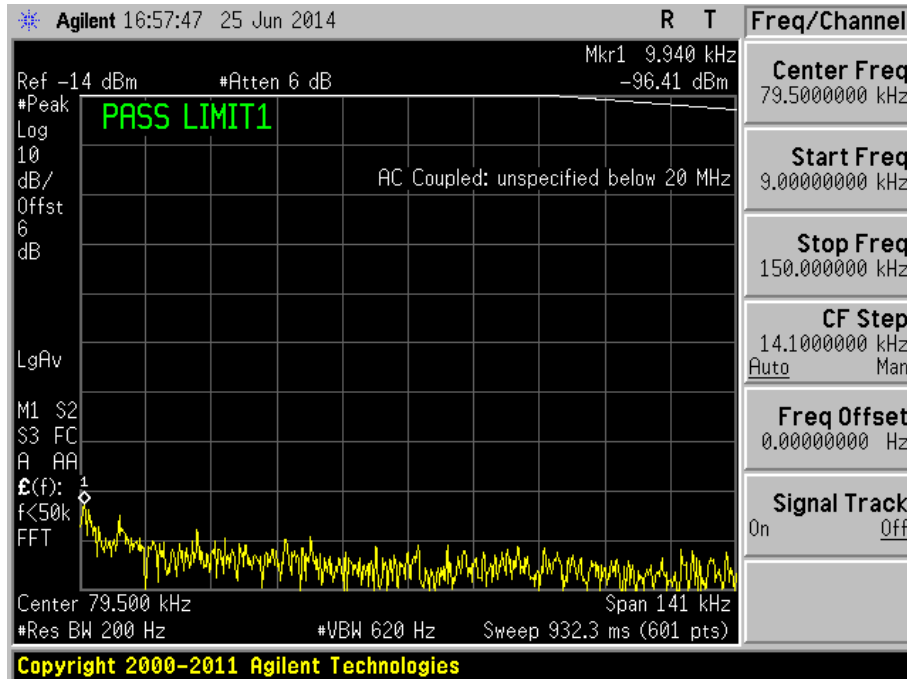
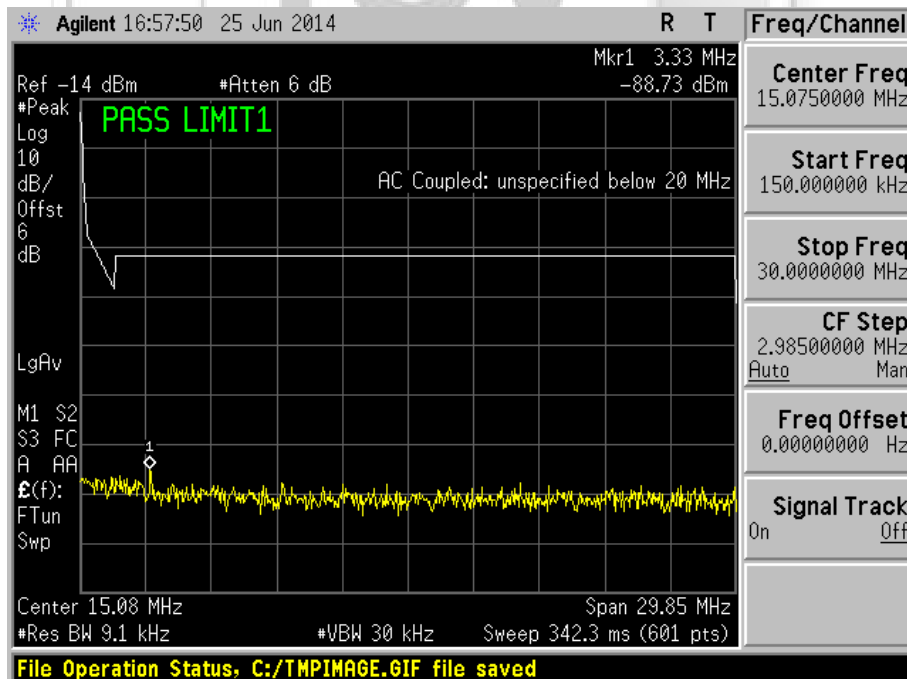


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



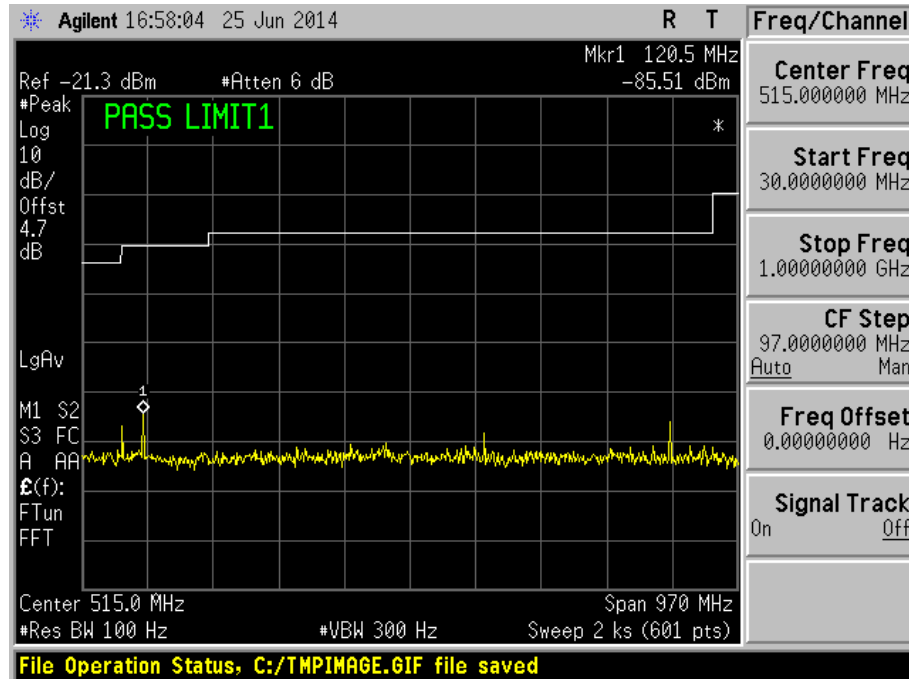
Plot 1621 – Channel 6 (middle ch) @ 16QAM 36Mbps



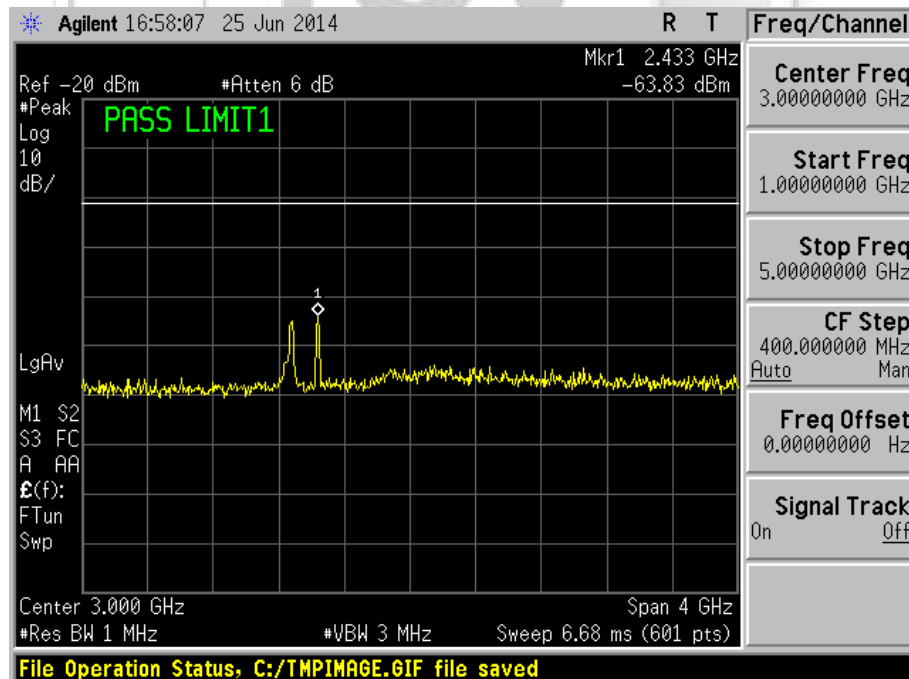
Plot 1622 – Channel 6 (middle ch) @ 16QAM 36Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



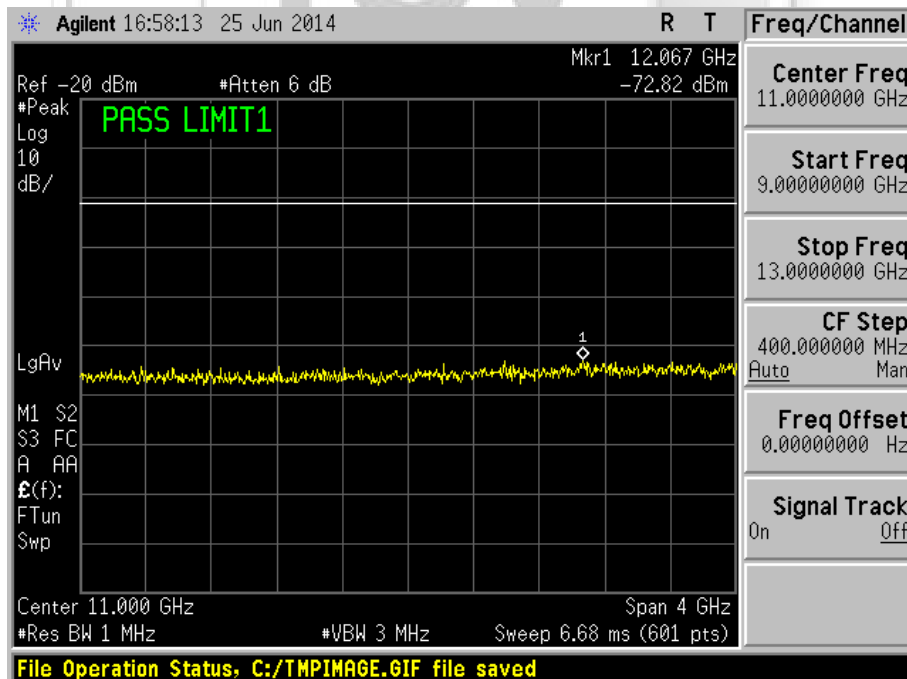
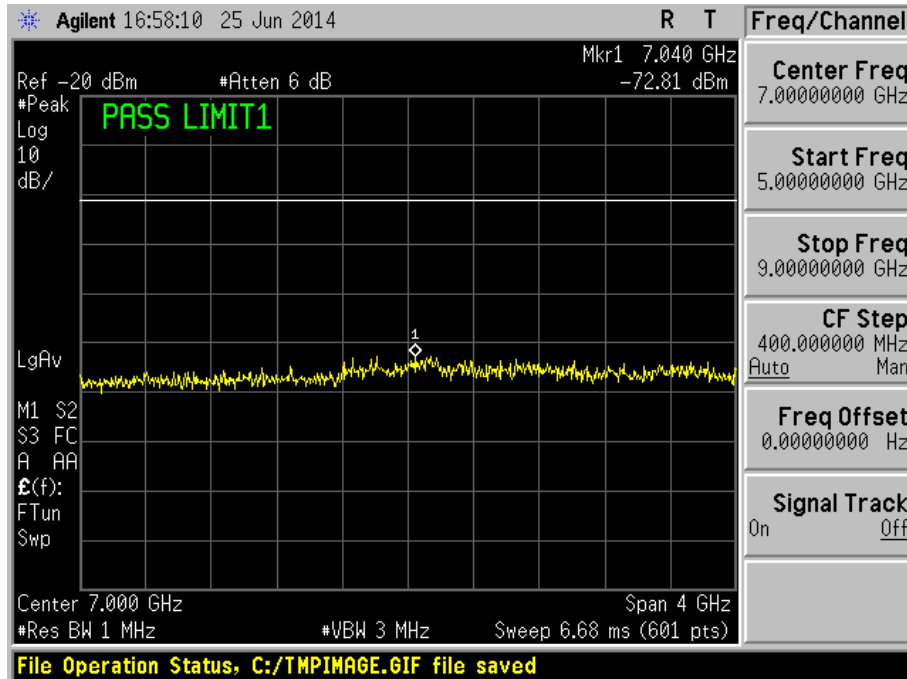
Plot 1623 – Channel 6 (middle ch) @ 16QAM 36Mbps



Plot 1624 – Channel 6 (middle ch) @ 16QAM 36Mbps

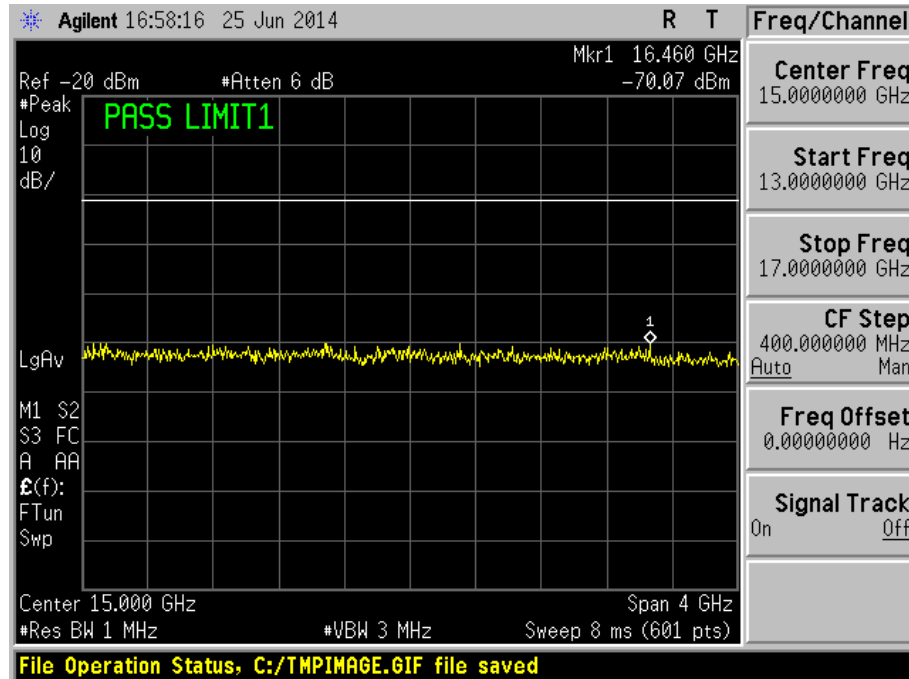
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

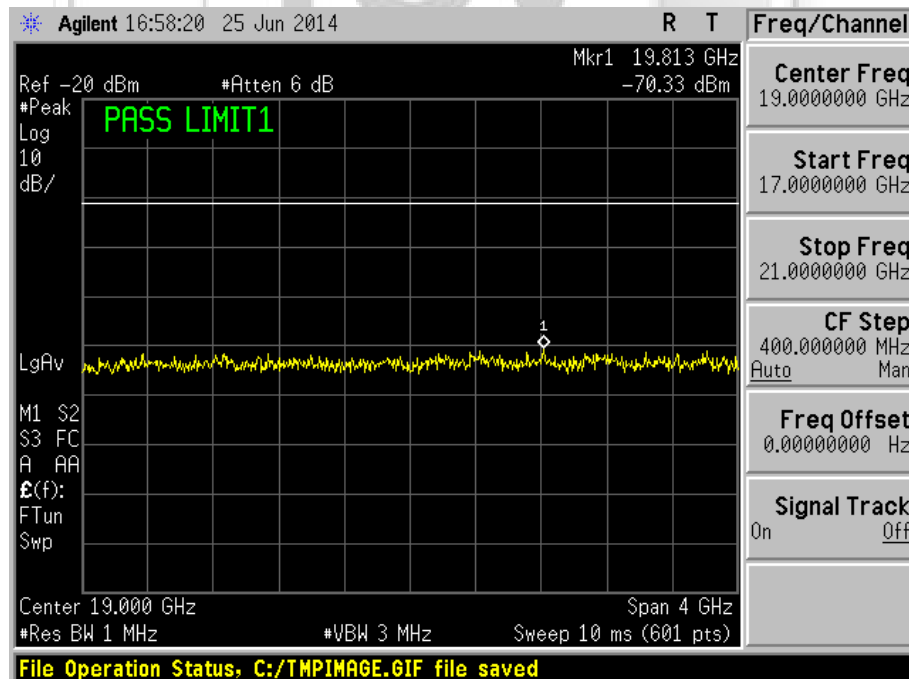


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



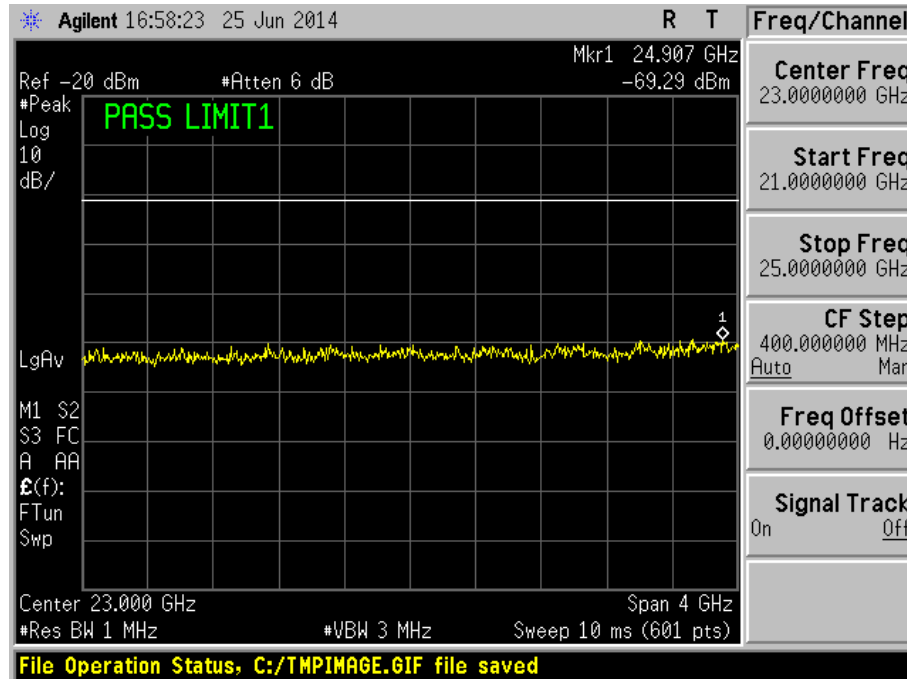
Plot 1627 – Channel 6 (middle ch) @ 16QAM 36Mbps



Plot 1628 – Channel 6 (middle ch) @ 16QAM 36Mbps

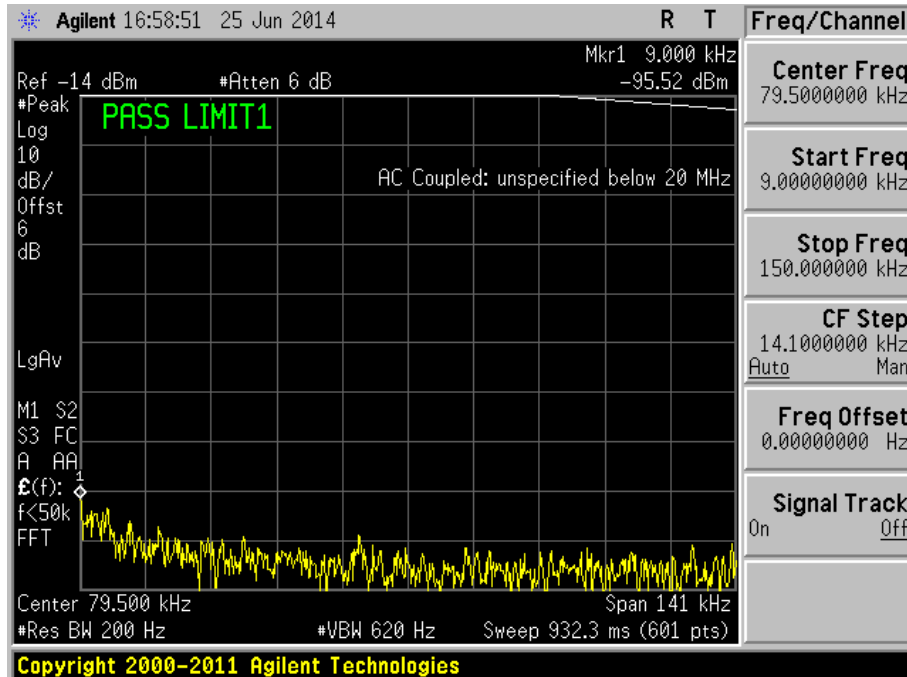
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

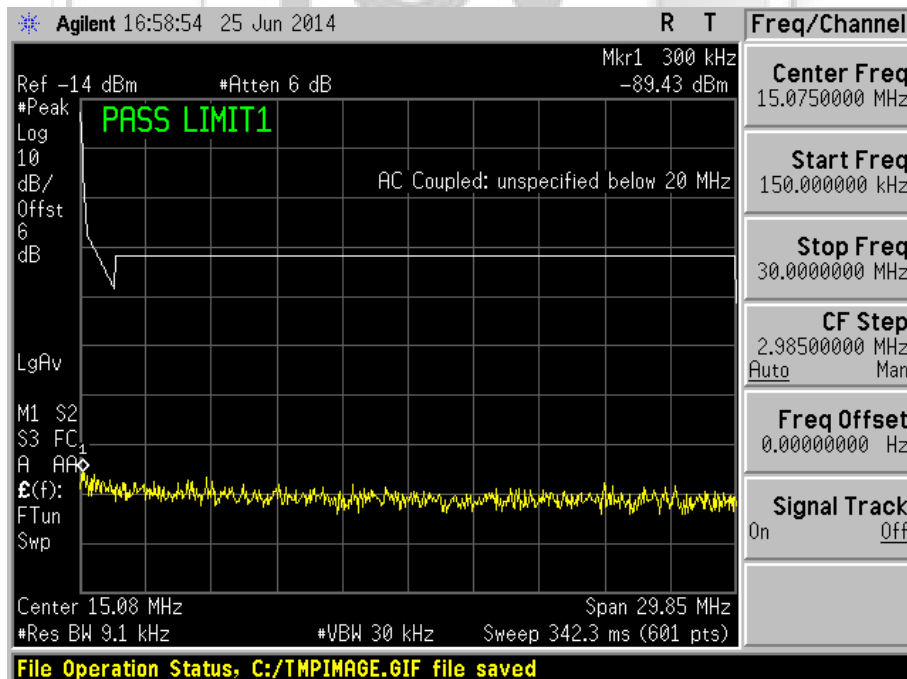


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



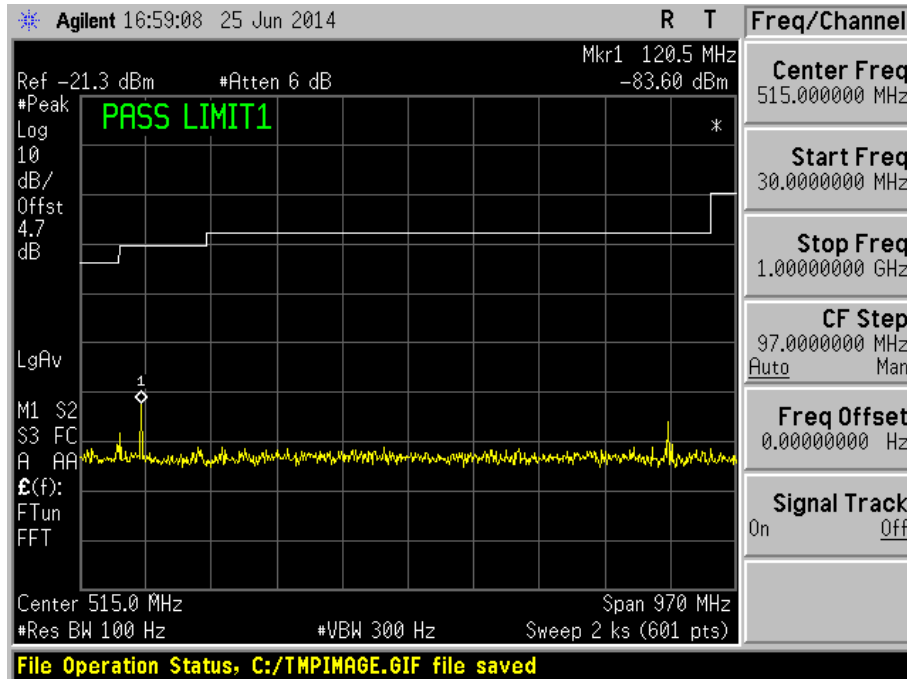
Plot 1630 – Channel 6 (middle ch) @ 64QAM 54Mbps



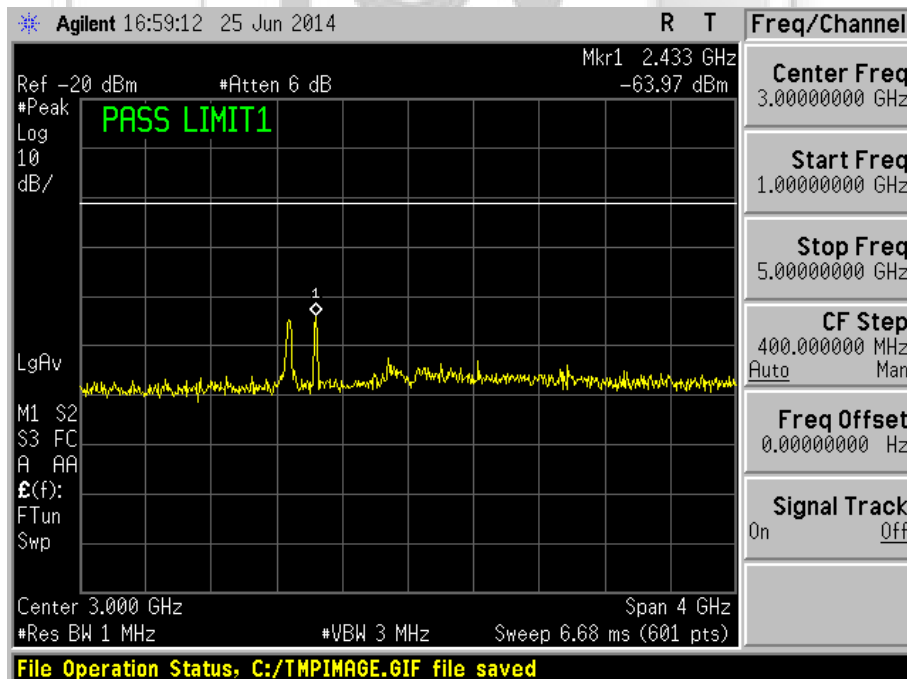
Plot 1631 – Channel 6 (middle ch) @ 64QAM 54Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



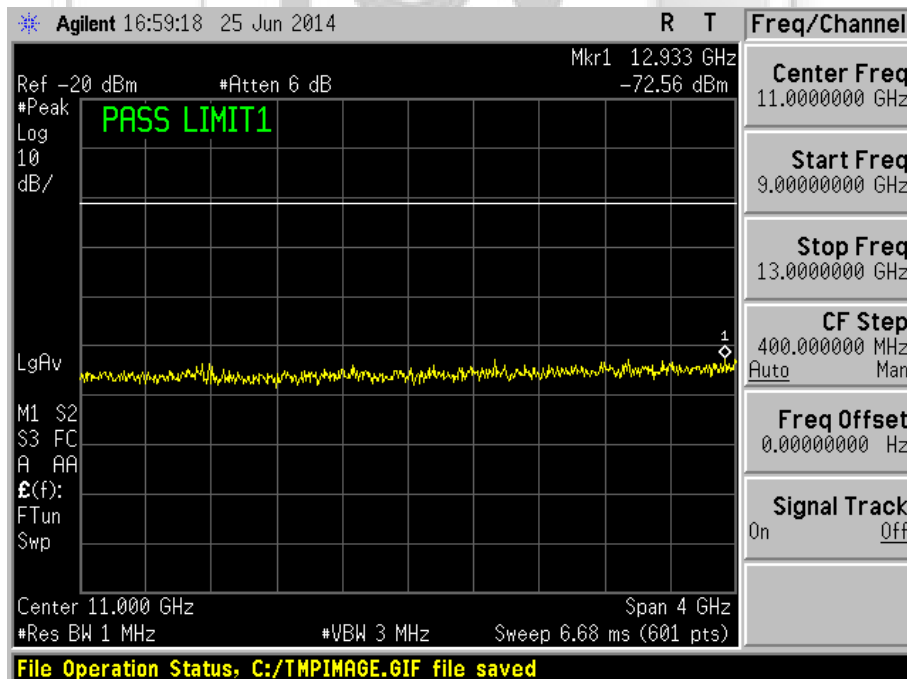
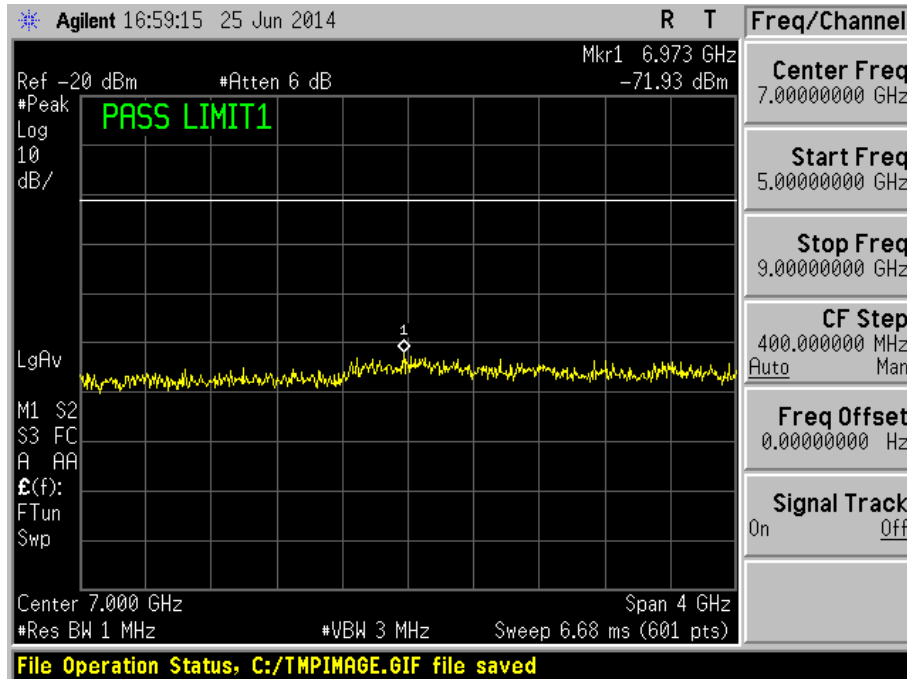
Plot 1632 – Channel 6 (middle ch) @ 64QAM 54Mbps



Plot 1633 – Channel 6 (middle ch) @ 64QAM 54Mbps

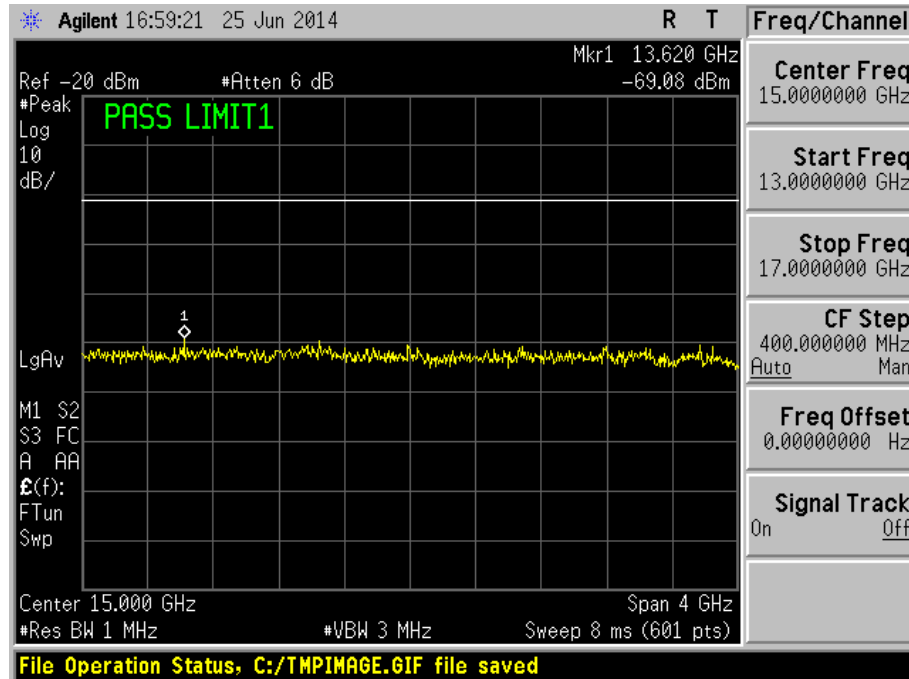
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

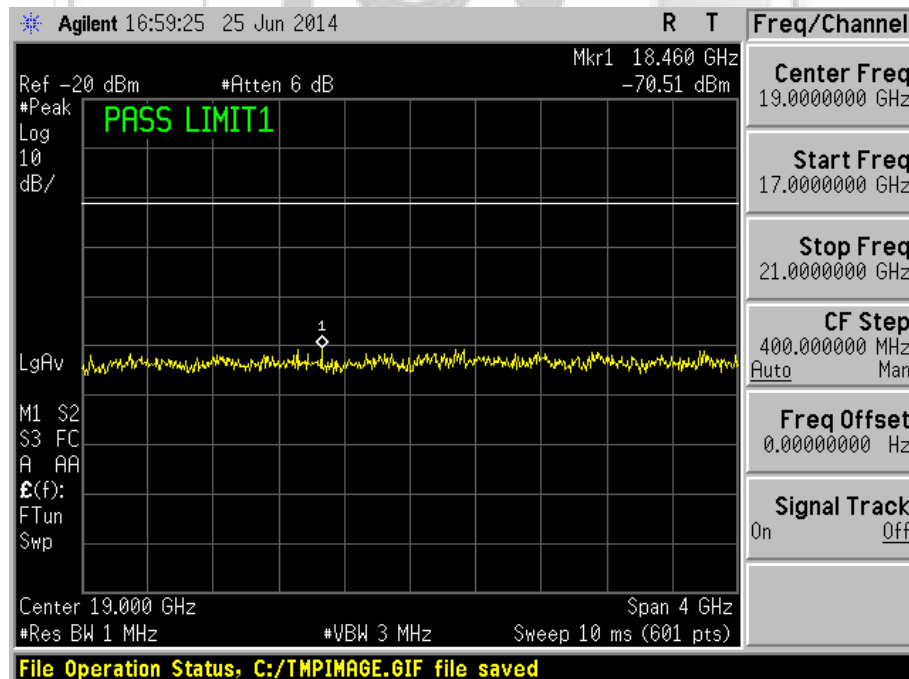


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



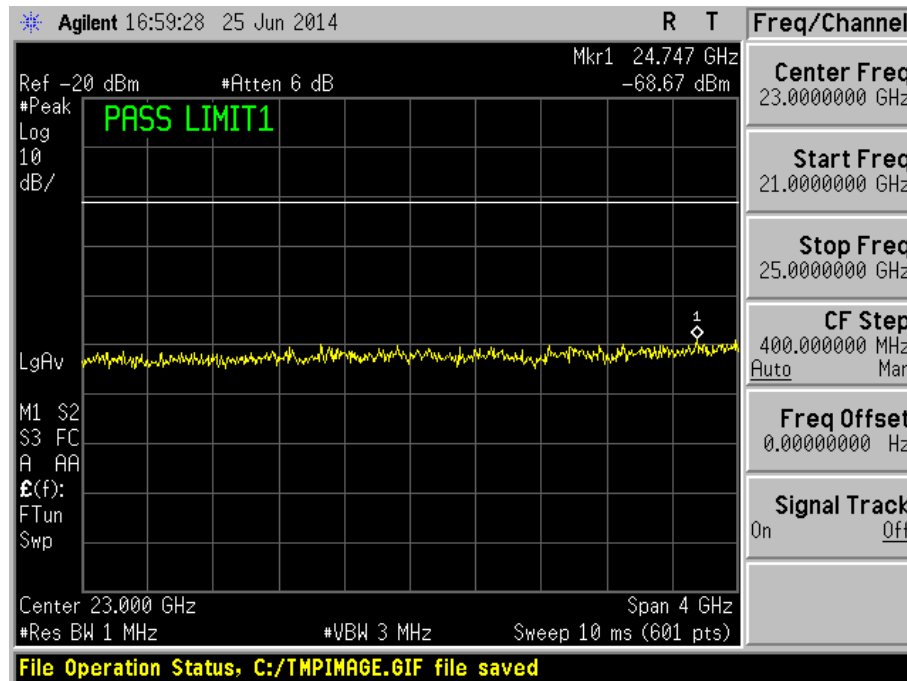
Plot 1636 – Channel 6 (middle ch) @ 64QAM 54Mbps



Plot 1637 – Channel 6 (middle ch) @ 64QAM 54Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

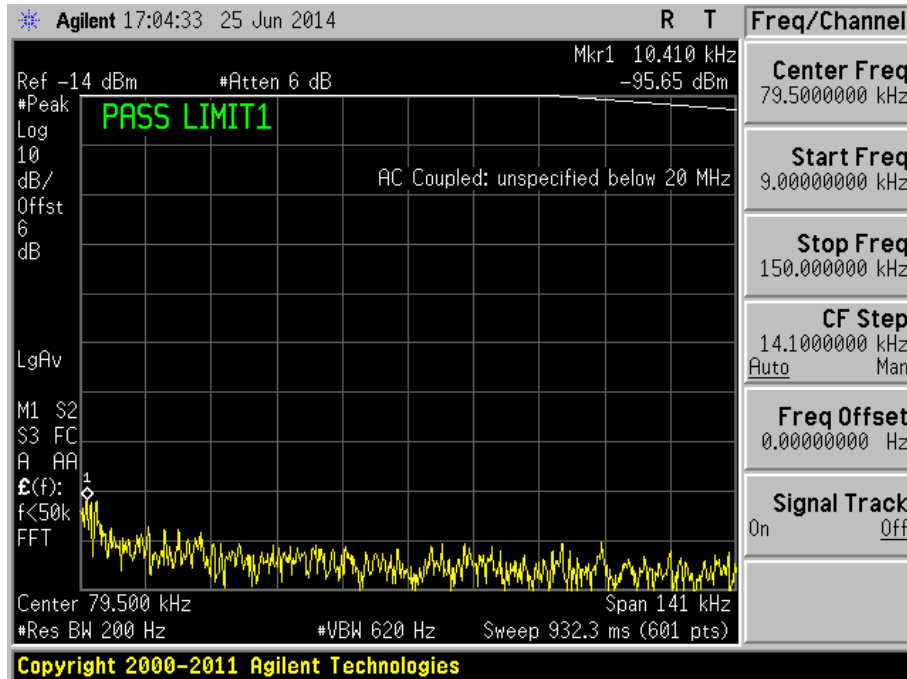
RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



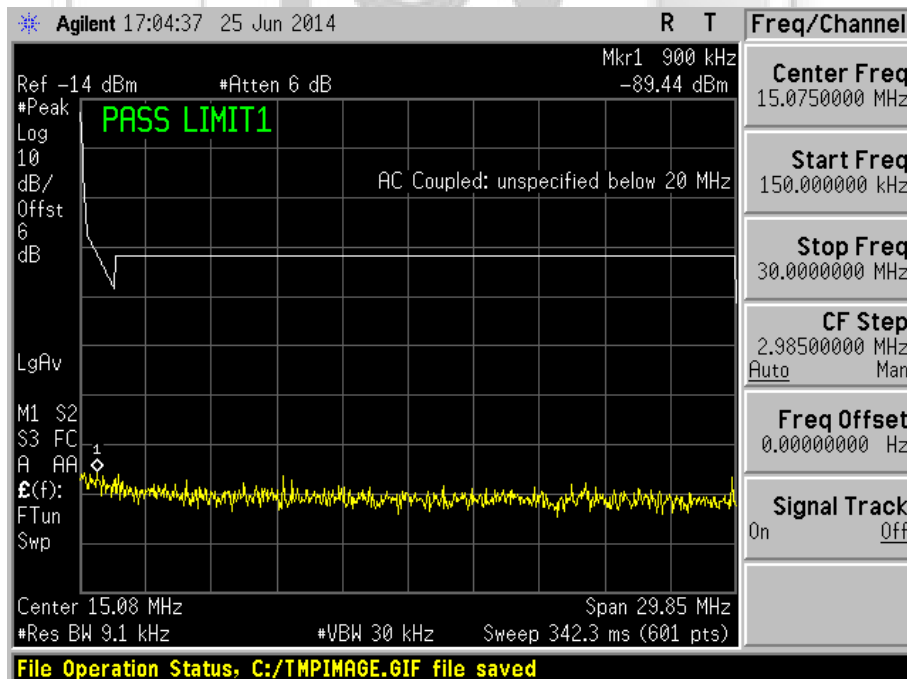
Plot 1638 – Channel 6 (middle ch) @ 64QAM 54Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



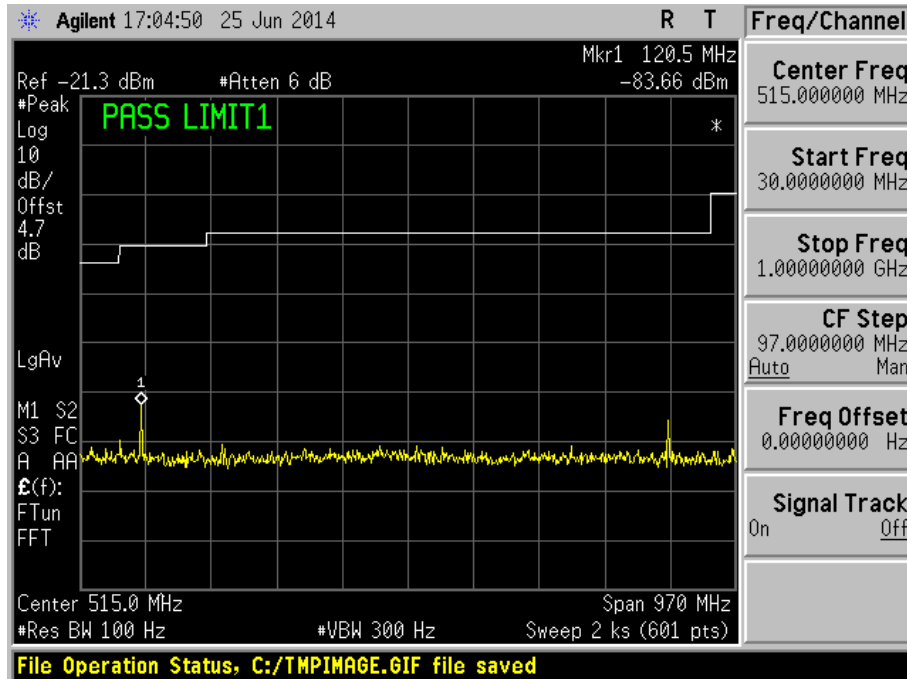
Plot 1639 – Channel 11 (upper ch) @ BPSK 9Mbps



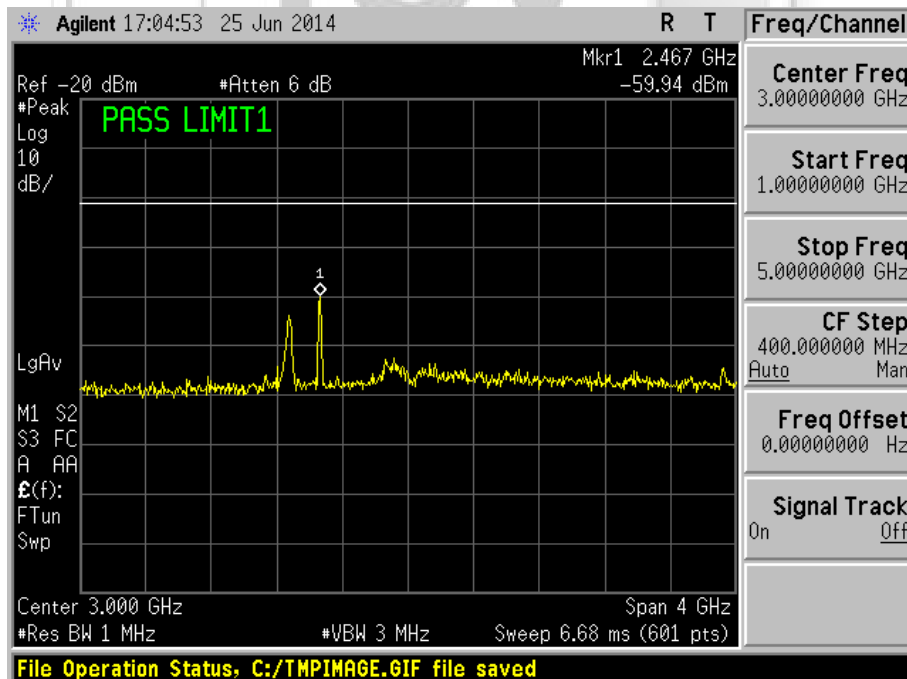
Plot 1640 – Channel 11 (upper ch) @ BPSK 9Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



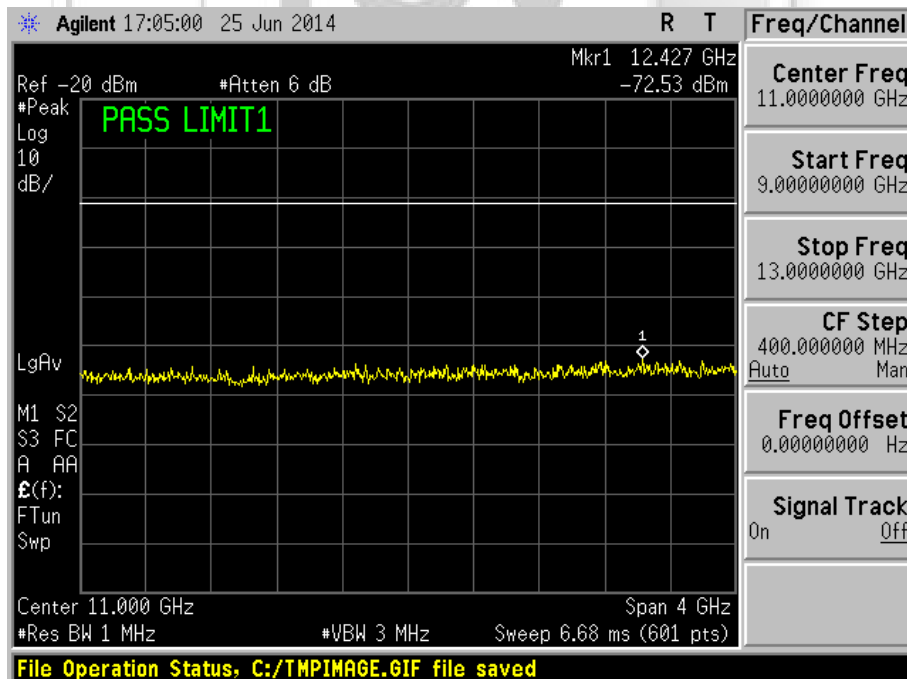
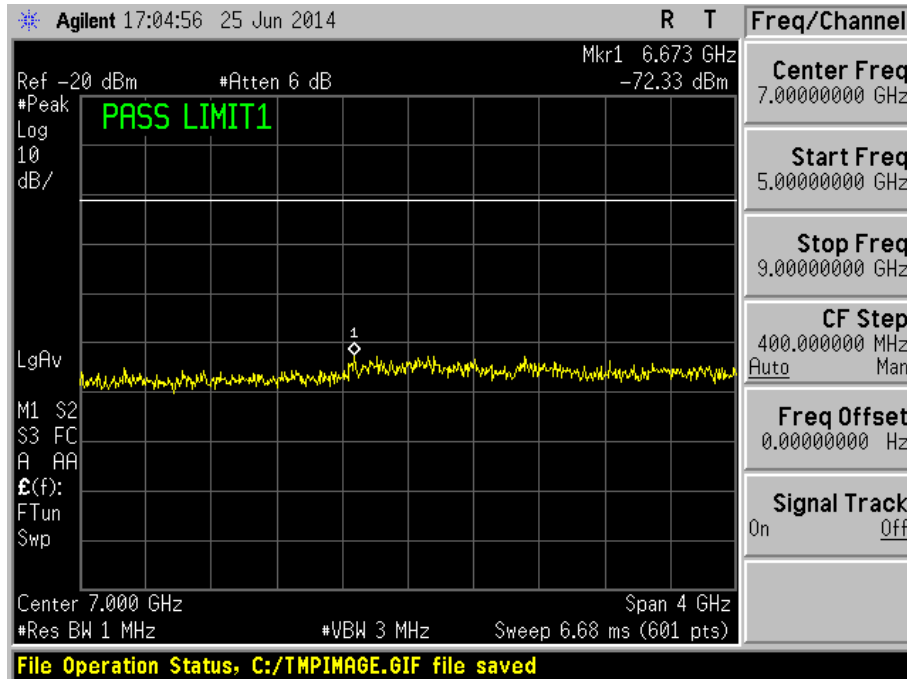
Plot 1641 – Channel 11 (upper ch) @ BPSK 9Mbps



Plot 1642 – Channel 11 (upper ch) @ BPSK 9Mbps

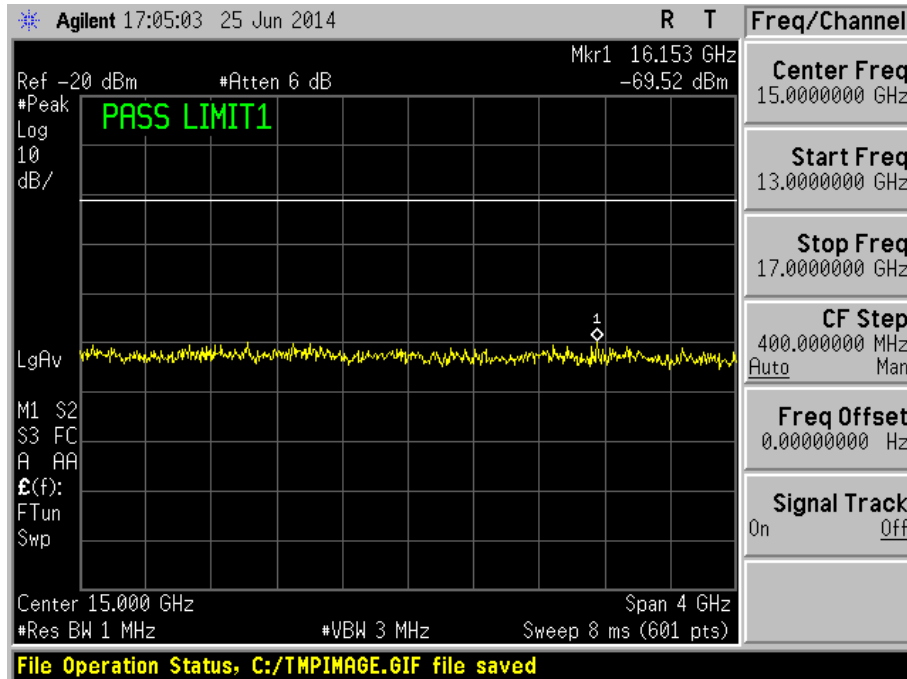
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

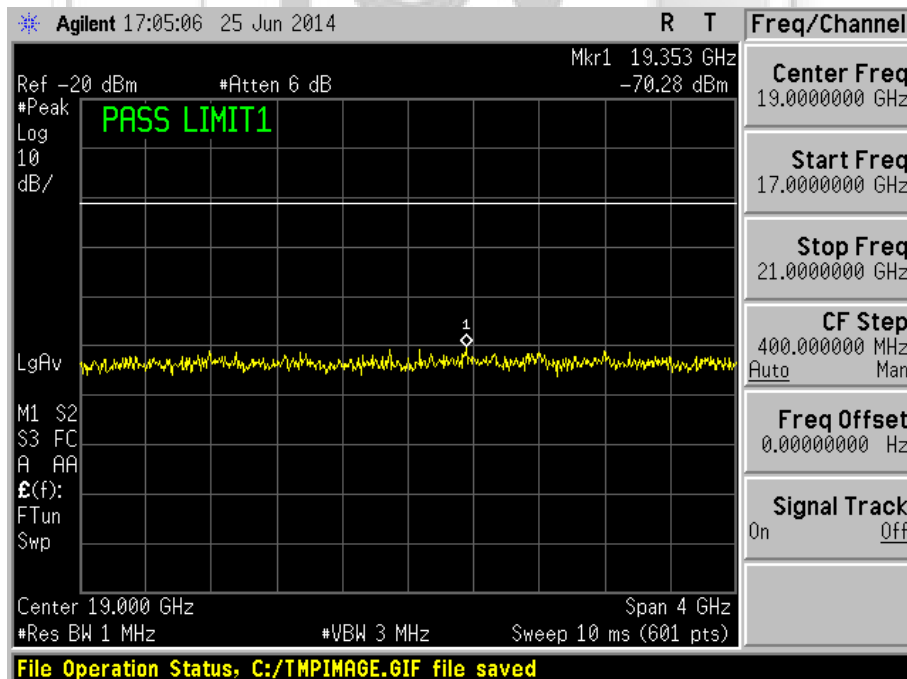


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



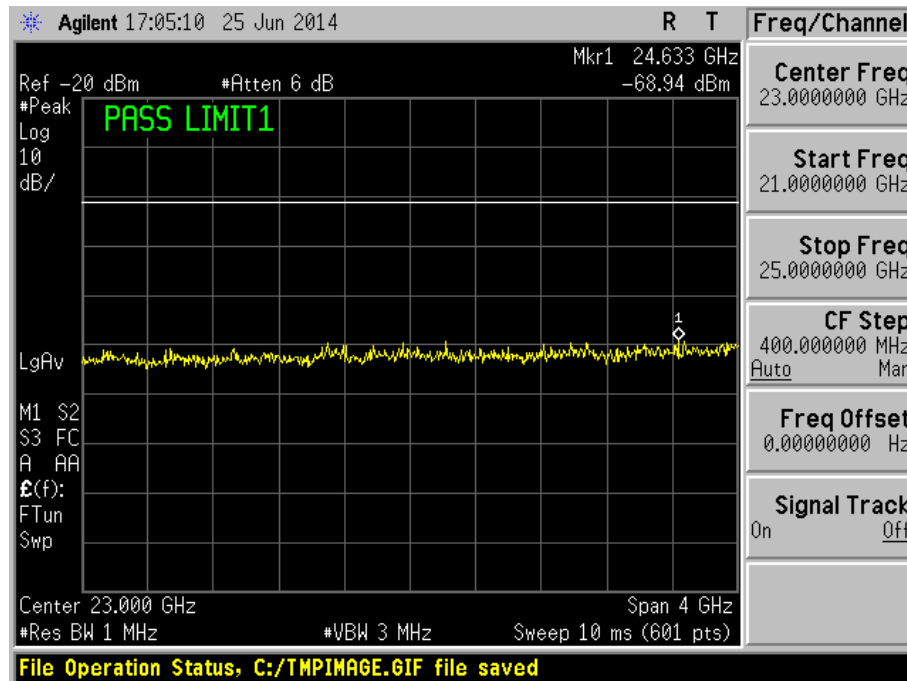
Plot 1645 – Channel 11 (upper ch) @ BPSK 9Mbps



Plot 1646 – Channel 11 (upper ch) @ BPSK 9Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

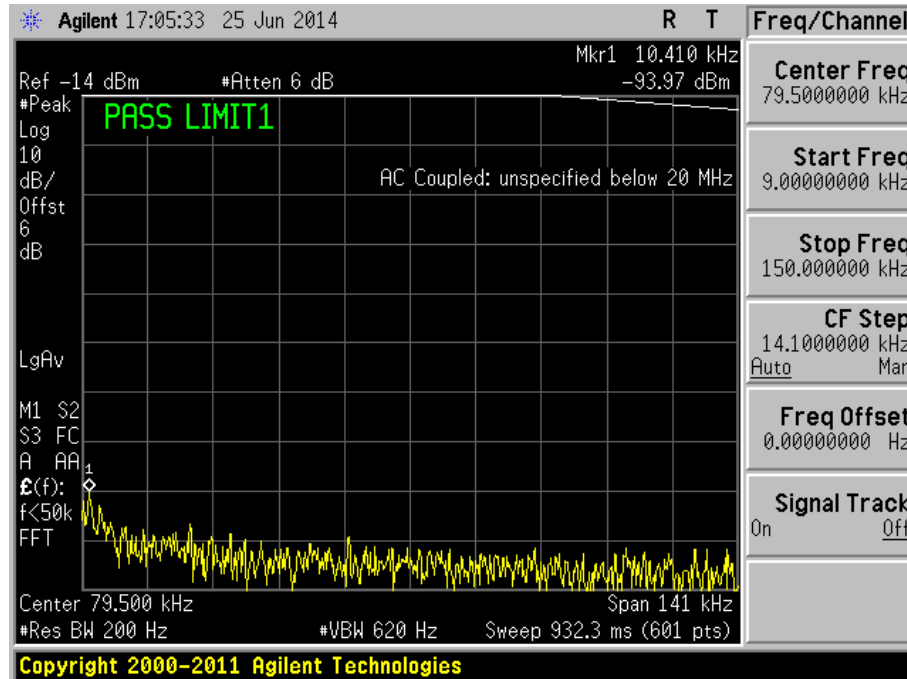
RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



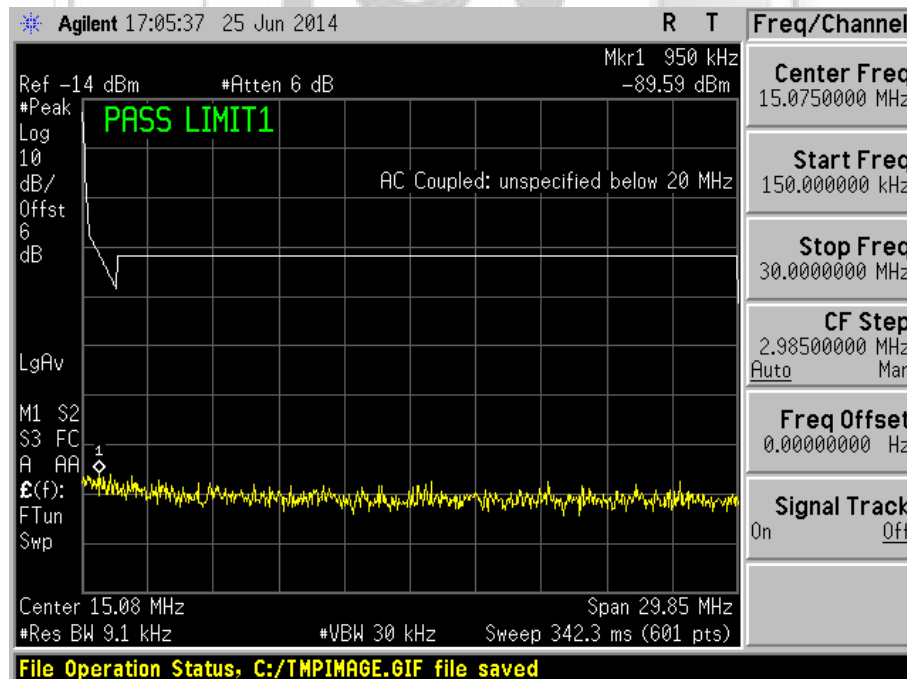
Plot 1647 – Channel 11 (upper ch) @ BPSK 9Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



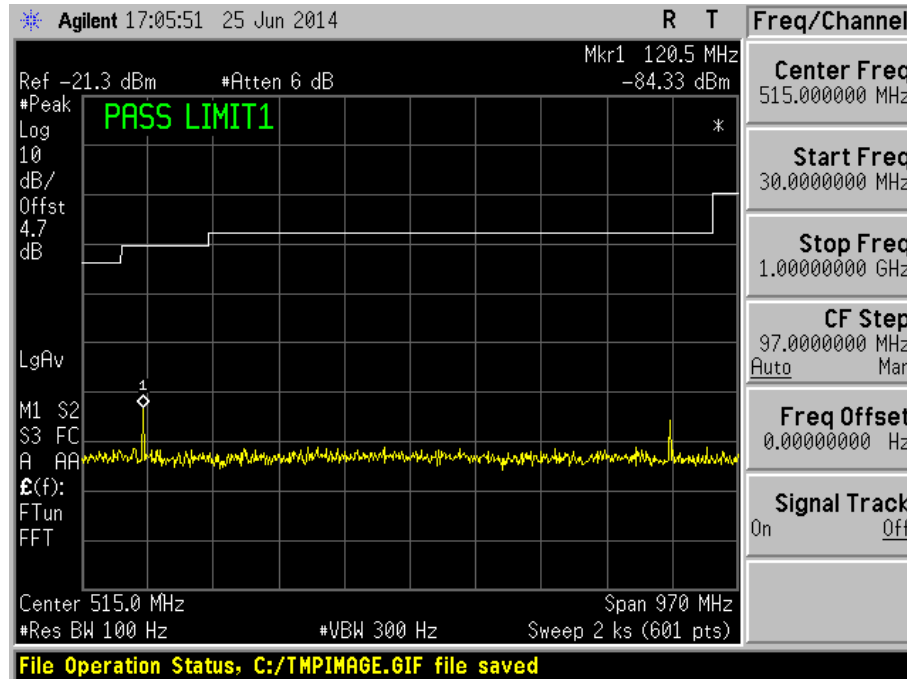
Plot 1648 – Channel 11 (upper ch) @ QPSK 18Mbps



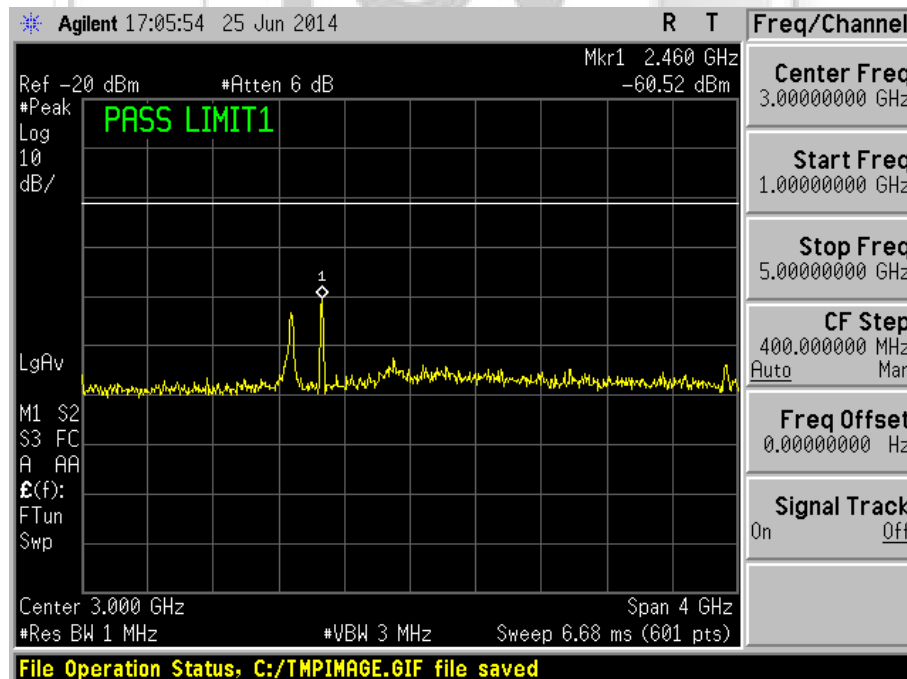
Plot 1649 – Channel 11 (upper ch) @ QPSK 18Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



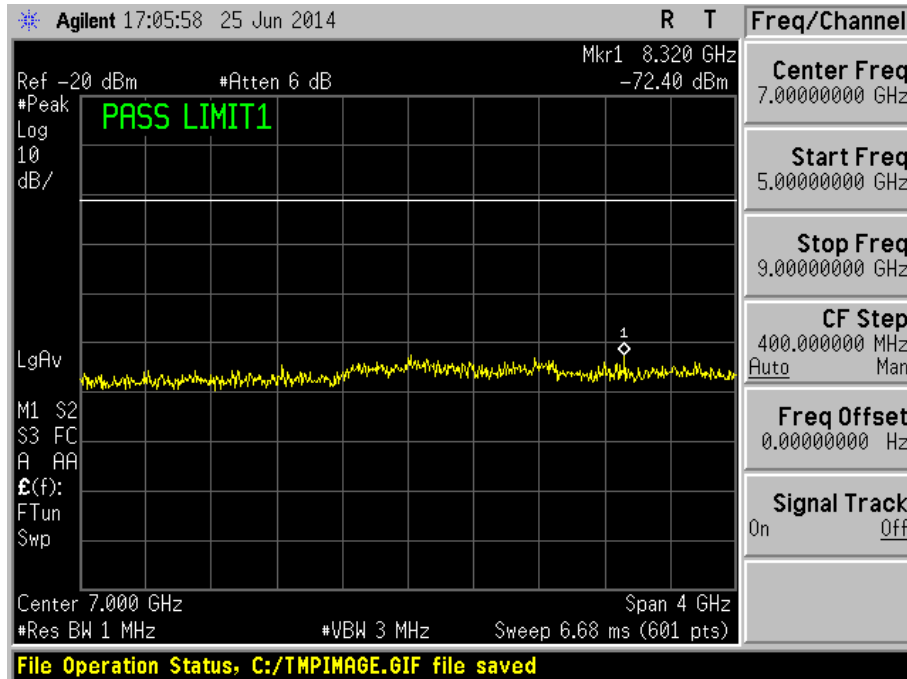
Plot 1650 – Channel 11 (upper ch) @ QPSK 18Mbps



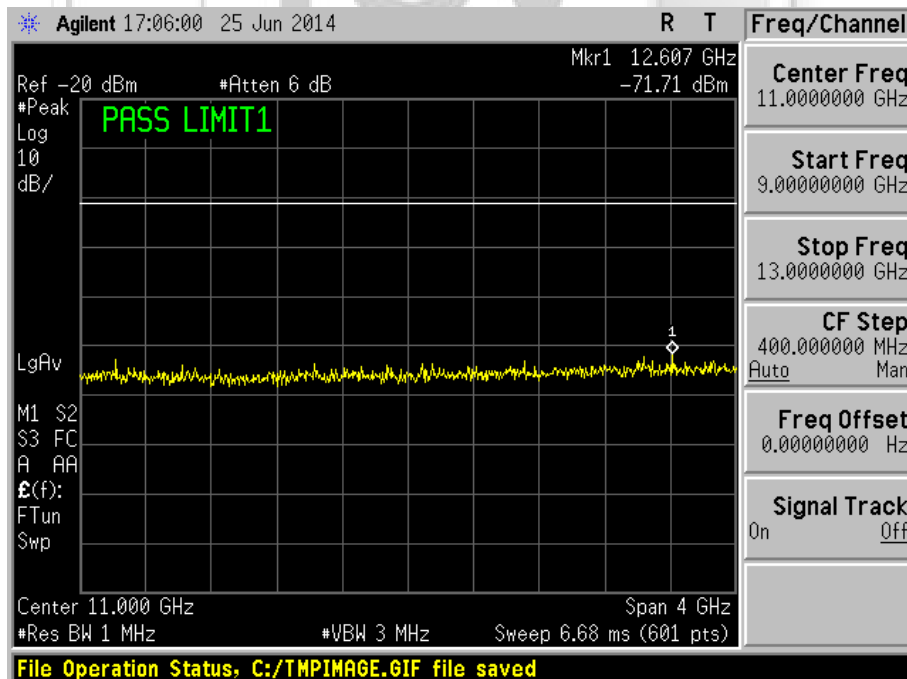
Plot 1651 – Channel 11 (upper ch) @ QPSK 18Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



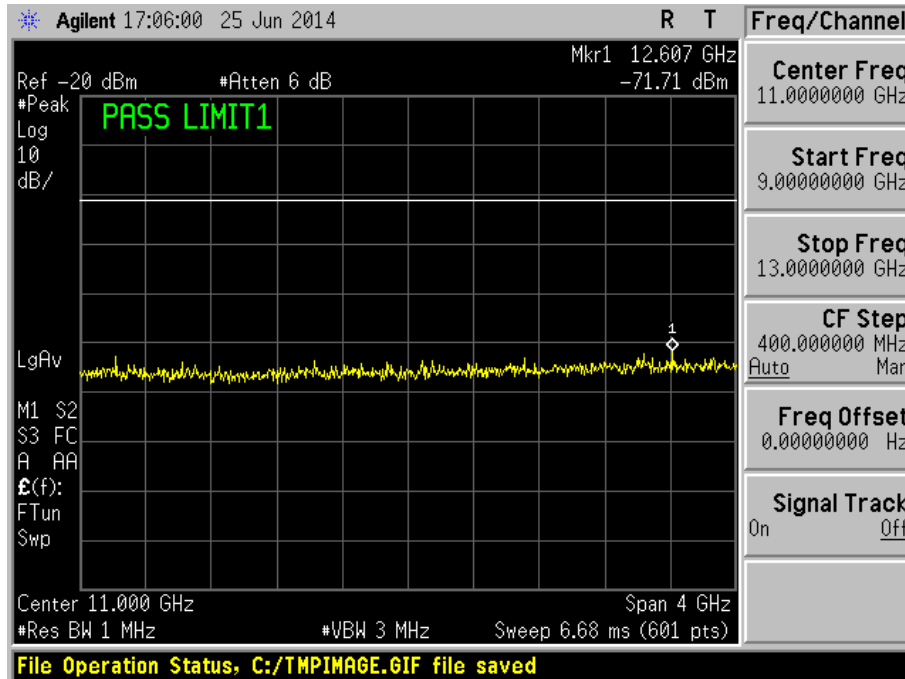
Plot 1652 – Channel 11 (upper ch) @ QPSK 18Mbps



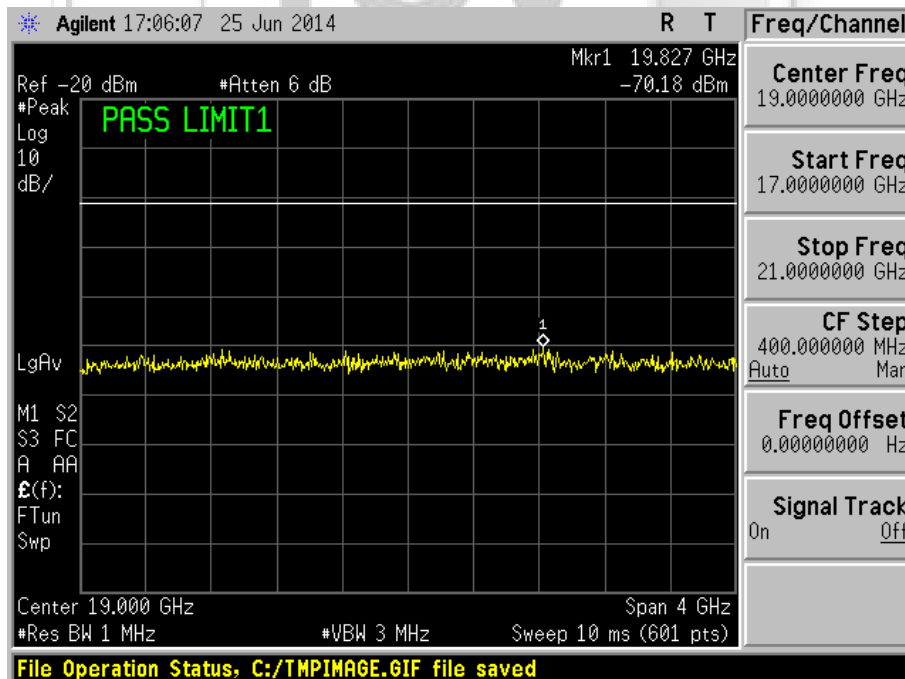
Plot 1653 – Channel 11 (upper ch) @ QPSK 18Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



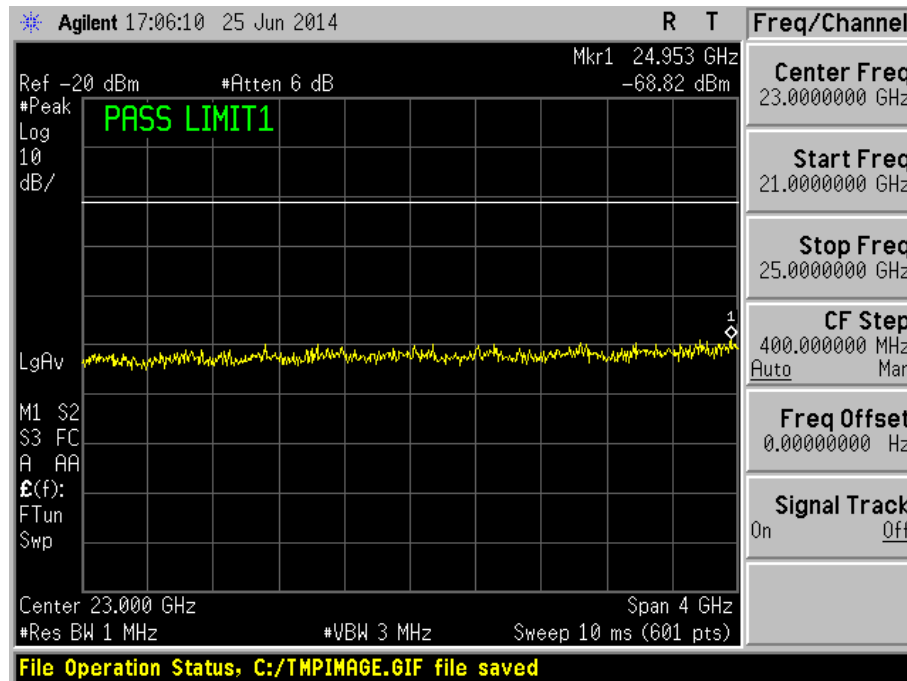
Plot 1654 – Channel 11 (upper ch) @ QPSK 18Mbps



Plot 1655 – Channel 11 (upper ch) @ QPSK 18Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

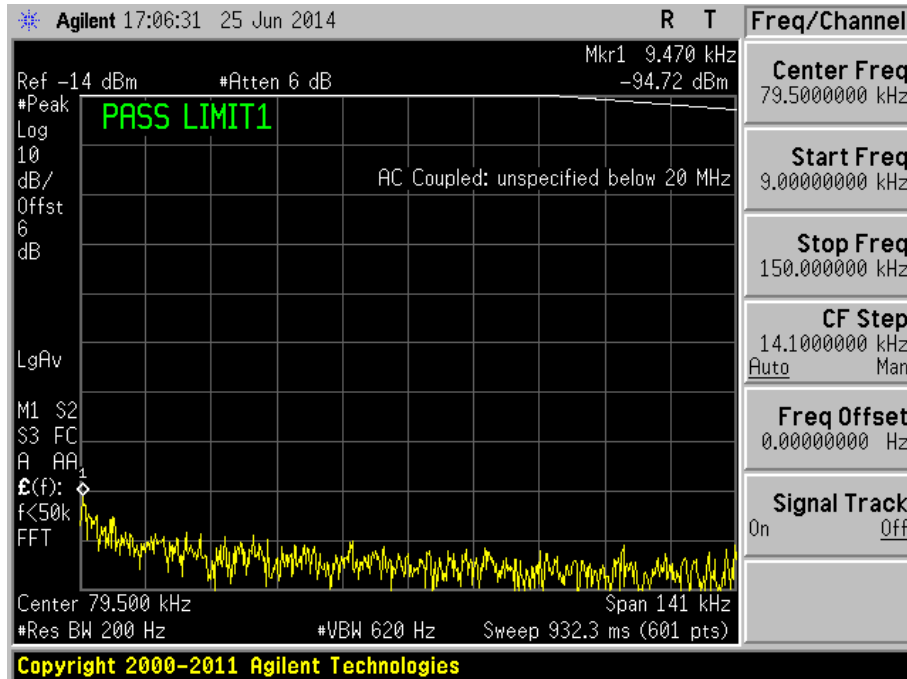
RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



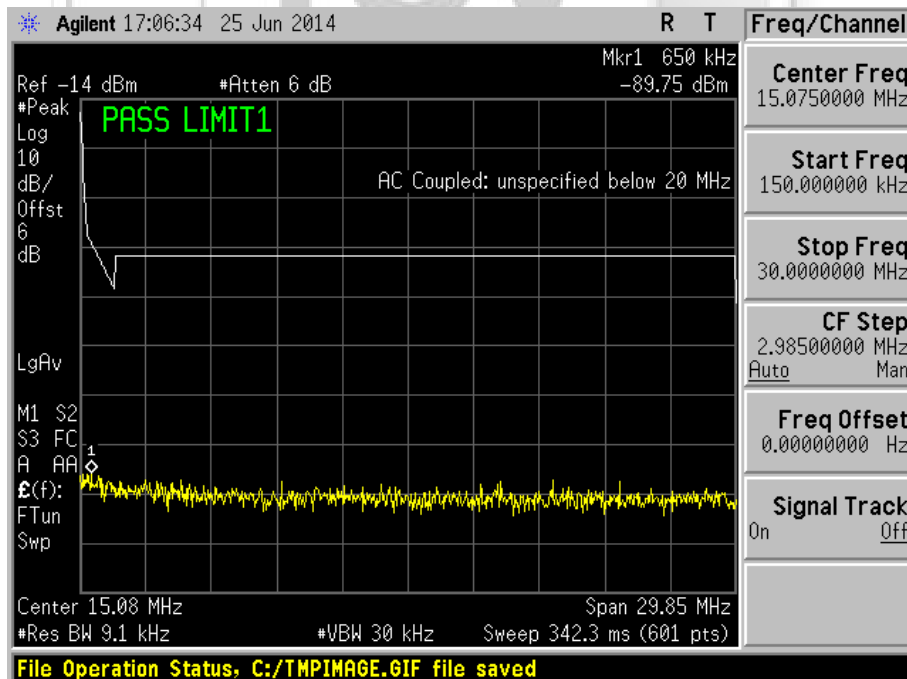
Plot 1656 – Channel 11 (upper ch) @ QPSK 18Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



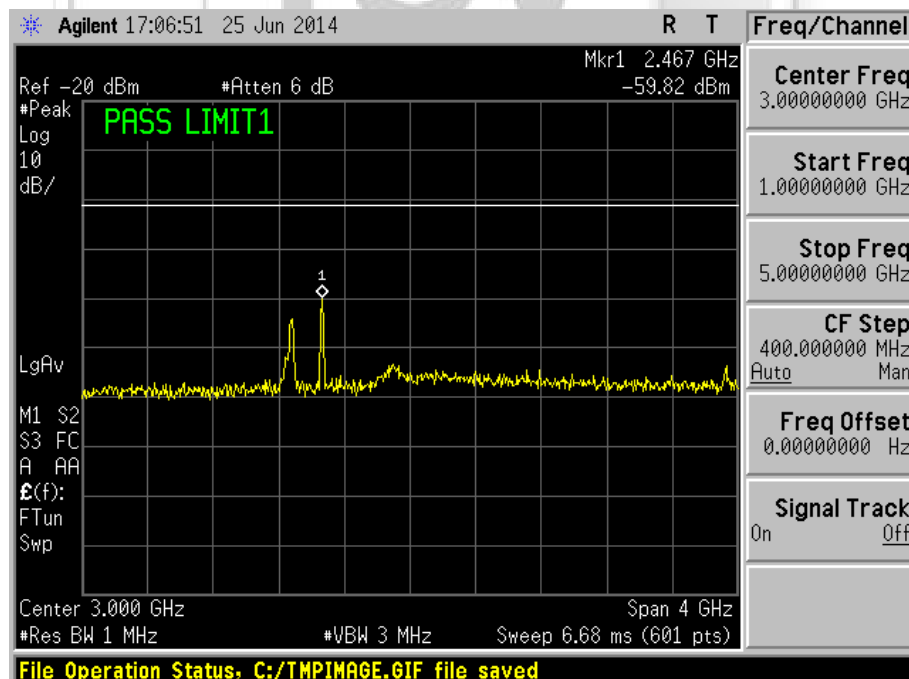
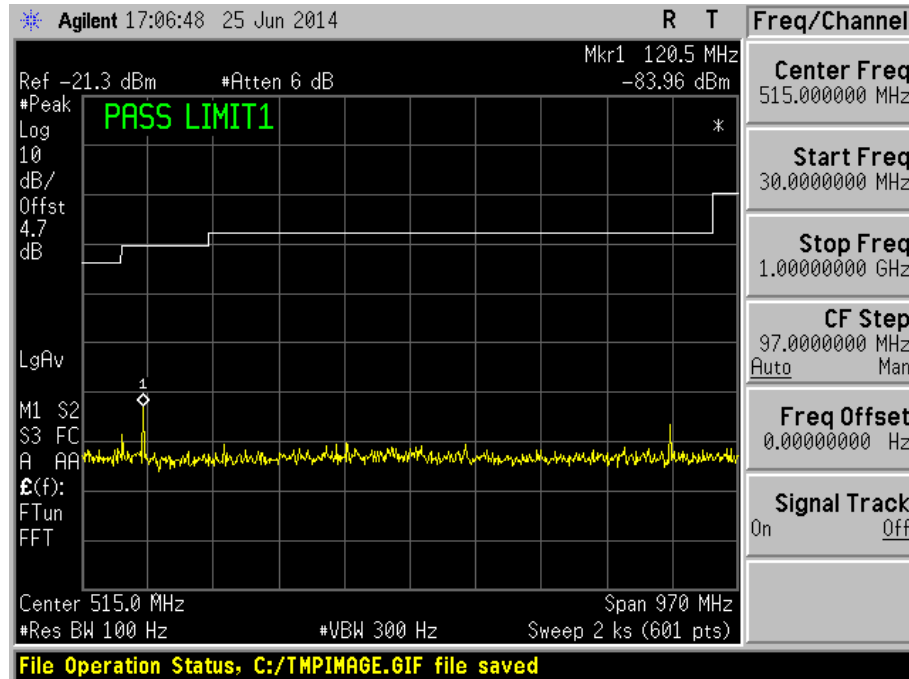
Plot 1657 – Channel 11 (upper ch) @ 16QAM 36Mbps



Plot 1658 – Channel 11 (upper ch) @ 16QAM 36Mbps

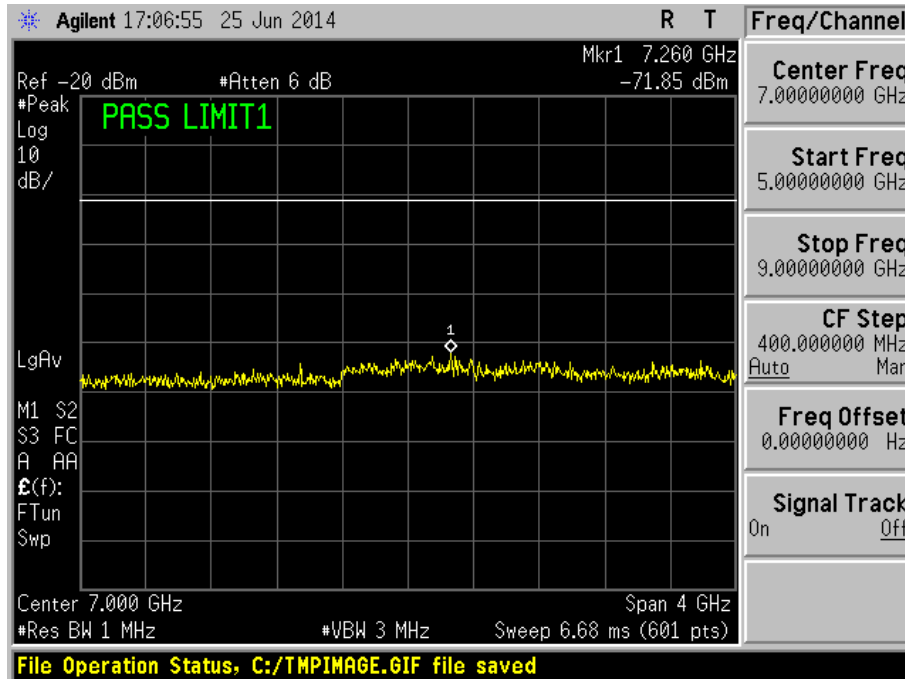
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

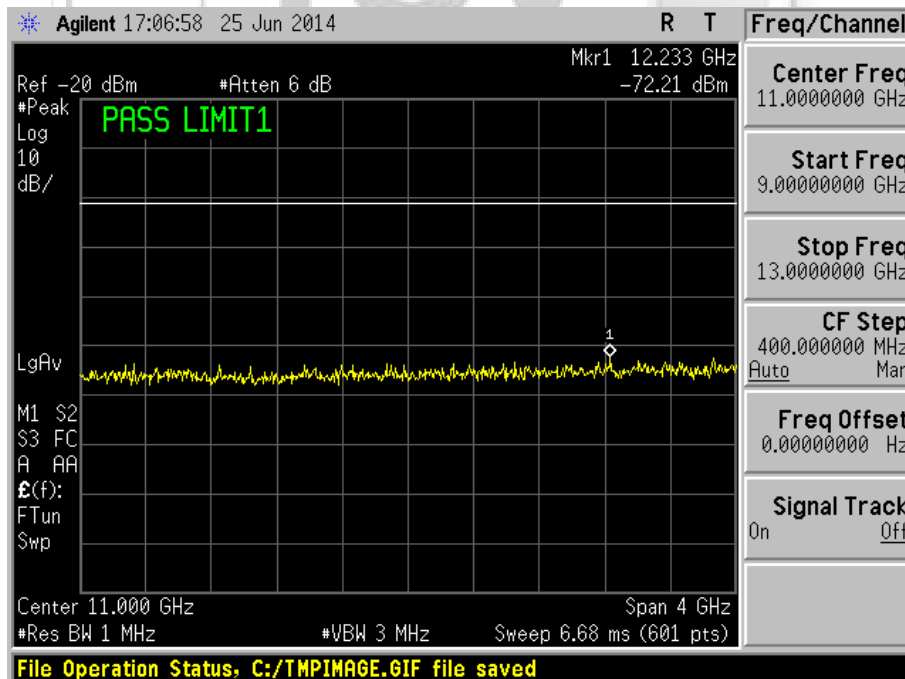


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



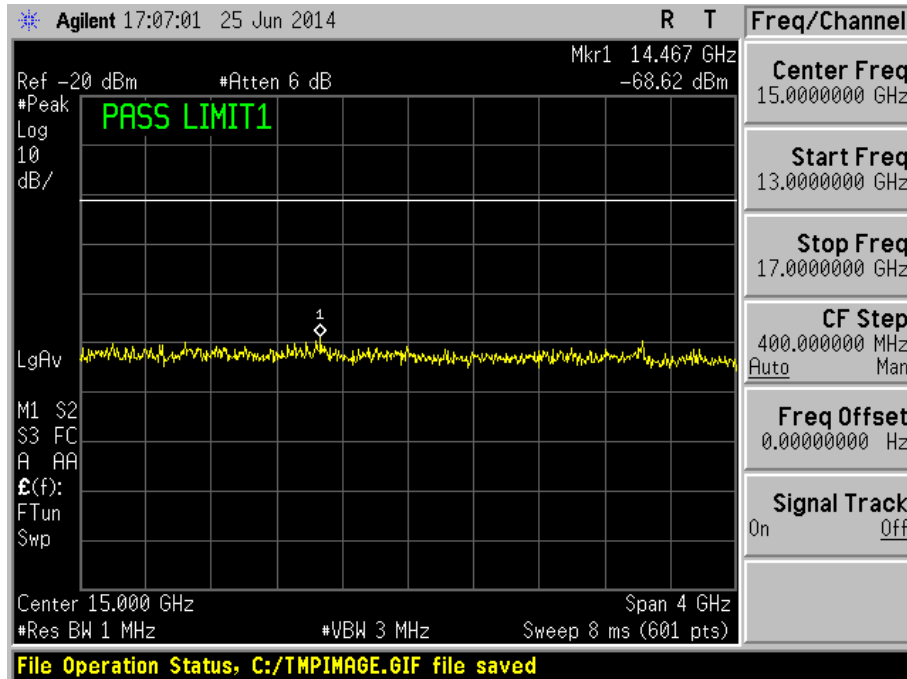
Plot 1661 – Channel 11 (upper ch) @ 16QAM 36Mbps



