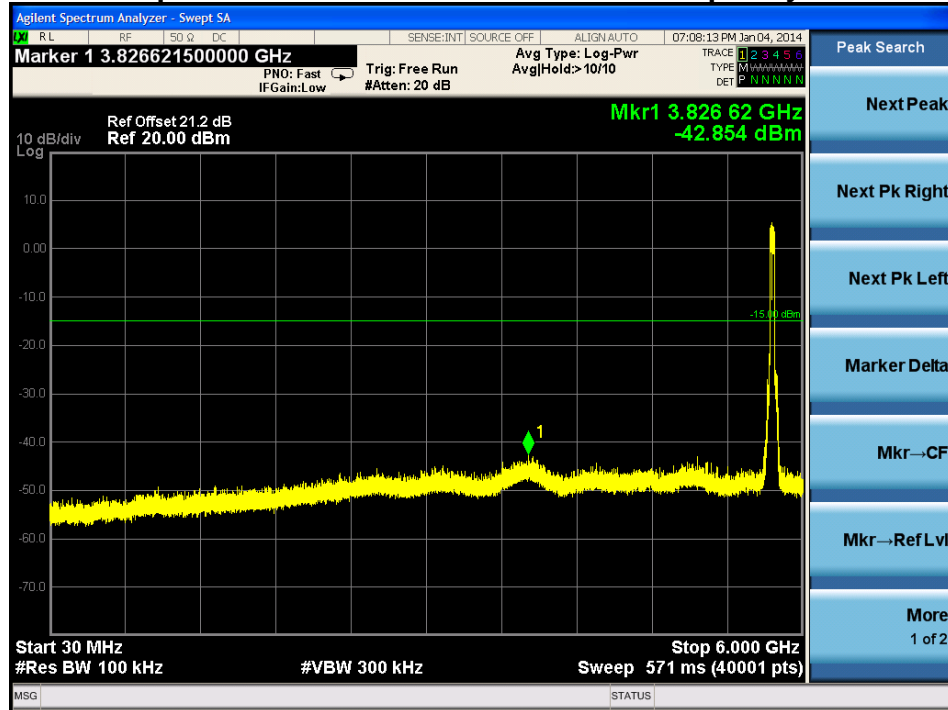
Reference Level - Frequency L



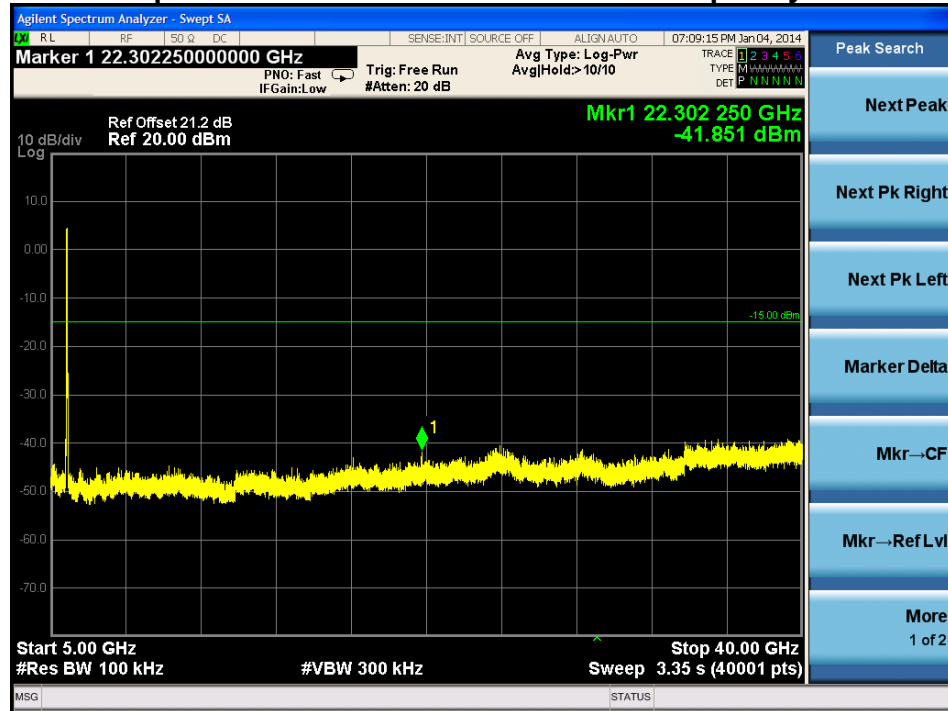
Low Band Edge – Frequency L



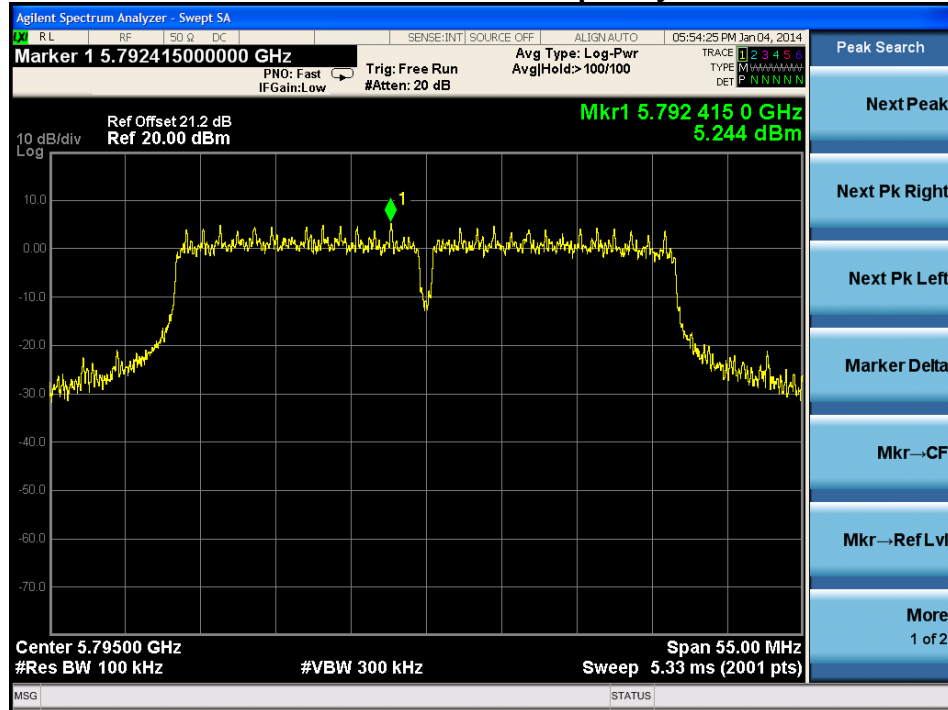
Spurious Emission 30MHz ~ 6GHz - Frequency L



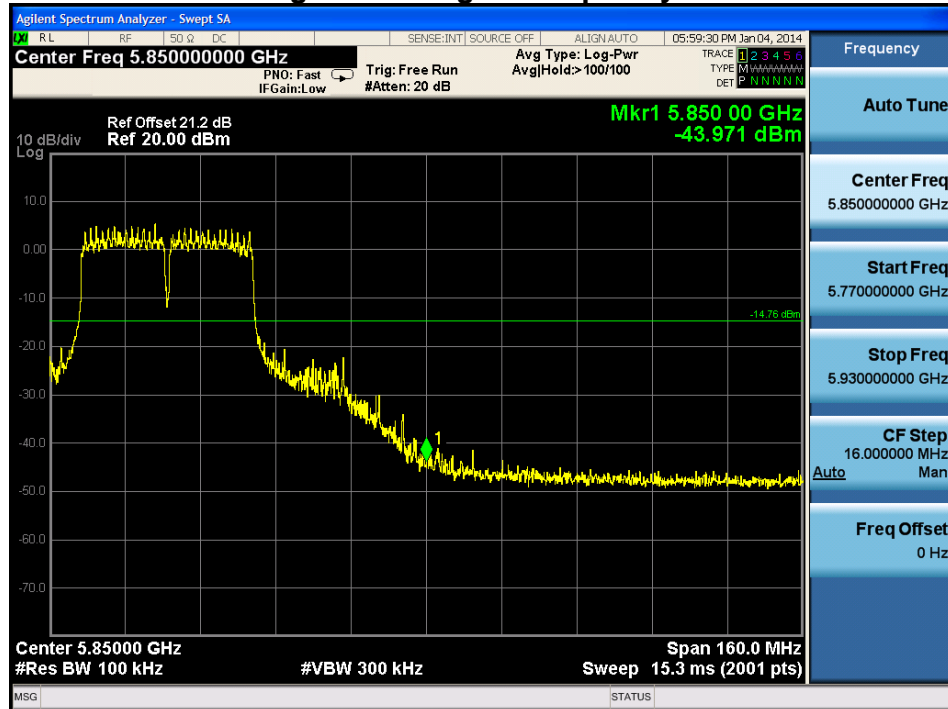
Spurious Emission 5GHz ~ 40GHz – Frequency L



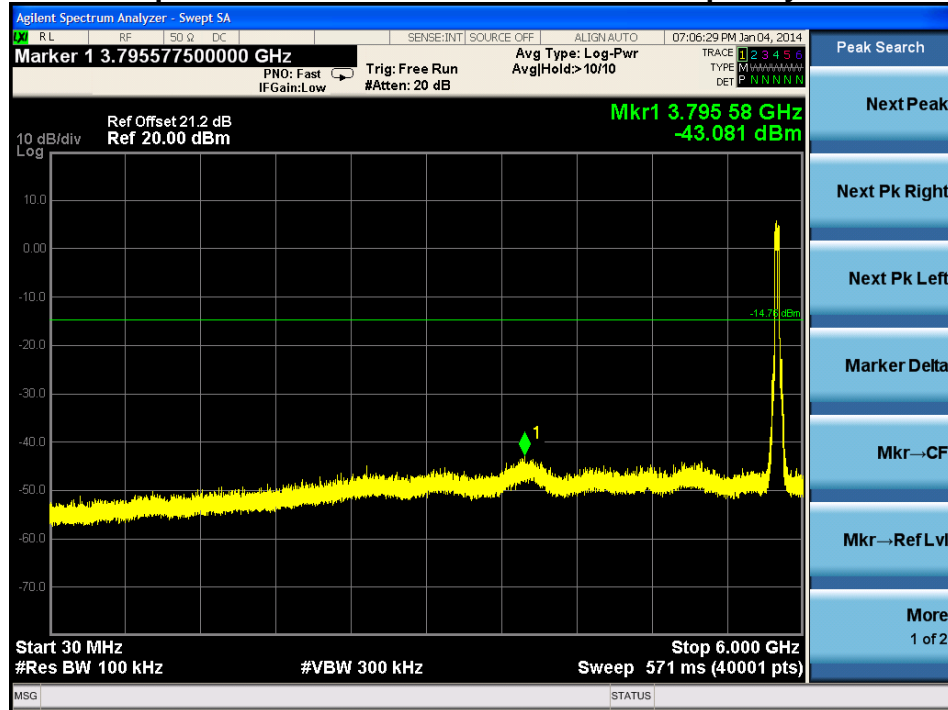
Reference Level - Frequency H



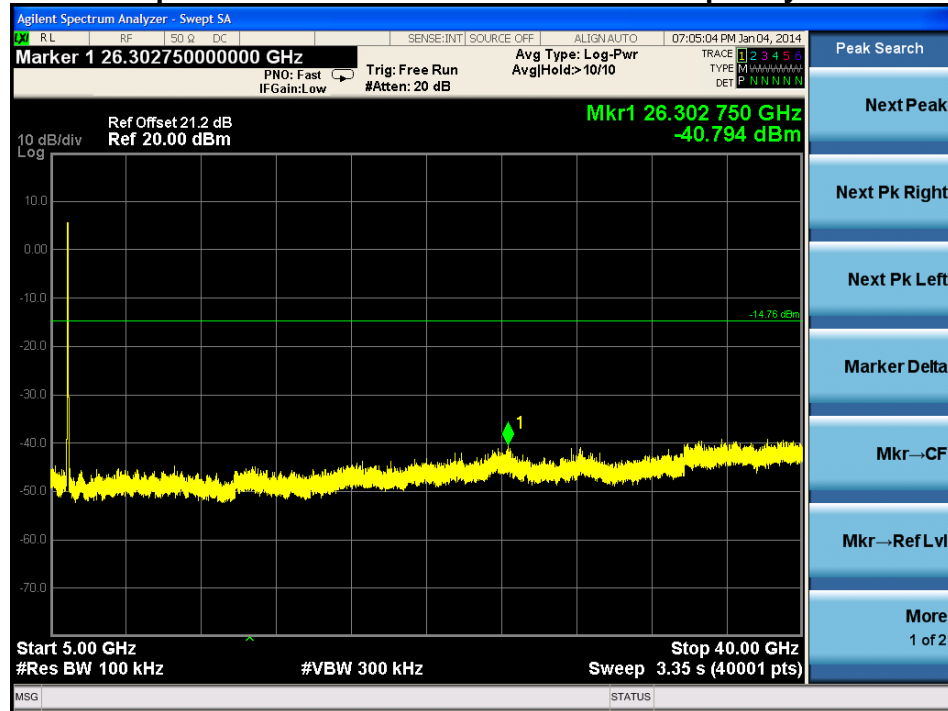
High Band Edge - Frequency H



Spurious Emission 30MHz ~ 6GHz - Frequency H



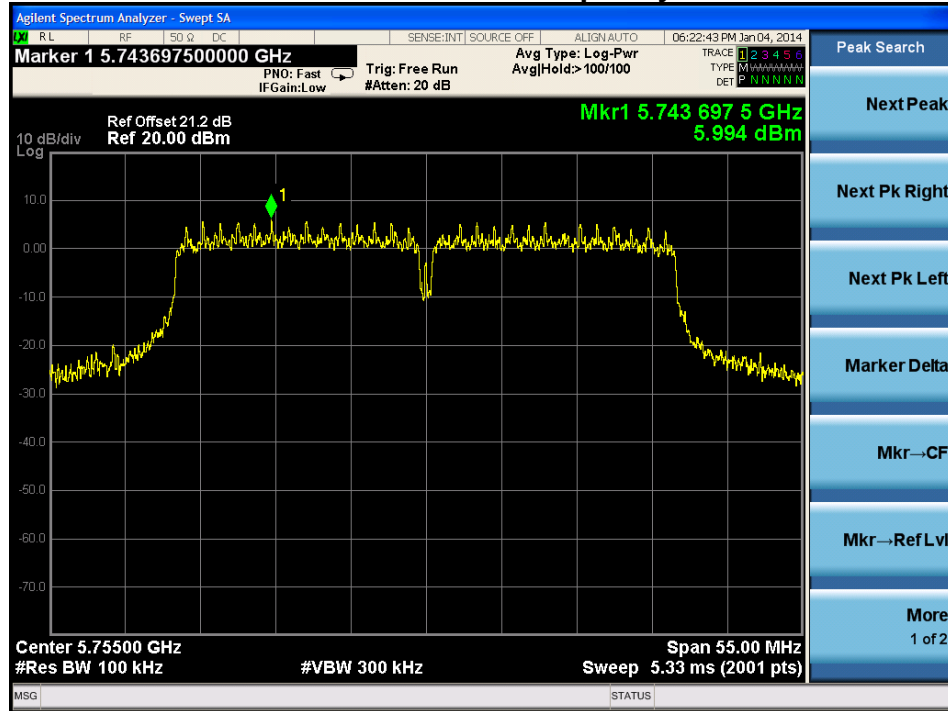
Spurious Emission 5GHz ~ 40GHz - Frequency H



