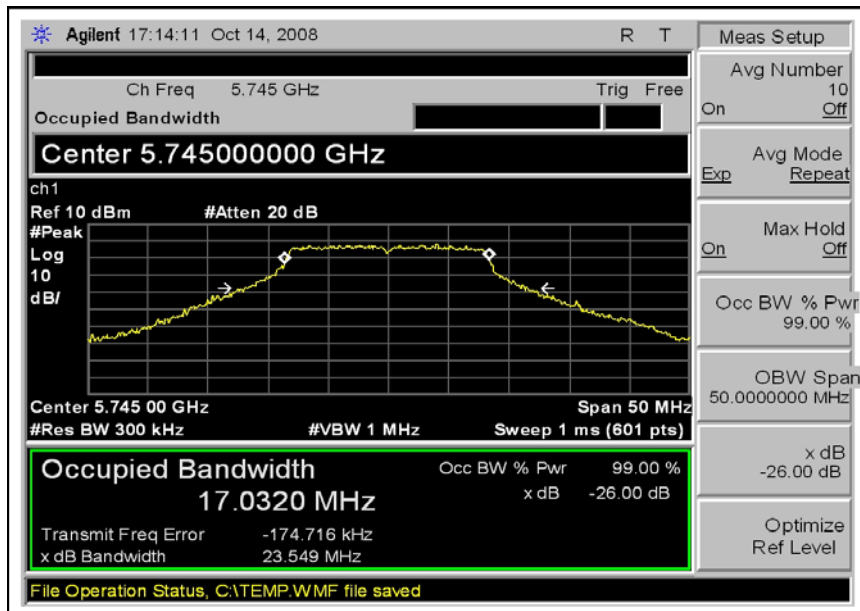
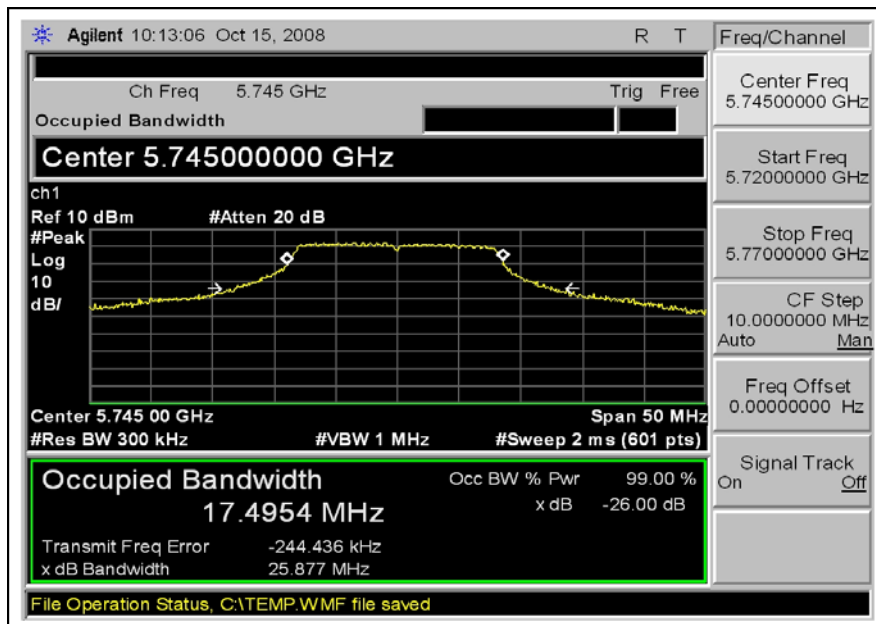


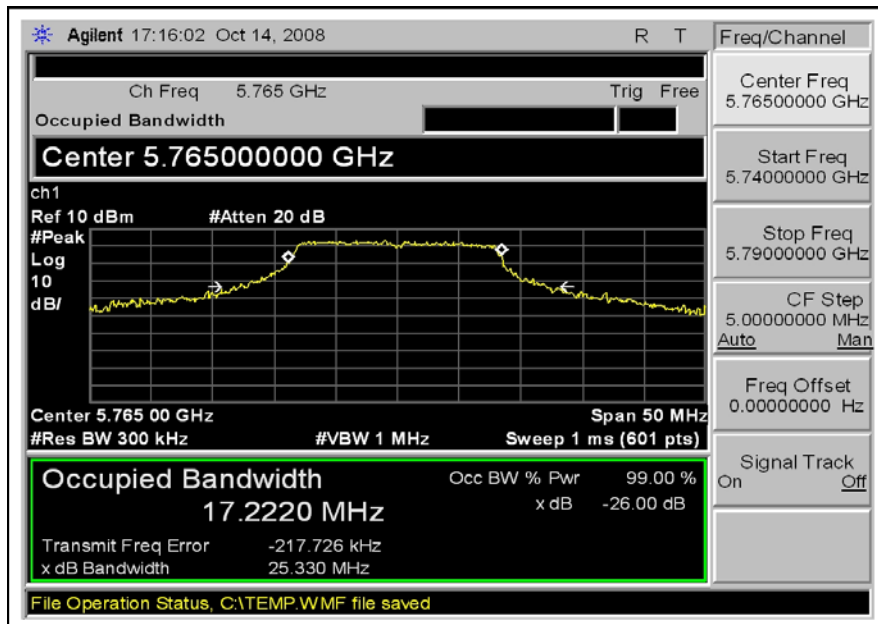
FCC 15.407 26 dB BANDWIDTH 802.11a CHANNEL 149 ANTENNA A



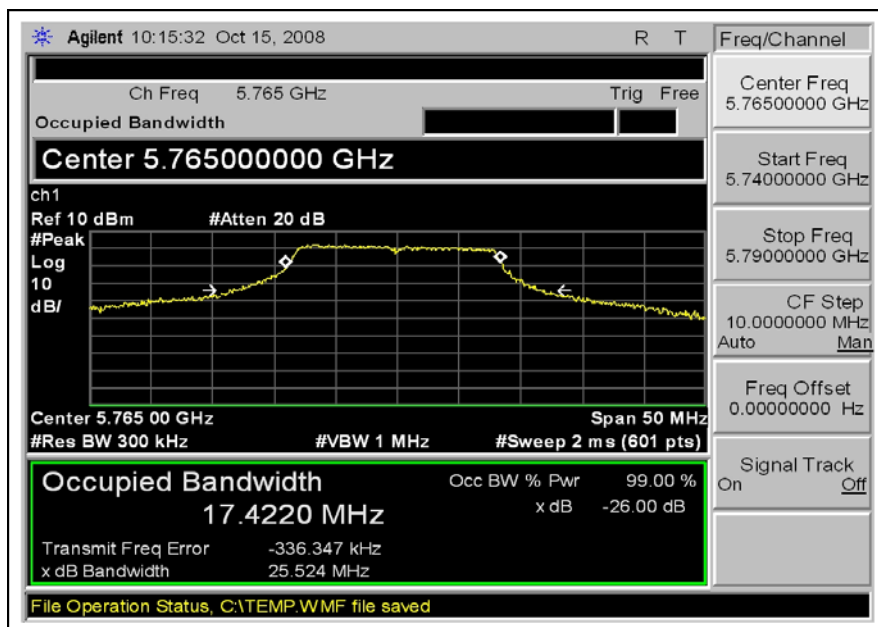
FCC 15.407 26 dB BANDWIDTH 802.11a CHANNEL 149 ANTENNA B