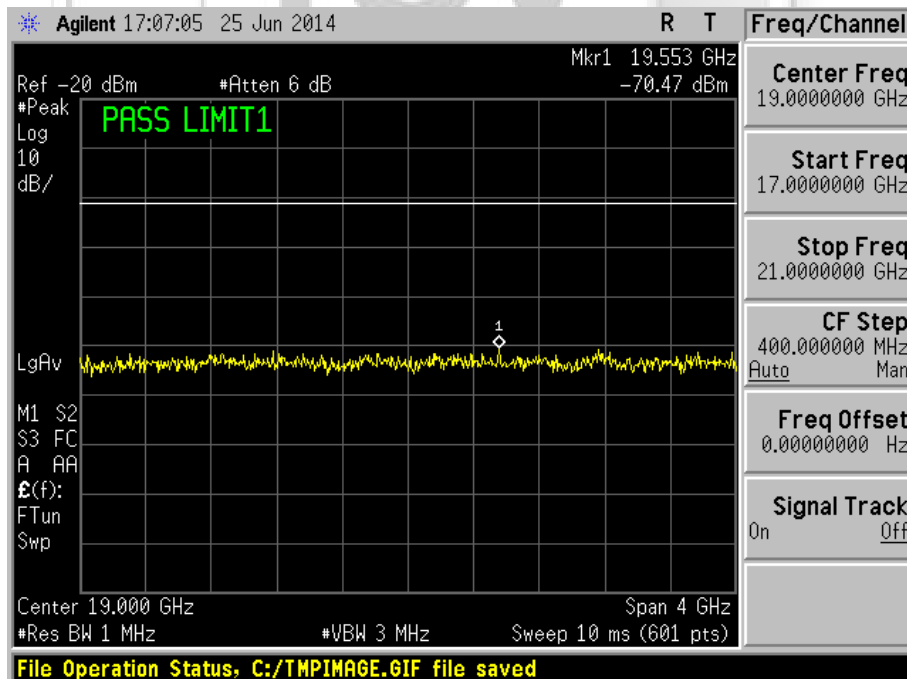
Plot 1662 – Channel 11 (upper ch) @ 16QAM 36Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



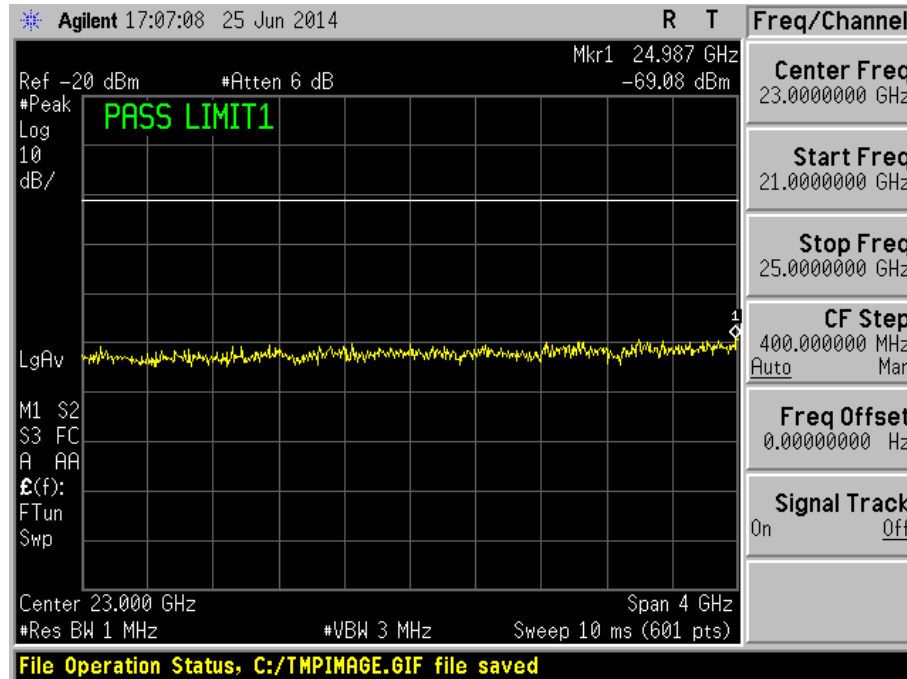
Plot 1663 – Channel 11 (upper ch) @ 16QAM 36Mbps



Plot 1664 – Channel 11 (upper ch) @ 16QAM 36Mbps

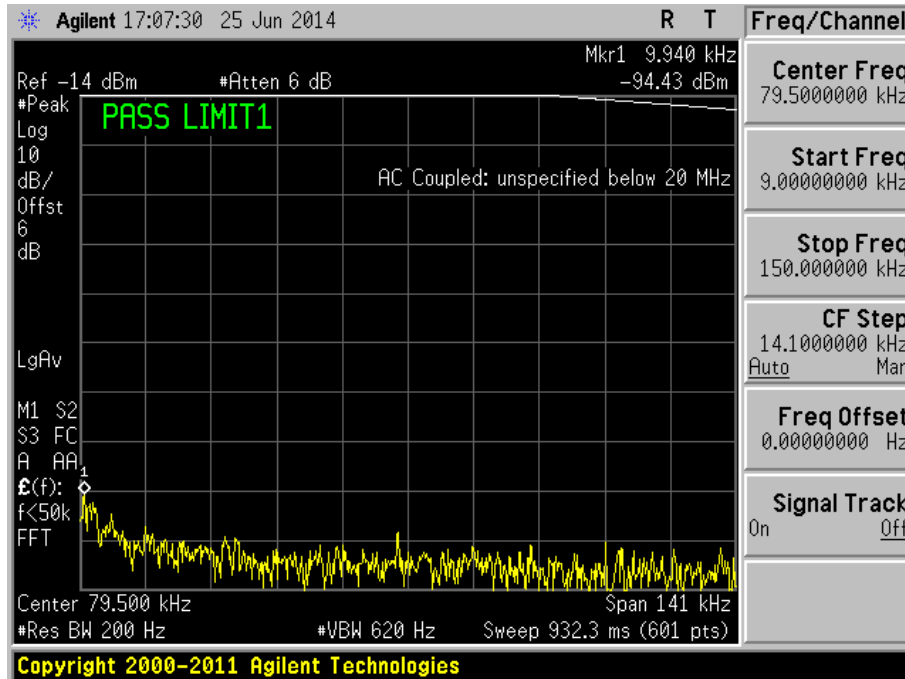
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

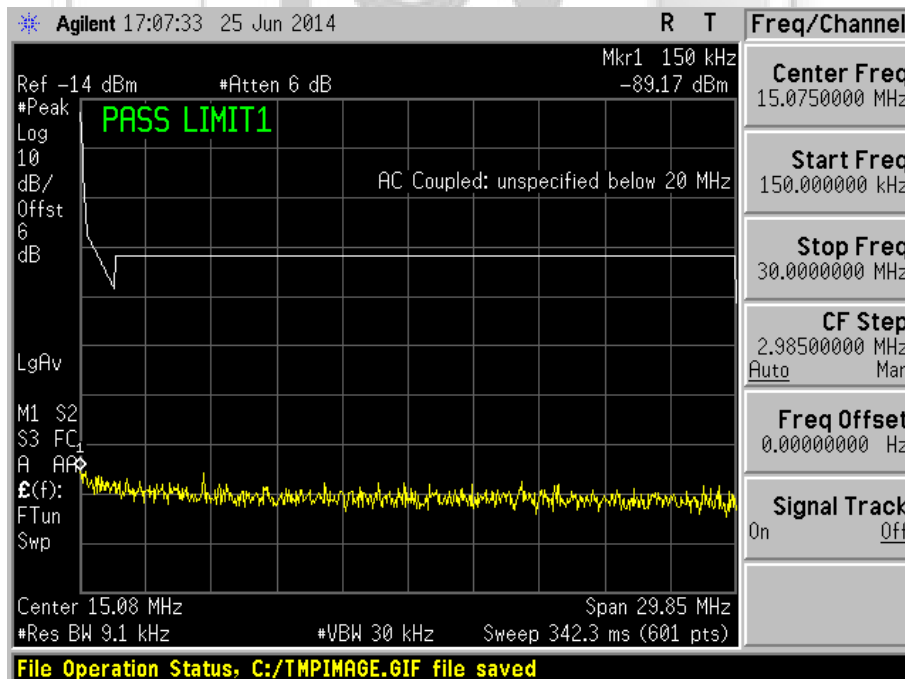


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



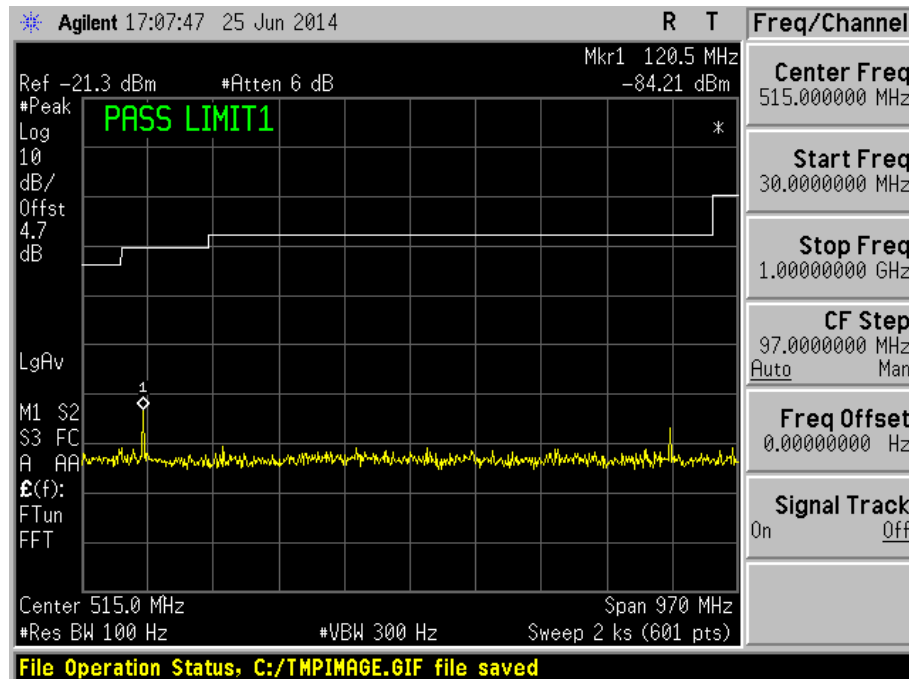
Plot 1666 – Channel 11 (upper ch) @ 64QAM 54Mbps



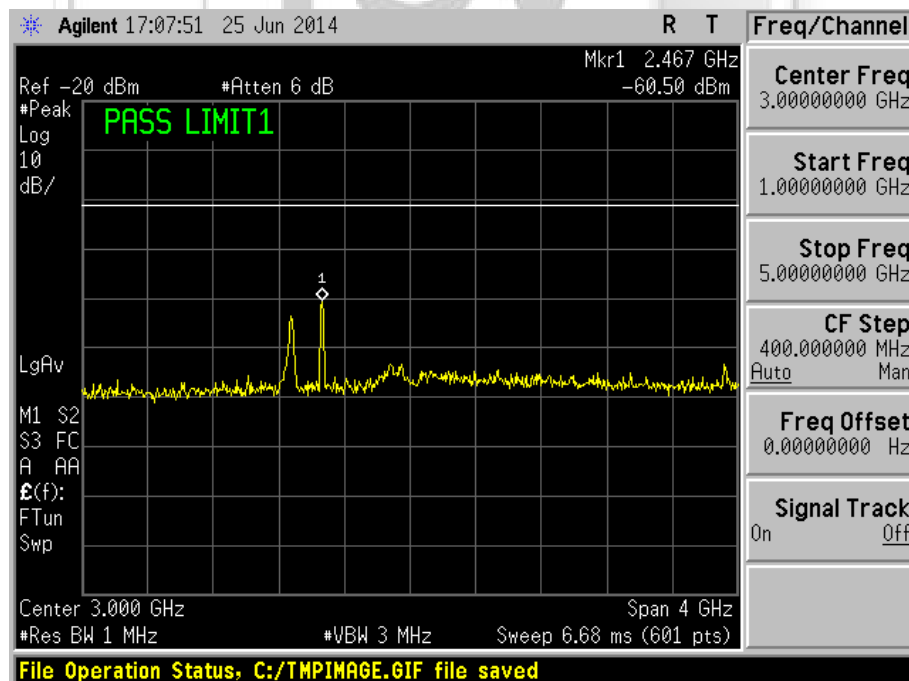
Plot 1667 – Channel 11 (upper ch) @ 64QAM 54Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



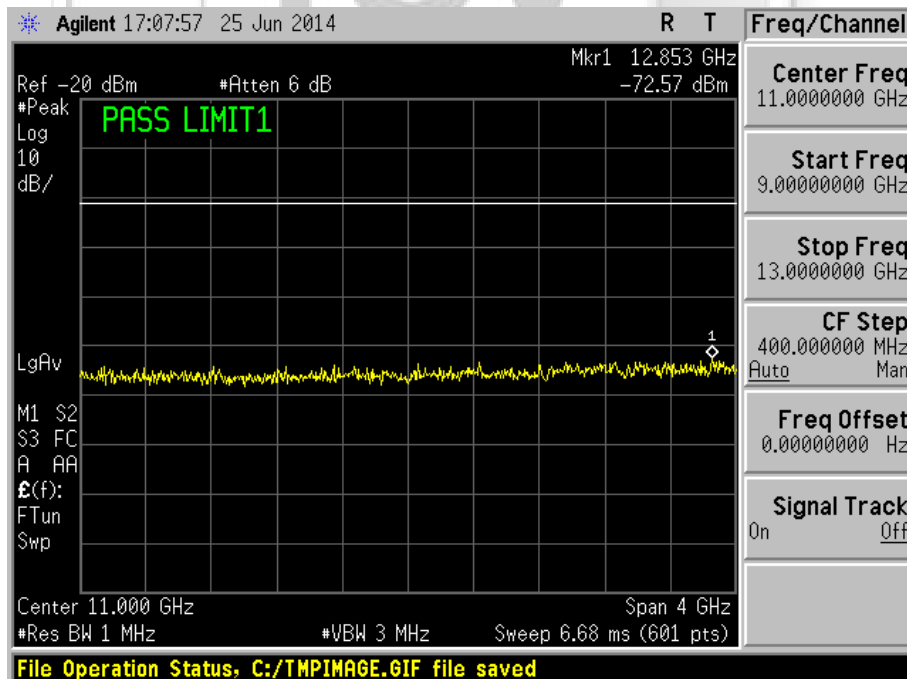
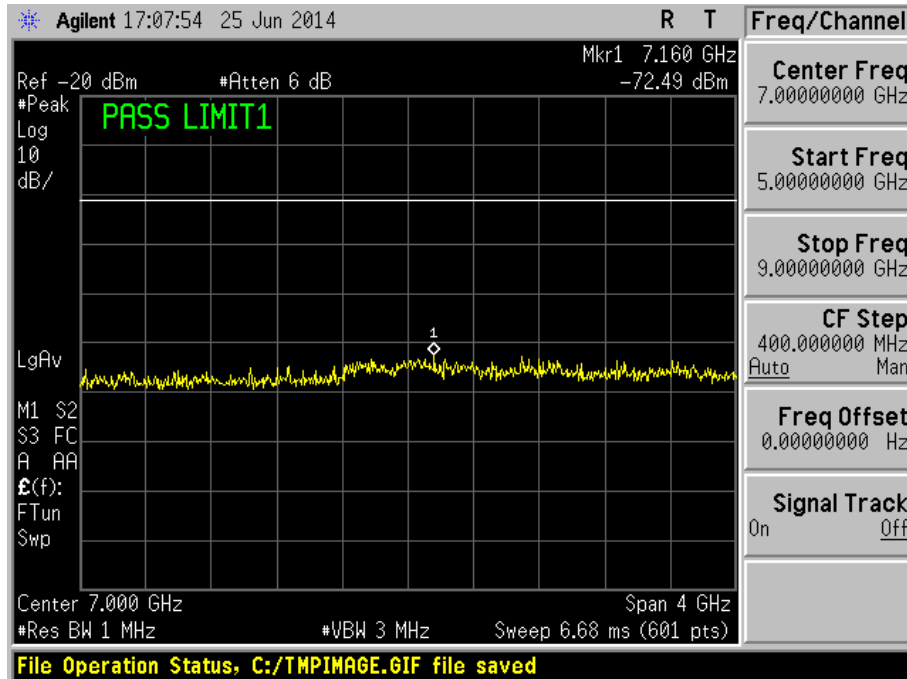
Plot 1668 – Channel 11 (upper ch) @ 64QAM 54Mbps



Plot 1669 – Channel 11 (upper ch) @ 64QAM 54Mbps

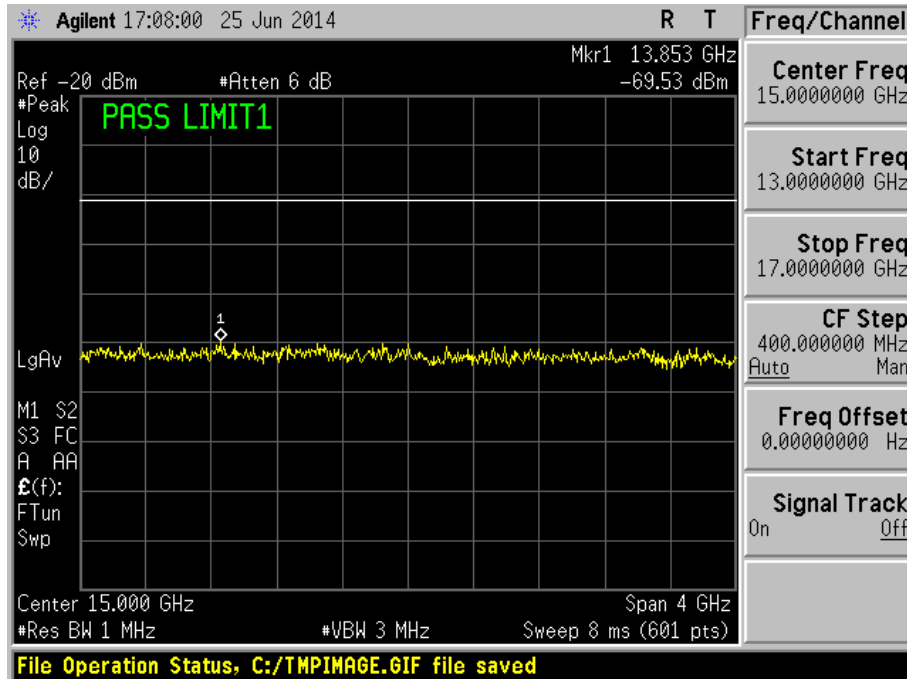
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

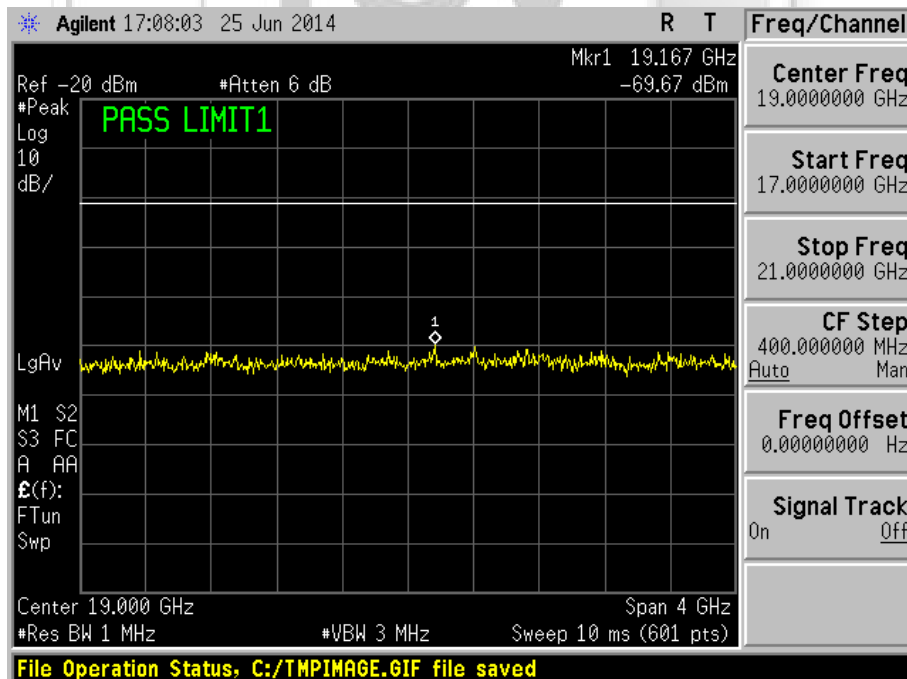


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g



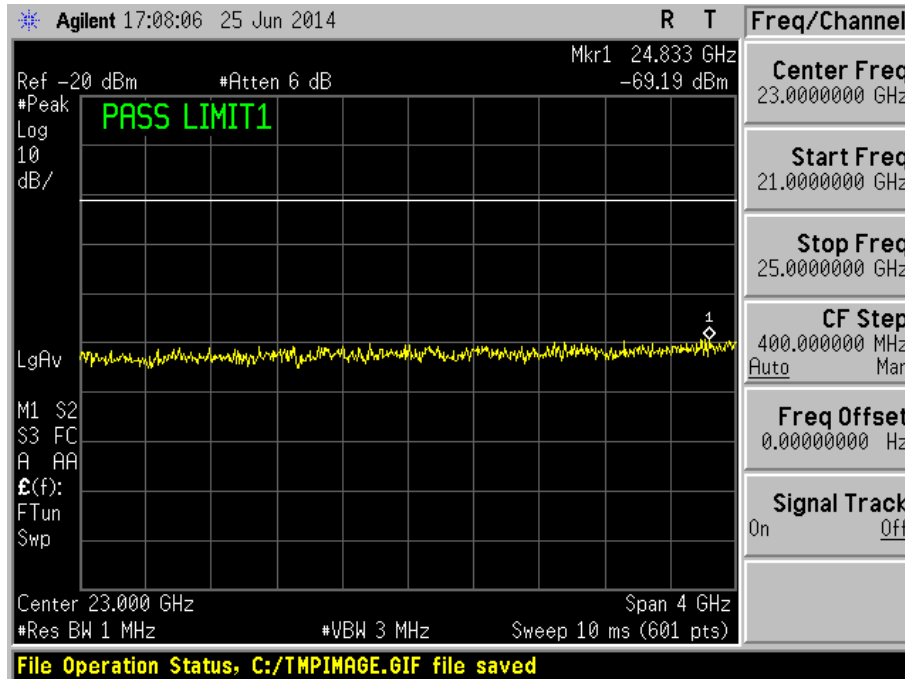
Plot 1672 – Channel 11 (upper ch) @ 64QAM 54Mbps



Plot 1673 – Channel 11 (upper ch) @ 64QAM 54Mbps

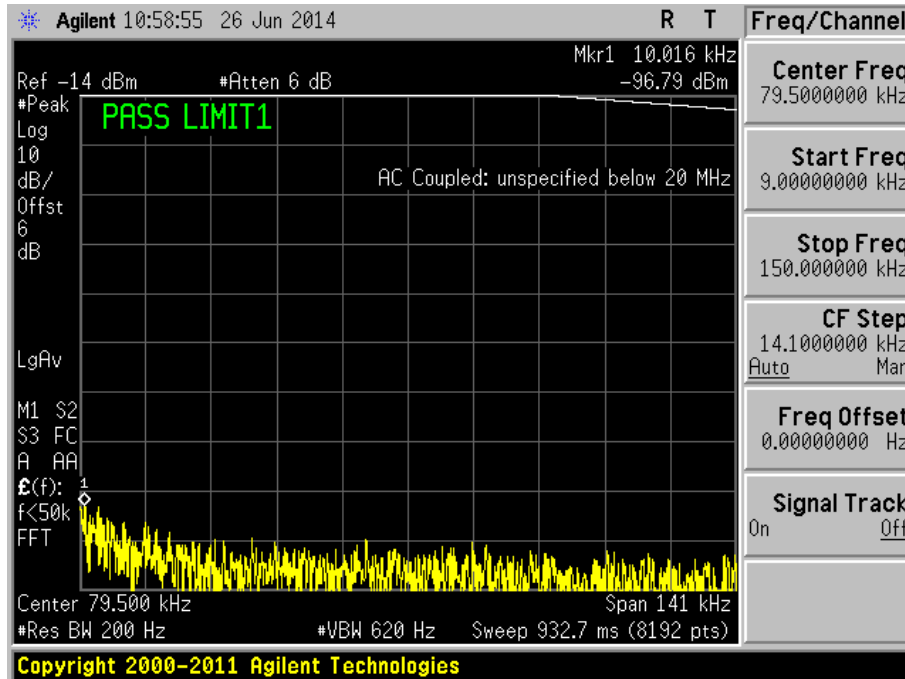
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11g

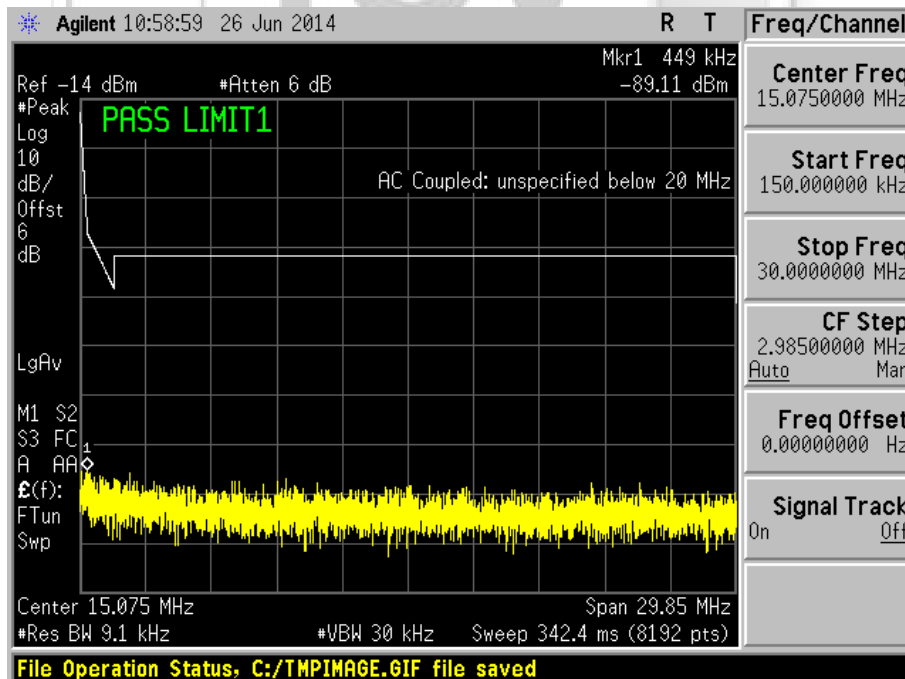


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



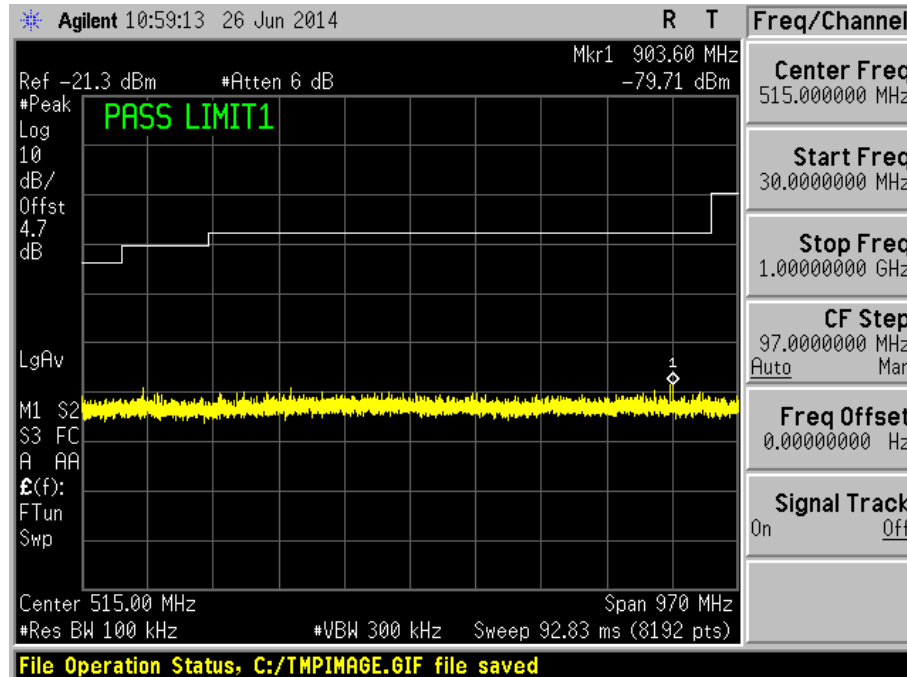
Plot 1675 – Channel 1 (lower ch) @ BPSK 13Mbps



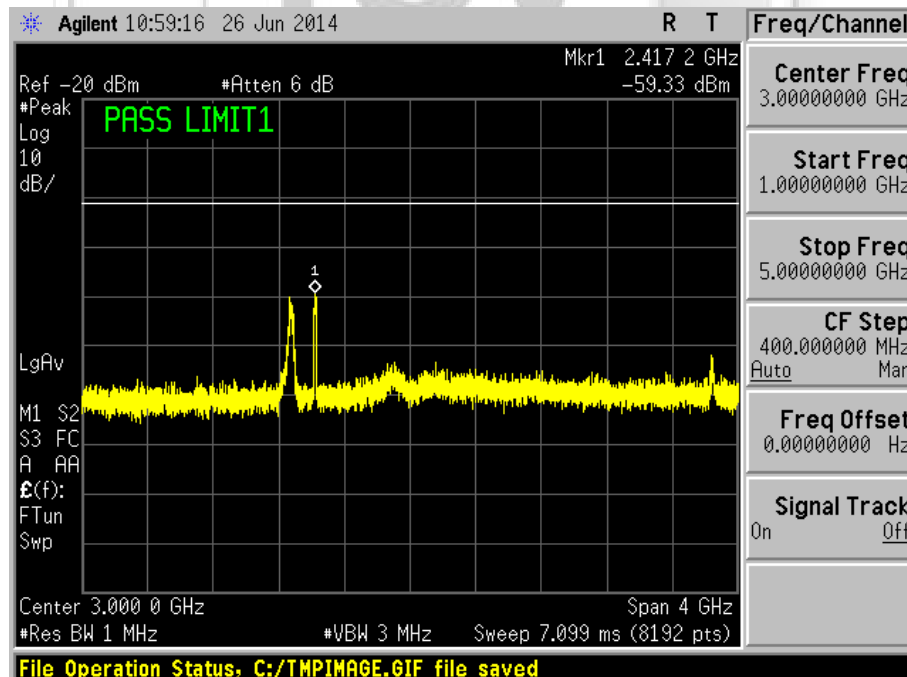
Plot 1676 – Channel 1 (lower ch) @ BPSK 13Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



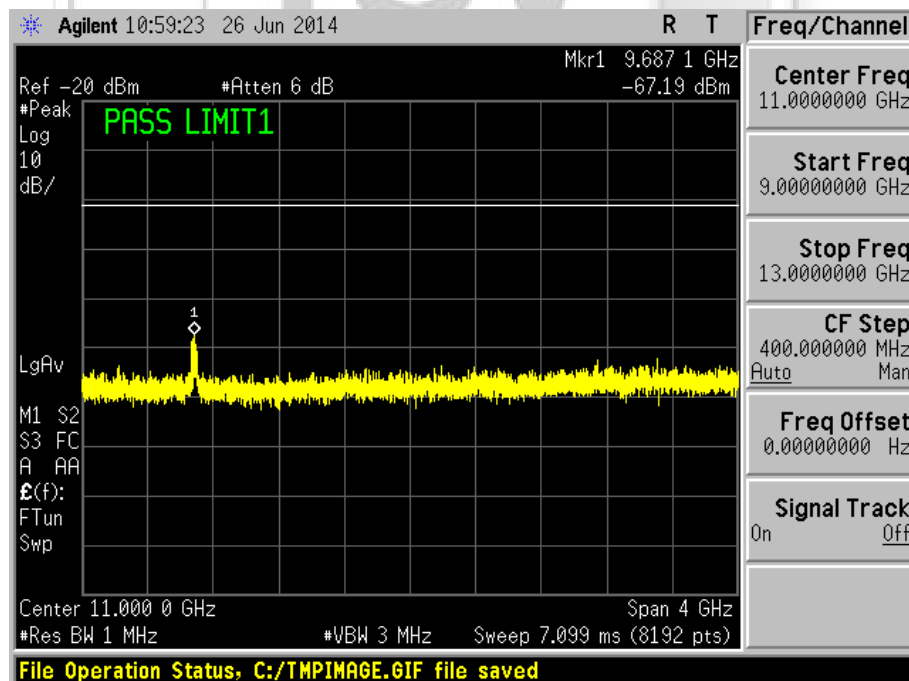
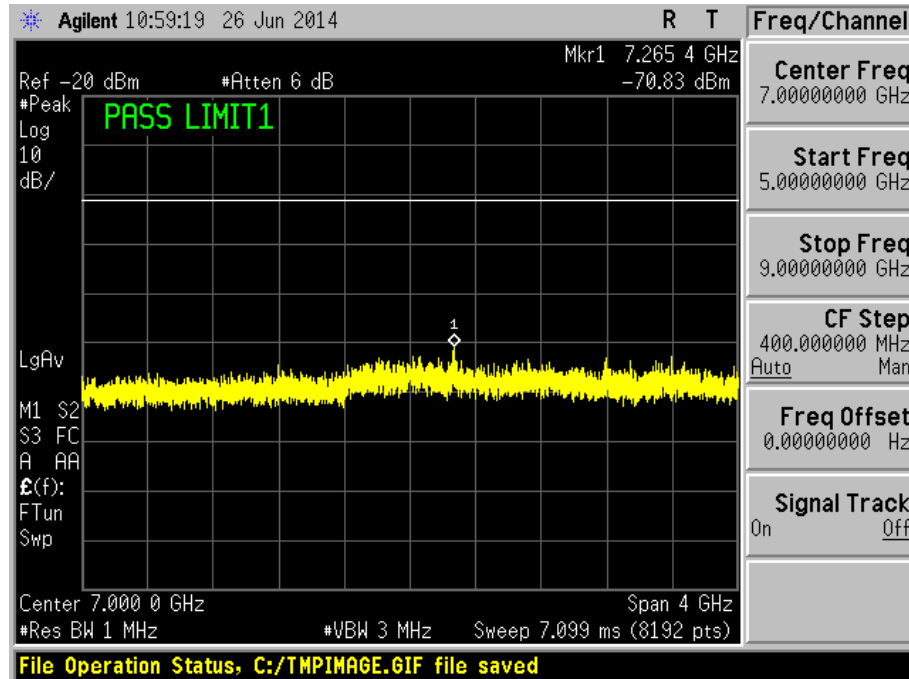
Plot 1677 – Channel 1 (lower ch) @ BPSK 13Mbps



Plot 1678 – Channel 1 (lower ch) @ BPSK 13Mbps

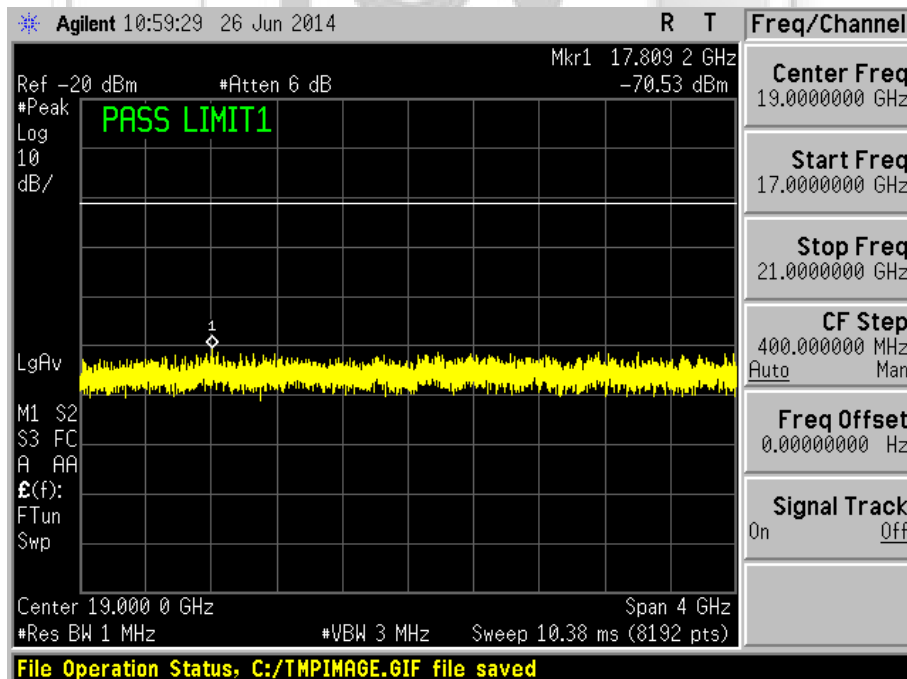
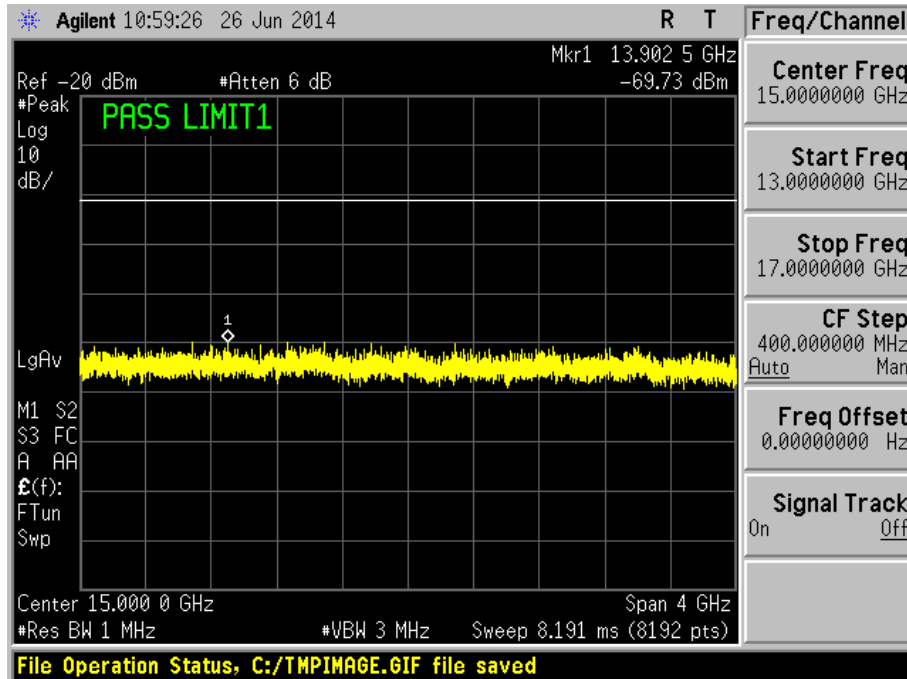
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



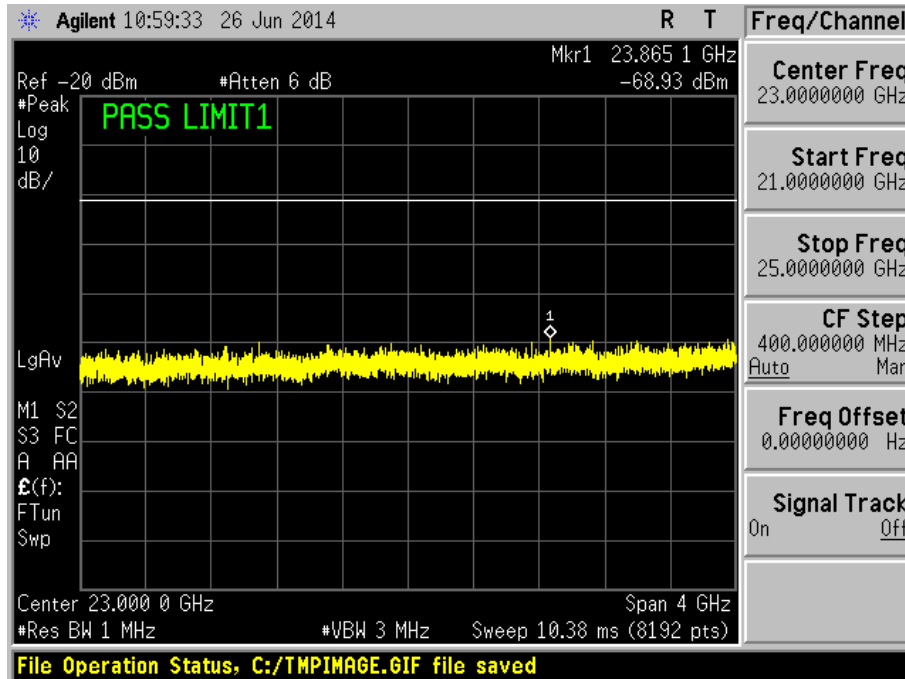
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

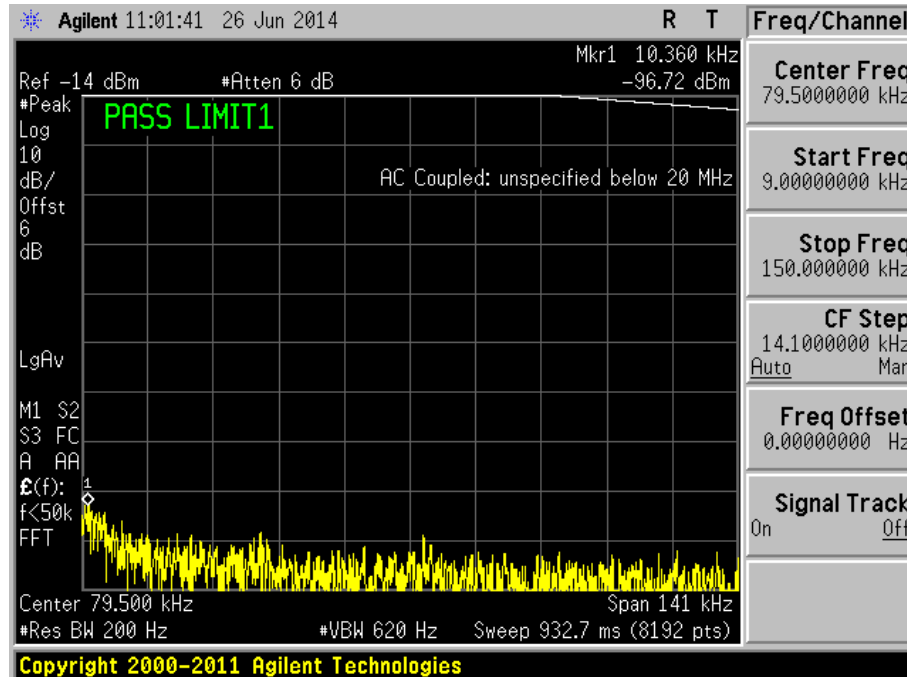
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



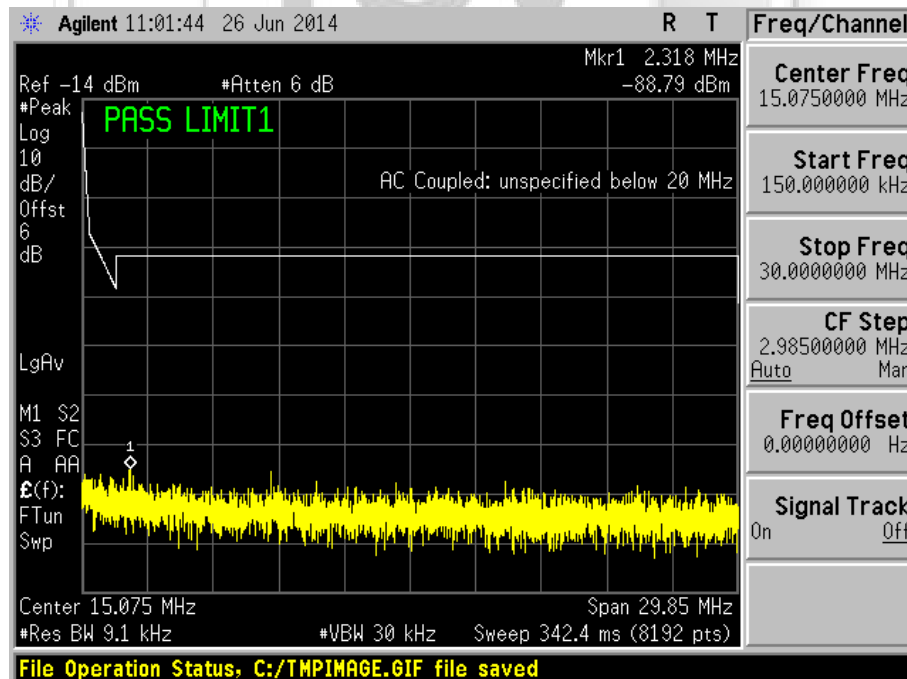
Plot 1683 – Channel 1 (lower ch) @ BPSK 13Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



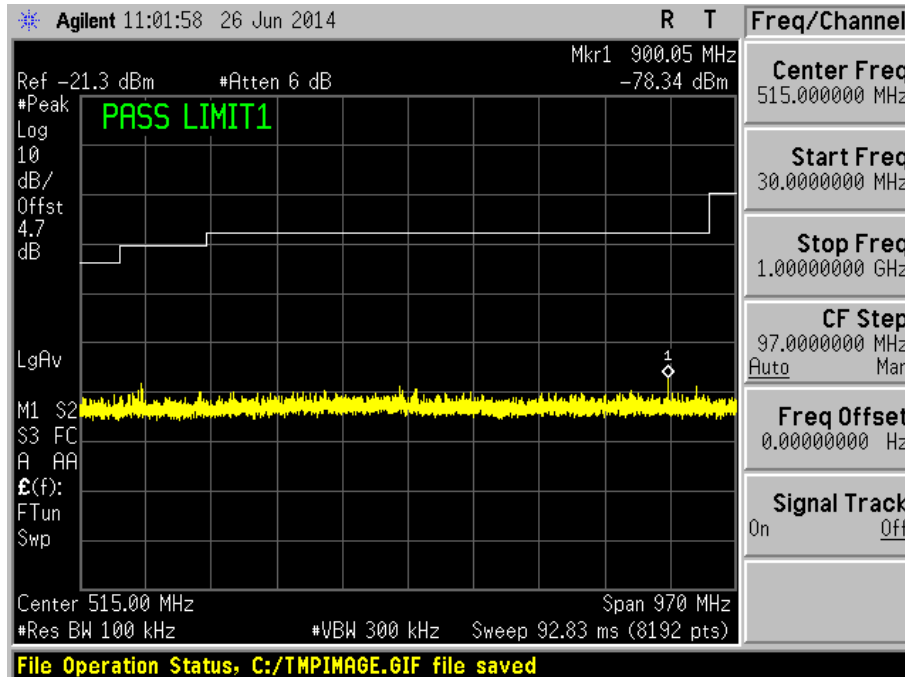
Plot 1684 – Channel 1 (lower ch) @ QPSK 39Mbps



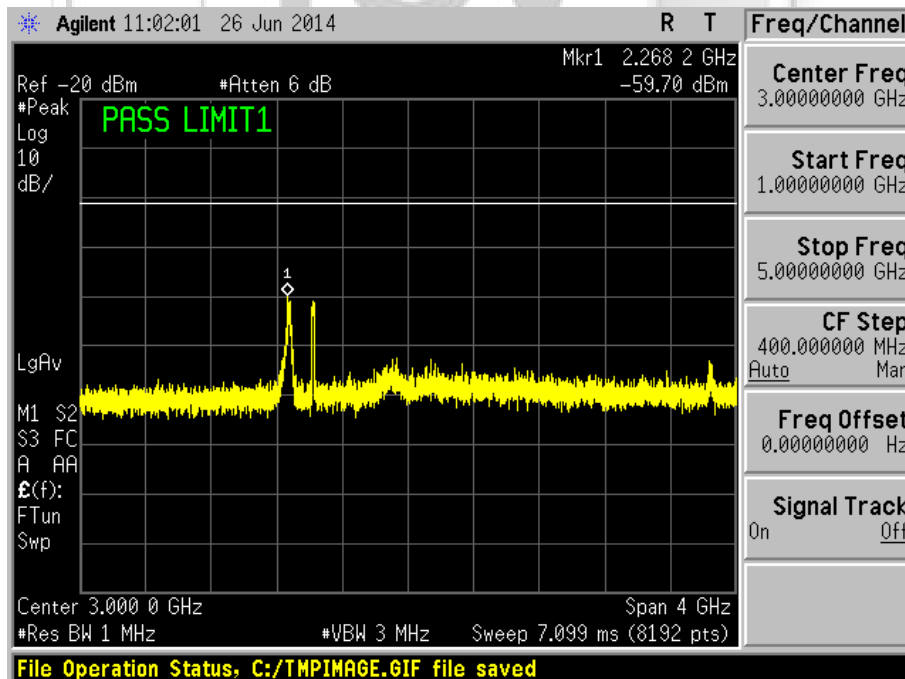
Plot 1685 – Channel 1 (lower ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



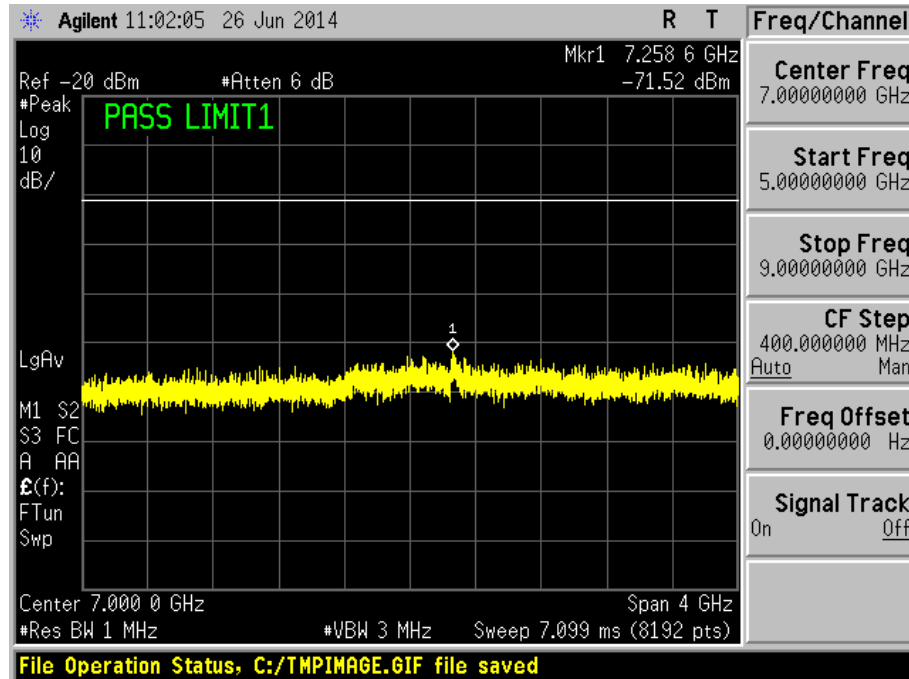
Plot 1686 – Channel 1 (lower ch) @ QPSK 39Mbps



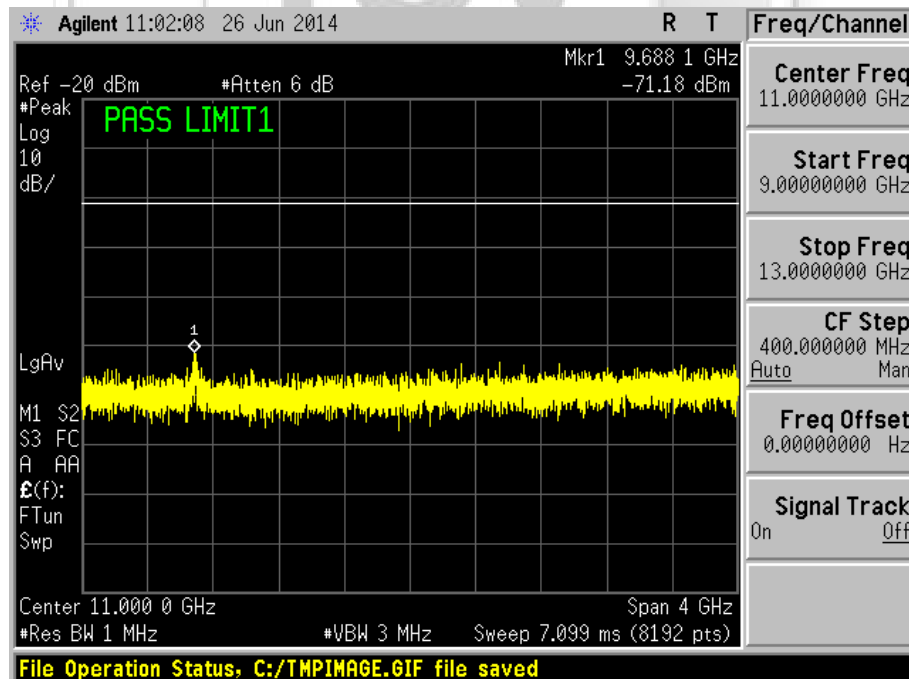
Plot 1687 – Channel 1 (lower ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



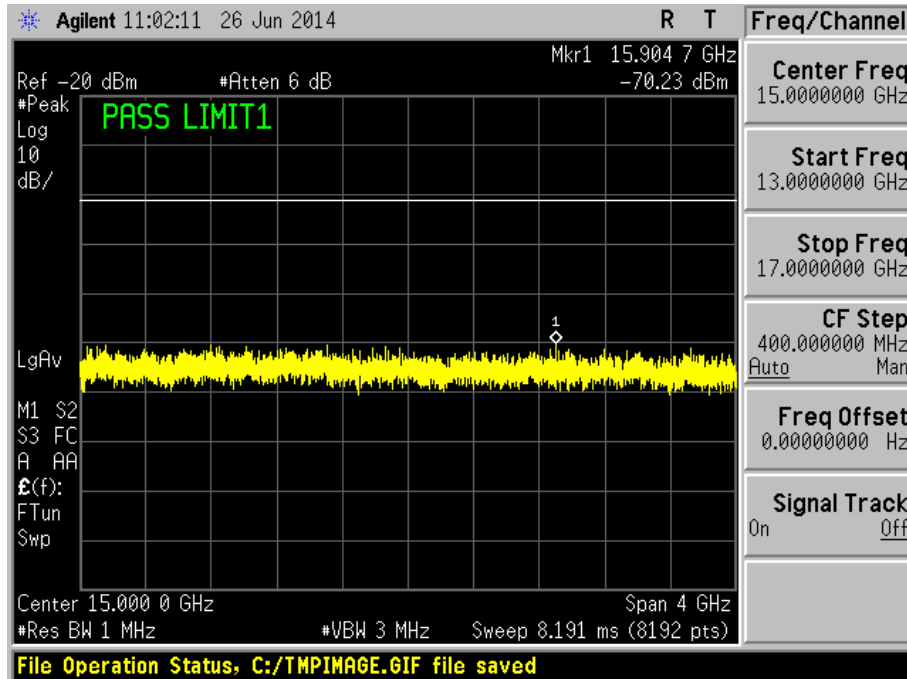
Plot 1688 – Channel 1 (lower ch) @ QPSK 39Mbps



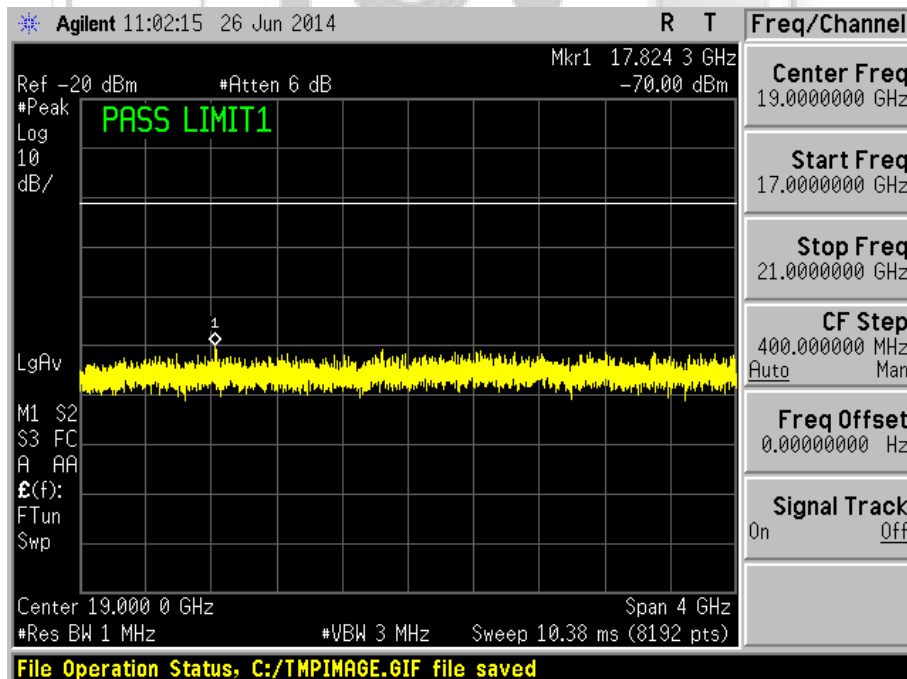
Plot 1689 – Channel 1 (lower ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



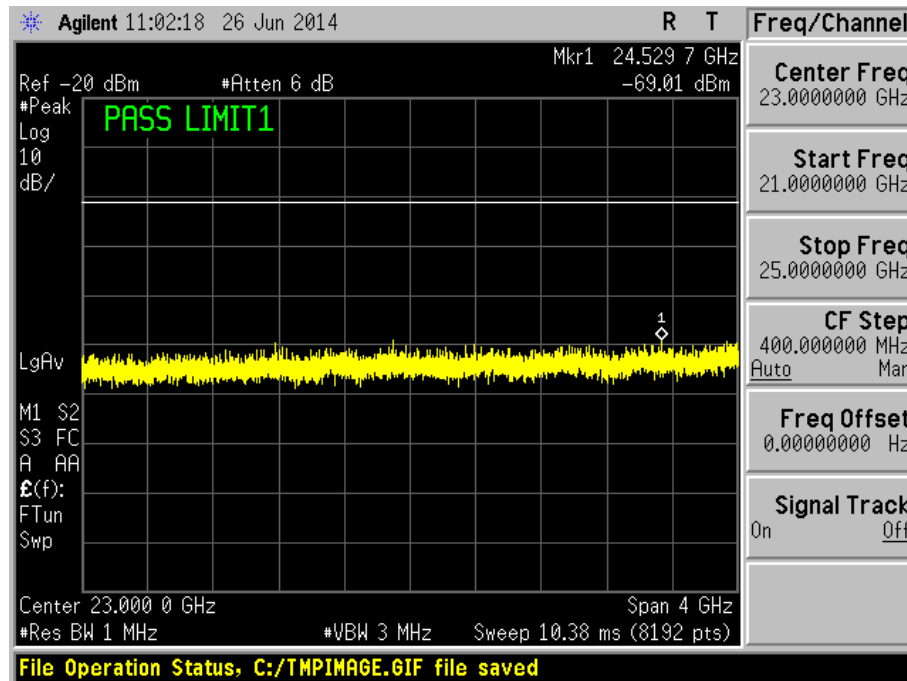
Plot 1690 – Channel 1 (lower ch) @ QPSK 39Mbps



Plot 1691 – Channel 1 (lower ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

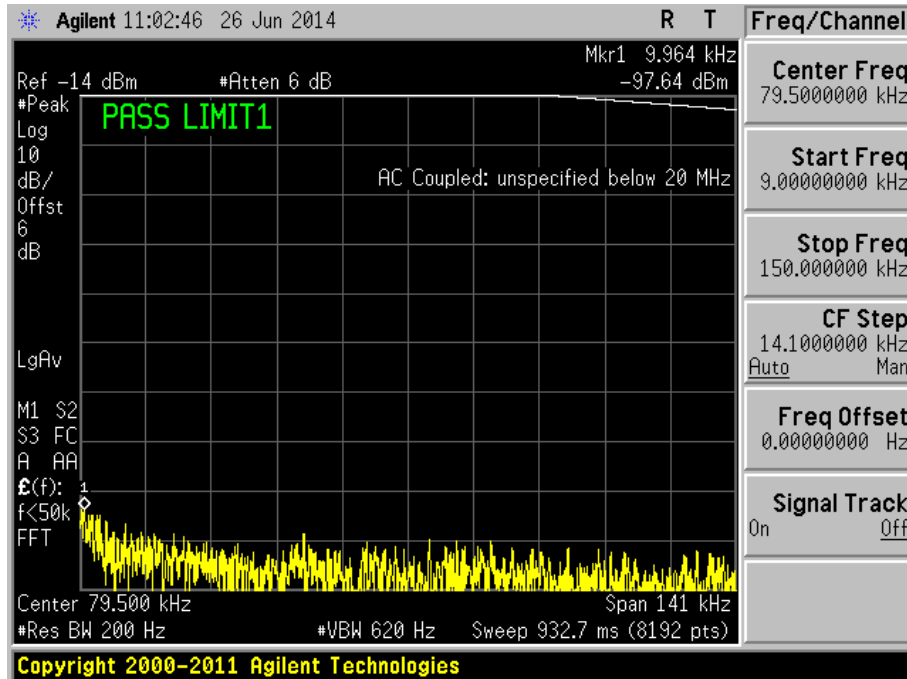
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



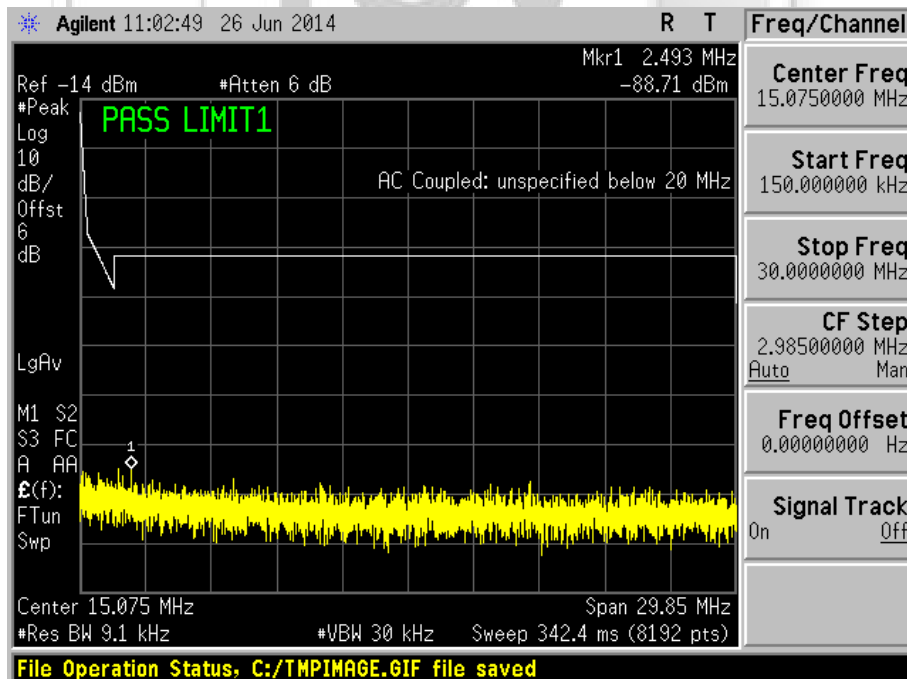
Plot 1692 – Channel 1 (lower ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



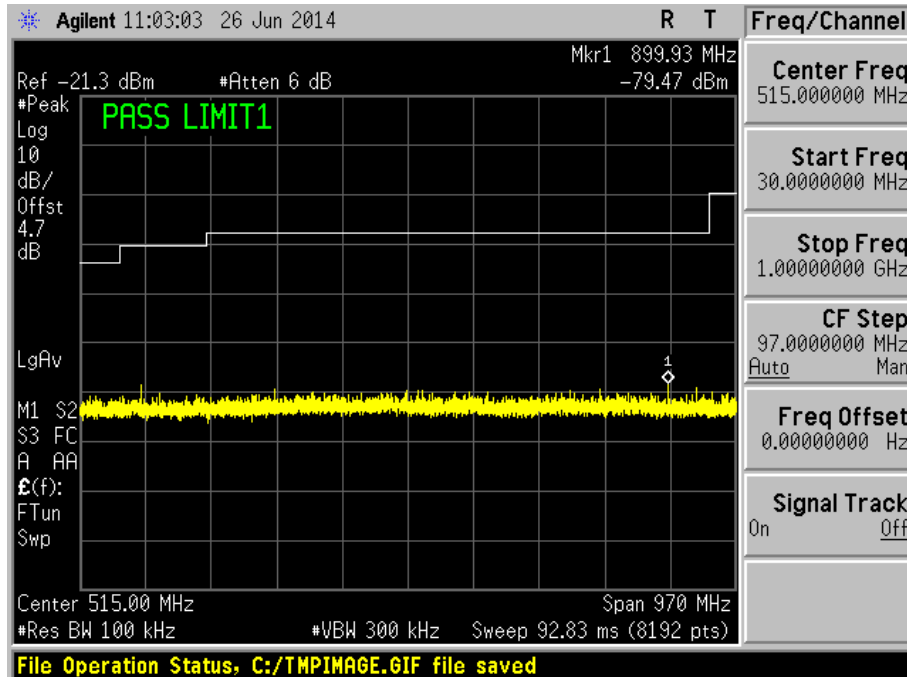
Plot 1693 – Channel 1 (lower ch) @ 16QAM 78Mbps



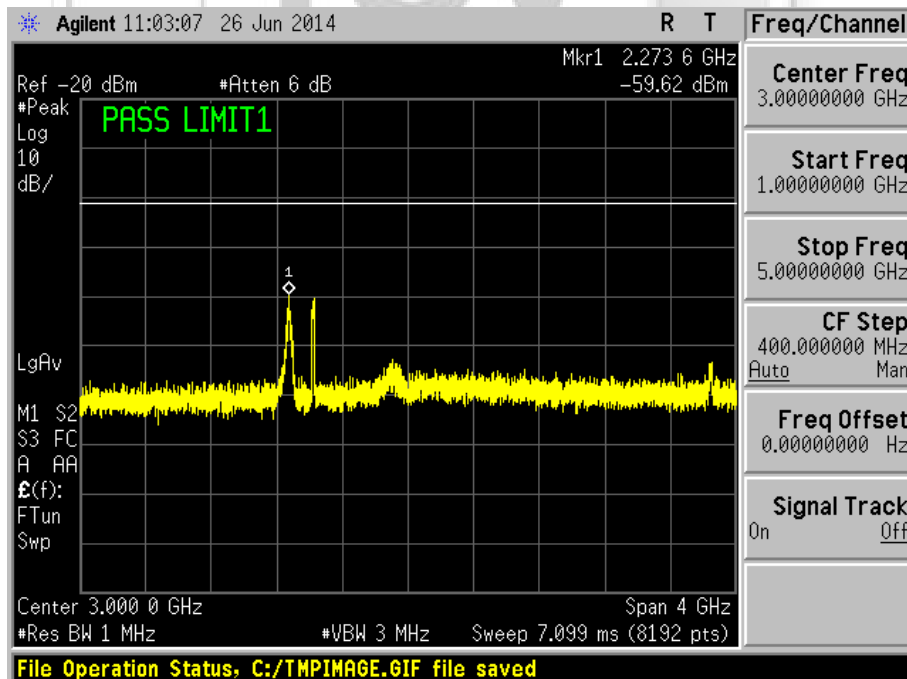
Plot 1694 – Channel 1 (lower ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



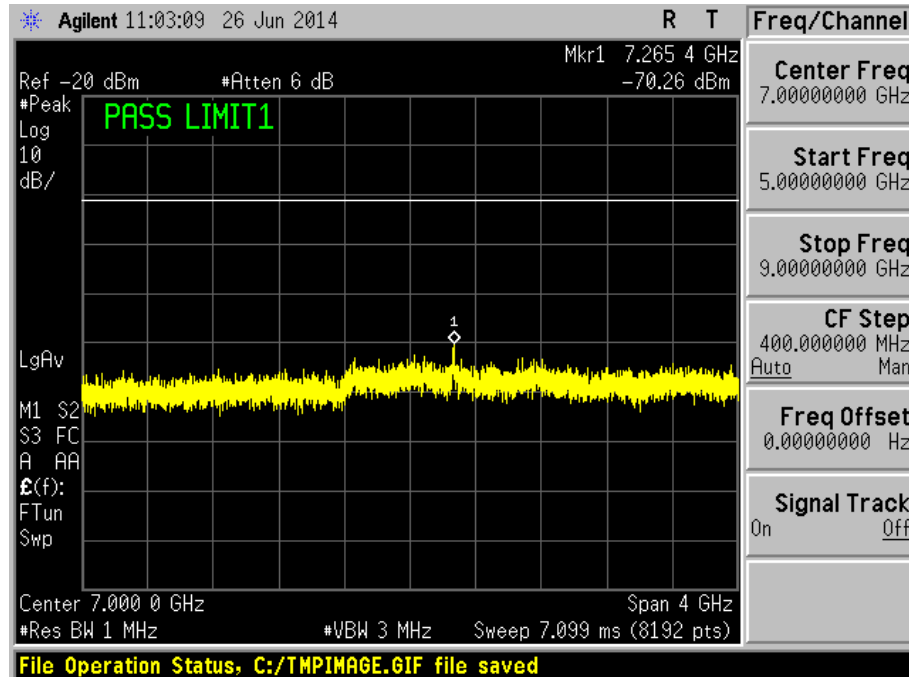
Plot 1695 – Channel 1 (lower ch) @ 16QAM 78Mbps



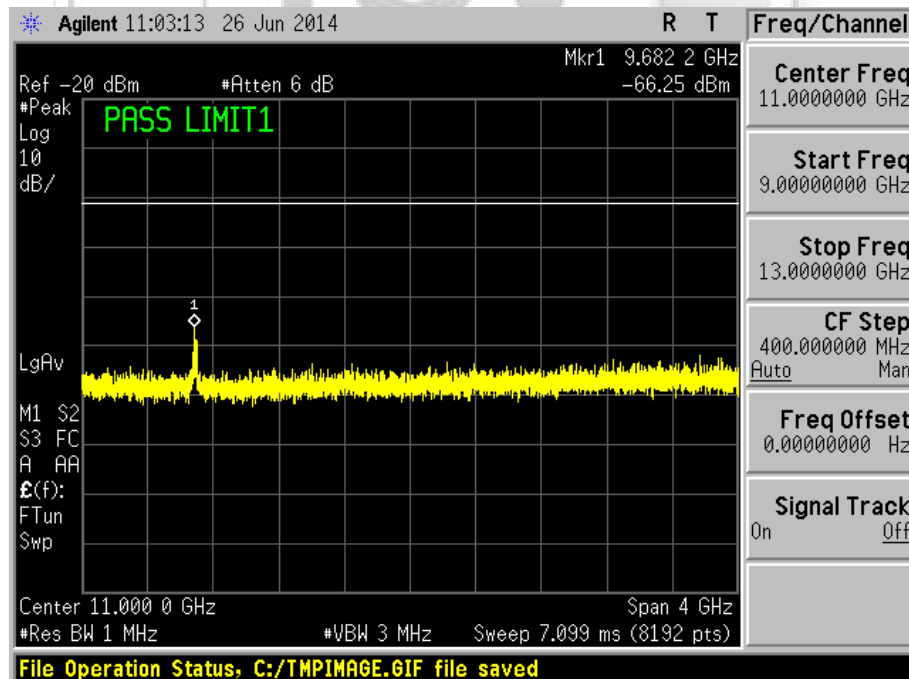
Plot 1696 – Channel 1 (lower ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



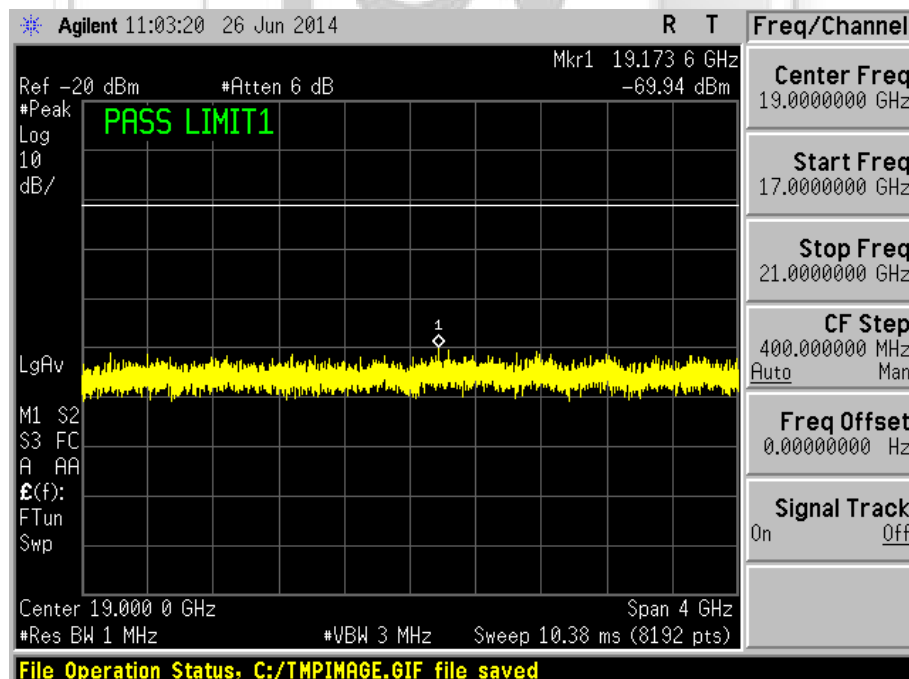
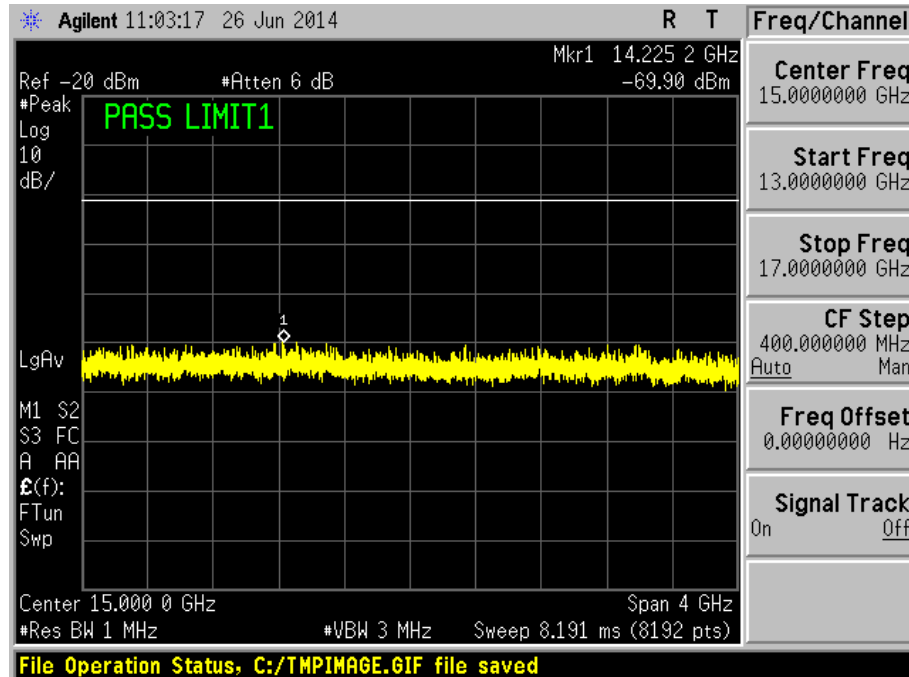
Plot 1697 – Channel 1 (lower ch) @ 16QAM 78Mbps



Plot 1698 – Channel 1 (lower ch) @ 16QAM 78Mbps

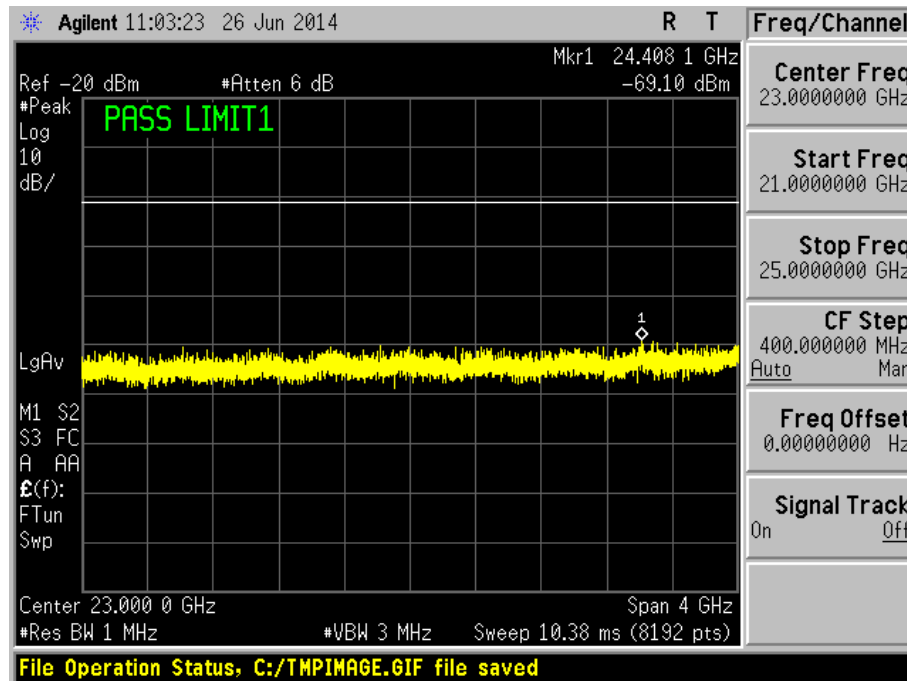
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

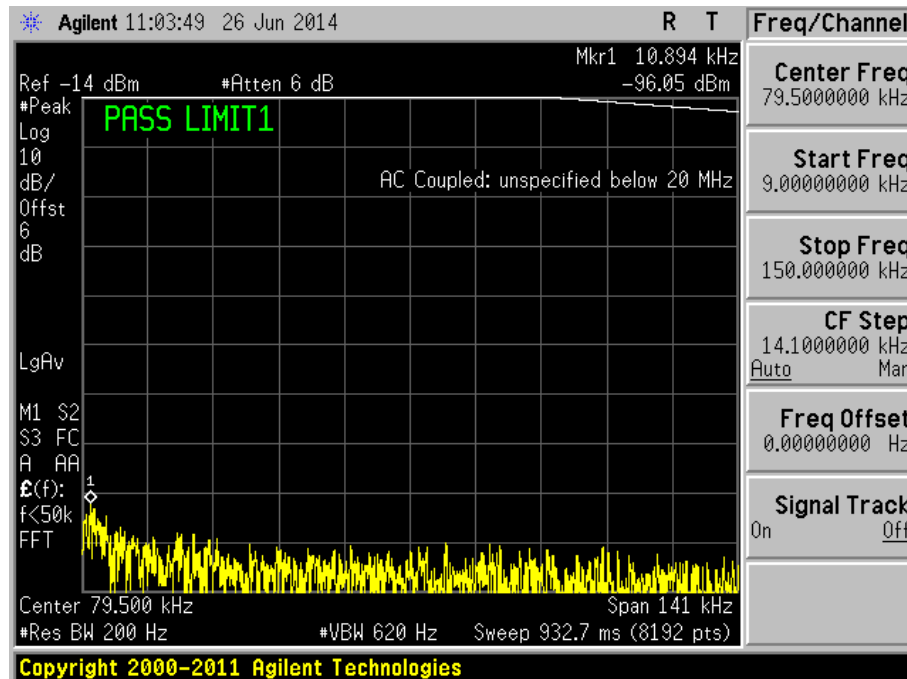
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



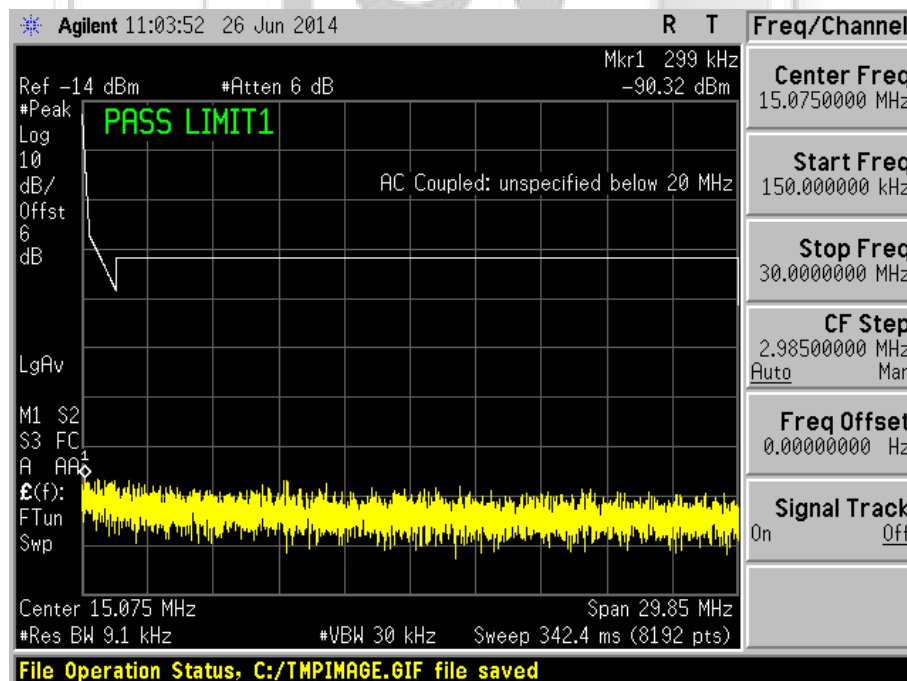
Plot 1701 – Channel 1 (lower ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



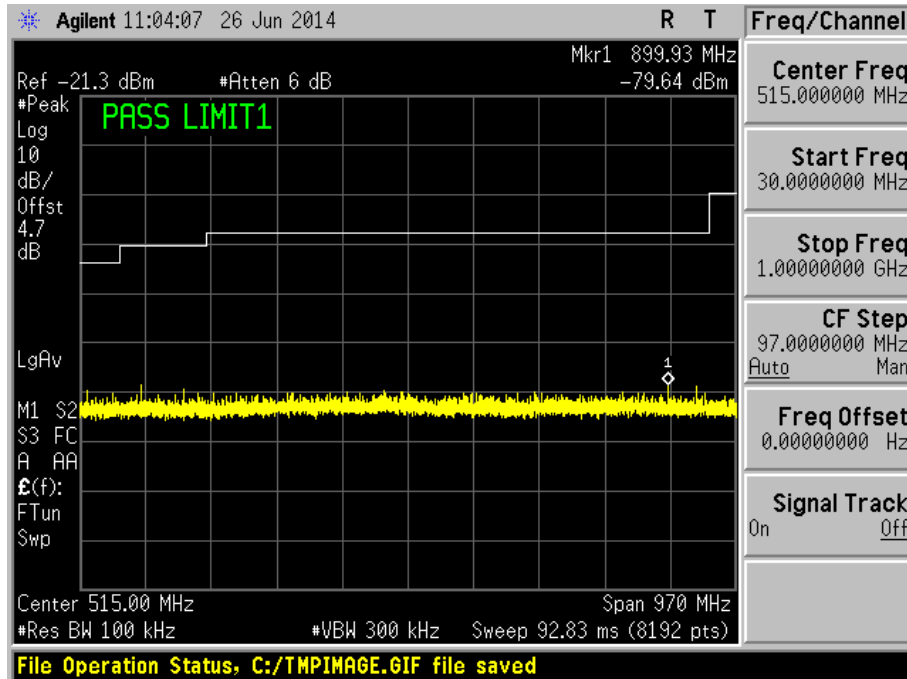
Plot 1702 – Channel 1 (lower ch) @ 64QAM 130Mbps



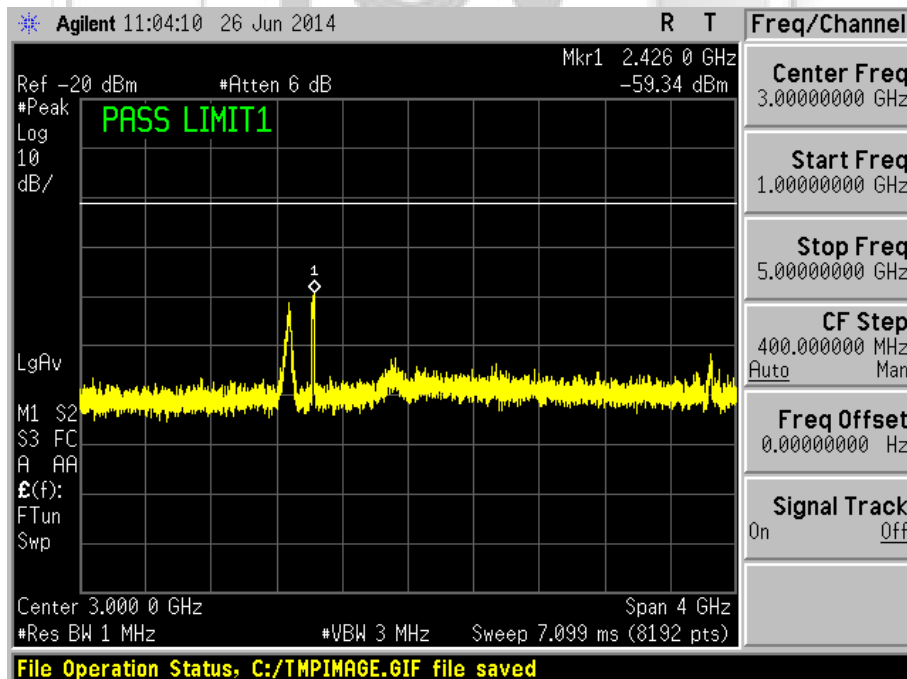
Plot 1703 – Channel 1 (lower ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