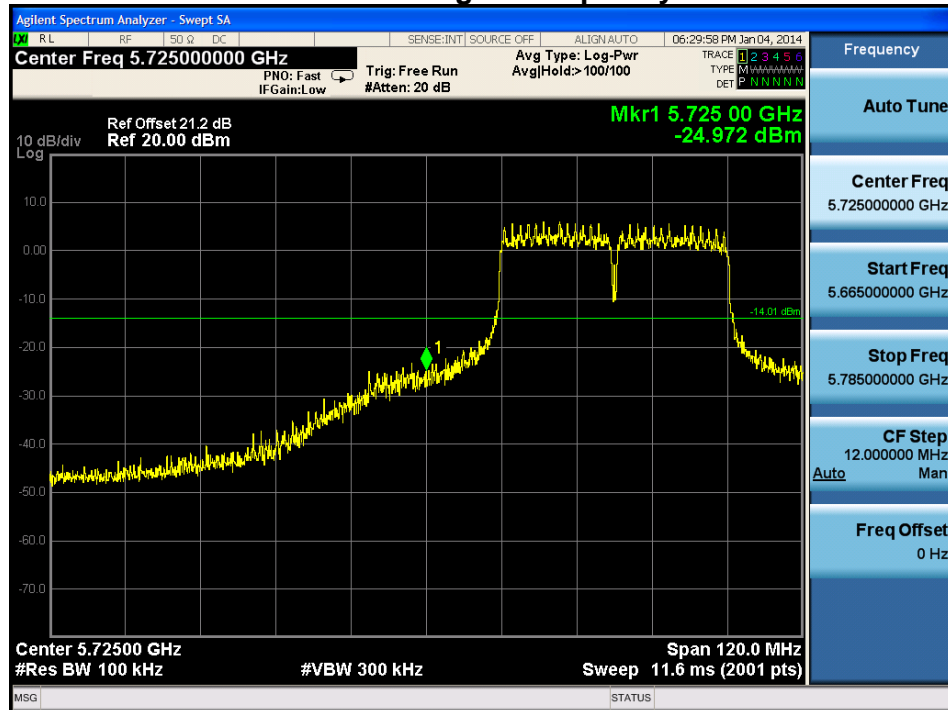


802.1140 Out-of-Band Emissions – Chain 1 / Chain 0 + 1

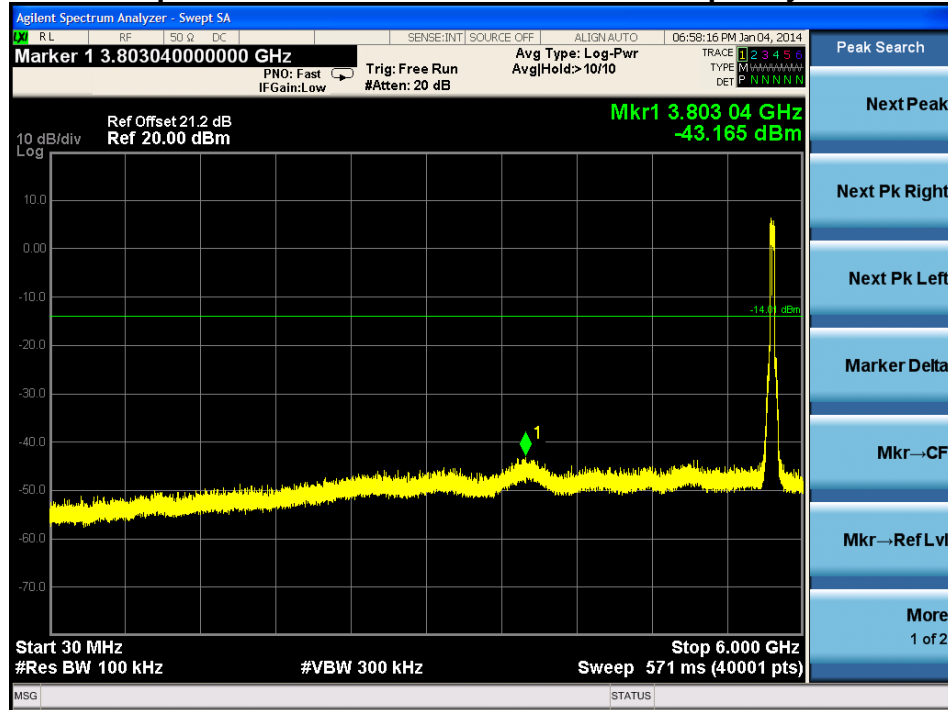
Reference Level - Frequency L



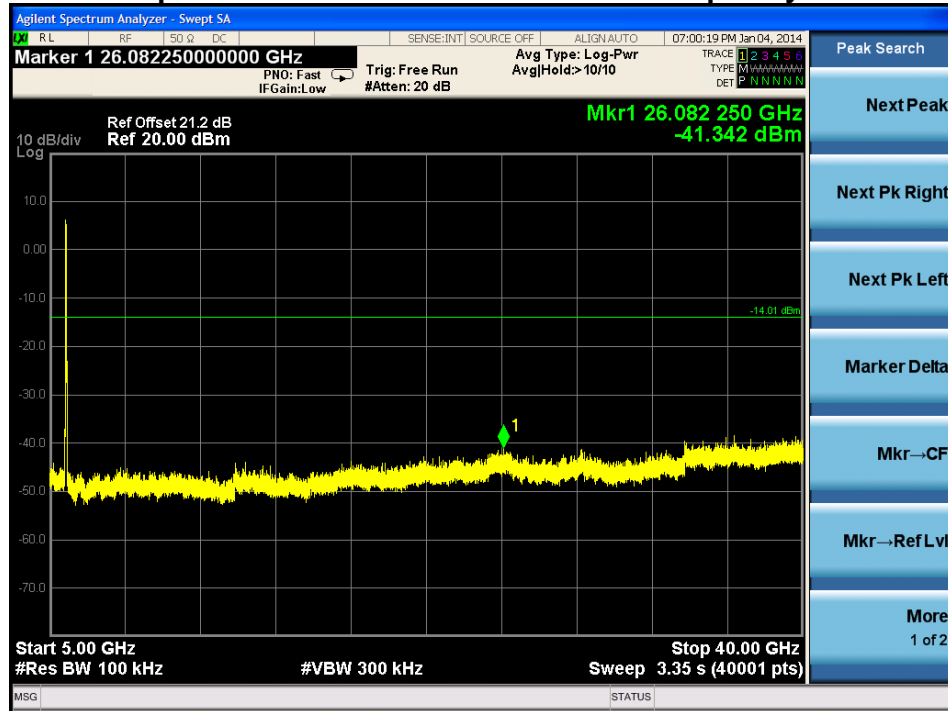
Low Band Edge – Frequency L



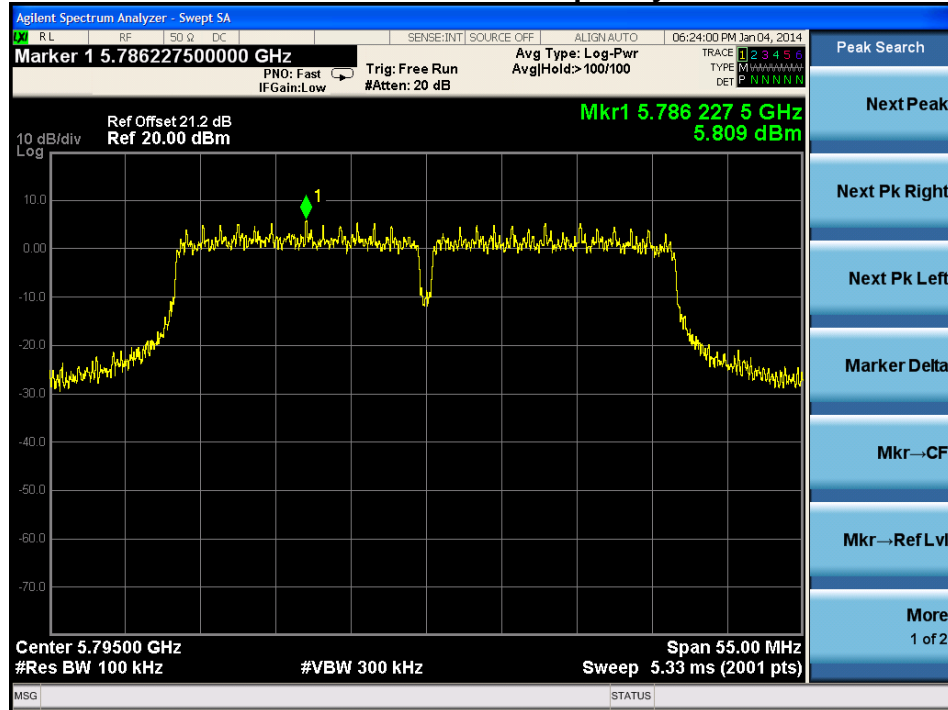
Spurious Emission 30MHz ~ 6GHz - Frequency L



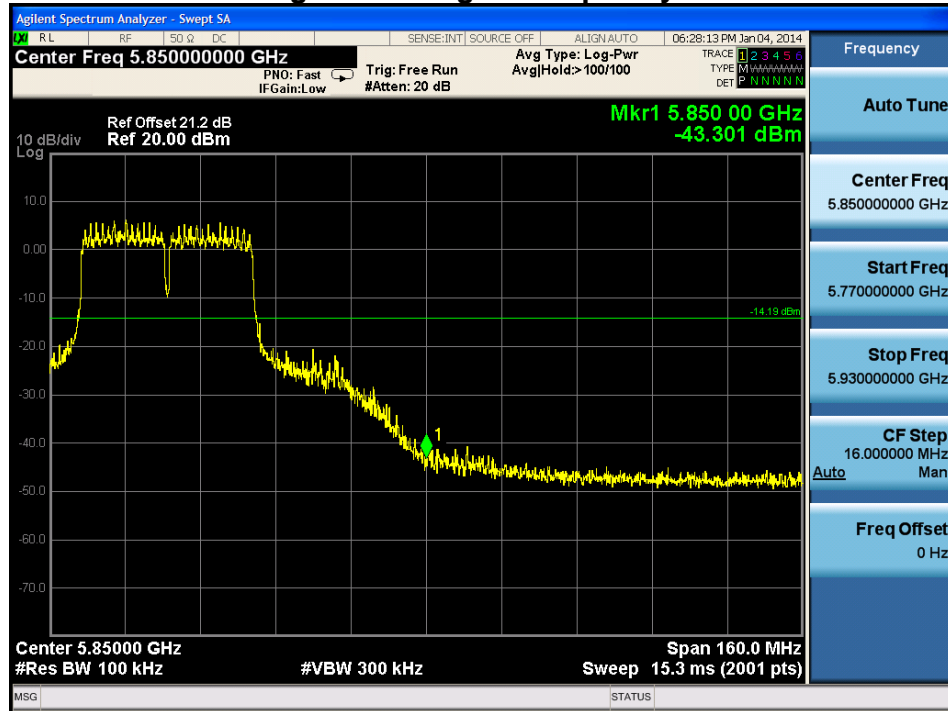
Spurious Emission 5GHz ~ 40GHz - Frequency L



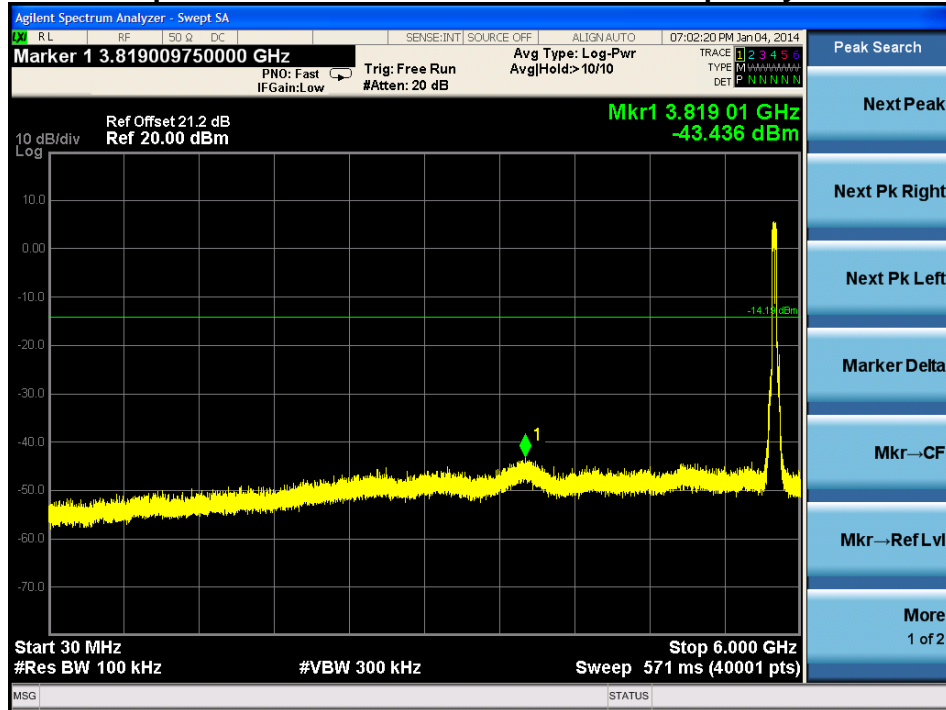
Reference Level - Frequency H



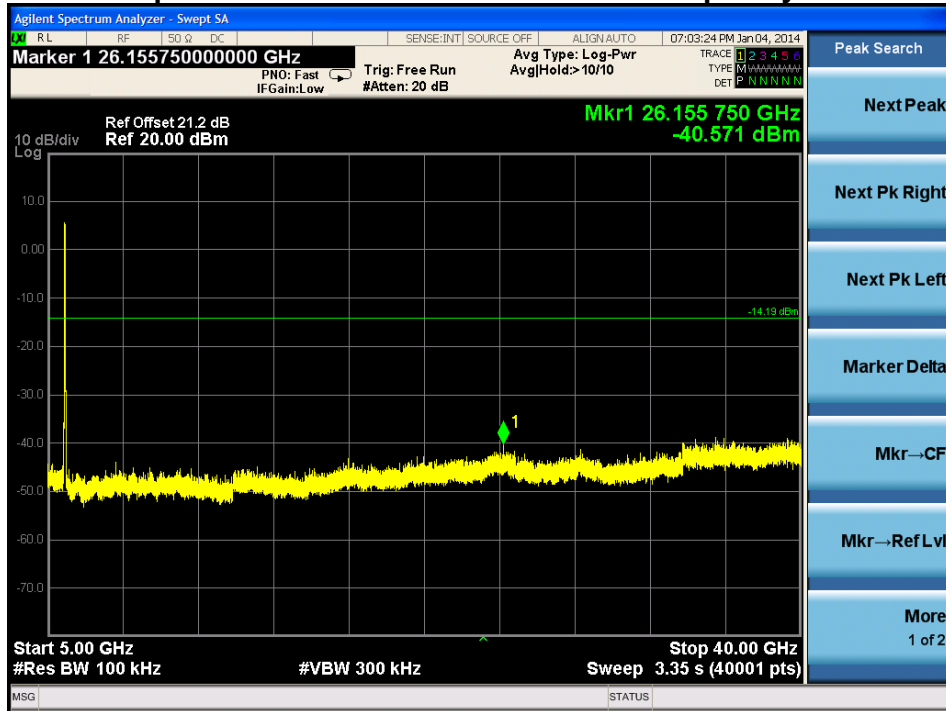
High Band Edge - Frequency H



Spurious Emission 30MHz ~ 6GHz - Frequency H



Spurious Emission 5GHz ~ 40GHz - Frequency H



8. Power line conducted emission

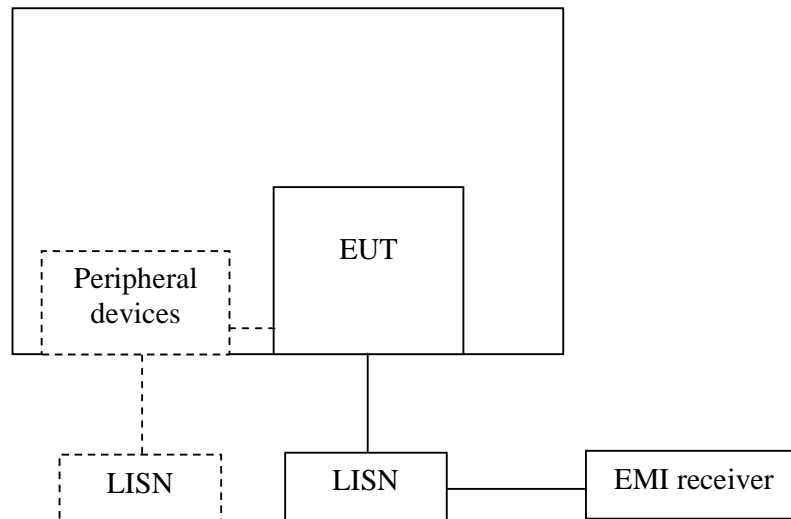
Test result: Pass

8.1 Limit

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	QP	AV
0.15-0.5	66 to 56*	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

8.2 Test configuration



For table top equipment, wooden support is 0.8m height table

For floor standing equipment, wooden support is 0.1m height rack.