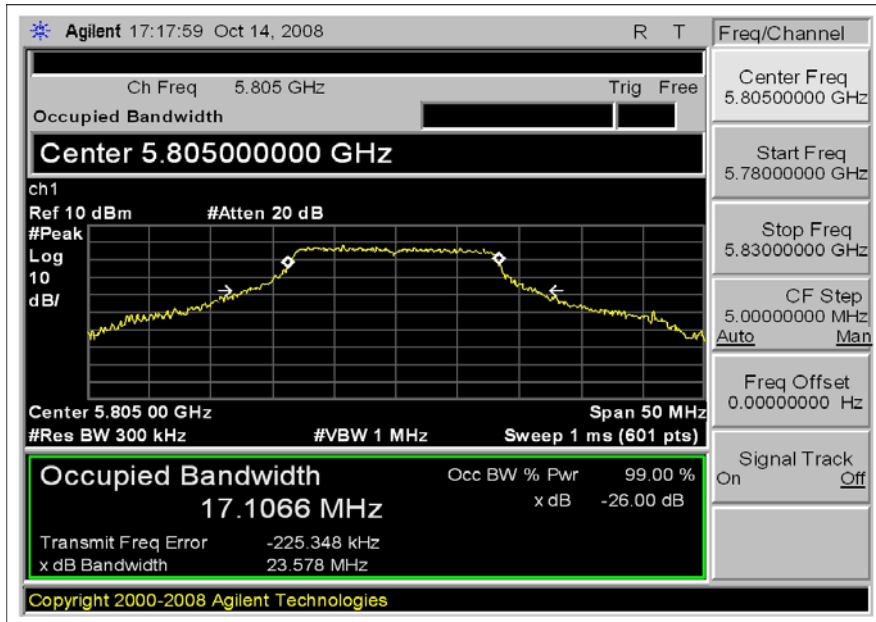
FCC 15.407 26 dB BANDWIDTH 802.11a CHANNEL 153 ANTENNA A



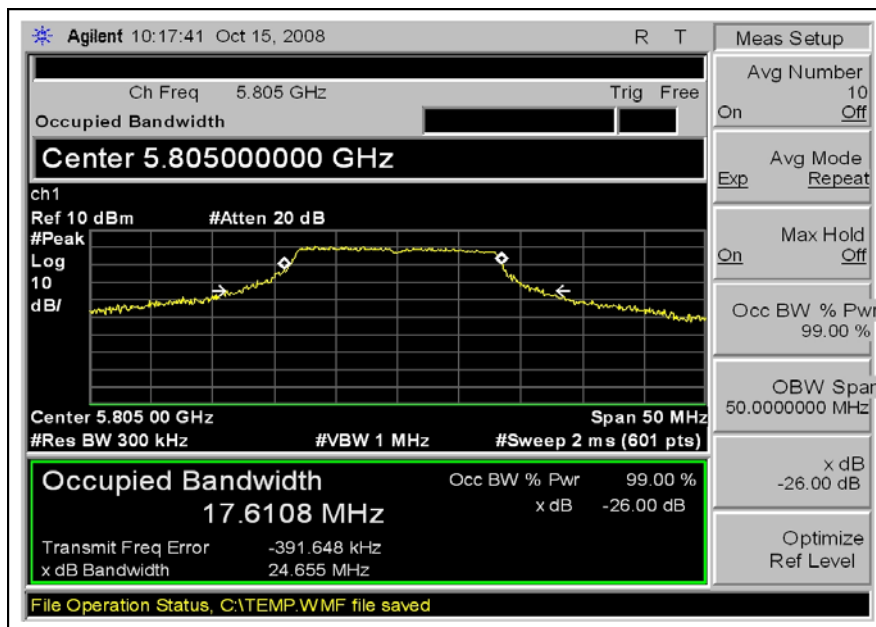
FCC 15.407 26 dB BANDWIDTH 802.11a CHANNEL 153 ANTENNA B



FCC 15.407 26 dB BANDWIDTH 802.11a CHANNEL 161 ANTENNA A



FCC 15.407 26 dB BANDWIDTH 802.11a CHANNEL 161 ANTENNA B



FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY

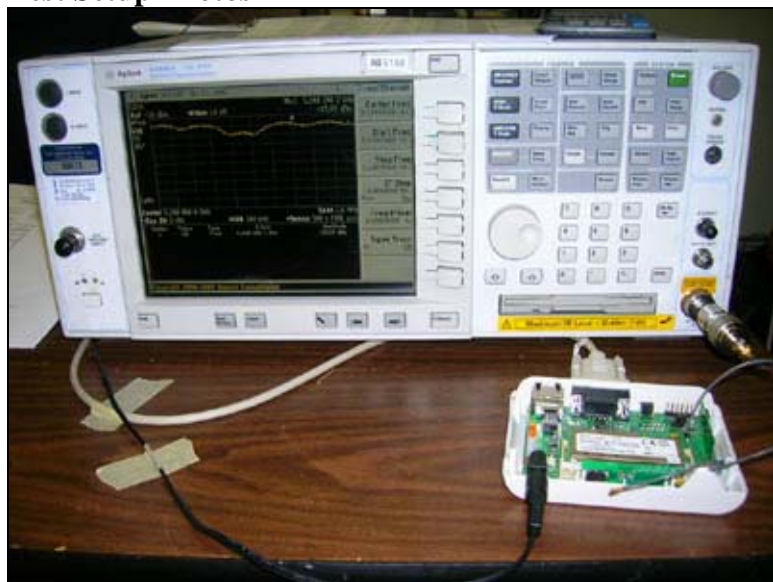
Test Equipment

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672

Test Conditions

Unit is located next to the spectrum analyzer . The laptop is connected to the unit via RS232 cable. The laptop is used only to change the Channel settings. The spectrum analyzer is directly connected to the antenna port of the transmitter.

Test Setup Photos



FCC 15.407(a)(5)

Power Spectral Density (Antenna A)

IEEE 802.11a: 54Mbps

Channel	Frequency MHz	Reading dBm	Limit dBm
Low 36	5180	-6.305	4
Mid 40	5200	-2.133	4
High 48	5240	-6.127	4

FCC 15.407(a)(5)

Power Spectral Density (Antenna A)

IEEE 802.11a: 54Mbps

Channel	Frequency MHz	Reading dBm	Limit dBm
Low 149	5745	-6.750	17
Mid 153	5765	-6.802	17
High 161	5805	-7.887	17