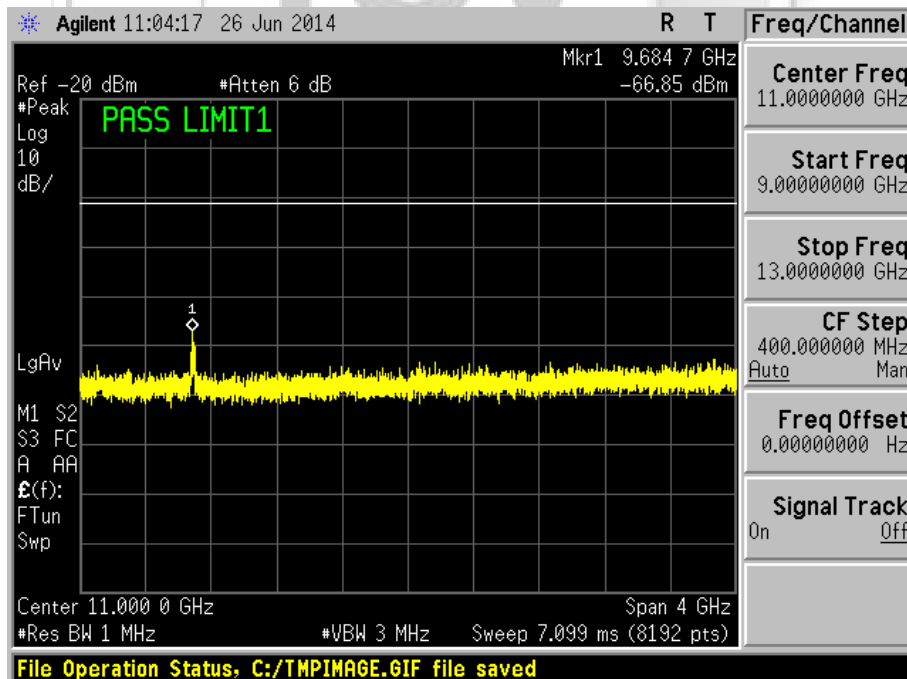
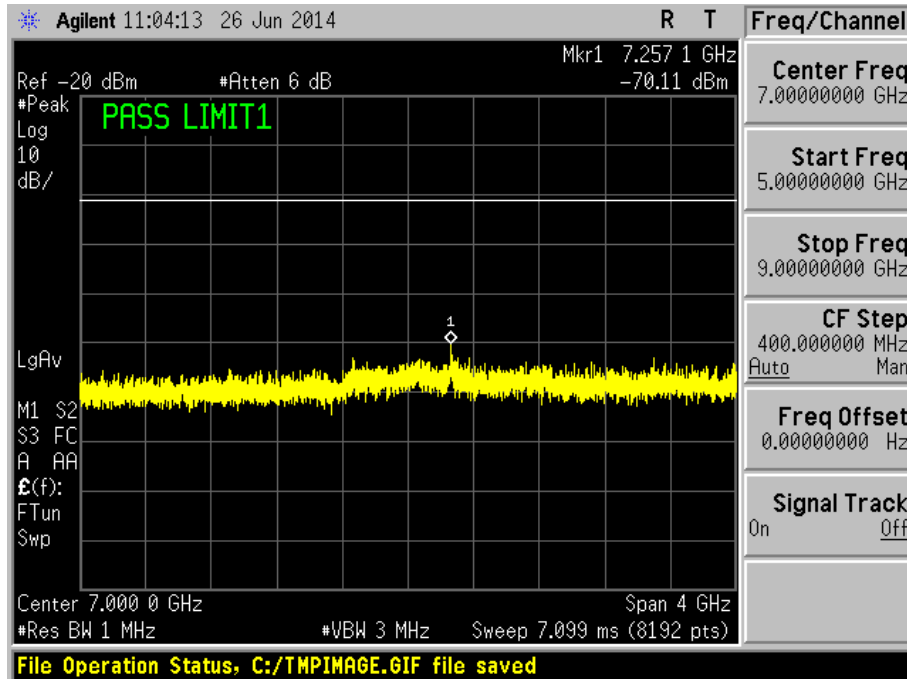
Plot 1704 – Channel 1 (lower ch) @ 64QAM 130Mbps



Plot 1705 – Channel 1 (lower ch) @ 64QAM 130Mbps

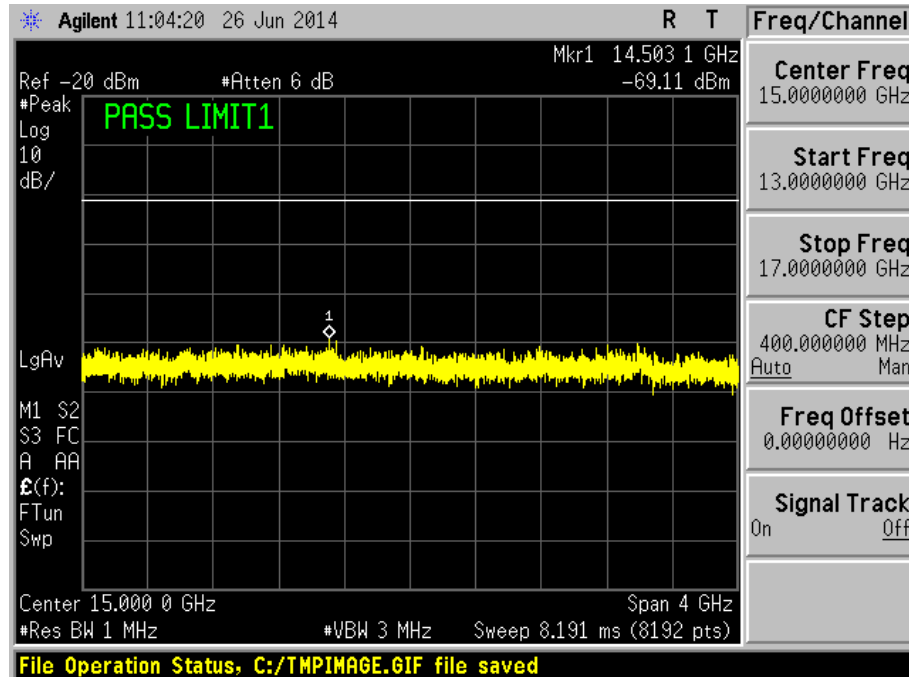
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)

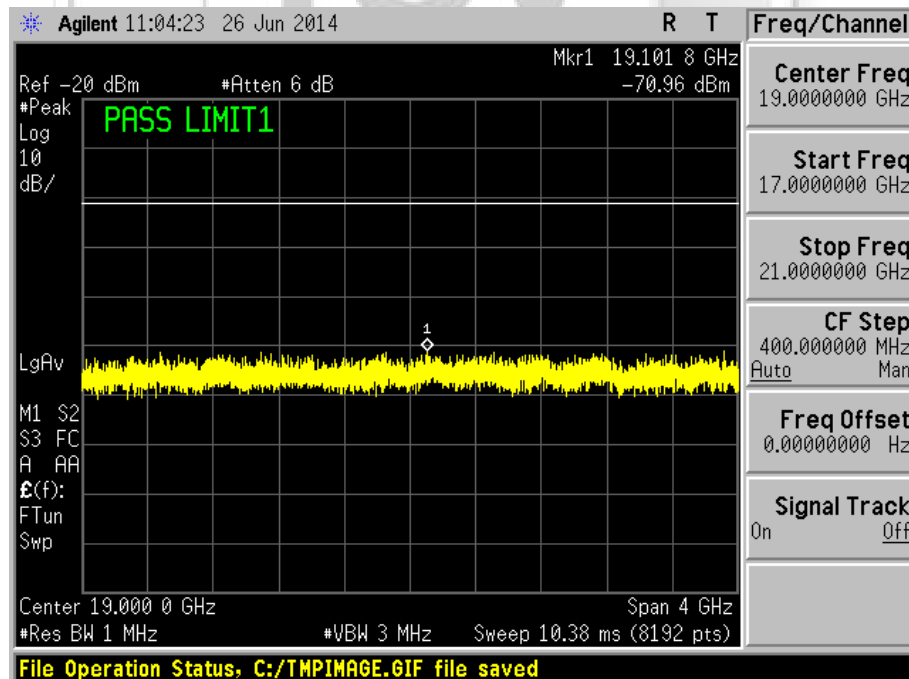


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



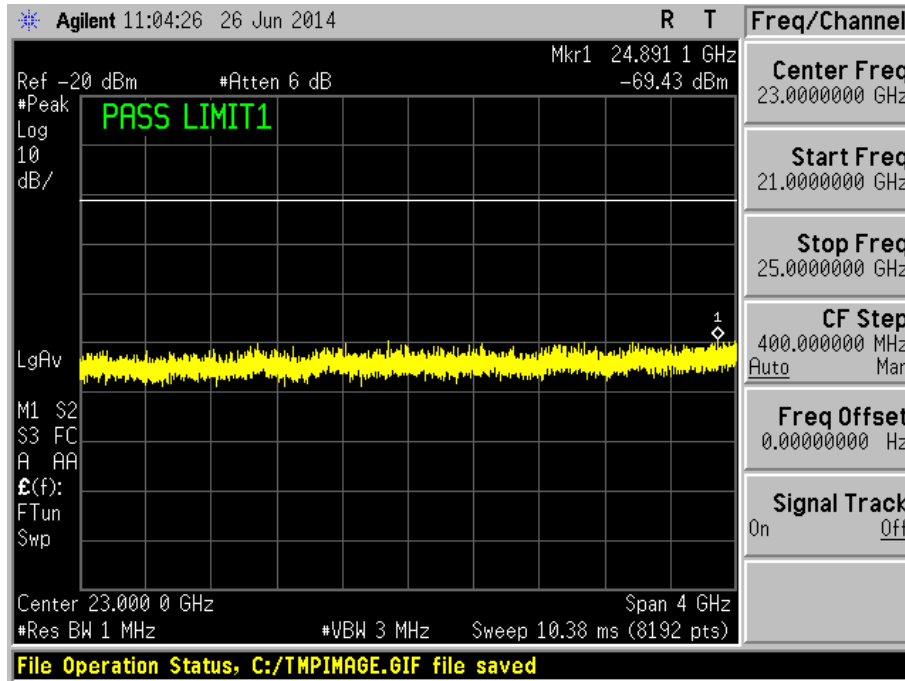
Plot 1708 – Channel 1 (lower ch) @ 64QAM 130Mbps



Plot 1709 – Channel 1 (lower ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

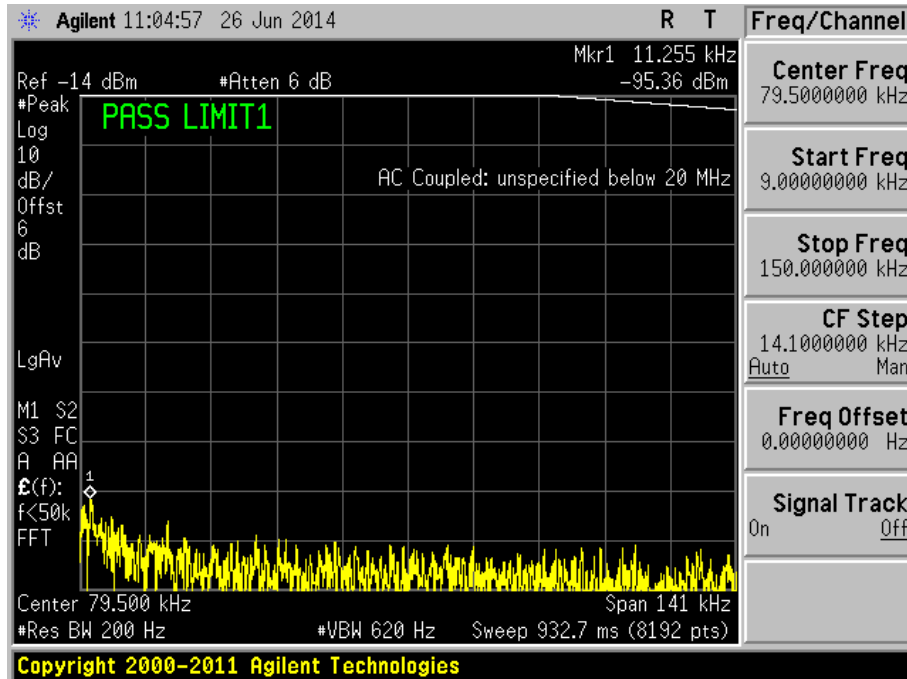
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



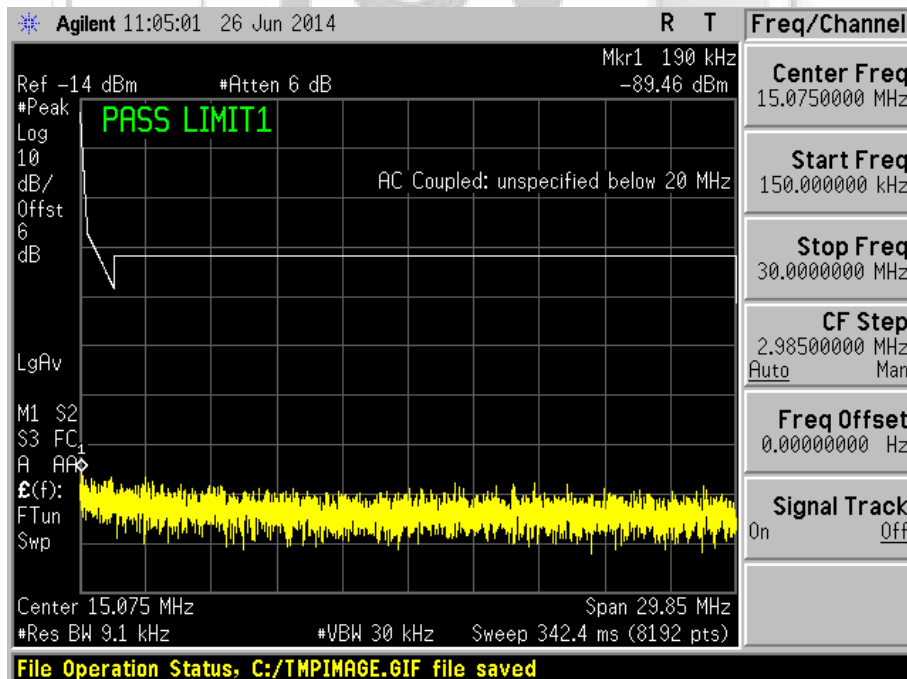
Plot 1710 – Channel 1 (lower ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



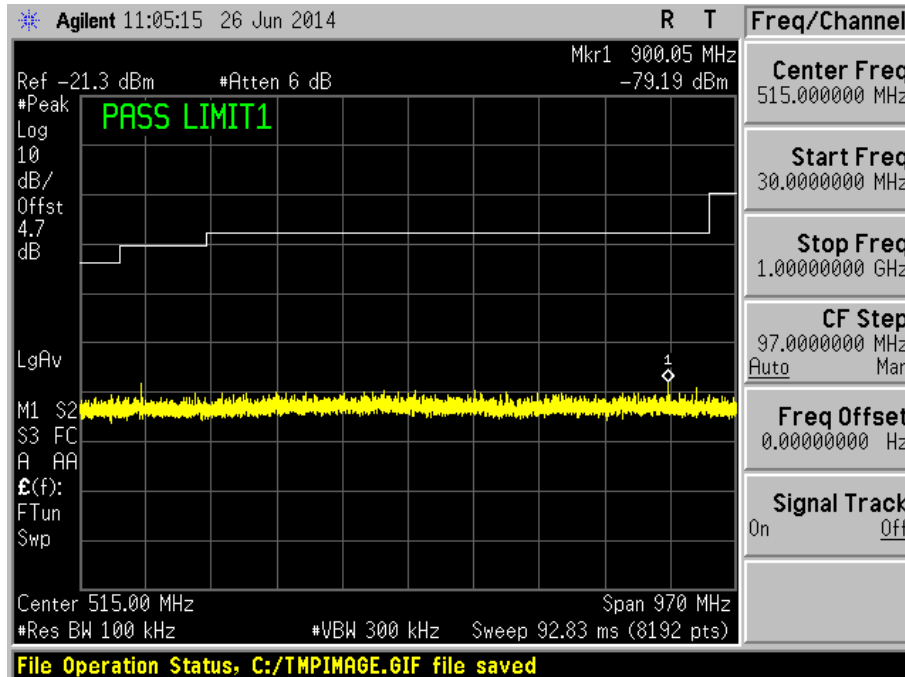
Plot 1711 – Channel 6 (middle ch) @ BPSK 13Mbps



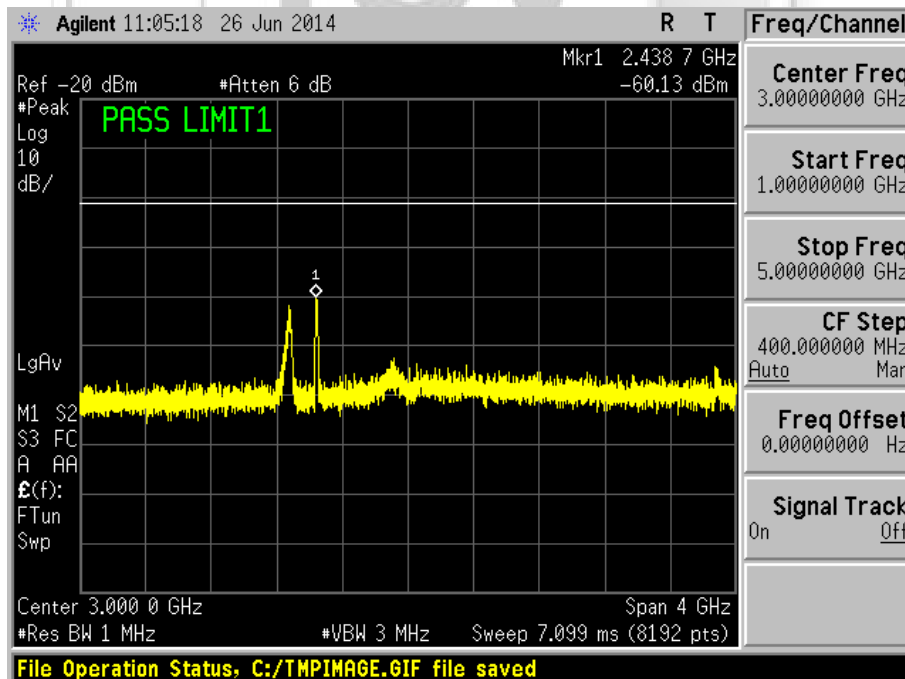
Plot 1712 – Channel 6 (middle ch) @ BPSK 13Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



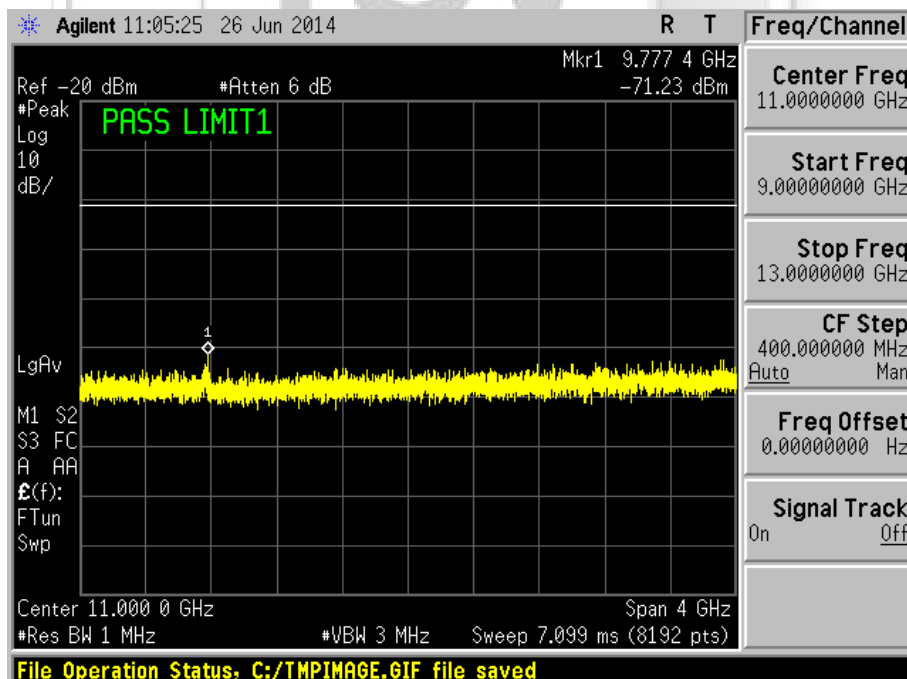
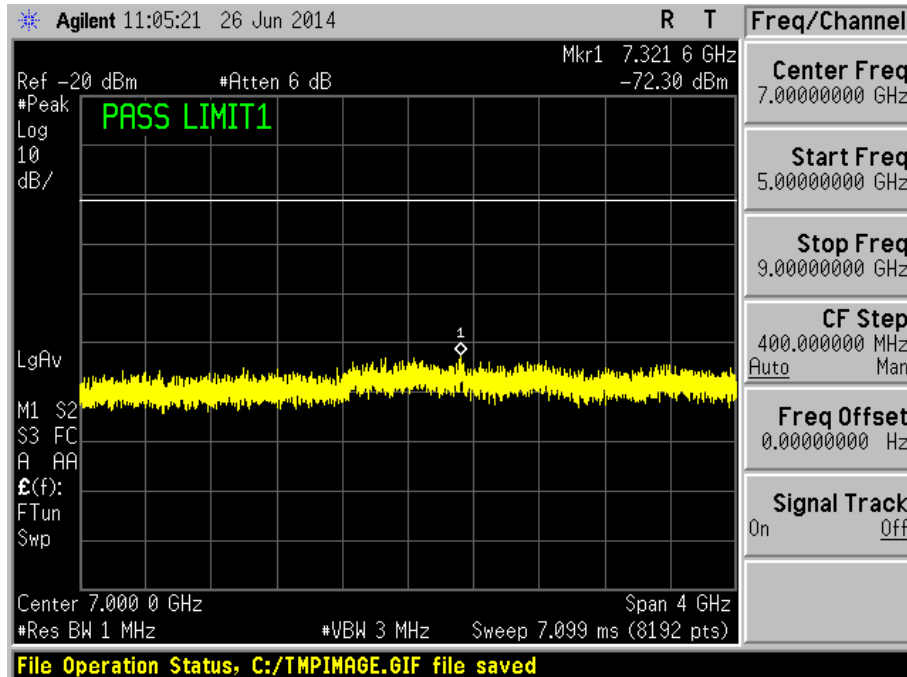
Plot 1713 – Channel 6 (middle ch) @ BPSK 13Mbps



Plot 1714 – Channel 6 (middle ch) @ BPSK 13Mbps

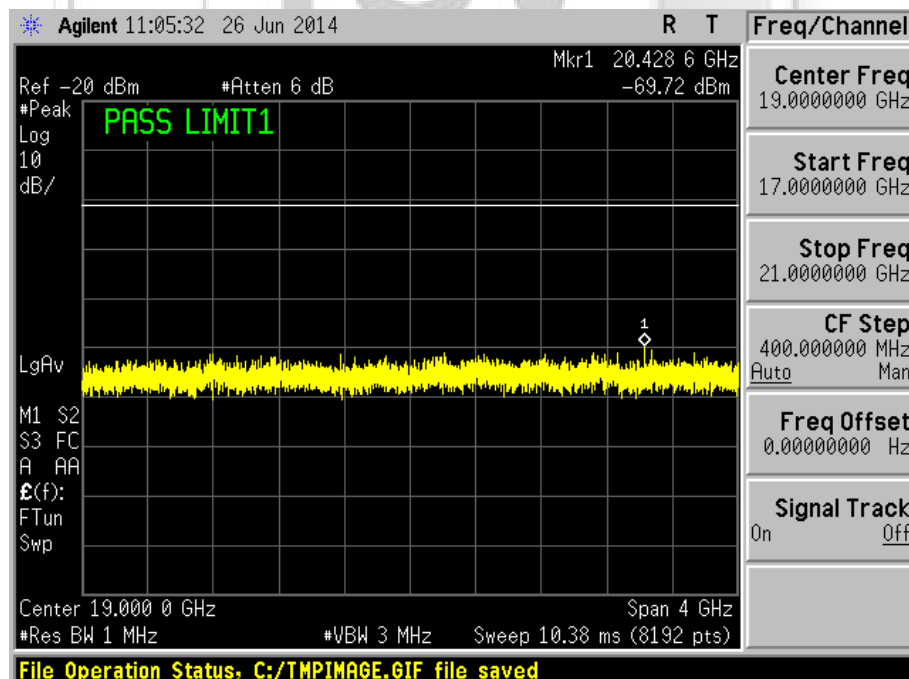
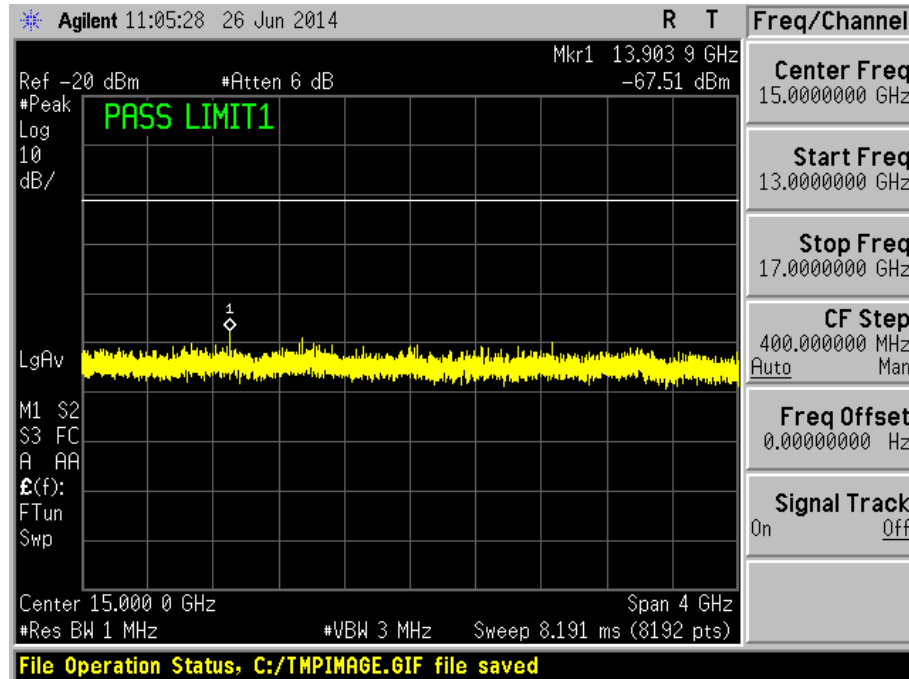
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



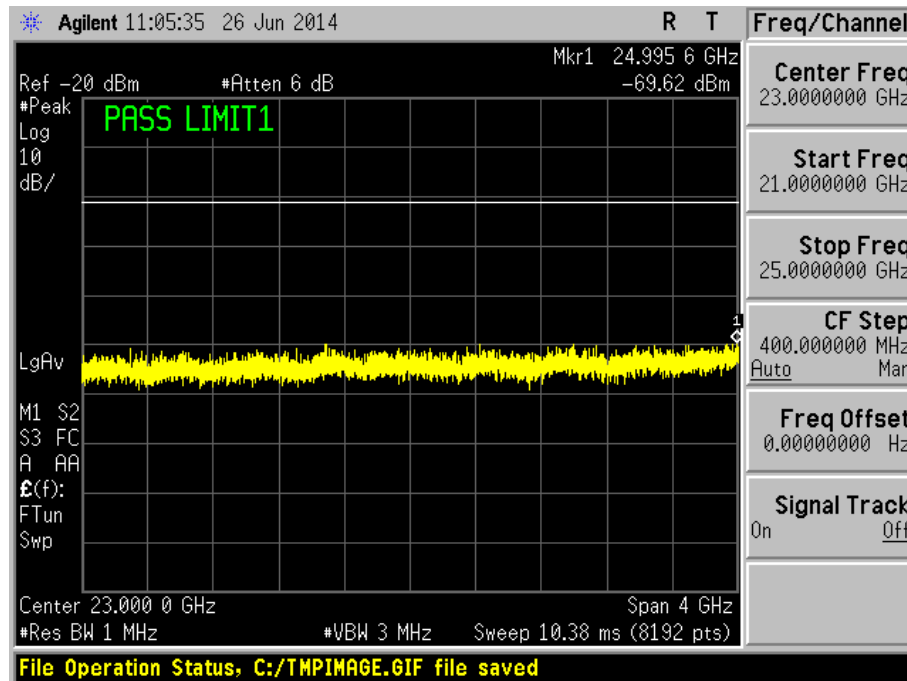
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

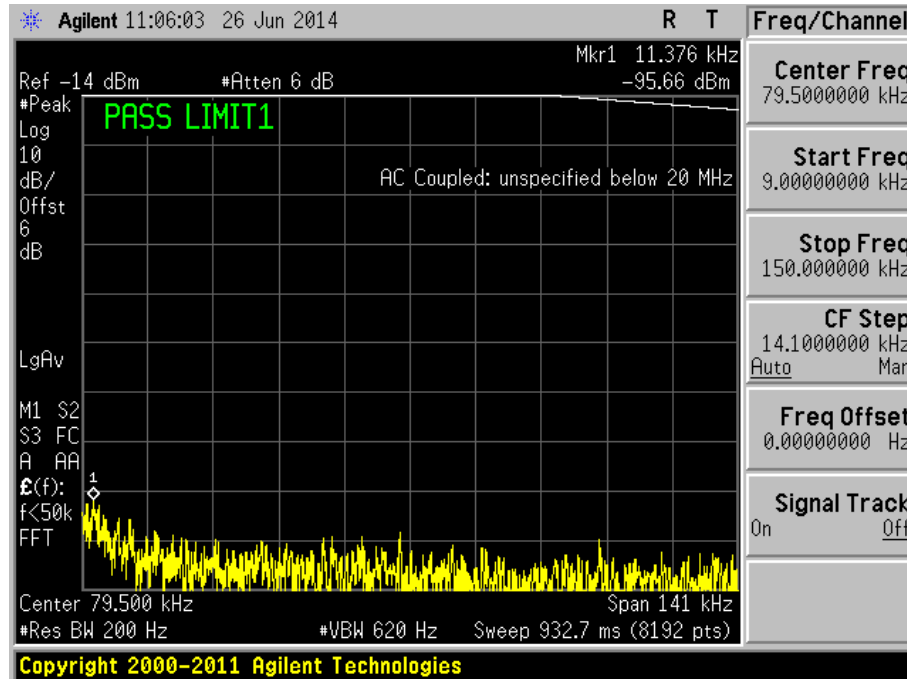
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



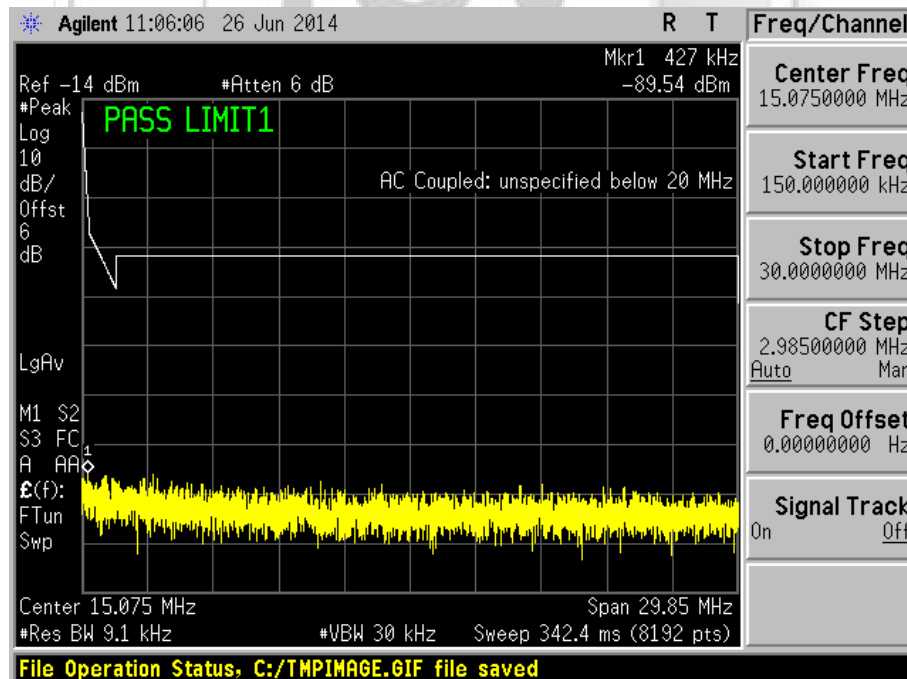
Plot 1719 – Channel 6 (middle ch) @ BPSK 13Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



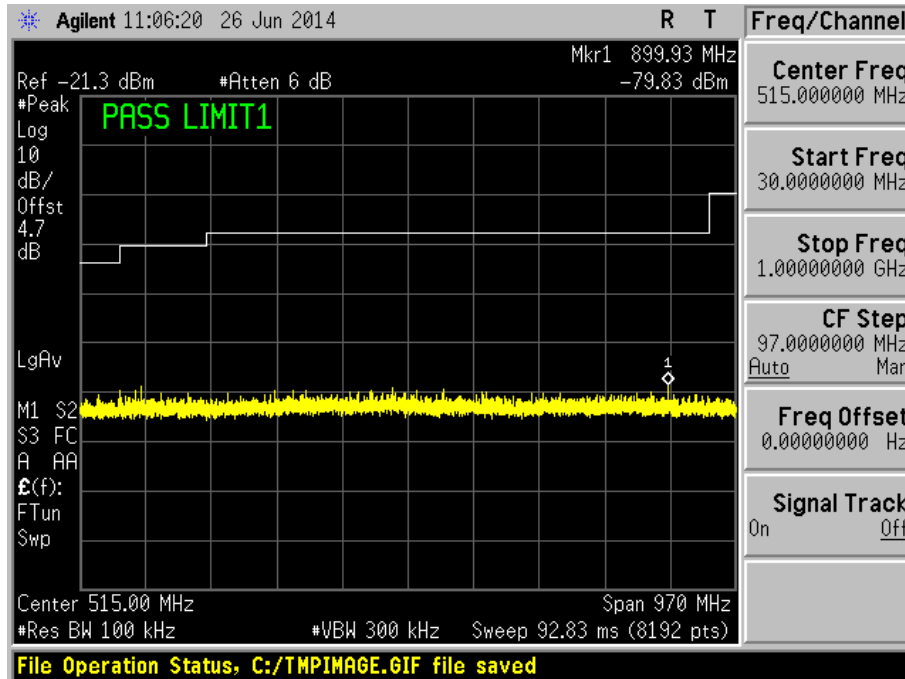
Plot 1720 – Channel 6 (middle ch) @ QPSK 39Mbps



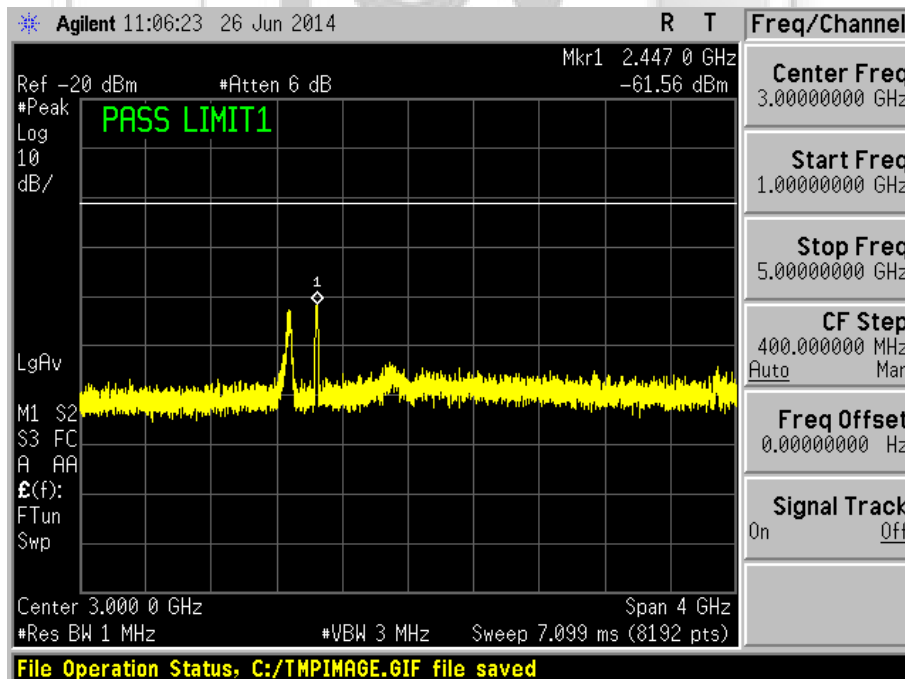
Plot 1721 – Channel 6 (middle ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



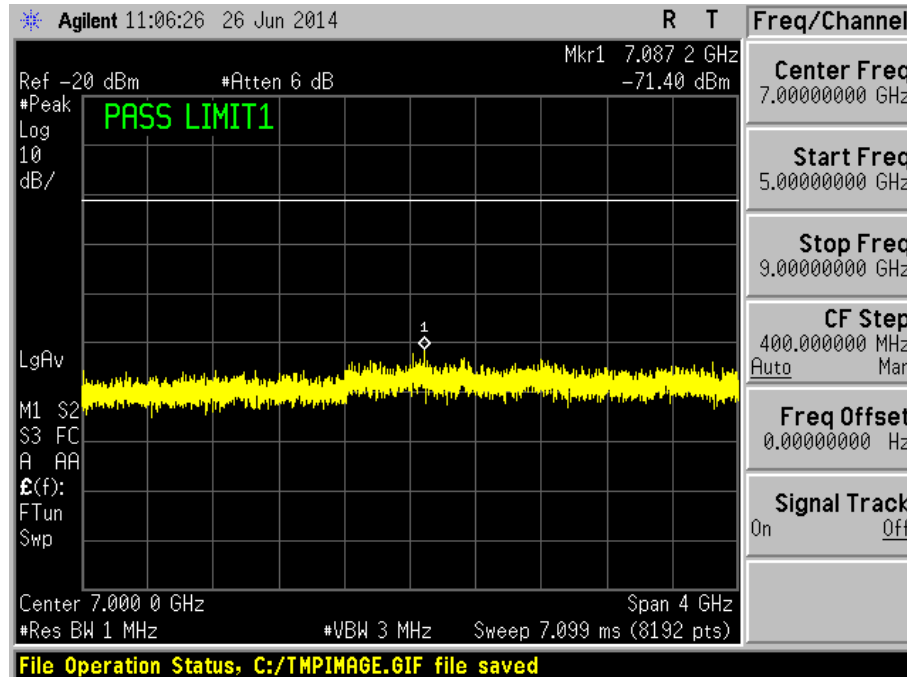
Plot 1722 – Channel 6 (middle ch) @ QPSK 39Mbps



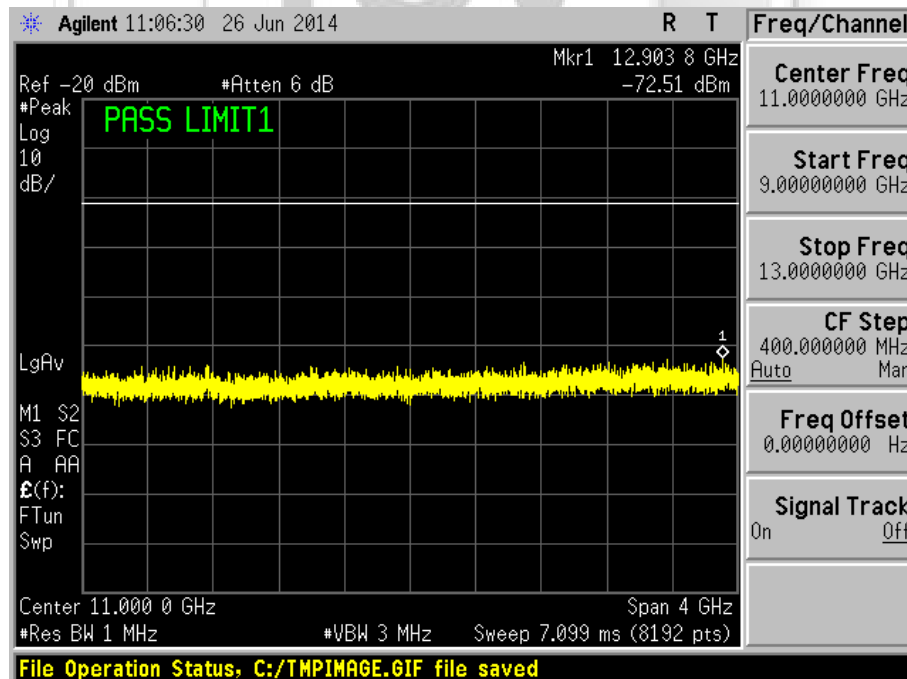
Plot 1723 – Channel 6 (middle ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



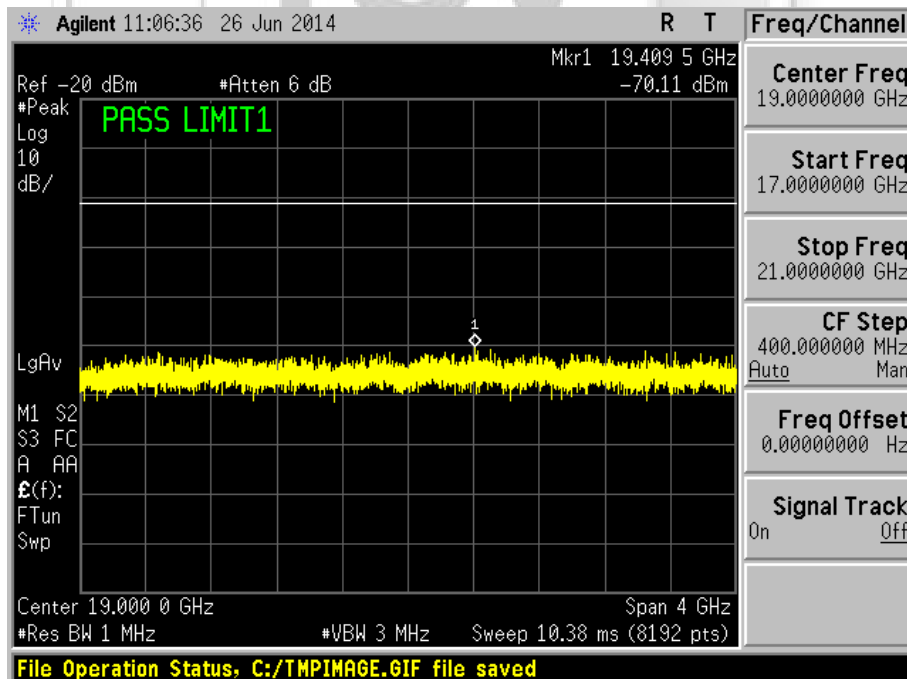
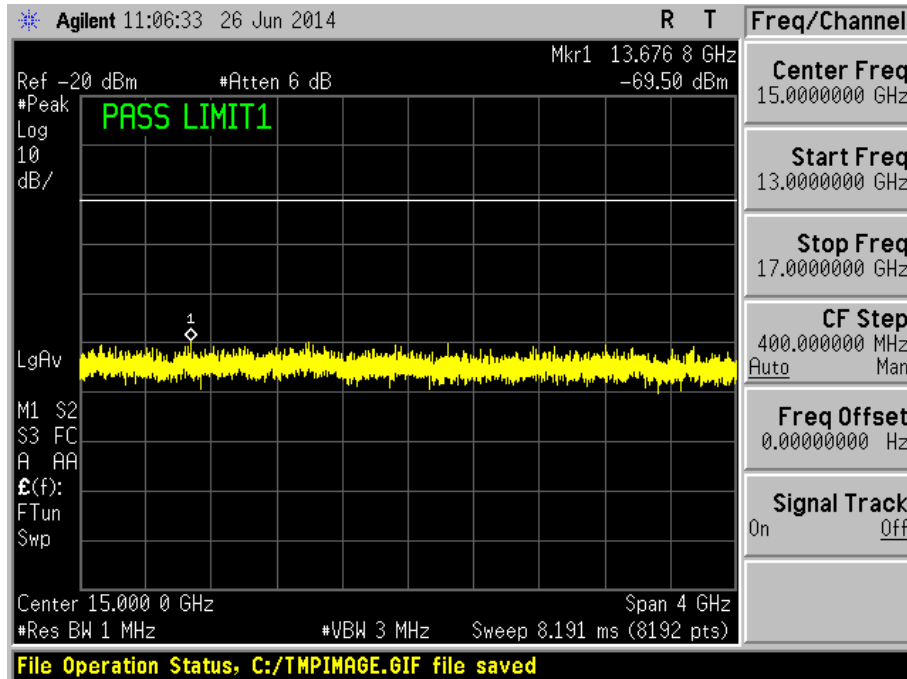
Plot 1724 – Channel 6 (middle ch) @ QPSK 39Mbps



Plot 1725 – Channel 6 (middle ch) @ QPSK 39Mbps

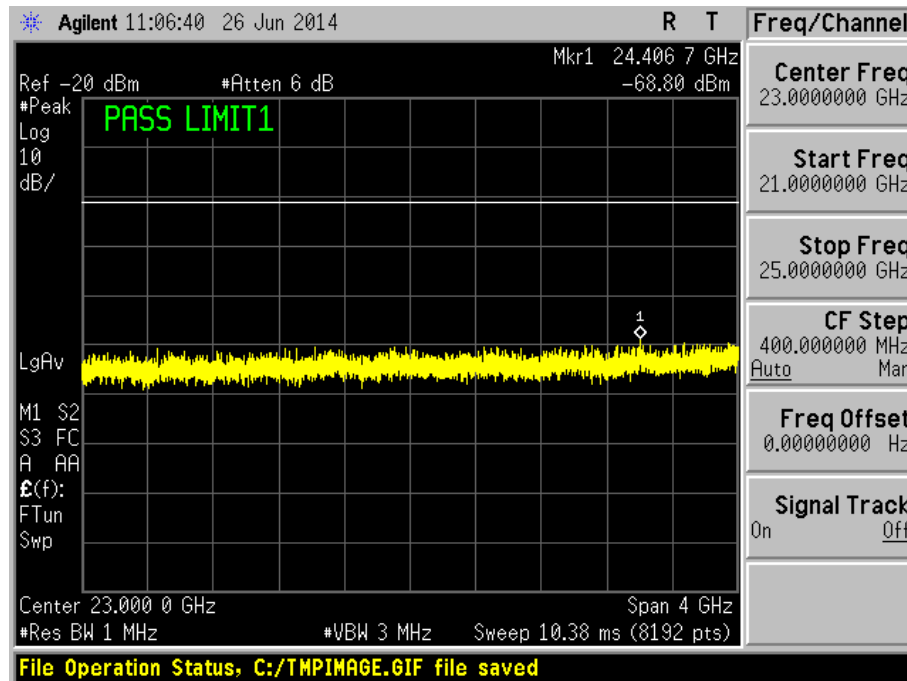
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

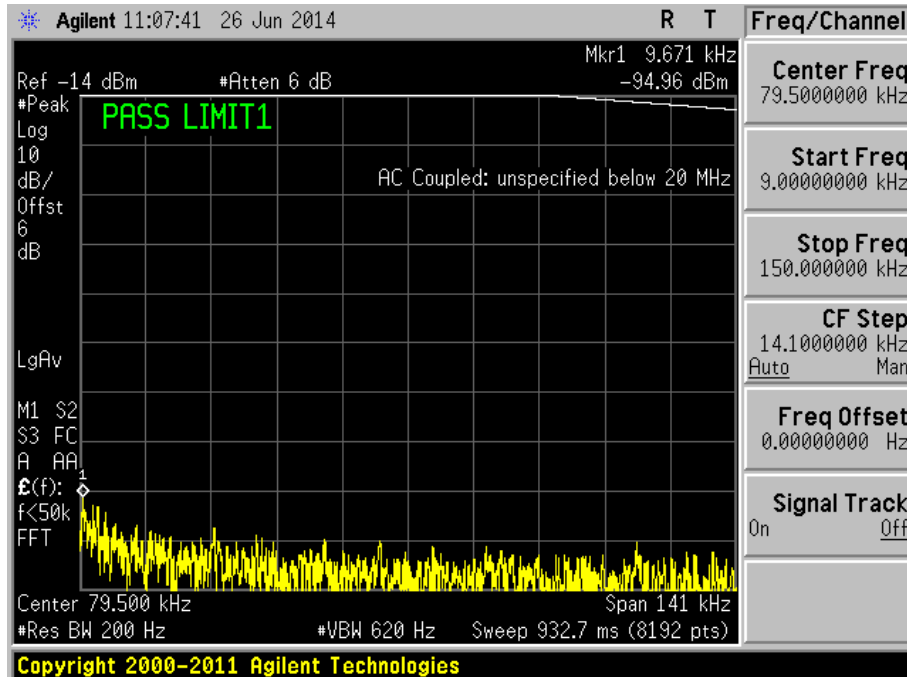
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



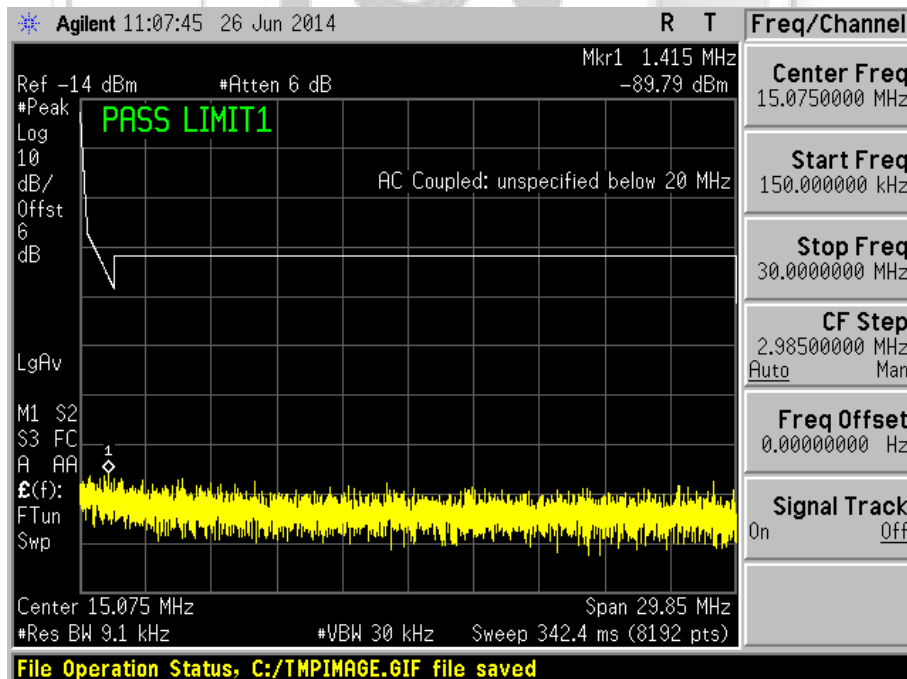
Plot 1728 – Channel 6 (middle ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



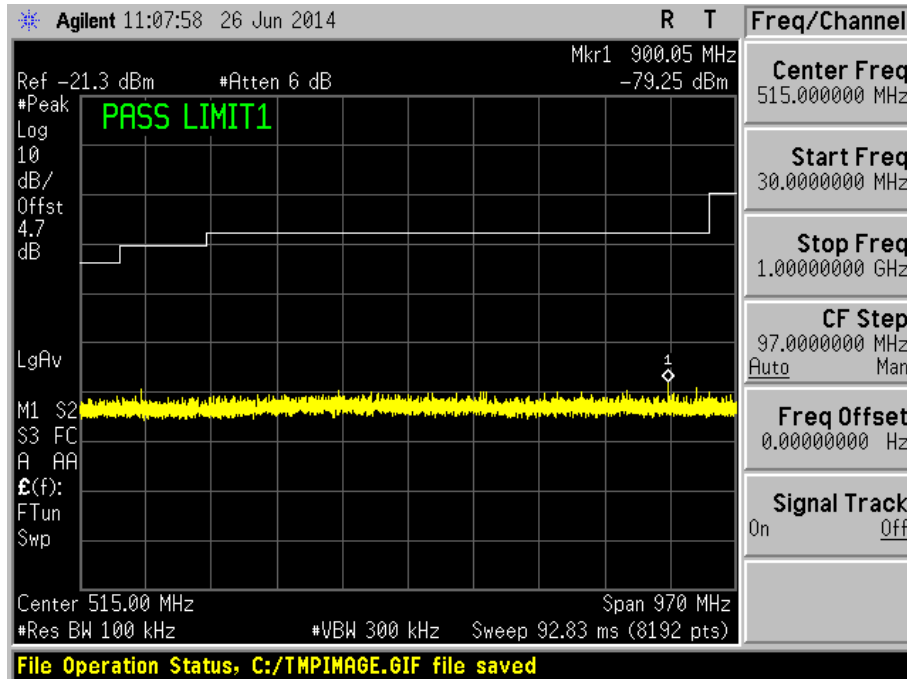
Plot 1729 – Channel 6 (middle ch) @ 16QAM 78Mbps



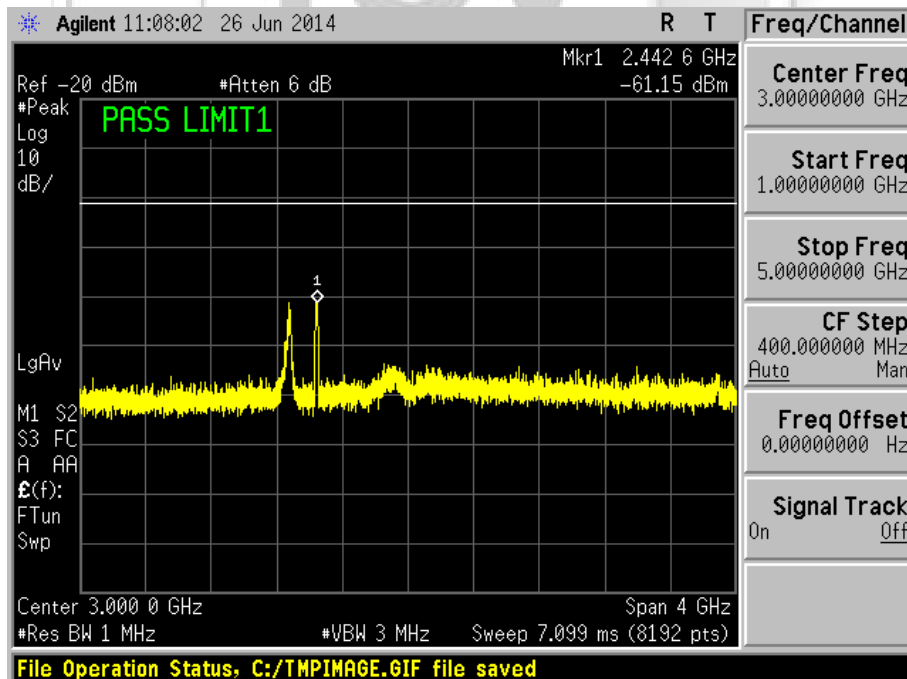
Plot 1730 – Channel 6 (middle ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



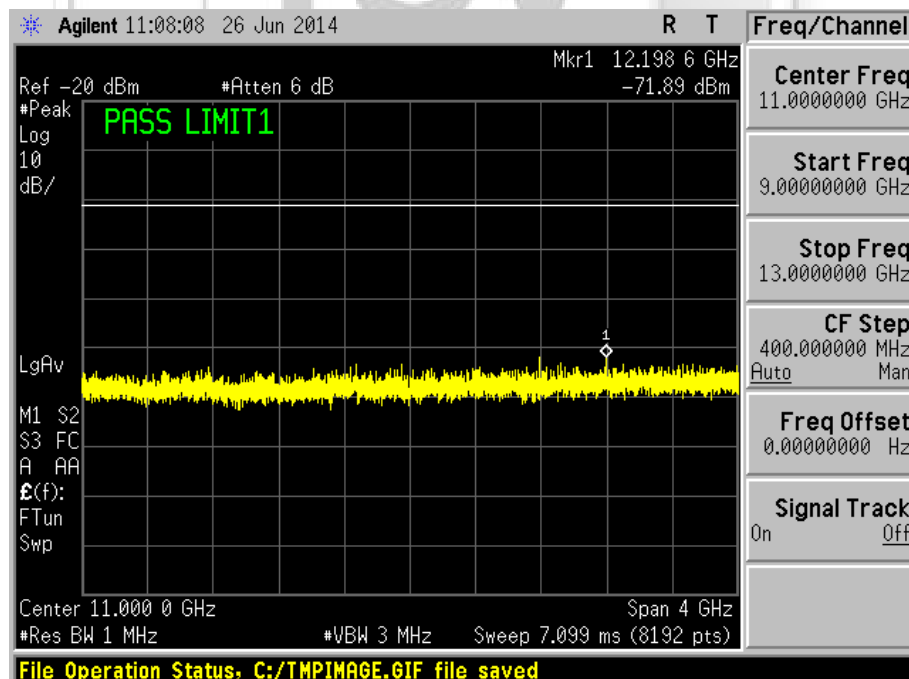
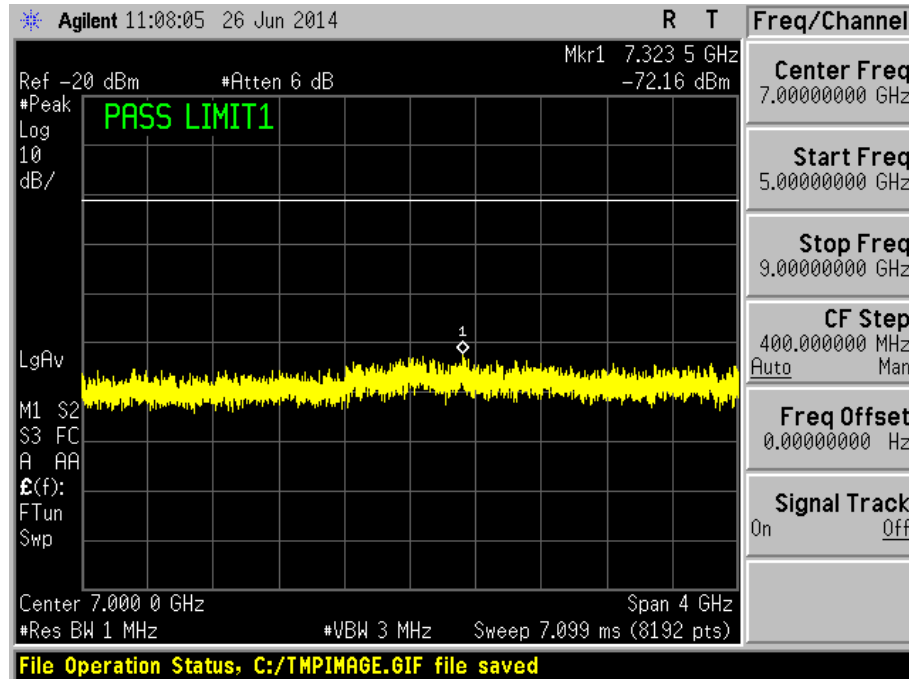
Plot 1731 – Channel 6 (middle ch) @ 16QAM 78Mbps



Plot 1732 – Channel 6 (middle ch) @ 16QAM 78Mbps

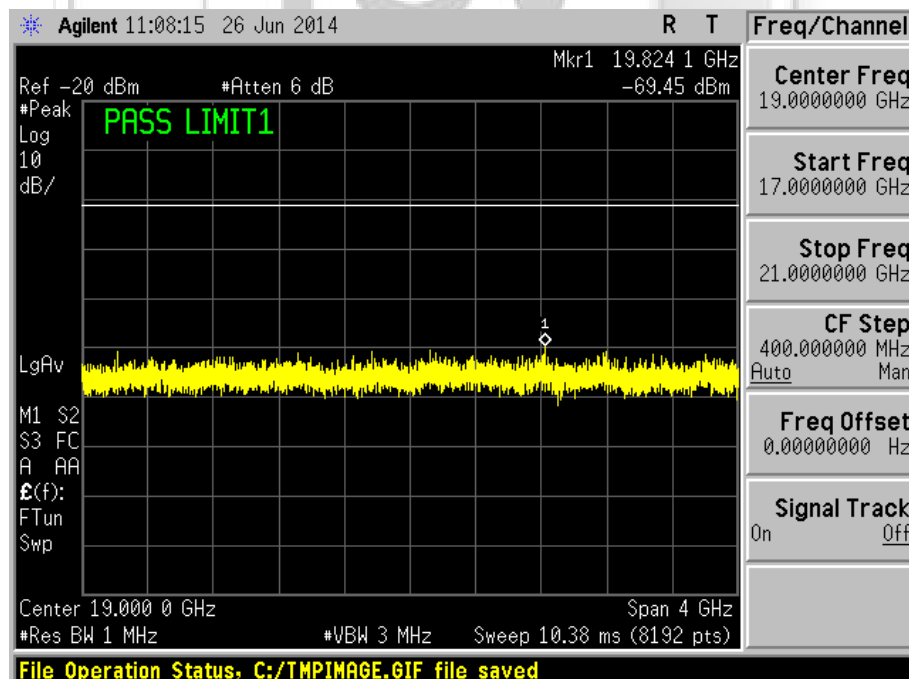
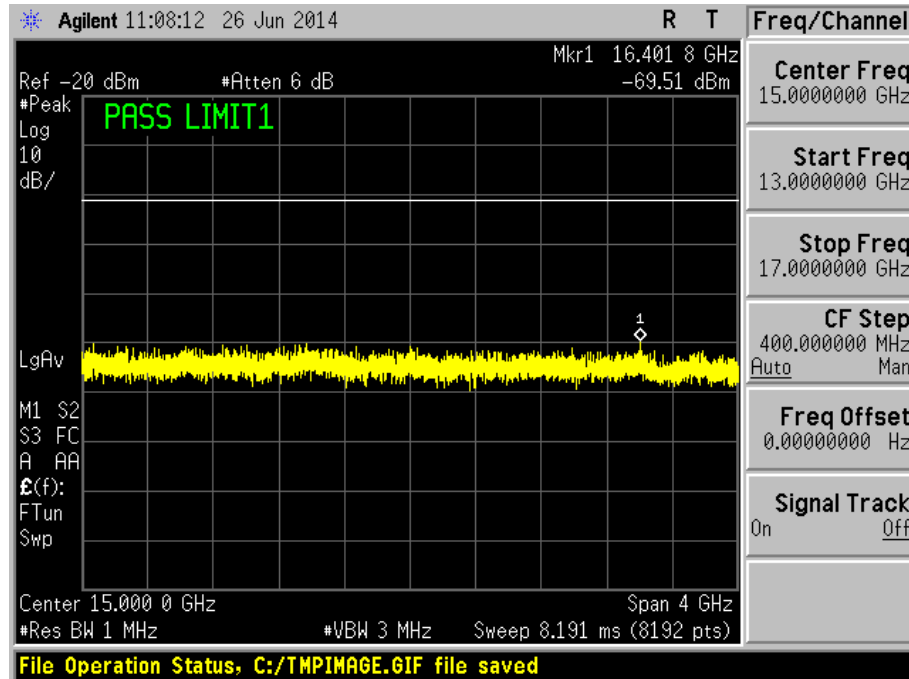
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



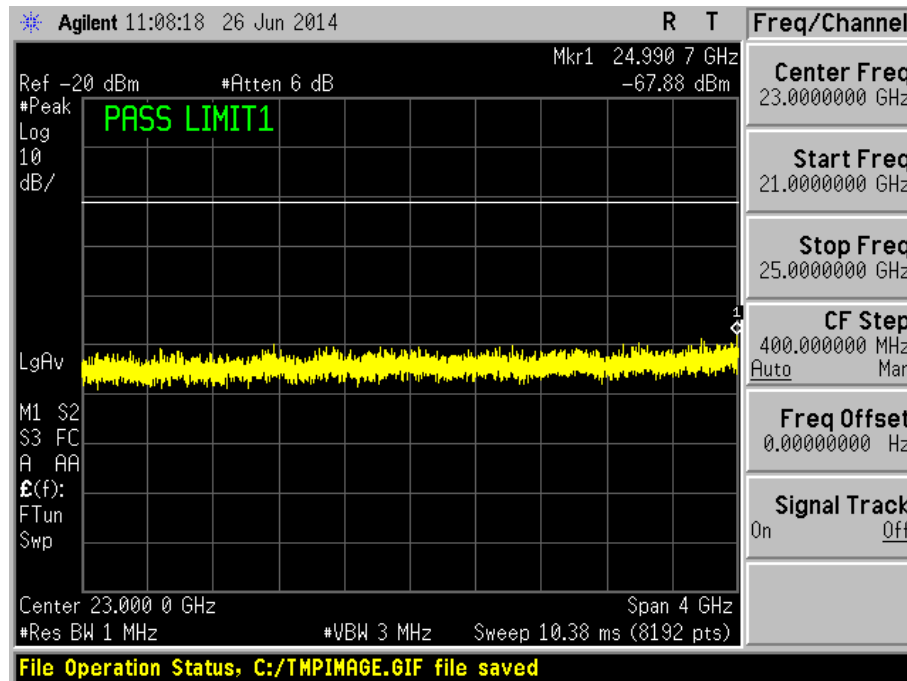
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

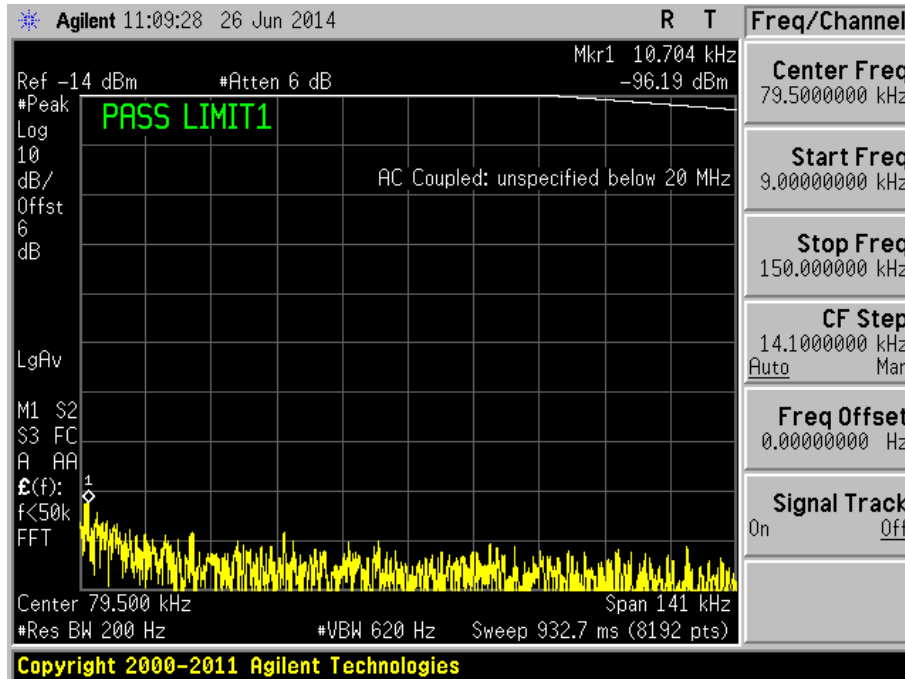
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



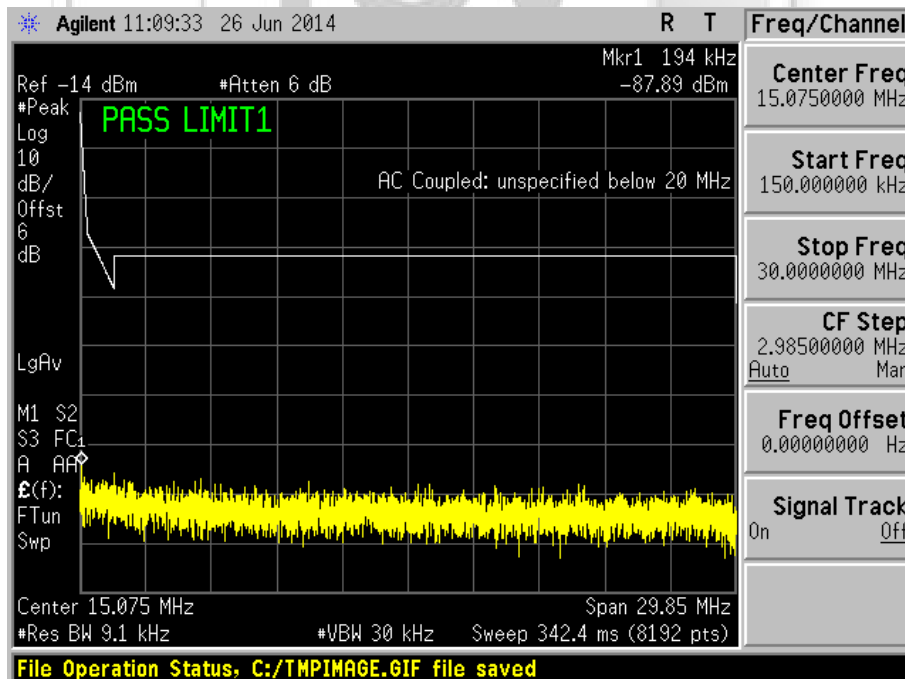
Plot 1737 – Channel 6 (middle ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



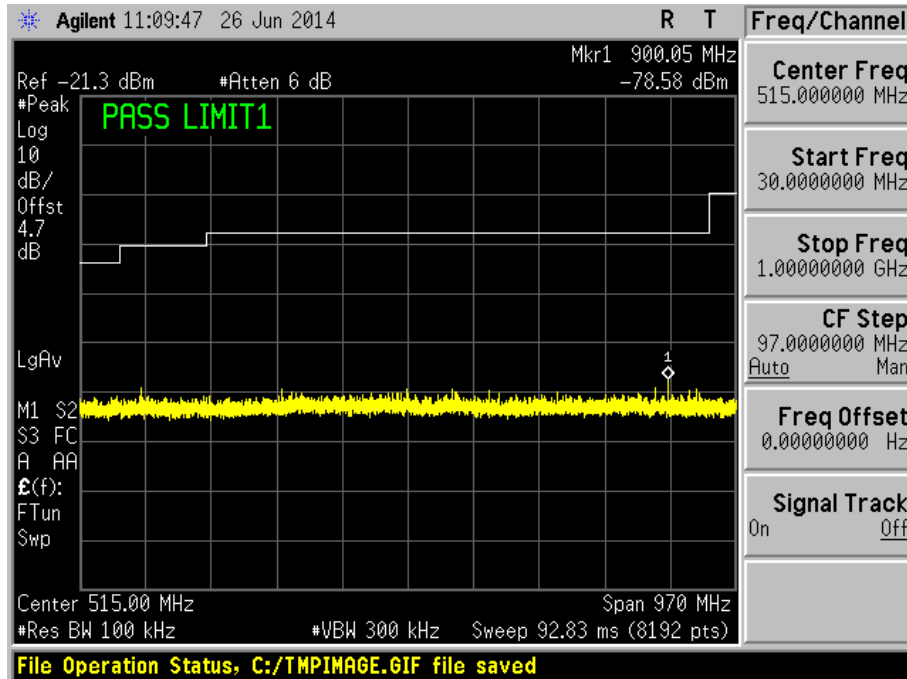
Plot 1738 – Channel 6 (middle ch) @ 64QAM 130Mbps



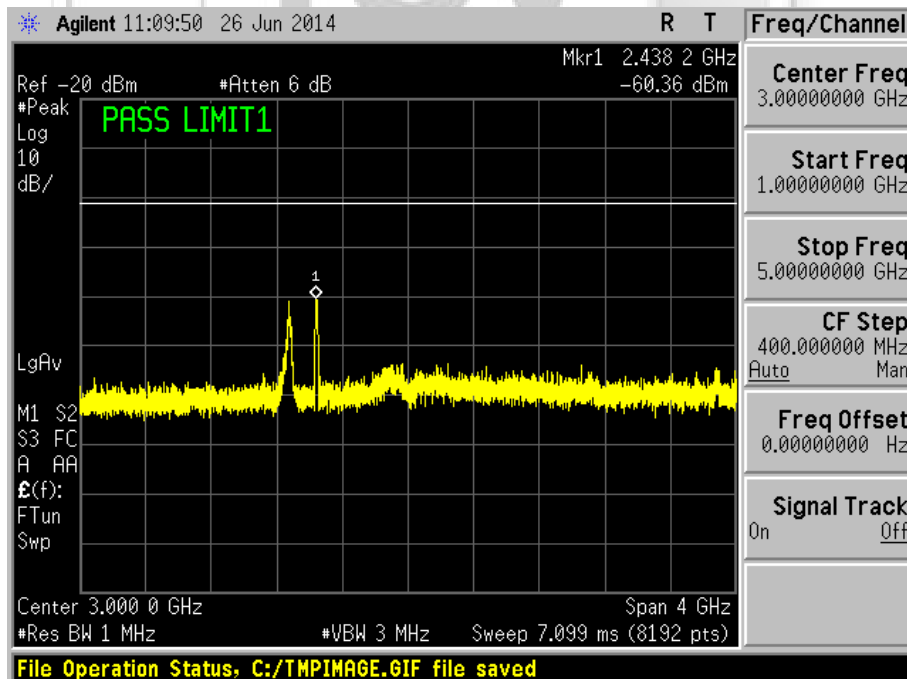
Plot 1739 – Channel 6 (middle ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



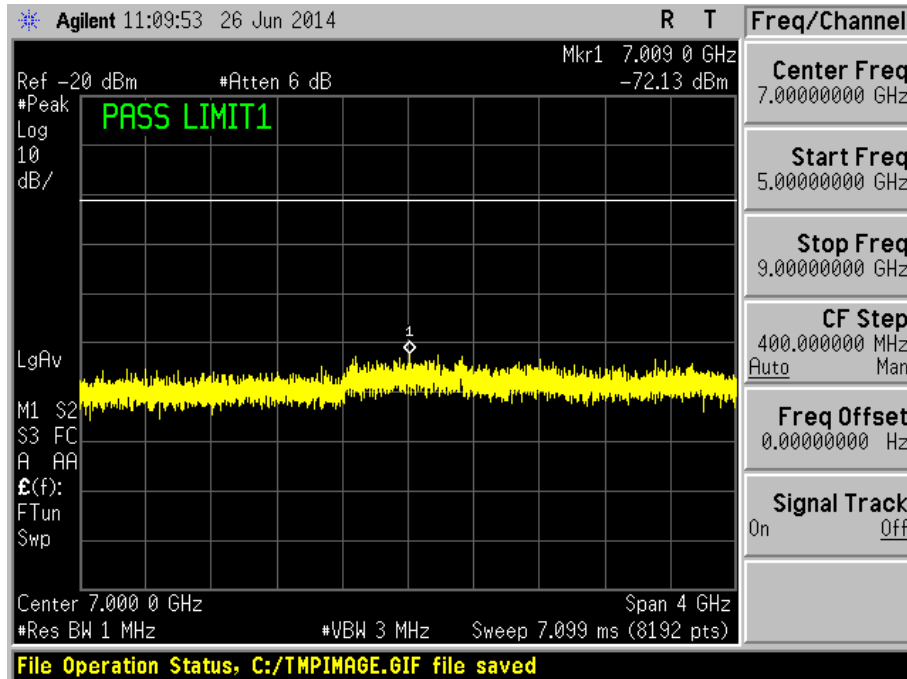
Plot 1740 – Channel 6 (middle ch) @ 64QAM 130Mbps



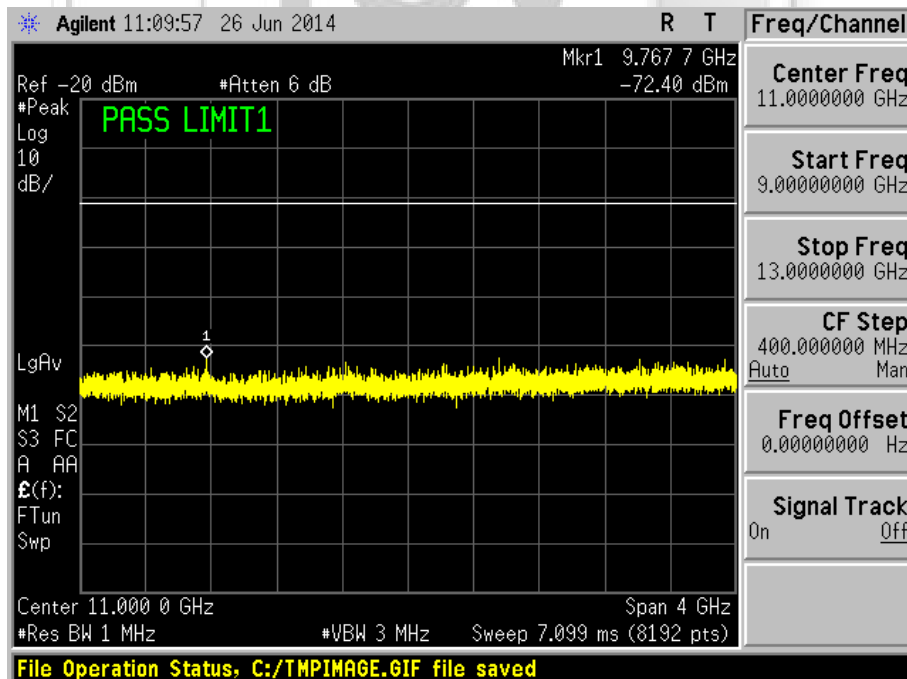
Plot 1741 – Channel 6 (middle ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



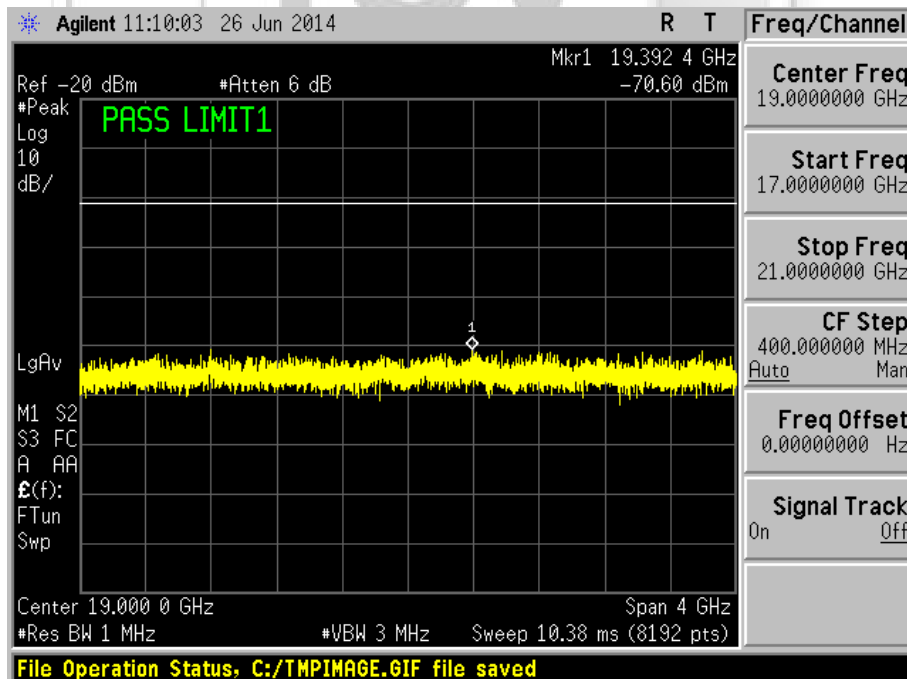
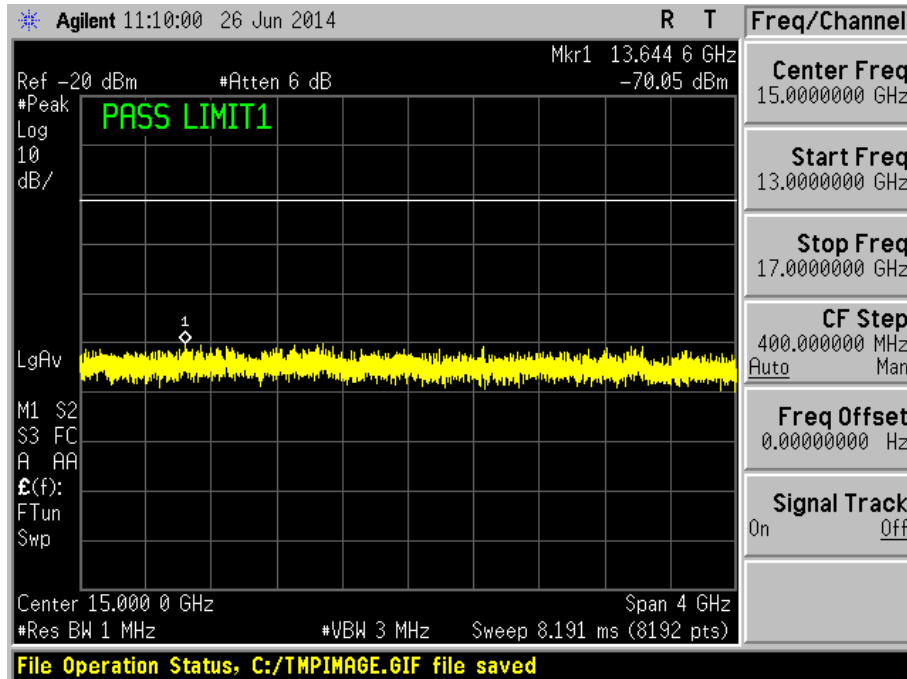
Plot 1742 – Channel 6 (middle ch) @ 64QAM 130Mbps



Plot 1743 – Channel 6 (middle ch) @ 64QAM 130Mbps

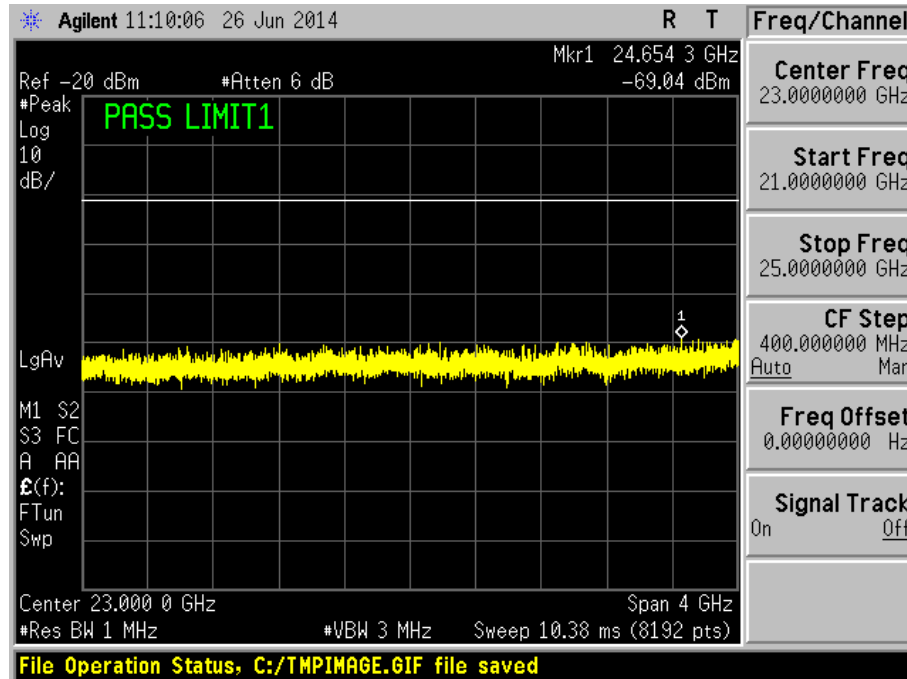
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

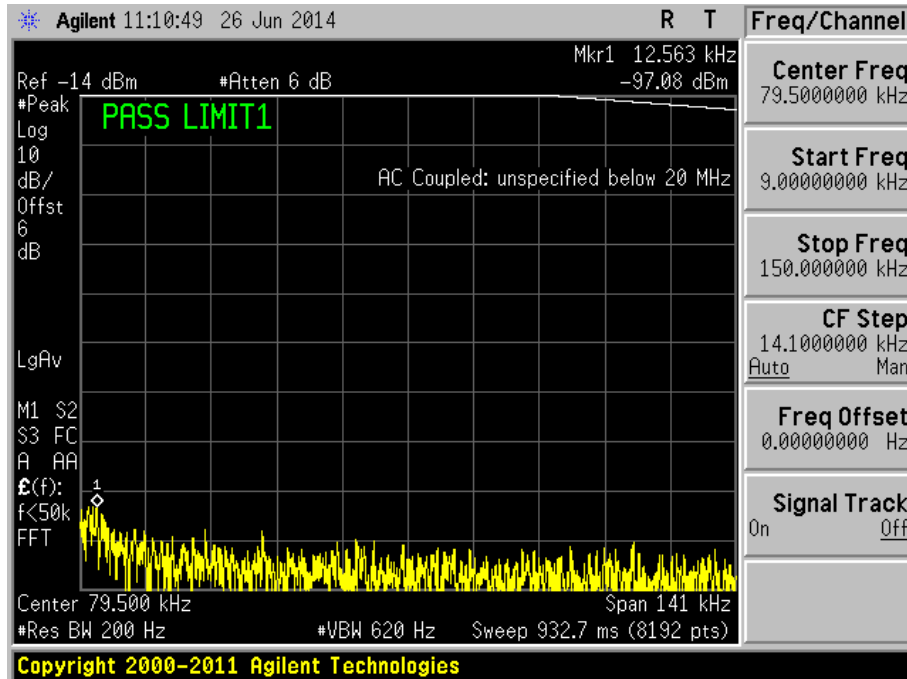
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



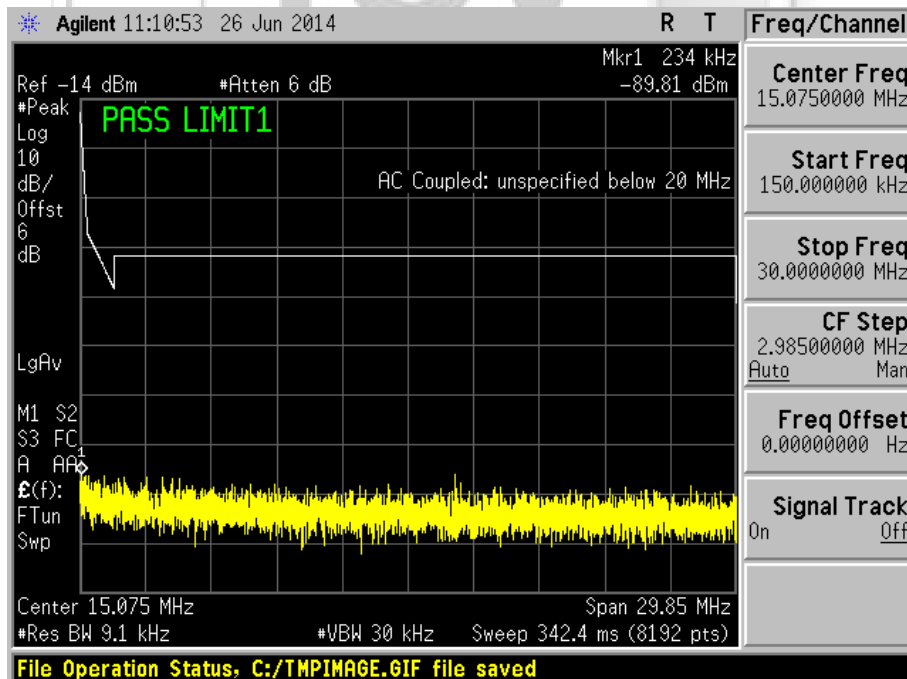
Plot 1746 – Channel 6 (middle ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