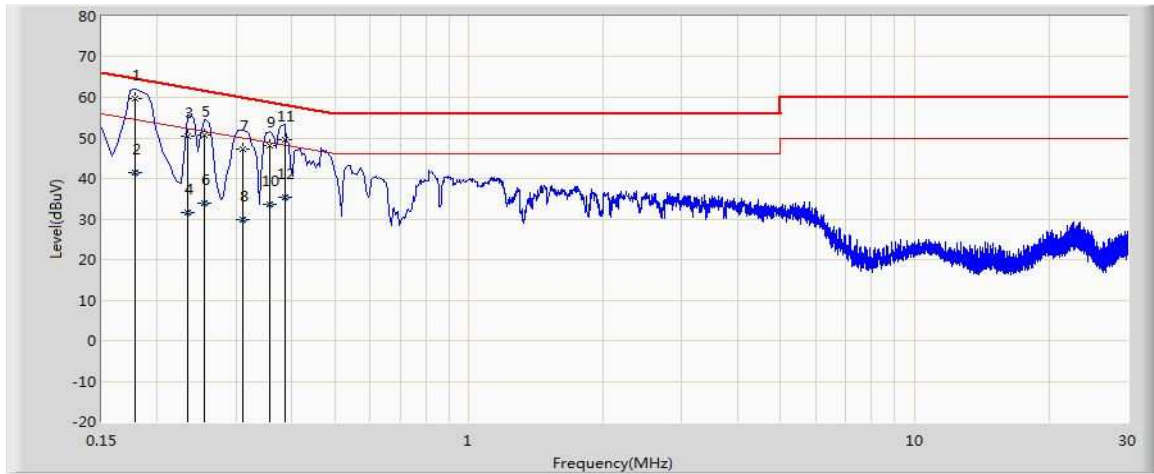
8.3 Test procedure and test set up

The EUT are connected to the main power through a line impedance stabilization network (LISN). This provides a 50 Ω /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 Ω /50uH coupling impedance with 50 Ω termination.

Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement. The bandwidth of the test receiver is set at 9 kHz.

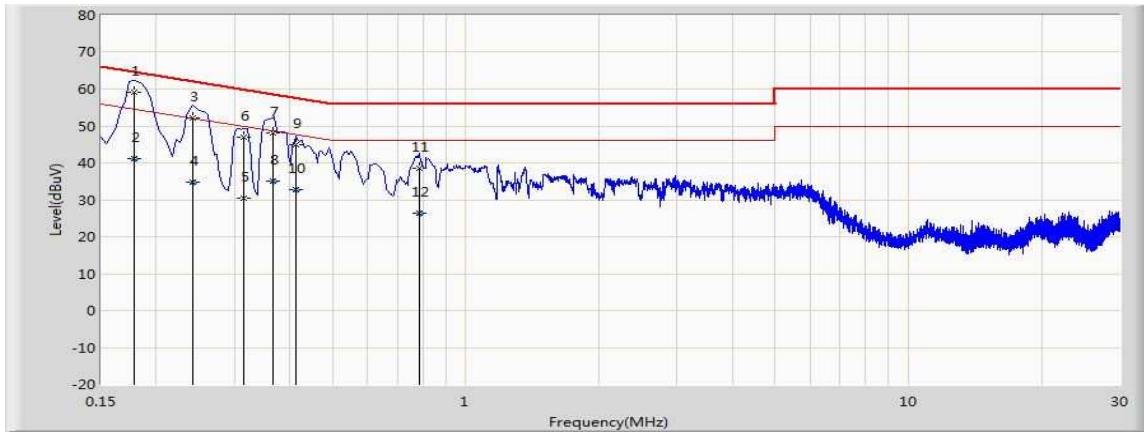
8.4 Test protocol

L Line:



Frequency (MHz)	Reading Level (dBuV)	Factor	Measure Level (dBuV)	Limit (dBuV)	Over Limit (dB)	Type
0.178	49.541	10.058	59.600	64.578	-4.979	QP
0.178	31.324	10.058	41.382	54.578	-13.196	AV
0.234	40.457	9.951	50.408	62.307	-11.899	QP
0.234	21.576	9.951	31.527	52.307	-20.780	AV
0.254	40.722	9.967	50.689	61.625	-10.936	QP
0.254	24.025	9.967	33.992	51.625	-17.633	AV
0.310	37.124	10.012	47.136	59.970	-12.834	QP
0.310	19.944	10.012	29.956	49.970	-20.015	AV
0.358	38.171	10.051	48.222	58.775	-10.553	QP
0.358	23.704	10.051	33.755	48.775	-15.020	AV
0.386	39.369	10.074	49.443	58.149	-8.707	QP
0.386	25.390	10.074	35.464	48.149	-12.686	AV

N line:



Frequency (MHz)	Reading Level (dBuV)	Factor	Measure Level (dBuV)	Limit (dBuV)	Over Limit (dB)	Factor	Type
0.178	49.100	10.049	59.149	64.578	-5.429	10.049	QP
0.178	31.200	10.049	41.249	54.578	-13.329	10.049	AV
0.242	42.100	9.995	52.095	62.027	-9.932	9.995	QP
0.242	24.800	9.995	34.795	52.027	-17.232	9.995	AV
0.314	20.300	10.048	30.348	59.864	-29.516	10.048	QP
0.314	36.800	10.048	46.848	59.864	-13.016	10.048	QP
0.366	37.900	10.087	47.987	58.591	-10.604	10.087	QP
0.366	25.000	10.087	35.087	48.591	-13.504	10.087	AV
0.414	34.800	10.123	44.923	57.568	-12.645	10.123	QP
0.414	22.600	10.123	32.723	47.568	-14.845	10.123	AV
0.786	28.600	10.027	38.627	56.000	-17.373	10.027	QP
0.786	16.400	10.027	26.427	46.000	-19.573	10.027	AV

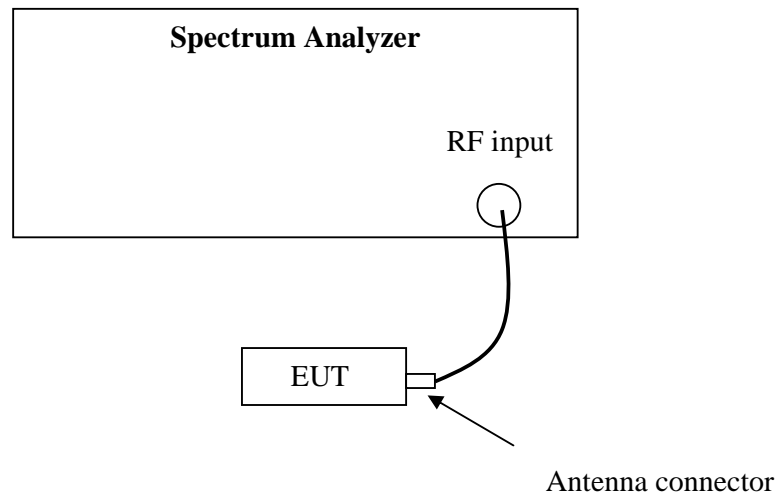
9. Occupied Bandwidth

Test Status: Tested

9.1 Test limit

None

9.2 Test Configuration



9.3 Test procedure and test setup

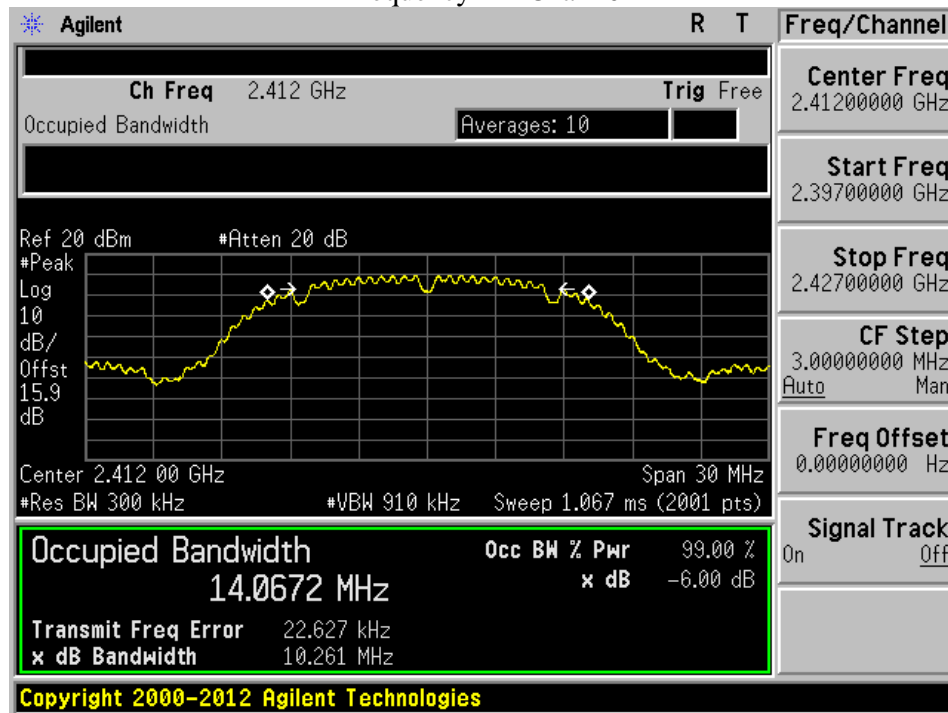
The occupied bandwidth per RSS-Gen Issue 3 Clause 4.6.1 was measured using the Spectrum Analyzer.

9.4 Test protocol

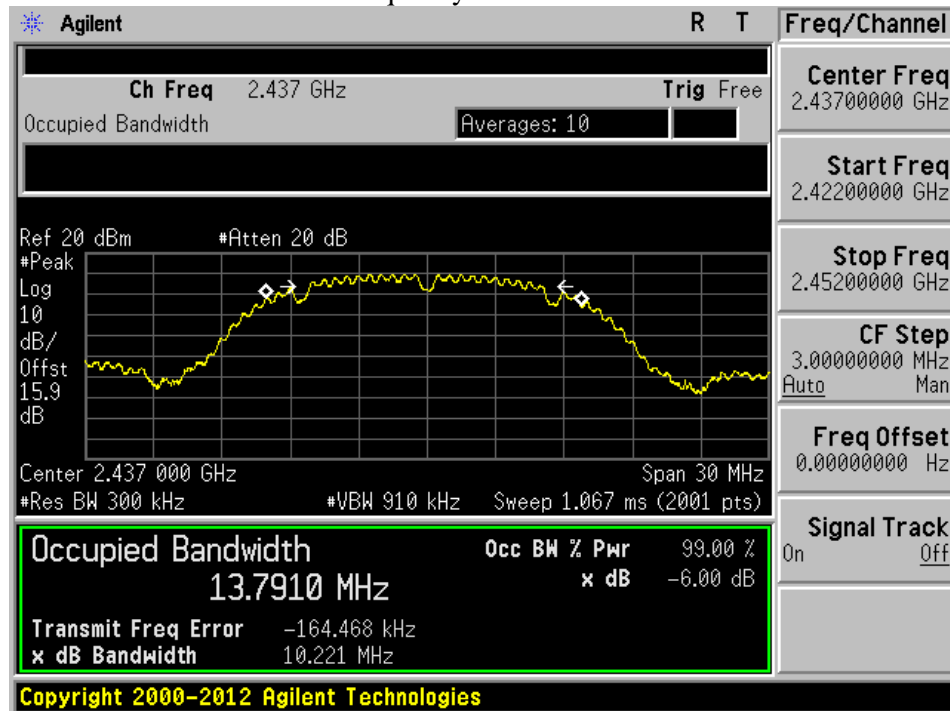
Temperature : 25 °C
Relative Humidity : 55 %

Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11b – chain 0	L	14.0672	≥0.5
	M	13.7910	
	H	13.7606	