FCC 15.407(a)(5)
Power Spectral Density (Antenna B)
IEEE 802.11a: 54Mbps

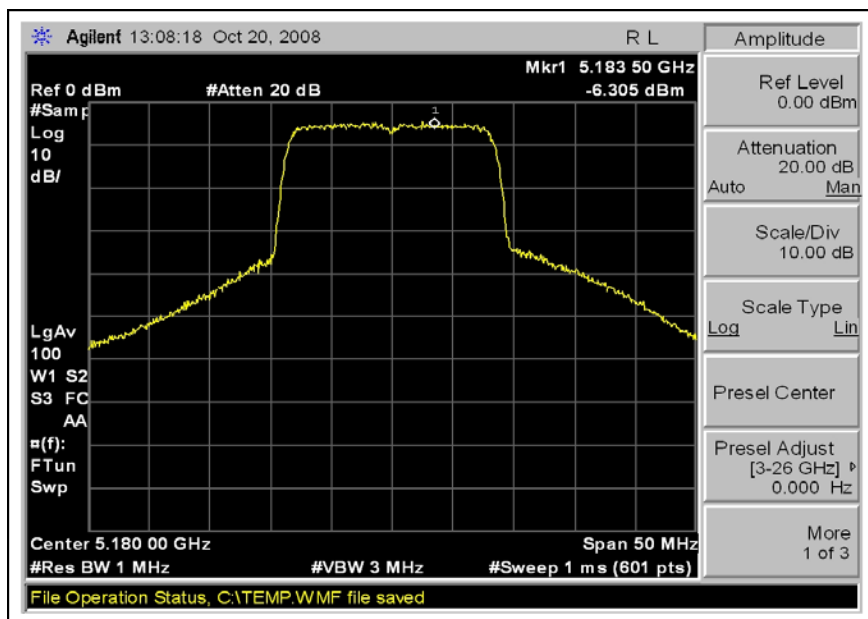
Channel	Frequency MHz	Reading dBm	Limit dBm
Low 36	5180	-3.157	4
Mid 40	5200	-5.954	4
High 48	5240	-6.399	4

FCC 15.407(a)(5)
Power Spectral Density (Antenna B)
IEEE 802.11a: 54Mbps

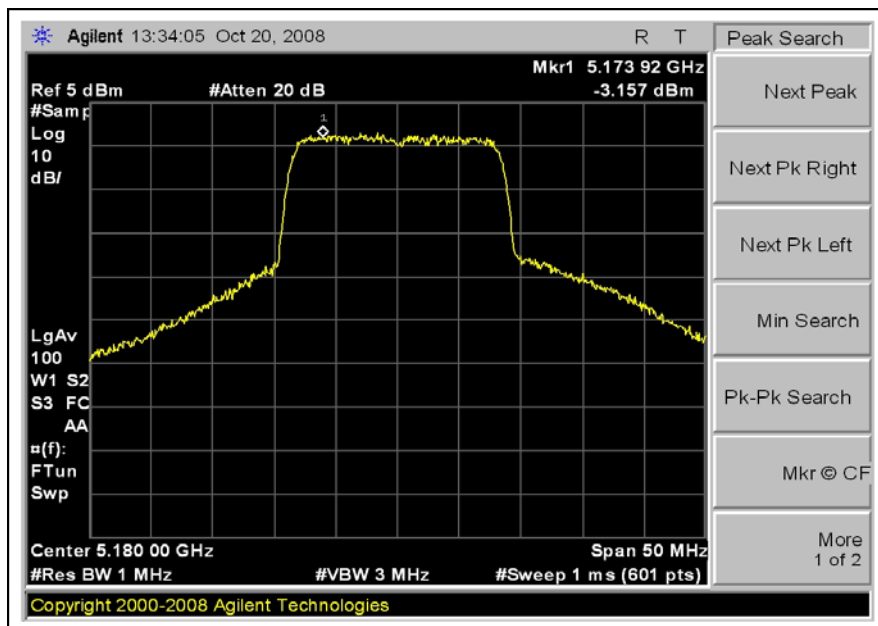
Channel	Frequency MHz	Reading dBm	Limit dBm
Low 149	5745	-6.107	17
Mid 153	5765	-5.815	17
High 161	5805	-7.059	17

Test Plots

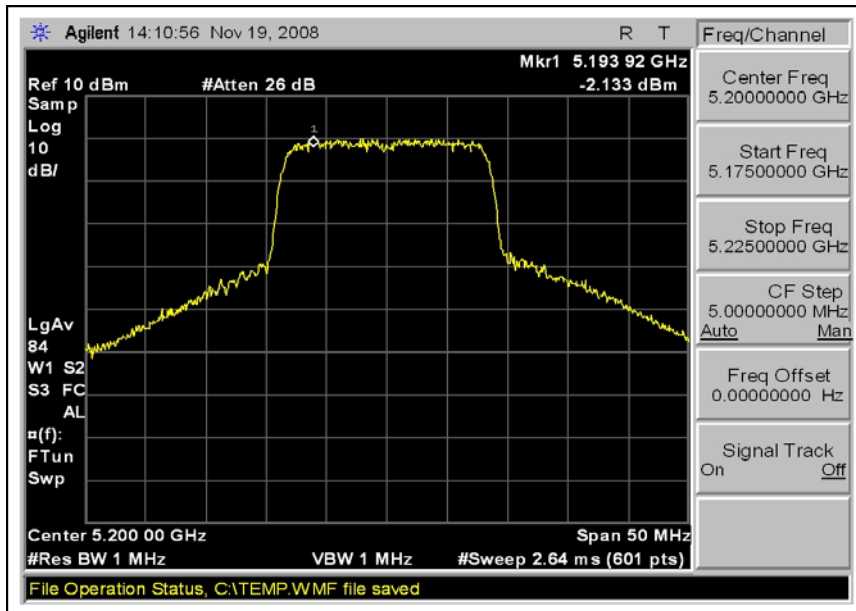
FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a CHANNEL 36 ANTENNA A



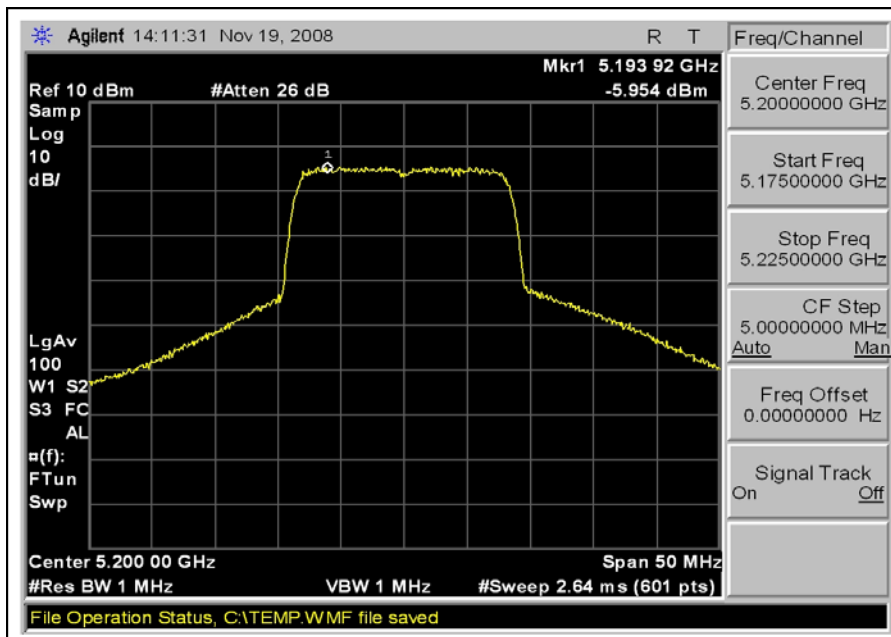
FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a CHANNEL 36 ANTENNA B