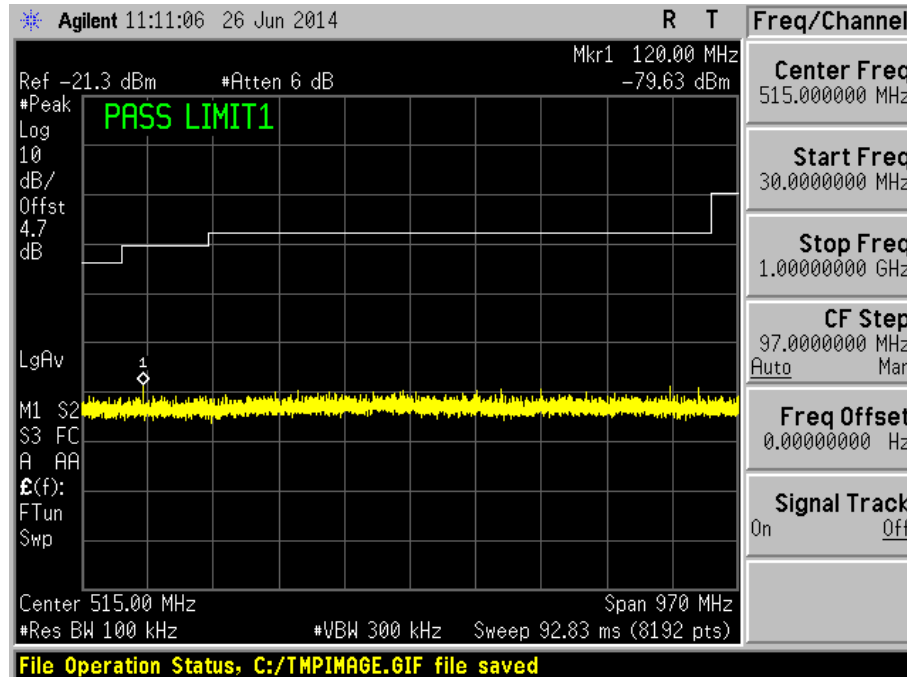
Plot 1747 – Channel 11 (upper ch) @ BPSK 13Mbps



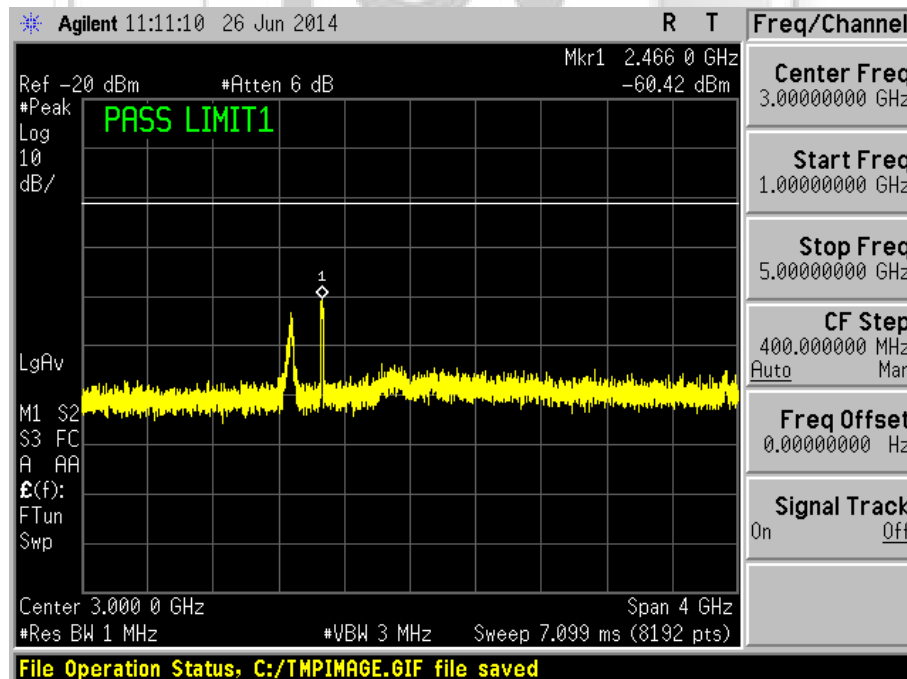
Plot 1748 – Channel 11 (upper ch) @ BPSK 13Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



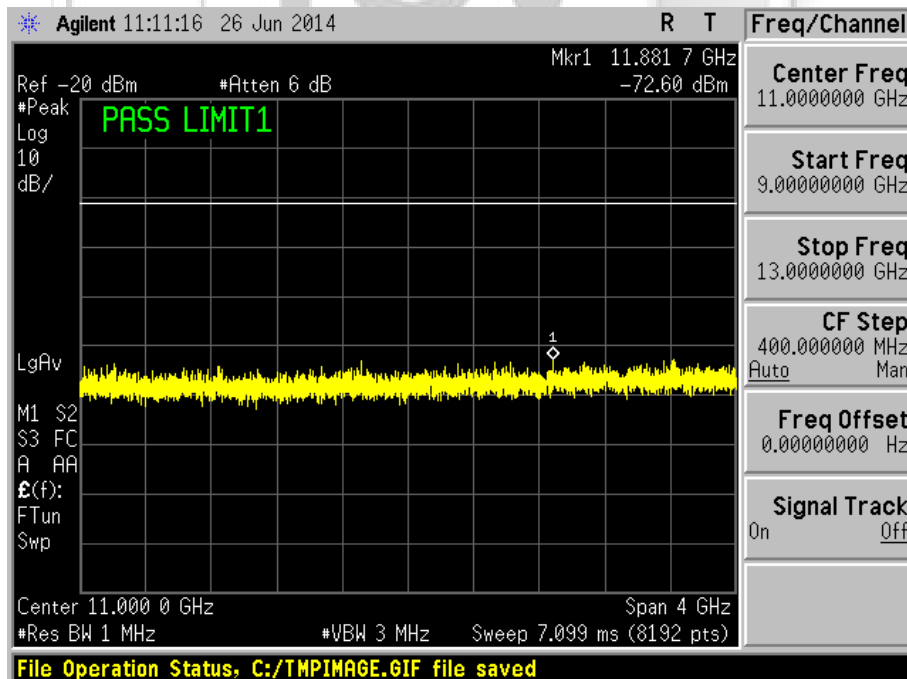
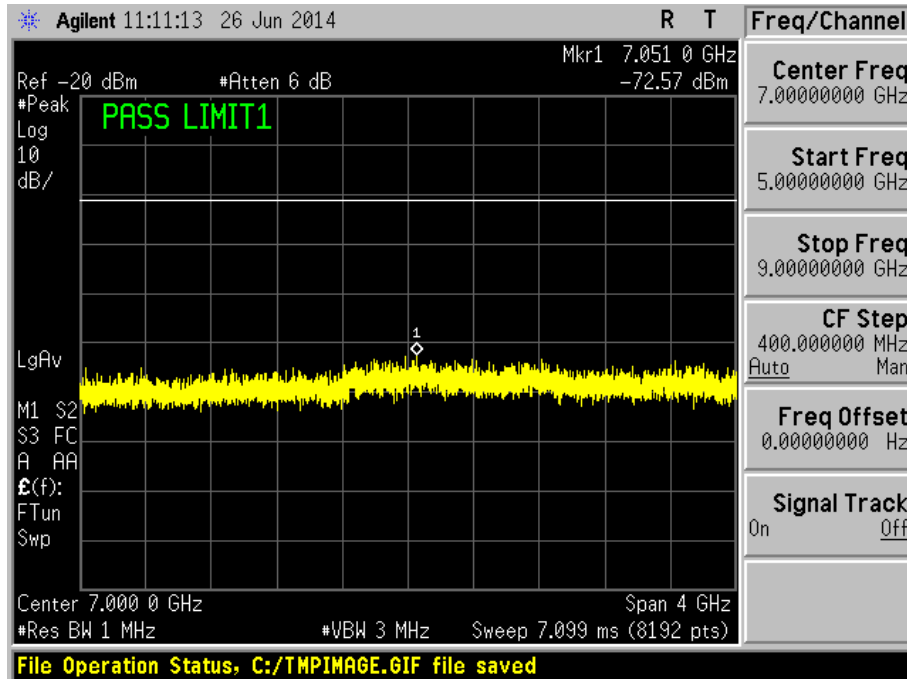
Plot 1749 – Channel 11 (upper ch) @ BPSK 13Mbps



Plot 1750 – Channel 11 (upper ch) @ BPSK 13Mbps

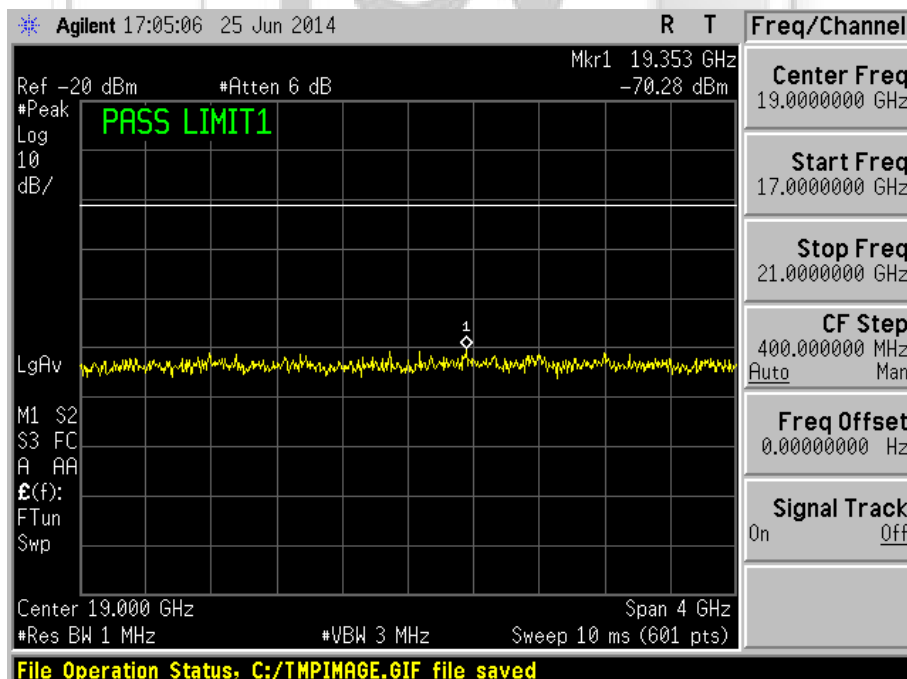
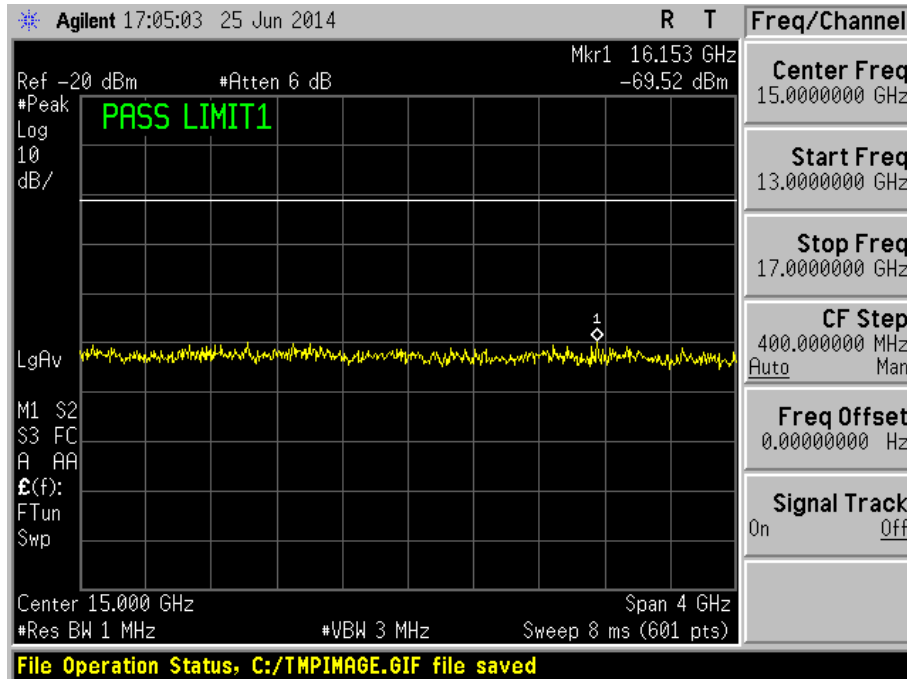
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



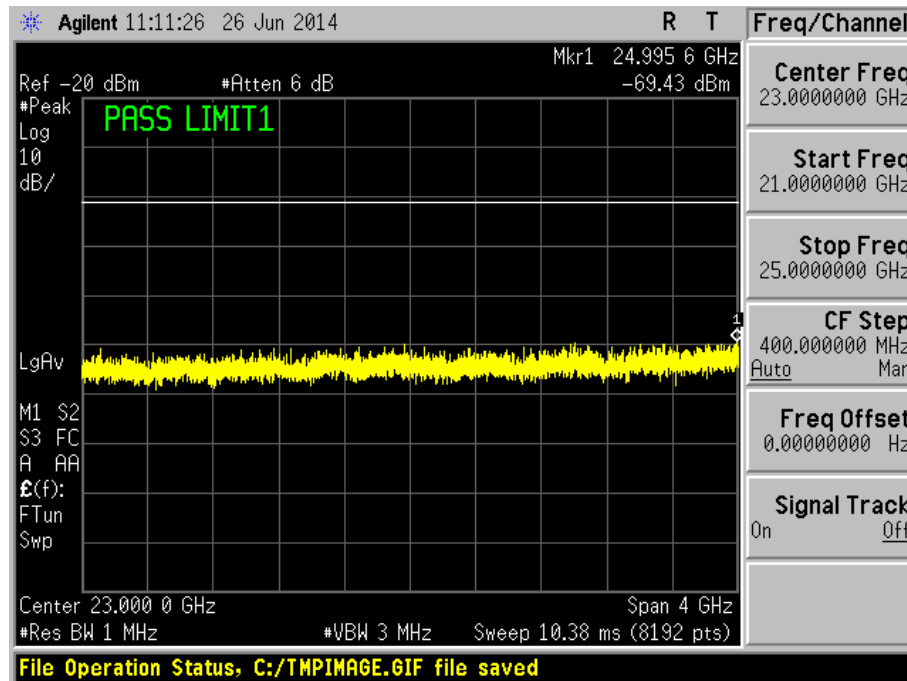
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

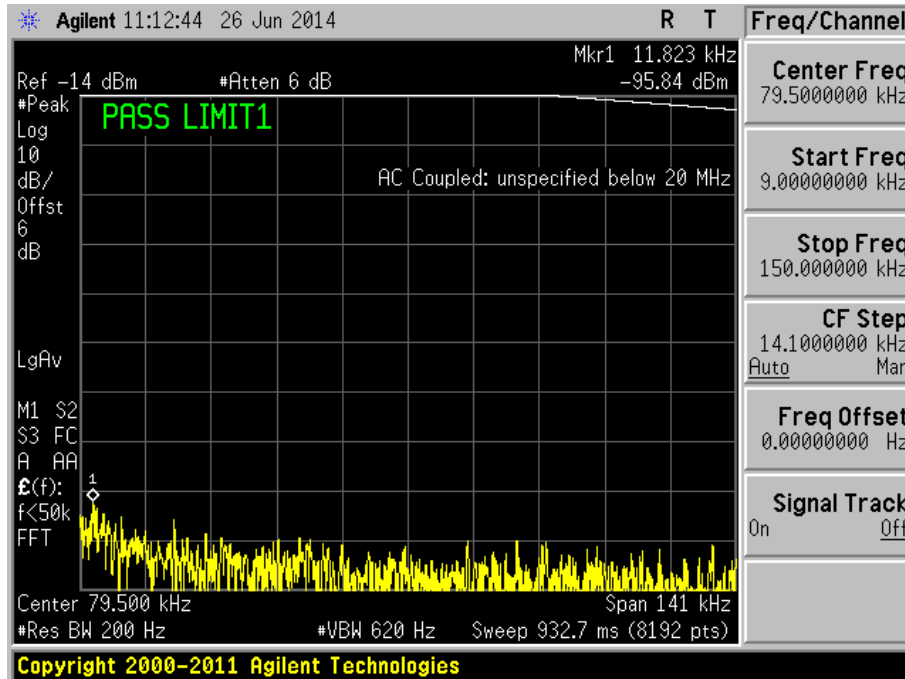
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



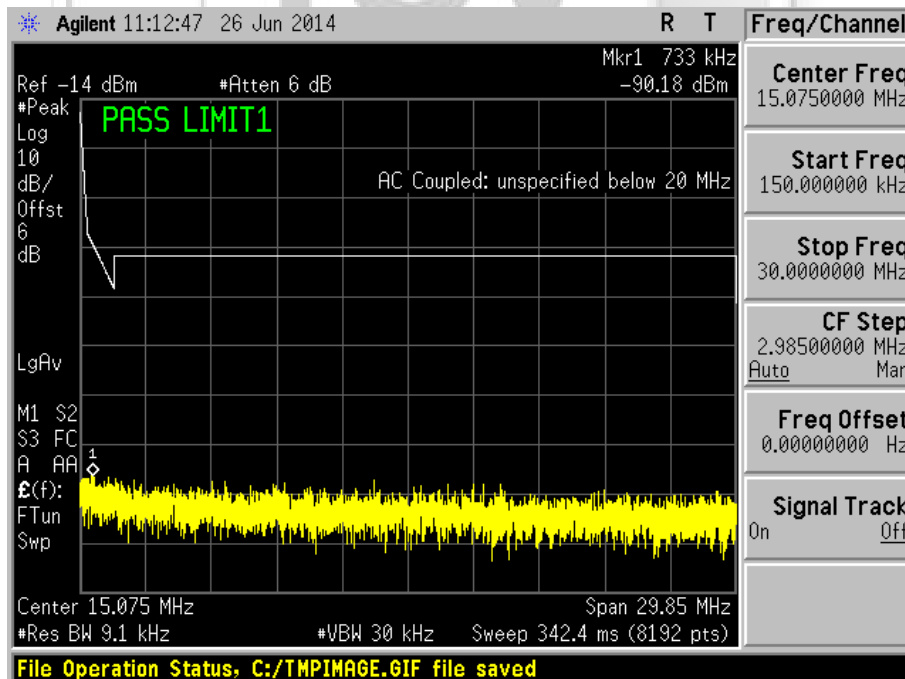
Plot 1755 – Channel 11 (upper ch) @ BPSK 13Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



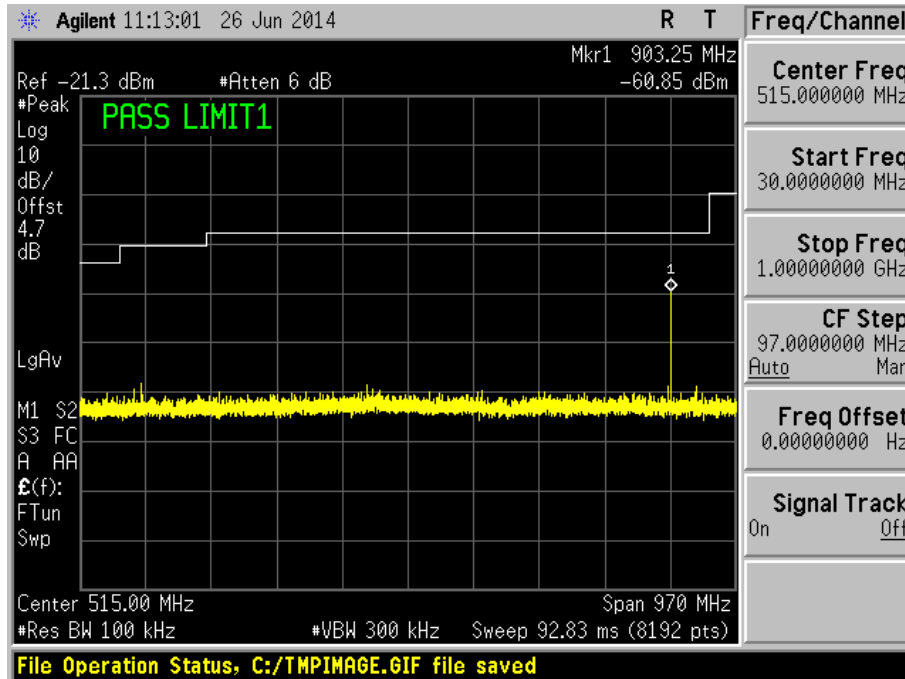
Plot 1756 – Channel 11 (upper ch) @ QPSK 39Mbps



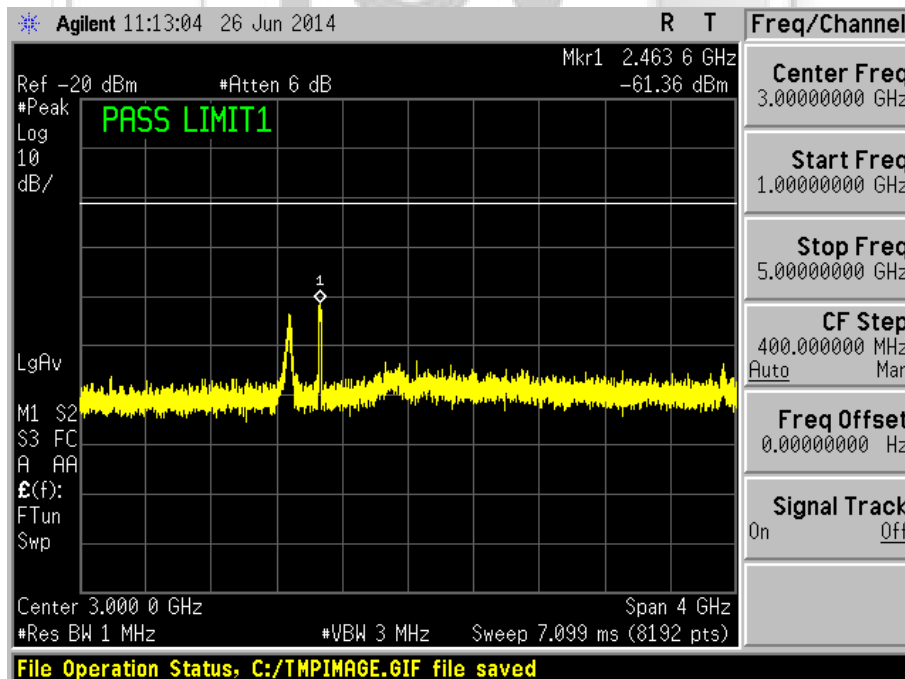
Plot 1757 – Channel 11 (upper ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



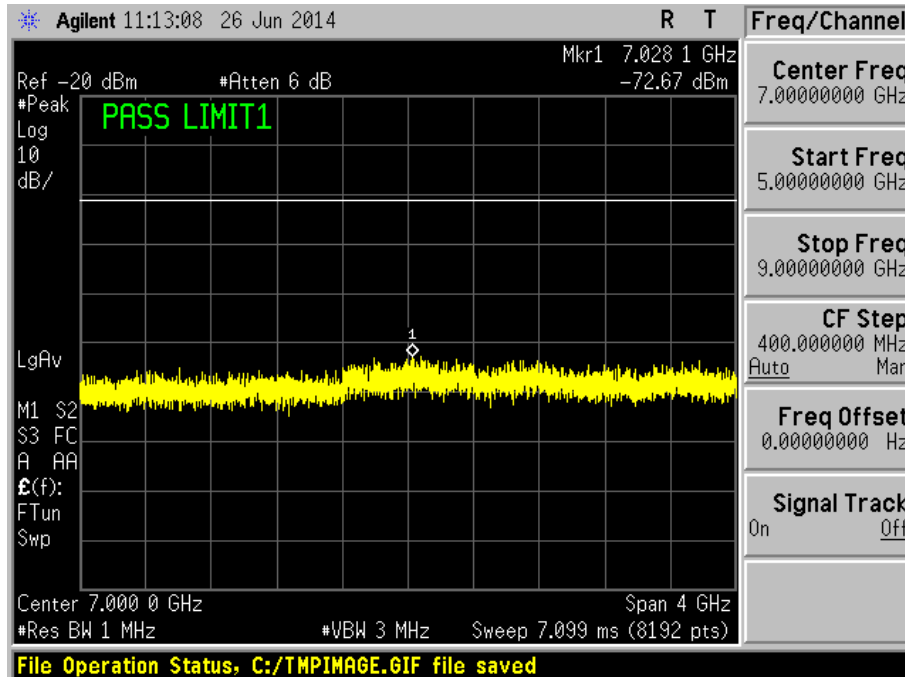
Plot 1758 – Channel 11 (upper ch) @ QPSK 39Mbps



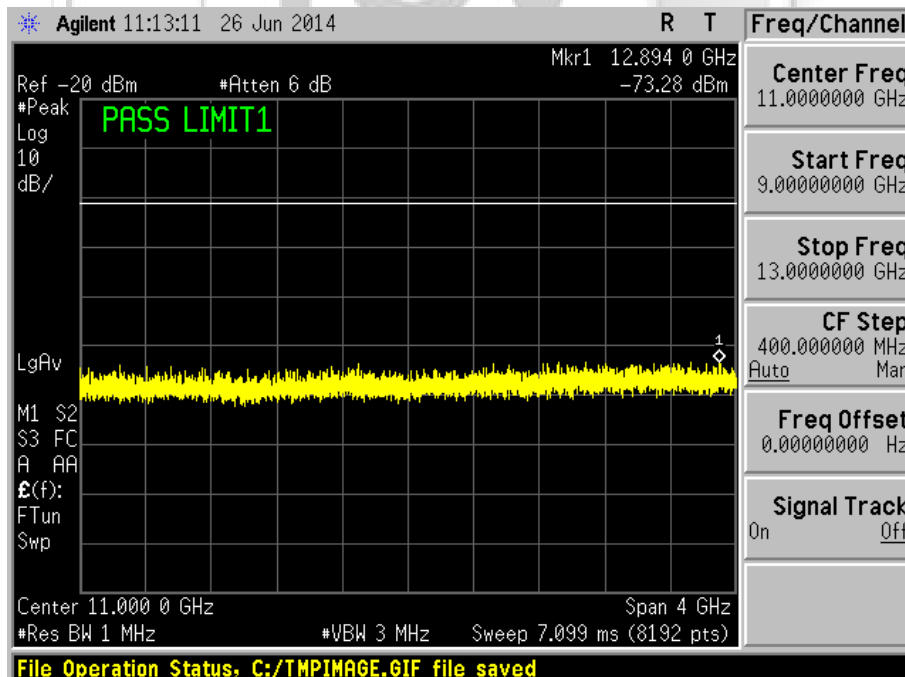
Plot 1759 – Channel 11 (upper ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



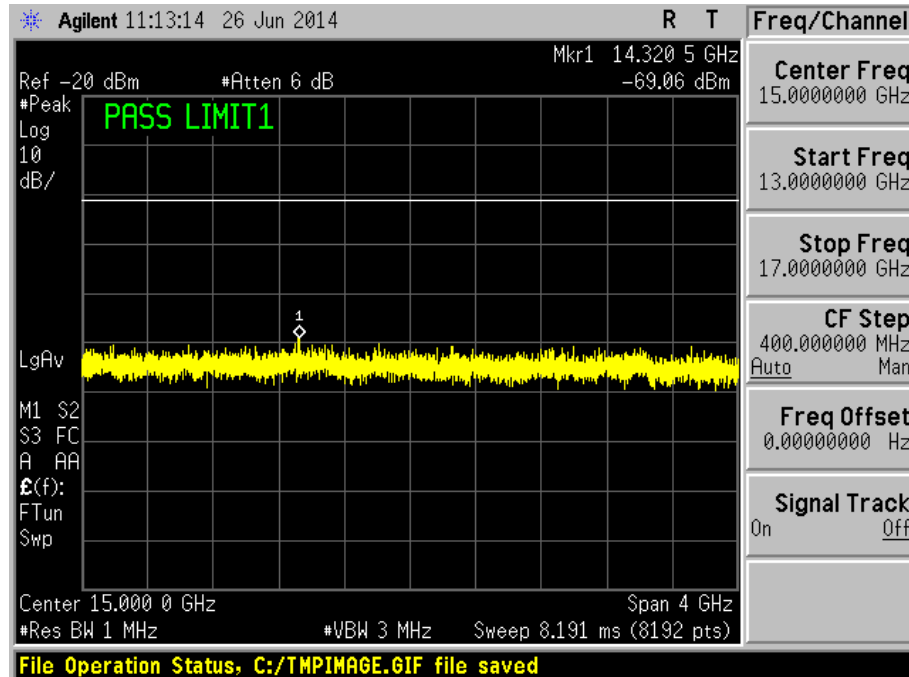
Plot 1760 – Channel 11 (upper ch) @ QPSK 39Mbps



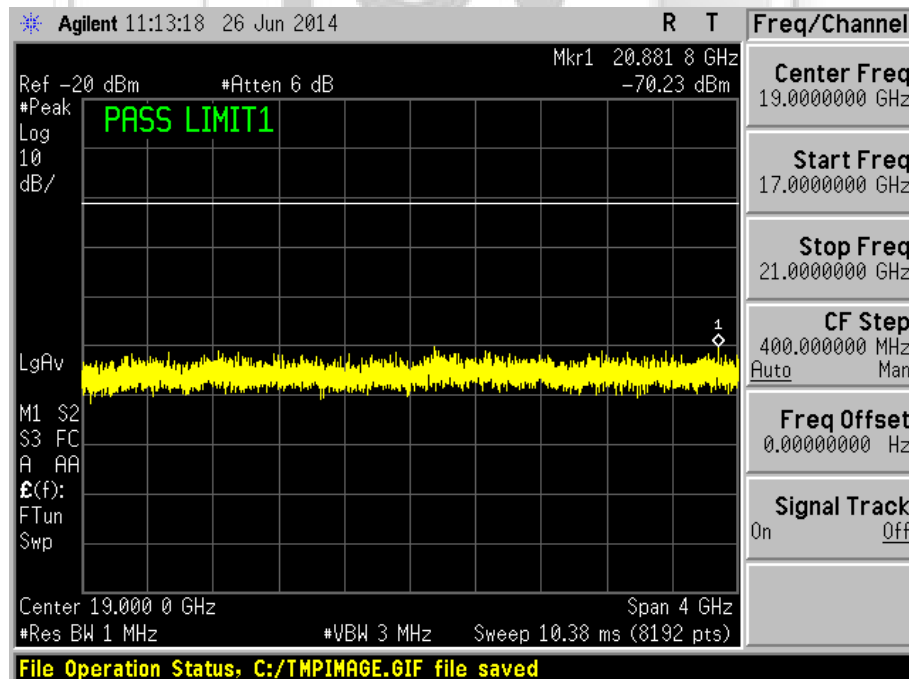
Plot 1761 – Channel 11 (upper ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



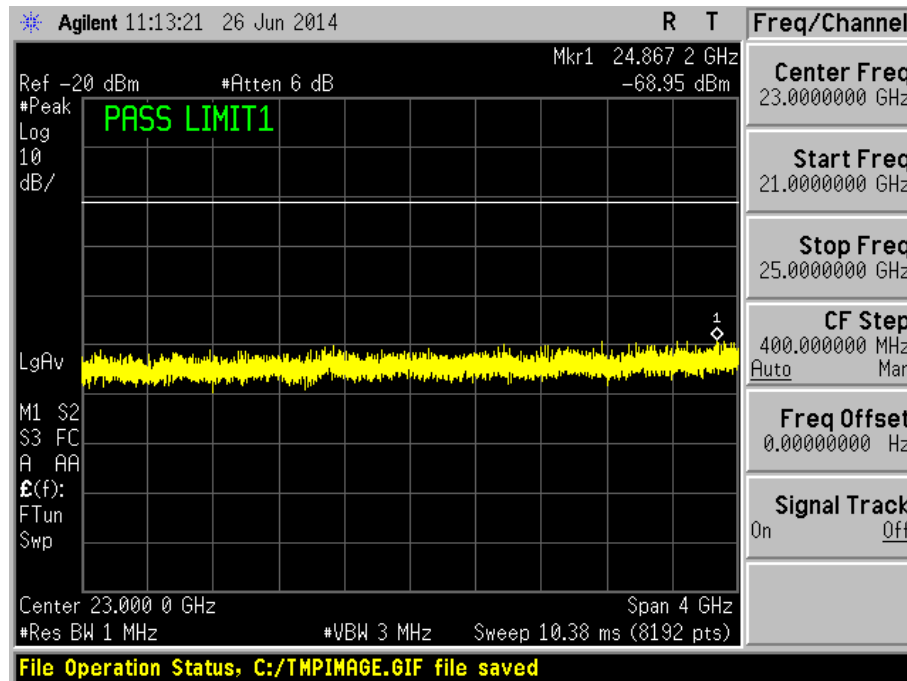
Plot 1762 – Channel 11 (upper ch) @ QPSK 39Mbps



Plot 1763 – Channel 11 (upper ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

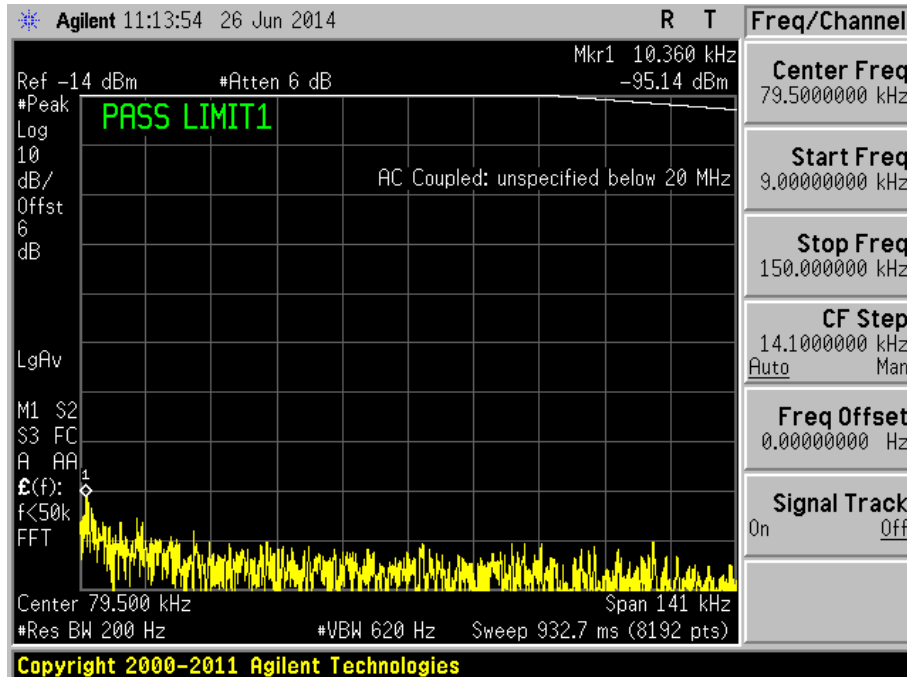
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



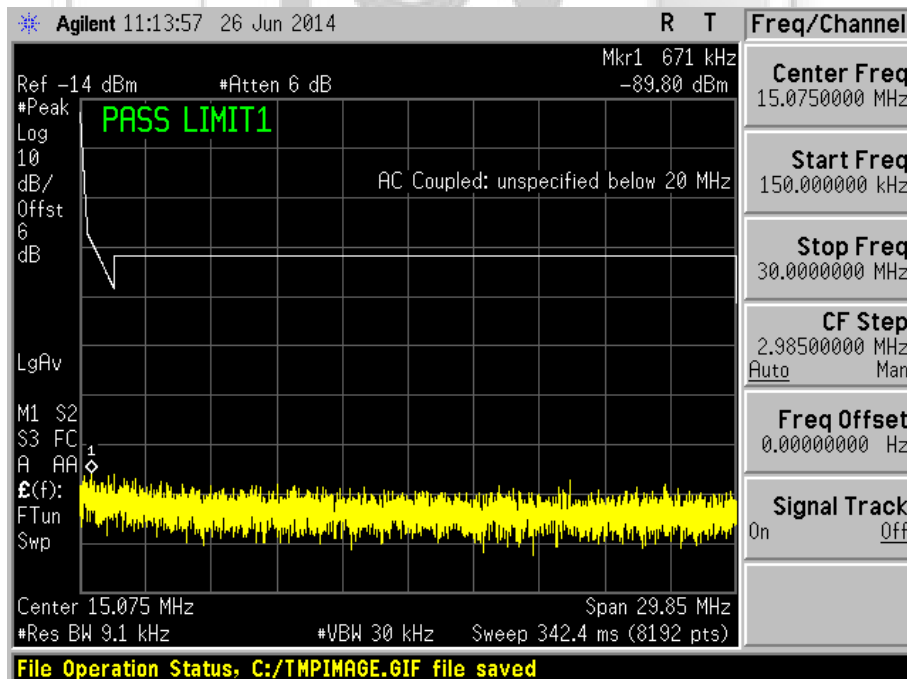
Plot 1764 – Channel 11 (upper ch) @ QPSK 39Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



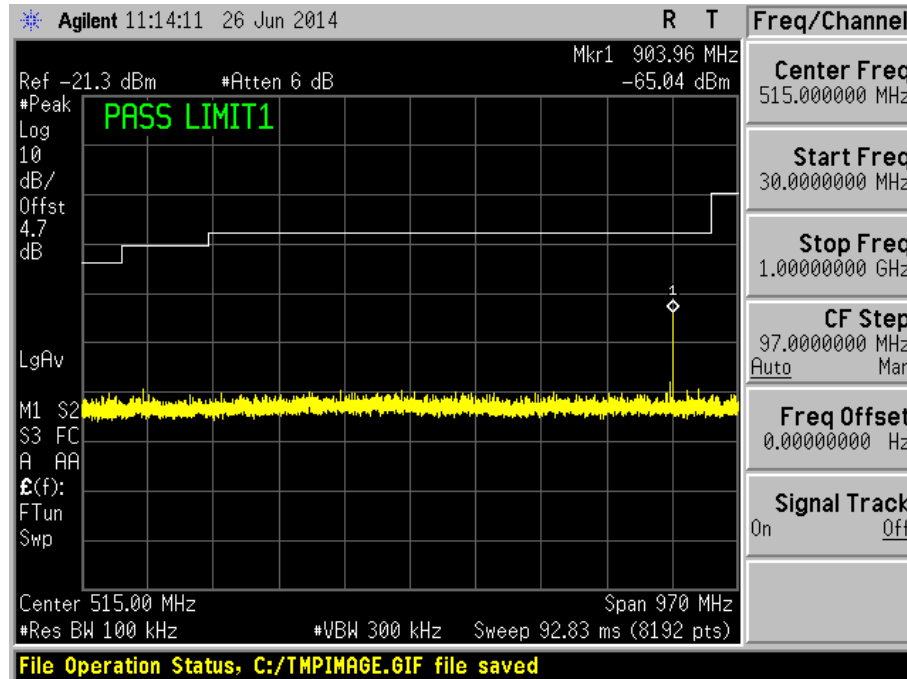
Plot 1765 – Channel 11 (upper ch) @ 16QAM 78Mbps



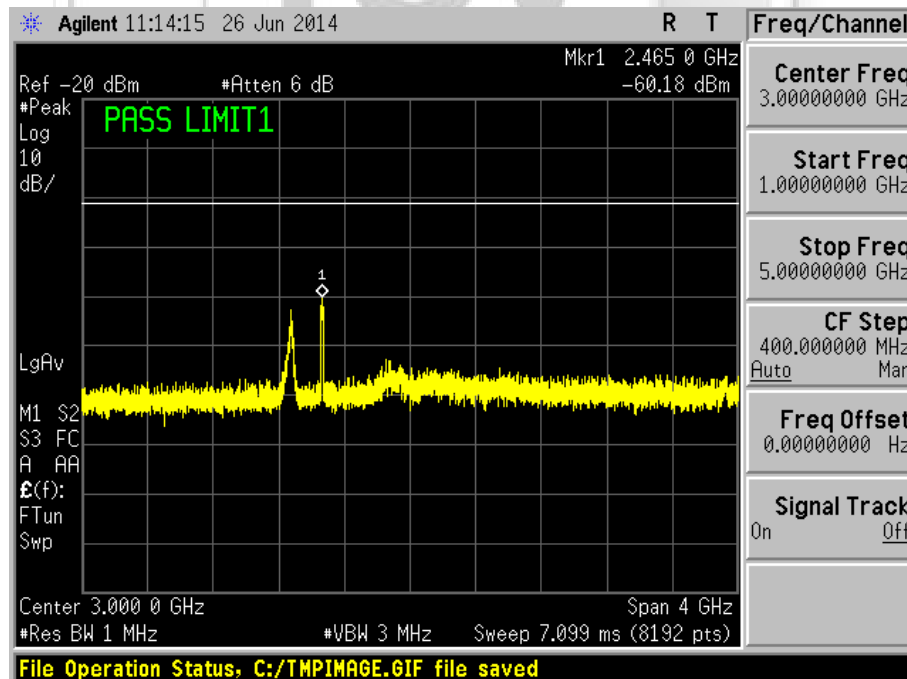
Plot 1766 – Channel 11 (upper ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



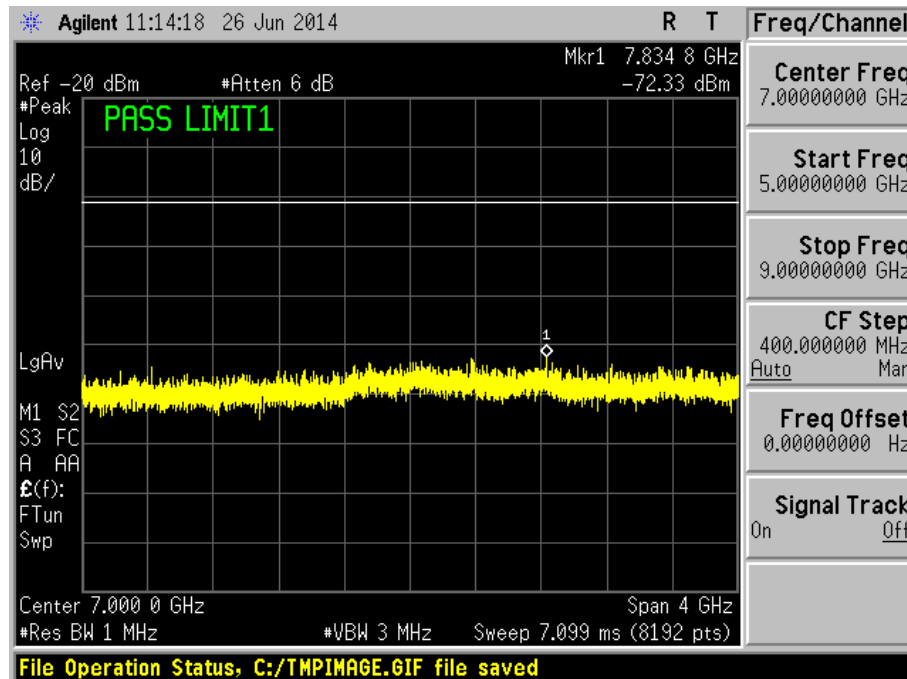
Plot 1767 – Channel 11 (upper ch) @ 16QAM 78Mbps



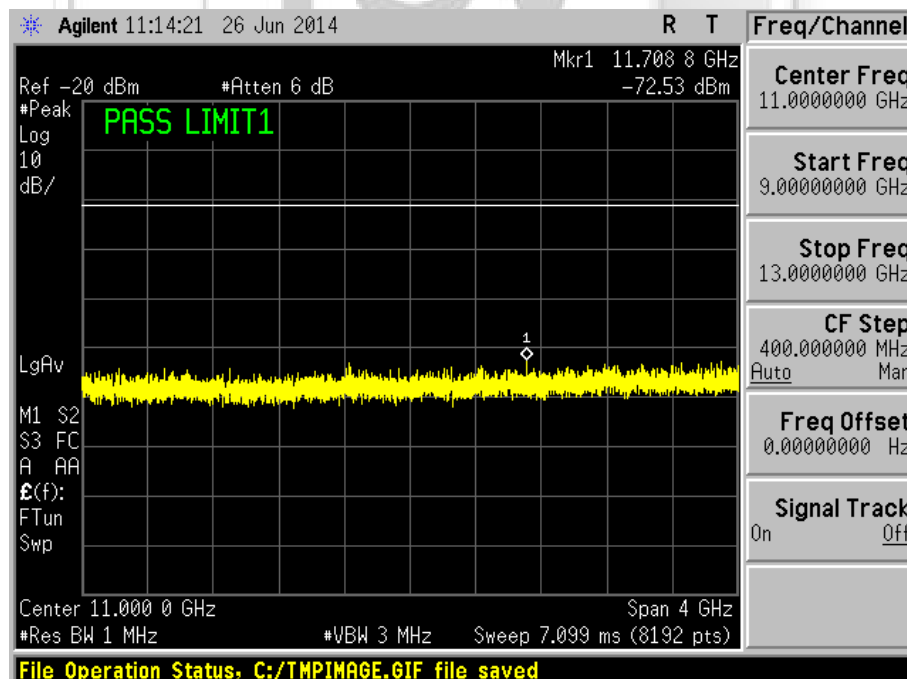
Plot 1768 – Channel 11 (upper ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



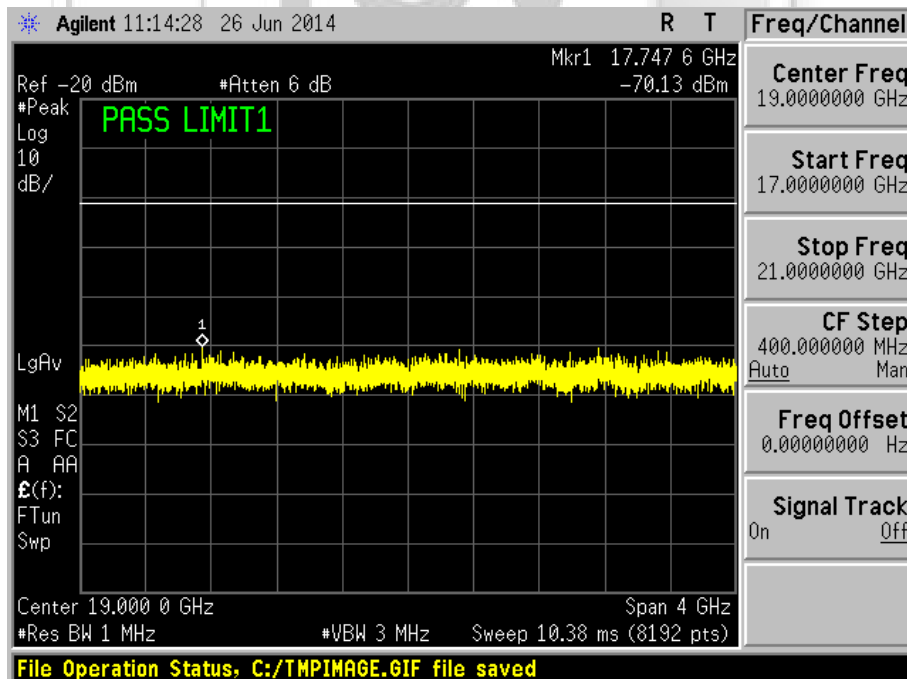
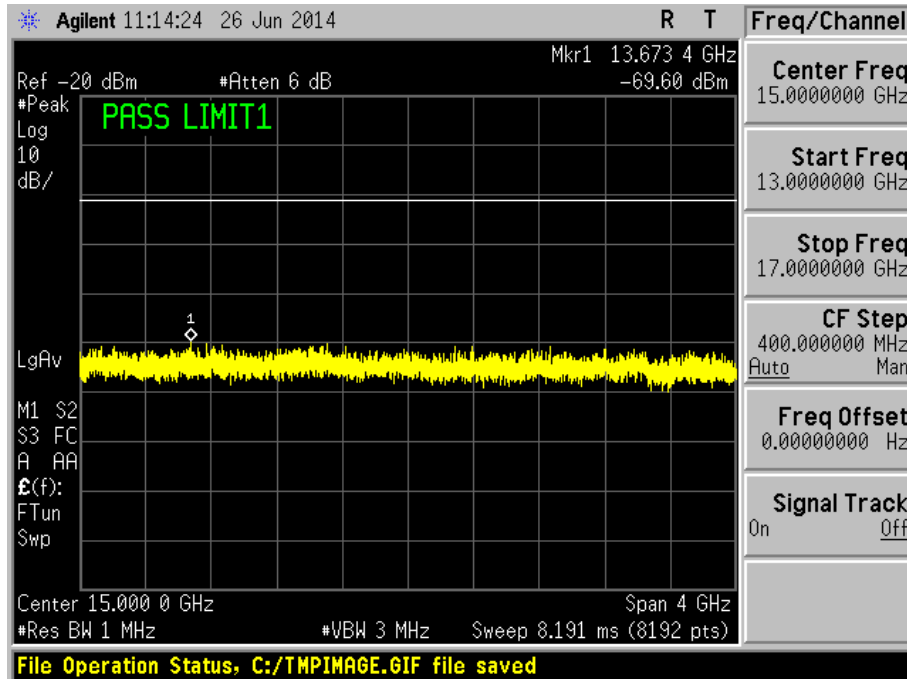
Plot 1769 – Channel 11 (upper ch) @ 16QAM 78Mbps



Plot 1770 – Channel 11 (upper ch) @ 16QAM 78Mbps

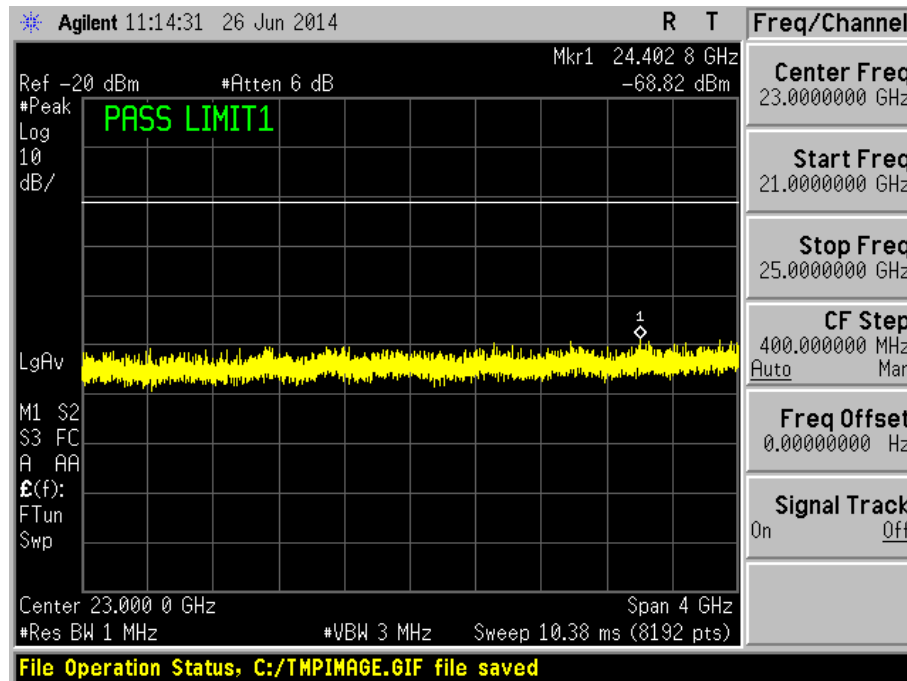
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

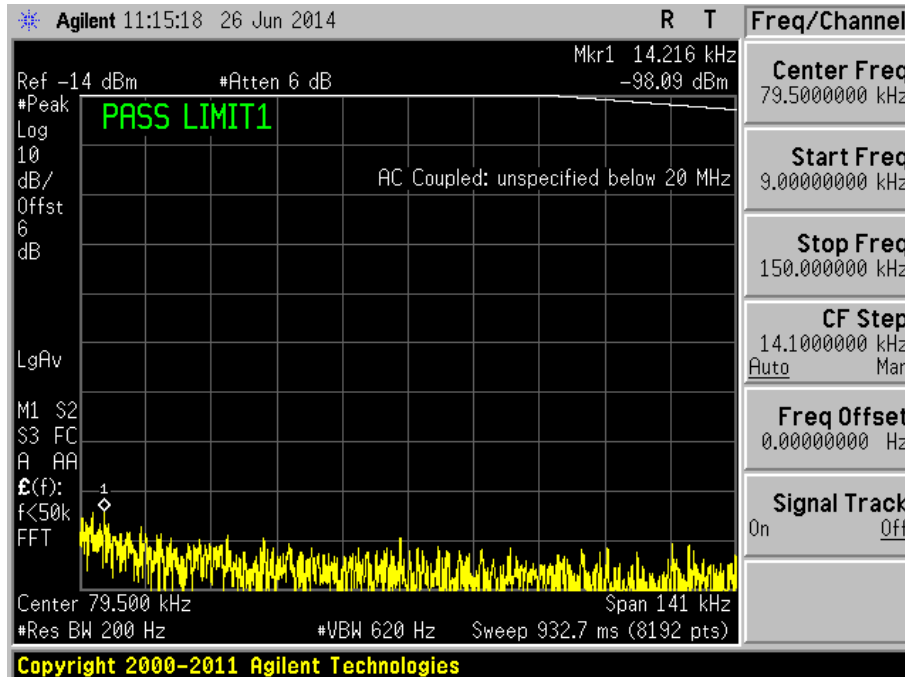
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



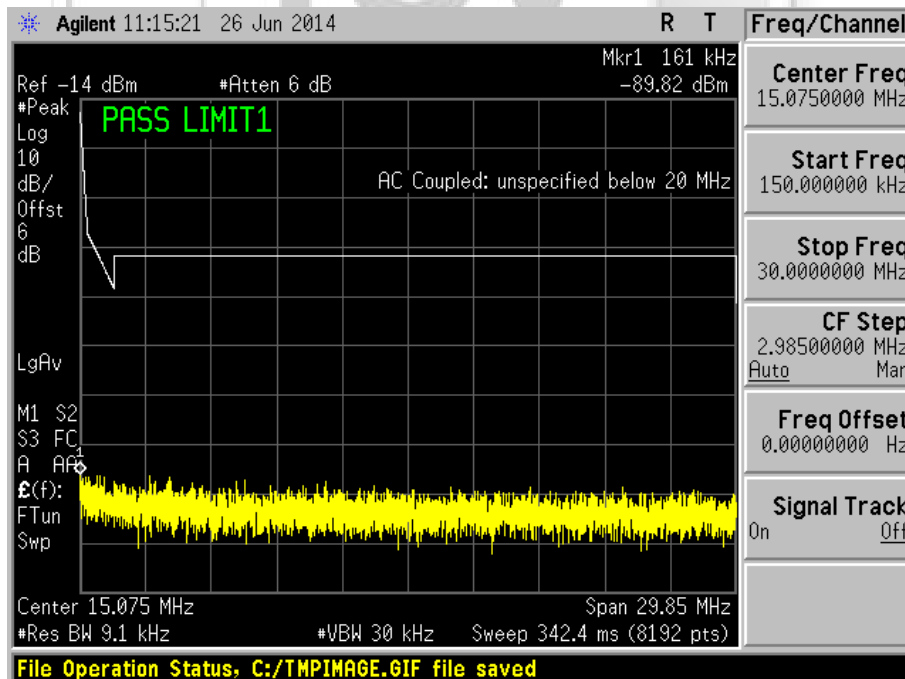
Plot 1773 – Channel 11 (upper ch) @ 16QAM 78Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



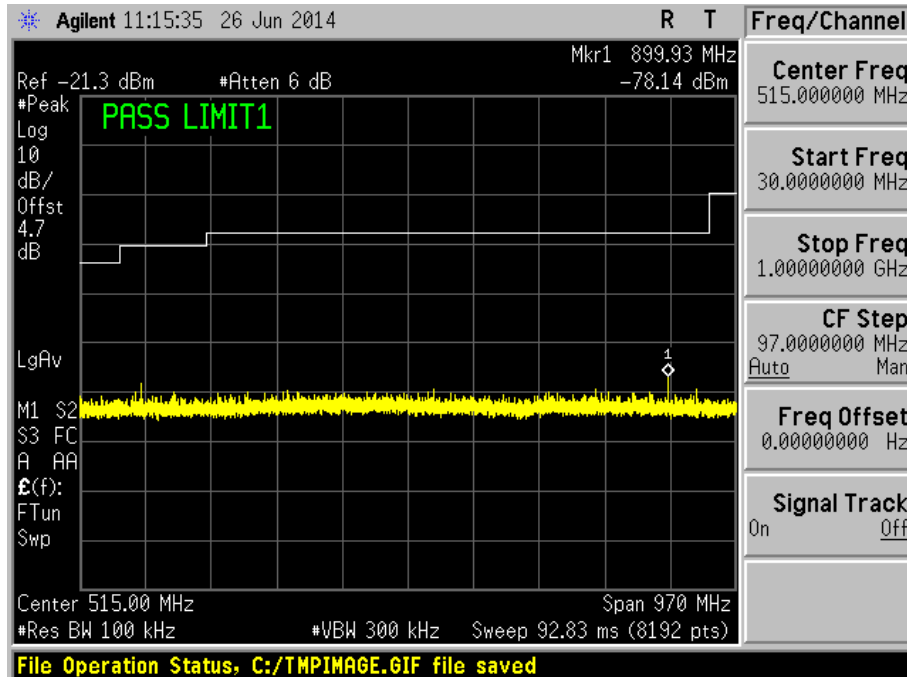
Plot 1774 – Channel 11 (upper ch) @ 64QAM 130Mbps



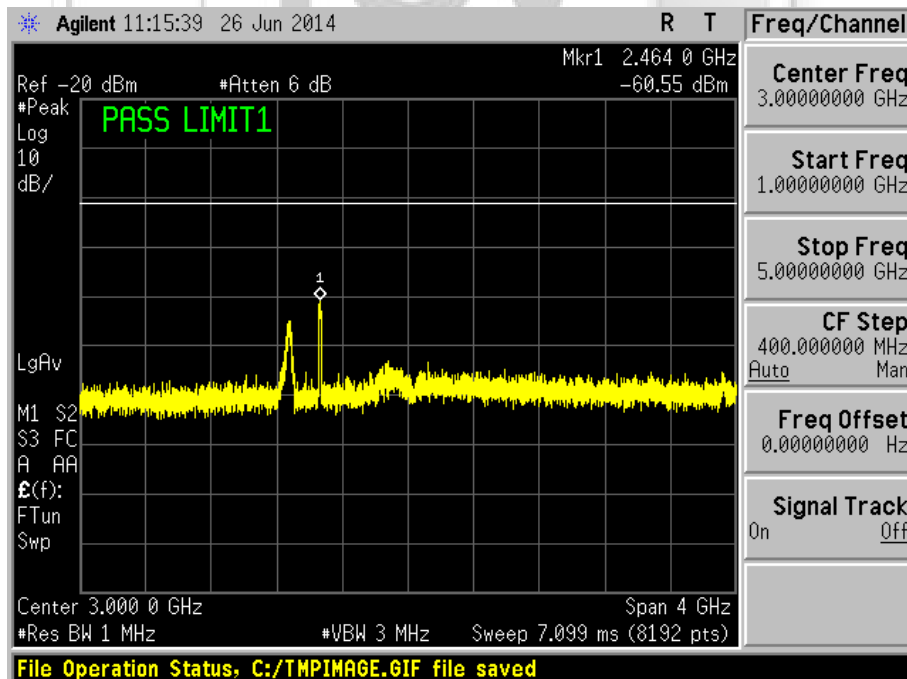
Plot 1775 – Channel 11 (upper ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



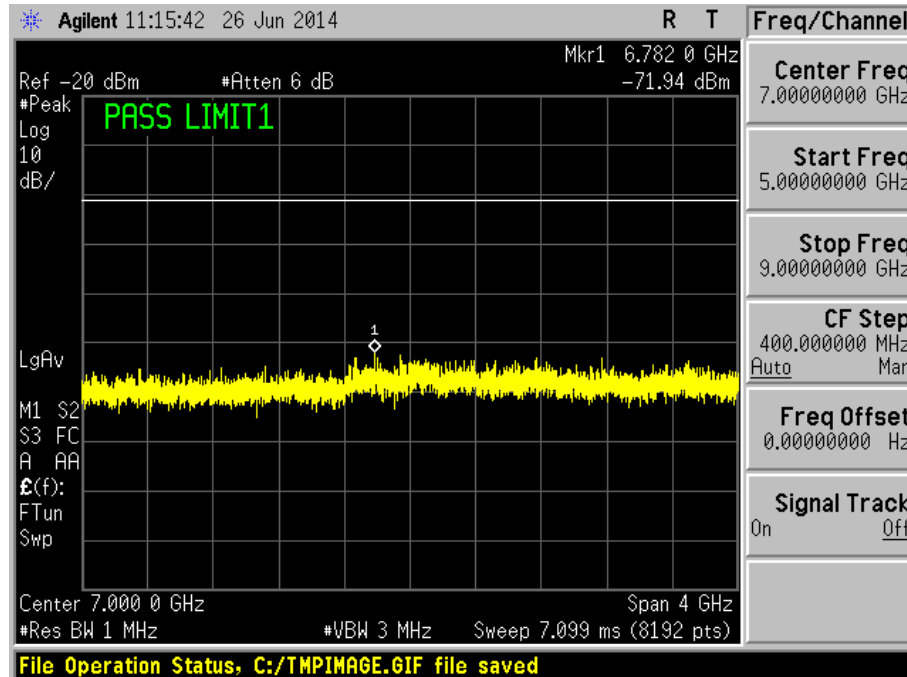
Plot 1776 – Channel 11 (upper ch) @ 64QAM 130Mbps



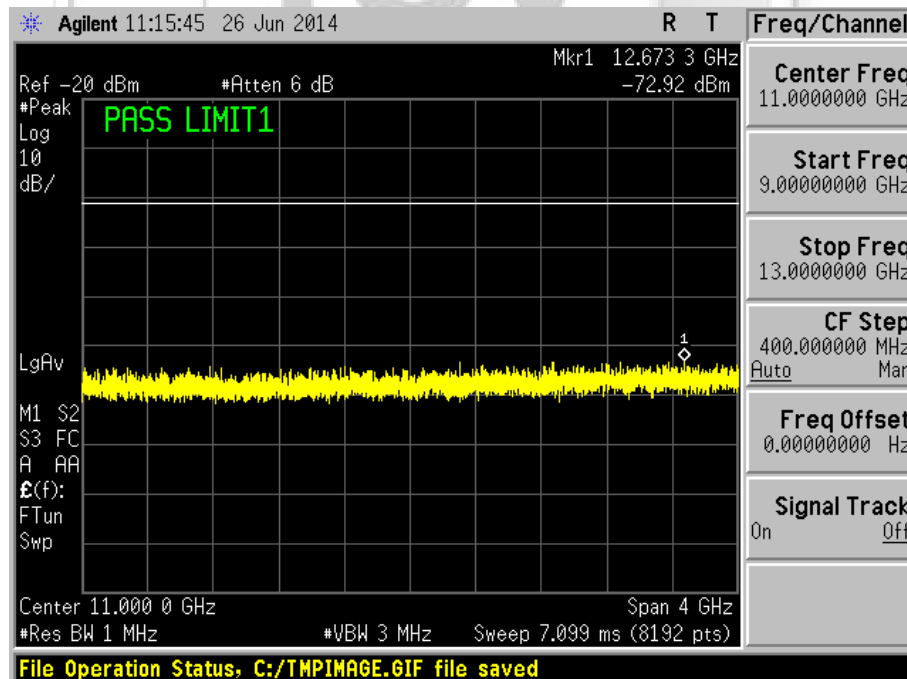
Plot 1777 – Channel 11 (upper ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



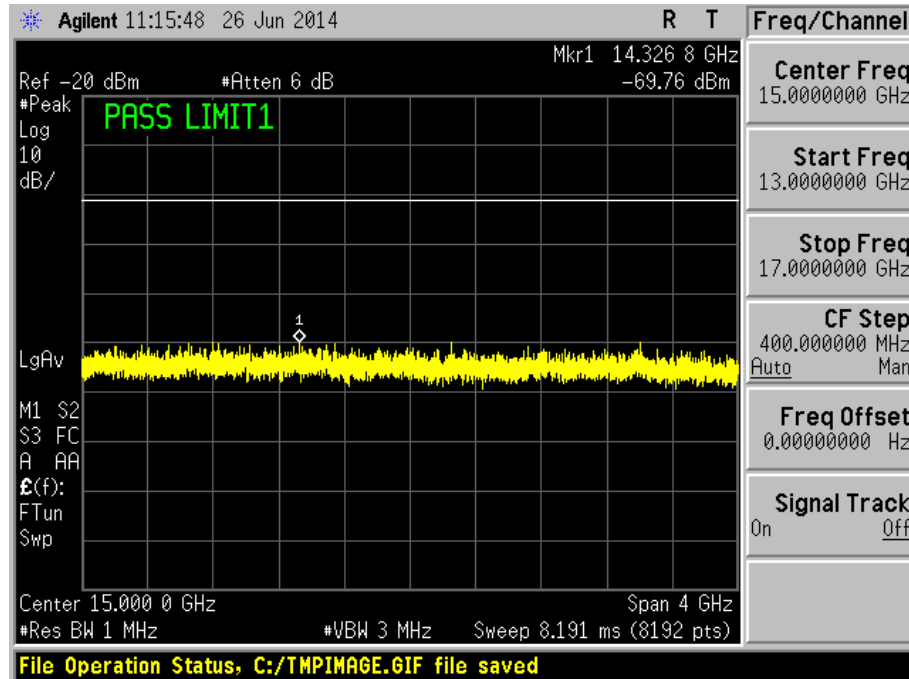
Plot 1778 – Channel 11 (upper ch) @ 64QAM 130Mbps



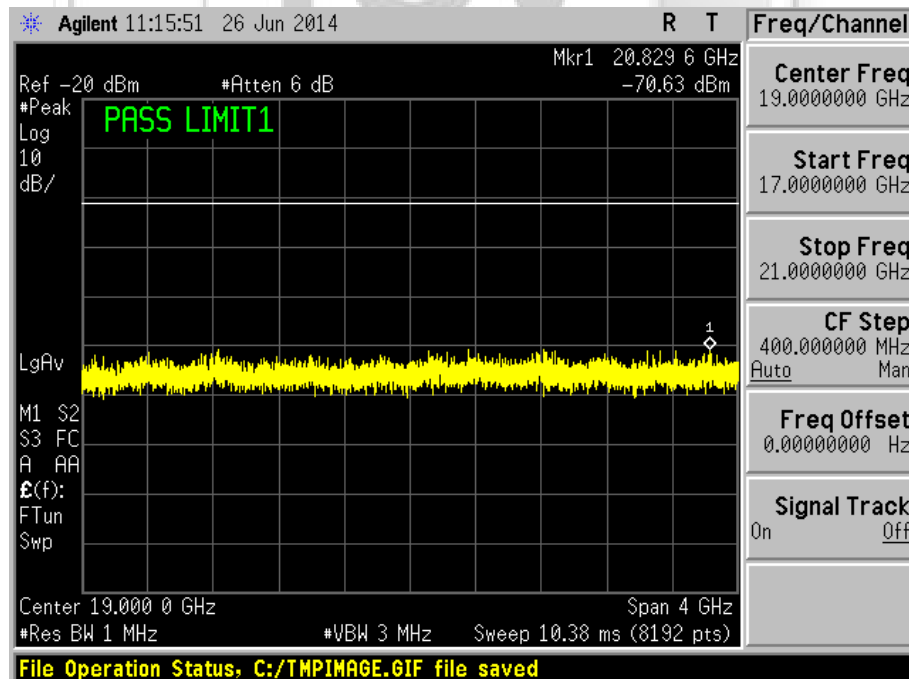
Plot 1779 – Channel 11 (upper ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



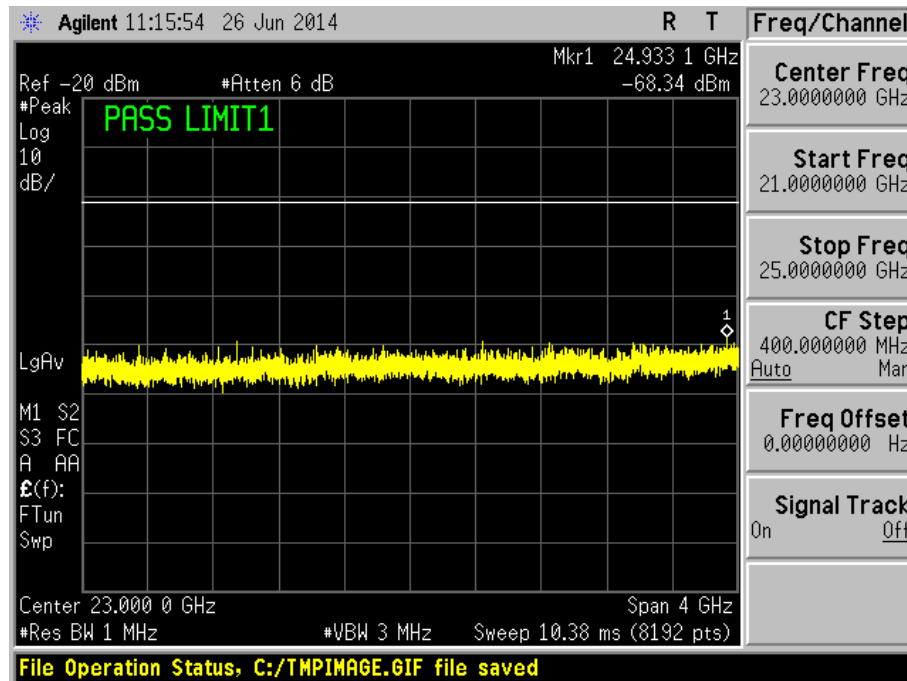
Plot 1780 – Channel 11 (upper ch) @ 64QAM 130Mbps



Plot 1781 – Channel 11 (upper ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

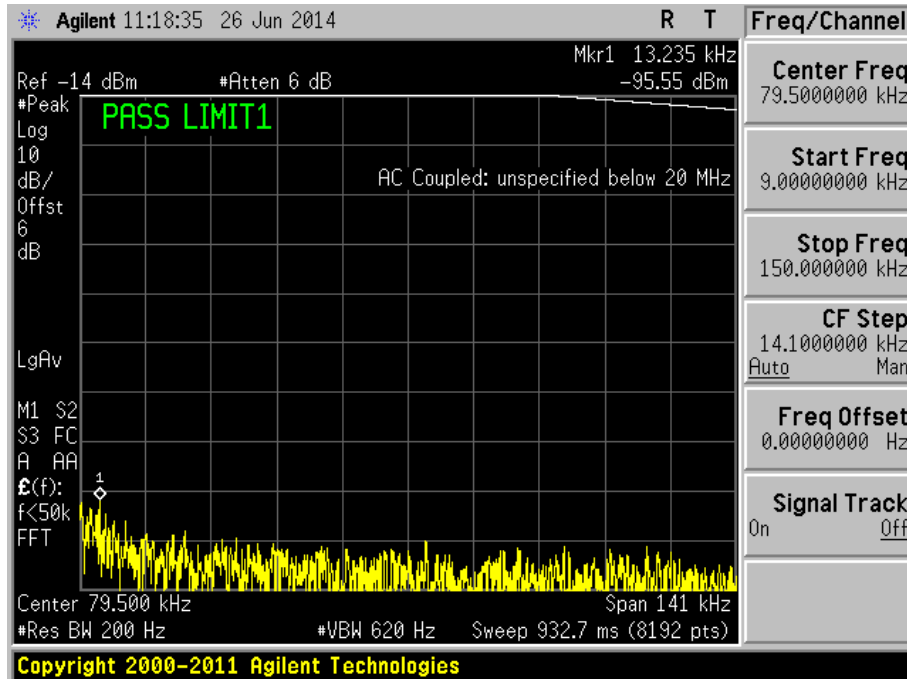
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (20MHz)



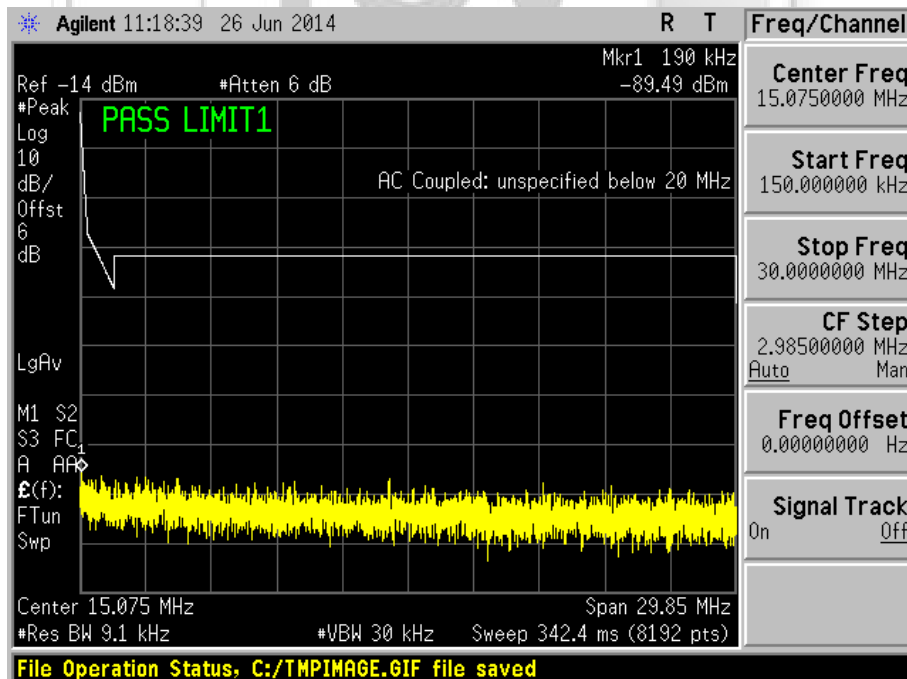
Plot 1782 – Channel 11 (upper ch) @ 64QAM 130Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



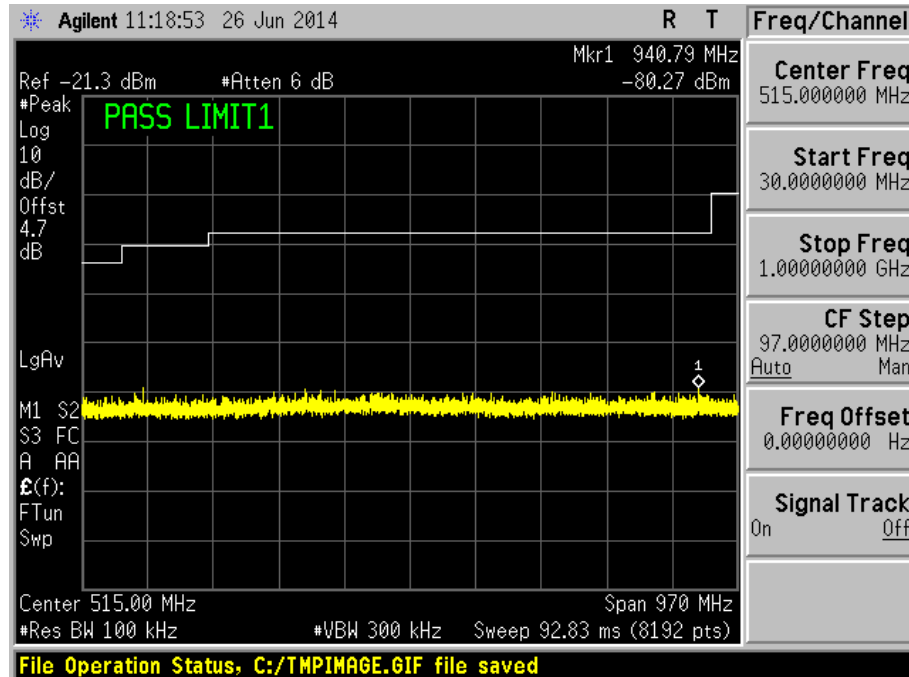
Plot 1783 – Channel 3 (lower ch) @ BPSK 27Mbps



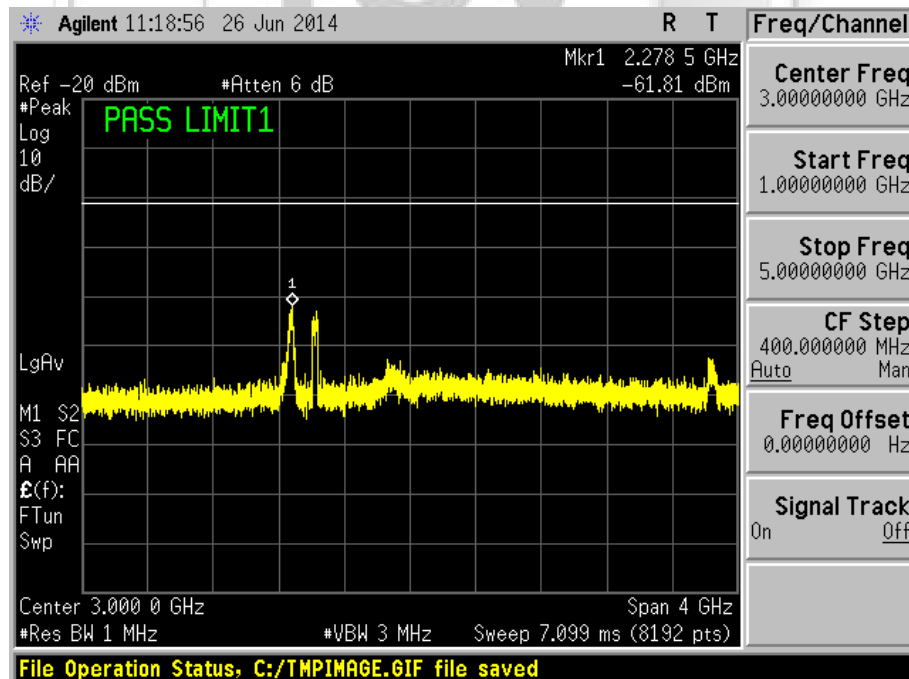
Plot 1784 – Channel 3 (lower ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



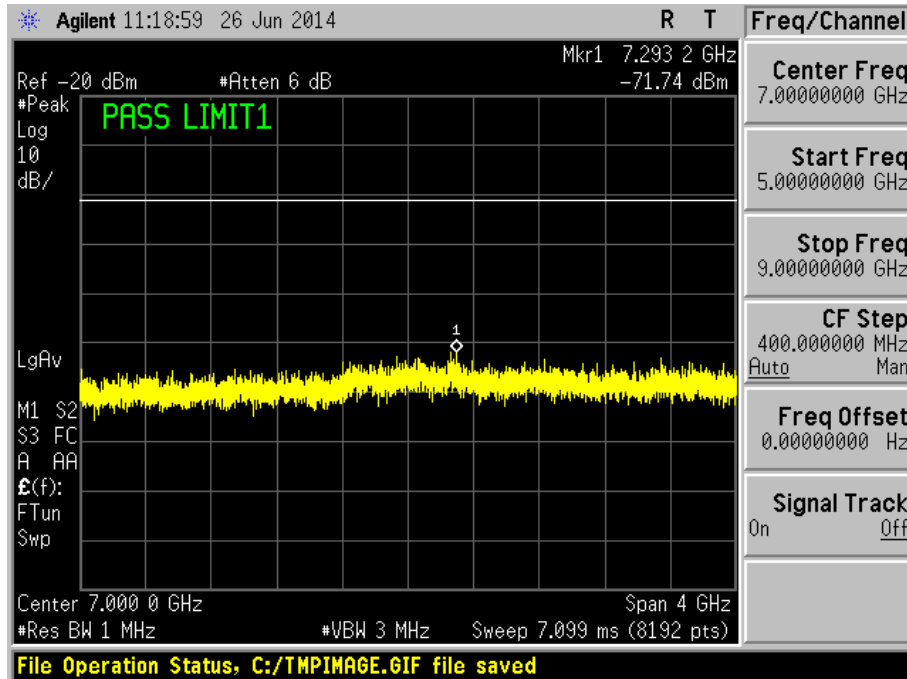
Plot 1785 – Channel 3 (lower ch) @ BPSK 27Mbps



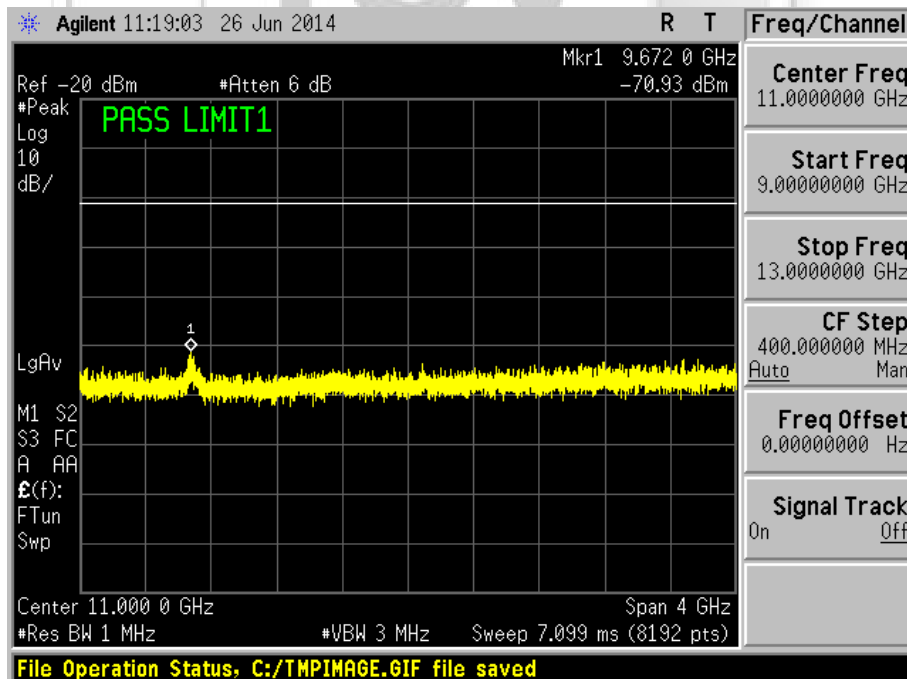
Plot 1786 – Channel 3 (lower ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



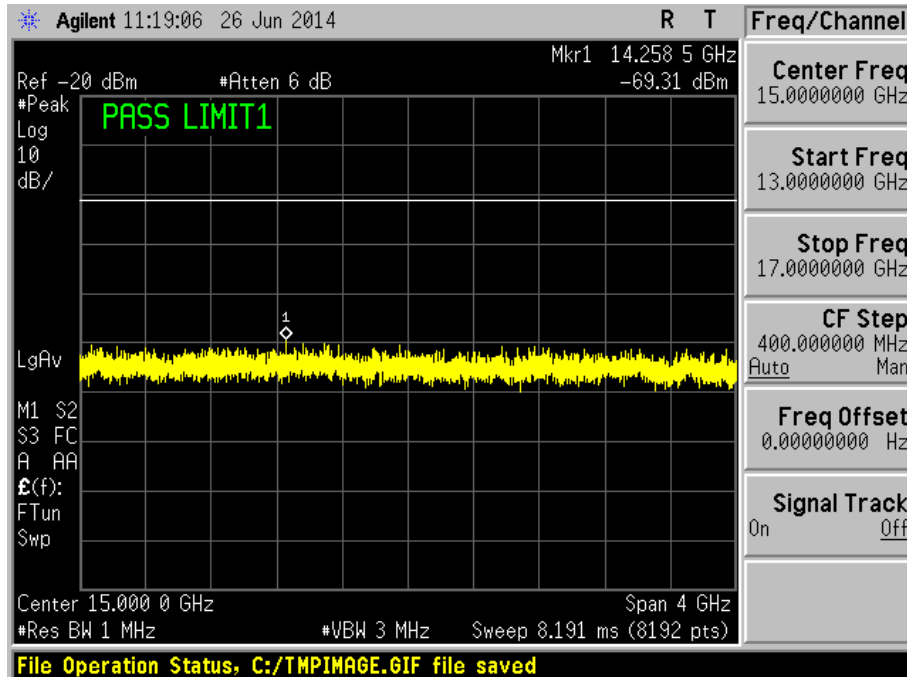
Plot 1787 – Channel 3 (lower ch) @ BPSK 27Mbps



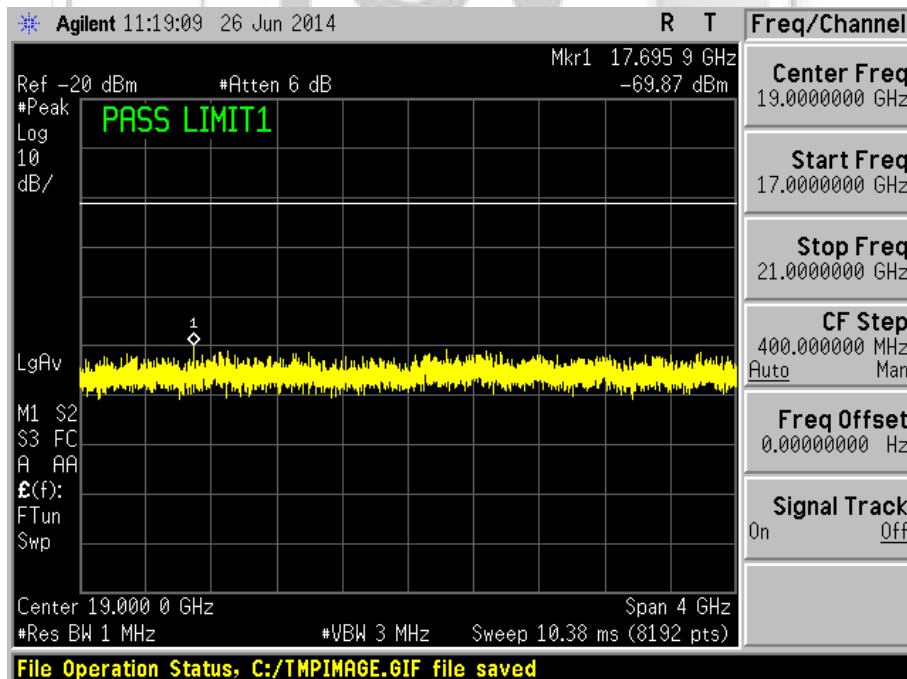
Plot 1788 – Channel 3 (lower ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



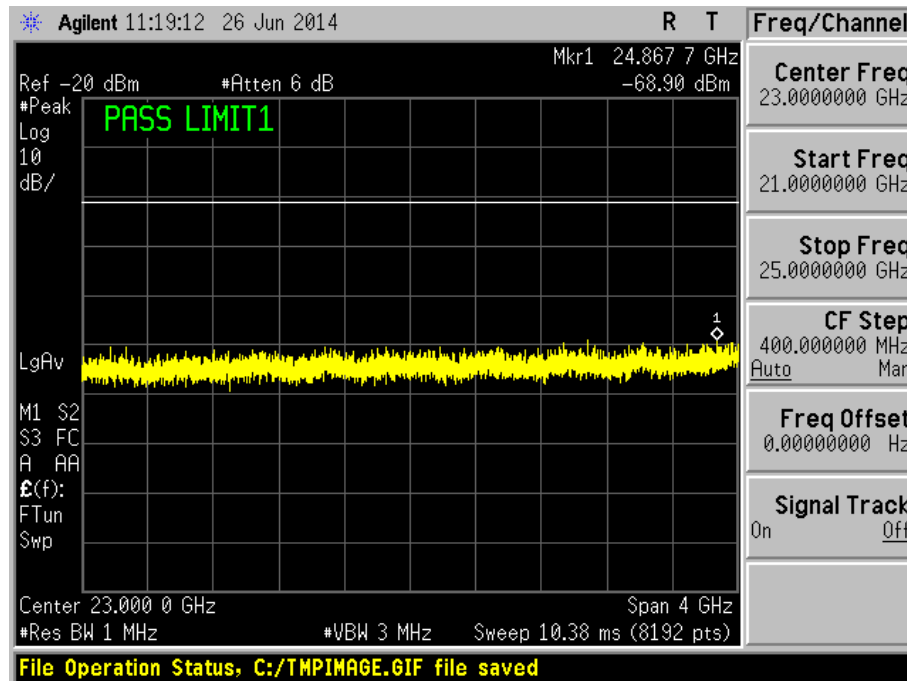
Plot 1789 – Channel 3 (lower ch) @ BPSK 27Mbps



Plot 1790 – Channel 3 (lower ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