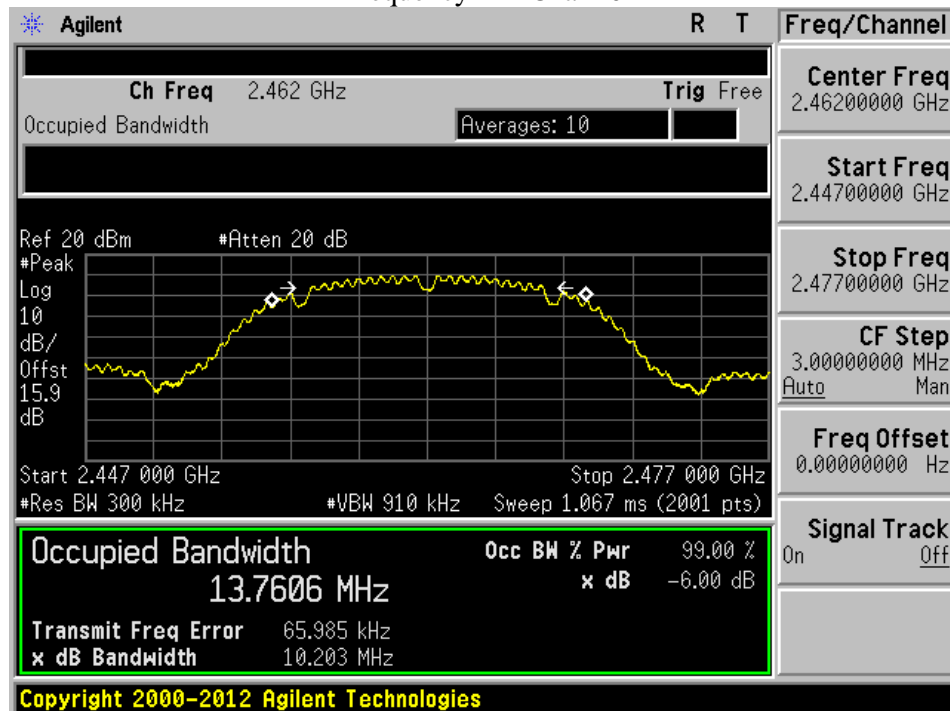
Frequency L – Chain 0



Frequency M – Chain 0



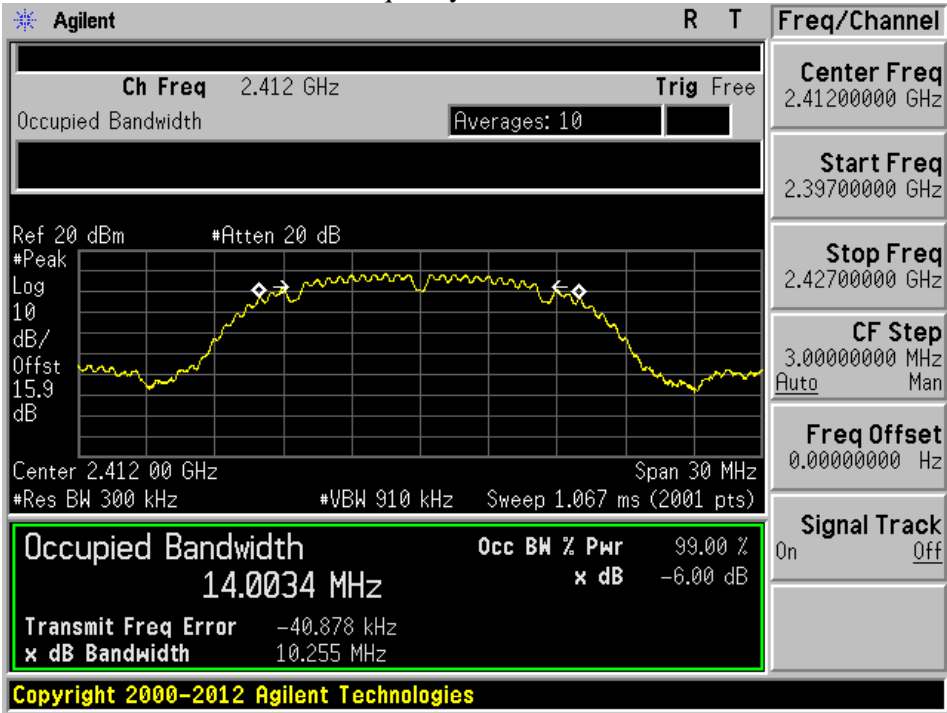
Frequency H – Chain 0



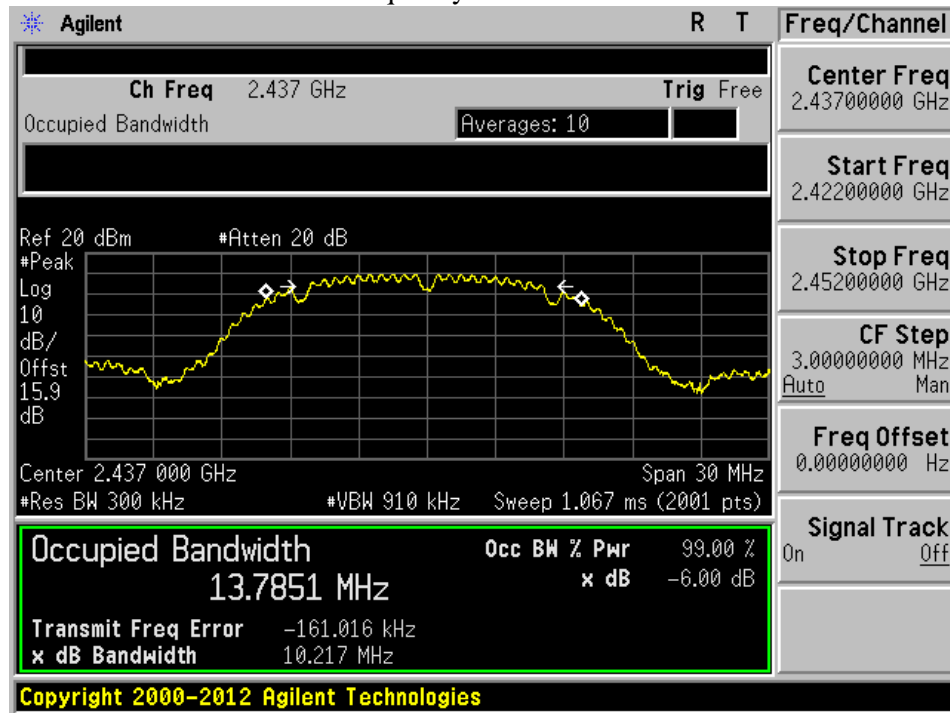


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11b – chain 1	L	14.0034	≥0.5
	M	13.7851	
	H	13.8281	

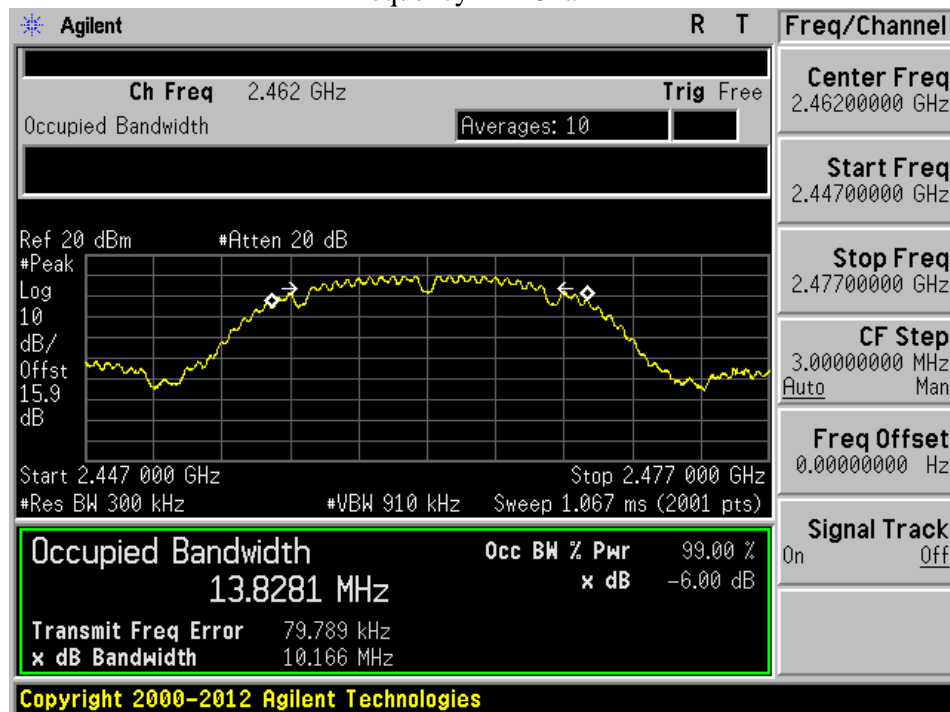
Frequency L – Chain 1



Frequency M – Chain 1



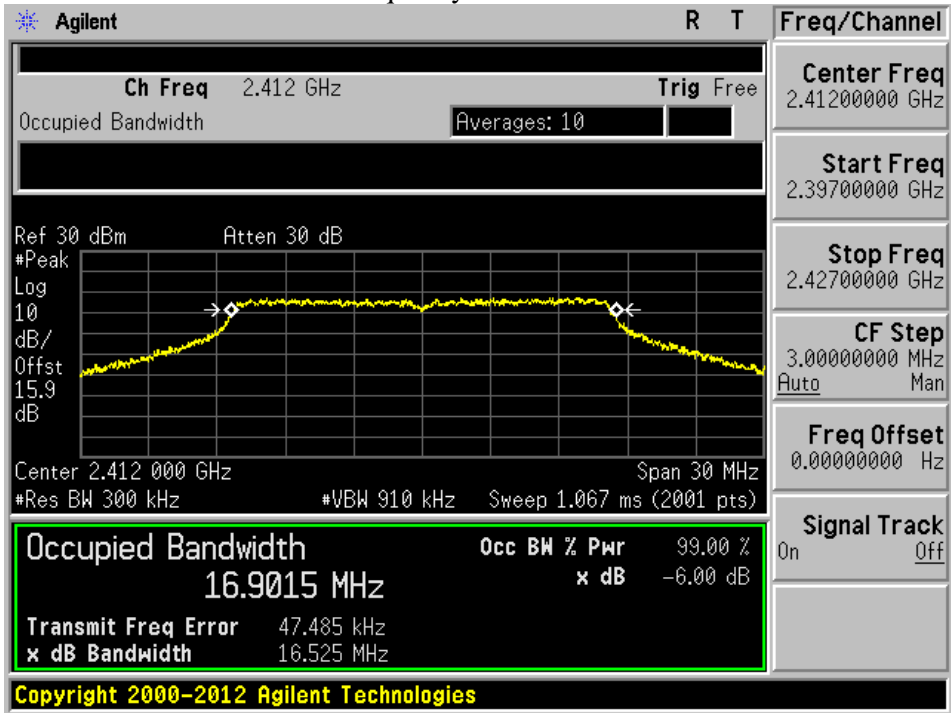
Frequency H – Chain 1



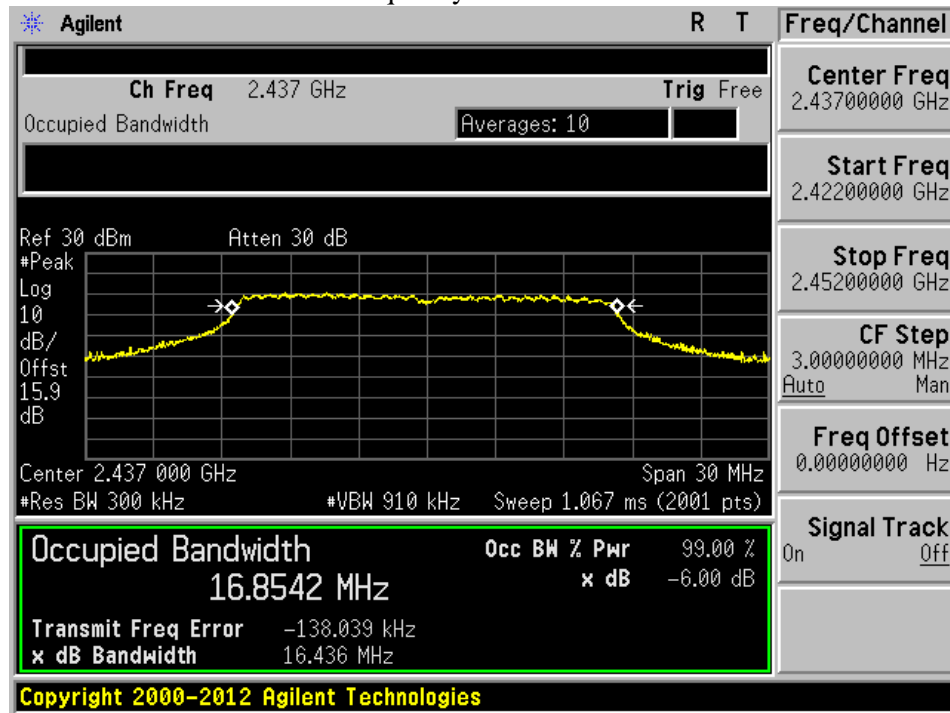


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11g – chain 0	L	16.9015	≥0.5
	M	16.8542	
	H	16.6805	

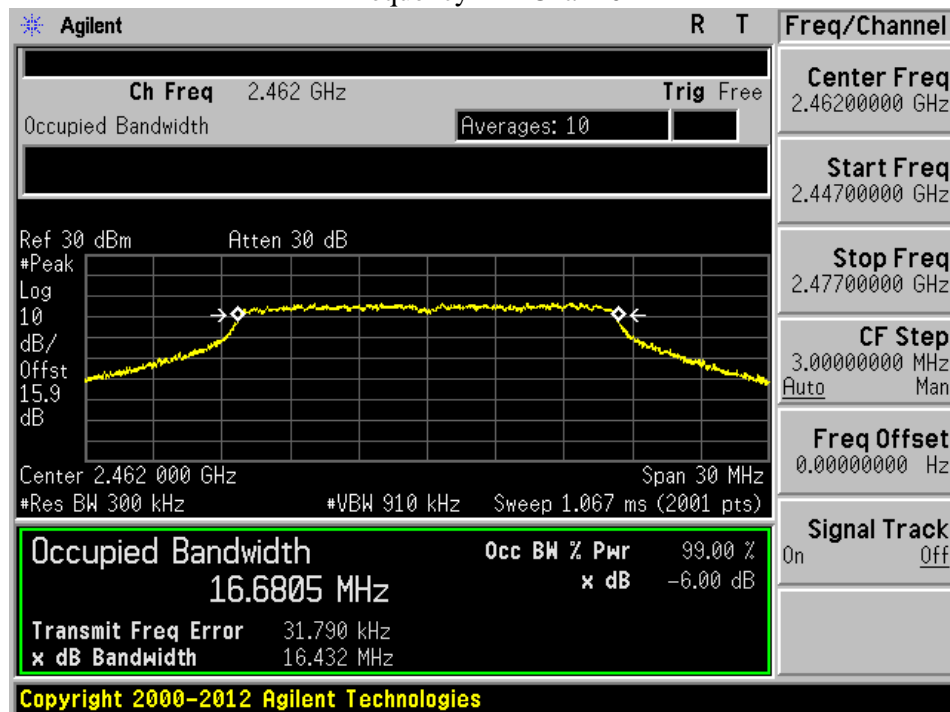
Frequency L – Chain 0



Frequency M – Chain 0



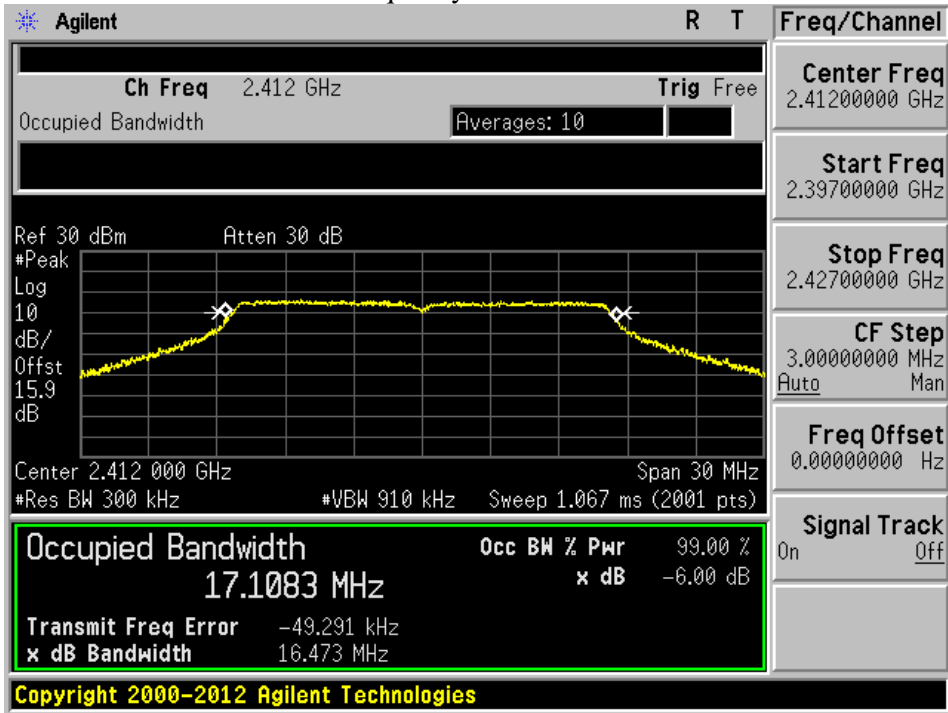
Frequency H – Chain 0



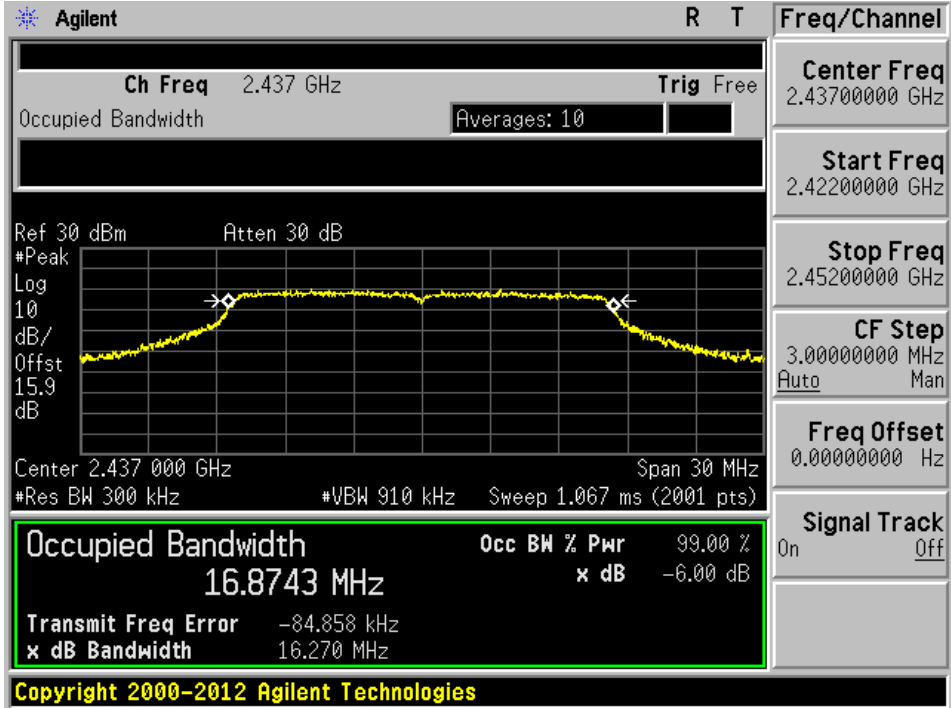


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11g – chain 1	L	17.1083	≥0.5
	M	16.8743	
	H	16.9715	