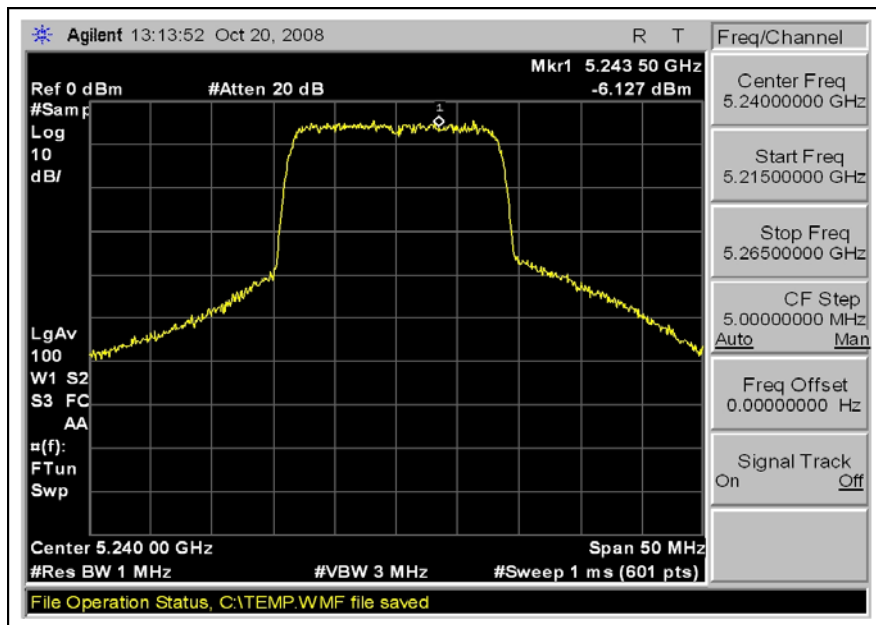
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 40 ANTENNA A**



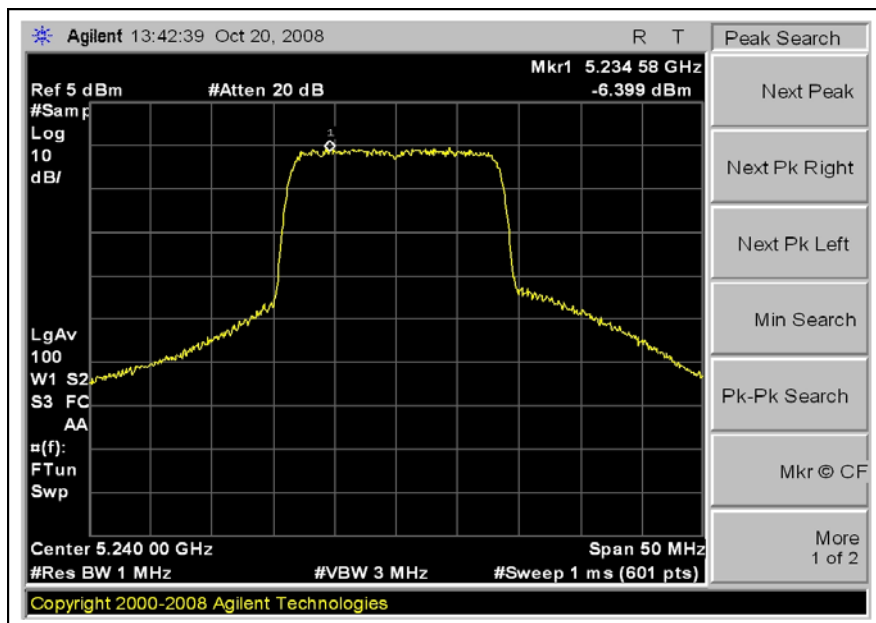
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 40 ANTENNA B**



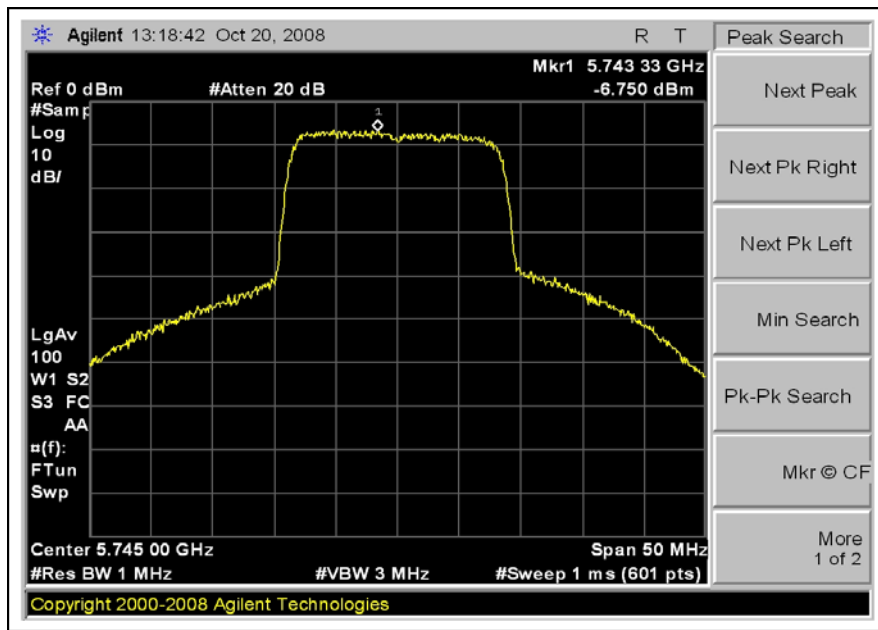
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 48 ANTENNA A**



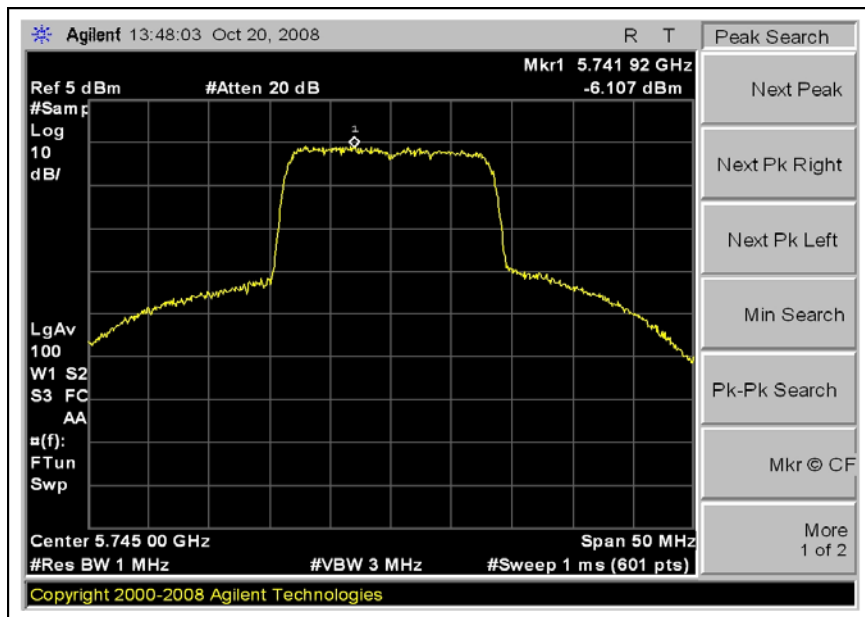
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 48 ANTENNA B**