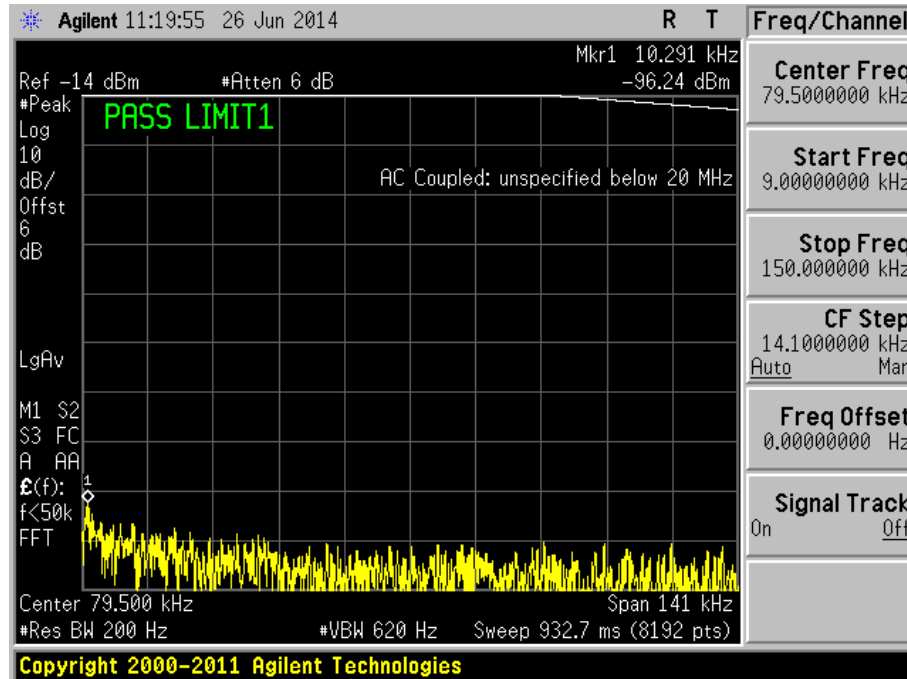
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



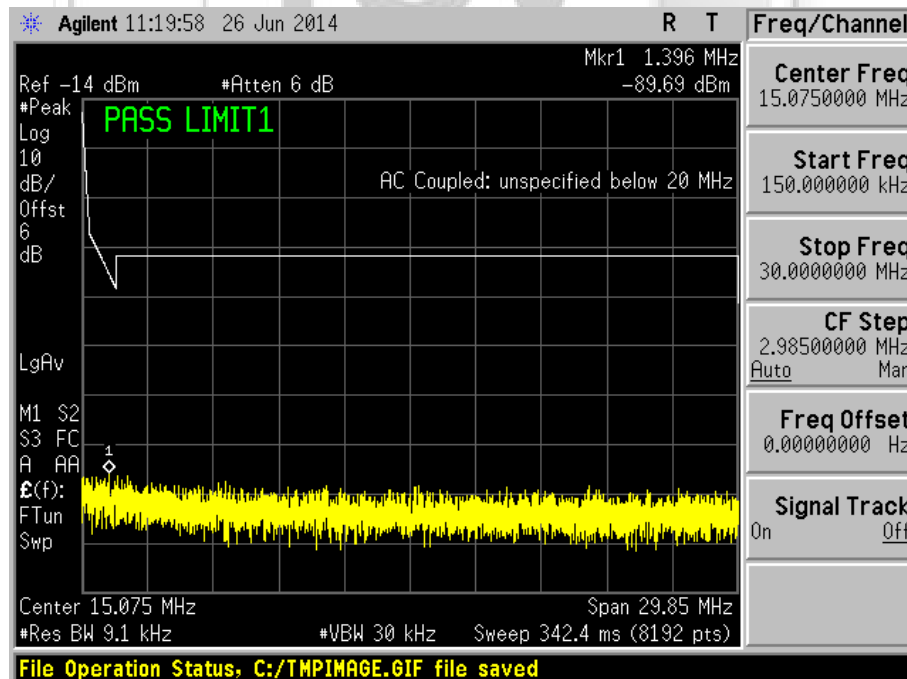
Plot 1791 – Channel 3 (lower ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



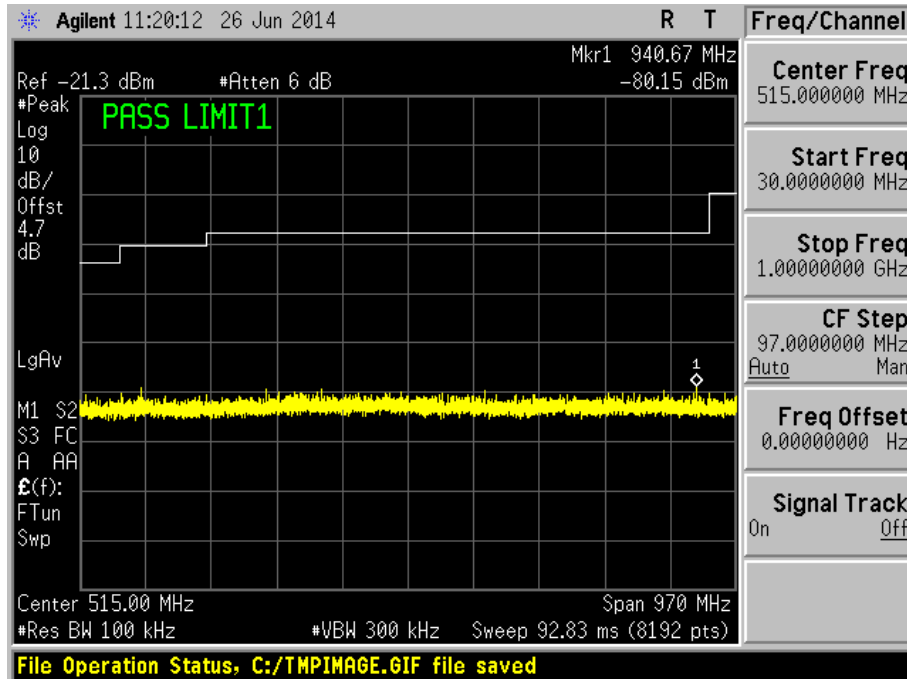
Plot 1792 – Channel 3 (lower ch) @ QPSK 81Mbps



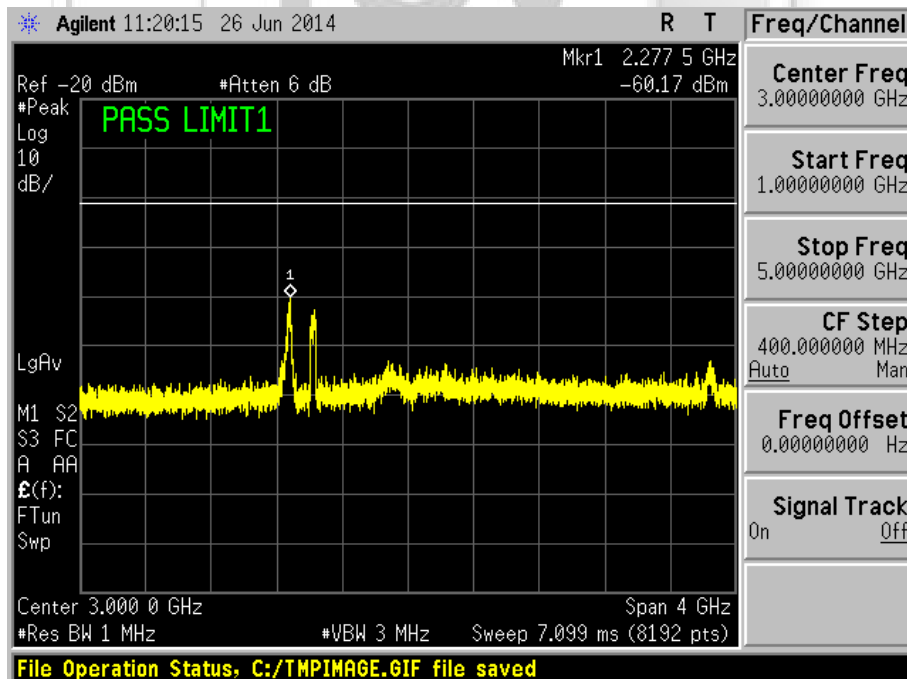
Plot 1793 – Channel 3 (lower ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



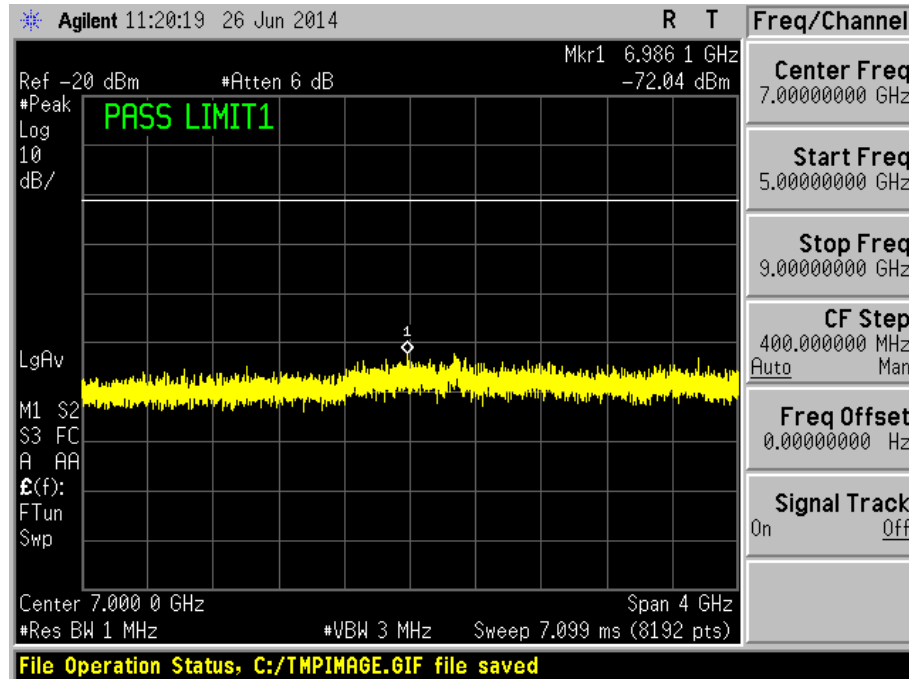
Plot 1794 – Channel 3 (lower ch) @ QPSK 81Mbps



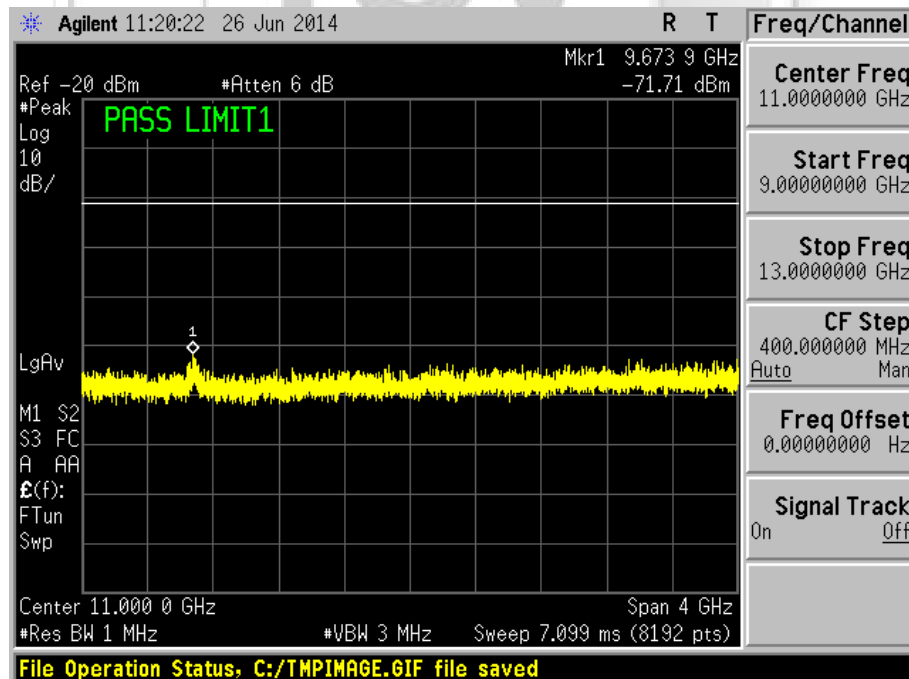
Plot 1795 – Channel 3 (lower ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



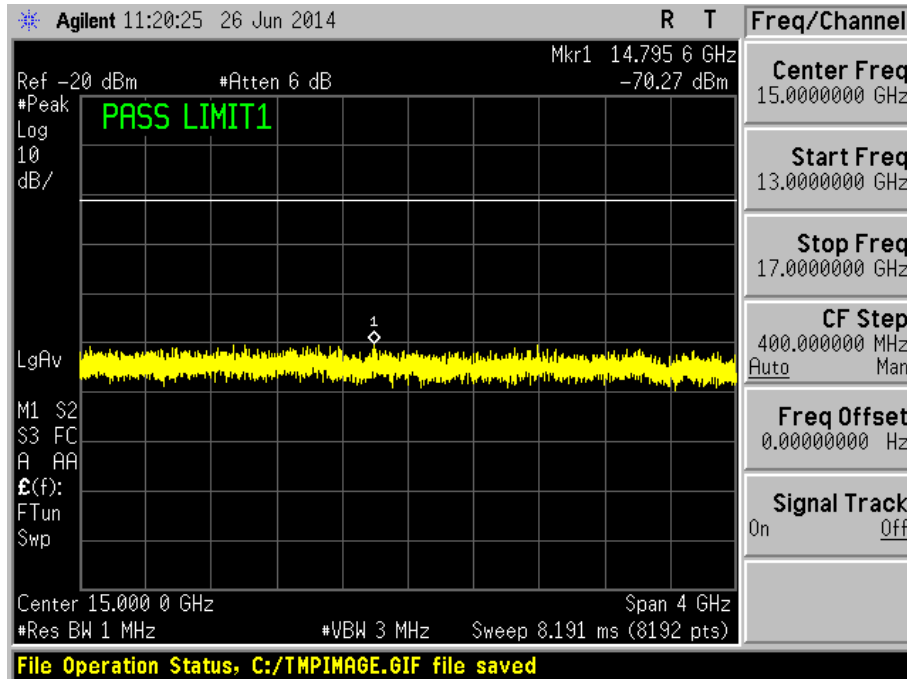
Plot 1796 – Channel 3 (lower ch) @ QPSK 81Mbps



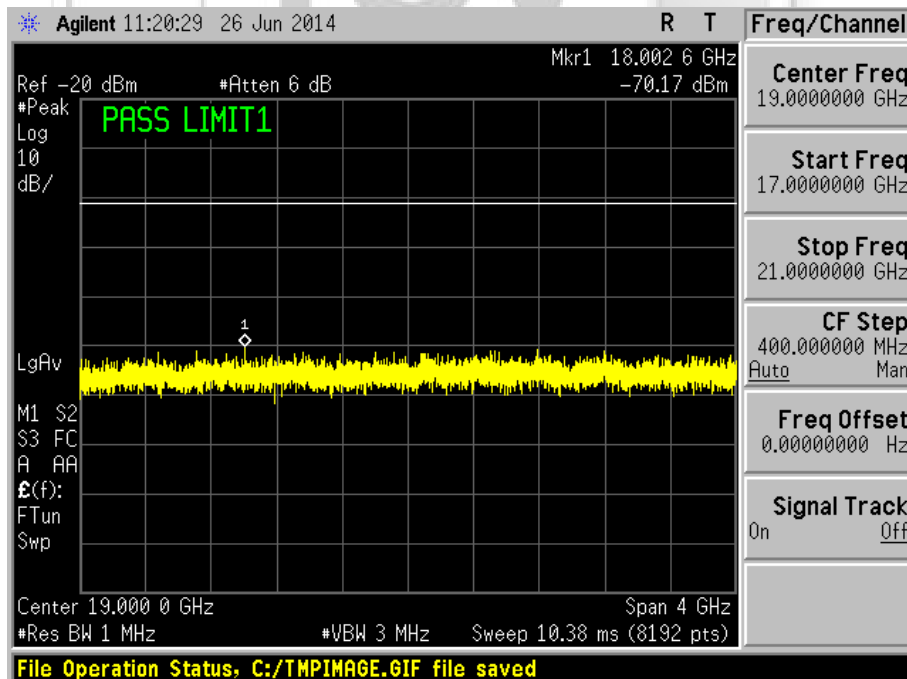
Plot 1797 – Channel 3 (lower ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



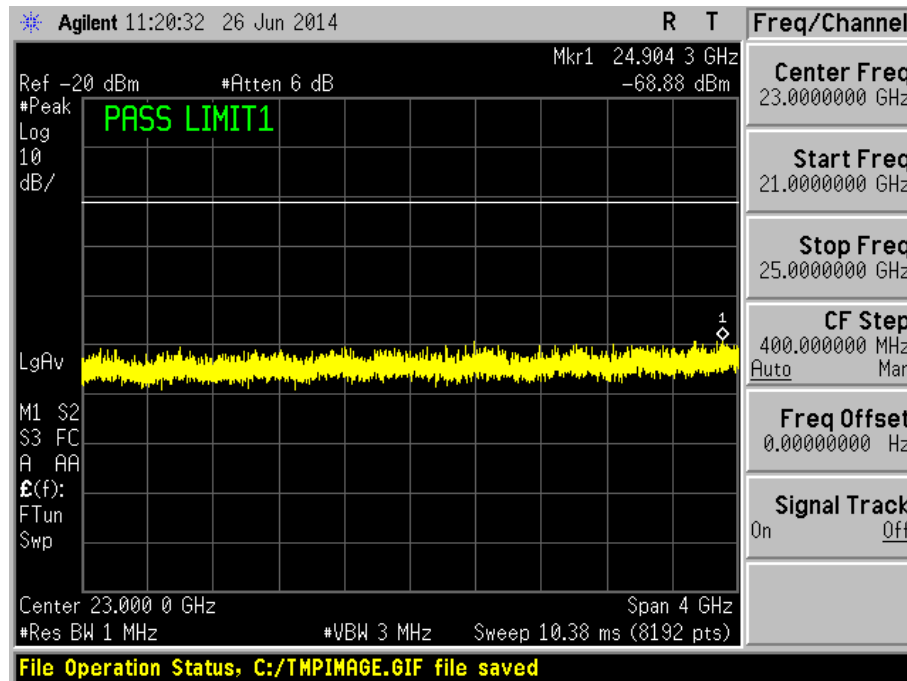
Plot 1798 – Channel 3 (lower ch) @ QPSK 81Mbps



Plot 1799 – Channel 3 (lower ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

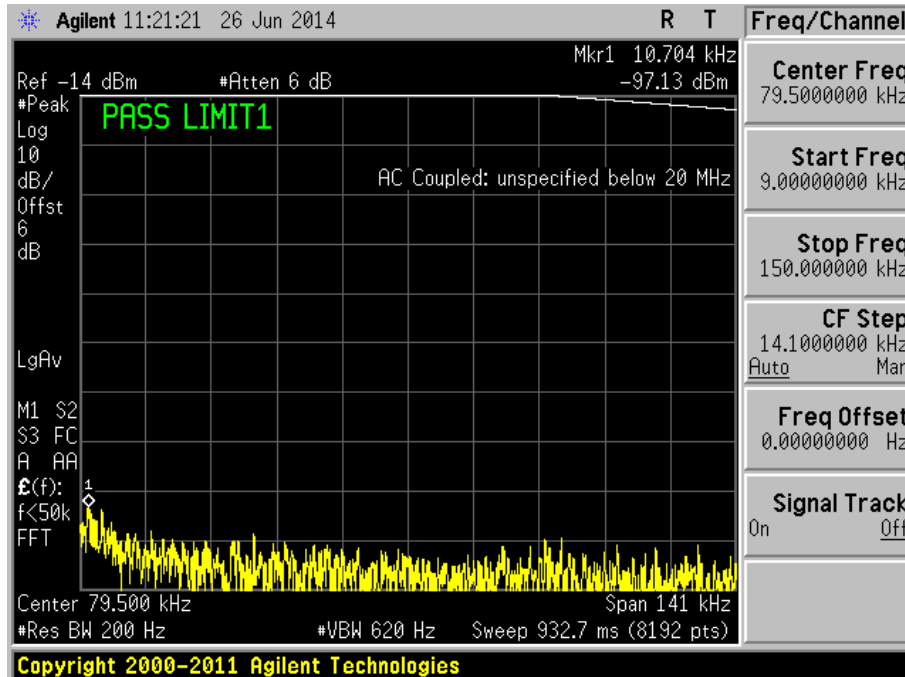
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



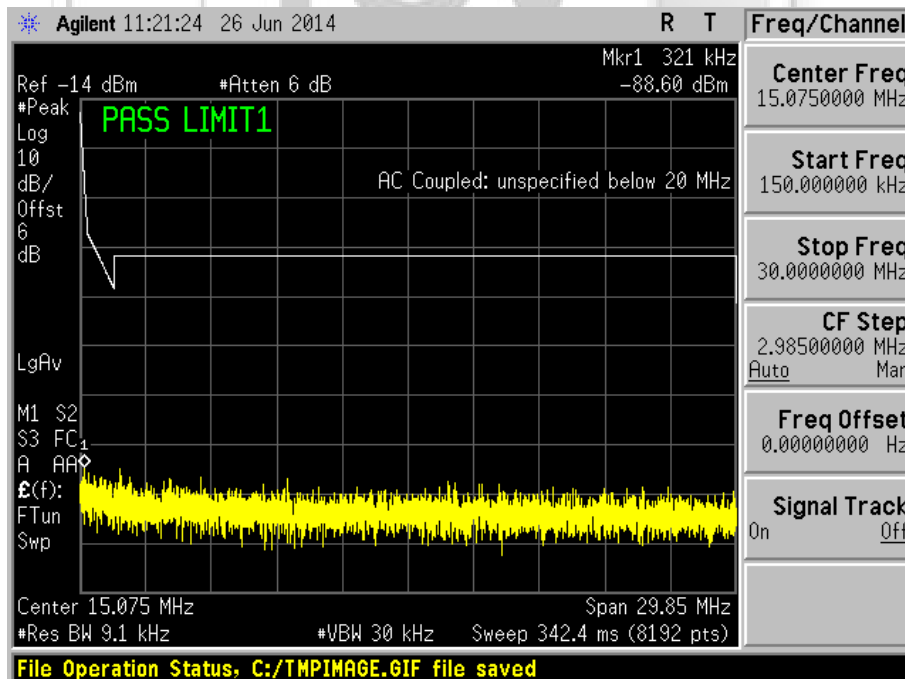
Plot 1800 – Channel 3 (lower ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



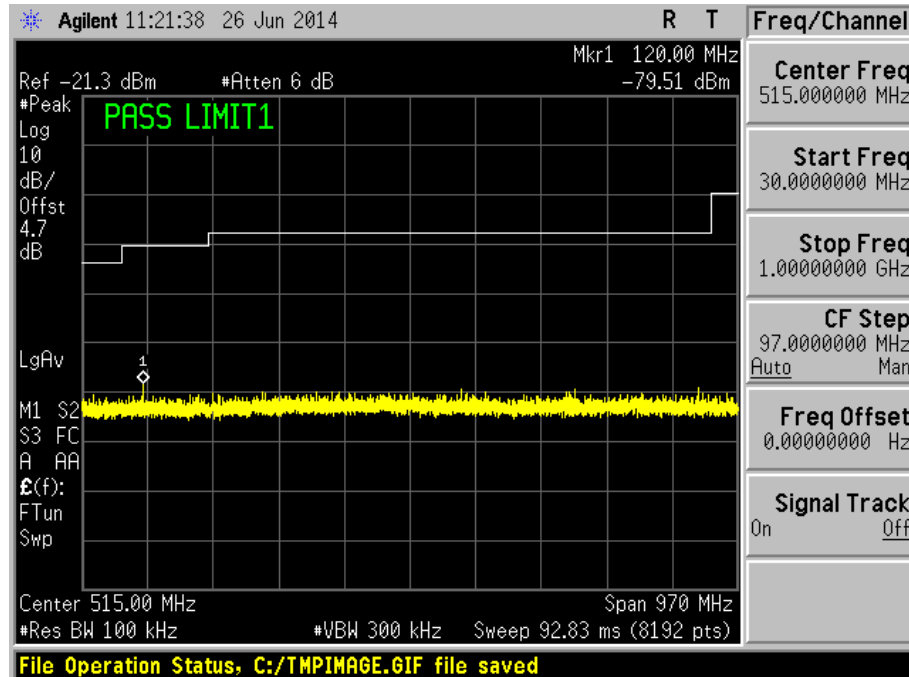
Plot 1801 – Channel 3 (lower ch) @ 16QAM 162Mbps



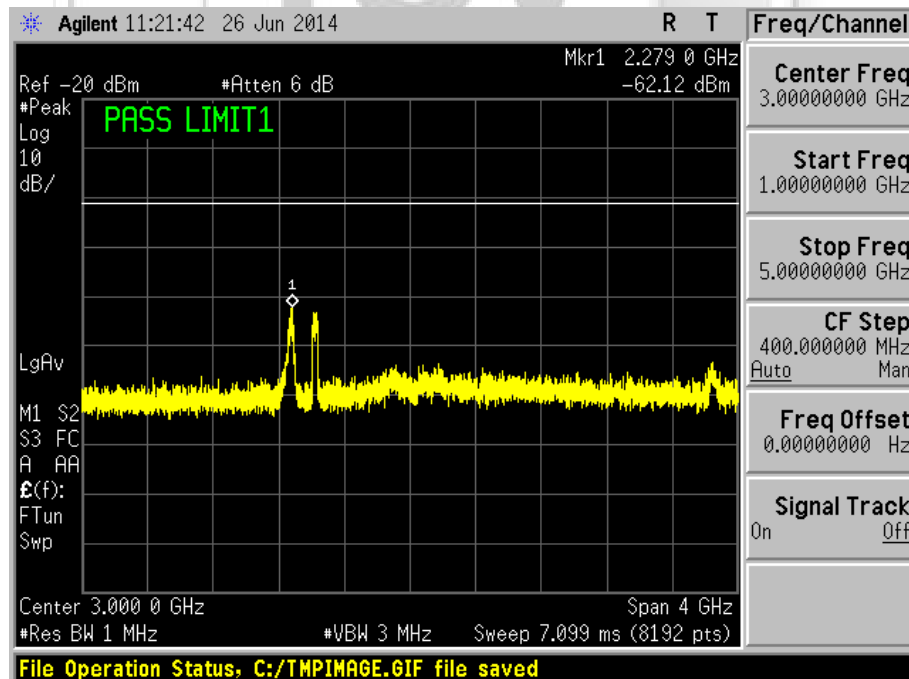
Plot 1802 – Channel 3 (lower ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



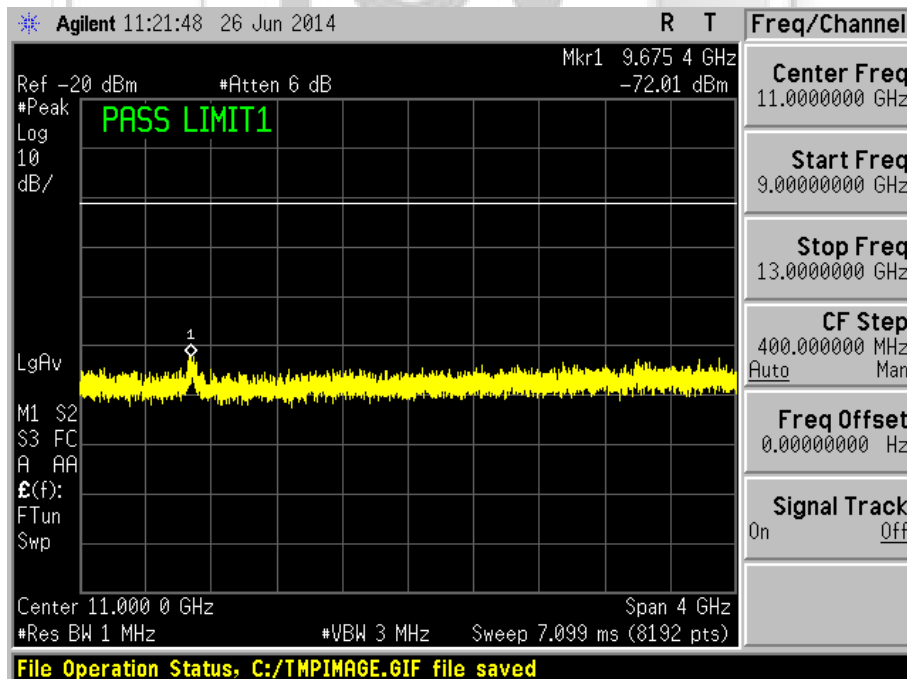
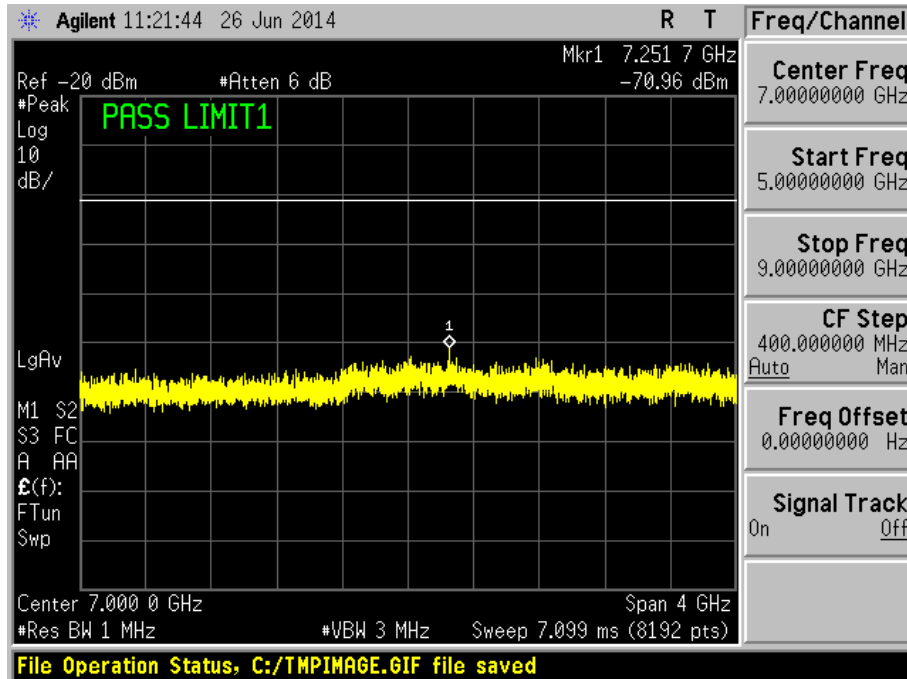
Plot 1803 – Channel 3 (lower ch) @ 16QAM 162Mbps



Plot 1804 – Channel 3 (lower ch) @ 16QAM 162Mbps

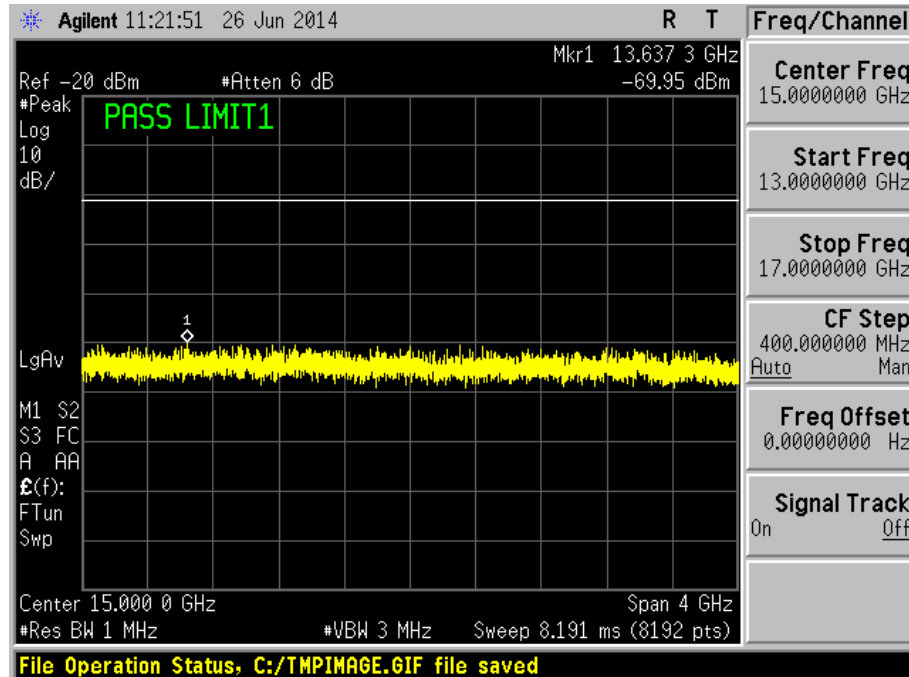
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)

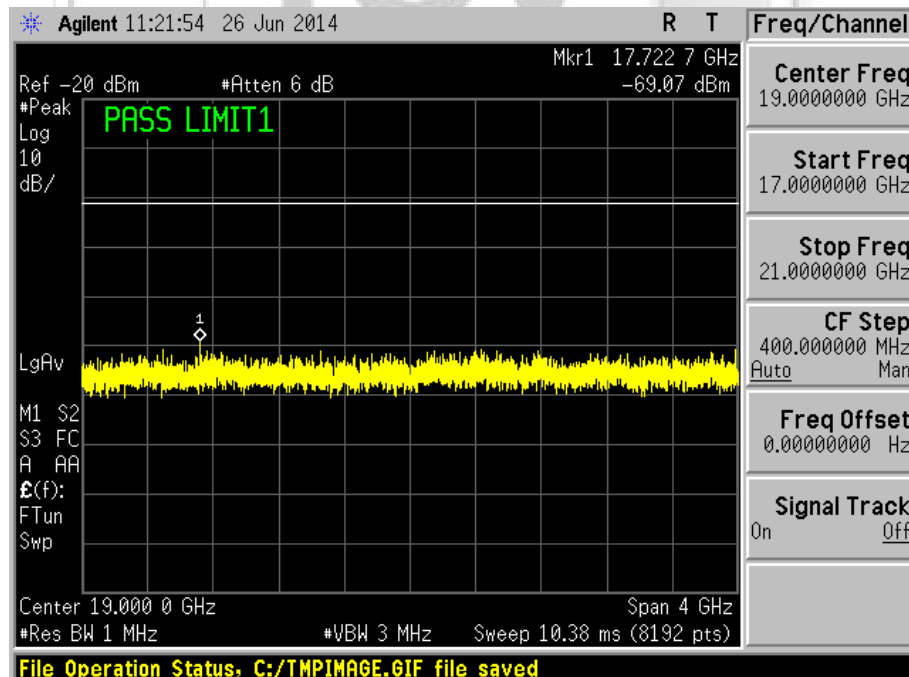


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



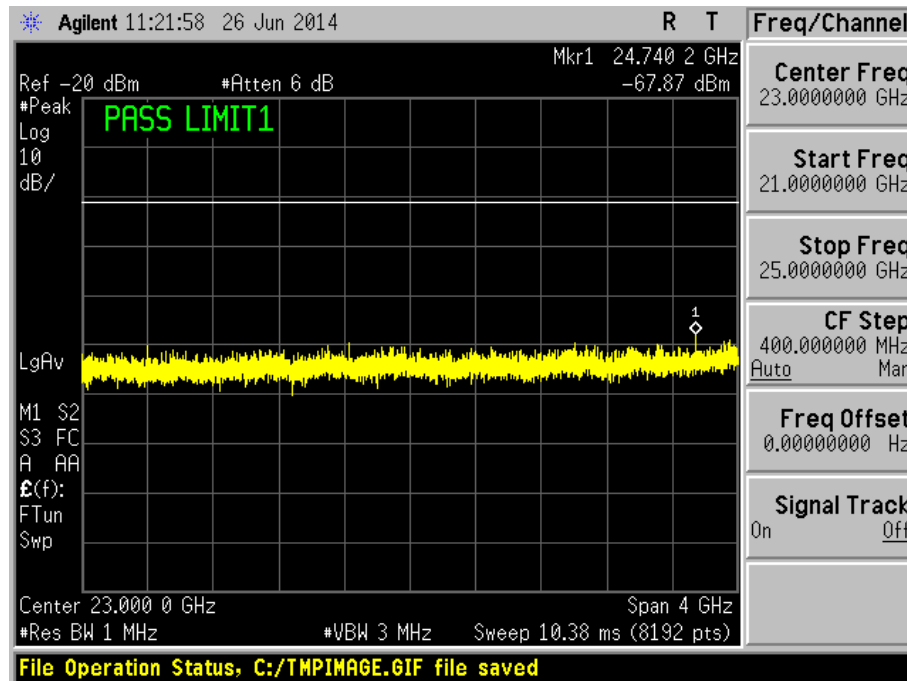
Plot 1807 – Channel 3 (lower ch) @ 16QAM 162Mbps



Plot 1808 – Channel 3 (lower ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

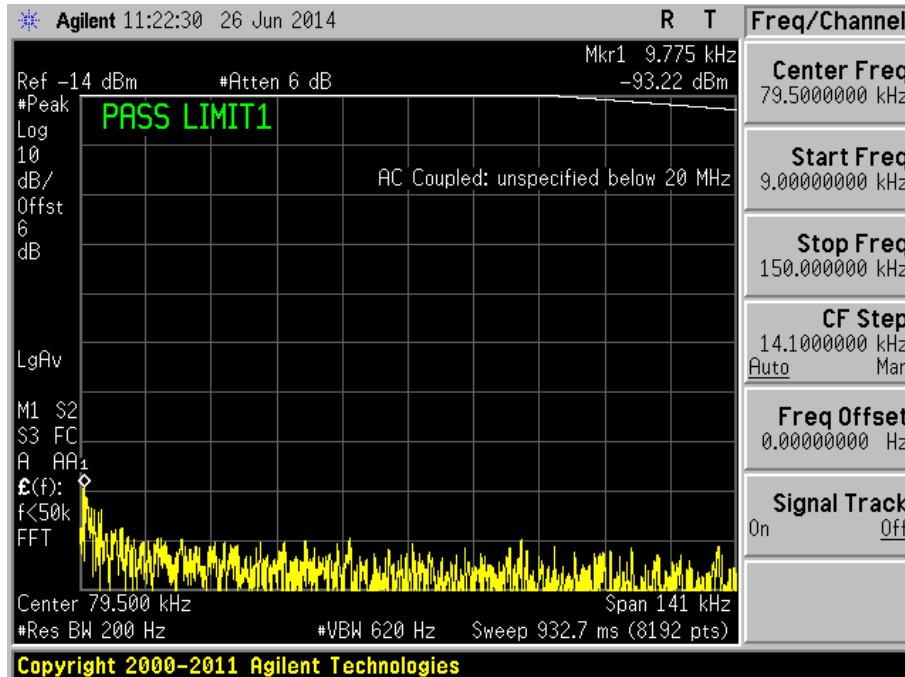
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



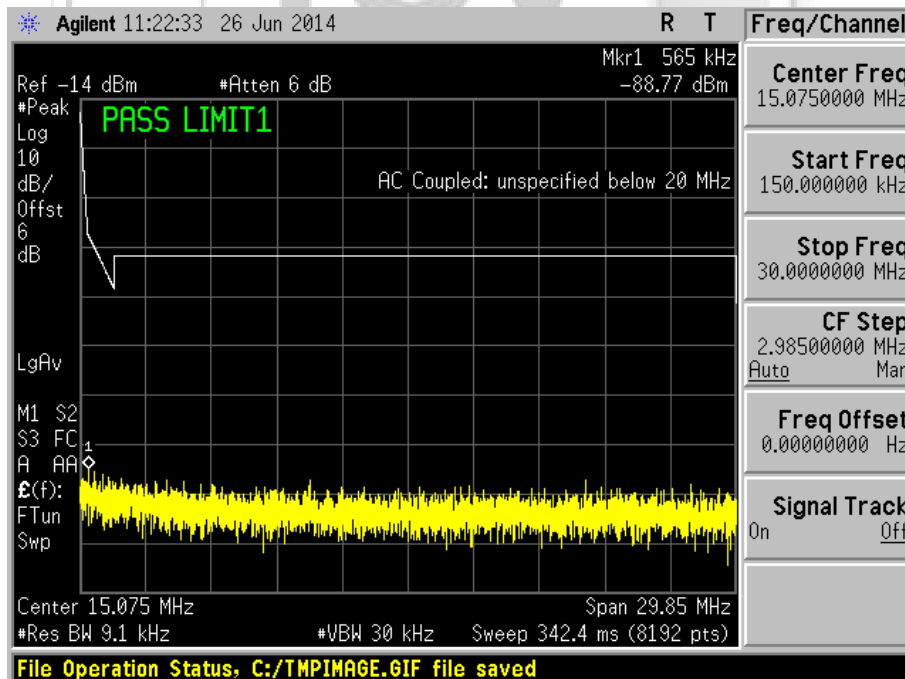
Plot 1809 – Channel 3 (lower ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



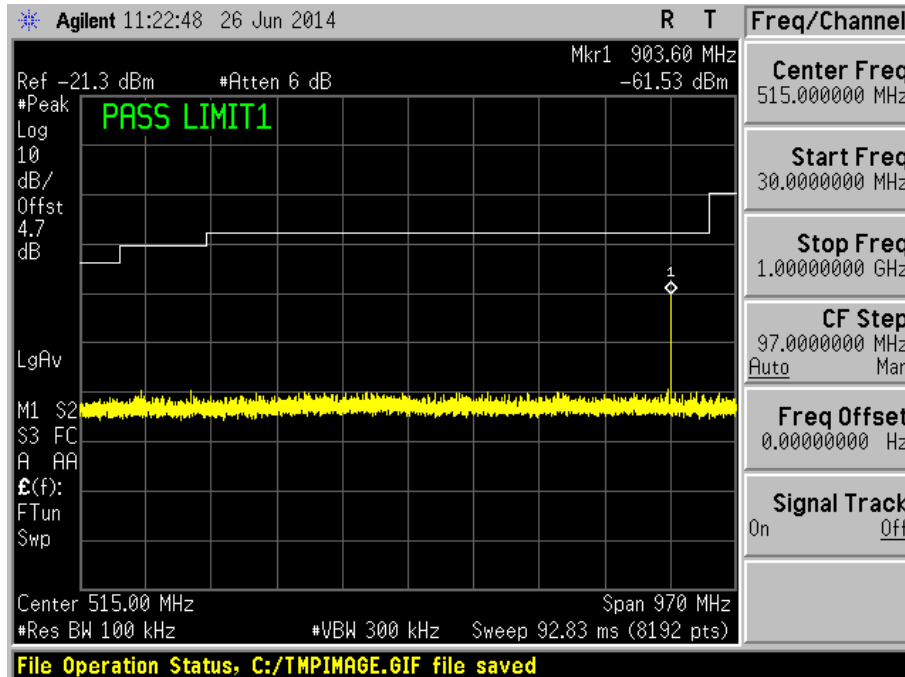
Plot 1810 – Channel 3 (lower ch) @ 64QAM 270Mbps



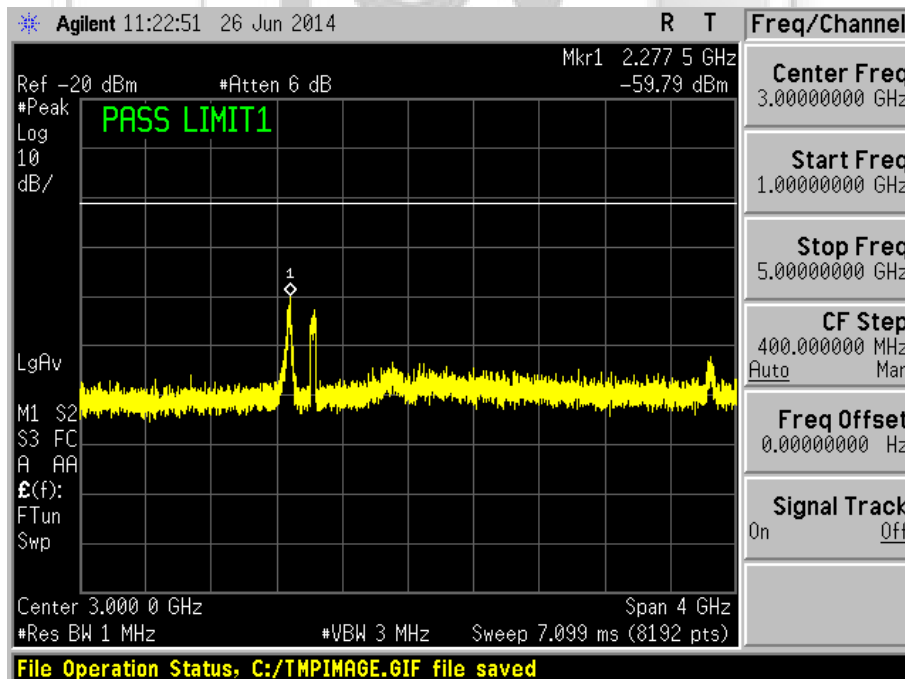
Plot 1811 – Channel 3 (lower ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



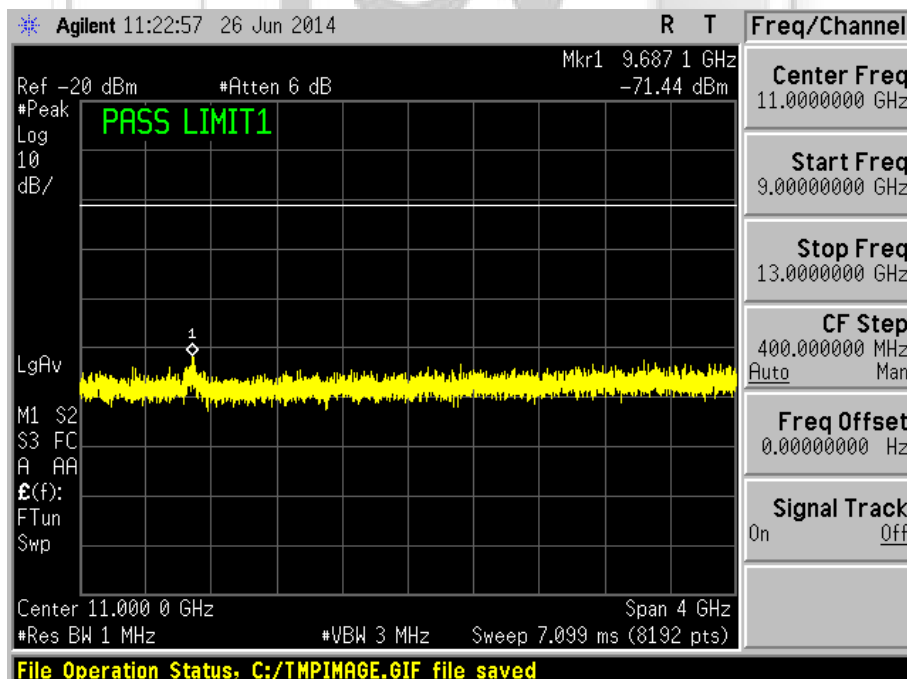
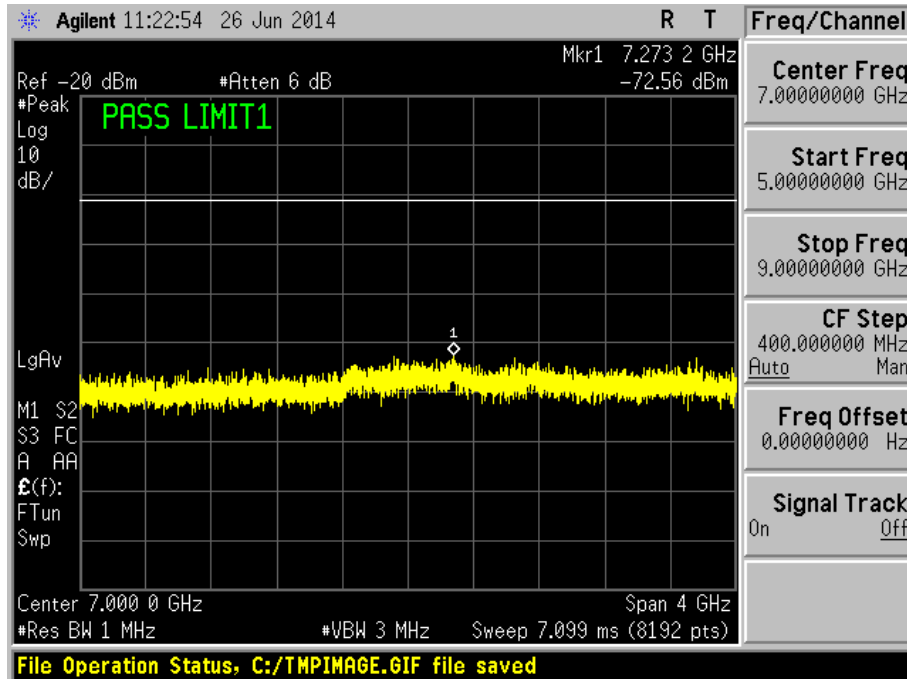
Plot 1812 – Channel 3 (lower ch) @ 64QAM 270Mbps



Plot 1813 – Channel 3 (lower ch) @ 64QAM 270Mbps

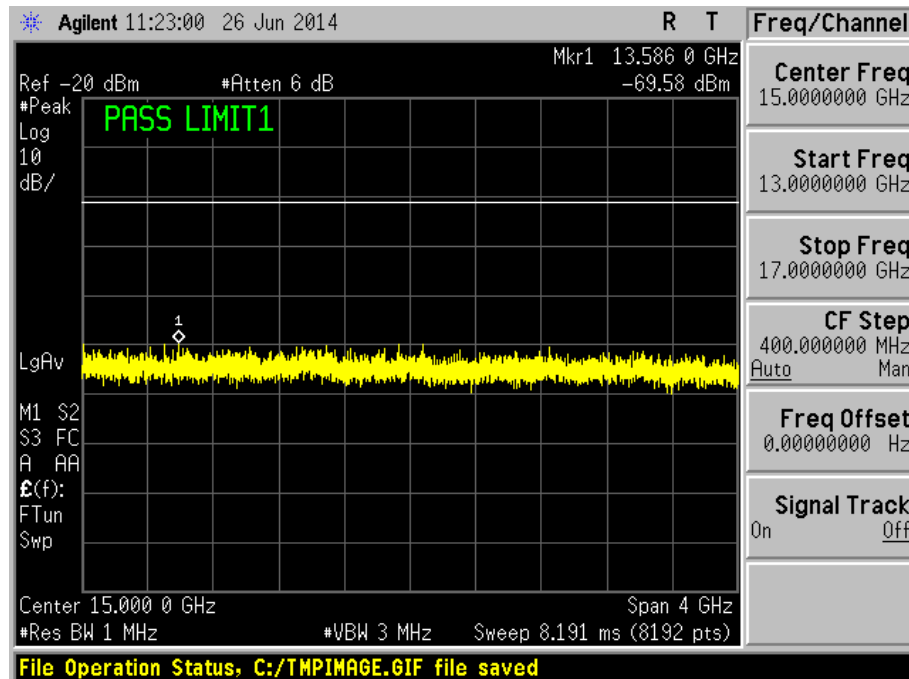
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)

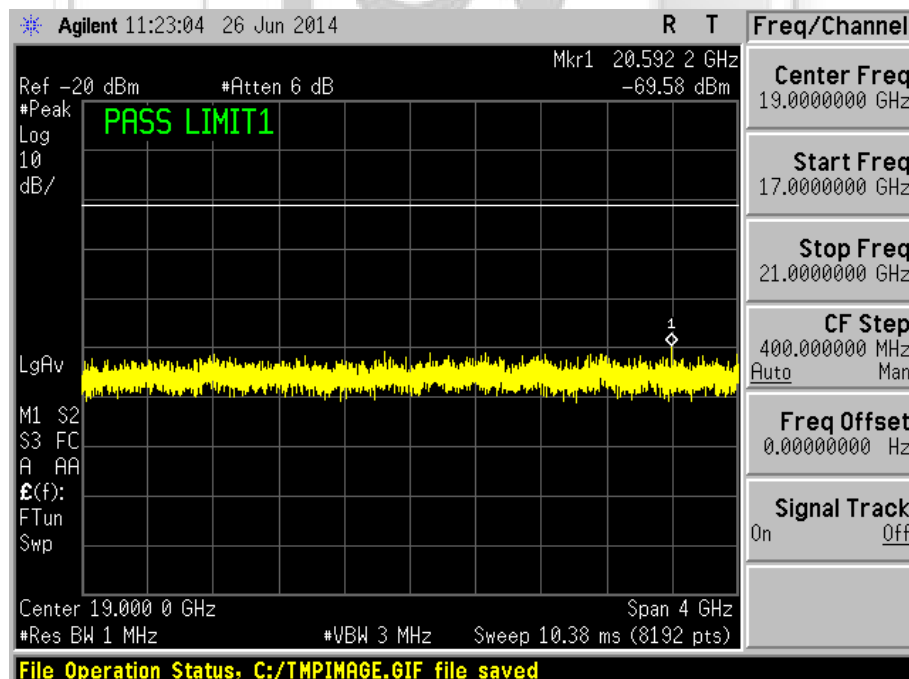


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



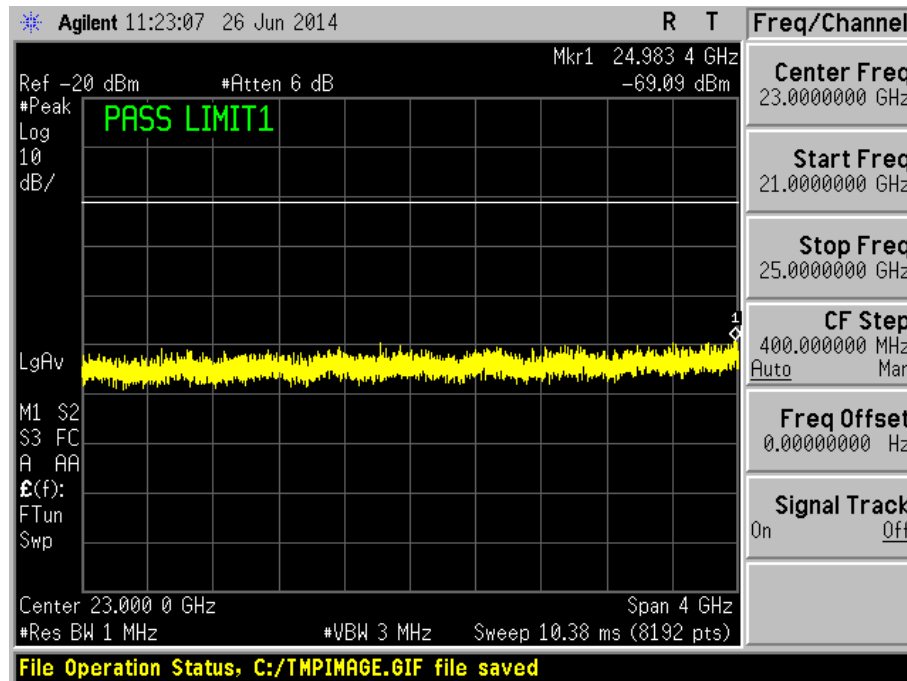
Plot 1816 – Channel 3 (lower ch) @ 64QAM 270Mbps



Plot 1817 – Channel 3 (lower ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

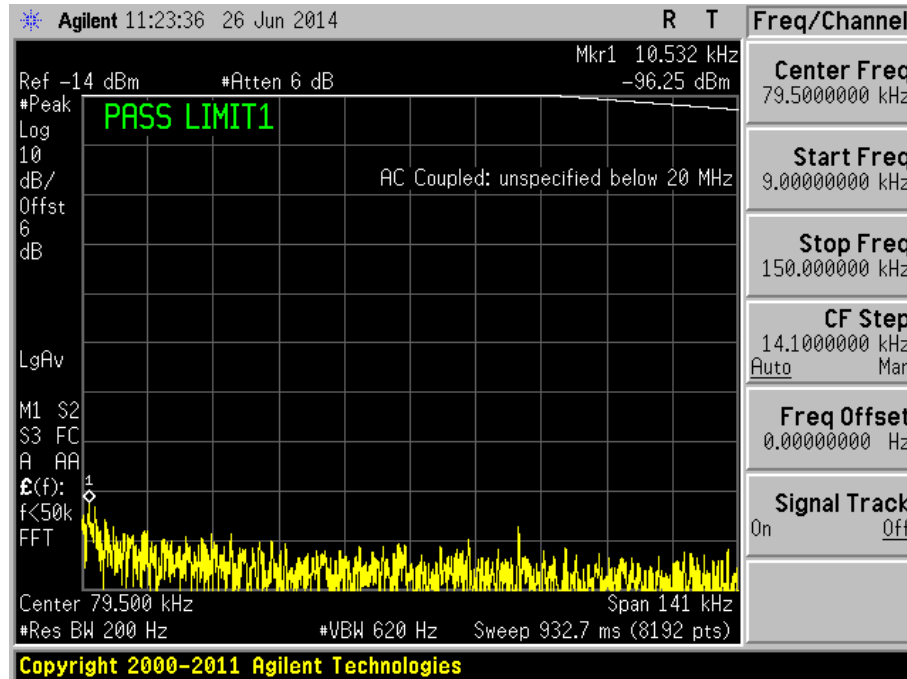
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



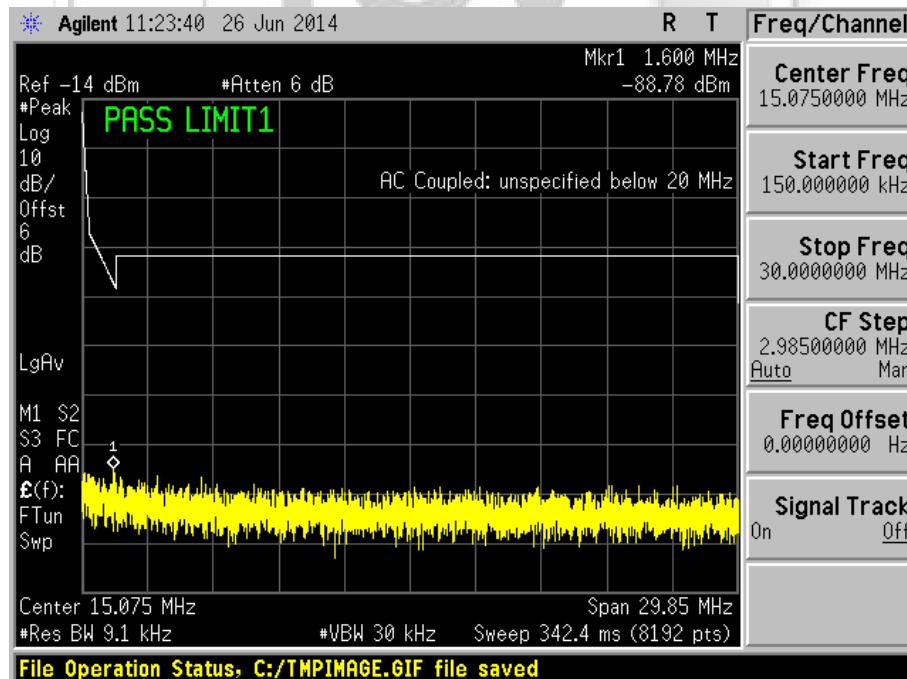
Plot 1818 – Channel 3 (lower ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



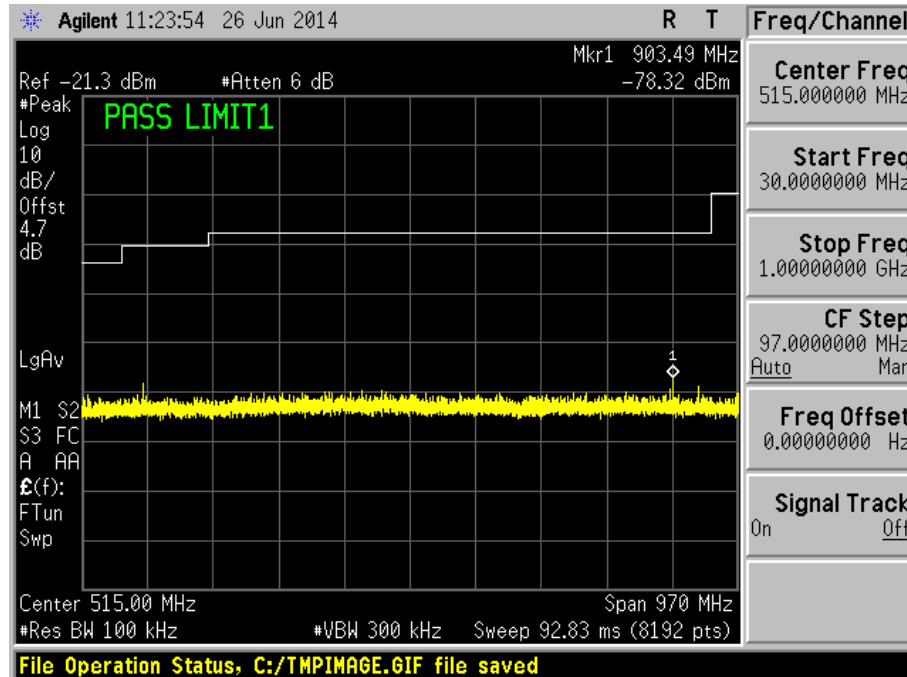
Plot 1819 – Channel 7 (middle ch) @ BPSK 27Mbps



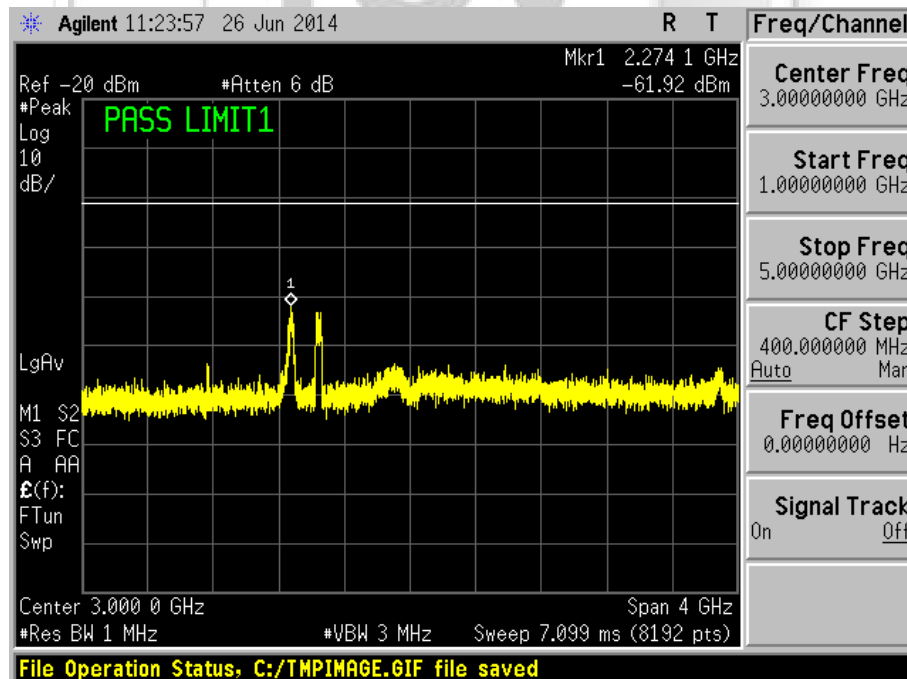
Plot 1820 – Channel 7 (middle ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



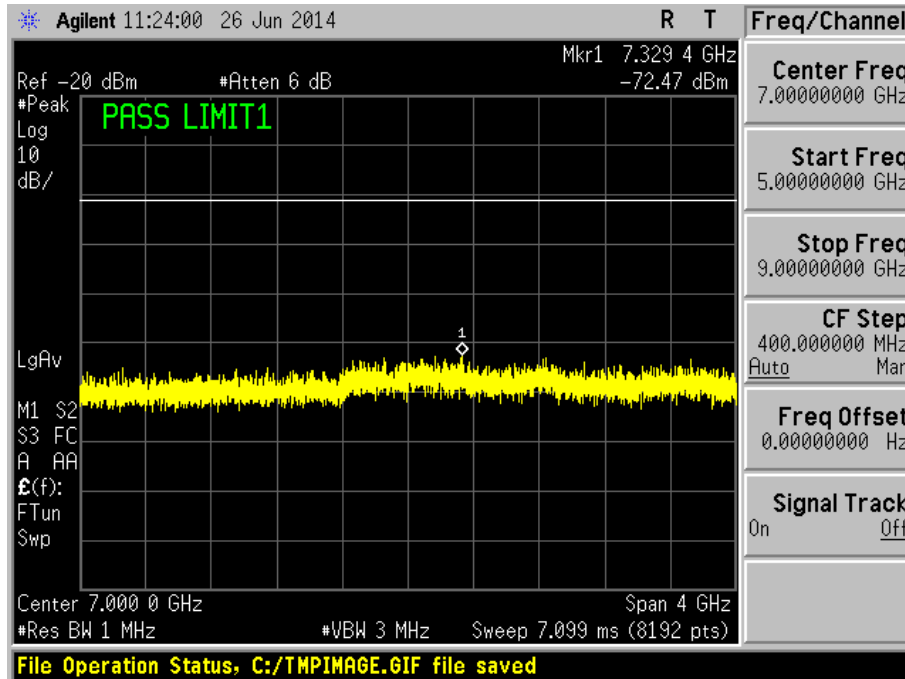
Plot 1821 – Channel 7 (middle ch) @ BPSK 27Mbps



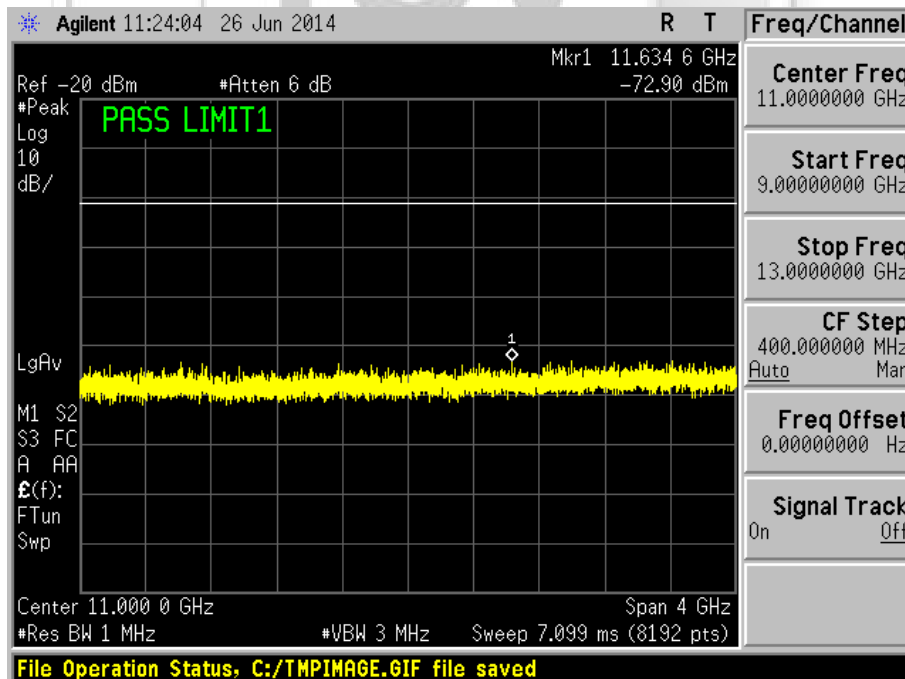
Plot 1822 – Channel 7 (middle ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



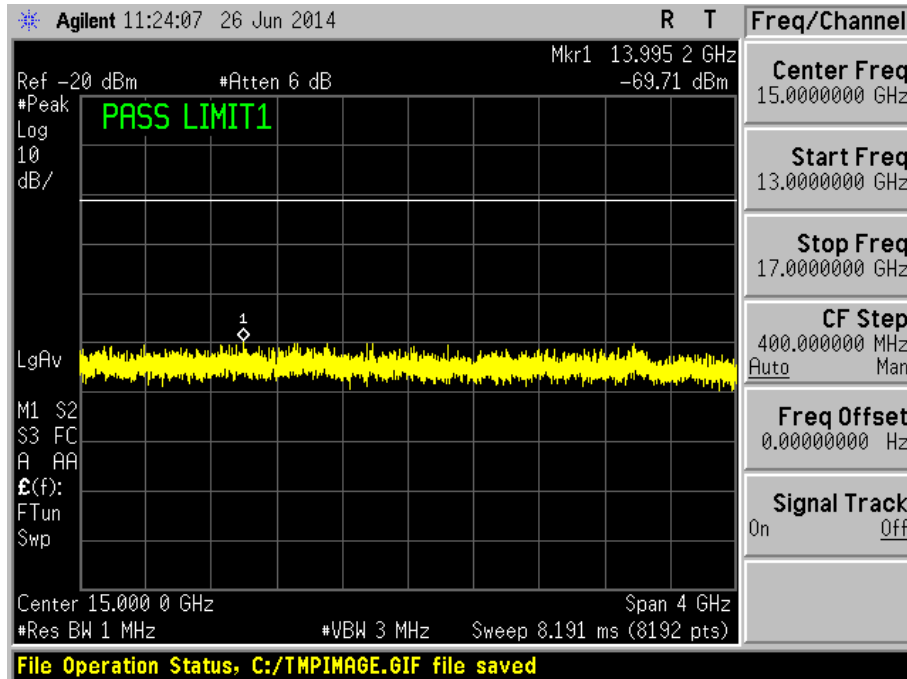
Plot 1823 – Channel 7 (middle ch) @ BPSK 27Mbps



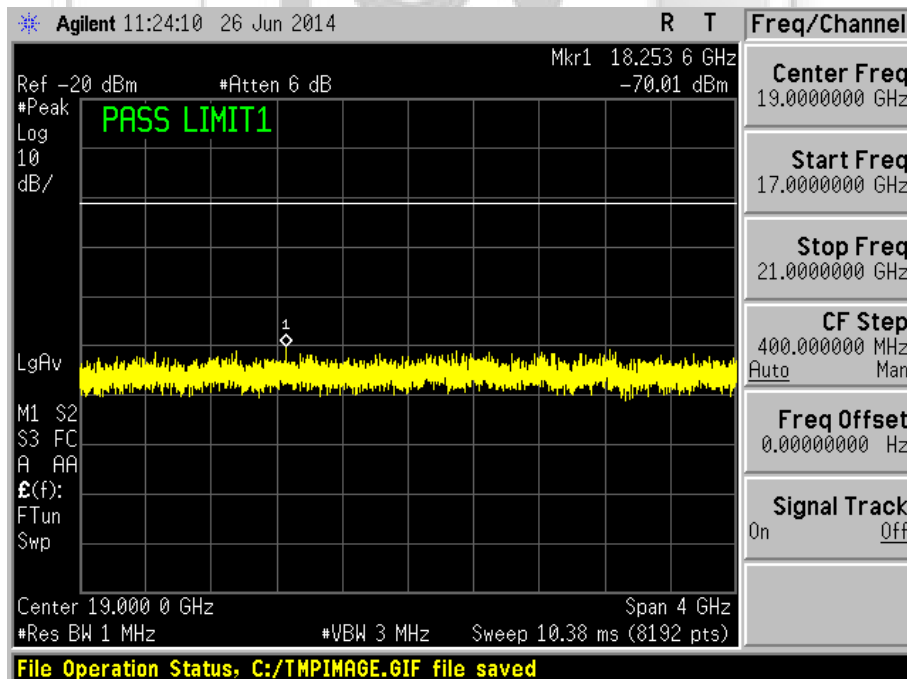
Plot 1824 – Channel 7 (middle ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



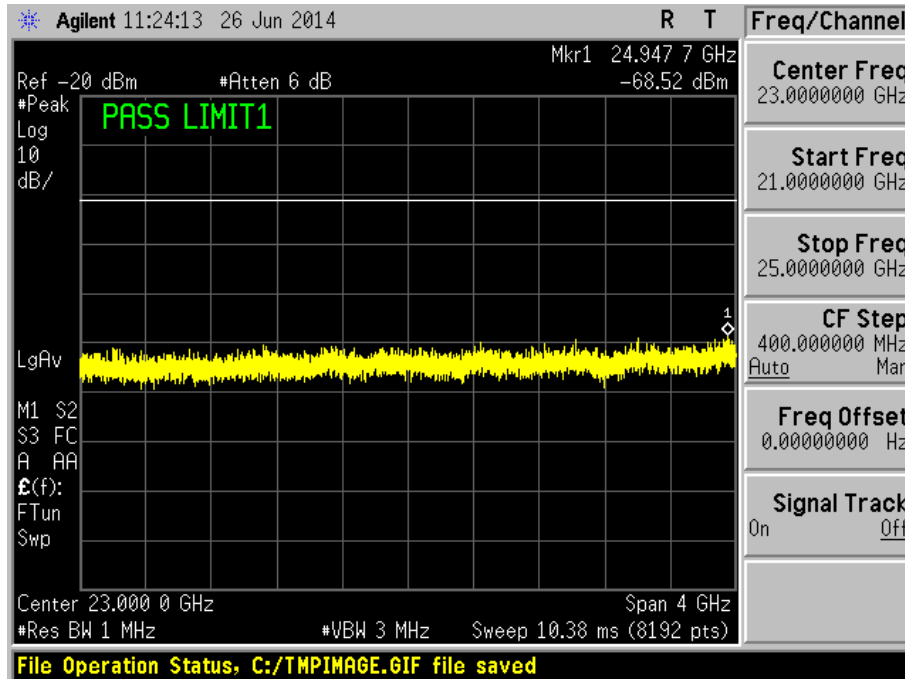
Plot 1825 – Channel 7 (middle ch) @ BPSK 27Mbps



Plot 1826 – Channel 7 (middle ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

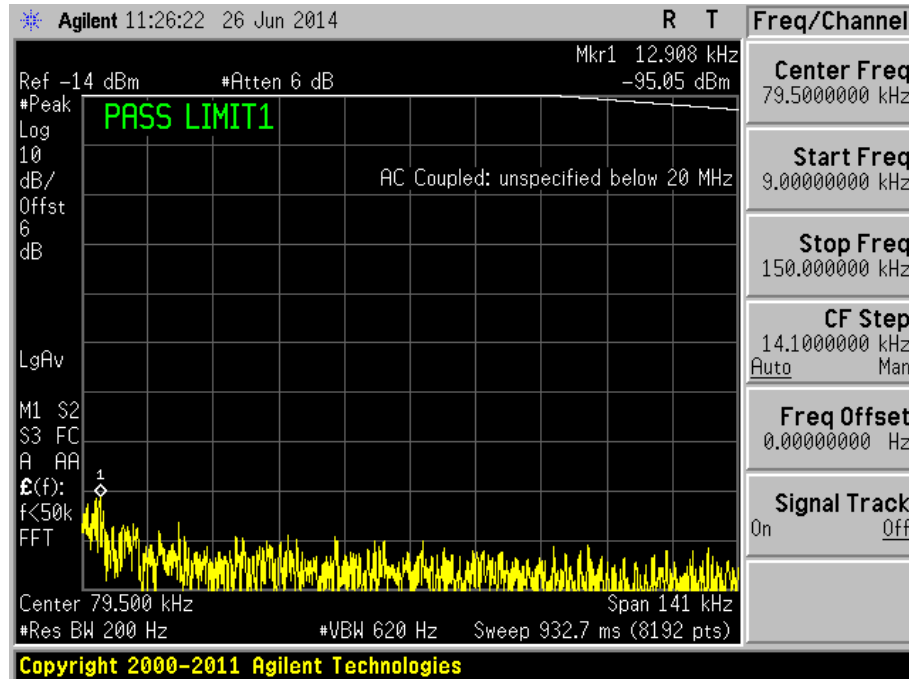
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



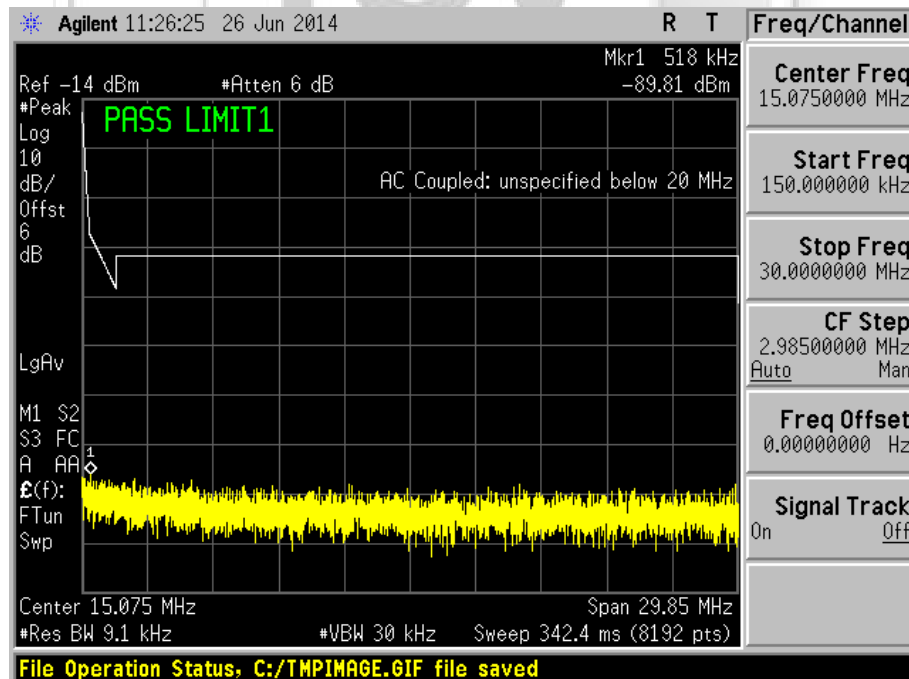
Plot 1827 – Channel 7 (middle ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



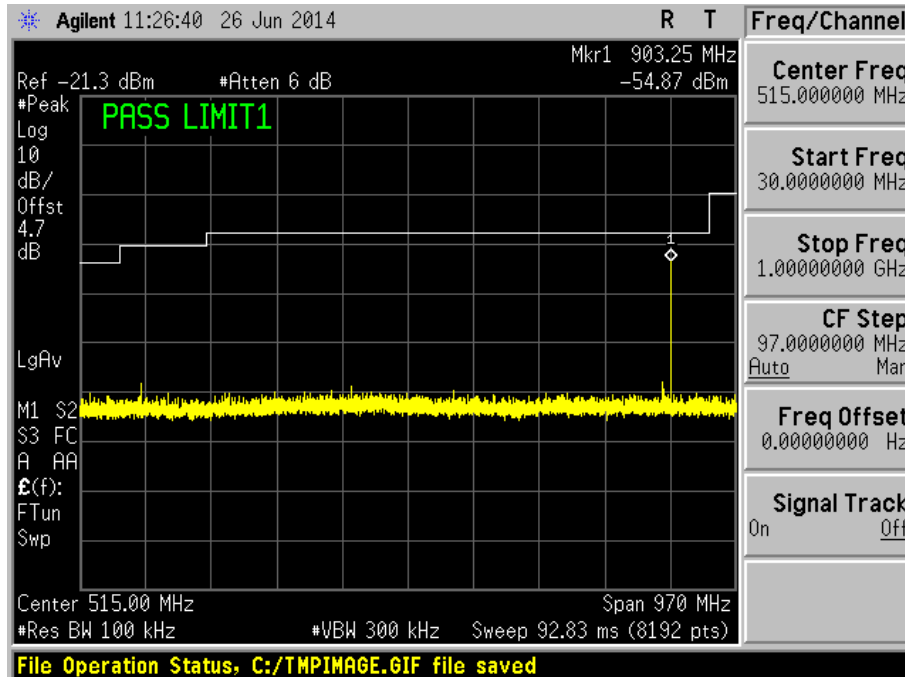
Plot 1828 – Channel 7 (middle ch) @ QPSK 81Mbps



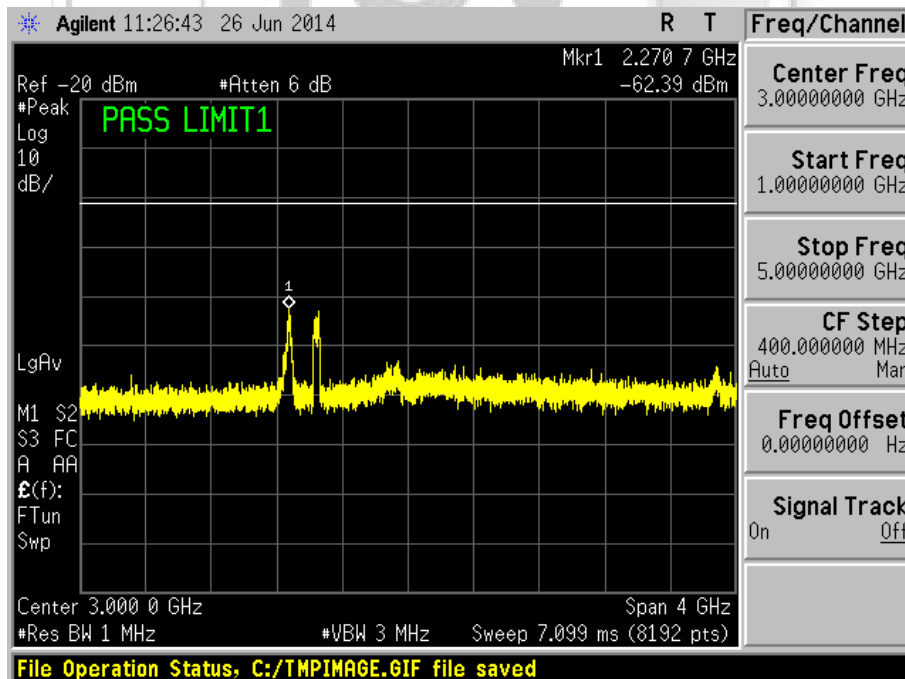
Plot 1829 – Channel 7 (middle ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



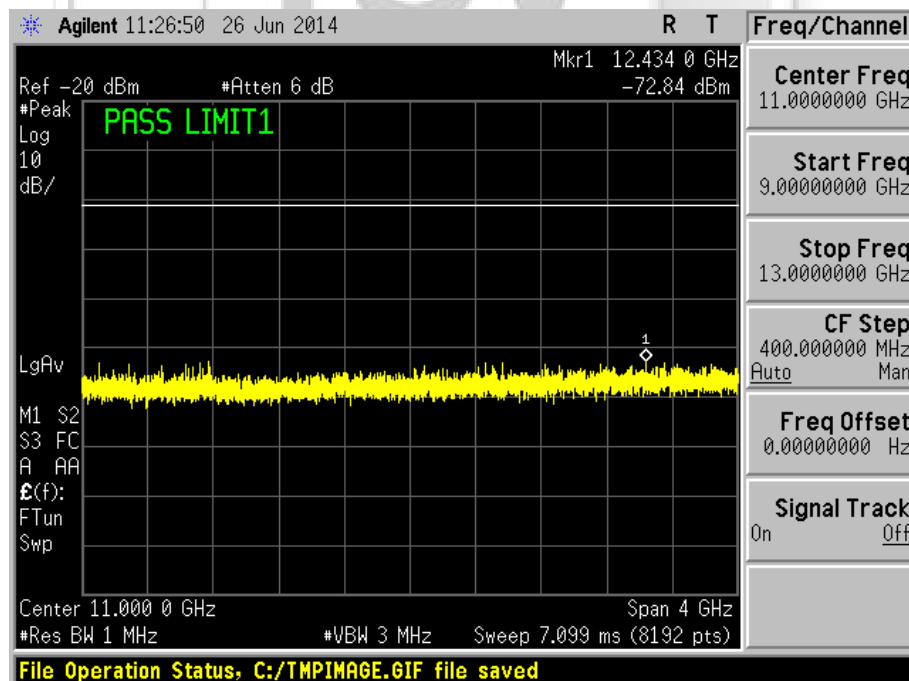
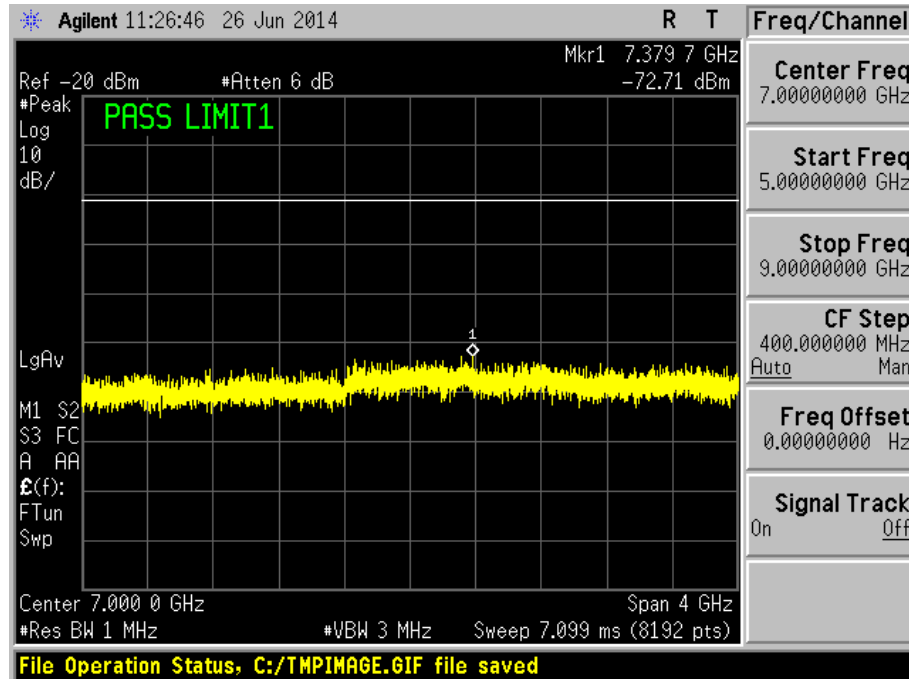
Plot 1830 – Channel 7 (middle ch) @ QPSK 81Mbps