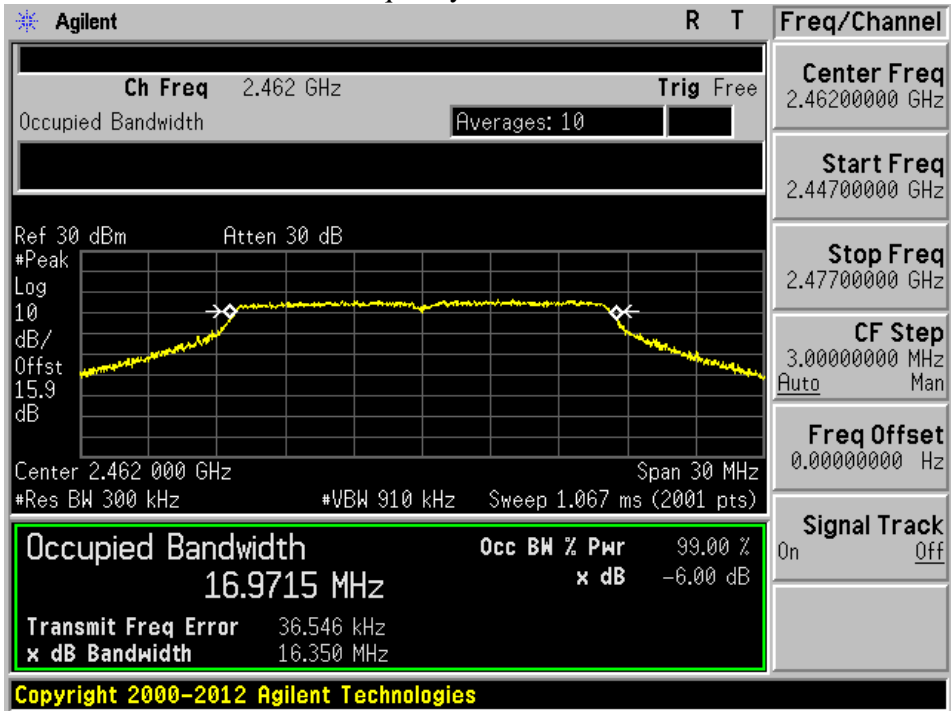
Frequency L – Chain 1



Frequency M – Chain 1



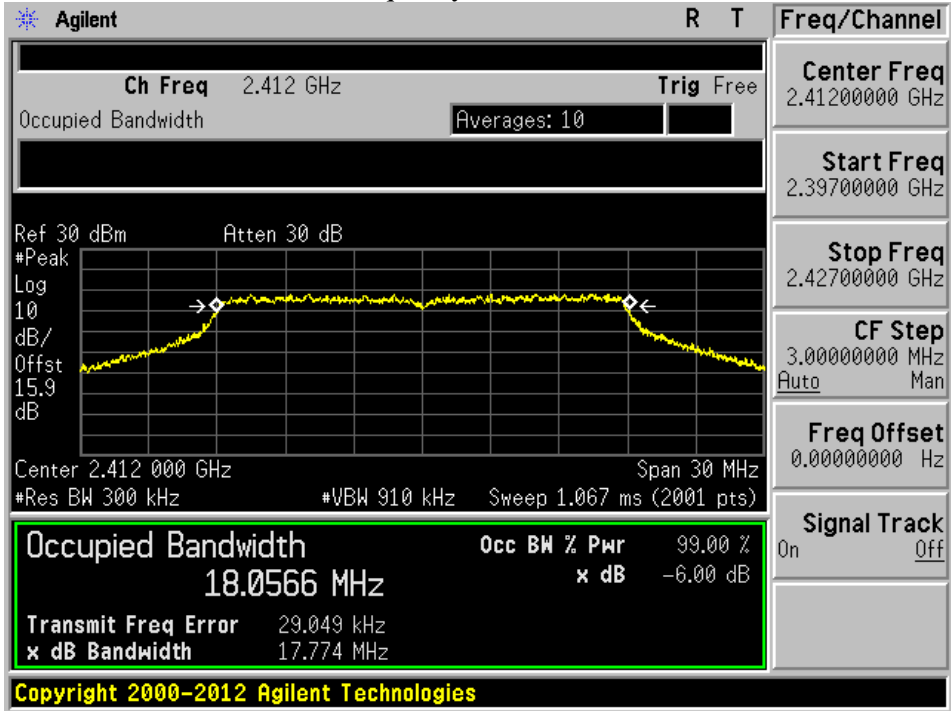
Frequency H – Chain 1



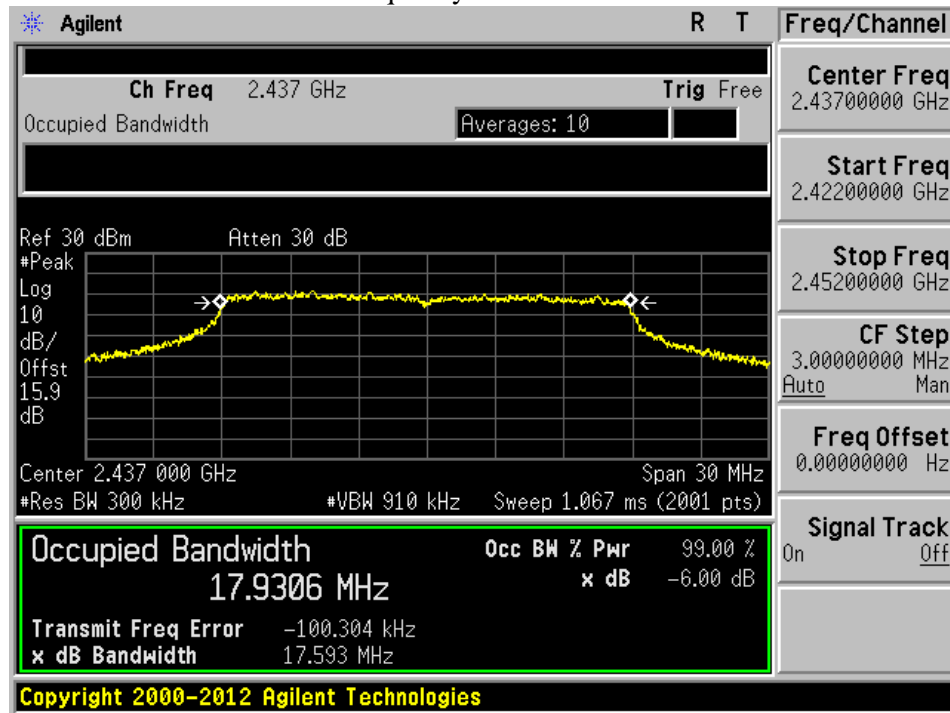


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n20 – chain 0	L	18.0566	≥0.5
	M	17.9306	
	H	17.8554	

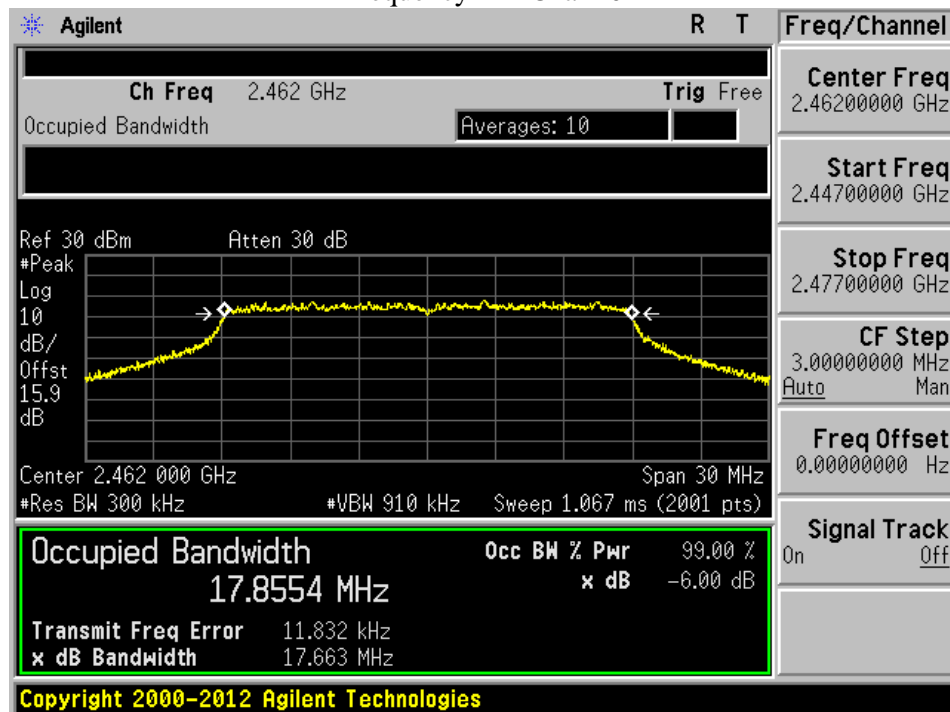
Frequency L – Chain 0



Frequency M – Chain 0



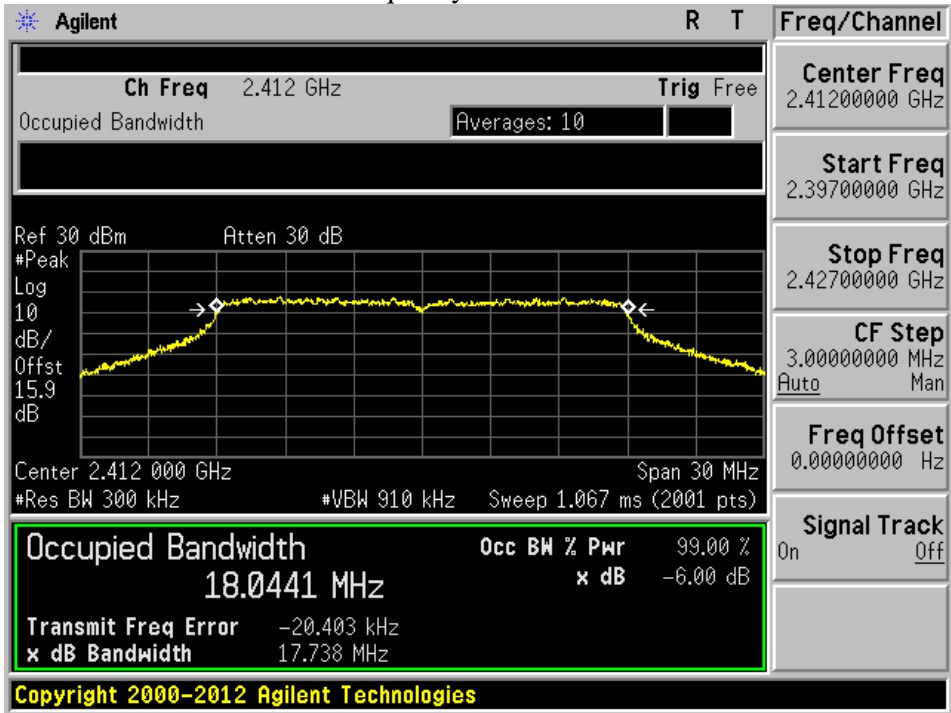
Frequency H – Chain 0



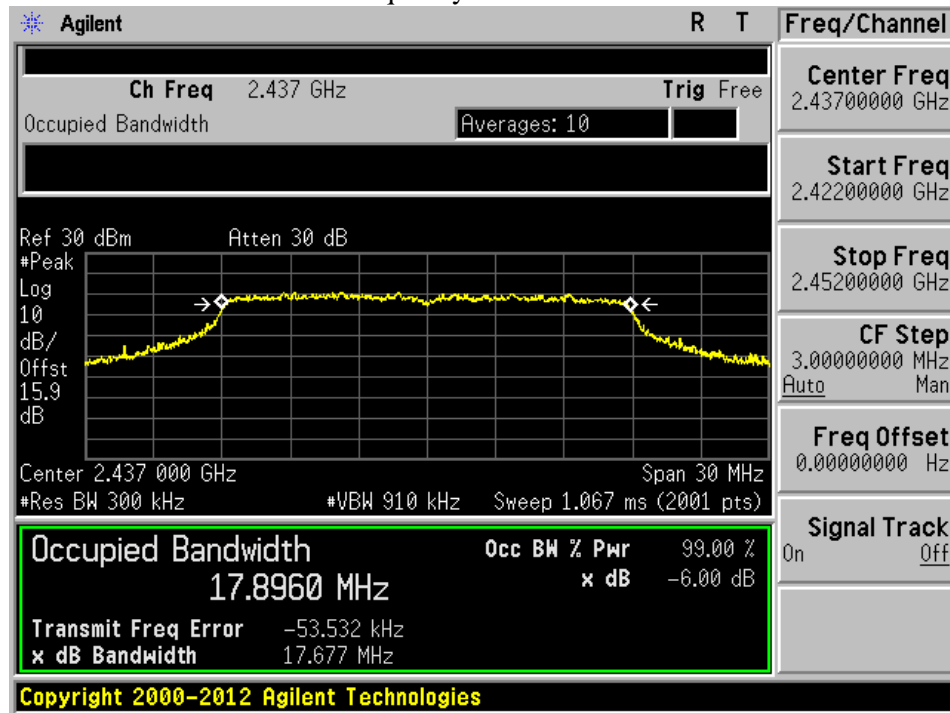


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n20 – chain 1	L	18.0441	≥0.5
	M	17.8960	
	H	17.9480	