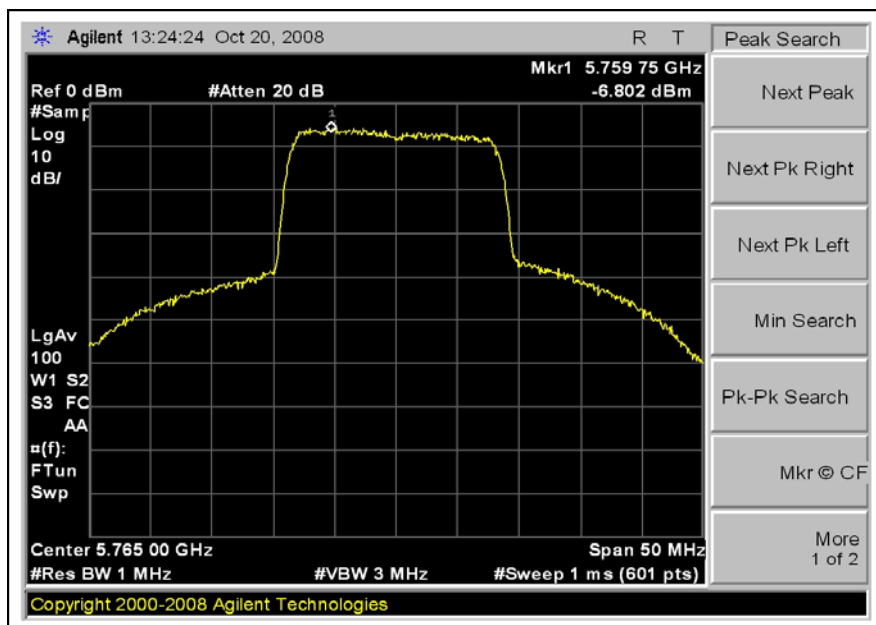
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 149 ANTENNA A**



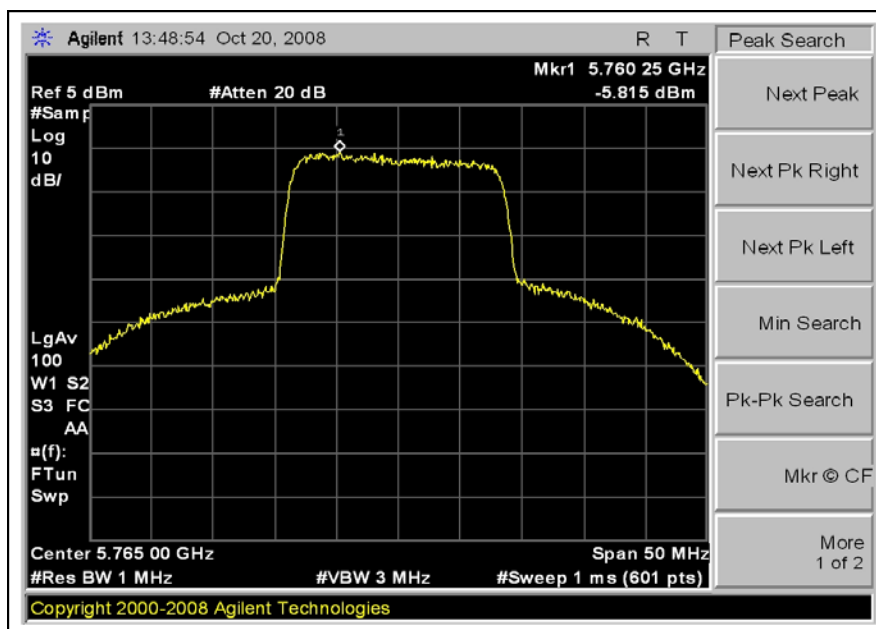
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 149 ANTENNA B**



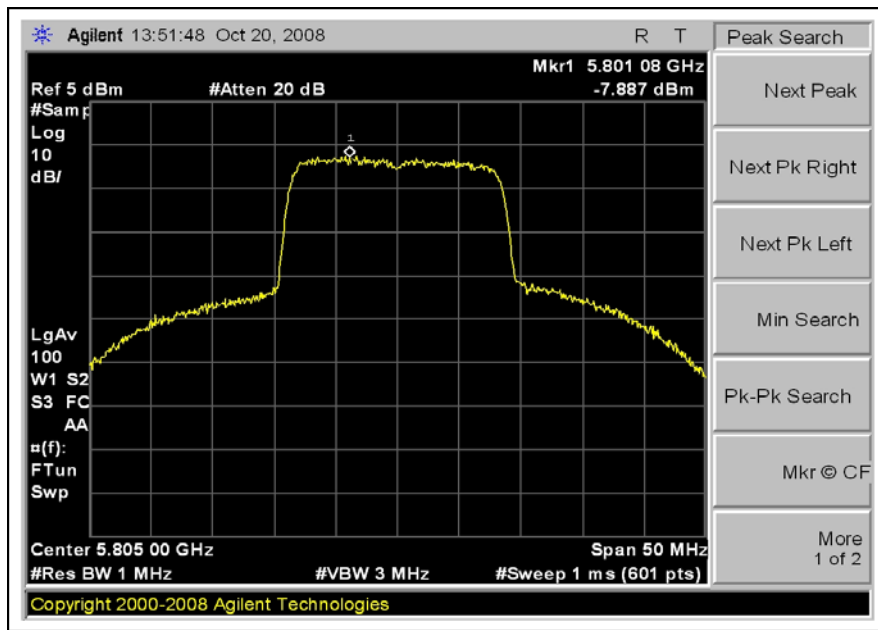
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 153 ANTENNA A**



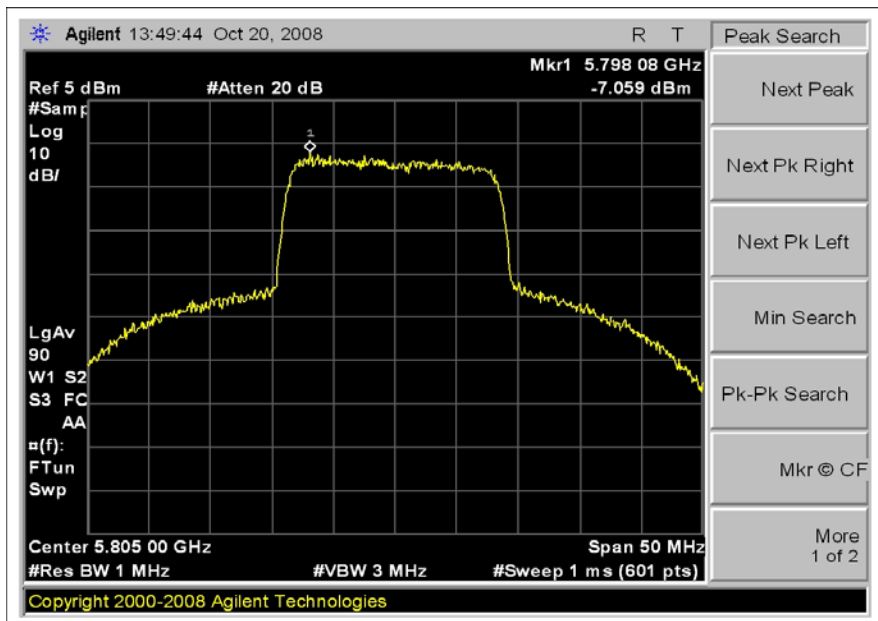
**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 153 ANTENNA B**