Plot 1831 – Channel 7 (middle ch) @ QPSK 81Mbps

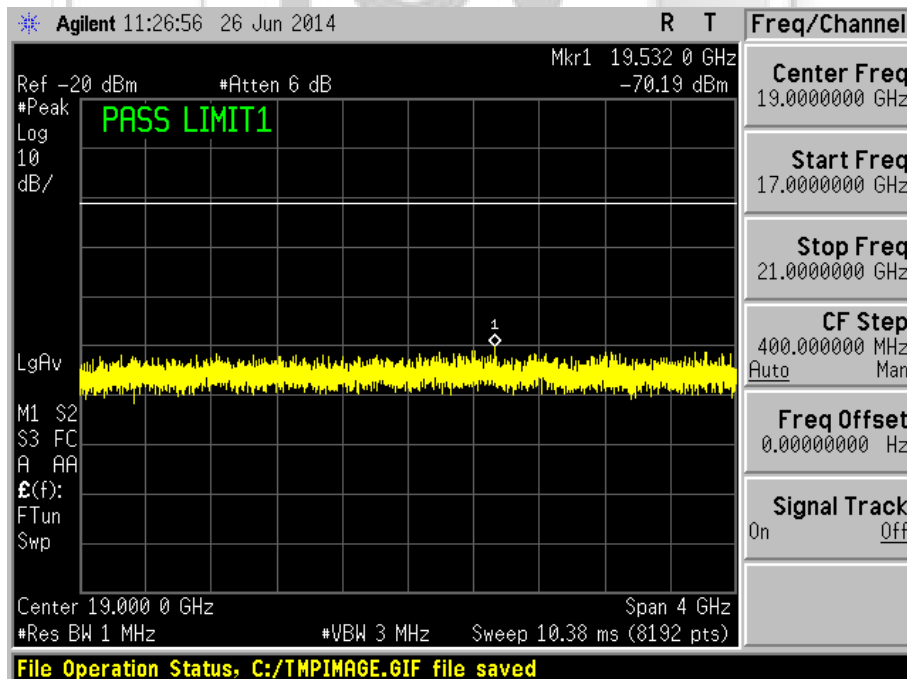
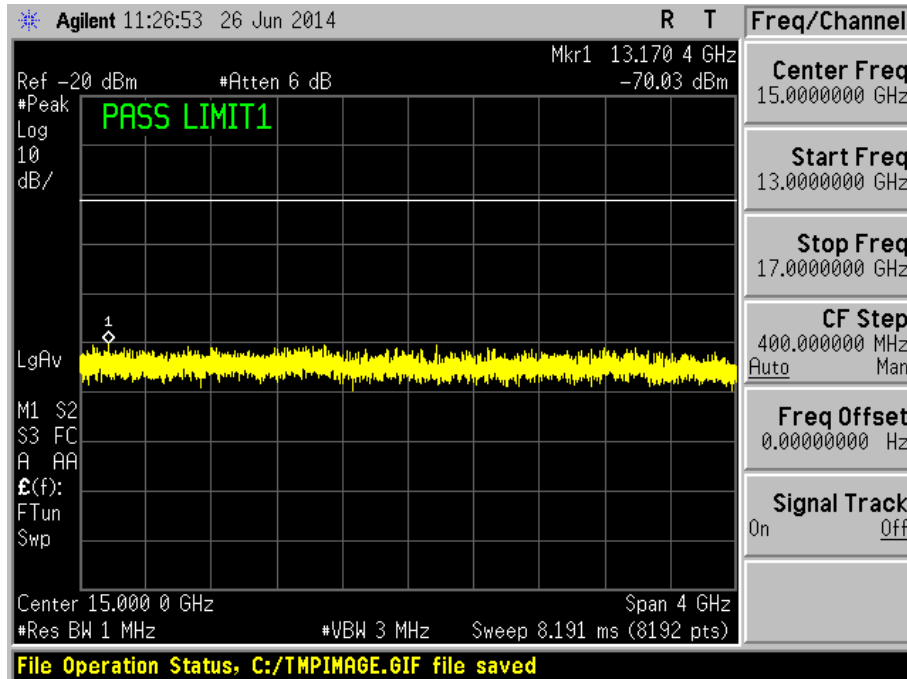
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



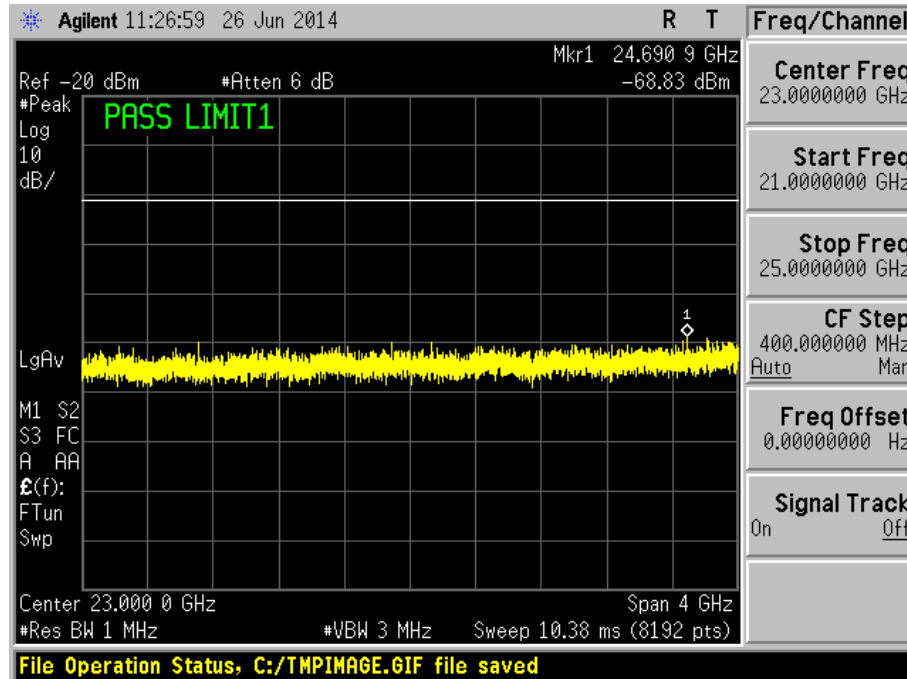
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

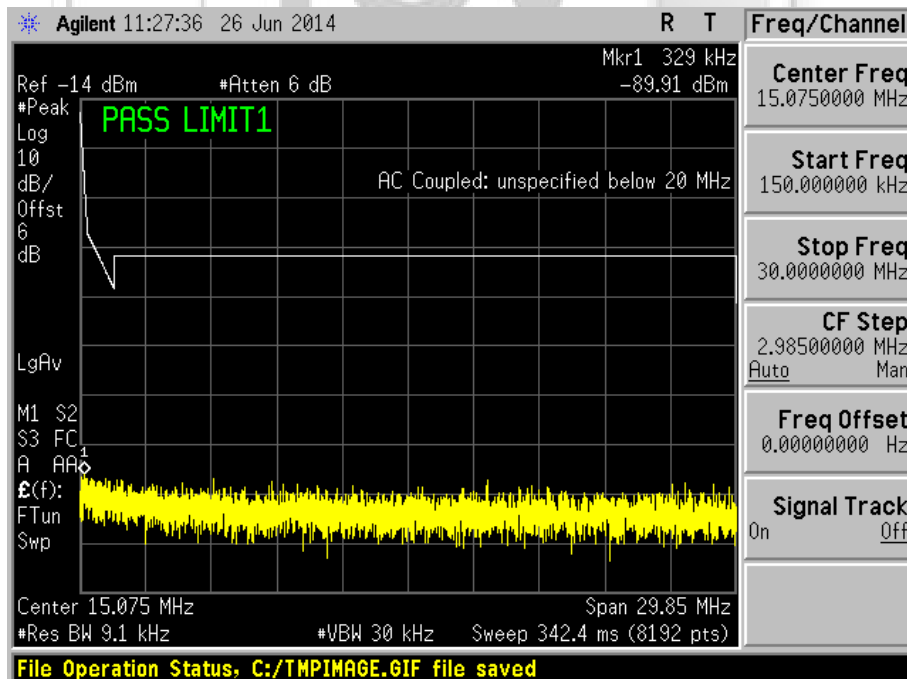
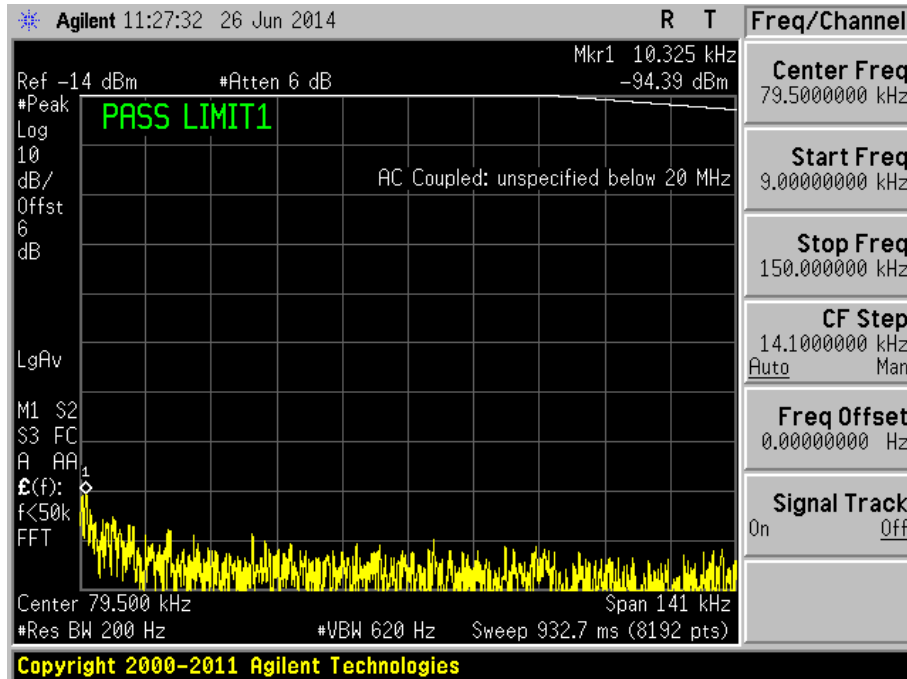
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



Plot 1836 – Channel 7 (middle ch) @ QPSK 81Mbps

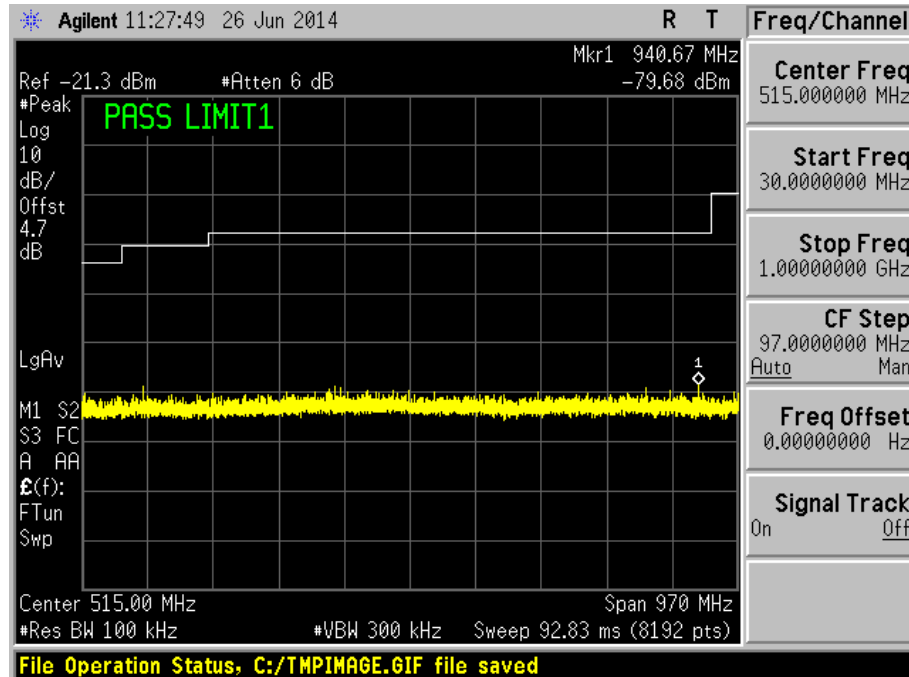
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)

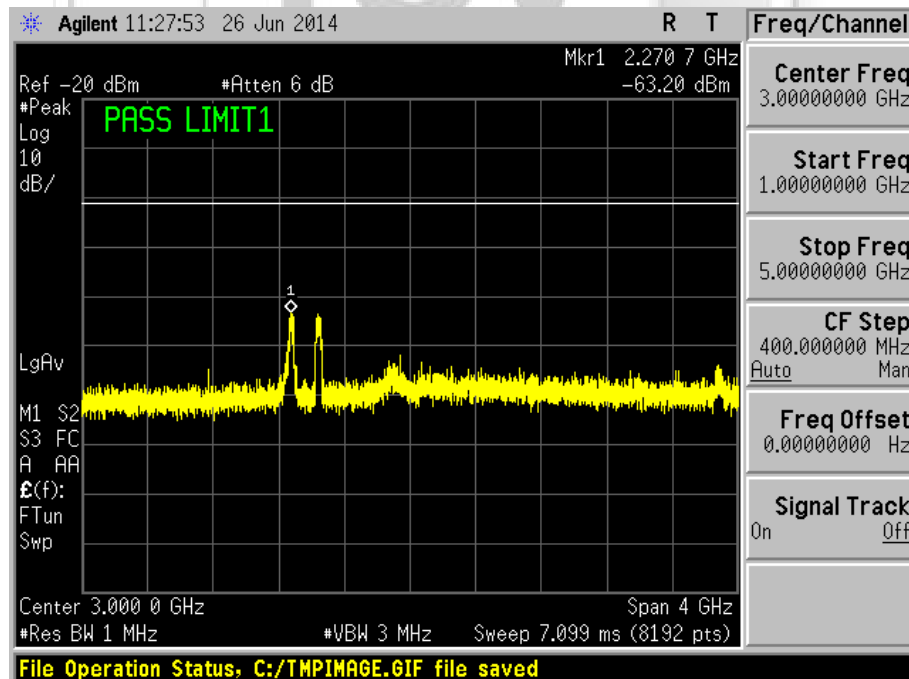


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



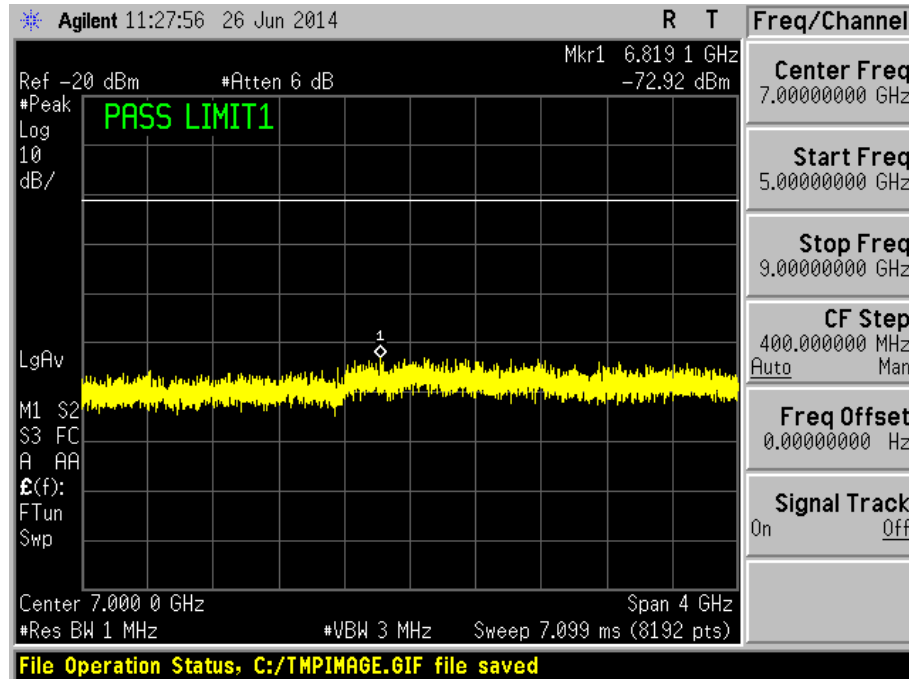
Plot 1839 – Channel 7 (middle ch) @ 16QAM 162Mbps



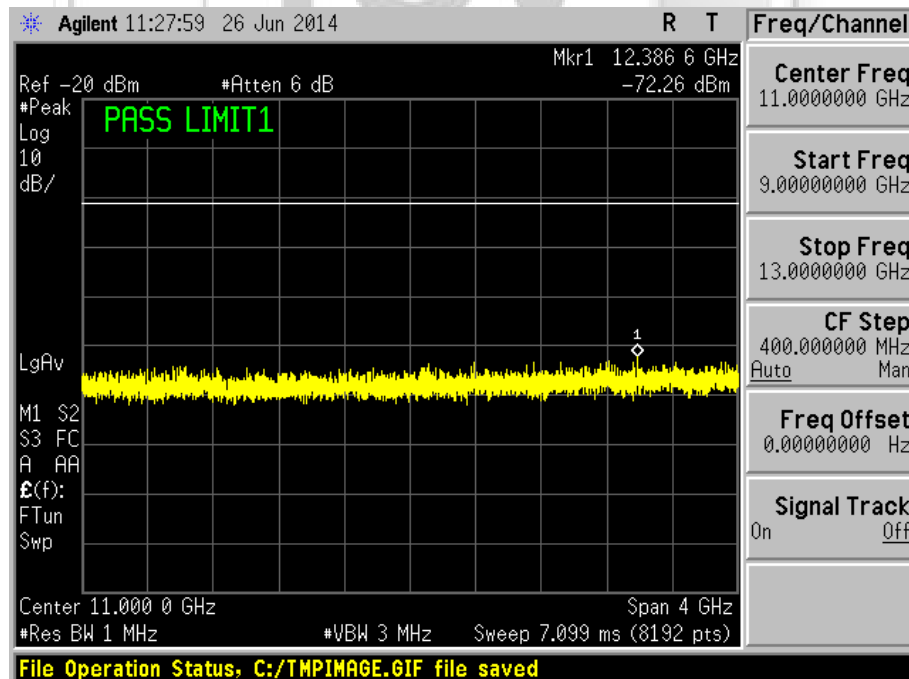
Plot 1840 – Channel 7 (middle ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



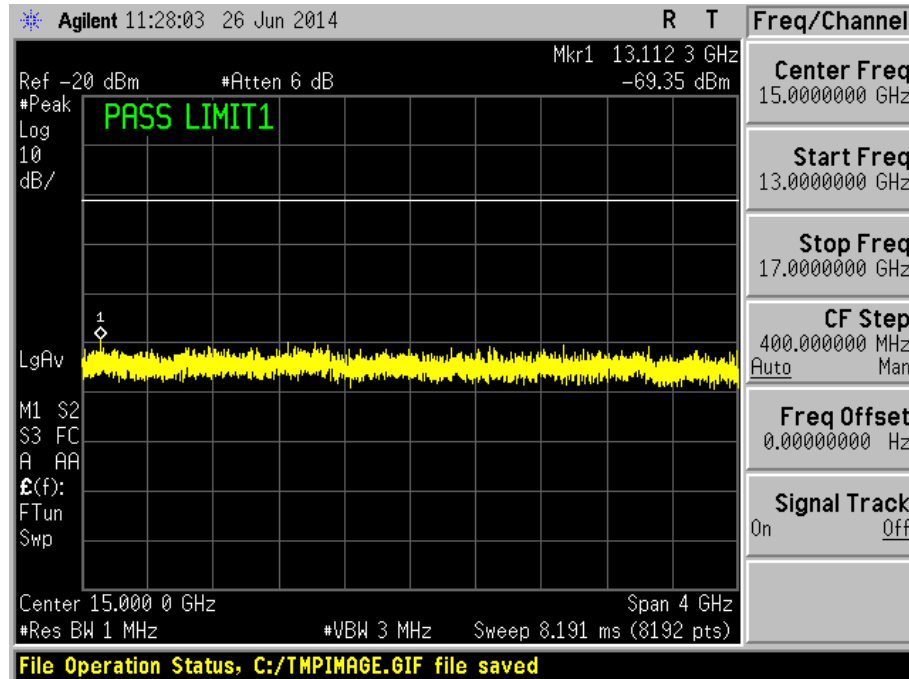
Plot 1841 – Channel 7 (middle ch) @ 16QAM 162Mbps



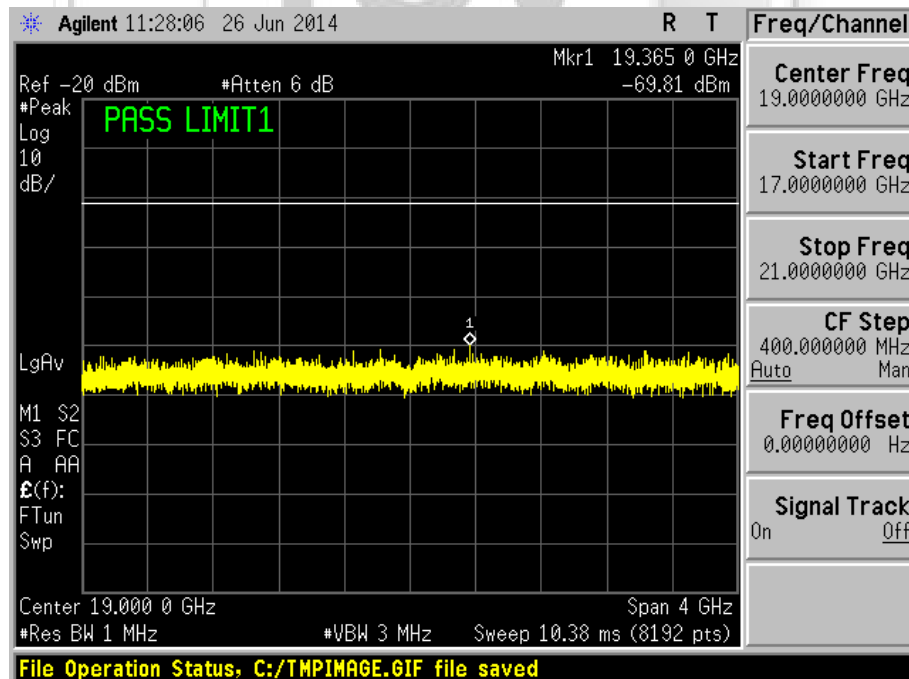
Plot 1842 – Channel 7 (middle ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



Plot 1843 – Channel 7 (middle ch) @ 16QAM 162Mbps

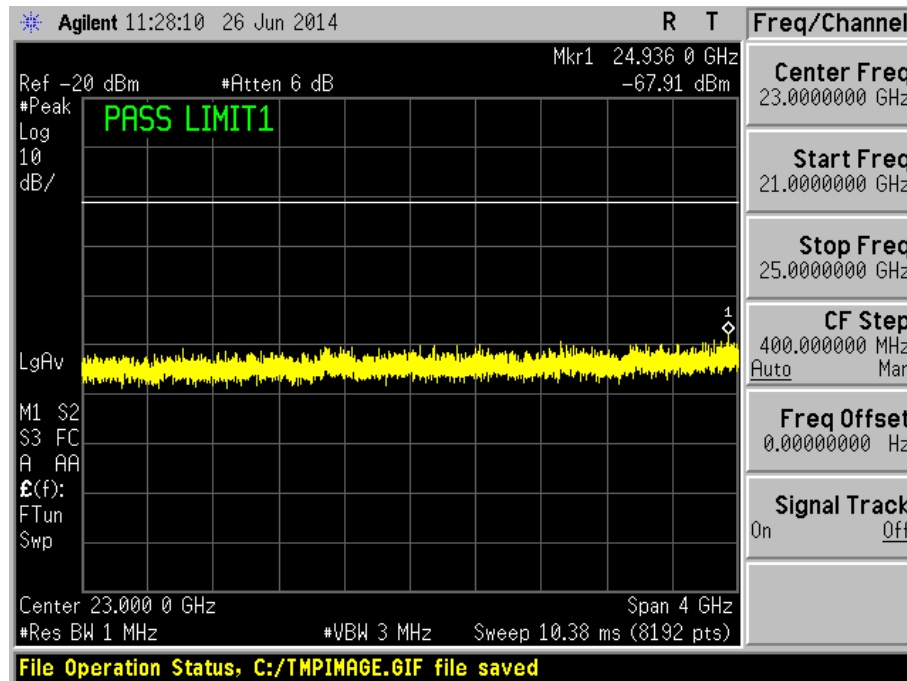


Plot 1844 – Channel 7 (middle ch) @ 16QAM 162Mbps



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

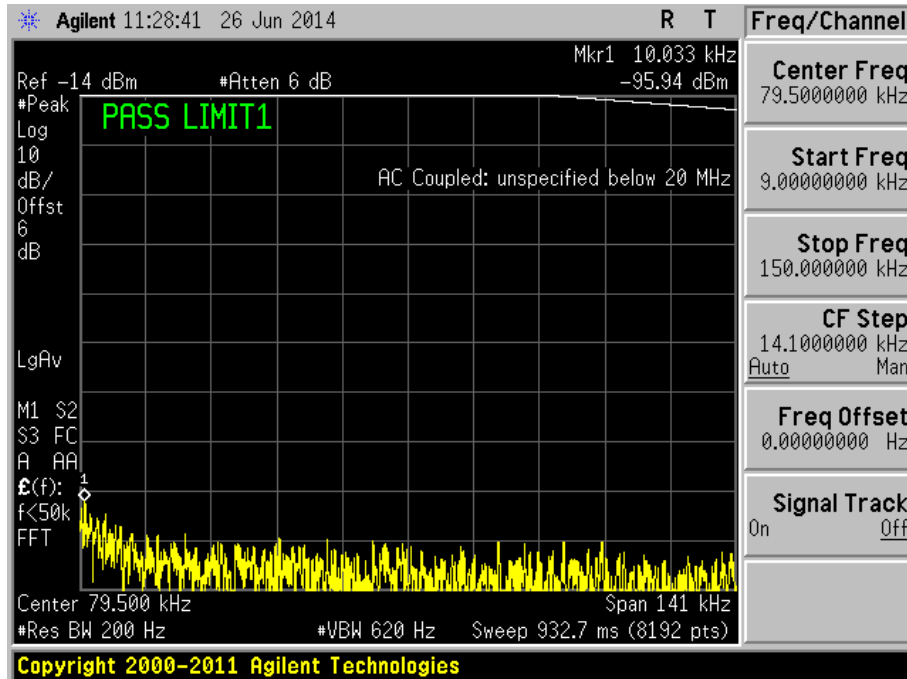
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



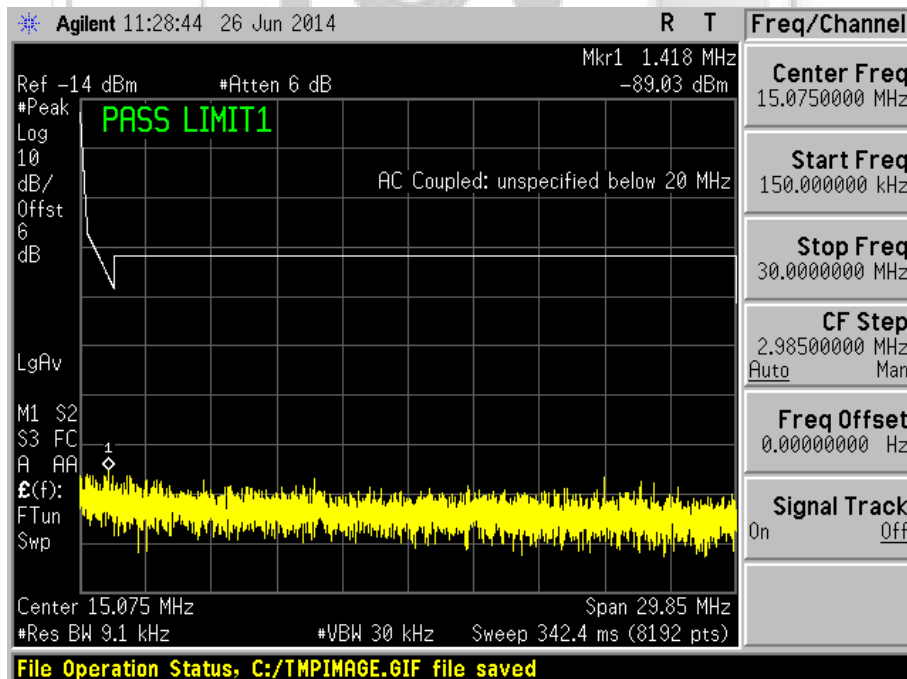
Plot 1845 – Channel 7 (middle ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



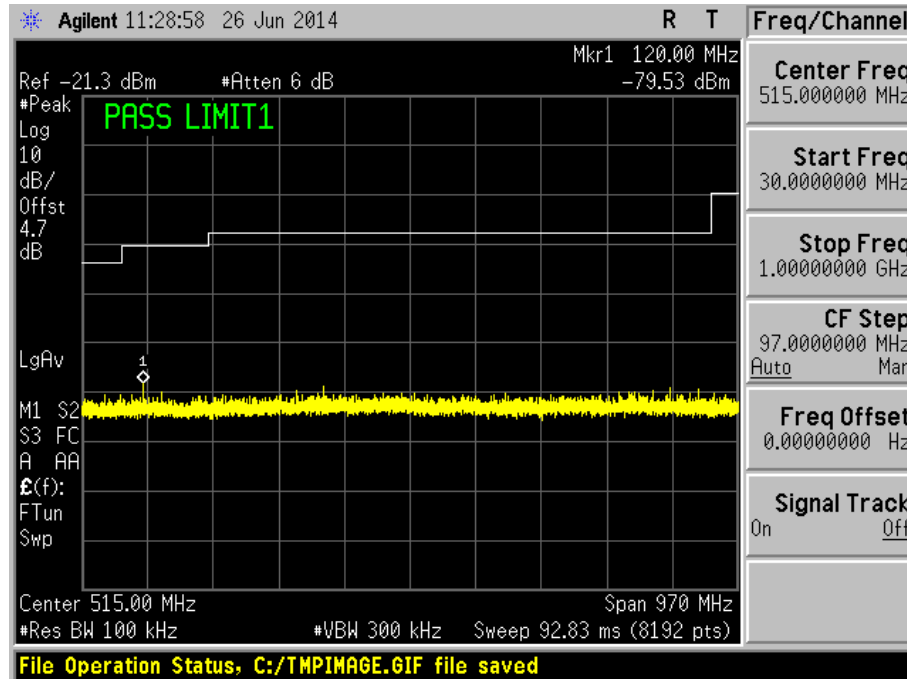
Plot 1846 – Channel 7 (middle ch) @ 64QAM 270Mbps



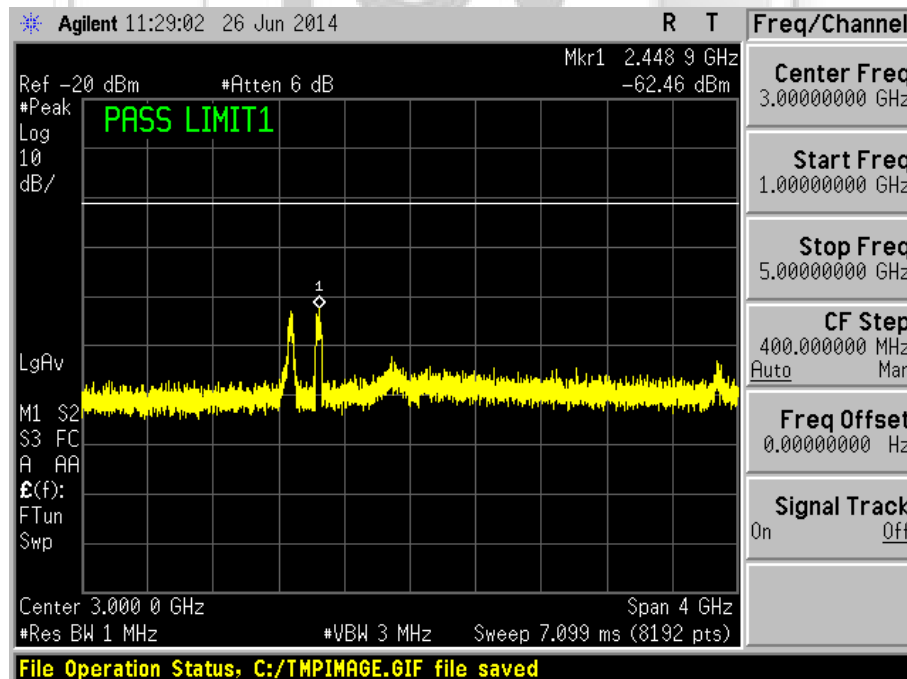
Plot 1847 – Channel 7 (middle ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



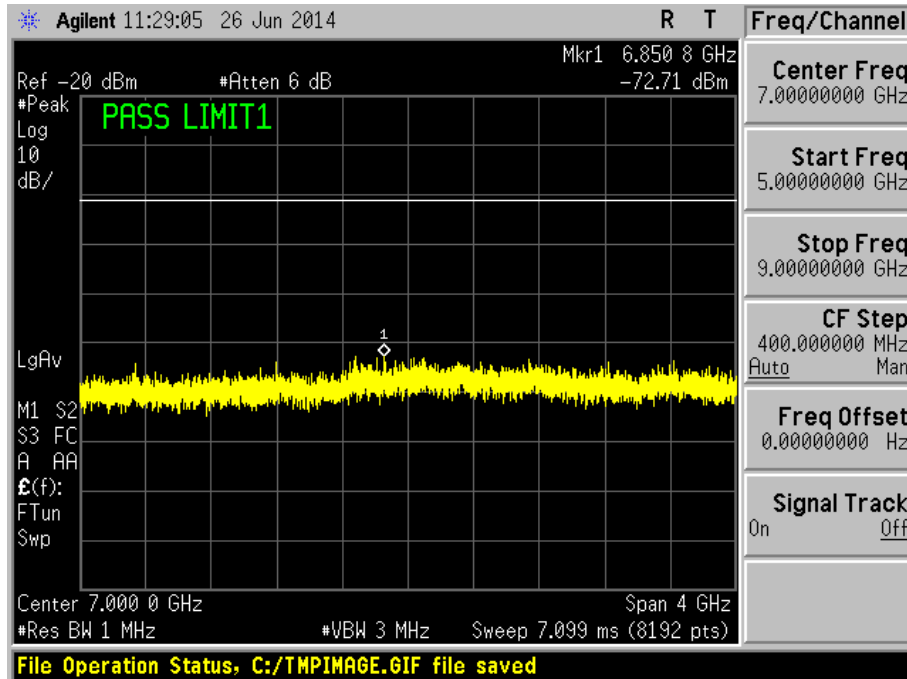
Plot 1848 – Channel 7 (middle ch) @ 64QAM 270Mbps



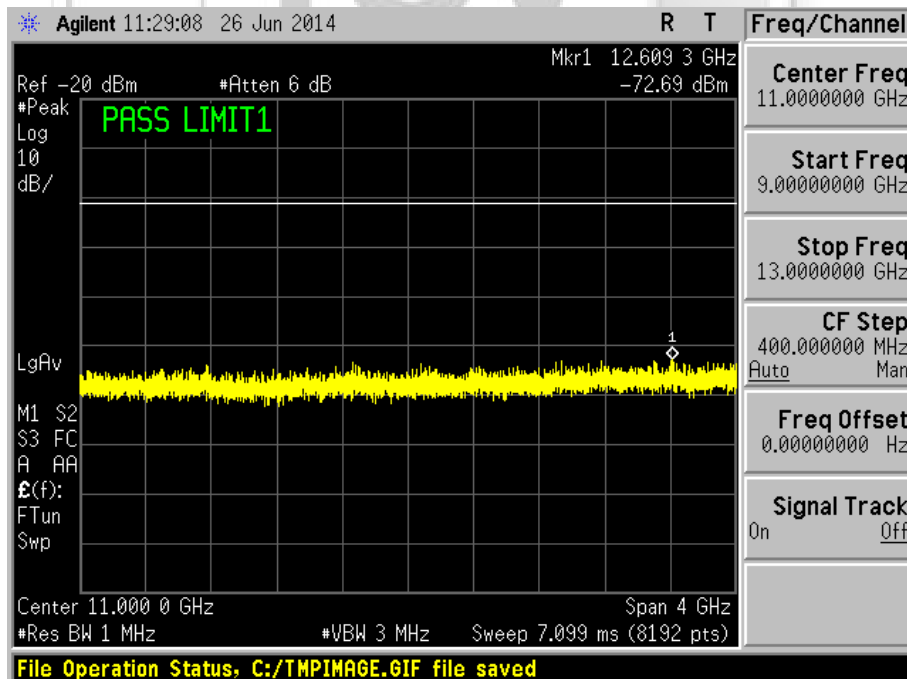
Plot 1849 – Channel 7 (middle ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



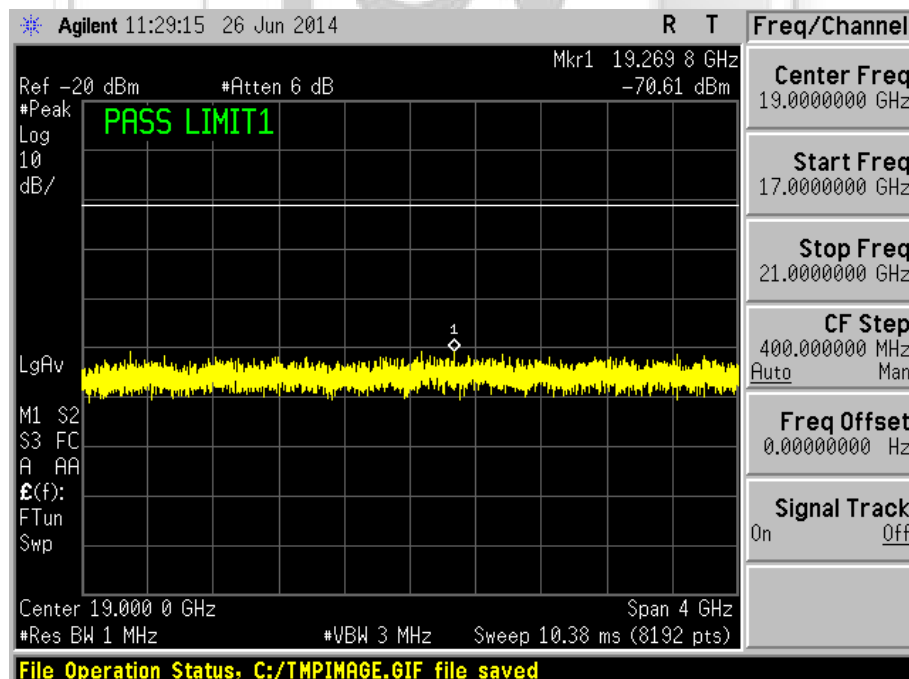
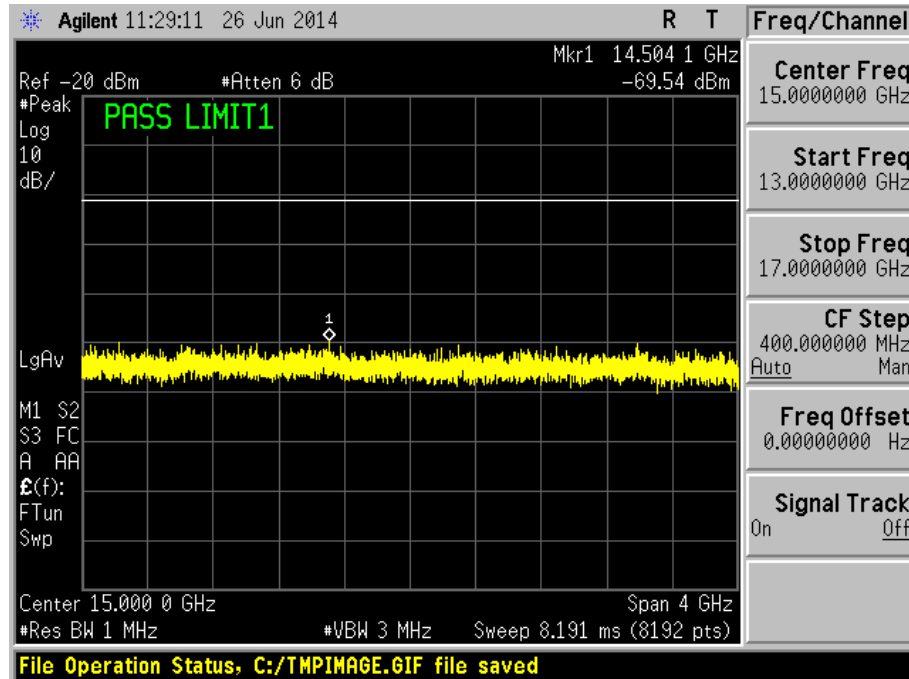
Plot 1850 – Channel 7 (middle ch) @ 64QAM 270Mbps



Plot 1851 – Channel 7 (middle ch) @ 64QAM 270Mbps

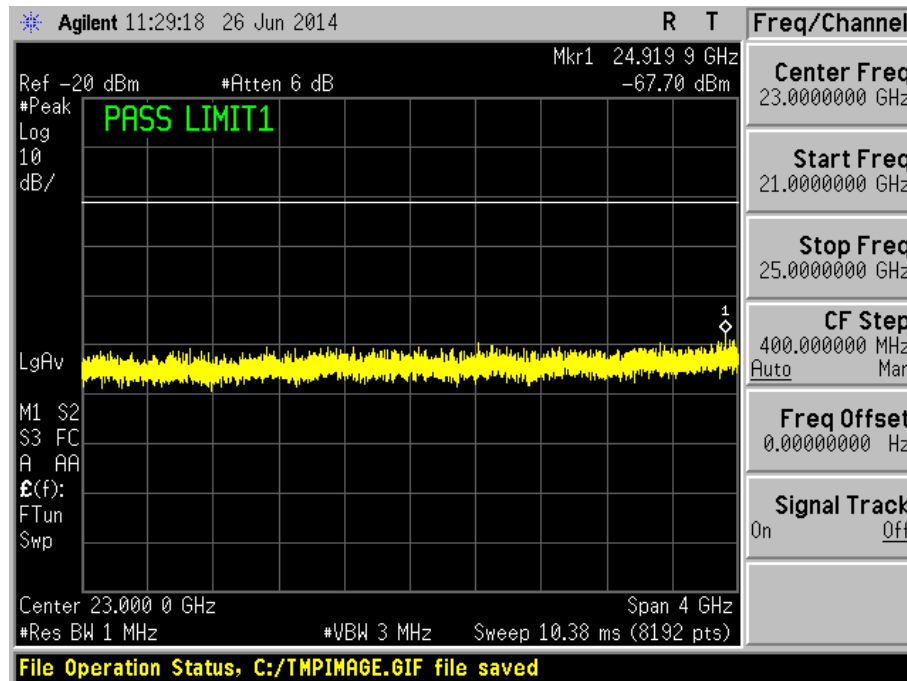
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

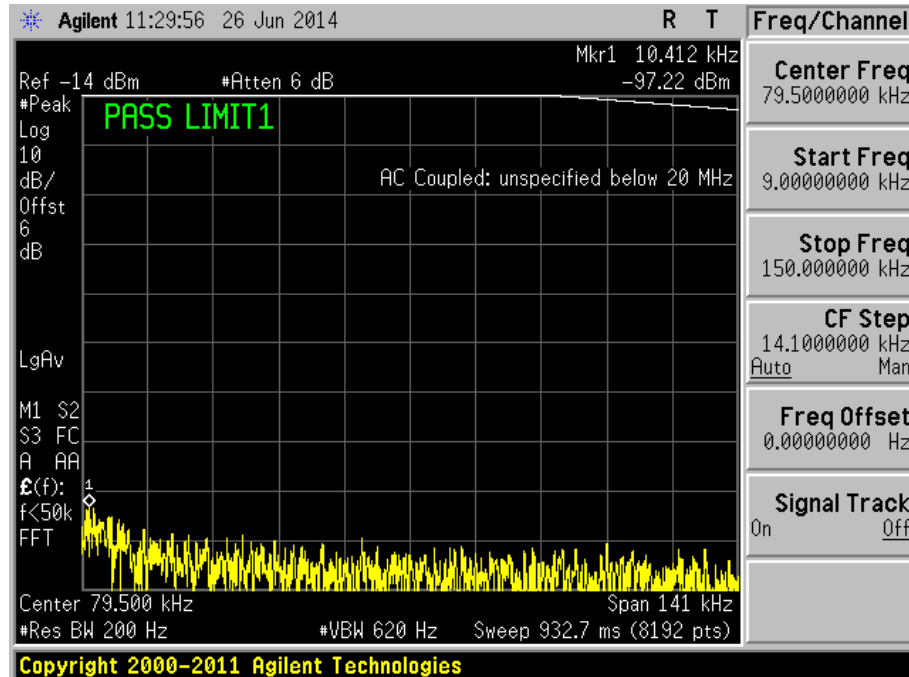
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



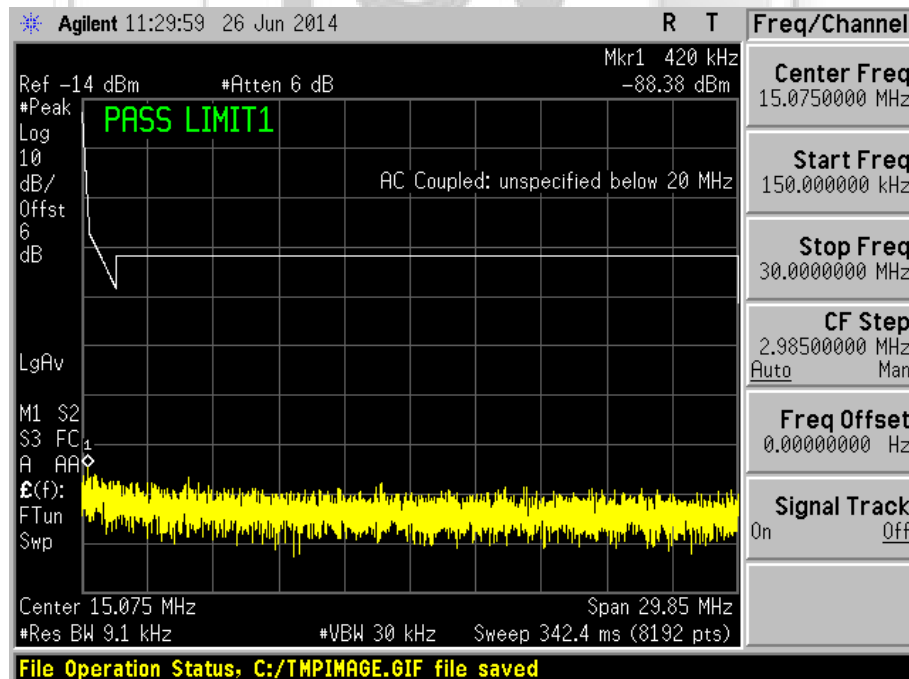
Plot 1854 – Channel 7 (middle ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



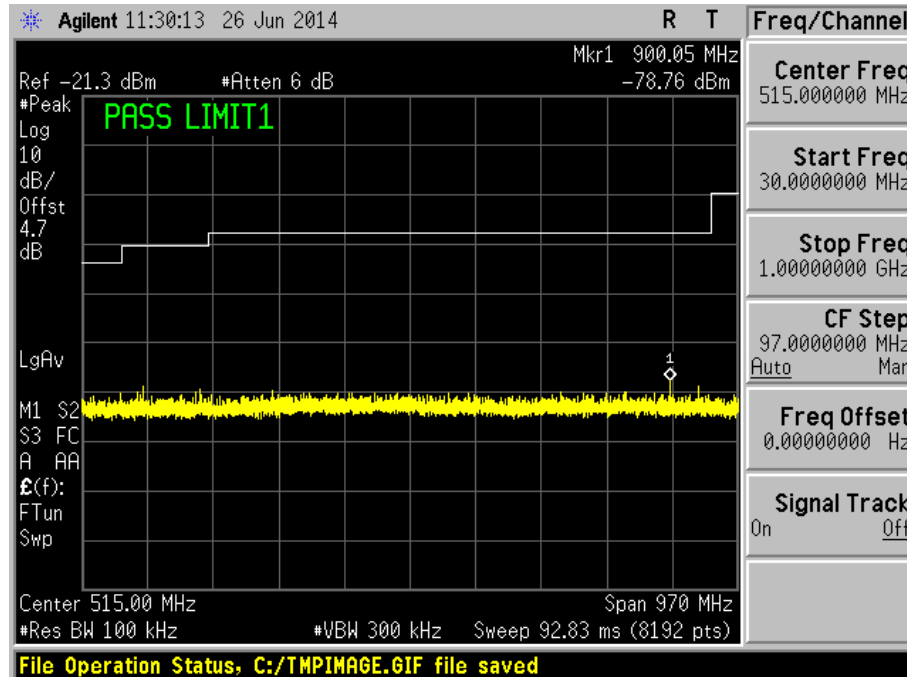
Plot 1855 – Channel 11 (upper ch) @ BPSK 27Mbps



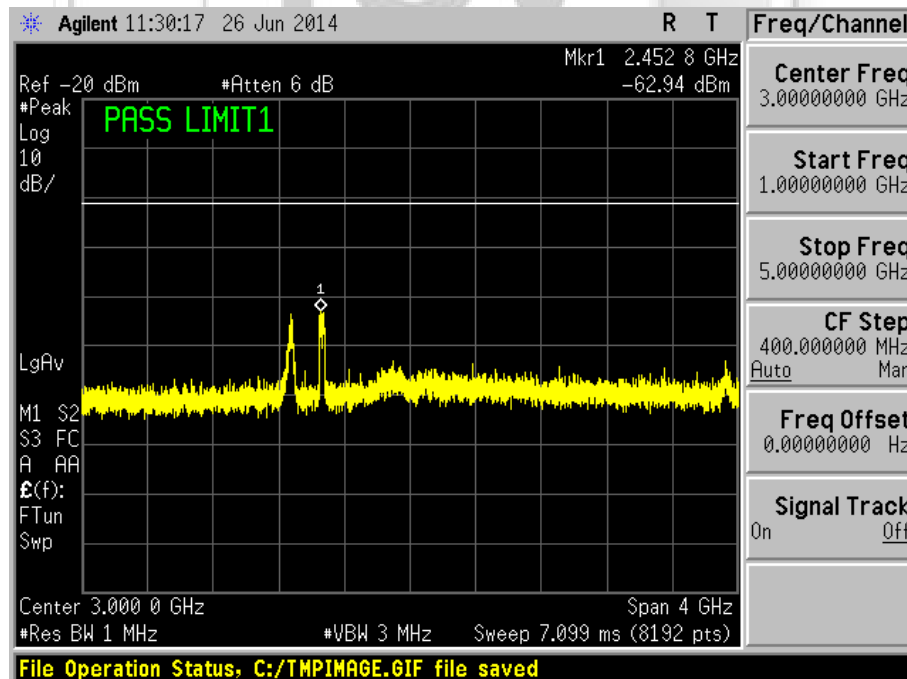
Plot 1856 – Channel 11 (upper ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



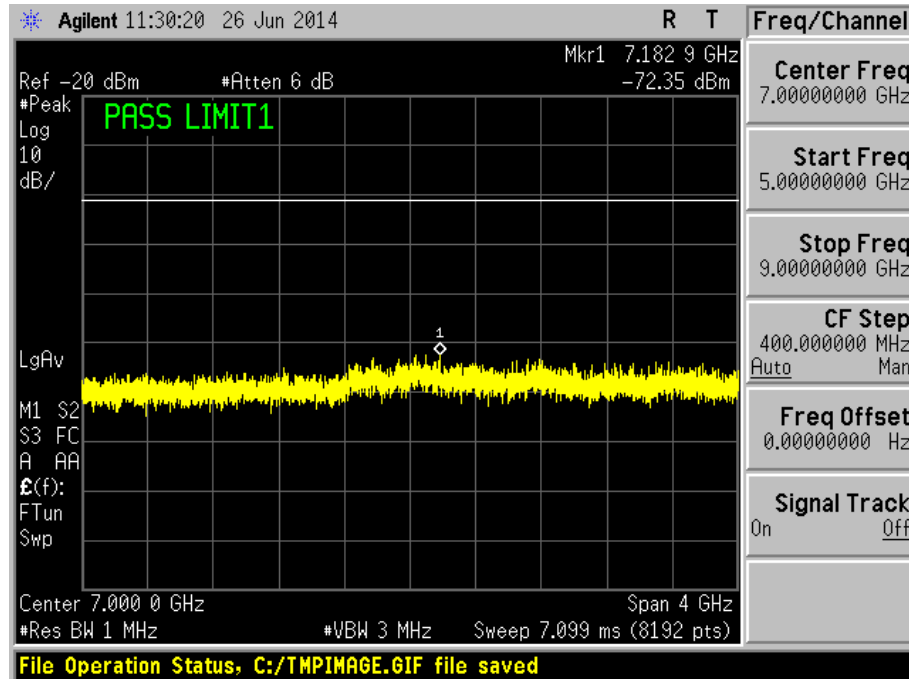
Plot 1857 – Channel 11 (upper ch) @ BPSK 27Mbps



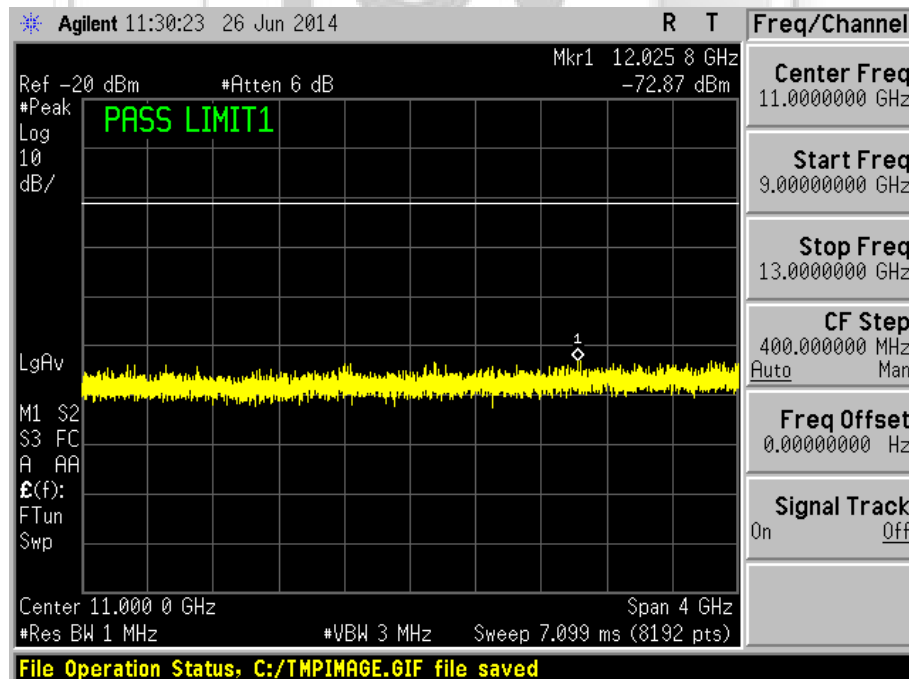
Plot 1858 – Channel 11 (upper ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



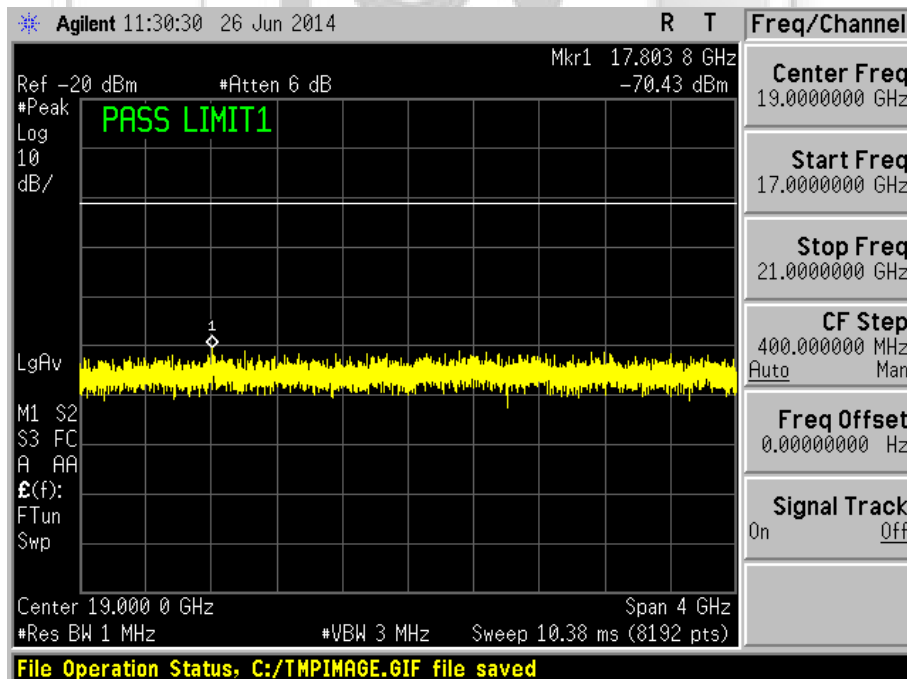
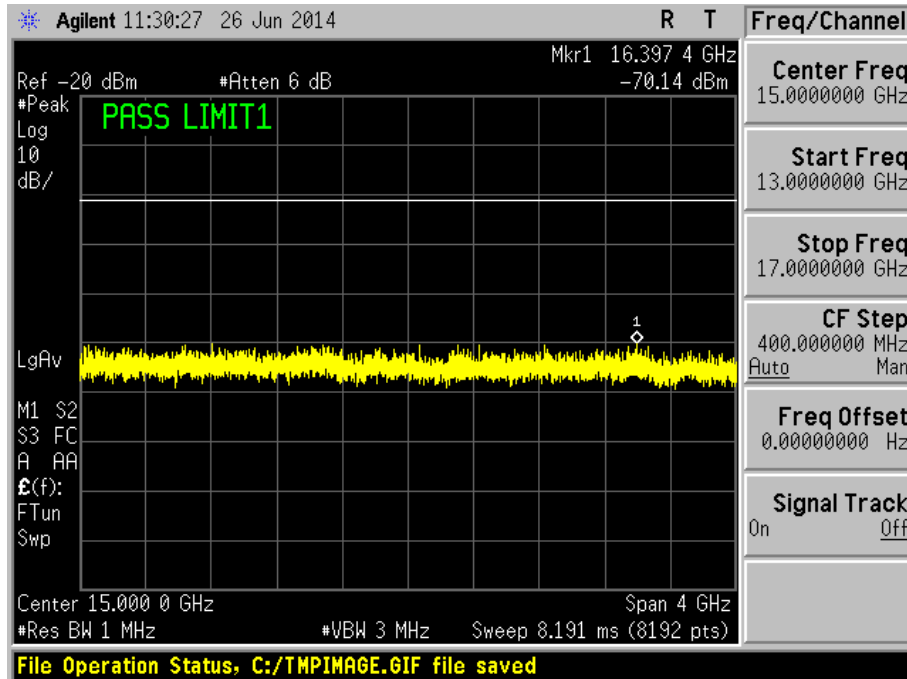
Plot 1859 – Channel 11 (upper ch) @ BPSK 27Mbps



Plot 1860 – Channel 11 (upper ch) @ BPSK 27Mbps

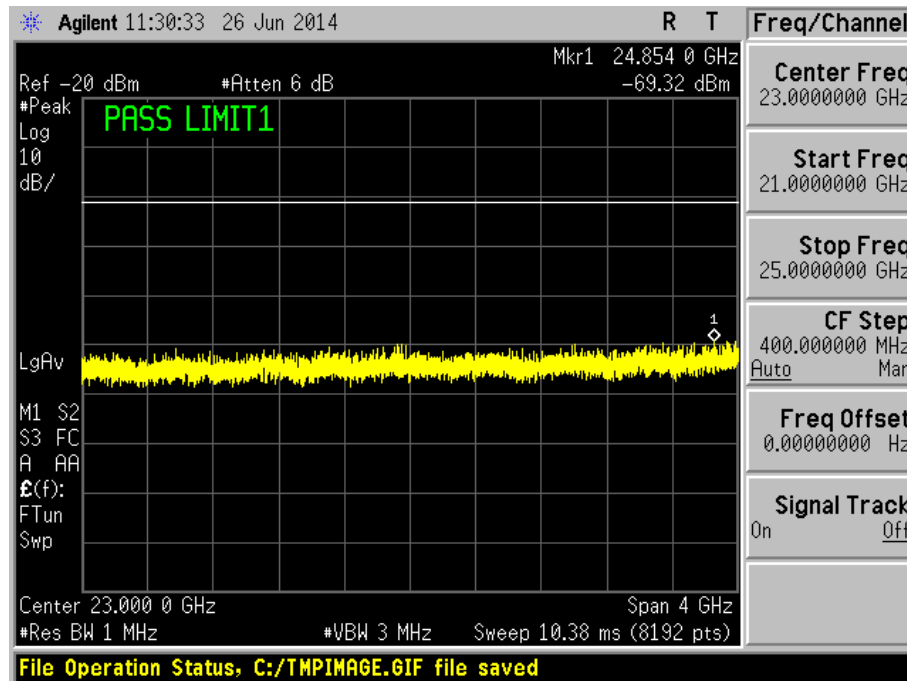
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

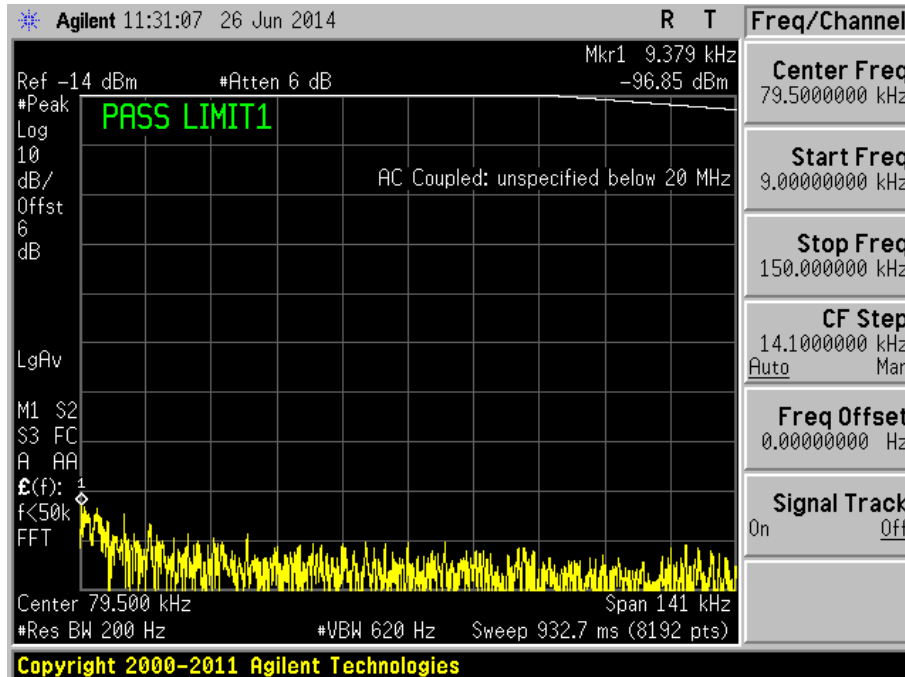
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



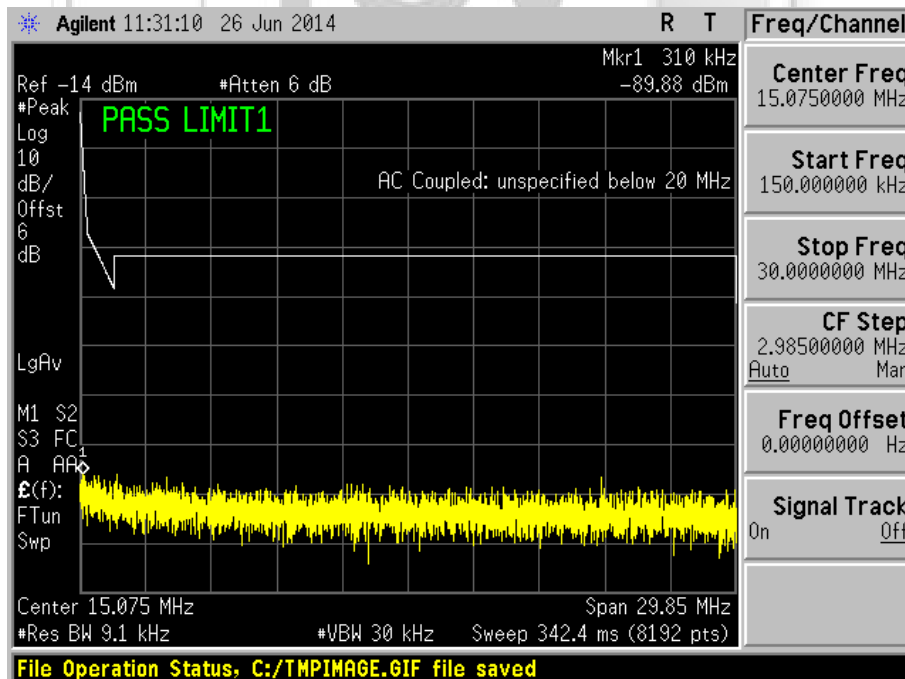
Plot 1863 – Channel 11 (upper ch) @ BPSK 27Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



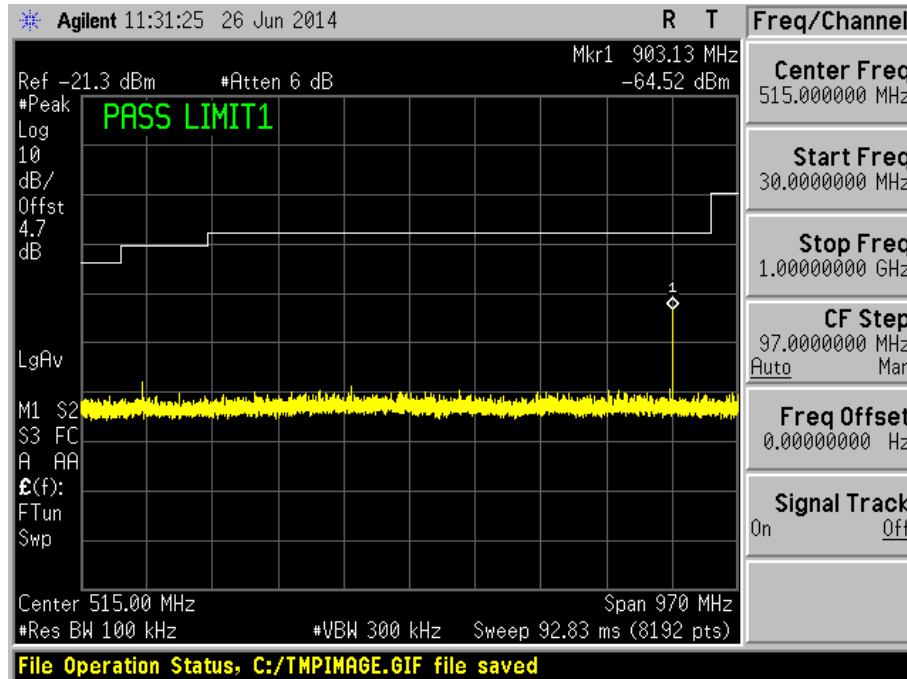
Plot 1864 – Channel 11 (upper ch) @ QPSK 81Mbps



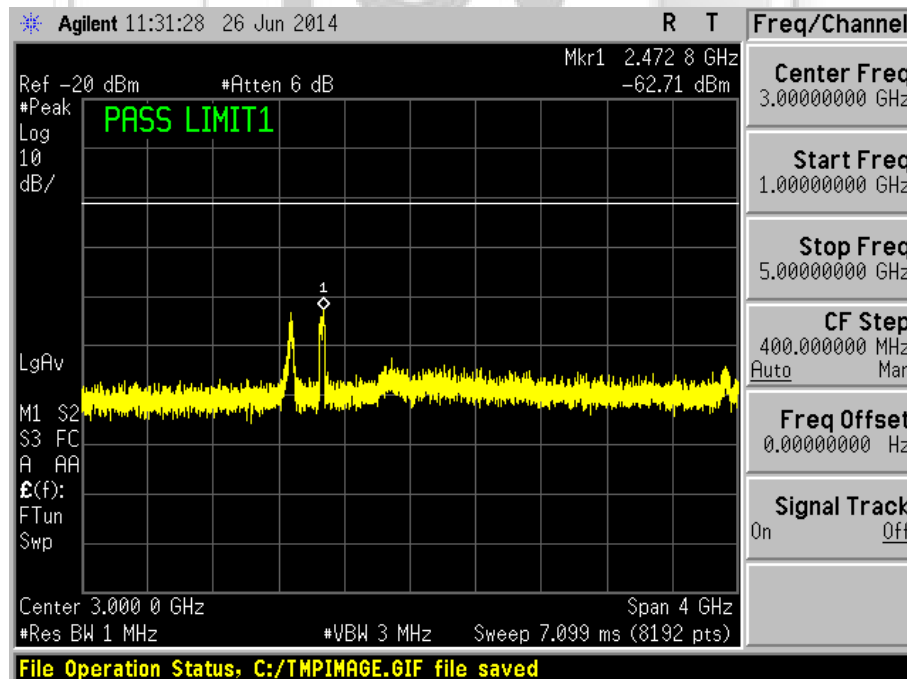
Plot 1865 – Channel 11 (upper ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



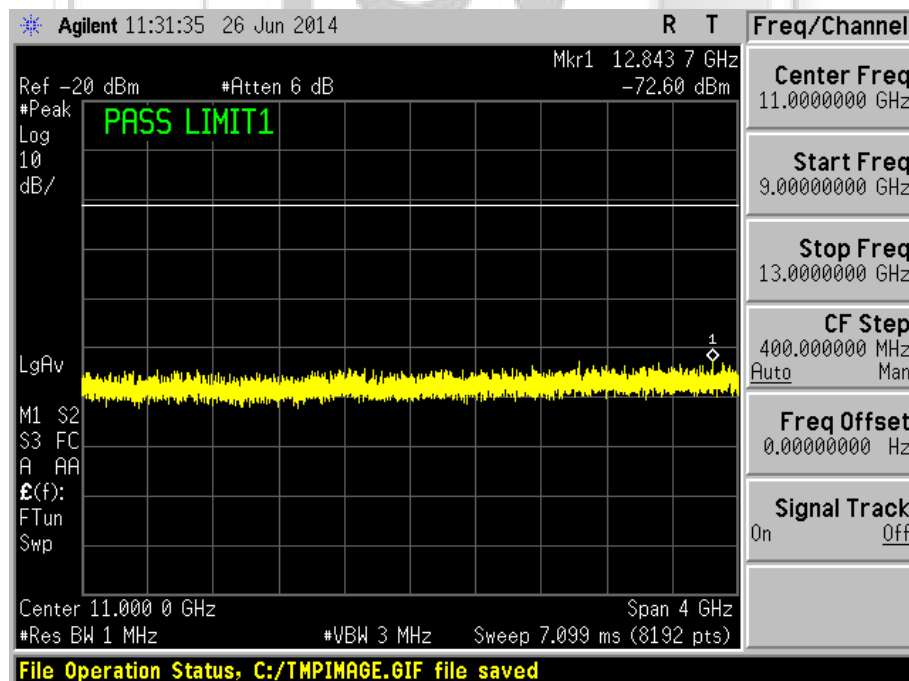
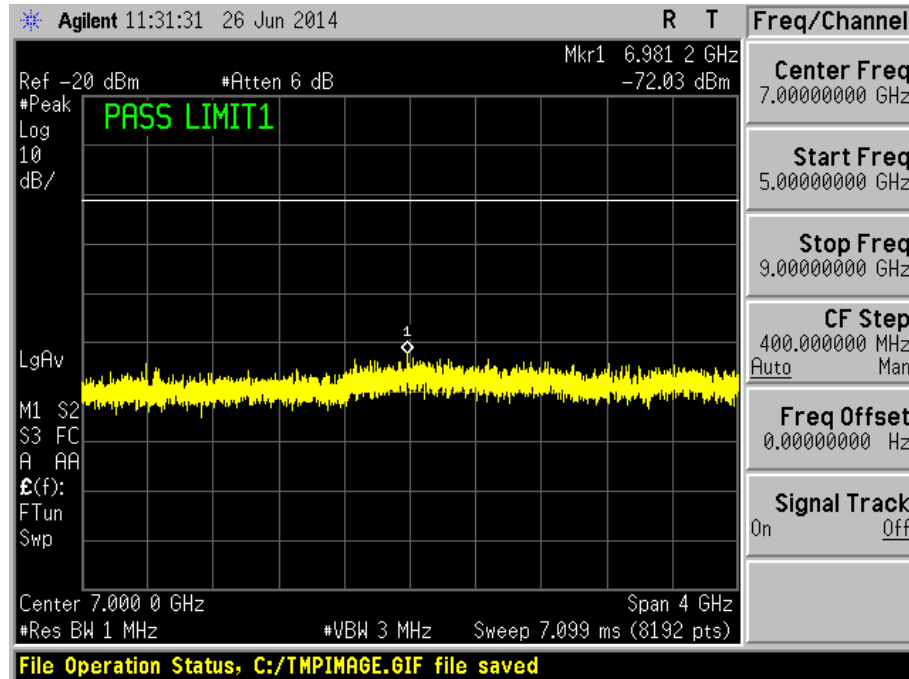
Plot 1866 – Channel 11 (upper ch) @ QPSK 81Mbps



Plot 1867 – Channel 11 (upper ch) @ QPSK 81Mbps

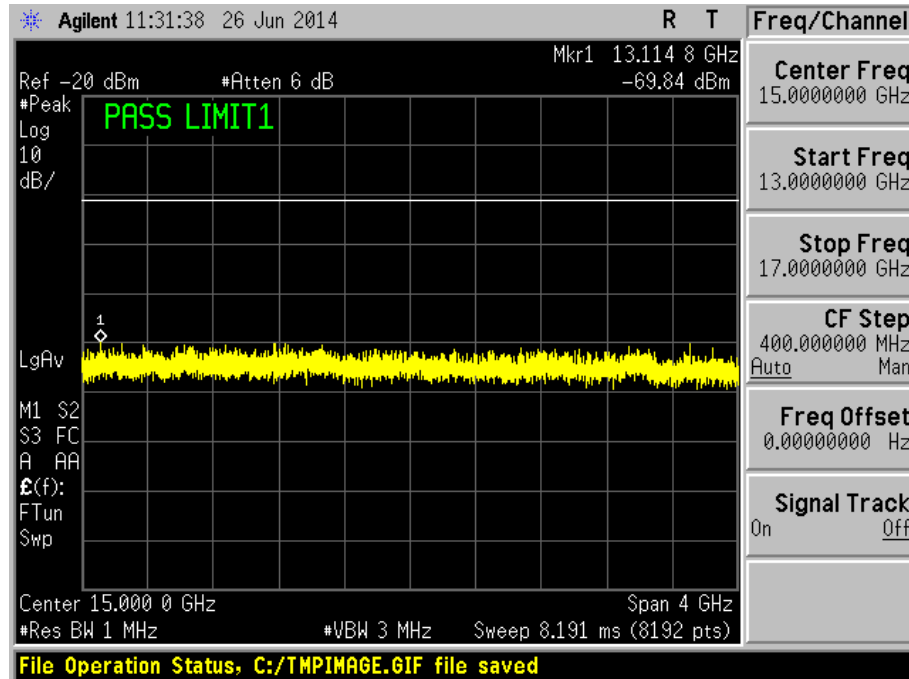
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)

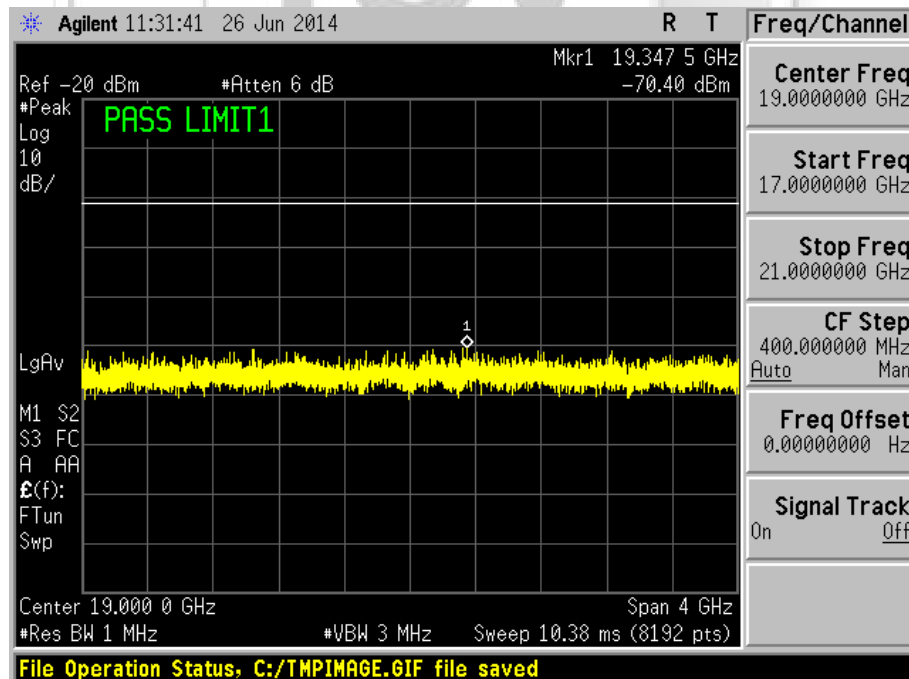


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



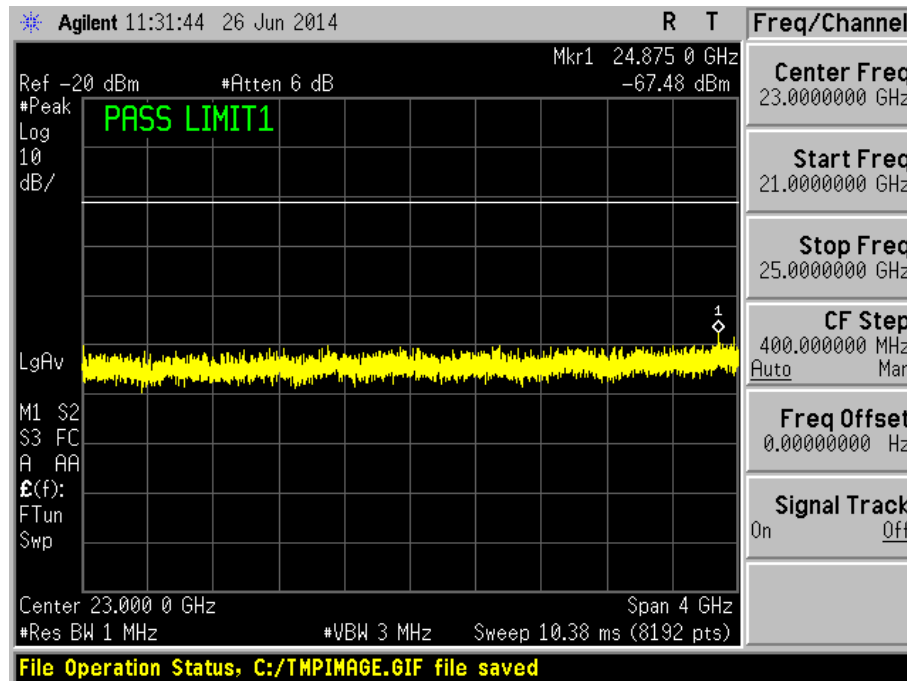
Plot 1870 – Channel 11 (upper ch) @ QPSK 81Mbps



Plot 1871 – Channel 11 (upper ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

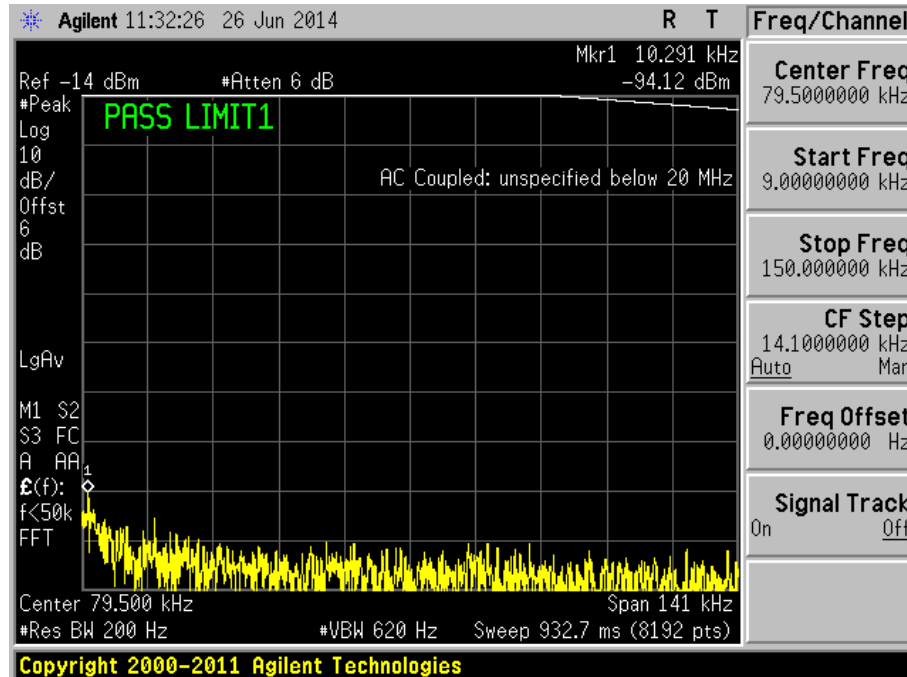
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



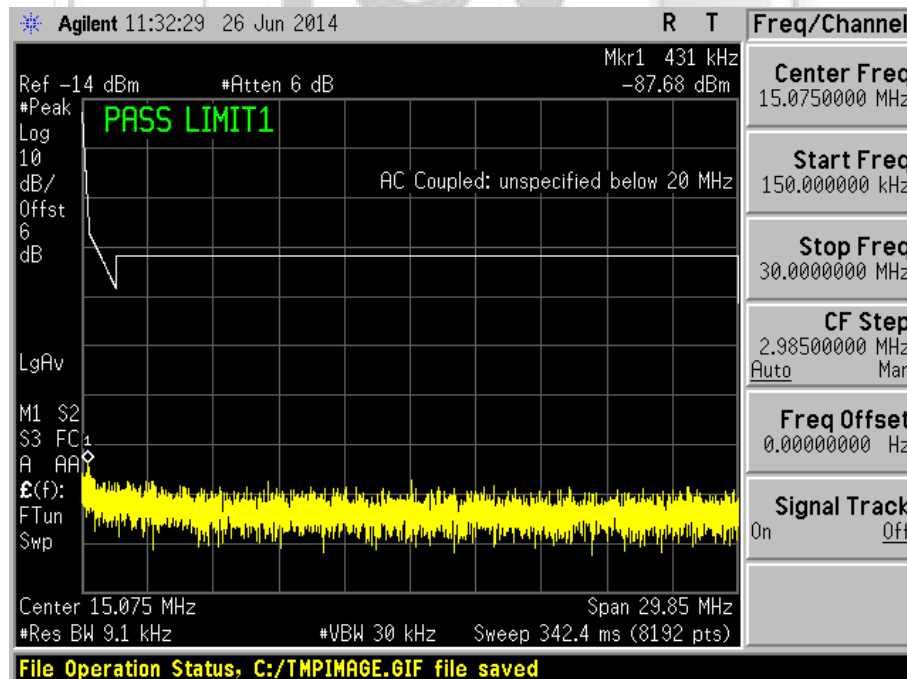
Plot 1872 – Channel 11 (upper ch) @ QPSK 81Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



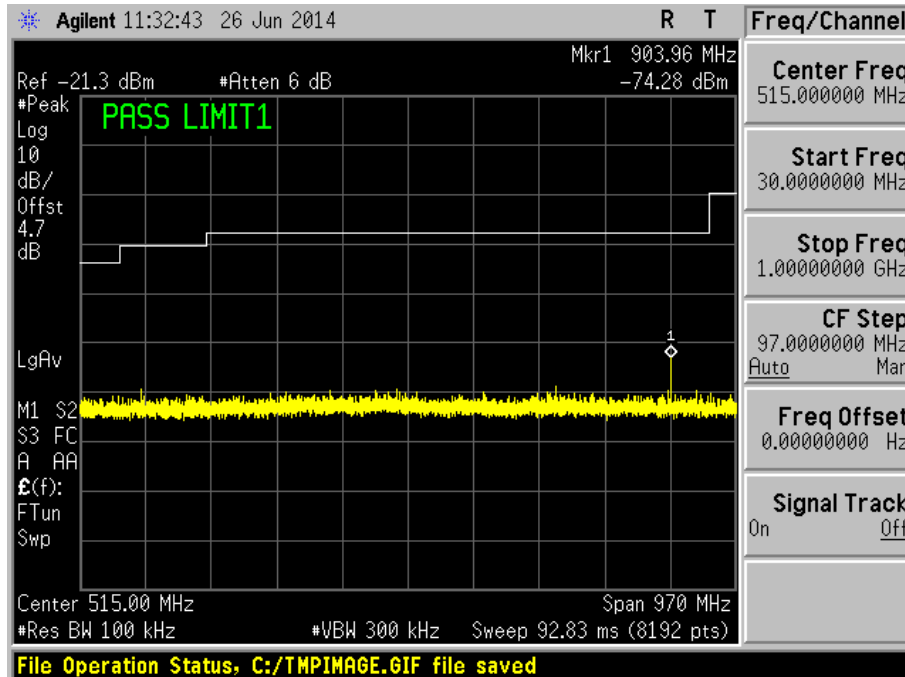
Plot 1873 – Channel 11 (upper ch) @ 16QAM 162Mbps



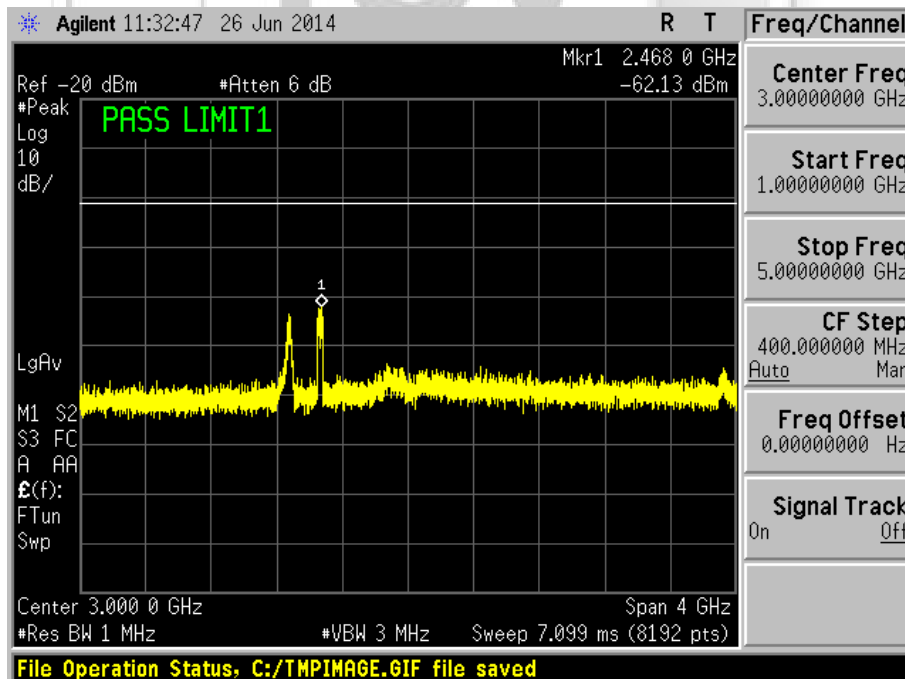
Plot 1874 – Channel 11 (upper ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