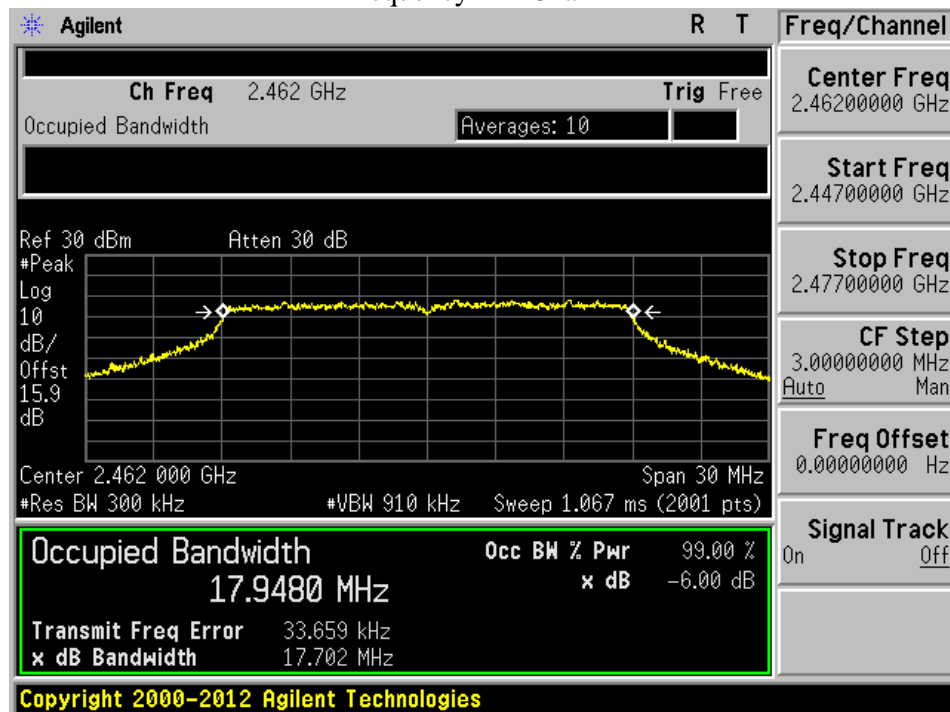
Frequency L – Chain 1



Frequency M – Chain 1



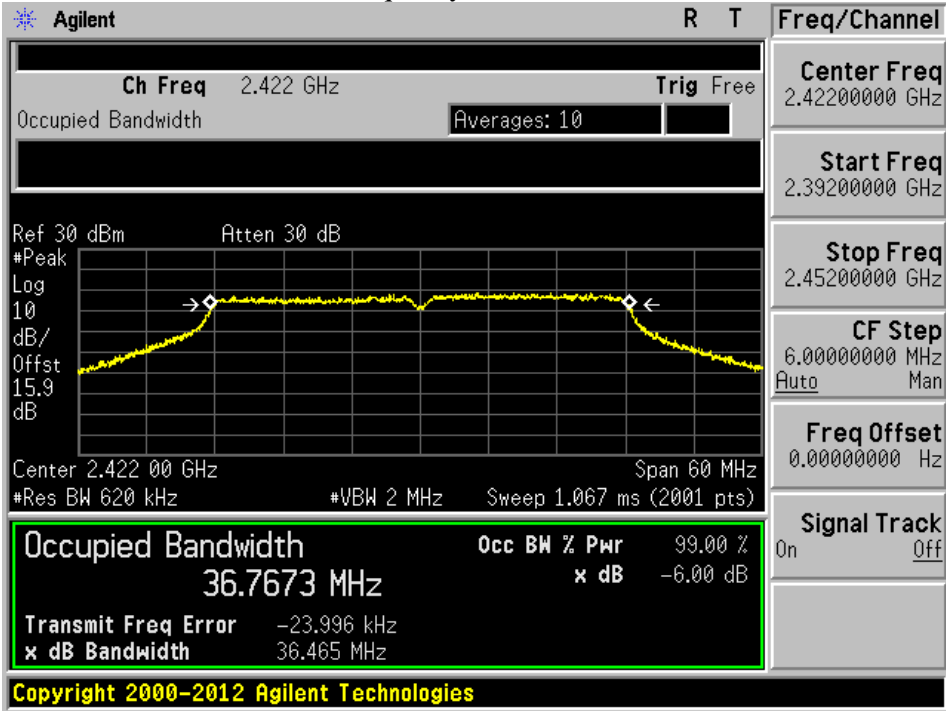
Frequency H – Chain 1



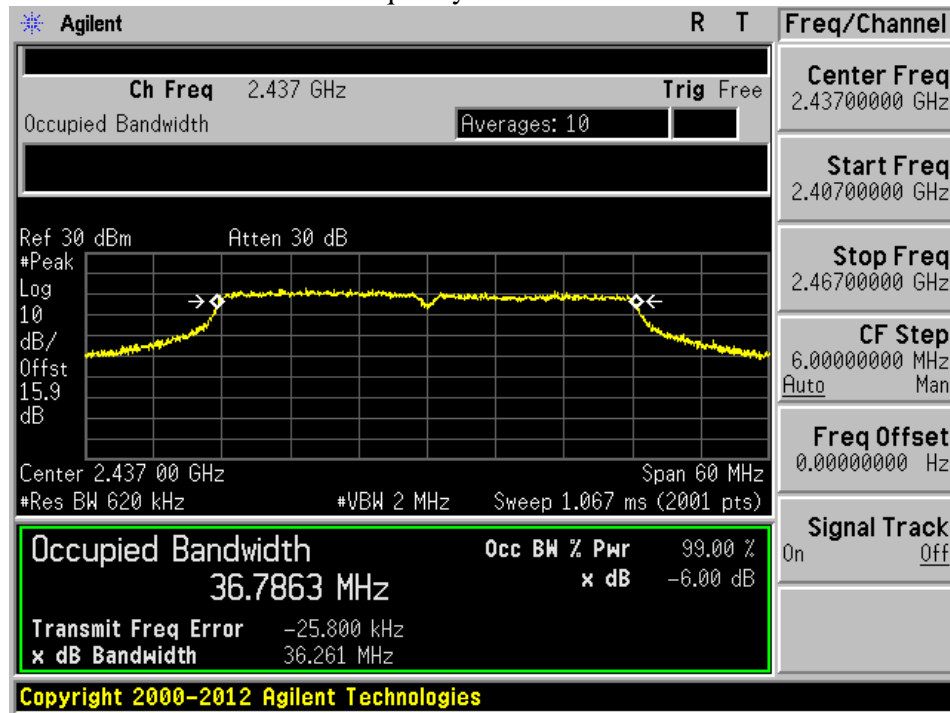


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n40 – chain 0	L	36.7673	≥0.5
	M	36.7863	
	H	37.1195	

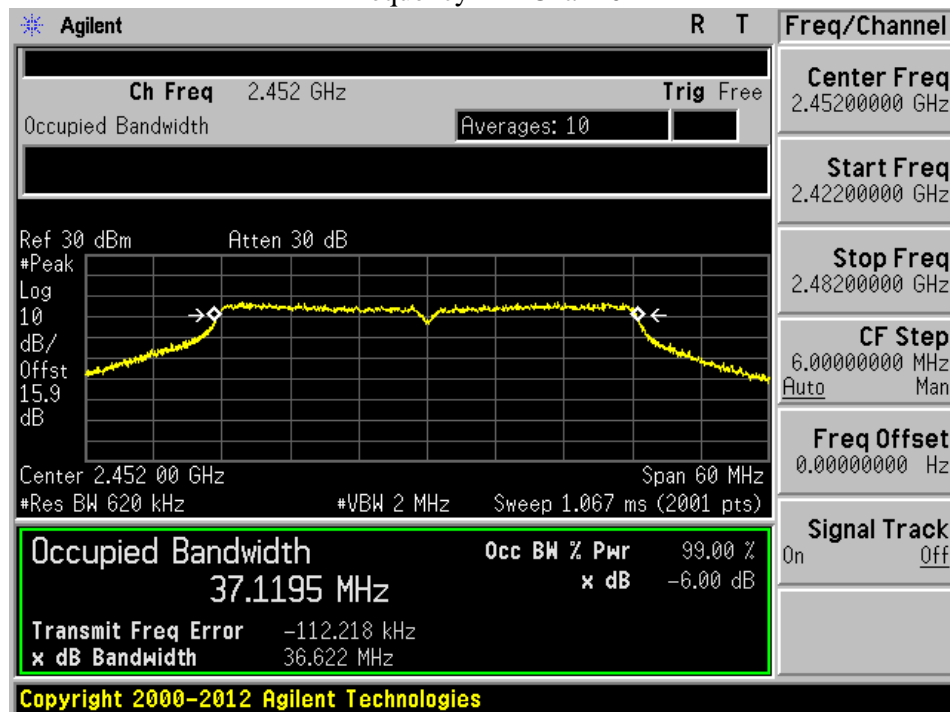
Frequency L – Chain 0



Frequency M – Chain 0



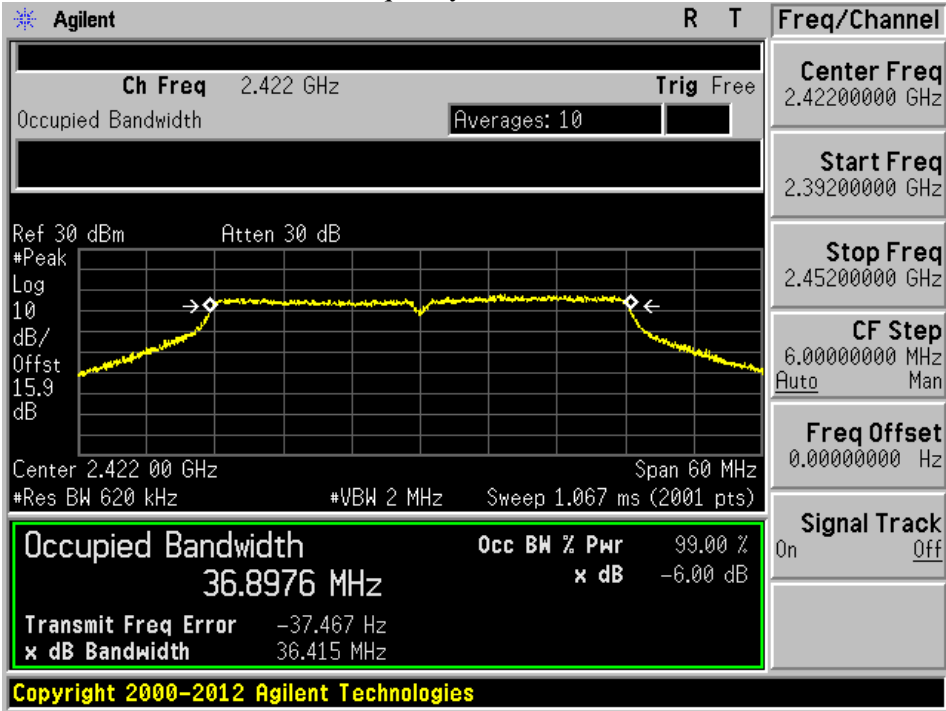
Frequency H – Chain 0



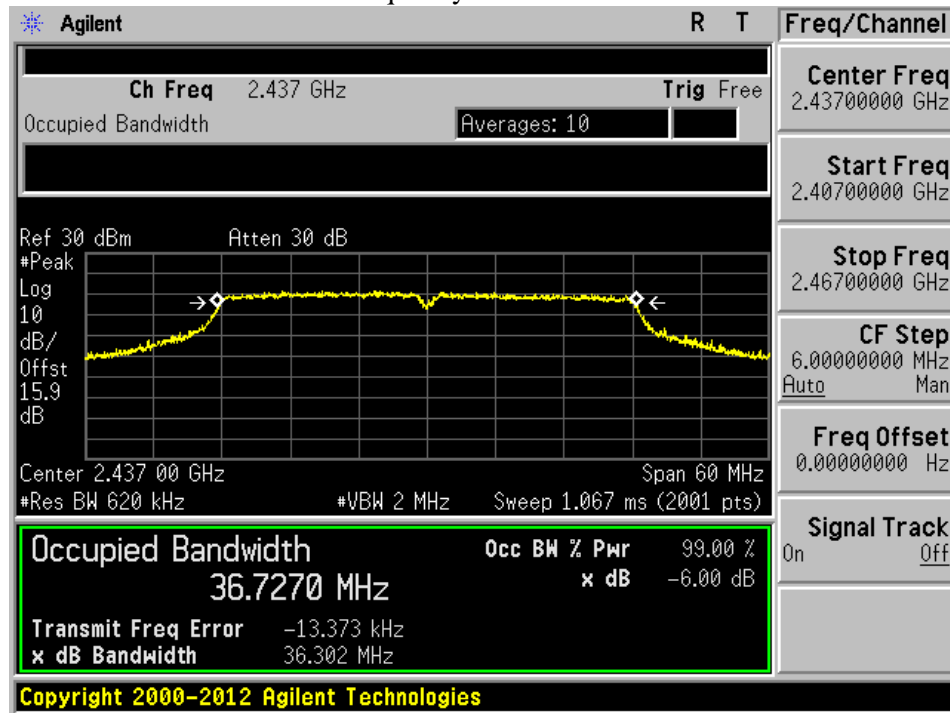


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n40 – chain 1	L	36.8976	≥0.5
	M	36.7270	
	H	37.1913	