**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 161 ANTENNA A**



**FCC 15.407(a)(5) PEAK POWER SPECTRAL DENSITY 802.11a
CHANNEL 161 ANTENNA B**



FCC 15.407(a)(6) PEAK EXCURSION

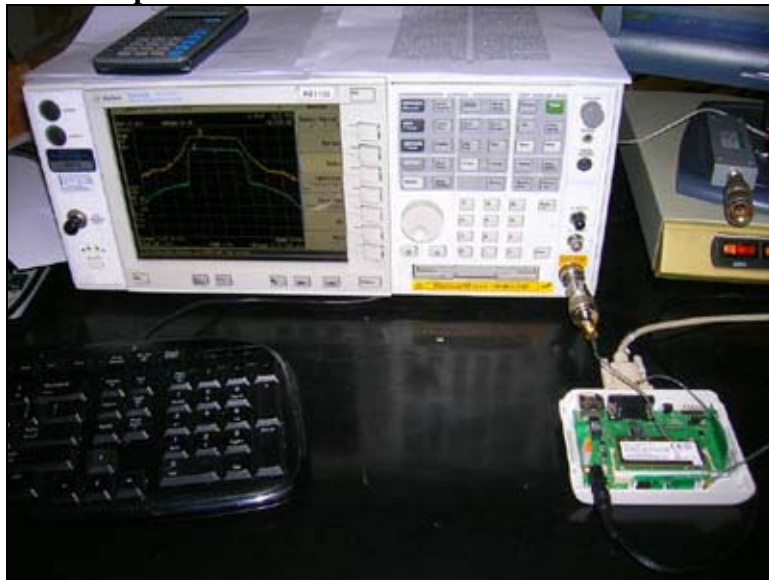
Test Equipment

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672

Test Conditions

Unit is located next to the spectrum analyzer . The laptop is connected to the unit via RS232 cable. The laptop is used only to change the Channel settings. The spectrum analyzer is directly connected to the antenna port of the transmitter.

Test Setup Photos



FCC 15.407(a)(6)

Peak Excursion of the modulation envelope (Antenna A)

IEEE 802.11a: 54Mbps

Channel	Frequency MHz	Reading dBm	Limit dBm
Low 36	5180	10.849	13
Mid 40	5200	10.282	13
High 48	5240	10.522	13

FCC 15.407(a)(6)

Peak Excursion of the modulation envelope (Antenna A)

IEEE 802.11a: 54Mbps

Channel	Frequency MHz	Reading dBm	Limit dBm
Low 149	5745	9.447	13
Mid 153	5765	10.030	13
High 161	5805	11.042	13

FCC 15.407(a)(6)
Peak Excursion of the modulation envelope (Antenna B)
IEEE 802.11a: 54Mbps

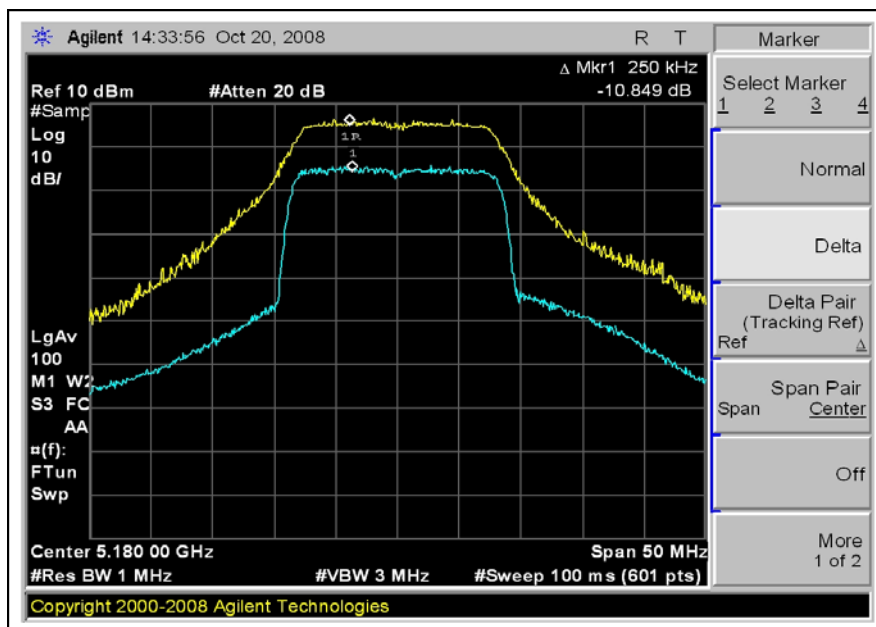
Channel	Frequency MHz	Reading dBm	Limit dBm
Low 36	5180	11.180	13
Mid 40	5200	12.462	13
High 48	5240	11.413	13

FCC 15.407(a)(6)
Peak Excursion of the modulation envelope (Antenna B)
IEEE 802.11a: 54Mbps

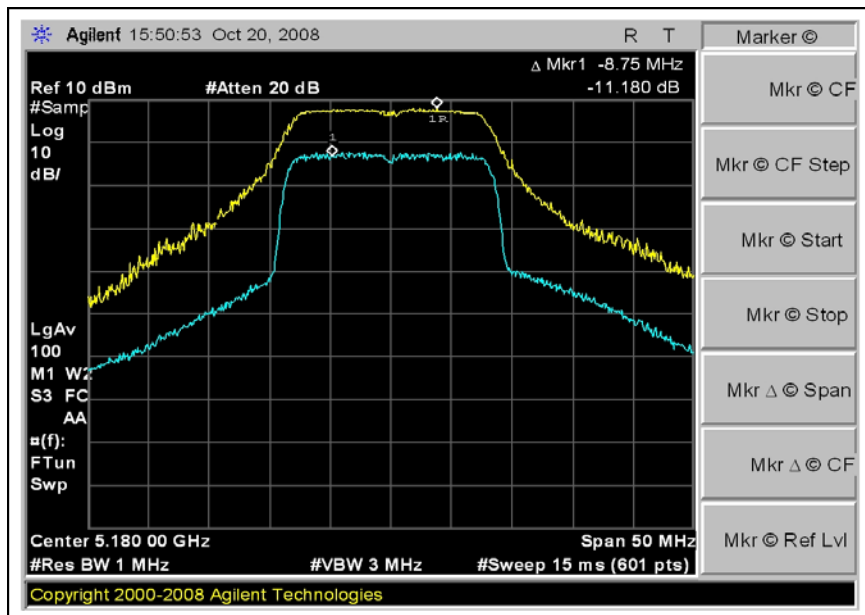
Channel	Frequency MHz	Reading dBm	Limit dBm
Low 149	5745	11.495	13
Mid 153	5765	11.780	13
High 161	5805	10.861	13