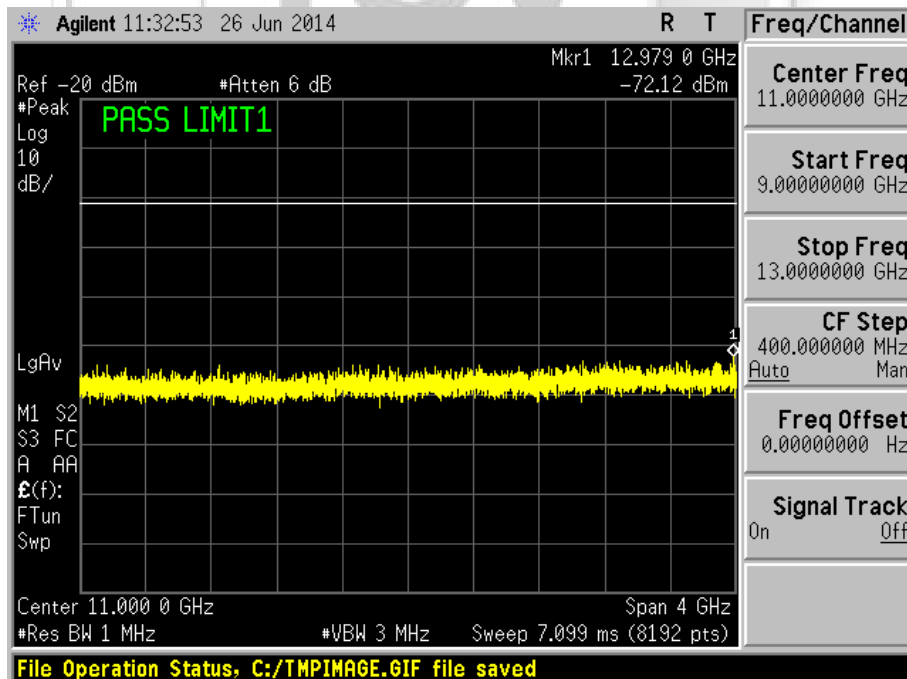
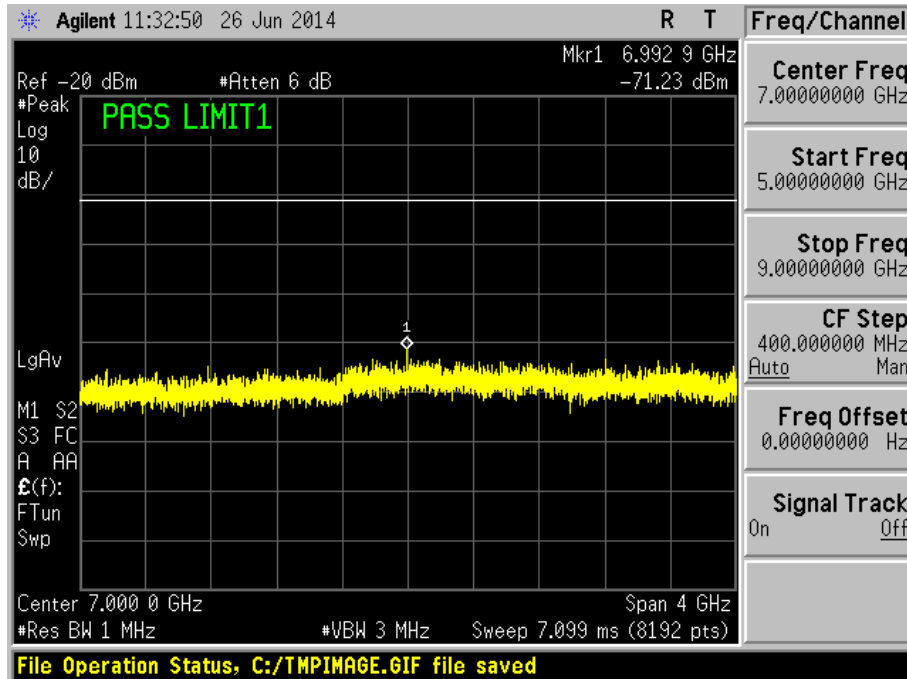
Plot 1875 – Channel 11 (upper ch) @ 16QAM 162Mbps



Plot 1876 – Channel 11 (upper ch) @ 16QAM 162Mbps

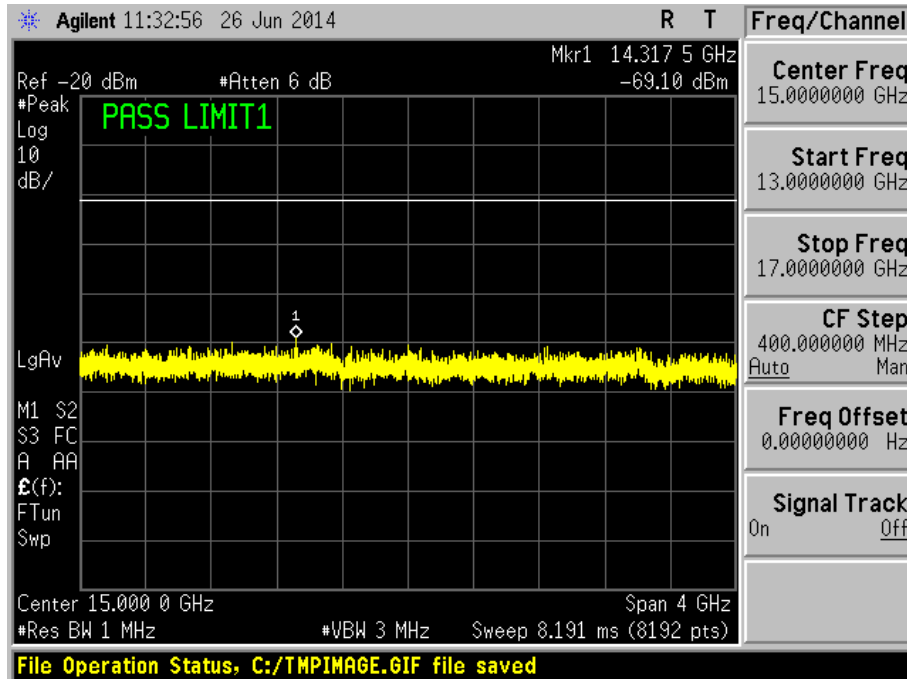
RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)

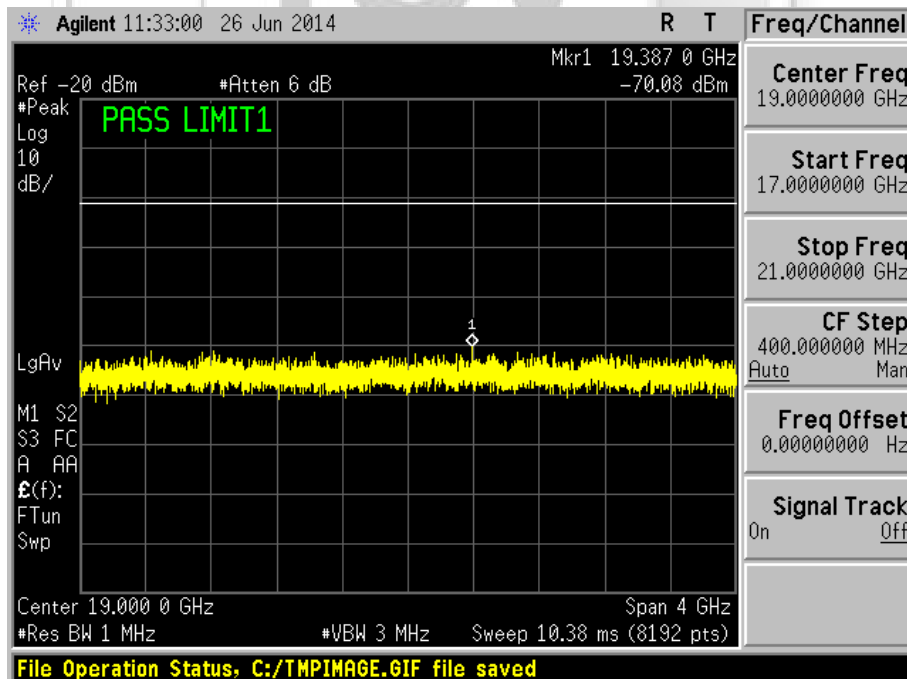


RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



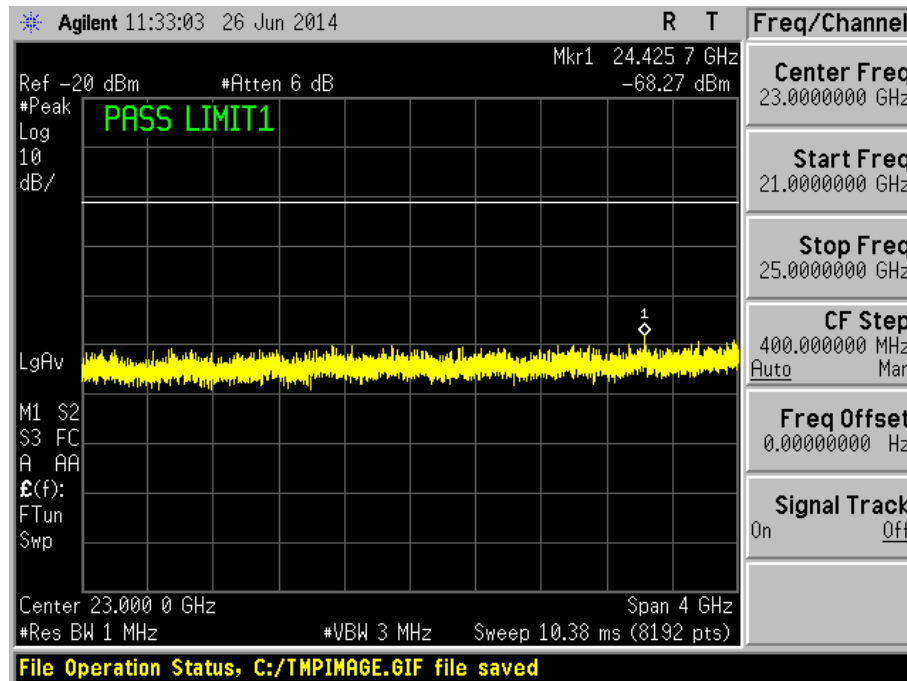
Plot 1879 – Channel 11 (upper ch) @ 16QAM 162Mbps



Plot 1880 – Channel 11 (upper ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

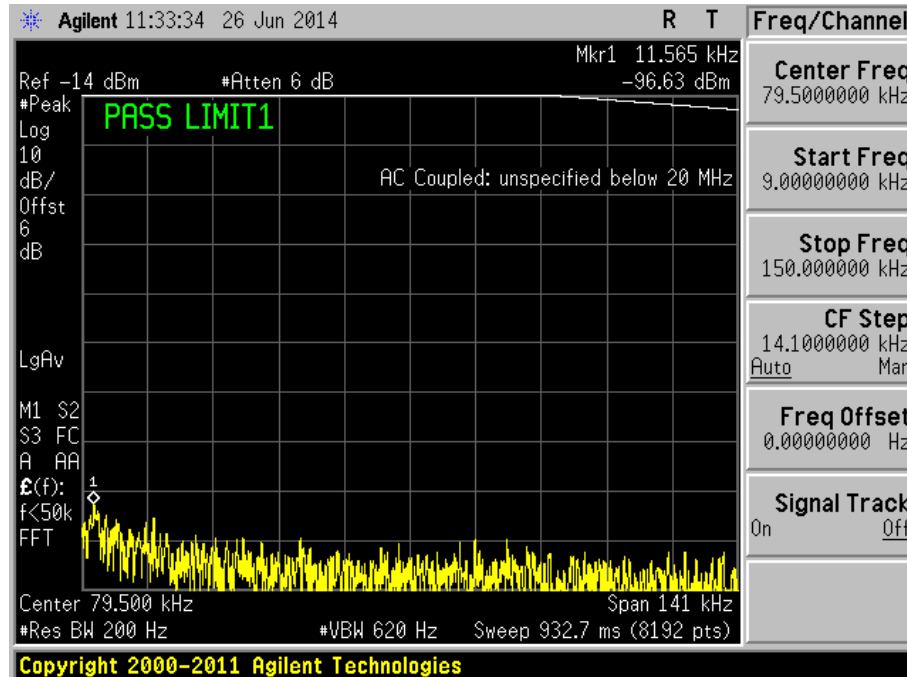
RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



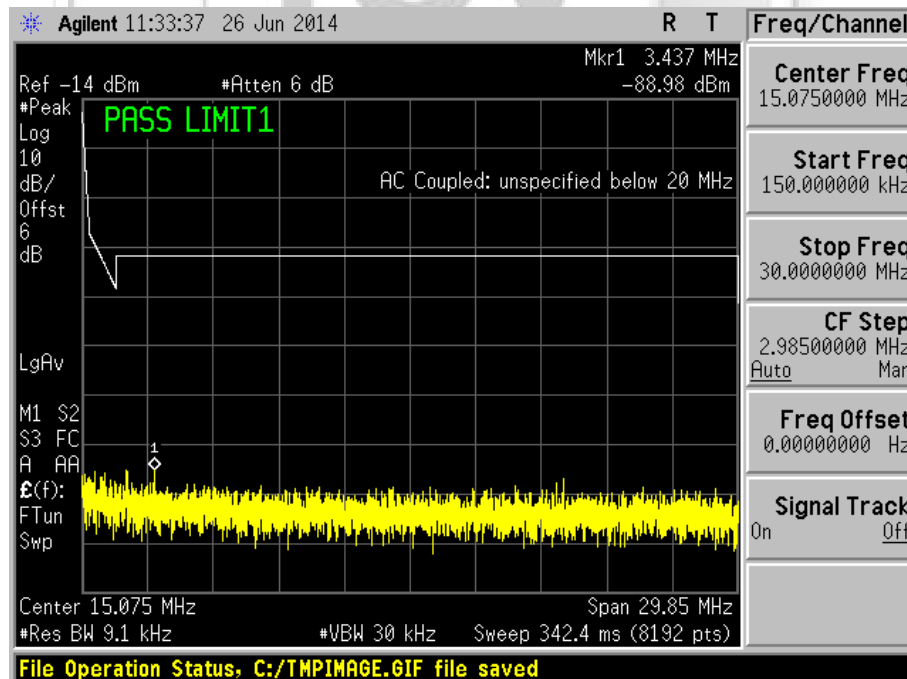
Plot 1881 – Channel 11 (upper ch) @ 16QAM 162Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



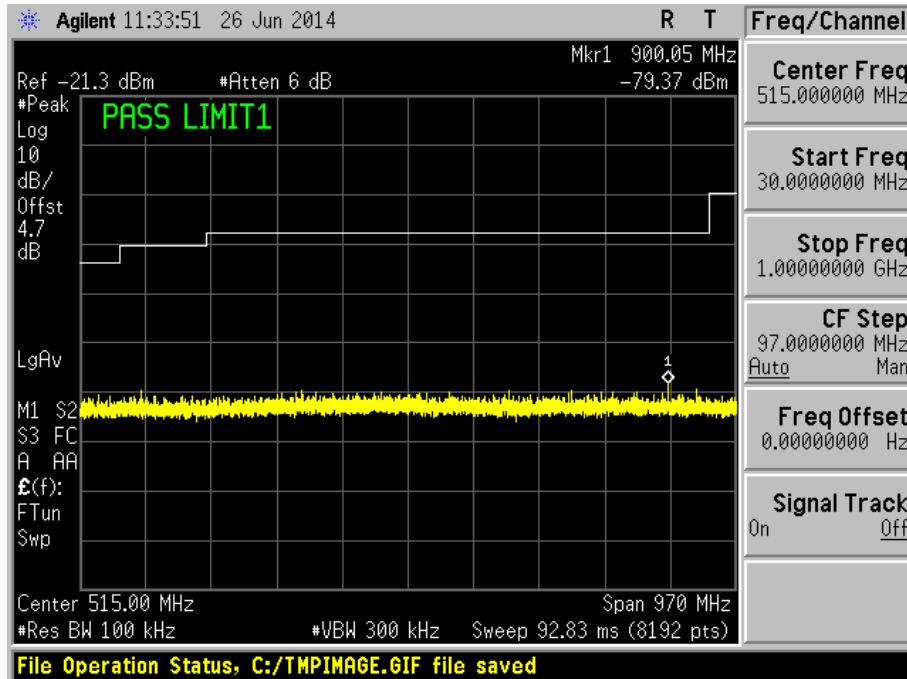
Plot 1882 – Channel 11 (upper ch) @ 64QAM 270Mbps



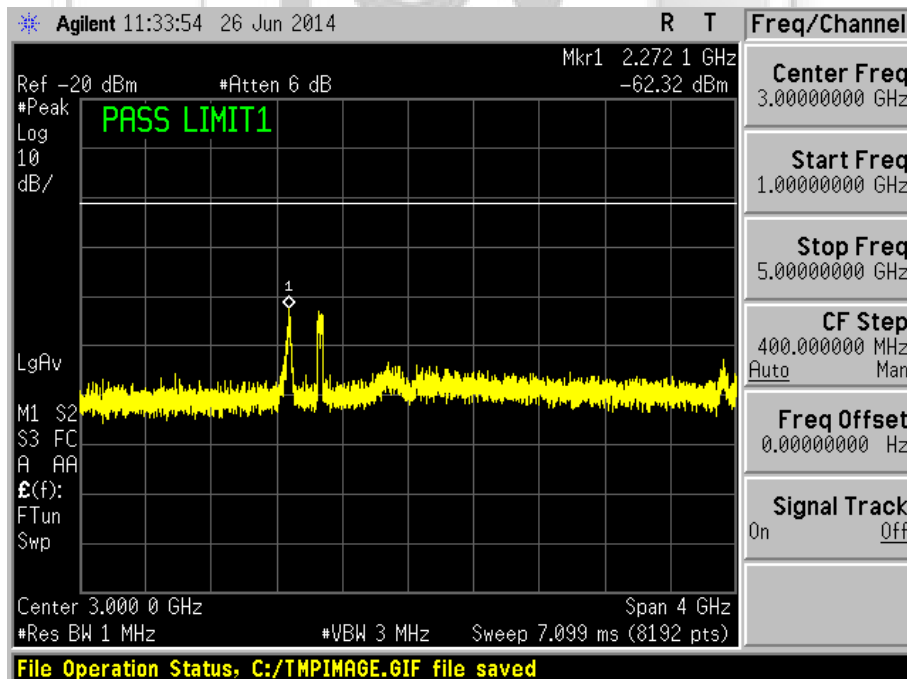
Plot 1883 – Channel 11 (upper ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



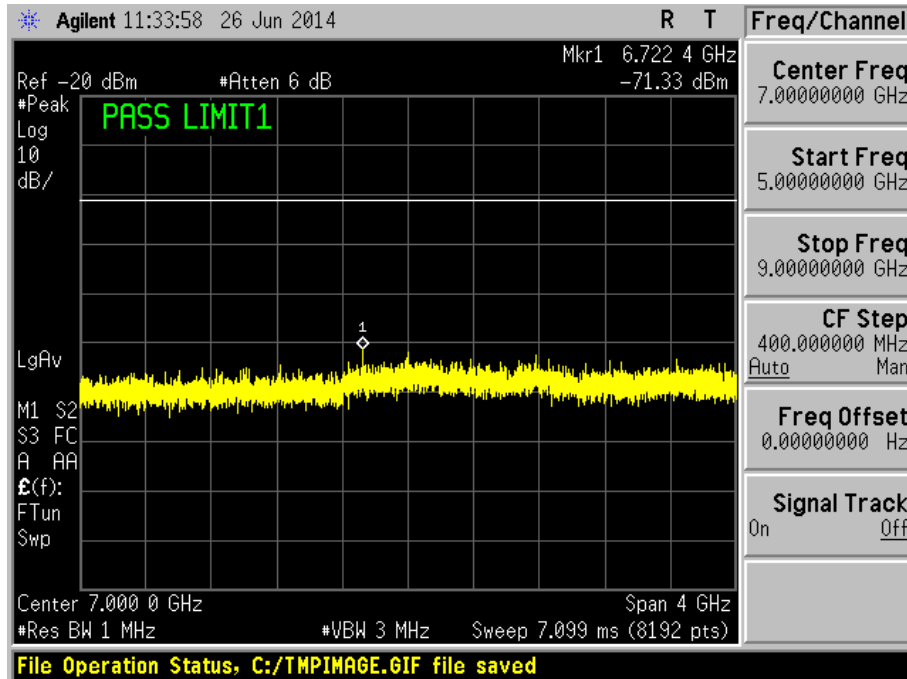
Plot 1884 – Channel 11 (upper ch) @ 64QAM 270Mbps



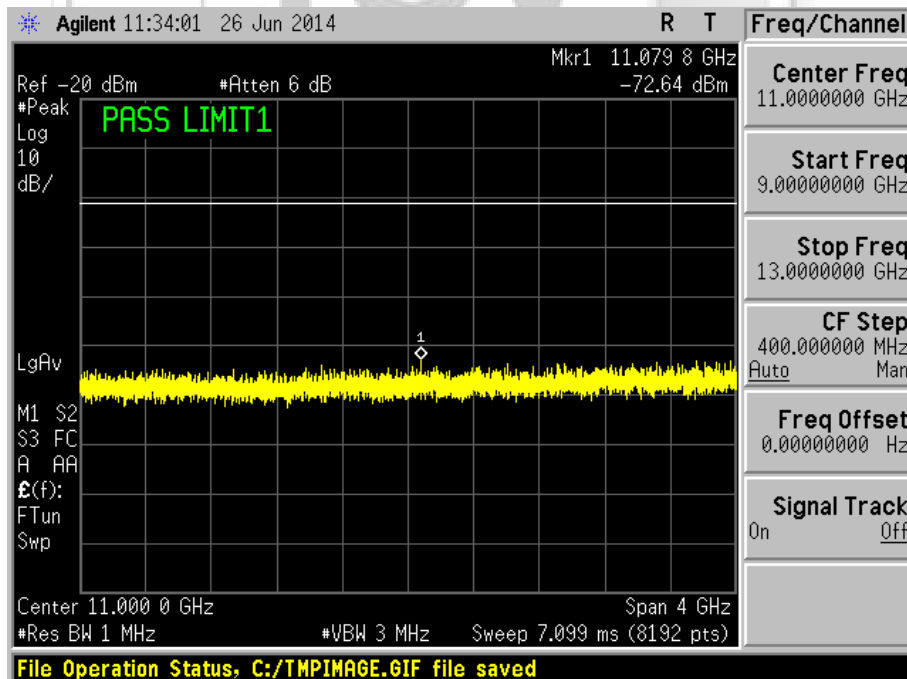
Plot 1885 – Channel 11 (upper ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



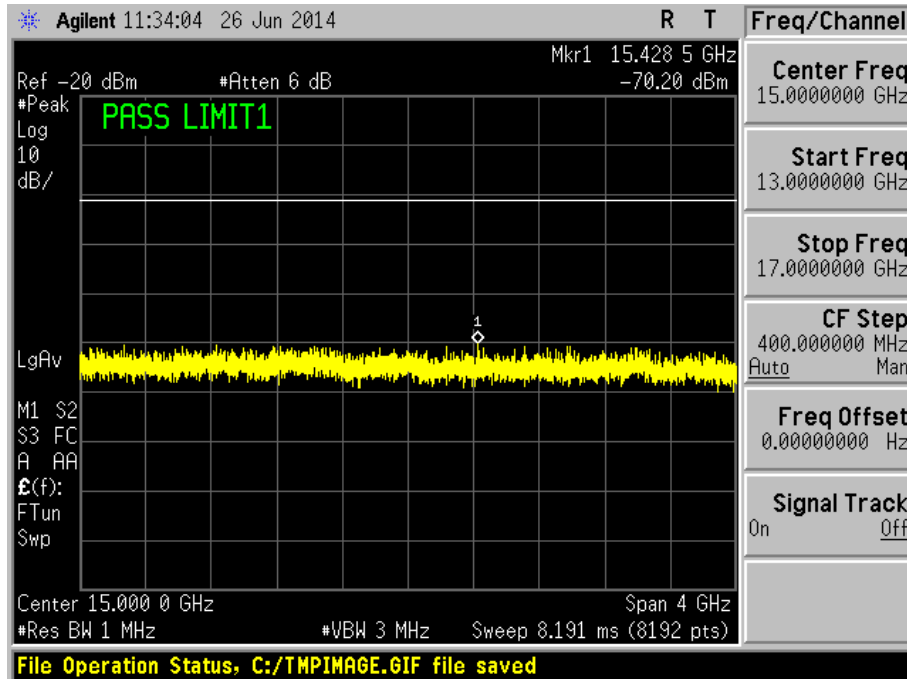
Plot 1886 – Channel 11 (upper ch) @ 64QAM 270Mbps



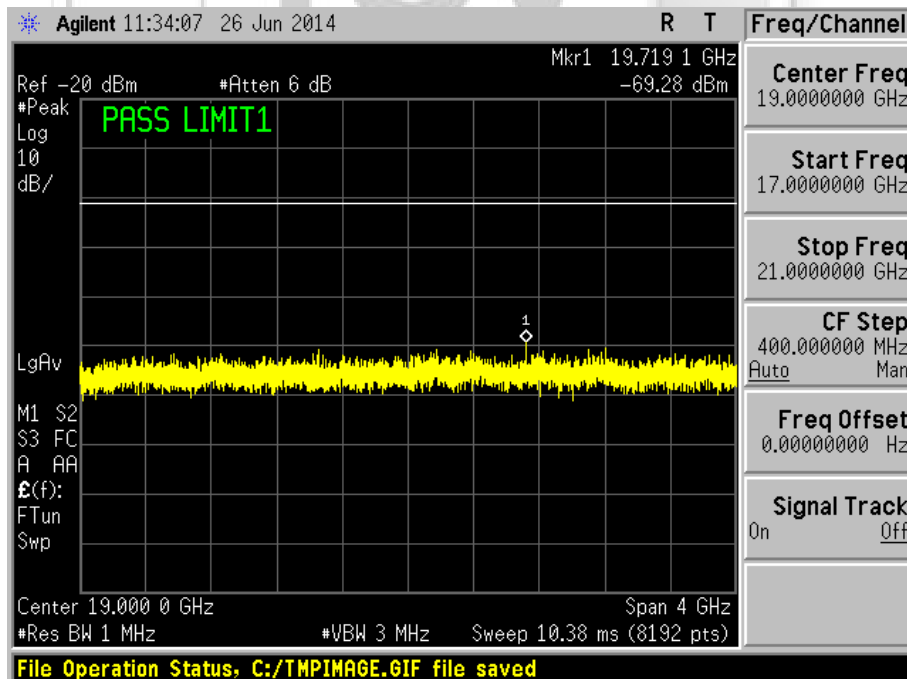
Plot 1887 – Channel 11 (upper ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



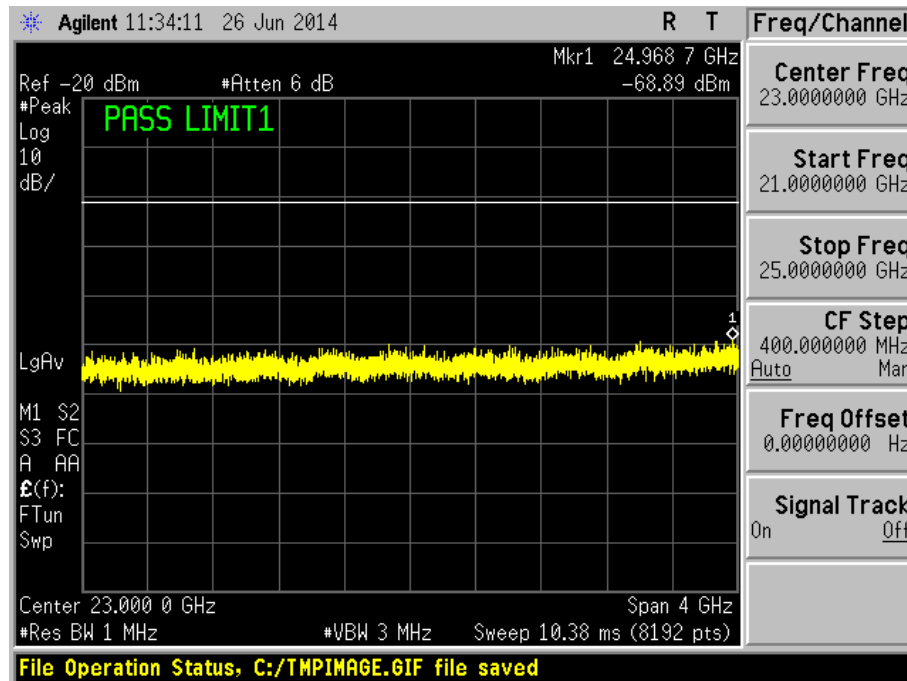
Plot 1888 – Channel 11 (upper ch) @ 64QAM 270Mbps



Plot 1889 – Channel 11 (upper ch) @ 64QAM 270Mbps

RF CONDUCTED SPURIOUS EMISSIONS (RESTRICTED BANDS) TEST

RF Conducted Spurious Emissions (Restricted) Plots – 802.11n (40MHz)



Plot 1890 – Channel 11 (upper ch) @ 64QAM 270Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

47 CFR FCC Part 15.247(d) Band Edge Compliance (Conducted) Limits

The EUT shows compliance to the requirements of this section, which states in any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator (EUT) is operating, the radio frequency power that is produced by the EUT shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

47 CFR FCC Part 15.247(d) Band Edge Compliance (Conducted) Test Instrumentation

Instrument	Model	S/No	Cal Due Date	Cal Interval
Agilent Spectrum Analyzer	E4404A	MY45304746	14 Nov 2014	1 year
Agilent DC Power Supply	E3620A	MY40000448	Output Monitor	Output Monitor

47 CFR FCC Part 15.247(d) Band Edge Compliance (Conducted) Test Setup

1. The EUT and supporting equipment were set up as shown in the setup photo.
2. The power supply for the EUT was connected to a filtered mains.
3. The RF antenna connector was connected to the spectrum analyser via a low-loss coaxial cable.
4. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 300kHz.
5. All other supporting equipment were powered separately from another filtered mains.

47 CFR FCC Part 15.247(d) Band Edge Compliance (Conducted) Test Method

1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with specified modulation and data rate.
2. The frequency span of the spectrum analyser was set to wide enough to capture the lower band edge of the transmission band, 2.400GHz and any spurious emissions at the band edge.
3. The spectrum analyser was set to max hold to capture any spurious emissions within the span. The signal capturing was continuous until no further spurious emissions were detected.
4. Repeat steps 1 to 3 with all possible modulations and data rates.
5. The steps 2 to 4 were repeated with the frequency span of the spectrum analyser was set to wide enough to capture the upper band edge frequency of the transmission band, 2.4835GHz and the any spurious emissions at the band-edge.



BAND EDGE COMPLIANCE (CONDUCTED) TEST

47 CFR FCC Part 15.247(d) Band Edge Compliance (Conducted) Results

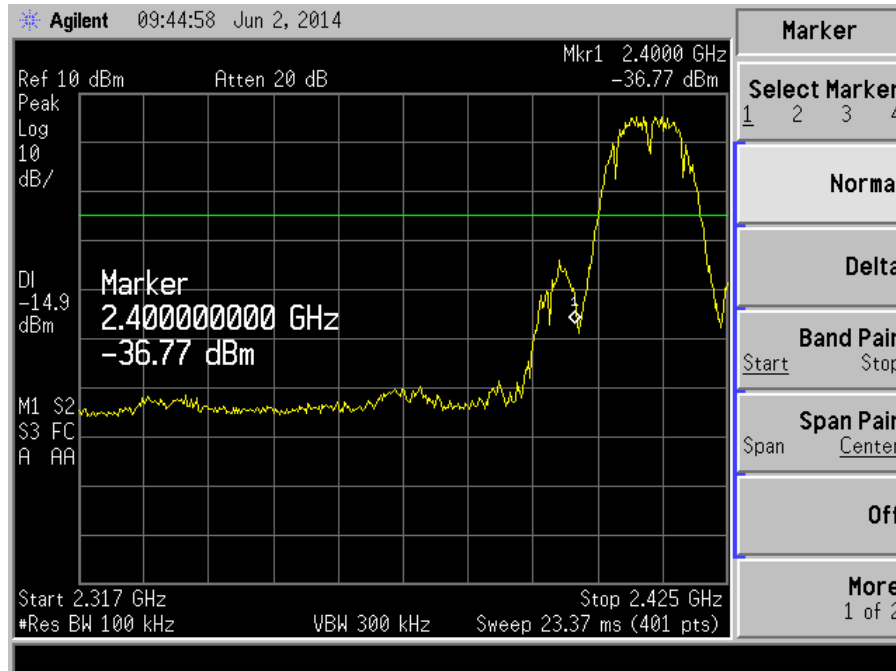
Test Input Power	12Vdc	Temperature	21°C
Attached Plots	1891 – 1920	Relative Humidity	53%
		Atmospheric Pressure	1030mbar
		Tested By	Kyaw Soe Hein

No significant signal was found and they were below the specified limit.

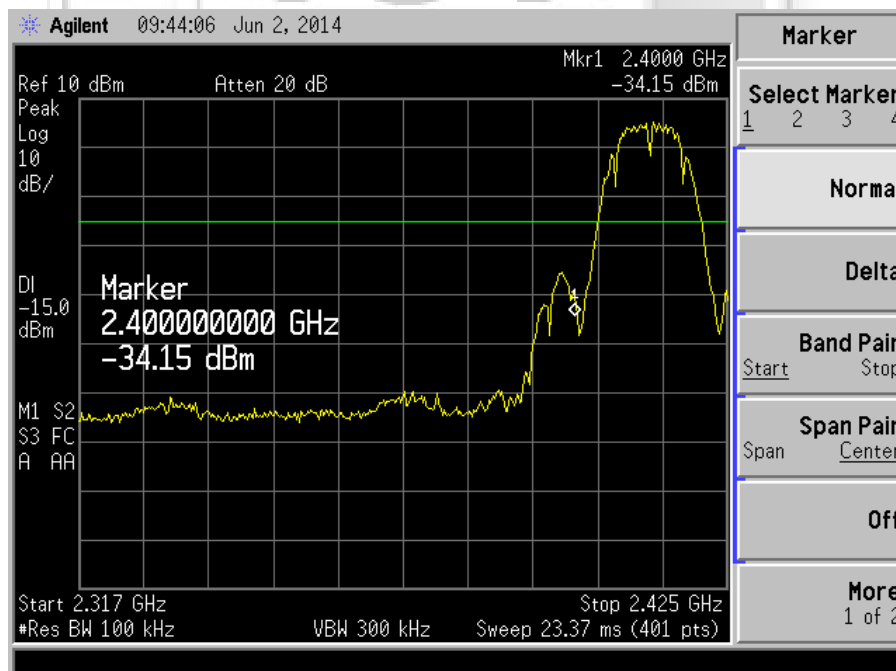


BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11b



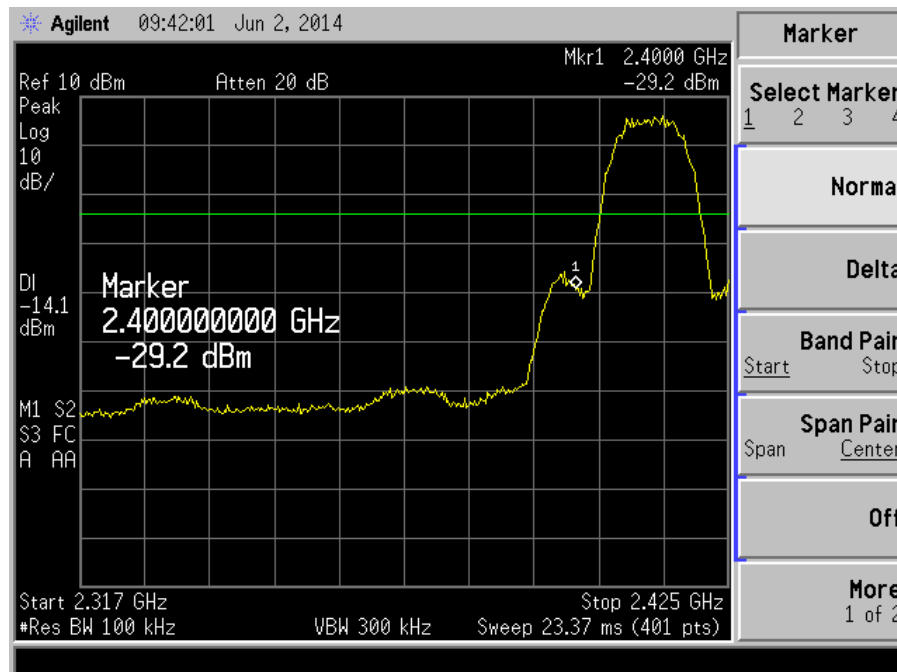
Plot 1891 – Lower Band Edge at 2.4000GHz @ CCK 1Mbps



Plot 1892 – Lower Band Edge at 2.4000GHz @ CCK 2Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

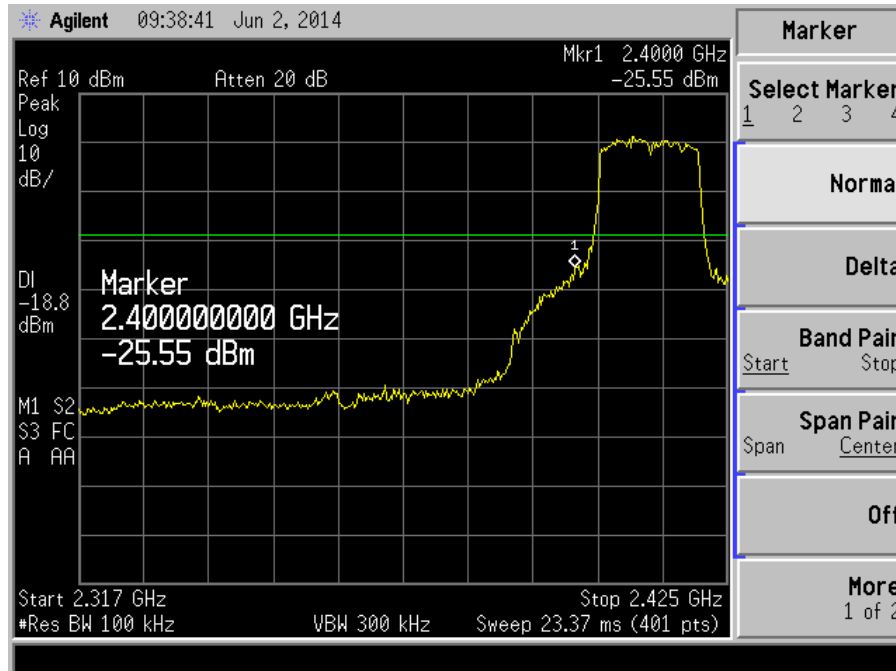
Band Edge Compliance (Conducted) Plots
802.11b



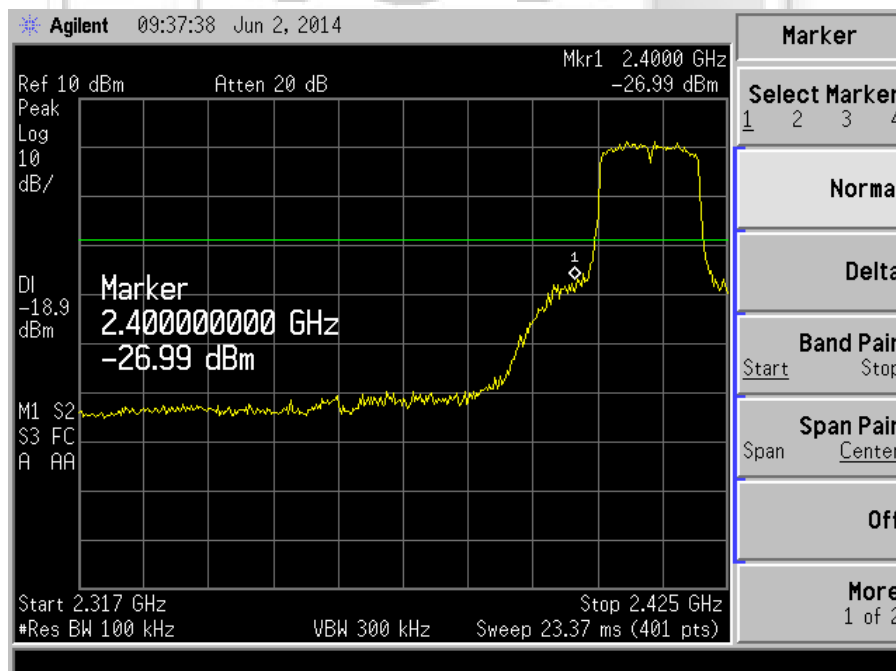
Plot 1893 – Lower Band Edge at 2.4000GHz @ CCK 11Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11g



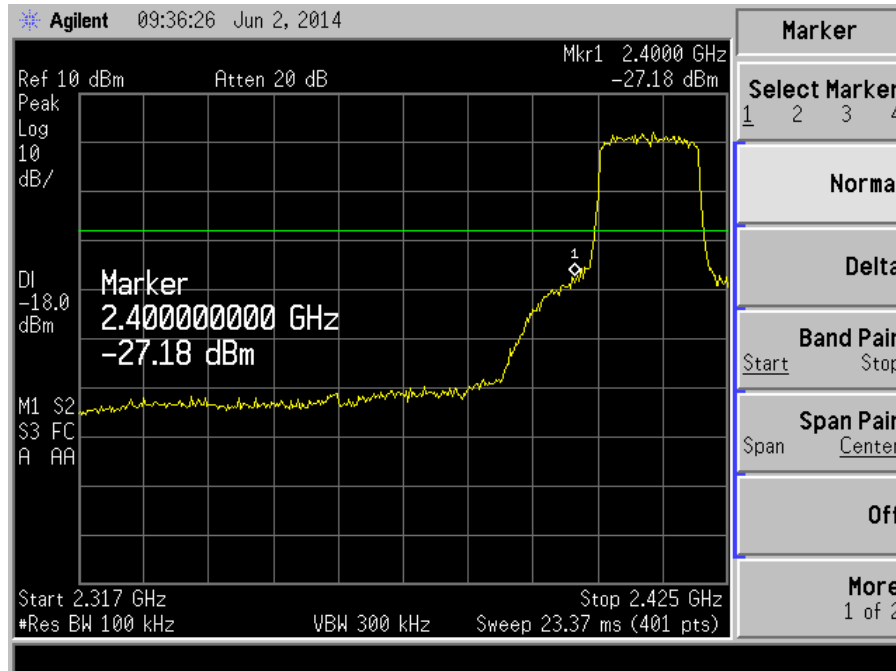
Plot 1894 – Lower Band Edge at 2.4000GHz @ OFDM 9Mbps



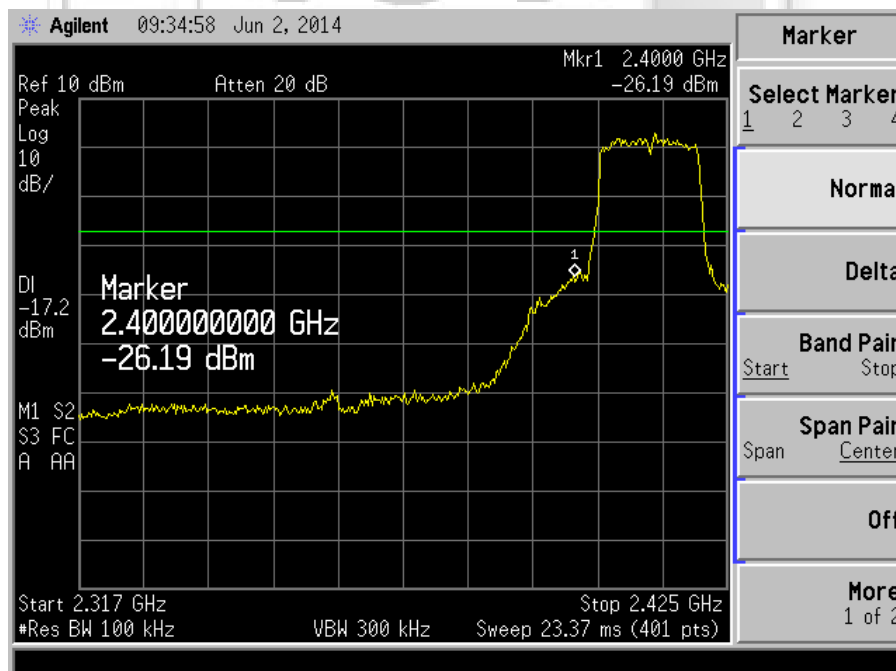
Plot 1895 – Lower Band Edge at 2.4000GHz @ OFDM 18Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11g



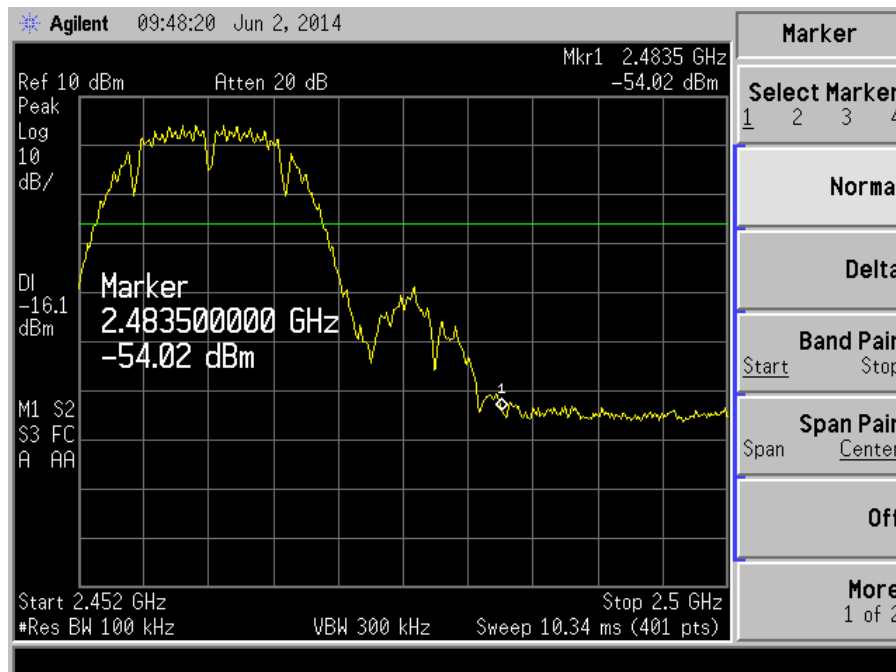
Plot 1896 – Lower Band Edge at 2.4000GHz @ OFDM 36Mbps



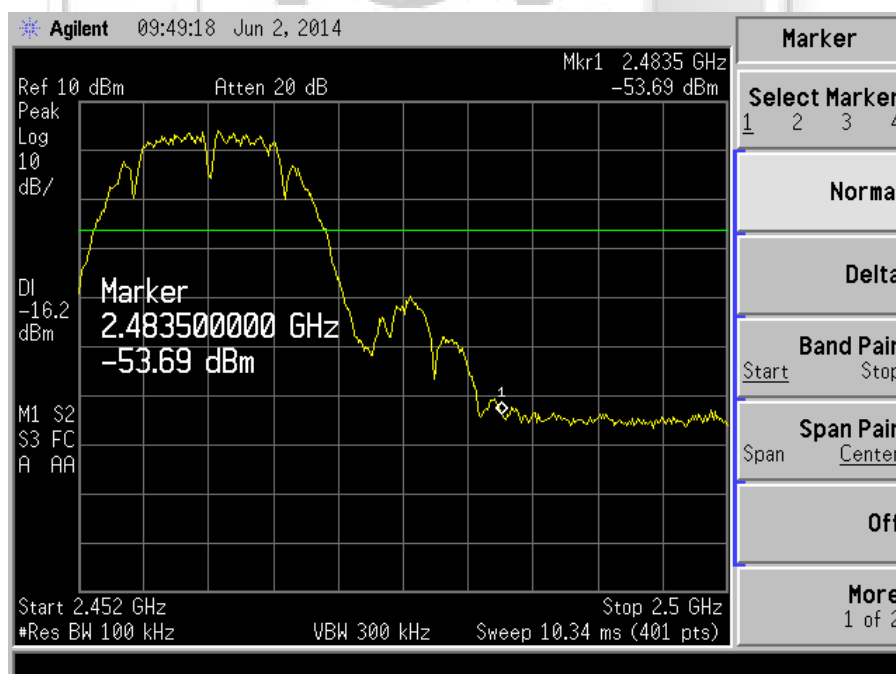
Plot 1897 – Lower Band Edge at 2.4000GHz @ OFDM 54Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11b



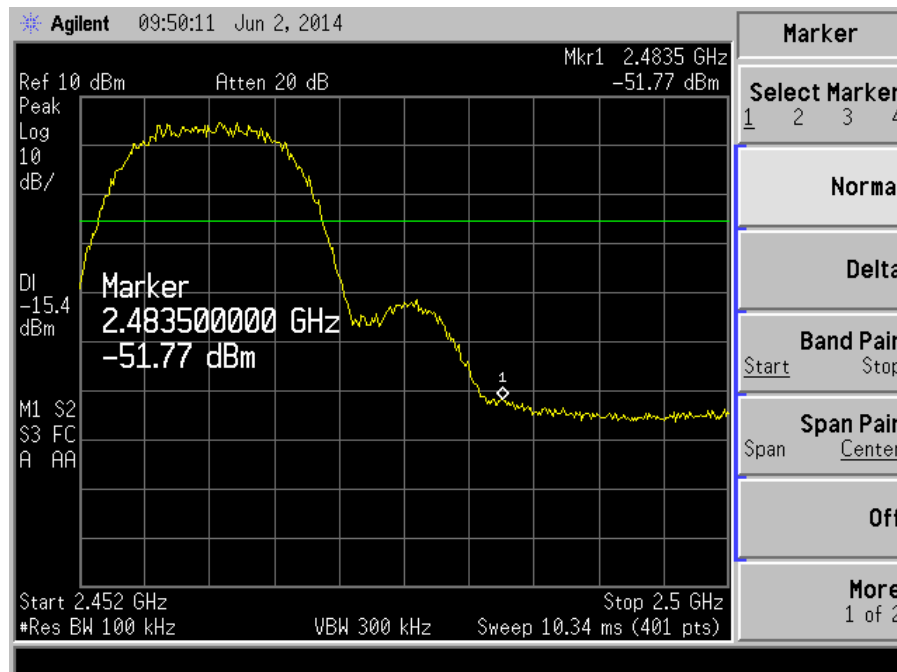
Plot 1898 – Upper Band Edge at 2.4835GHz @ CCK 1Mbps



Plot 1899 – Upper Band Edge at 2.4835GHz @ CCK 2Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

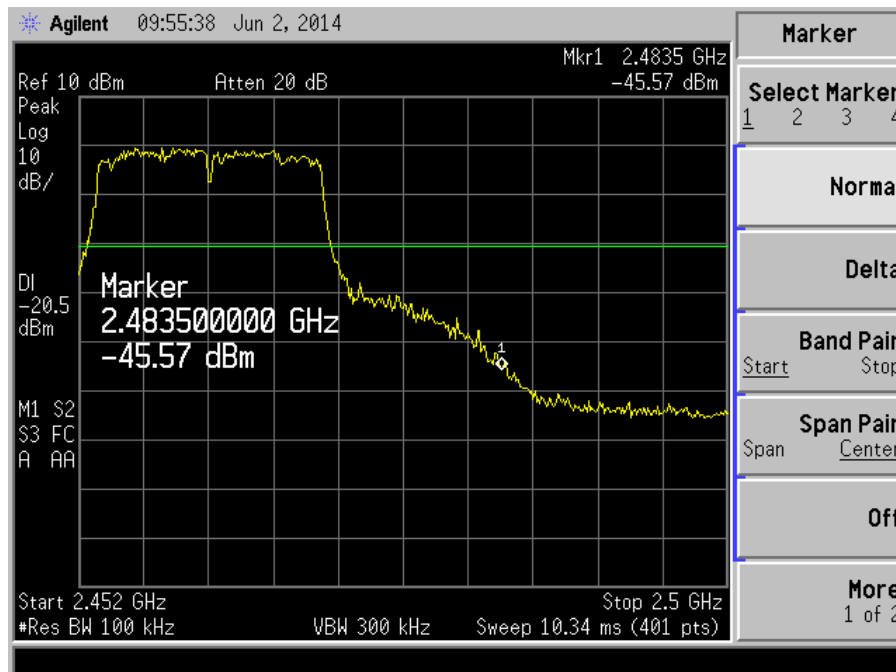
Band Edge Compliance (Conducted) Plots
802.11b



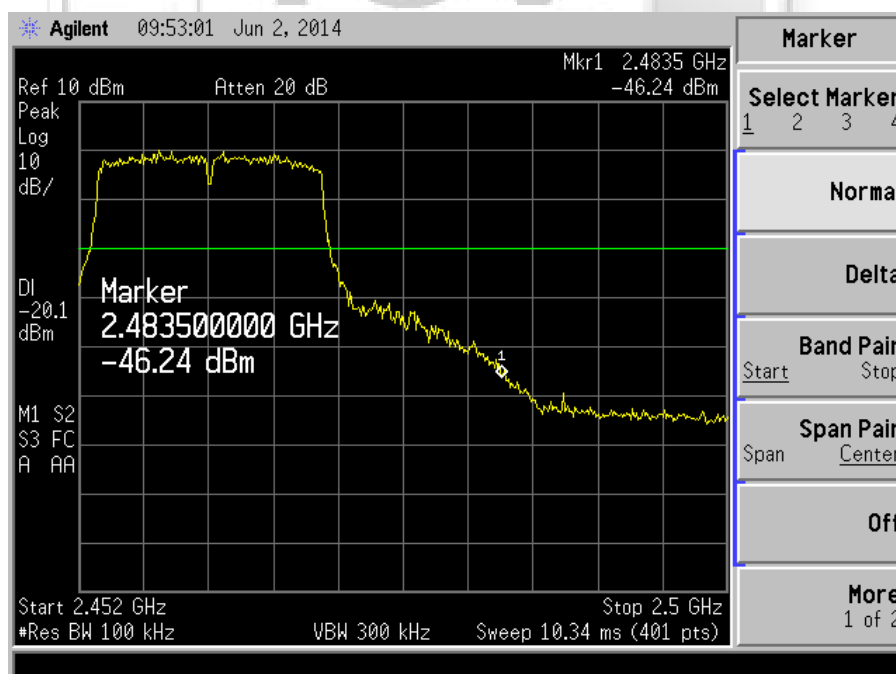
Plot 1900 – Upper Band Edge at 2.4835GHz @ CCK 11Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11g



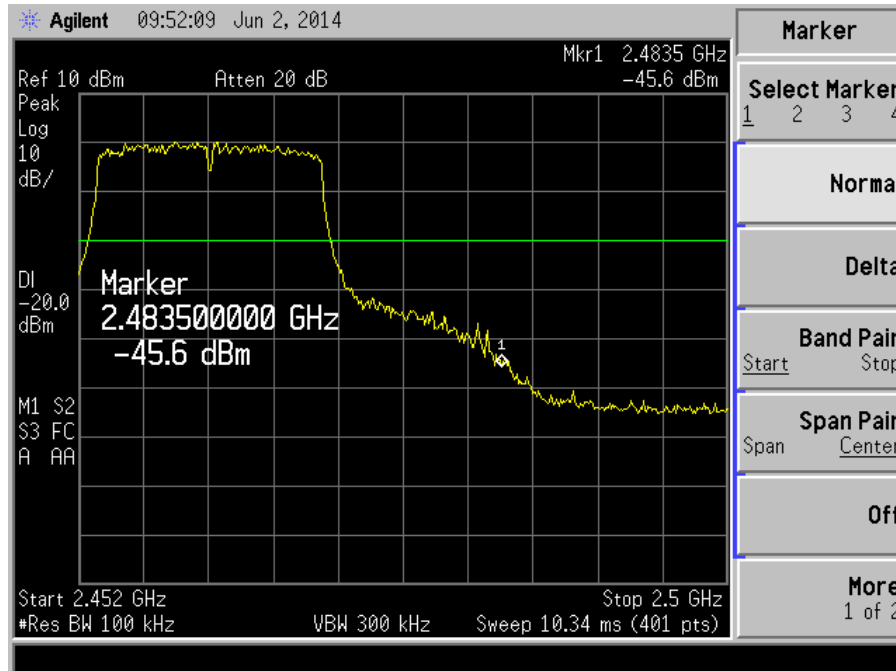
Plot 1901 – Upper Band Edge at 2.4835GHz @ OFDM 9Mbps



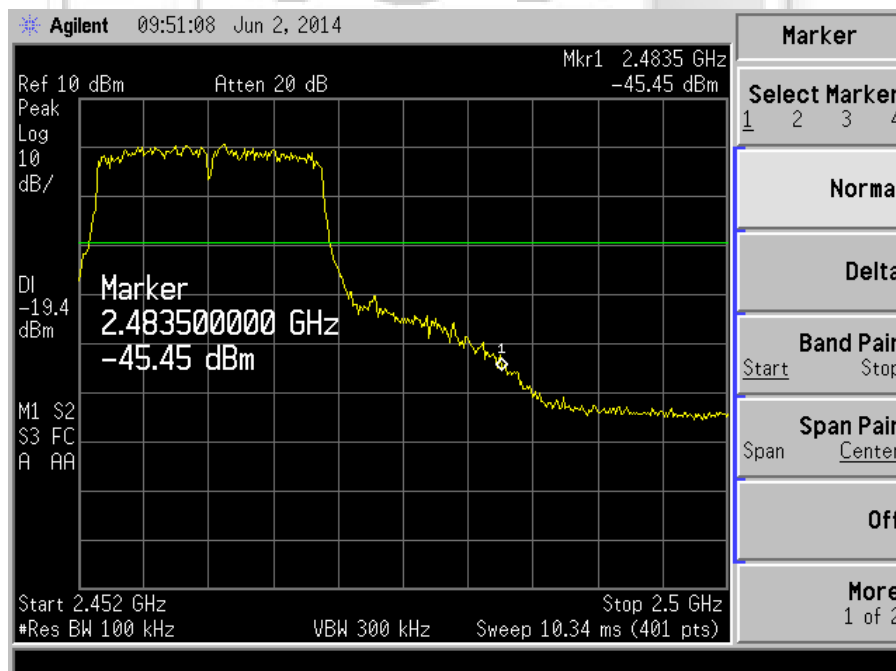
Plot 1902 – Upper Band Edge at 2.4835GHz @ OFDM 18Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11g



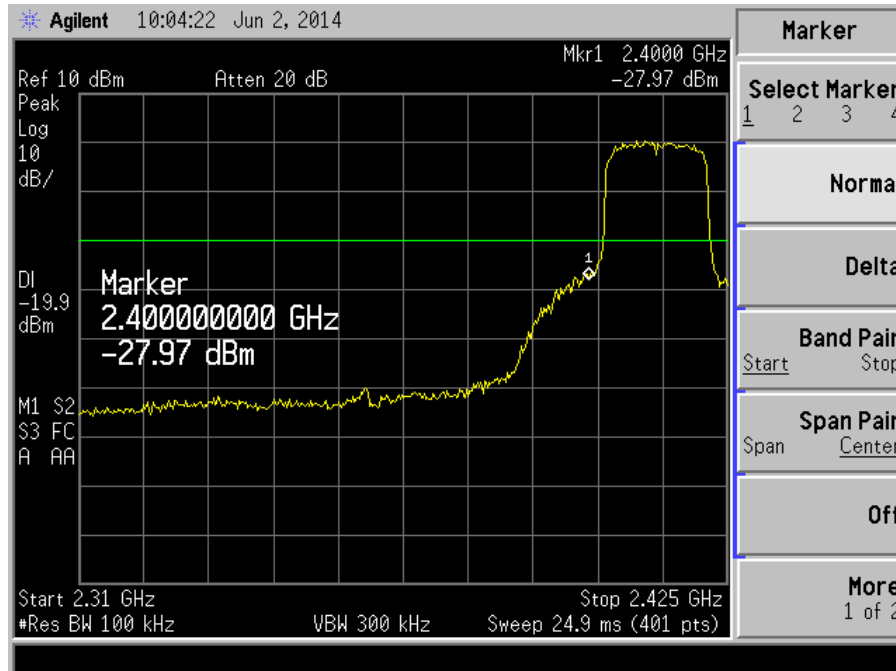
Plot 1903 – Upper Band Edge at 2.4835GHz @ OFDM 36Mbps



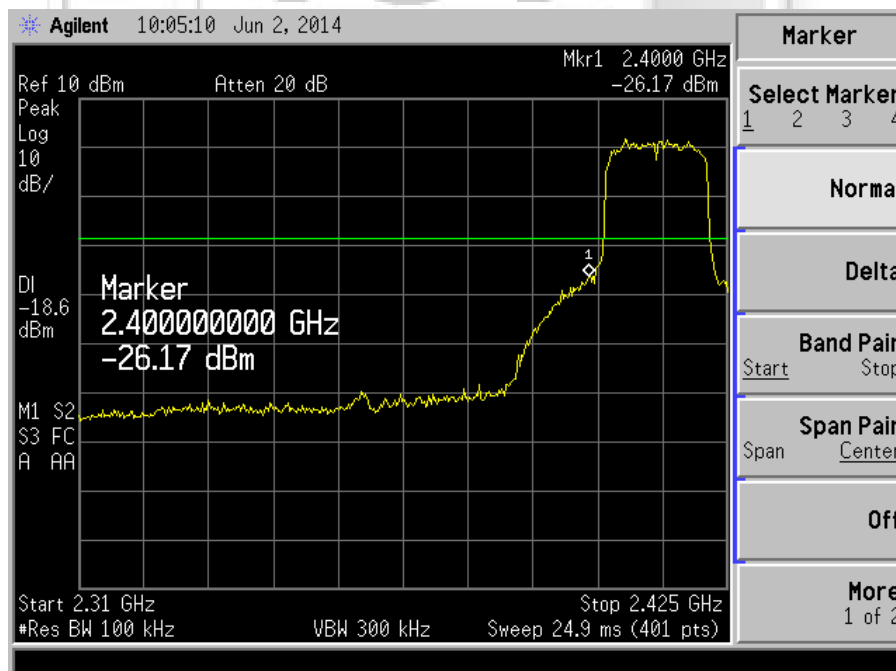
Plot 1904 – Upper Band Edge at 2.4835GHz @ OFDM 54Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11n (20MHz)



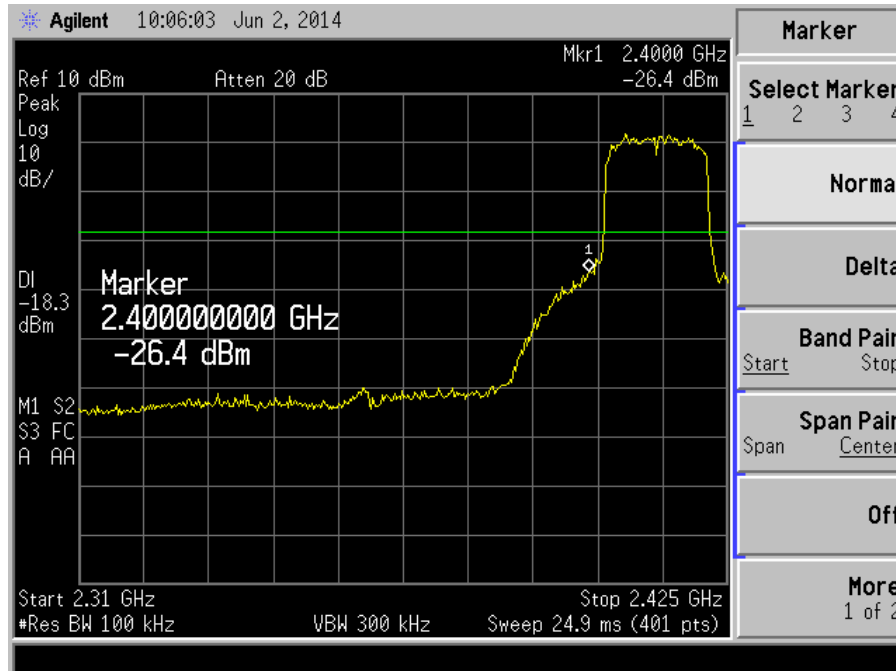
Plot 1905 – Lower Band Edge at 2.4000GHz @ MCS8-13Mbps



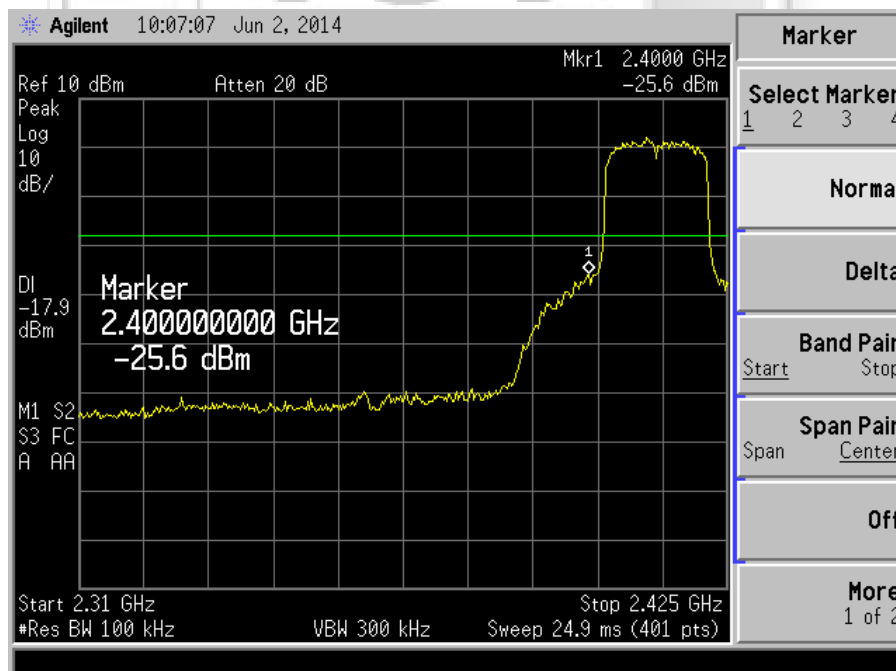
Plot 1906 – Lower Band Edge at 2.4000GHz @ MCS10- 39Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11n (20MHz)



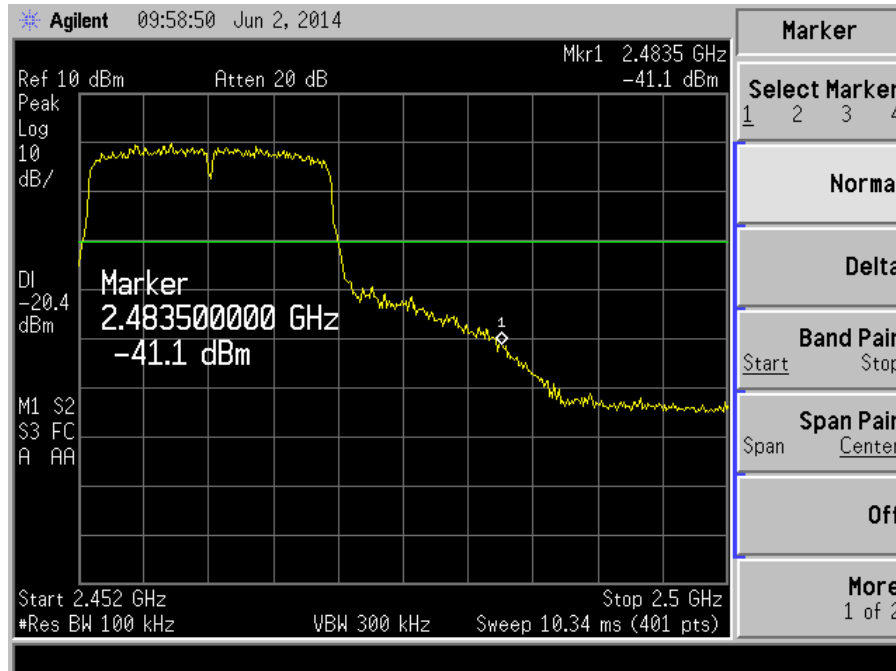
Plot 1907 – Lower Band Edge at 2.4000GHz @ MCS12-78Mbps



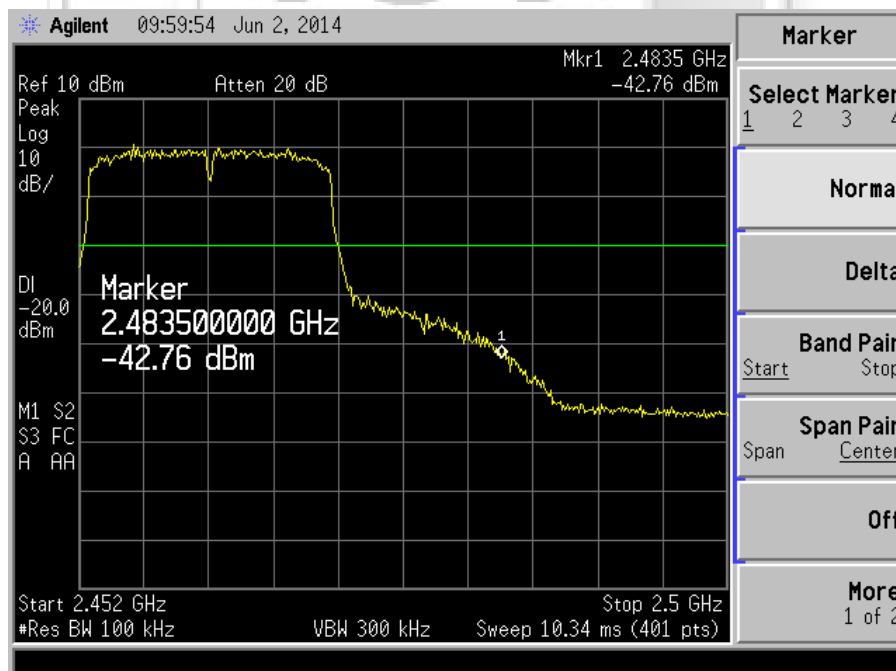
Plot 1908 – Lower Band Edge at 2.4000GHz @ MCS15-130Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots 802.11n (20MHz)



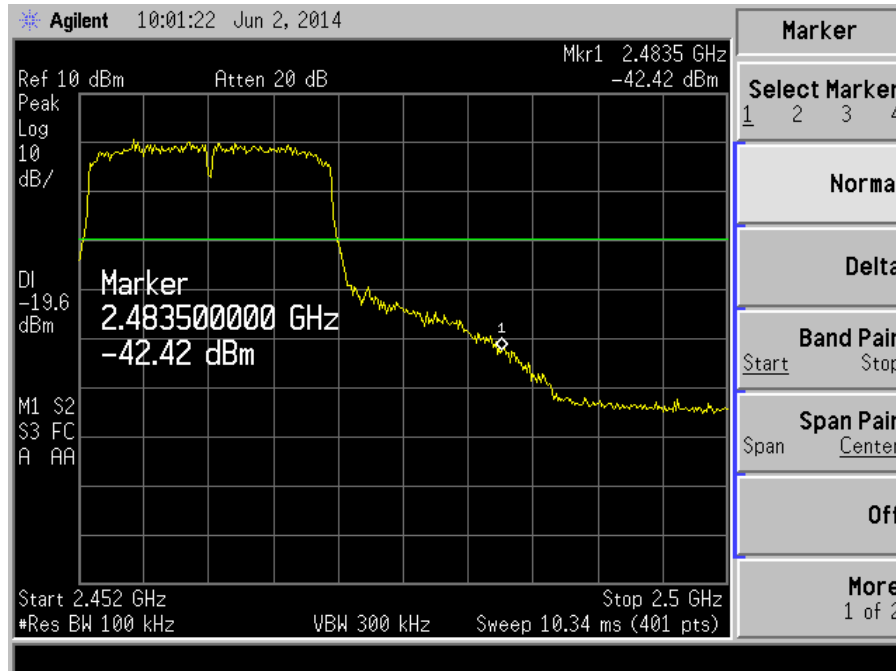
Plot 1909 – Upper Band Edge at 2.4835GHz @ MSC8-13Mbps



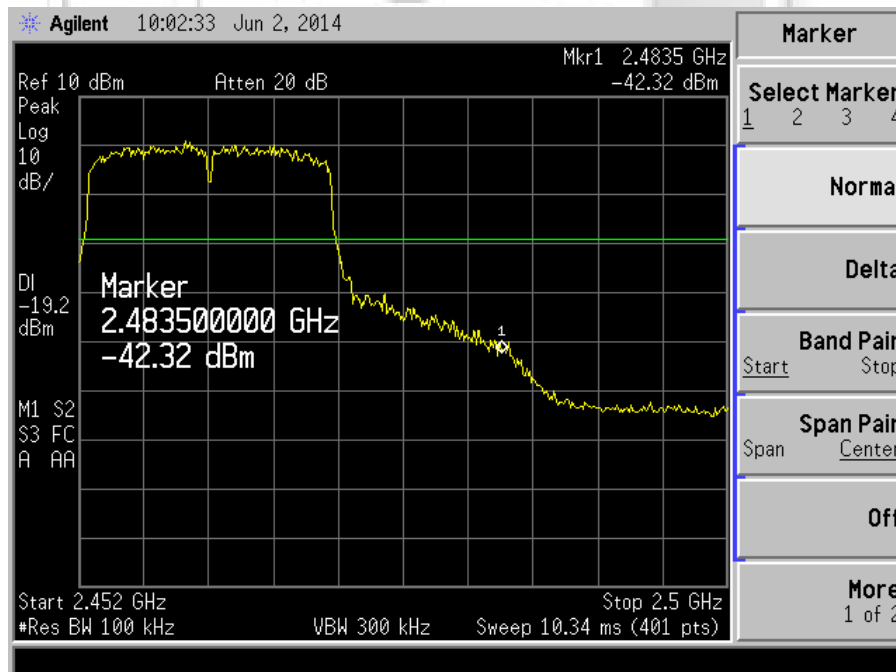
Plot 1910 – Upper Band Edge at 2.4835GHz @ MSC10-39Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11n (20MHz)



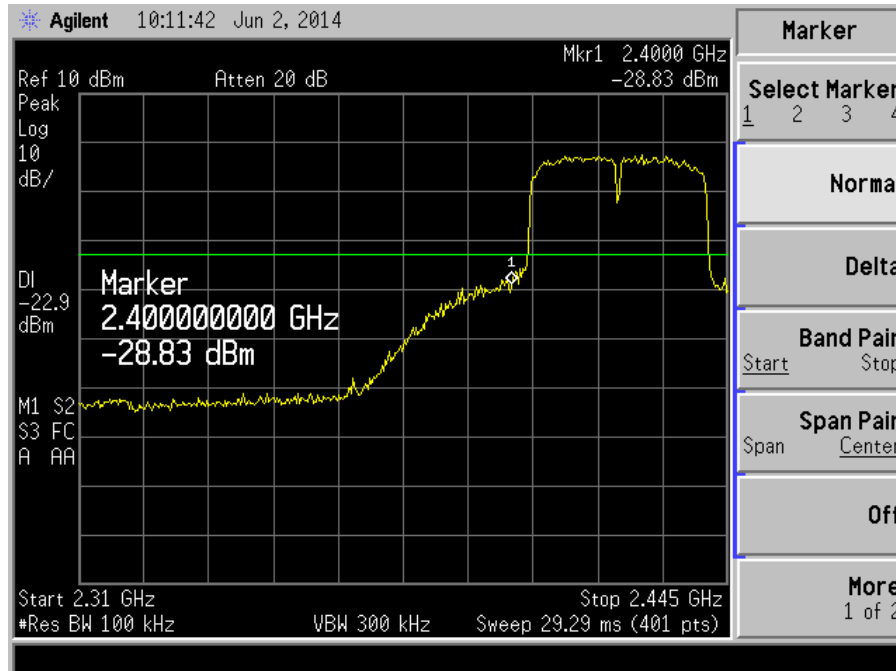
Plot 1911 – Upper Band Edge at 2.4835GHz @ MSC12-78Mbps



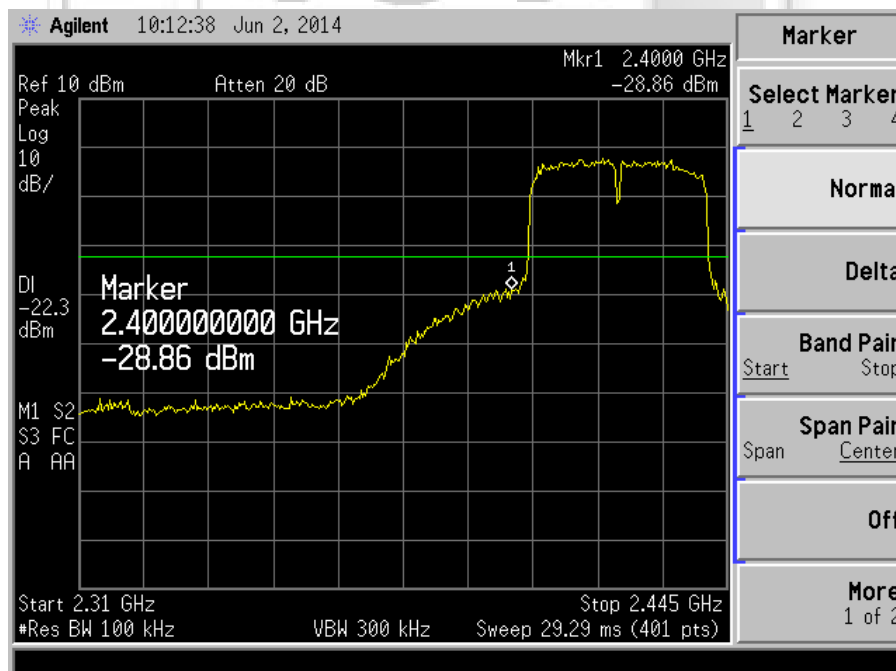
Plot 1912 – Upper Band Edge at 2.4835GHz @ MSC15-130Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11n (40MHz)



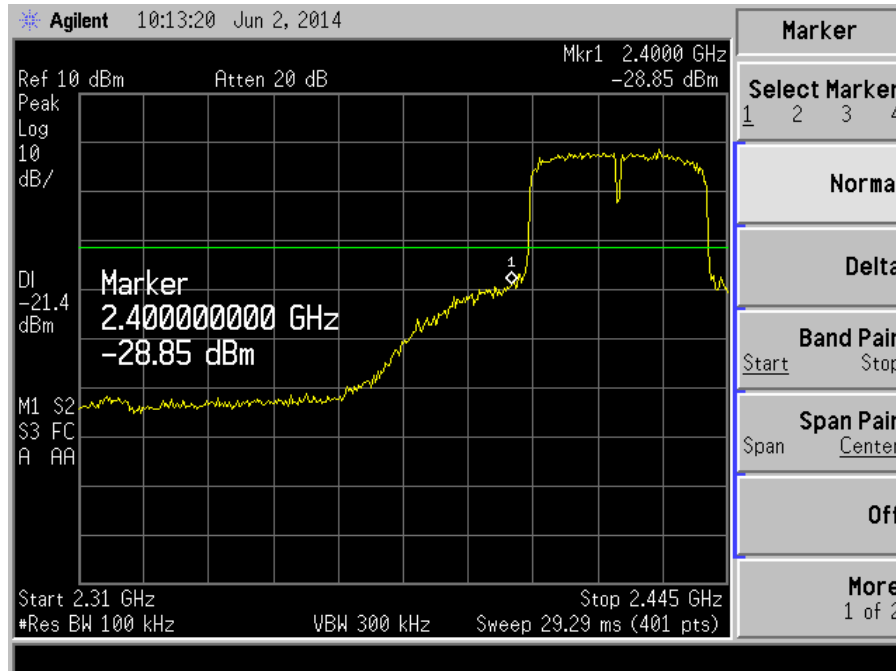
Plot 1913 – Lower Band Edge at 2.4000GHz @ MCS8-27Mbps



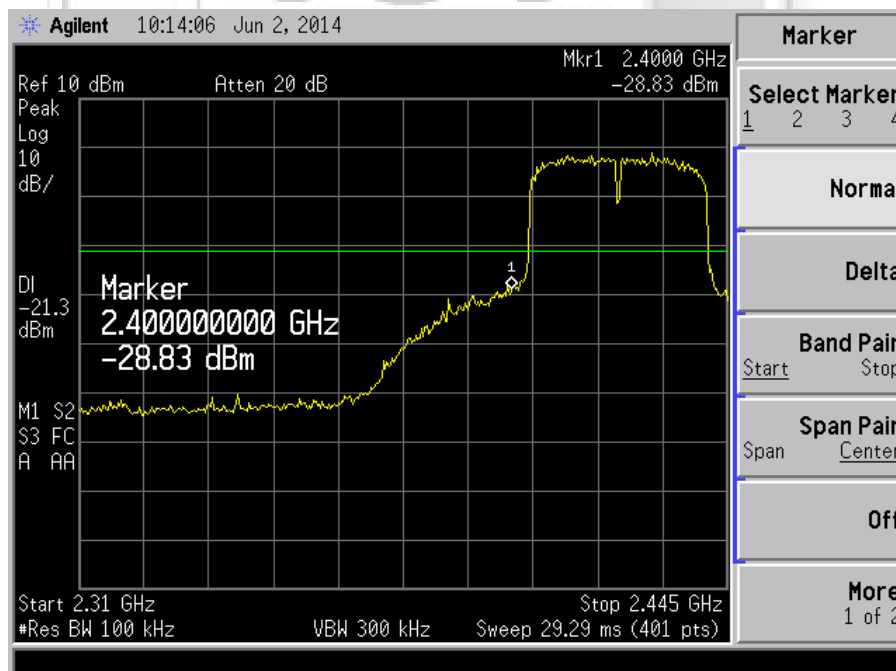
Plot 1914 – Lower Band Edge at 2.4000GHz @ MCS10- 81Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11n (40MHz)



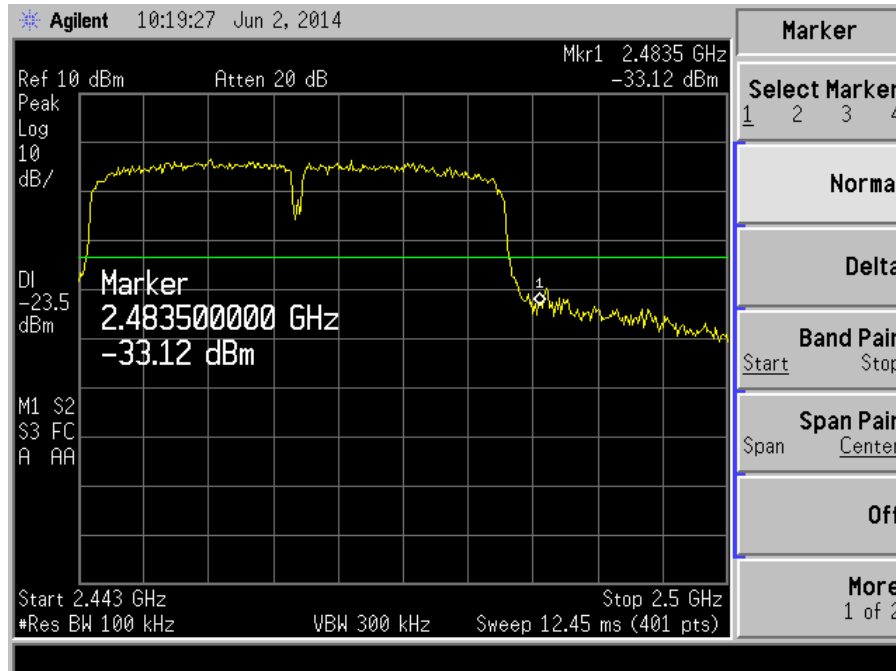
Plot 1915 – Lower Band Edge at 2.4000GHz @ MCS12-162Mbps



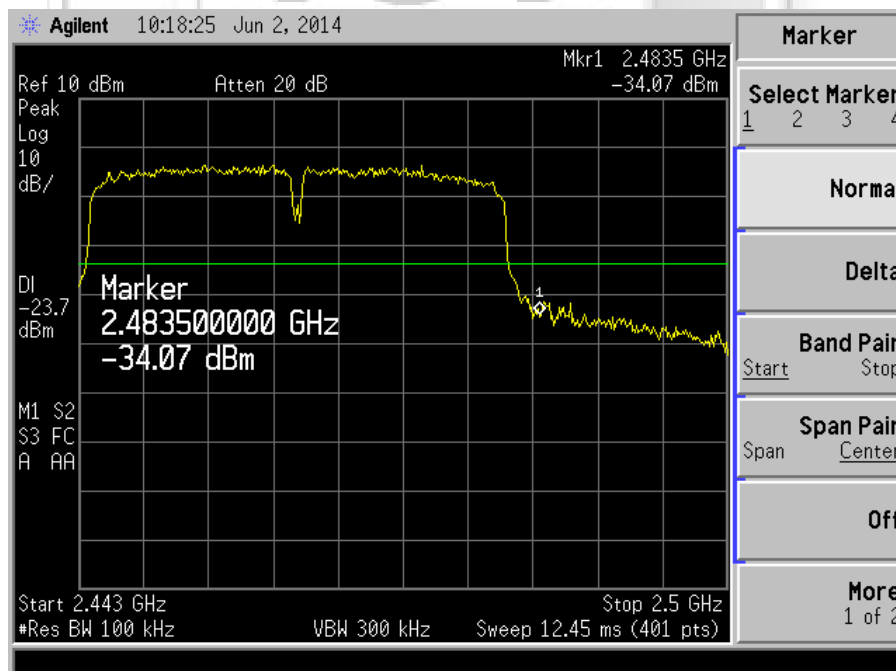
Plot 1916 – Lower Band Edge at 2.4000GHz @ MCS15-270Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots
802.11n (40MHz)



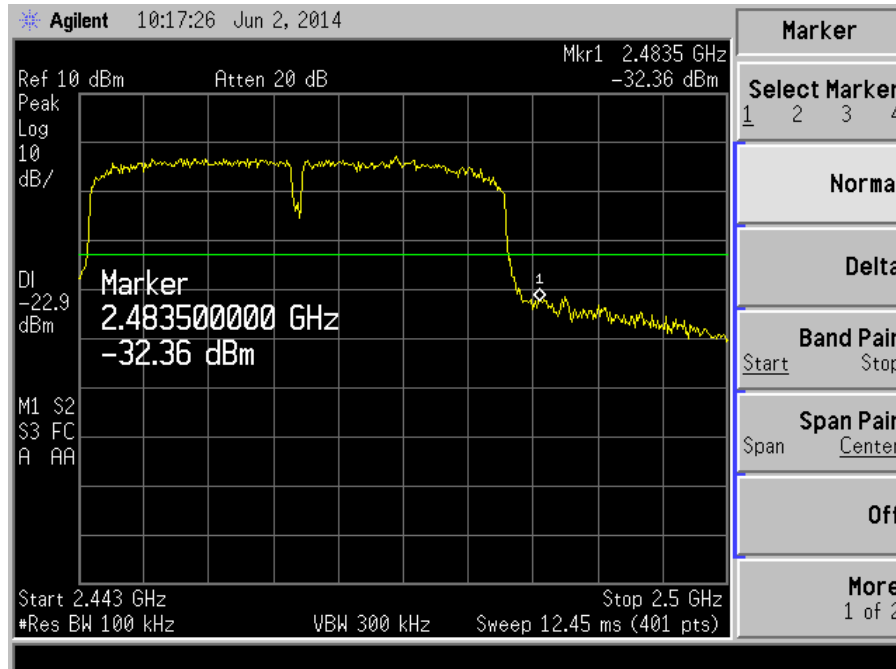
Plot 1917 – Upper Band Edge at 2.4835GHz @ MSC8-27Mbps



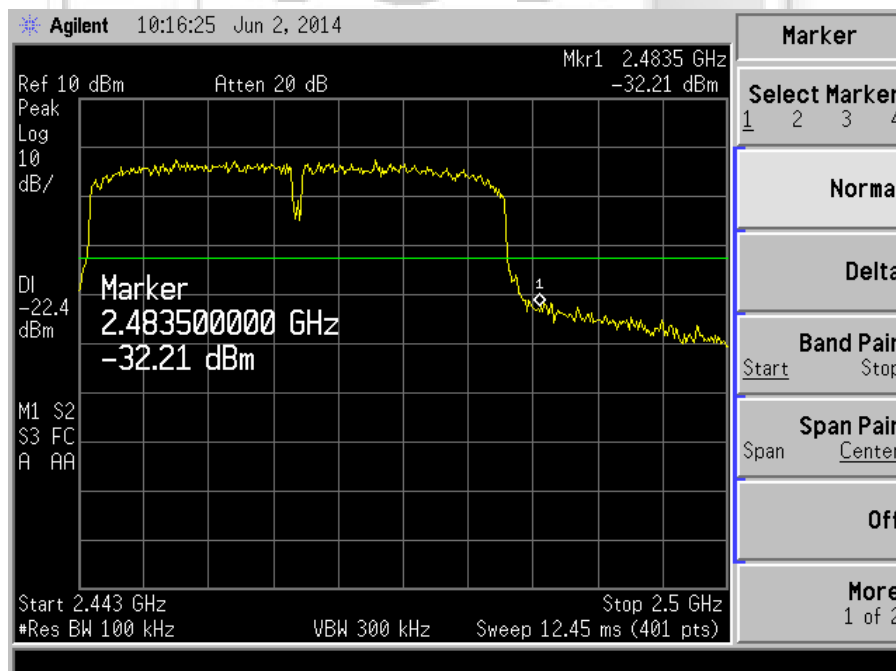
Plot 1918 – Upper Band Edge at 2.4835GHz @ MSC10-81Mbps

BAND EDGE COMPLIANCE (CONDUCTED) TEST

Band Edge Compliance (Conducted) Plots 802.11n (40MHz)



Plot 1919 – Upper Band Edge at 2.4835GHz @ MSC12-162Mbps



Plot 1920 – Upper Band Edge at 2.4835GHz @ MSC15-270Mbps

BAND EDGE COMPLIANCE (RADIATED) TEST

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Limits

The EUT shows compliance to the requirements of this section, which states in any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator (EUT) is operating, the radio frequency power that is produced by the EUT shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power. In addition, radiated emissions which fall in the restricted bands shall comply to the radiated emission limits specified in 15.209.