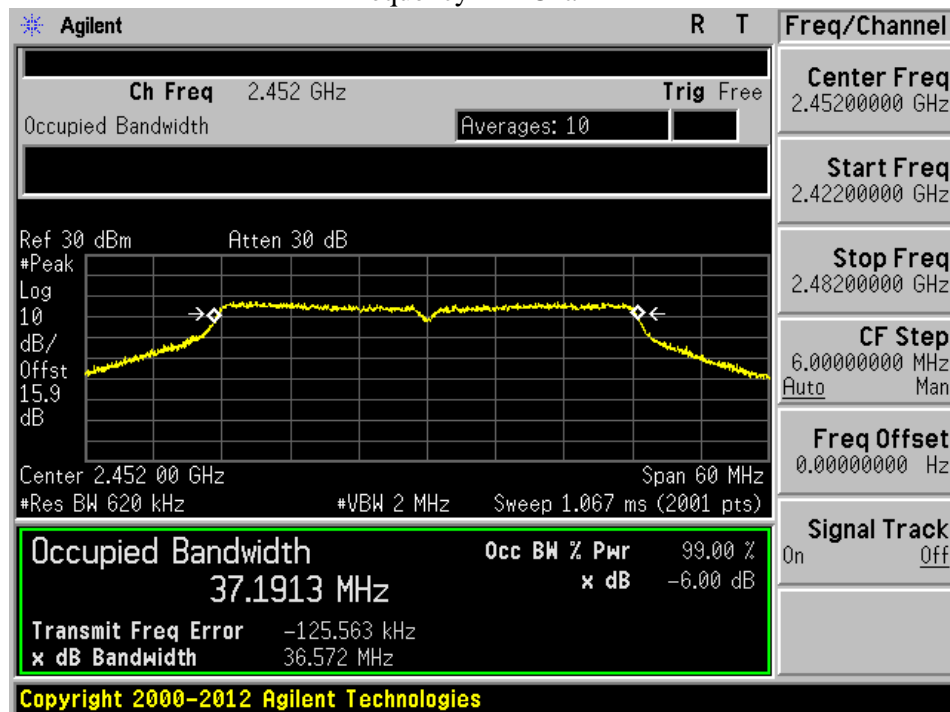
Frequency L – Chain 1



Frequency M – Chain 1



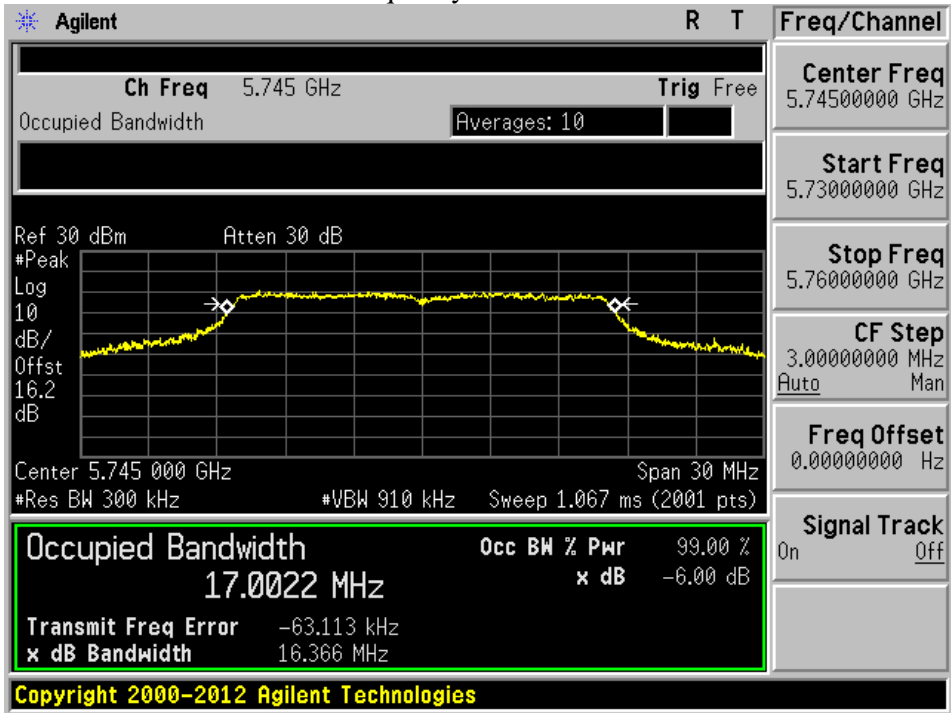
Frequency H – Chain 1



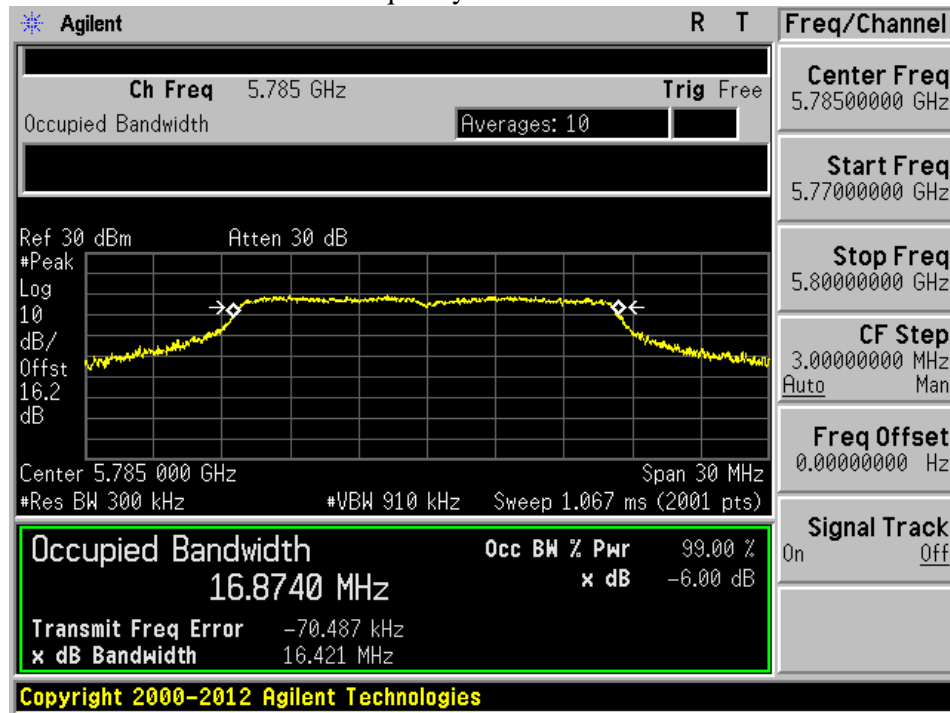


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11a – chain 0	L	17.0022	≥0.5
	M	16.8740	
	H	16.8328	

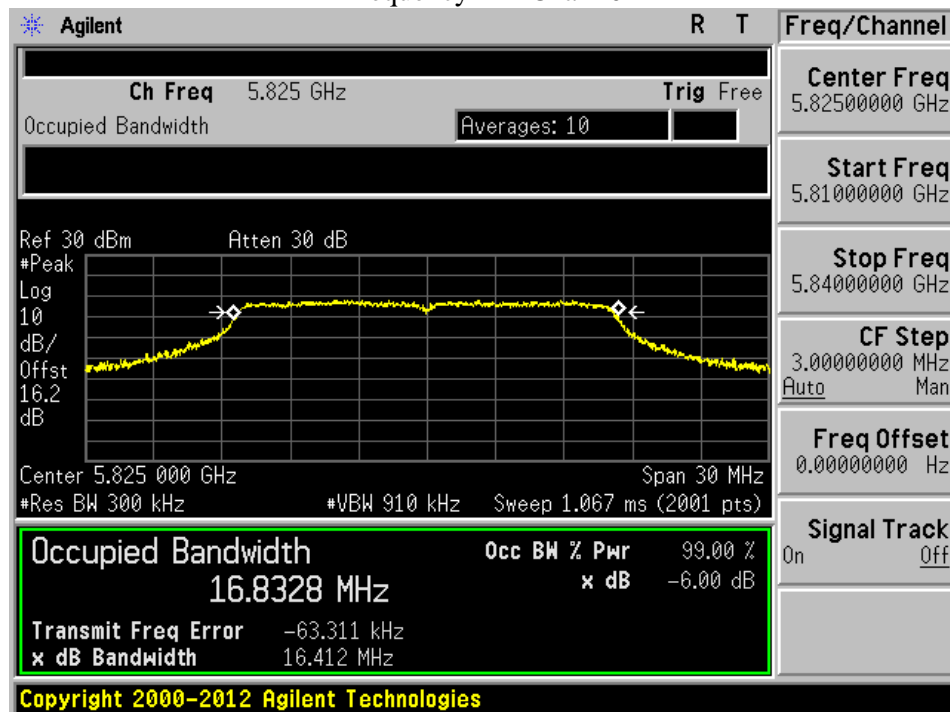
Frequency L – Chain 0



Frequency M – Chain 0



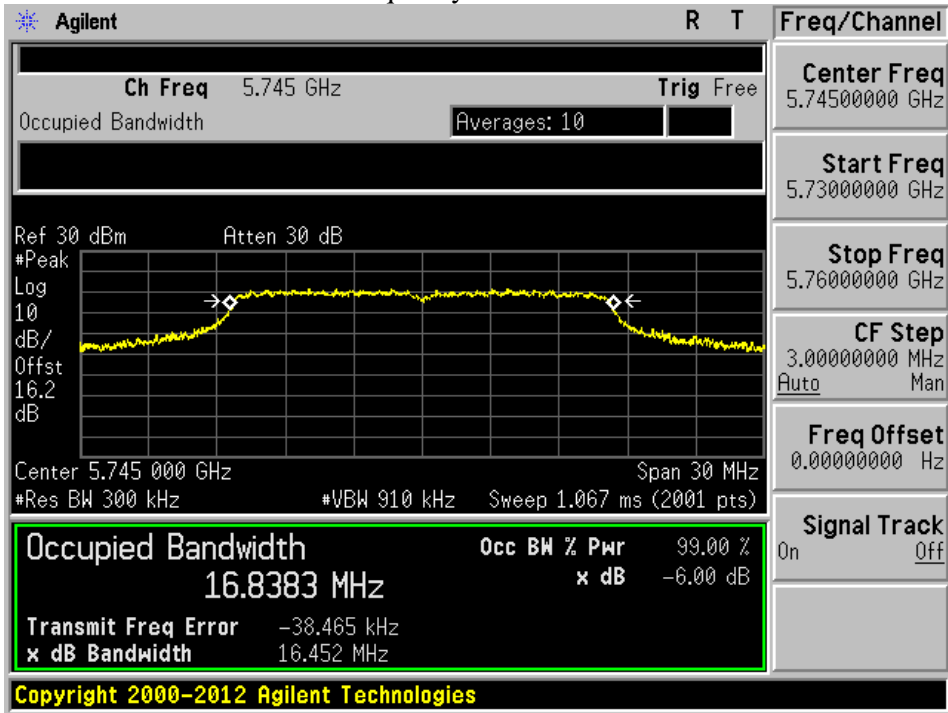
Frequency H – Chain 0



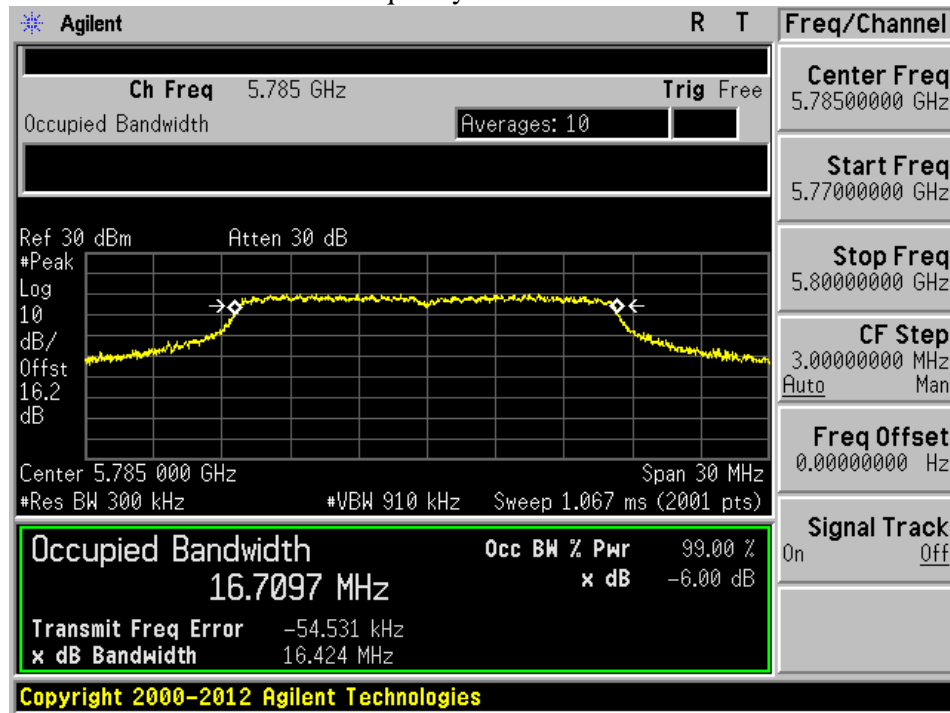


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11a – chain 1	L	16.8383	≥0.5
	M	16.7097	
	H	16.7090	

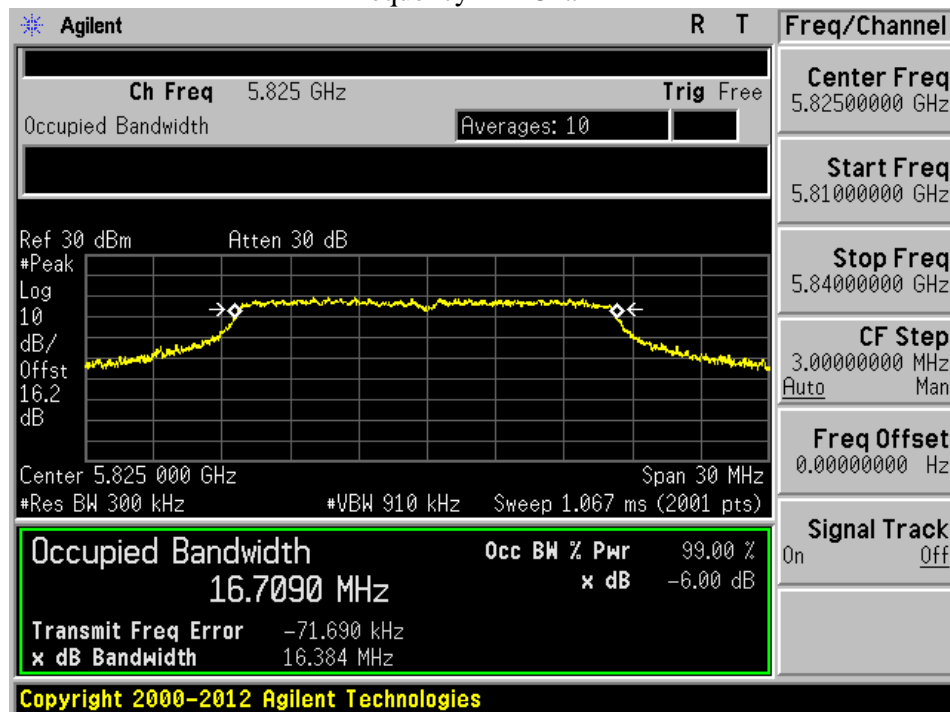
Frequency L – Chain 1



Frequency M – Chain 1



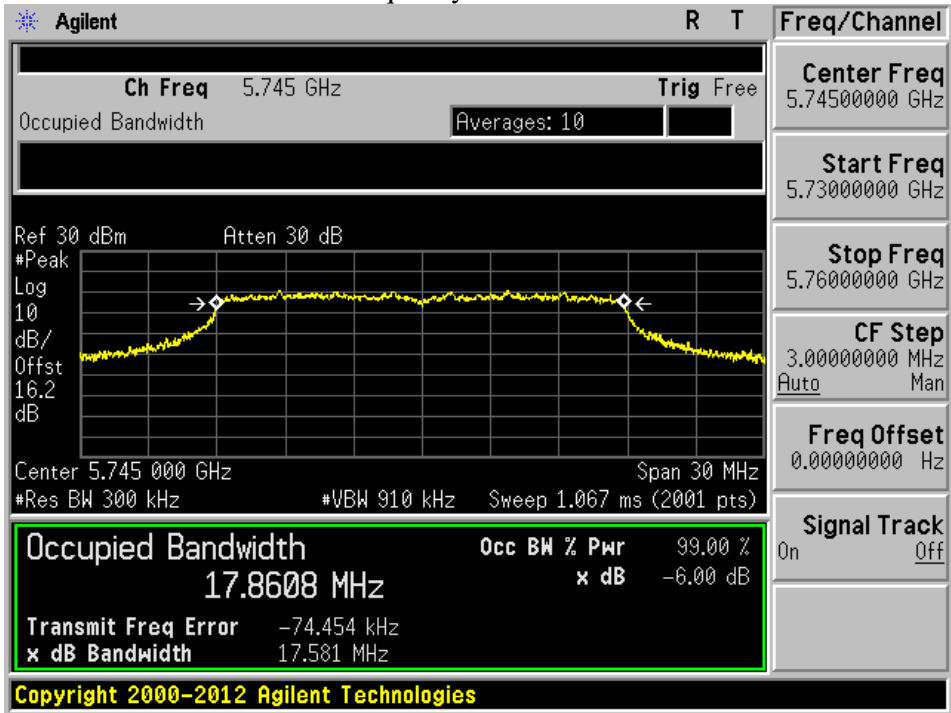
Frequency H – Chain 1



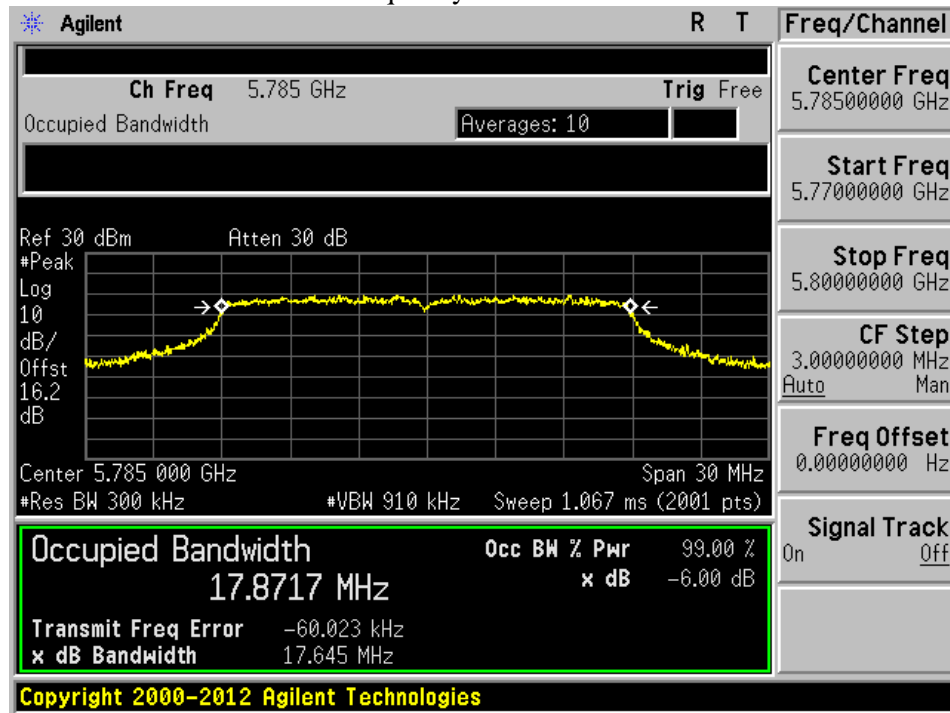


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n20 – chain 0	L	17.8608	≥0.5
	M	17.8717	
	H	17.8468	