Test Plots

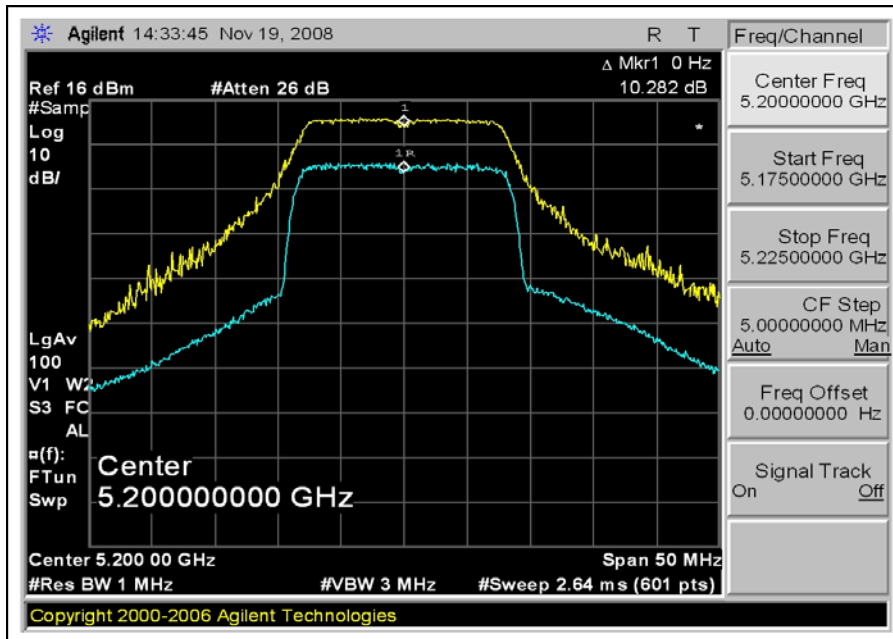
FCC 15.407(a)(6) PEAK EXCURSION 802.11a CHANNEL 36 ANTENNA A



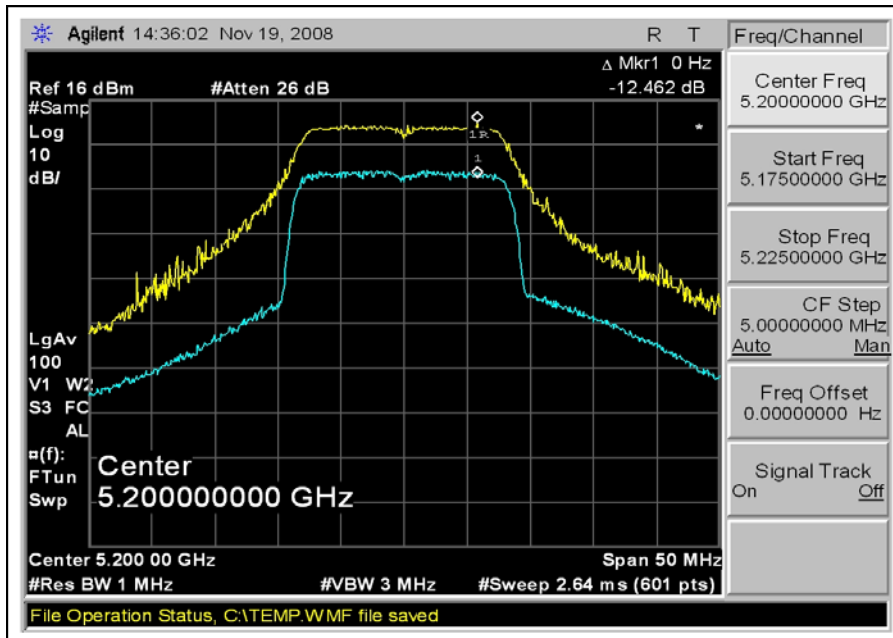
FCC 15.407(a)(6) PEAK EXCURSION 802.11a CHANNEL 36 ANTENNA B



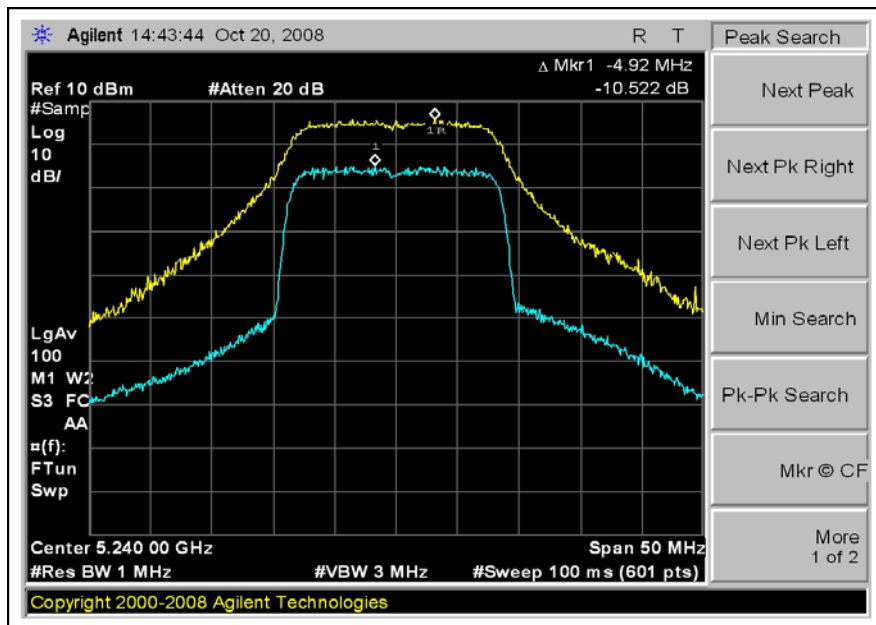
**FCC 15.407(a)(6) PEAK EXCURSION 802.11a
CHANNEL 40 ANTENNA A**



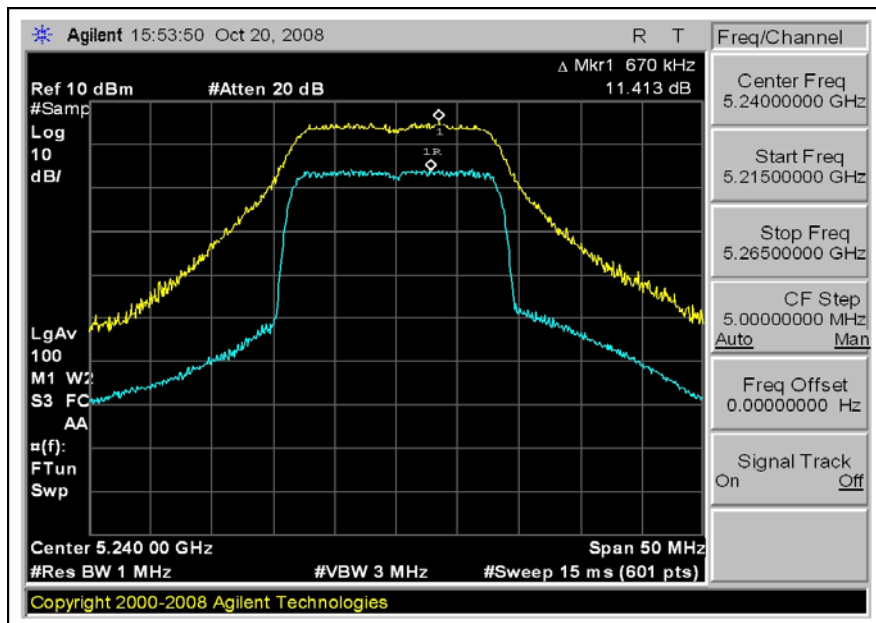
**FCC 15.407(a)(6) PEAK EXCURSION 802.11a
CHANNEL 40 ANTENNA B**



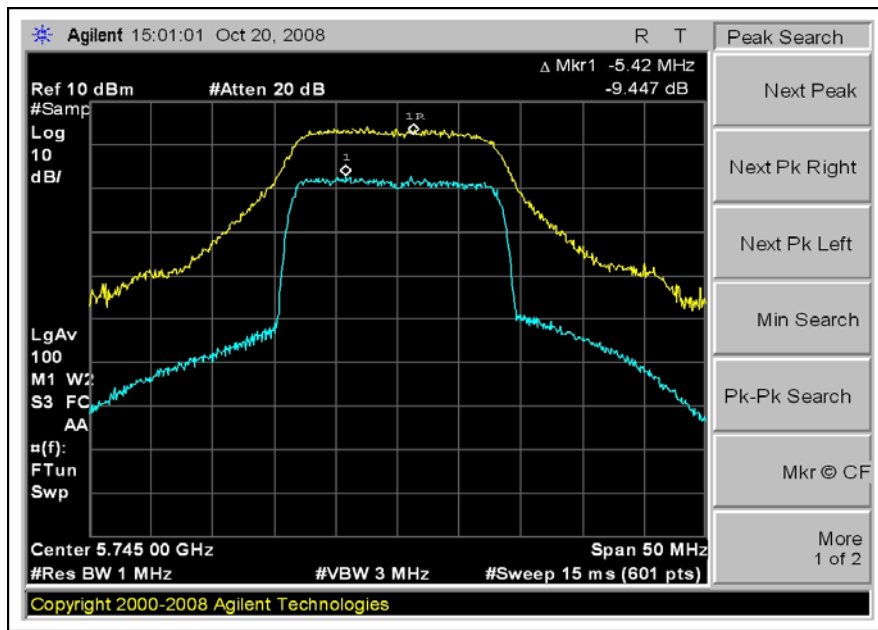
**FCC 15.407(a)(6) PEAK EXCURSION 802.11a
CHANNEL 48 ANTENNA A**



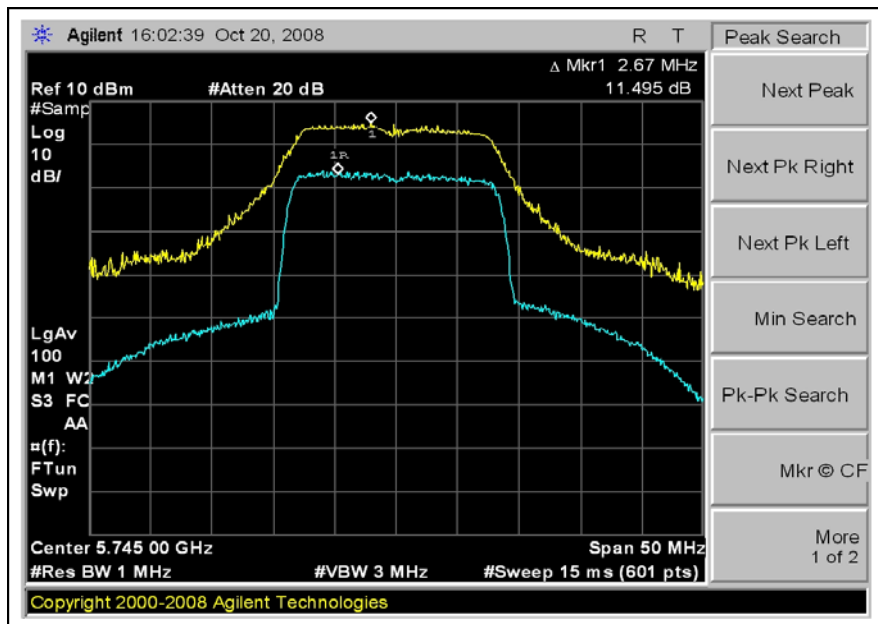
**FCC 15.407(a)(6) PEAK EXCURSION 802.11a
CHANNEL 48 ANTENNA B**



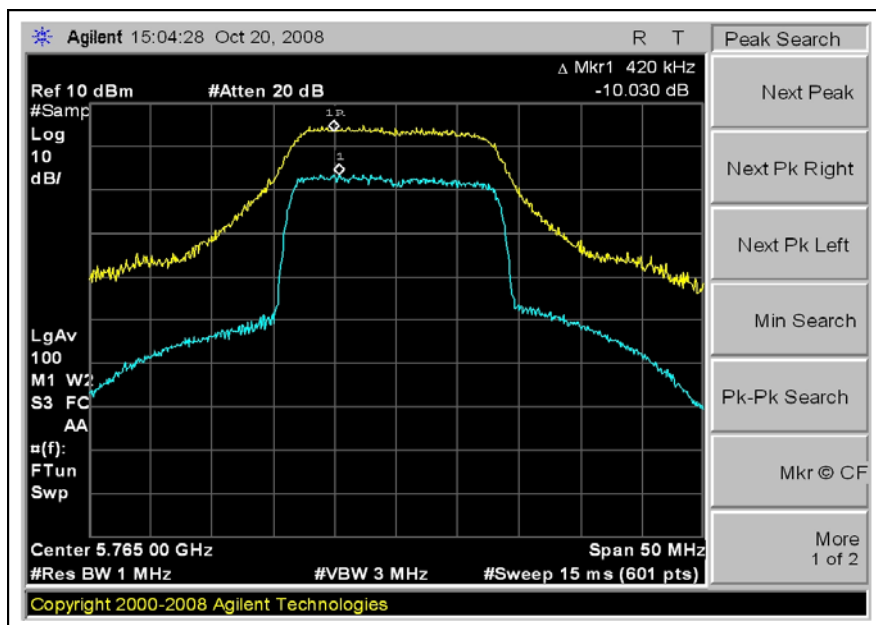
**FCC 15.407(a)(6) PEAK EXCURSION 802.11a
CHANNEL 149 ANTENNA A**



**FCC 15.407(a)(6) PEAK EXCURSION 802.11a
CHANNEL 149 ANTENNA A**



**FCC 15.407(a)(6) PEAK EXCLUSION 802.11a
CHANNEL 153 ANTENNA A**



**FCC 15.407(a)(6) PEAK EXCLUSION 802.11a
CHANNEL 153 ANTENNA B**