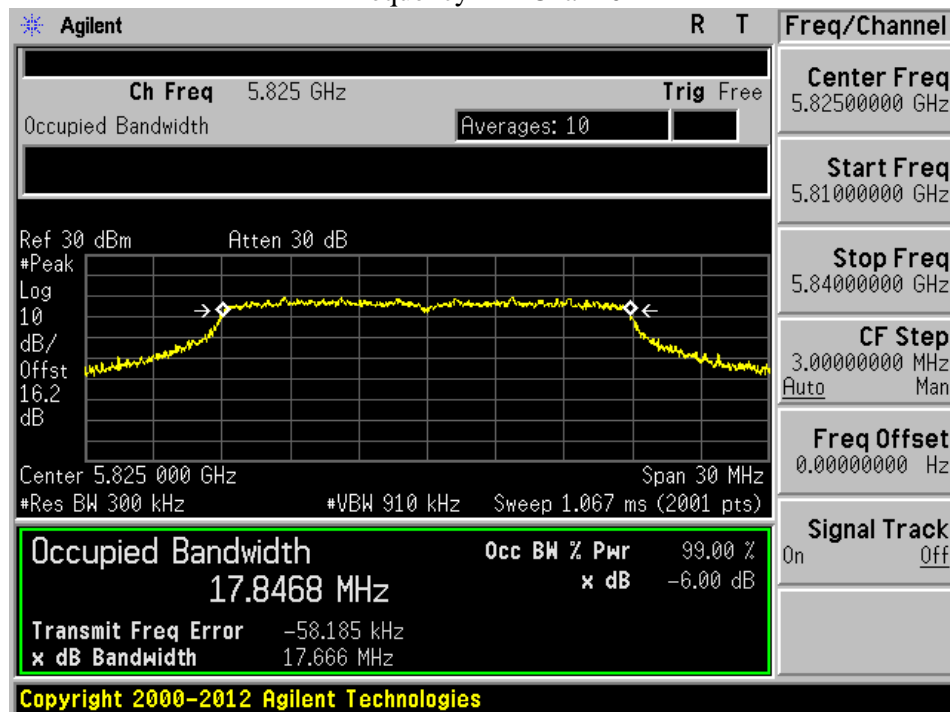
Frequency L – Chain 0



Frequency M – Chain 0



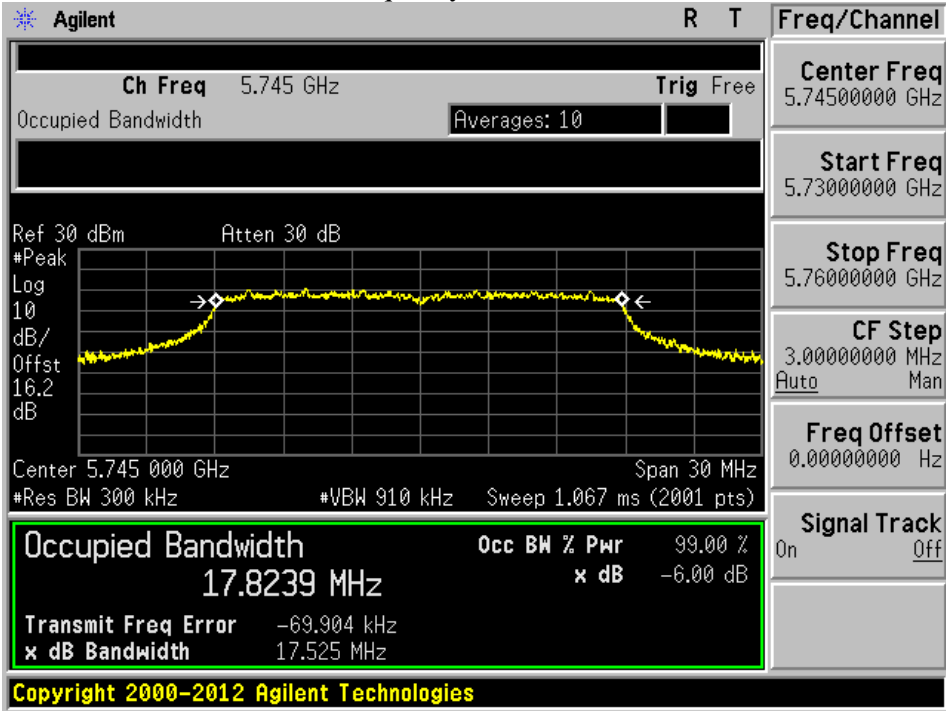
Frequency H – Chain 0



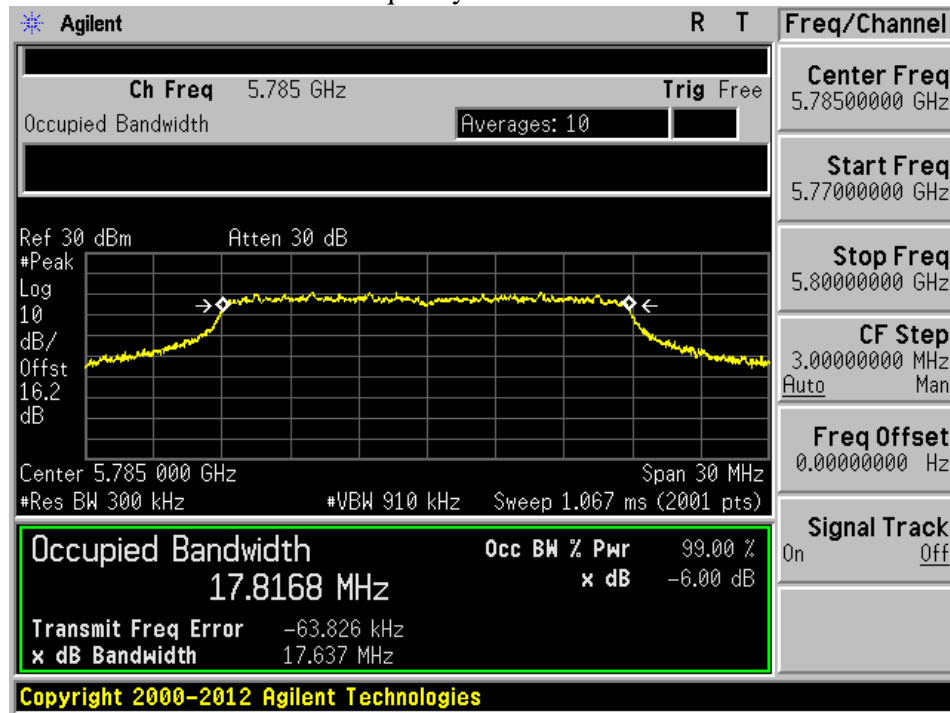


Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n20 – chain 1	L	17.8239	≥0.5
	M	17.8168	
	H	17.8241	

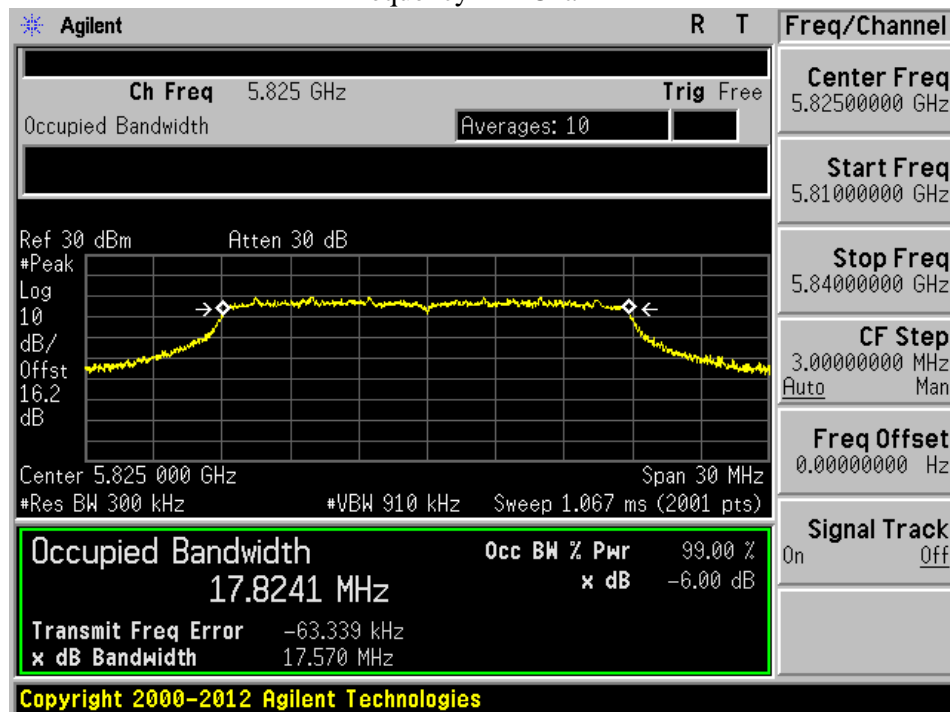
Frequency L – Chain 1



Frequency M – Chain 1



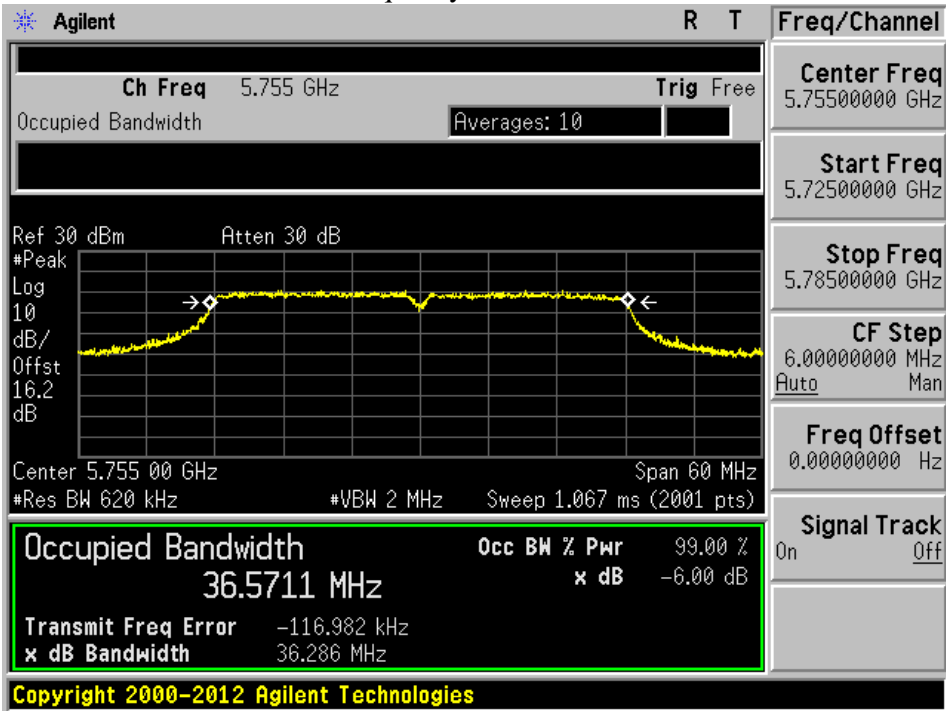
Frequency H – Chain 1





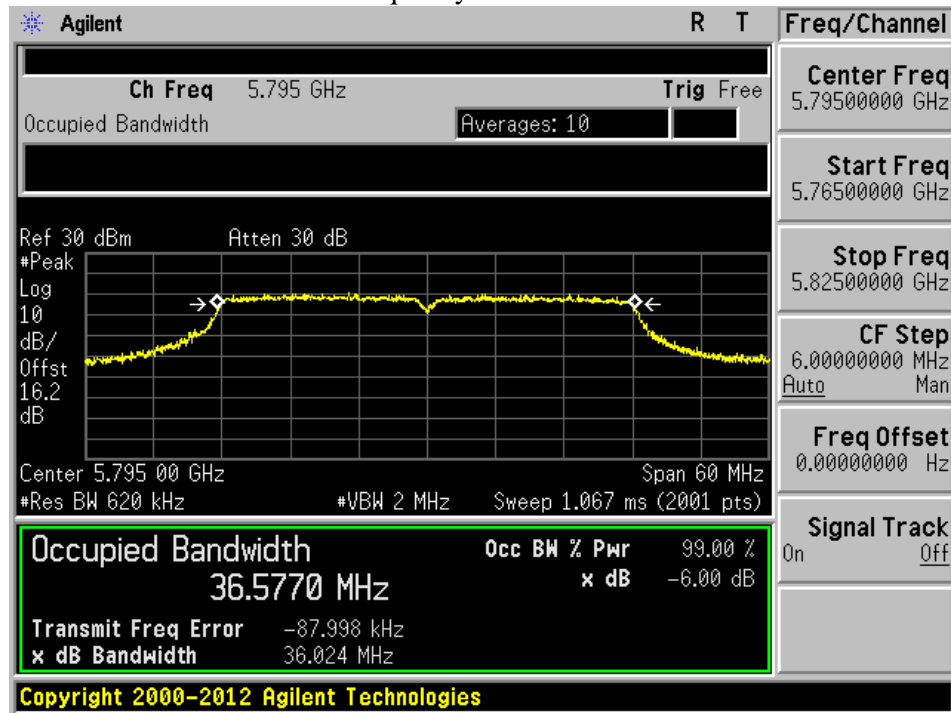
Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n40 – chain 0	L	36.5711	≥0.5
	H	36.5770	

Frequency L – Chain 0



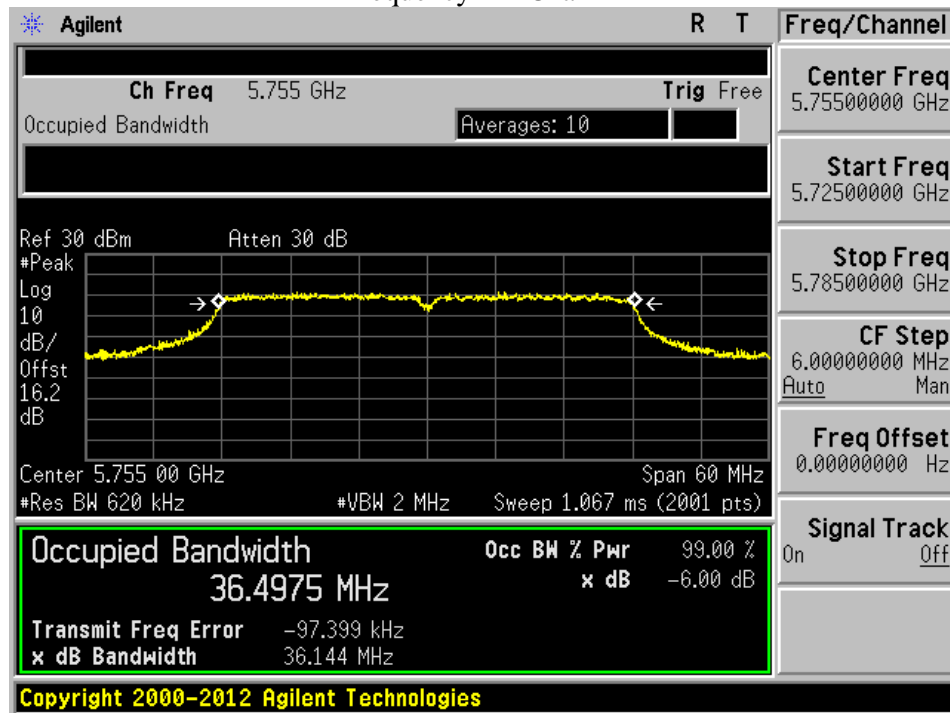


Frequency H – Chain 0



Mode	CH	Bandwidth (MHz)	Limit (MHz)
802.11n40 – chain 1	L	36.4975	≥0.5
	H	36.4294	

Frequency L – Chain 1





Frequency H – Chain 1