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Instrumentation

Instrument	Model	S/No	Cal Due Date	Cal Interval
Agilent Spectrum Analyzer	E7405A	MY45106084	01 Aug 2014	1 year
Schaffner Bilog Antenna –(30MHz-2GHz) BL3 (Ref)	CBL6112B	2549	23 Jan 2015	1 year
Com-Power Preamplifier (1MHz-1GHz)	PAM-103	441056	16 Aug 2014	1 year
R&S Preamplifier (1GHz -18GHz)	SCU18	102191	14 Mar 2015	1 year
EMCO Horn Antenna(1GHz-18GHz)	3115	9901-5671	13 Mar 2015	1 year
Agilent DC Power Supply	E3620A	MY40000448	Output Monitor	Output Monitor

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Setup

1. The EUT and supporting equipment were set up as shown in the setup photo.
2. The power supply for the EUT was connected to a filtered mains.
3. The resolution bandwidth (RBW) and the video bandwidth (VBW) of the spectrum analyser were respectively set to 100kHz and 300kHz to show compliance of spurious at band edges are at least 20dB below the carriers. For restricted band spurious at band edges, peak and average measurement plots were taken using the following setting:
 - a. Peak Plot:
RBW = VBW = 1MHz
 - b. Average Plot
RBW = 1MHz, VBW = 10Hz
4. All other supporting equipment were powered separately from another filtered mains.

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Test Method

1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode with specified modulation and data rate.
2. The frequency span of the spectrum analyser was set to wide enough to capture the lower band edge of the transmission band, 2.400GHz and any spurious emissions at the band edge.
3. The spectrum analyser was set to max hold to capture any spurious emissions within the span. The signal capturing was continuous until no further spurious emissions were detected.
4. Repeat steps 1 to 3 with all possible modulations and data rates.
5. The steps 2 to 4 were repeated with the frequency span of the spectrum analyser was set to wide enough to capture the upper band edge frequency of the transmission band, 2.4835GHz and the any spurious emissions at the band-edge.



BAND EDGE COMPLIANCE (RADIATED) TEST

47 CFR FCC Part 15.247(d) Band Edge Compliance (Radiated) Results

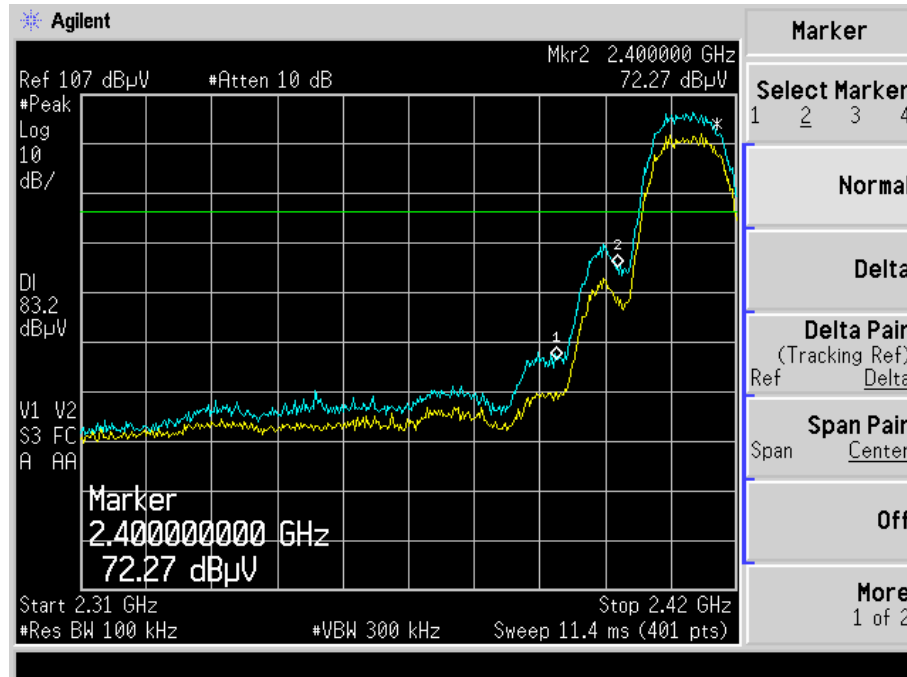
Test Input Power	12Vdc	Temperature	23°C
Attached Plots	1921 – 1944	Relative Humidity	54%
		Atmospheric Pressure	1030mbar
		Tested By	Kyaw Soe Hein

No significant signal was found and they were below the specified limit.



BAND EDGE COMPLIANCE (RADIATED) TEST

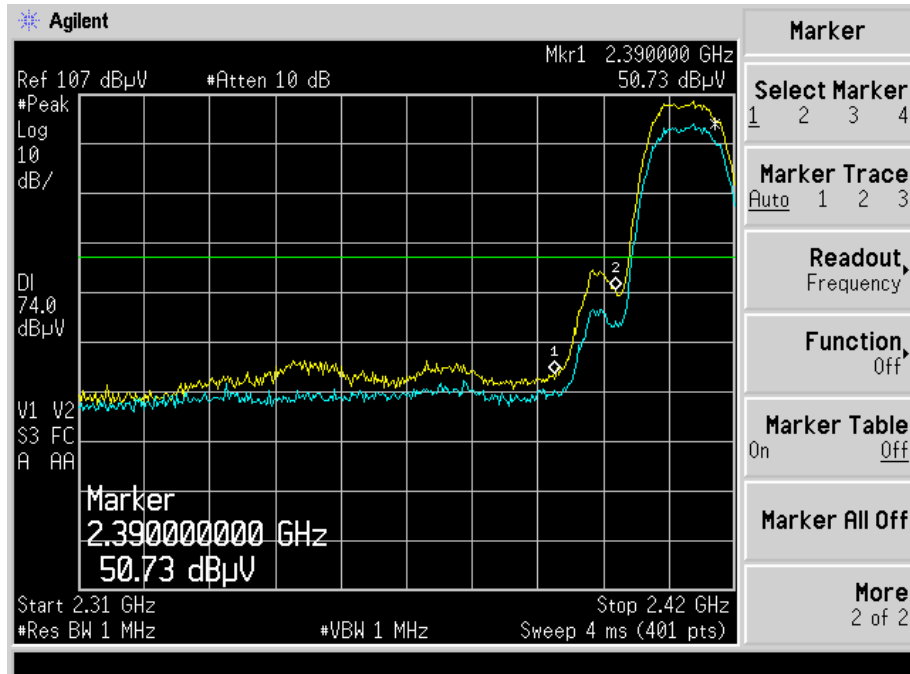
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



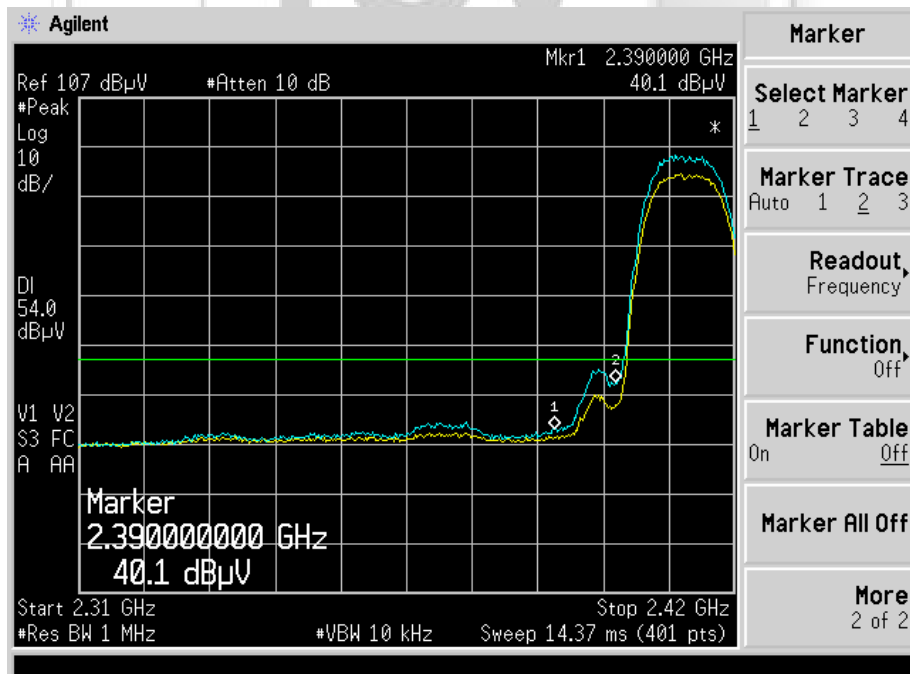
Plot 1921 – Lower Band Edge at 2.4000GHz @ CCK 11Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



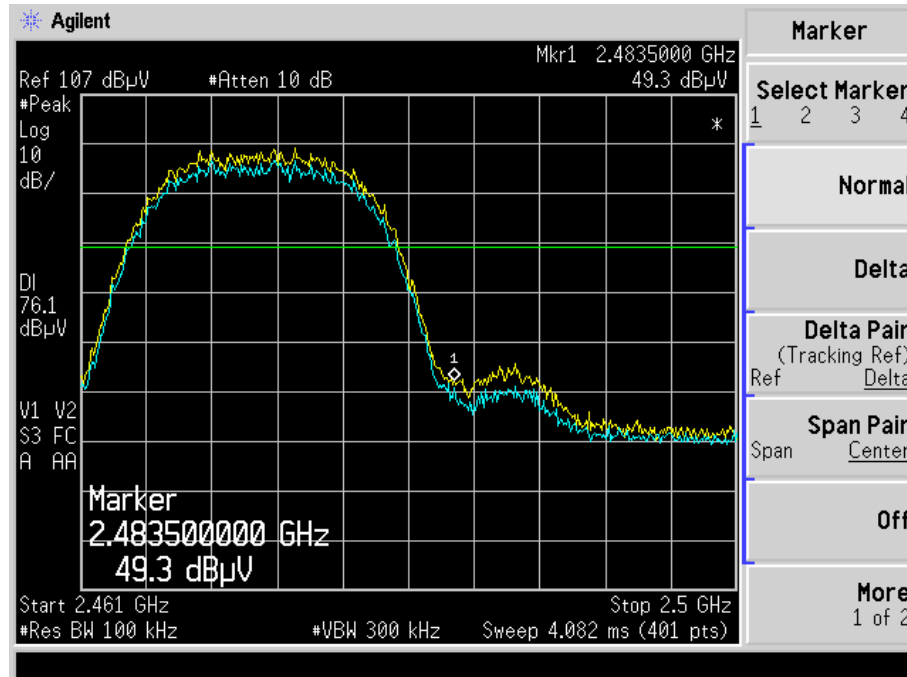
Plot 1922 – Peak Plot at Lower Band Edge at 2.4000GHz @ CCK 11Mbps (Worst)



Plot 1923 – Average Plot at Lower Band Edge at 2.4000GHz @ CCK 11Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

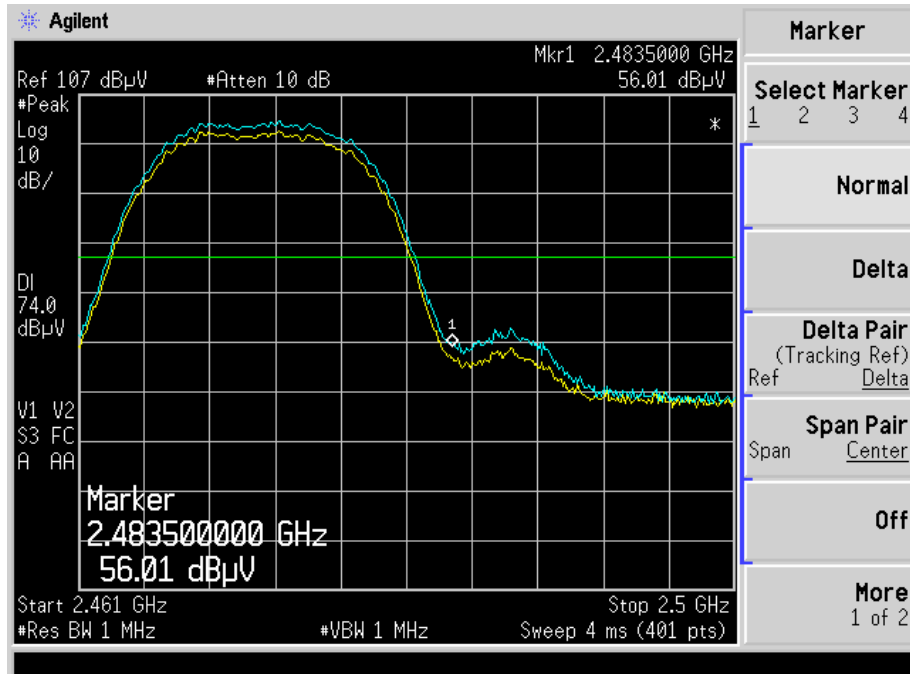
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



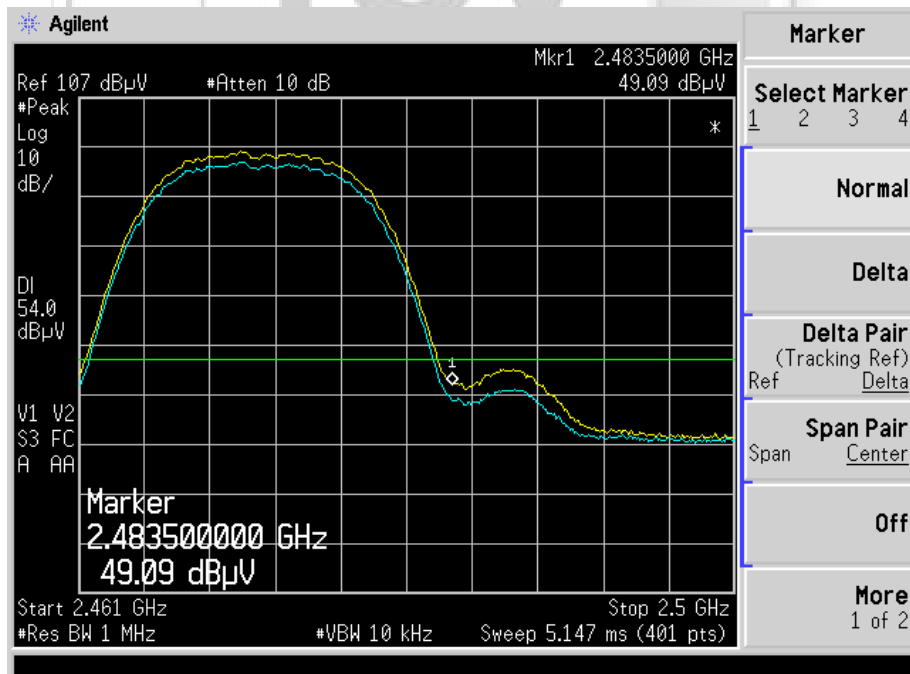
Plot 1924 – Upper Band Edge at 2.4835GHz @ CCK 11Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



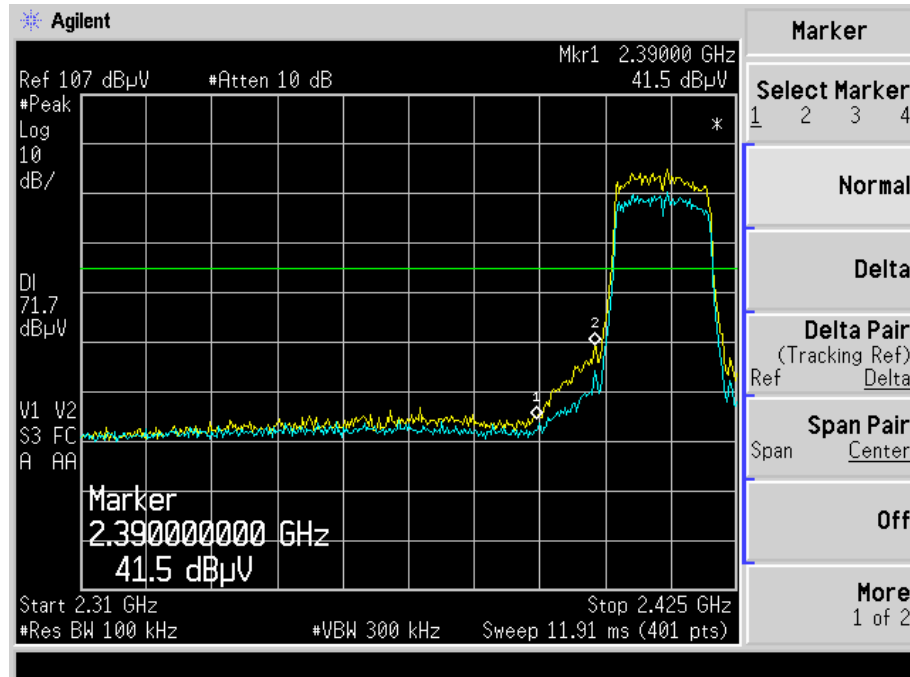
Plot 1925 – Peak Plot at Upper Band Edge at 2.4835GHz @ CCK 11Mbps (Worst)



Plot 1926 – Average Plot at Upper Band Edge at 2.4835GHz @ CCK 11Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

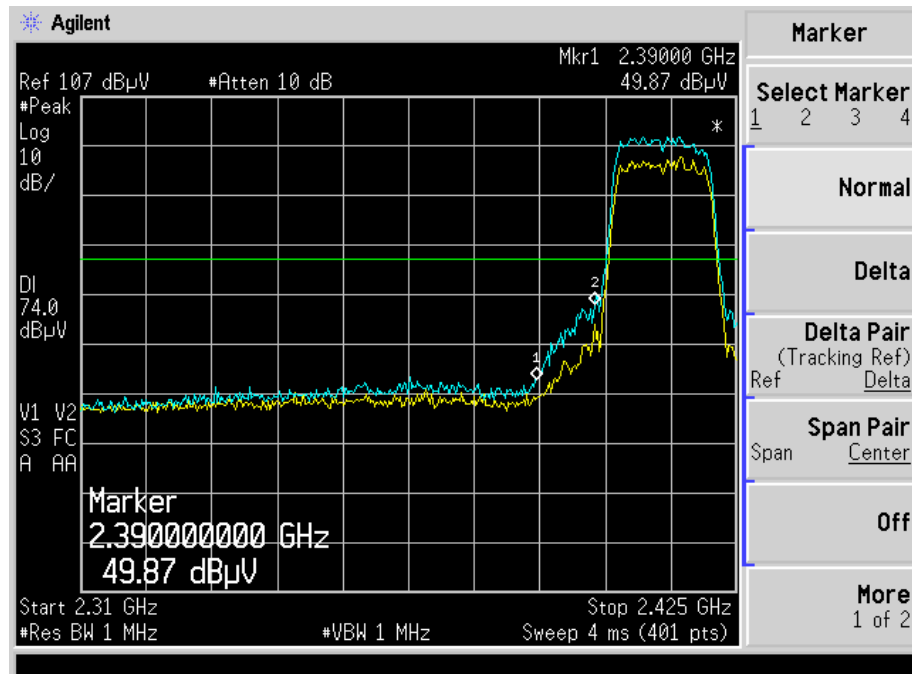
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



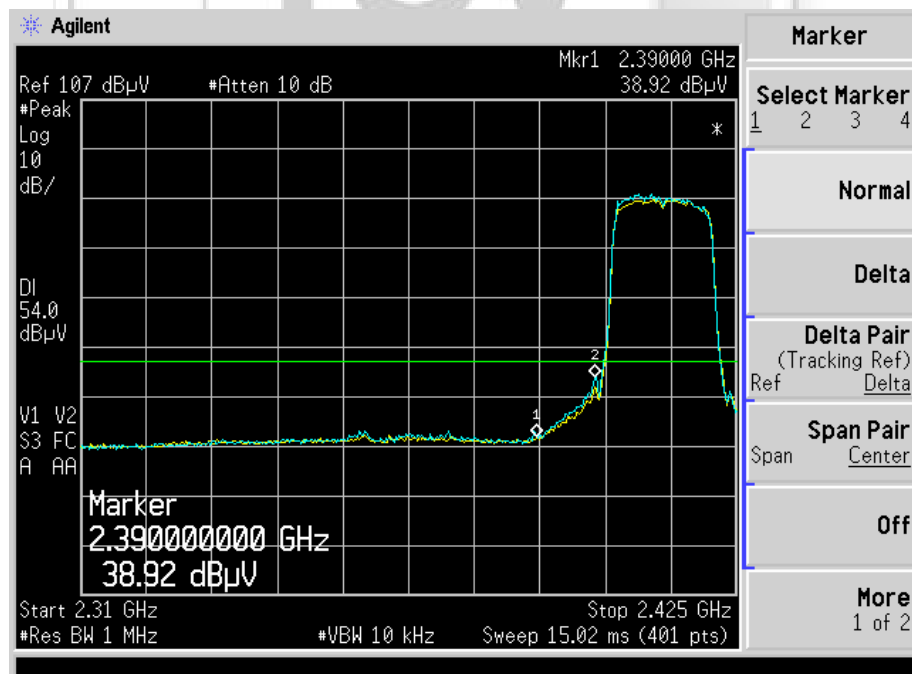
Plot 1927 – Lower Band Edge at 2.4000GHz @ 64QAM 54Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



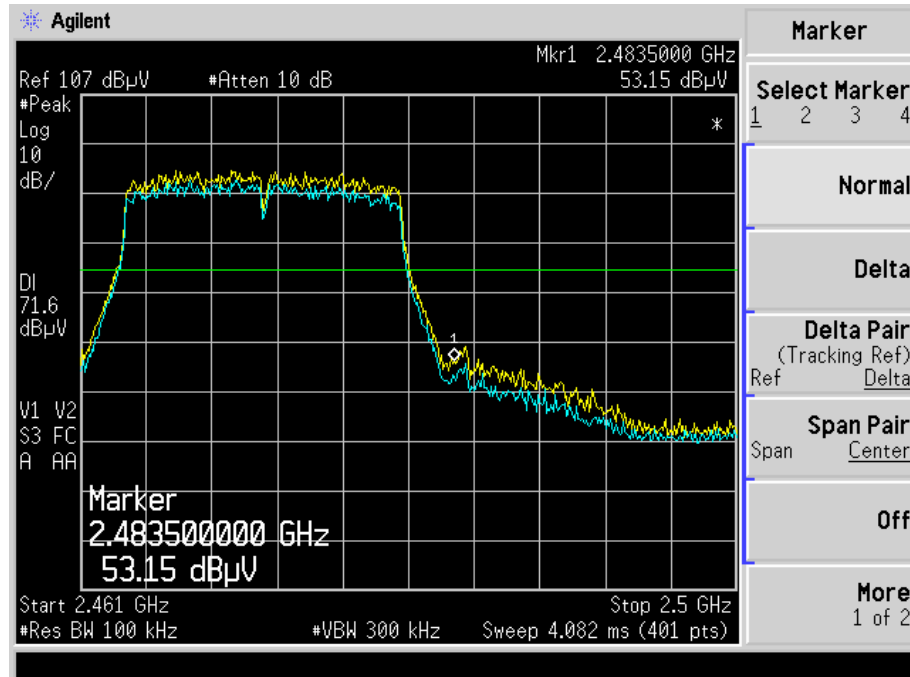
Plot 1928 – Peak Plot at Lower Band Edge at 2.4000GHz @ 64QAM 54Mbps (Worst)



Plot 1929 – Average Plot at Lower Band Edge at 2.4000GHz @ 64QAM 54Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

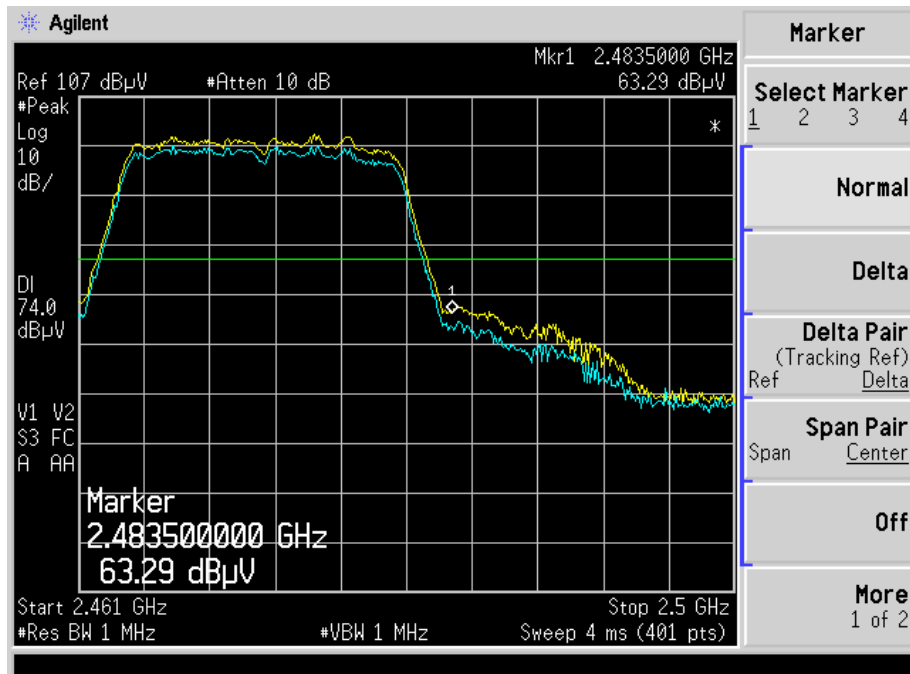
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



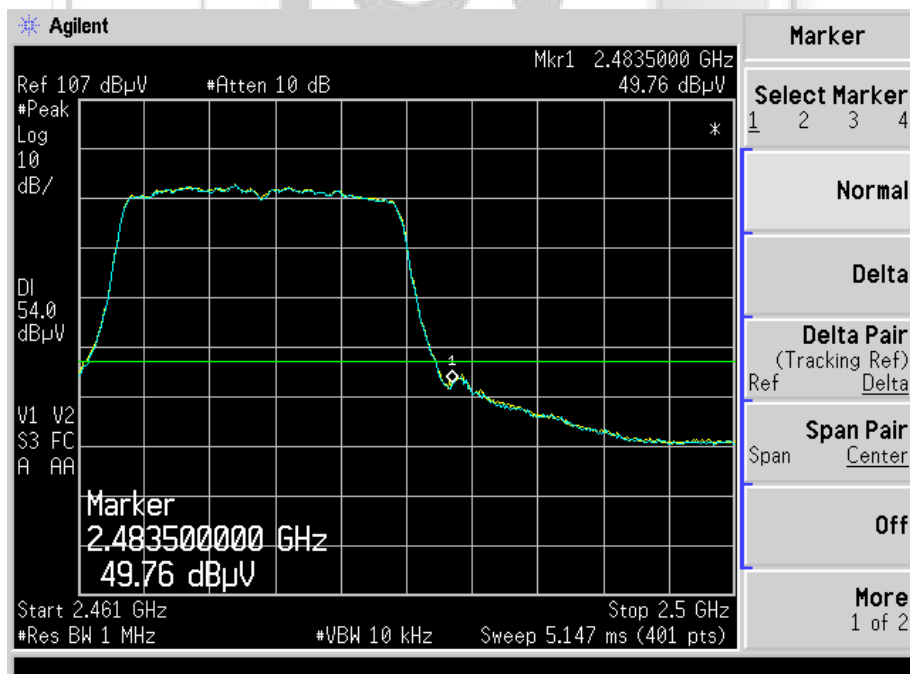
Plot 1930 – Upper Band Edge at 2.4835GHz @ 64QAM 54Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



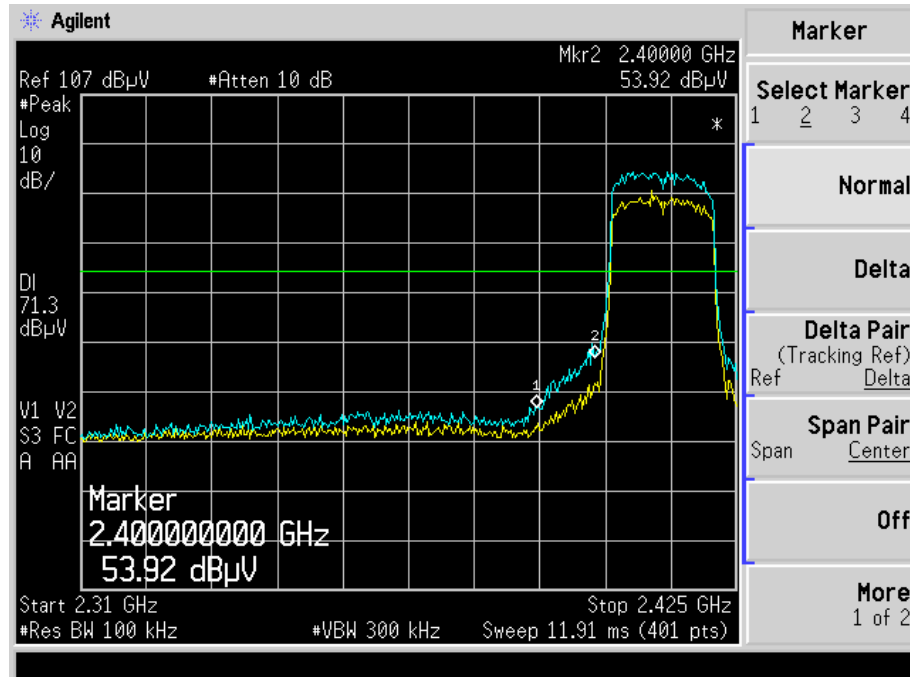
Plot 1931 – Peak Plot at Upper Band Edge at 2.4835GHz @ 64QAM 54Mbps (Worst)



Plot 1932 – Average Plot at Upper Band Edge at 2.4835GHz @ 64QAM 54Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

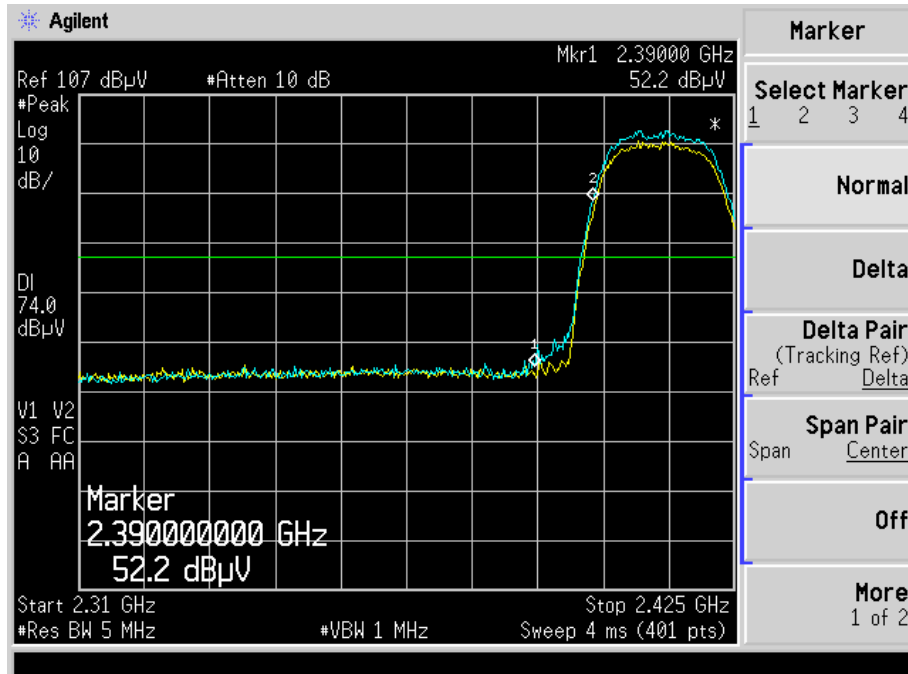
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



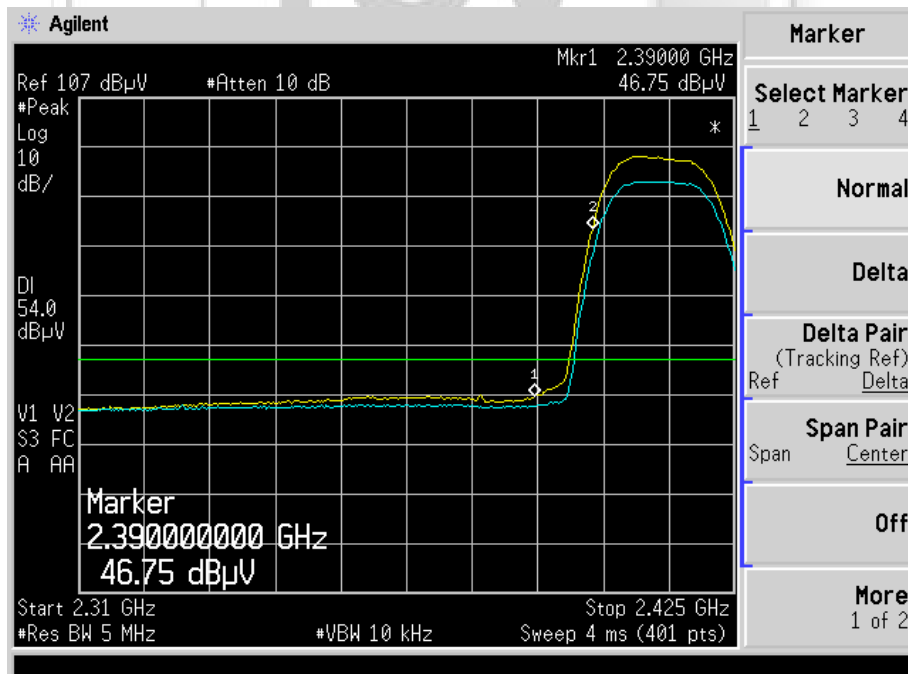
Plot 1933 – Lower Band Edge at 2.4000GHz @ 64QAM 130Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



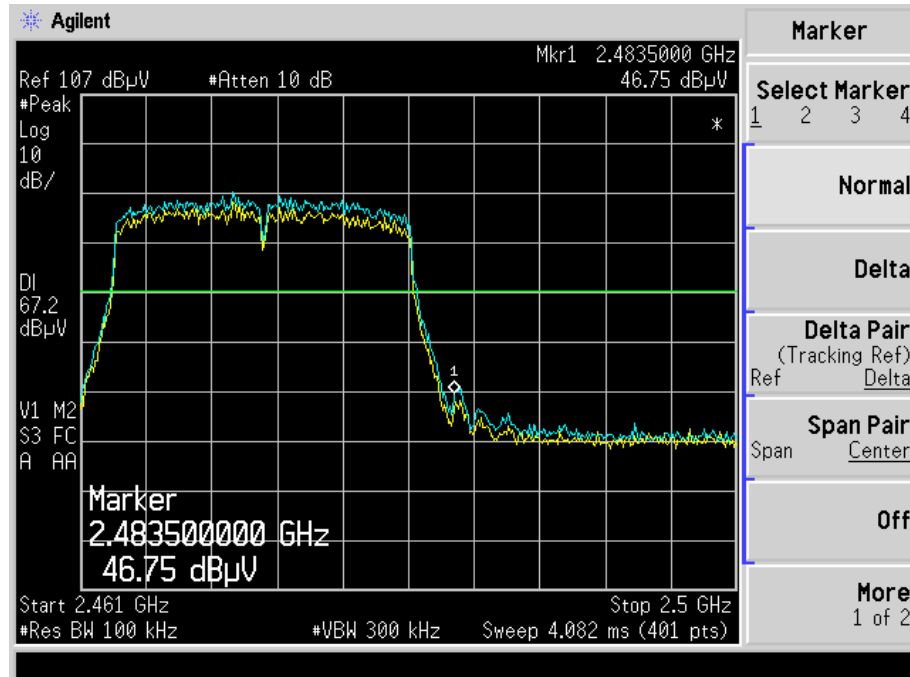
Plot 1934 – Peak Plot at Lower Band Edge at 2.4000GHz @ 64QAM 130Mbps (Worst)



Plot 1935 – Average Plot at Lower Band Edge at 2.4000GHz @ 64QAM 130Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

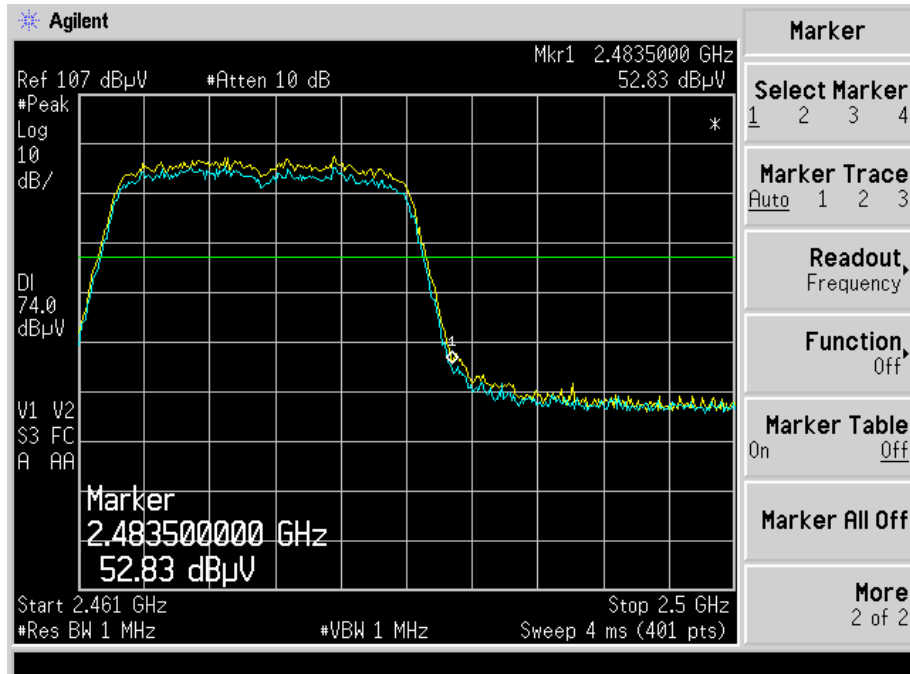
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



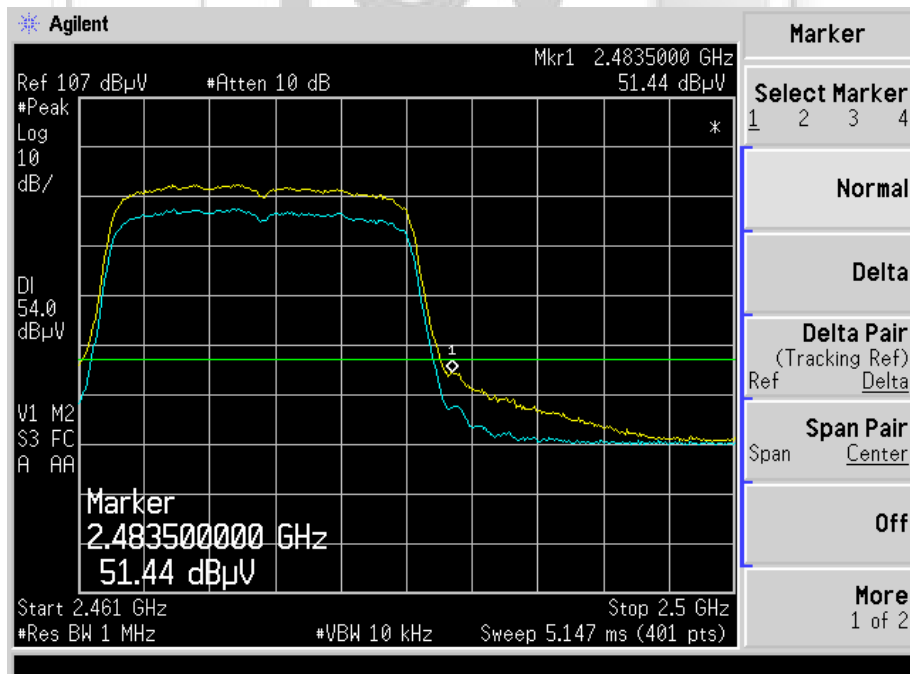
Plot 1936 – Upper Band Edge at 2.4835GHz @ 64QAM 130Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



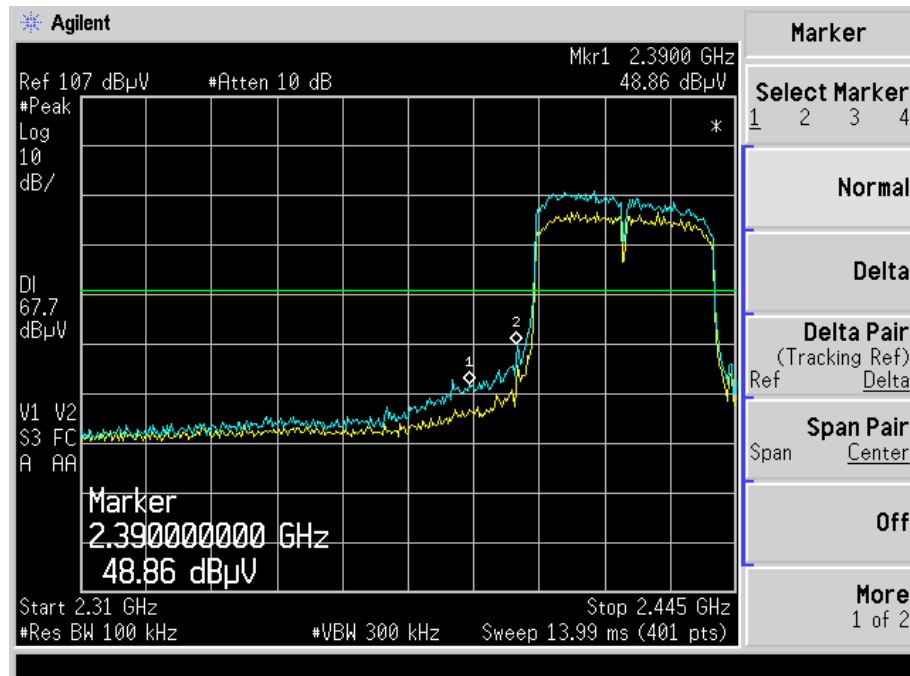
Plot 1937 – Peak Plot at Upper Band Edge at 2.4835GHz @ 64QAM 130Mbps (Worst)



Plot 1938 – Average Plot at Upper Band Edge at 2.4835GHz @ 64QAM 130Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

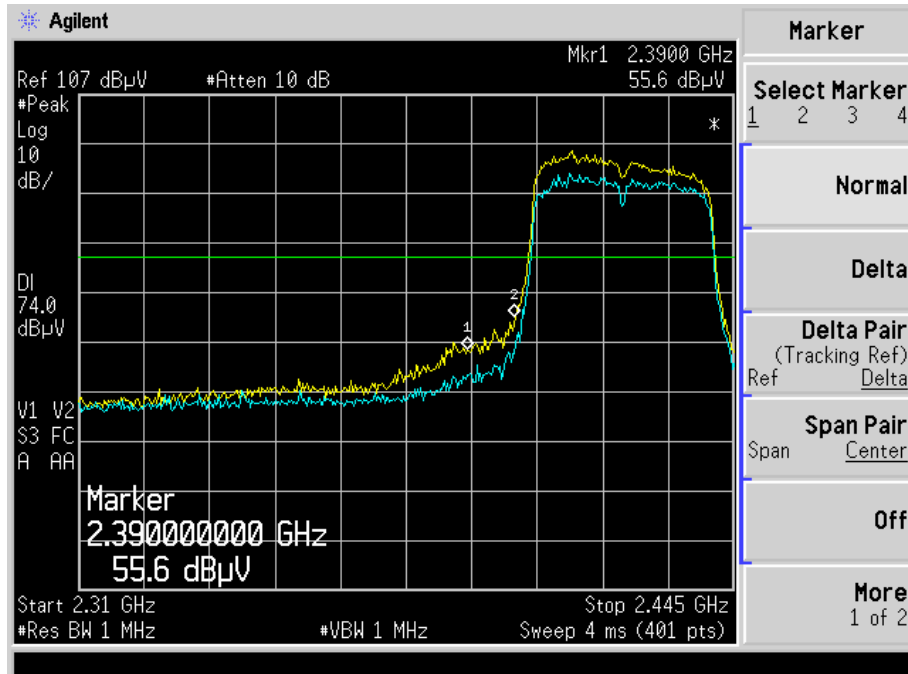
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



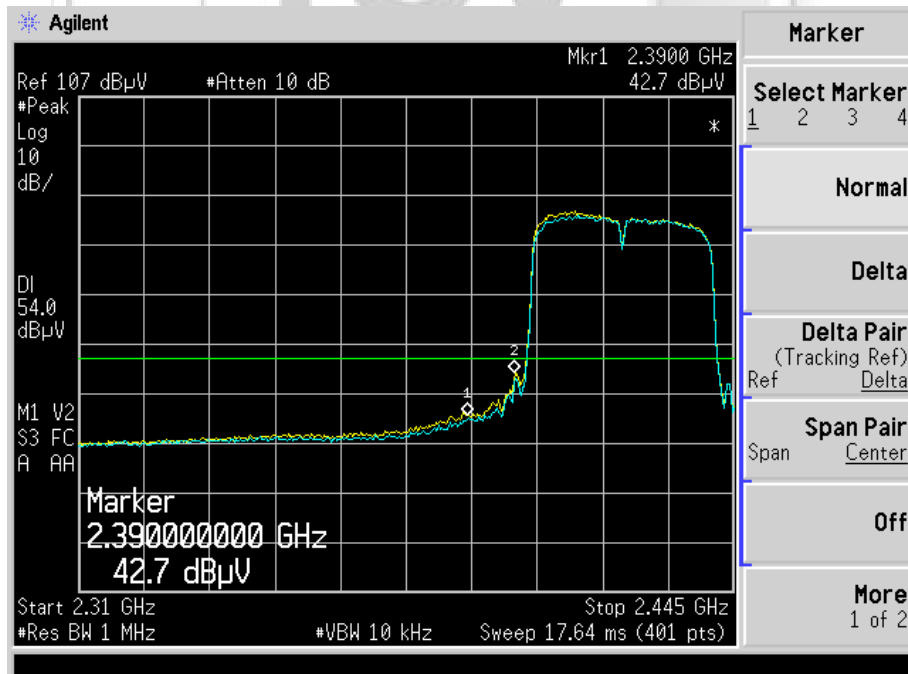
Plot 1939– Lower Band Edge at 2.4000GHz @ 64QAM 270Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



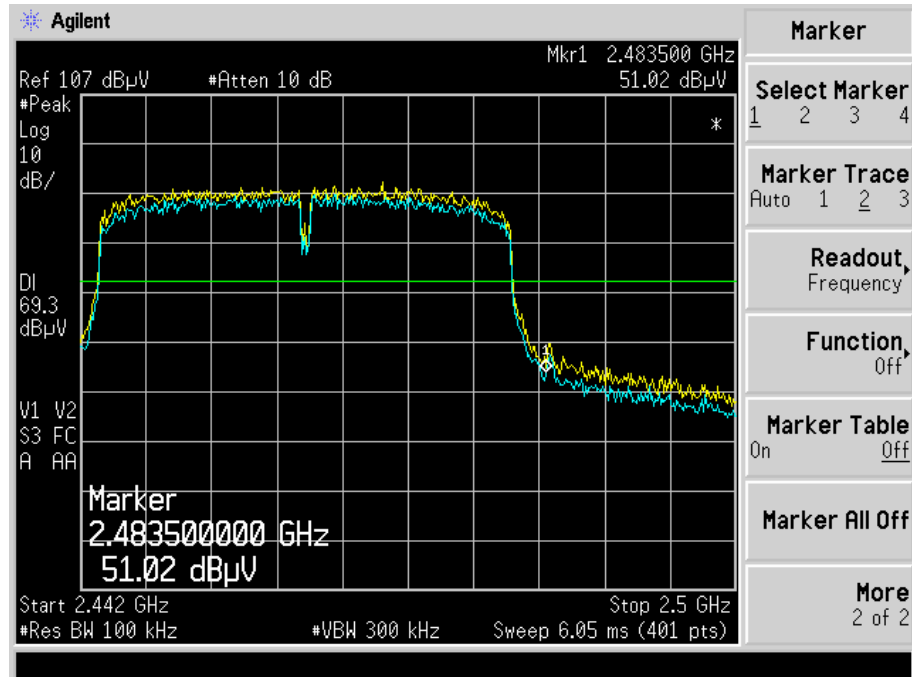
Plot 1940 – Peak Plot at Lower Band Edge at 2.4000GHz @ 64QAM 270Mbps (Worst)



Plot 1941 – Average Plot at Lower Band Edge at 2.4000GHz @ 64QAM 270Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

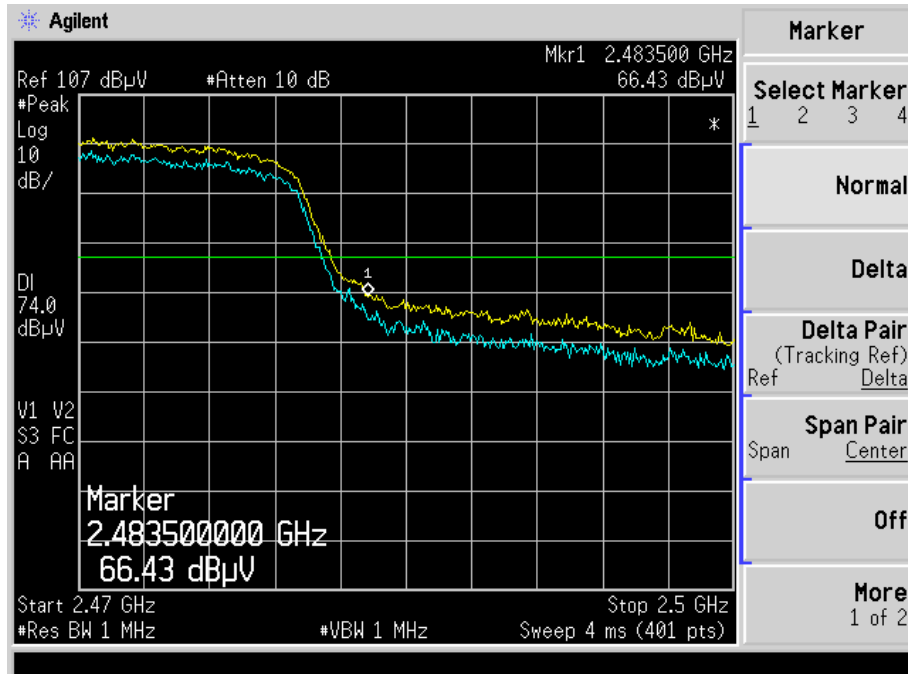
Band Edge Compliance (Radiated) Plots (20dB Delta from Carrier at Band Edge)



Plot 1942 – Upper Band Edge at 2.4835GHz @ 64QAM 270Mbps (Worst)

BAND EDGE COMPLIANCE (RADIATED) TEST

Band Edge Compliance (Radiated) Plots (Restricted Band)



Plot 1943 – Peak Plot at Upper Band Edge at 2.4835GHz @ 64QAM 270Mbps (Worst)



Plot 1944 – Average Plot at Upper Band Edge at 2.4835GHz @ 64QAM 270Mbps (Worst)

PEAK POWER SPECTRAL DENSITY TEST

47 CFR FCC Part 15.247(e) Peak Power Spectral Density Limits

The EUT shows compliance to the requirements of this section, which states the peak power spectral density conducted from the intentional radiator (EUT) to the antenna shall not be greater than 8dBm (6.3mW) in any 3kHz band during any time interval of continuous transmission.

47 CFR FCC Part 15.247(e) Peak Power Spectral Density Test Instrumentation

Instrument	Model	S/No	Cal Due Date	Cal Interval
Agilent Spectrum Analyzer	E4404A	MY45304746	14 Nov 2014	1 year
Agilent DC Power Supply	E3620A	MY40000448	Output Monitor	Output Monitor

47 CFR FCC Part 15.247(e) Peak Power Spectral Density Test Setup

1. The EUT and supporting equipment were set up as shown in the setup photo.
2. The power supply for the EUT was connected to a filtered mains.
3. The RF antenna connector was connected to the spectrum via a low-loss coaxial cable.
4. The resolution bandwidth (RBW), video bandwidth (VBW) and span of the spectrum analyser were set to the following:
RBW = 3kHz
VBW = 9kHz
Span = 1.5 times the channel bandwidth
Sweep time = auto couple
5. All other supporting equipment were powered separately from another filtered mains.

47 CFR FCC Part 15.247(e) Peak Power Spectral Density Test Method

1. The EUT was switched on and allowed to warm up to its normal operating condition. The EUT was then configured to operate in the test mode at lower channel with specified modulation and data rate.
2. The peak of the transmitting frequency was detected with the marker peak function of the spectrum analyser.
3. The peak power density of the transmitting frequency was plotted and recorded.
4. Repeat steps 1 to 3 with all possible modulations and data rates.
5. The steps 2 to 4 were repeated with the transmitting frequency was set to middle and upper channel respectively.

PEAK POWER SPECTRAL DENSITY TEST

47 CFR FCC Part 15.247(e) Peak Power Spectral Density Results

Test Input Power	12Vdc	Temperature	22°C
Attached Plots	1945 – 1953	Relative Humidity	54%
	802.11b	Atmospheric Pressure	1030mbar
		Tested By	Kyaw Soe Hein

Channel	Channel Frequency (GHz)	Peak Power Spectral Density (mW)	Limit (mW)	Modulation @ Data Rate
1 (lower ch)	2.412	0.0556	6.3	DBPSK @ 1Mbps
		0.2425	6.3	DQPSK @ 2Mbps
		0.2075	6.3	CCK @ 11Mbps
6 (mid ch)	2.437	0.0453	6.3	DBPSK @ 1Mbps
		0.1936	6.3	DQPSK @ 2Mbps
		0.1793	6.3	CCK @ 11Mbps
11 (upper ch)	2.462	0.0393	6.3	DBPSK @ 1Mbps
		0.2023	6.3	DQPSK @ 2Mbps
		0.1457	6.3	CCK @ 11Mbps

Test Input Power	12Vdc	Temperature	22°C
Attached Plots	1954 – 1965	Relative Humidity	54%
	802.11g	Atmospheric Pressure	1030mbar
		Tested By	Kyaw Soe Hein

Channel	Channel Frequency (GHz)	Peak Power Spectral Density (mW)	Limit (mW)	Modulation @ Data Rate
1 (lower ch)	2.412	0.0486	6.3	BPSK @ 9Mbps
		0.0588	6.3	QPSK @ 18Mbps
		0.0906	6.3	16QAM @ 36Mbps
		0.0730	6.3	64QAM @ 54Mbps
6 (mid ch)	2.437	0.0566	6.3	BPSK @ 9Mbps
		0.0566	6.3	QPSK @ 18Mbps
		0.0838	6.3	16QAM @ 36Mbps
		0.0720	6.3	64QAM @ 54Mbps
11 (upper ch)	2.462	0.0334	6.3	BPSK @ 9Mbps
		0.0404	6.3	QPSK @ 18Mbps
		0.0590	6.3	16QAM @ 36Mbps
		0.0492	6.3	64QAM @ 54Mbps

PEAK POWER SPECTRAL DENSITY TEST

47 CFR FCC Part 15.247(e) Peak Power Spectral Density Results

Test Input Power	12Vdc	Temperature	22°C
Attached Plots	1966 – 1977	Relative Humidity	54%
	802.11n (20MHz)	Atmospheric Pressure	1030mbar
		Tested By	Kyaw Soe Hein

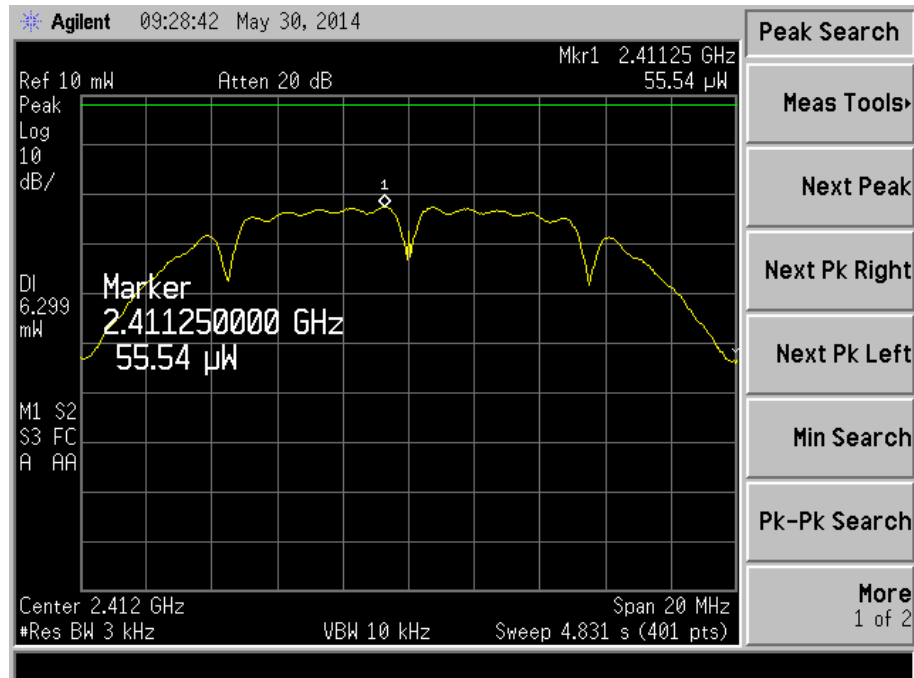
Channel	Channel Frequency (GHz)	Peak Power Spectral Density (mW)	Limit (mW)	Modulation @ Data Rate
1 (lower ch)	2.412	0.0508	6.3	MCS8 @ 13Mbps
		0.0619	6.3	MCS10 @ 39Mbps
		0.0651	6.3	MCS12 @ 78Mbps
		0.0716	6.3	MCS15 @ 130Mbps
6 (mid ch)	2.437	0.0456	6.3	MCS8 @ 13Mbps
		0.0541	6.3	MCS10 @ 39Mbps
		0.0516	6.3	MCS12 @ 78Mbps
		0.0634	6.3	MCS15 @ 130Mbps
11 (upper ch)	2.462	0.0450	6.3	MCS8 @ 13Mbps
		0.0456	6.3	MCS10 @ 39Mbps
		0.0426	6.3	MCS12 @ 78Mbps
		0.0484	6.3	MCS15 @ 130Mbps

Test Input Power	12Vdc	Temperature	22°C
Attached Plots	1978 - 1989	Relative Humidity	54%
	802.11n (40MHz)	Atmospheric Pressure	1030mbar
		Tested By	Kyaw Soe Hein

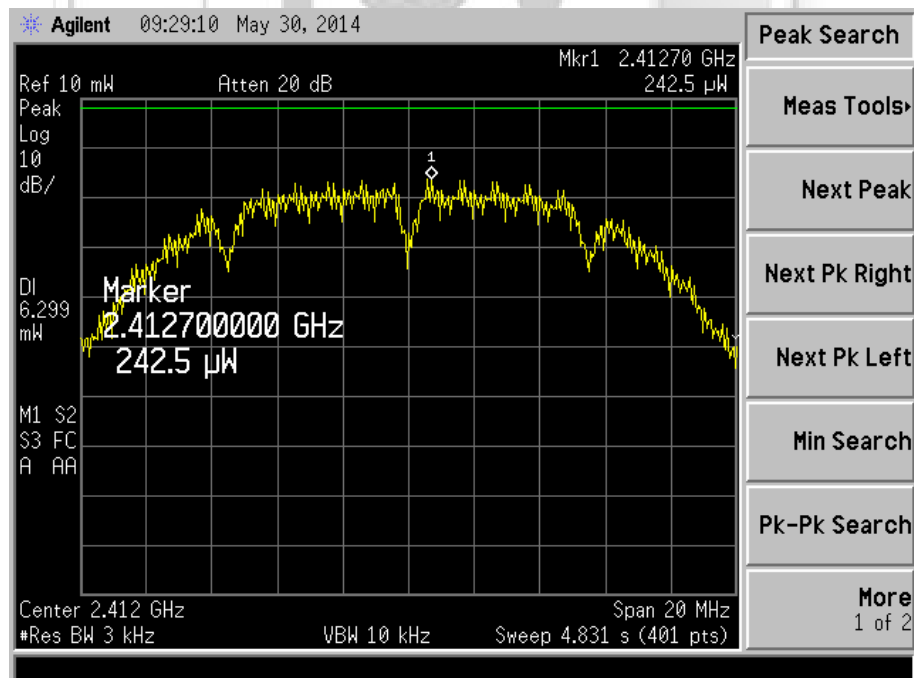
Channel	Channel Frequency (GHz)	Peak Power Spectral Density (mW)	Limit (mW)	Modulation @ Data Rate
3 (lower ch)	2.422	0.0307	6.3	MCS8 @ 13Mbps
		0.0396	6.3	MCS10 @ 39Mbps
		0.0351	6.3	MCS12 @ 78Mbps
		0.0356	6.3	MCS15 @ 130Mbps
7 (mid ch)	2.442	0.0380	6.3	MCS8 @ 13Mbps
		0.0381	6.3	MCS10 @ 39Mbps
		0.0305	6.3	MCS12 @ 78Mbps
		0.0321	6.3	MCS15 @ 130Mbps
11 (upper ch)	2.462	0.0296	6.3	MCS8 @ 13Mbps
		0.0295	6.3	MCS10 @ 39Mbps
		0.0281	6.3	MCS12 @ 78Mbps
		0.0297	6.3	MCS15 @ 130Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11b



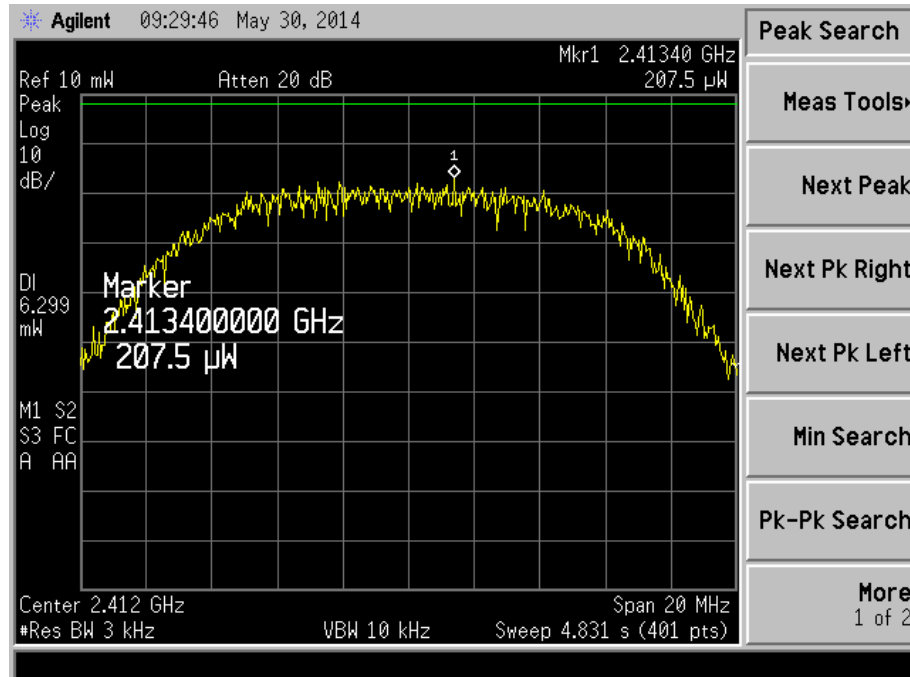
Plot 1945 – Channel 1 (lower ch) @ DBPSK 1Mbps



Plot 1946 – Channel 1 (lower ch) @ DQPSK 2Mbps

PEAK POWER SPECTRAL DENSITY TEST

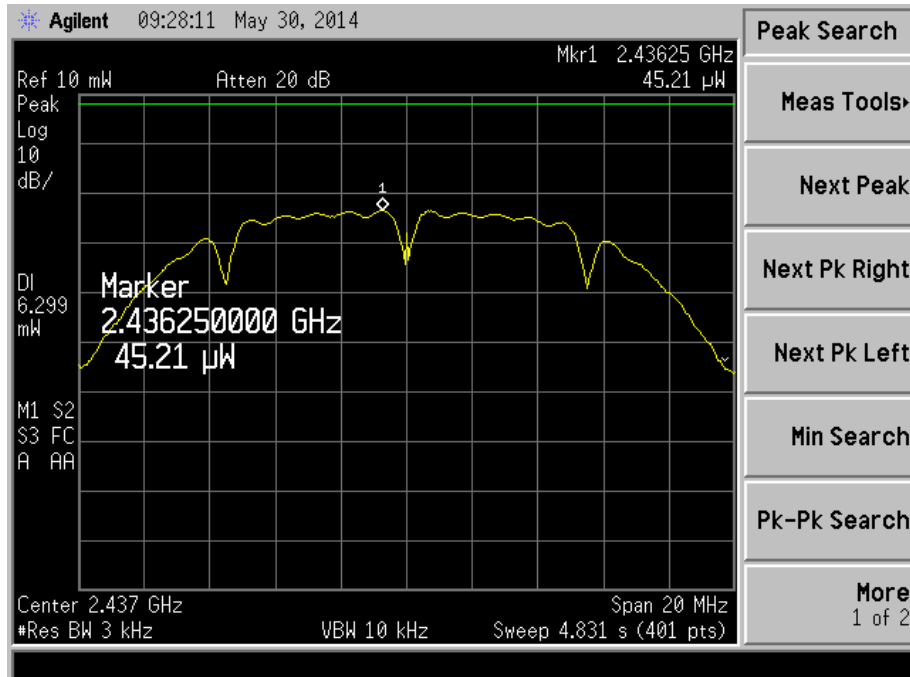
Peak Power Spectral Density Plots – 802.11b



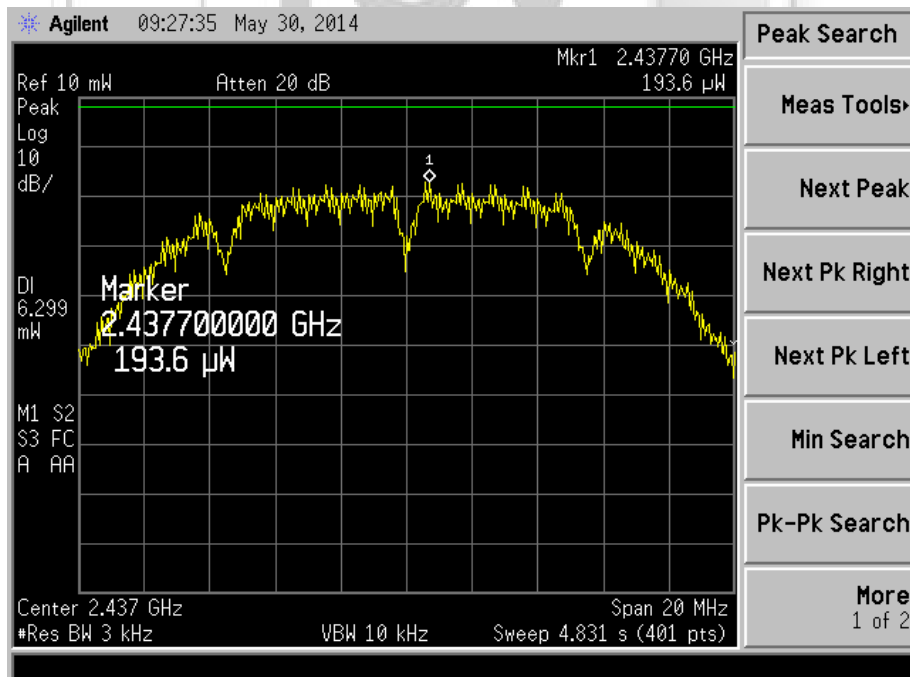
Plot 1947 – Channel 1 (lower ch) @ CCK 11Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11b



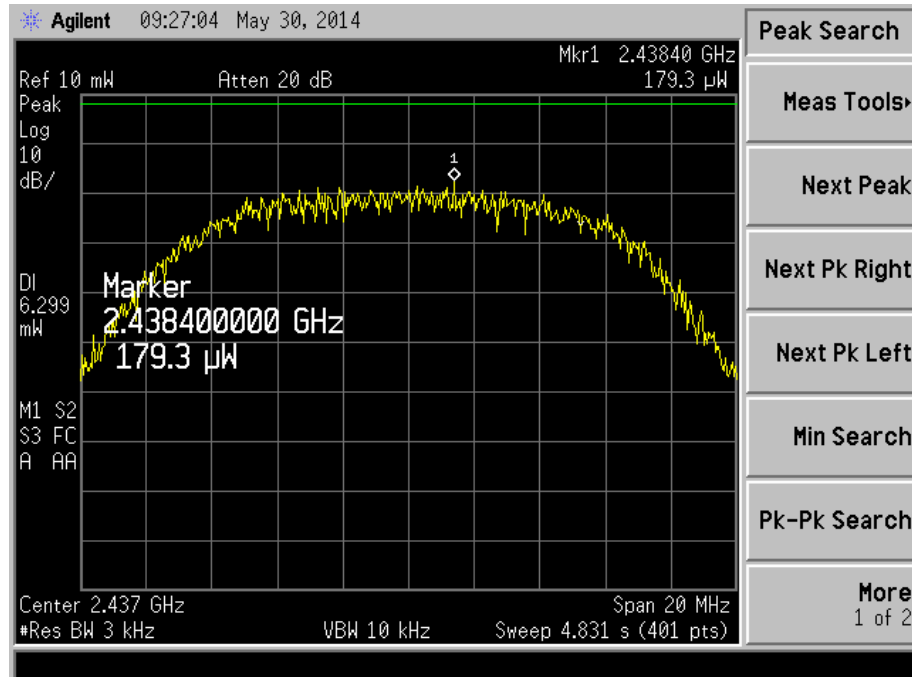
Plot 1948 – Channel 6 (middle ch) @ DBPSK 1Mbps



Plot 1949 – Channel 6 (middle ch) @ DQPSK 2Mbps

PEAK POWER SPECTRAL DENSITY TEST

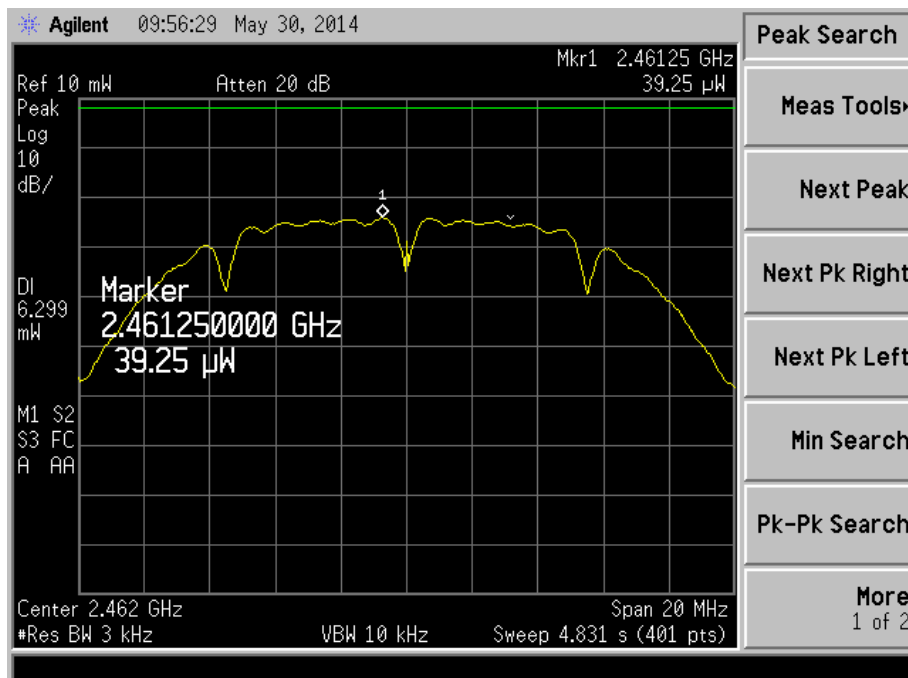
Peak Power Spectral Density Plots – 802.11b



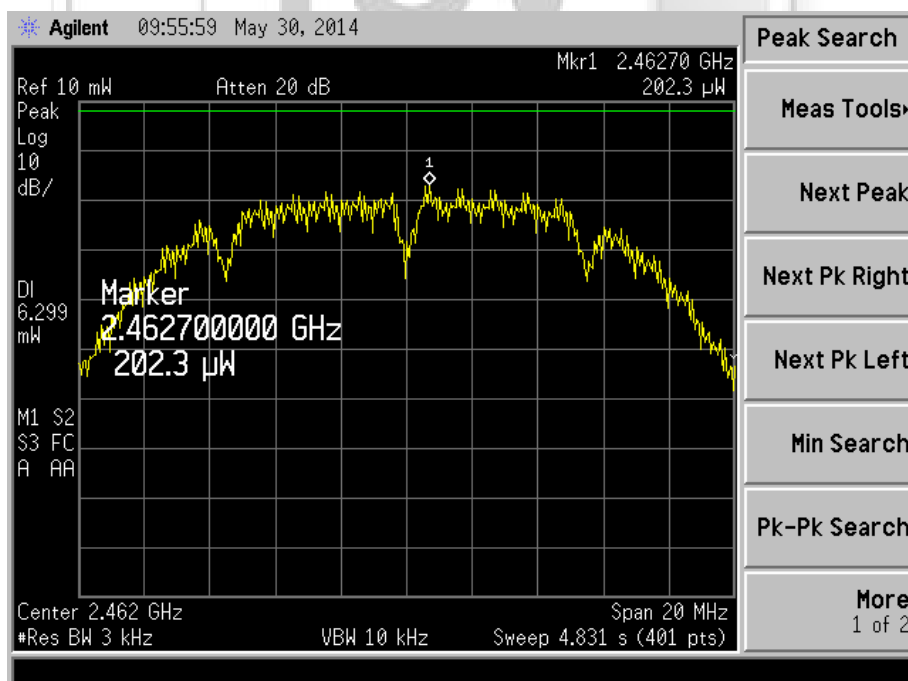
Plot 1950 – Channel 6 (middle ch) @ CCK 11Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11b



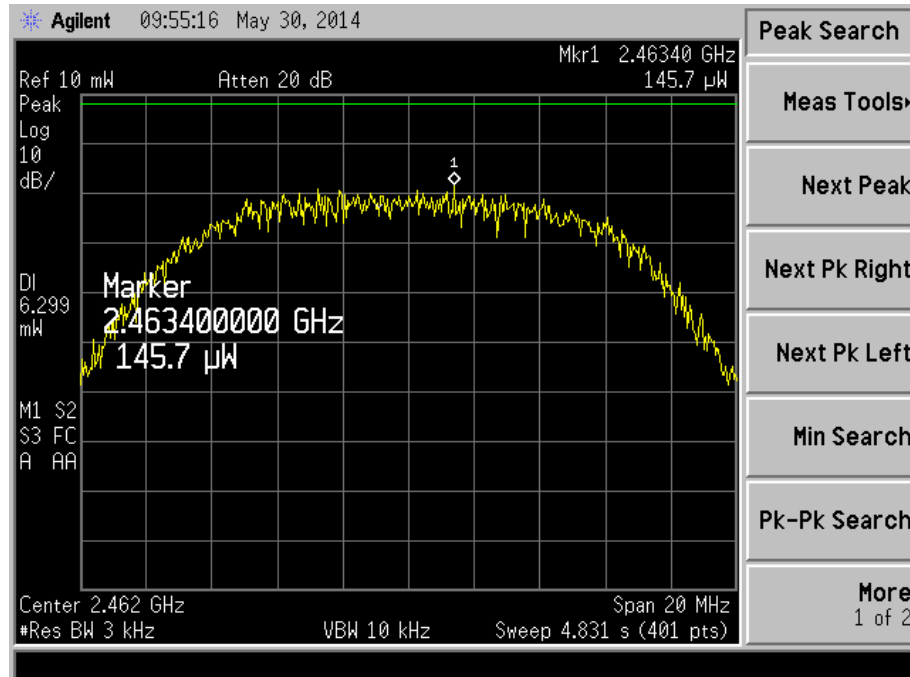
Plot 1951 – Channel 11 (upper ch) @ DBPSK 1Mbps



Plot 1952 – Channel 11 (upper ch) @ DQPSK 2Mbps

PEAK POWER SPECTRAL DENSITY TEST

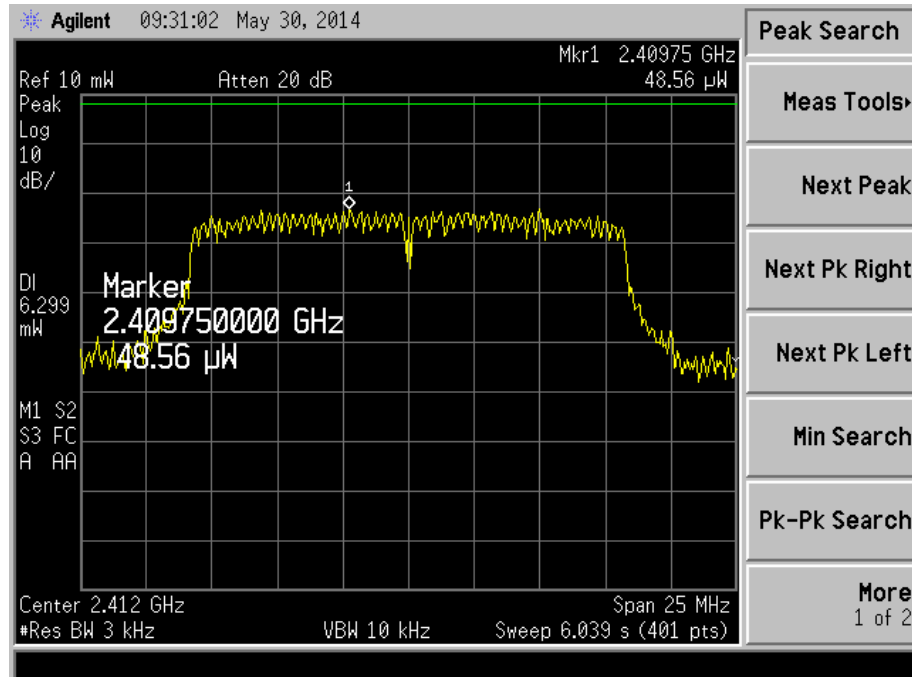
Peak Power Spectral Density Plots – 802.11b



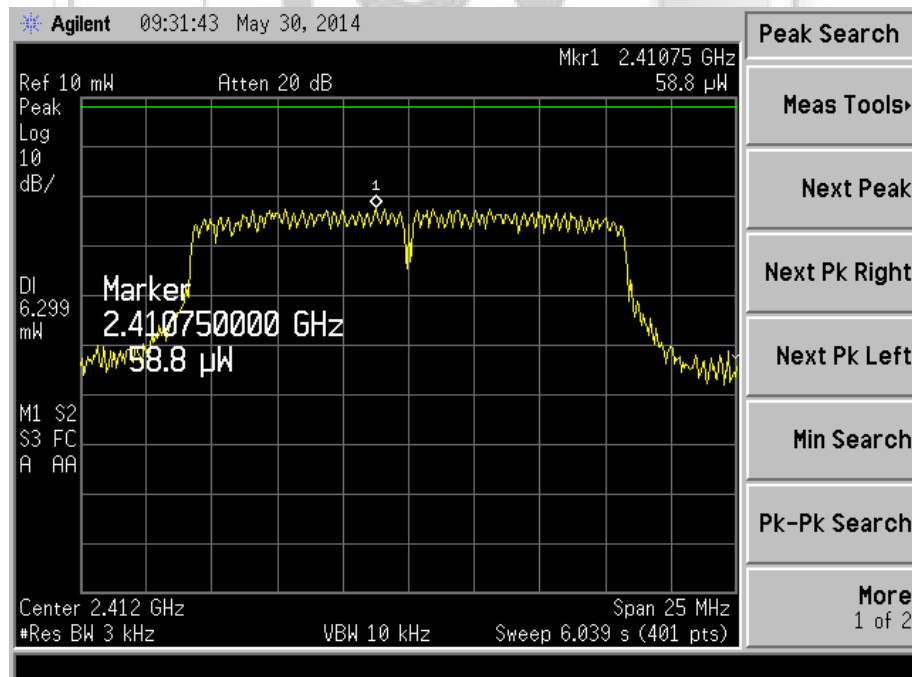
Plot 1953 – Channel 11 (upper ch) @ CCK 11Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11g



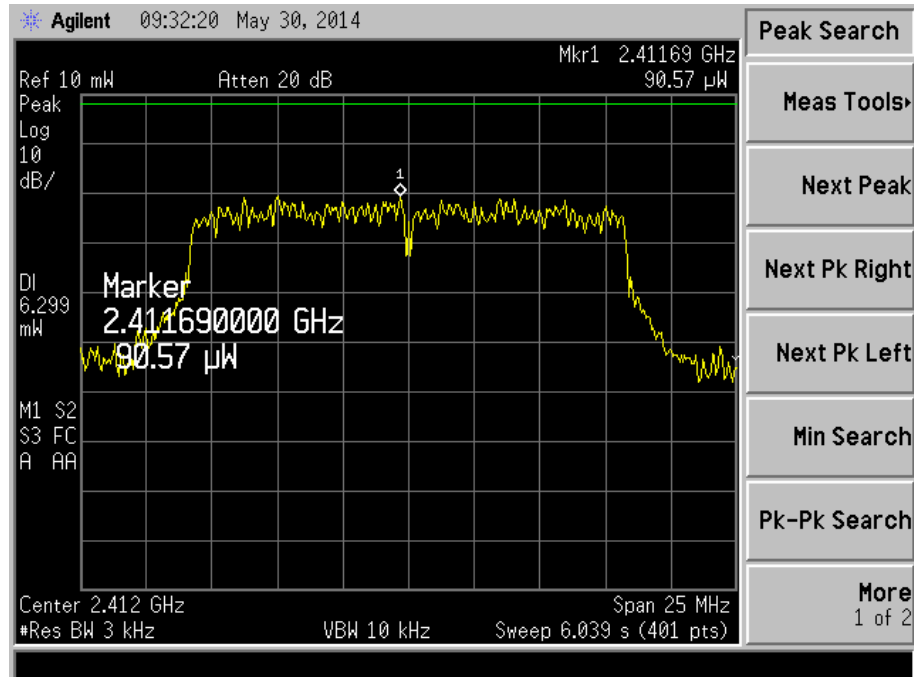
Plot 1954 – Channel 1 (lower ch) @ BPSK 9Mbps



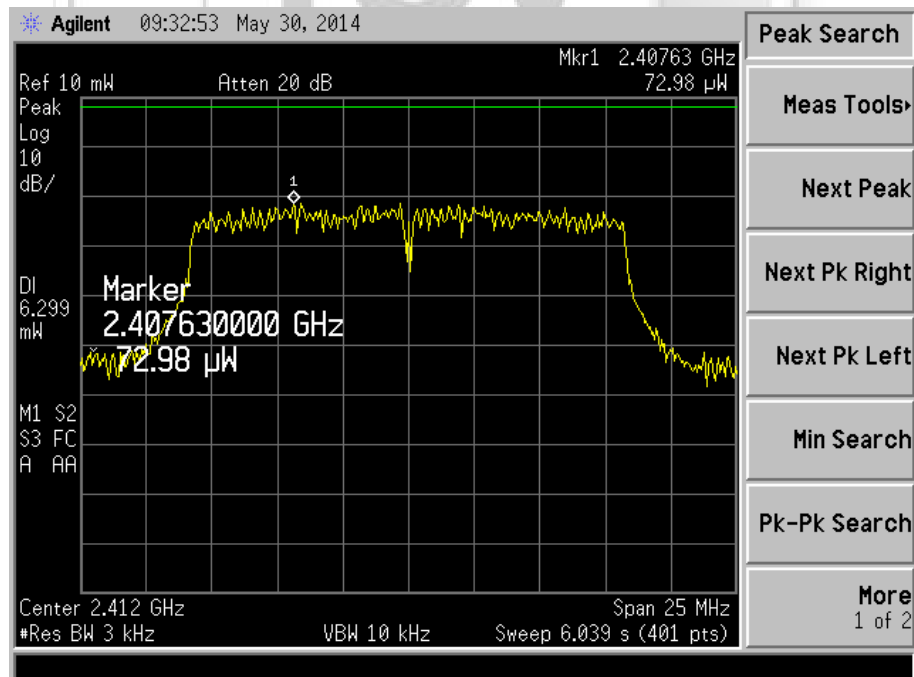
Plot 1955 – Channel 1 (lower ch) @ QPSK 18Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11g



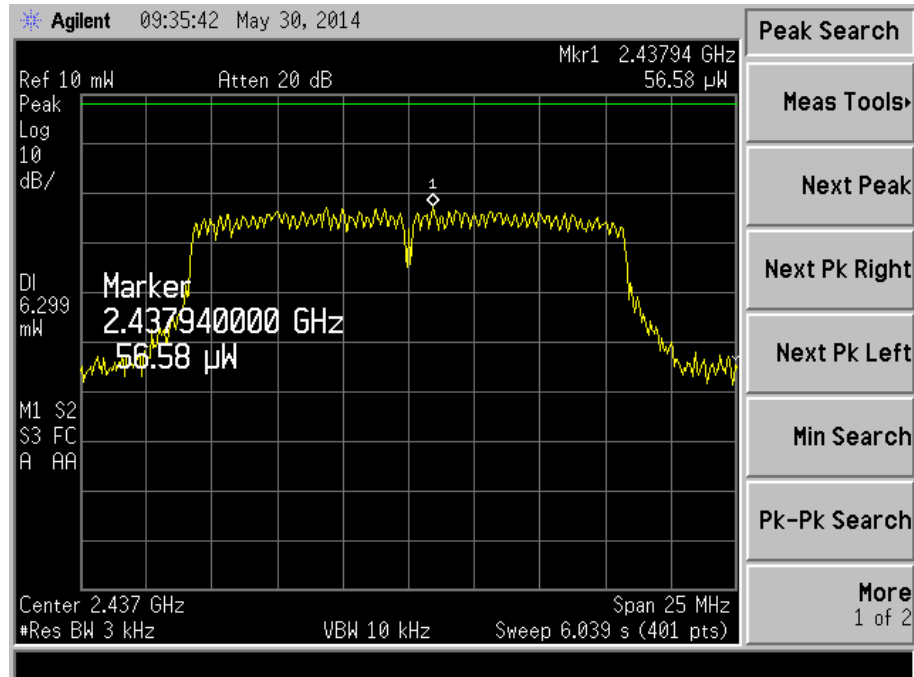
Plot 1956 – Channel 1 (lower ch) @ 16QAM 36Mbps



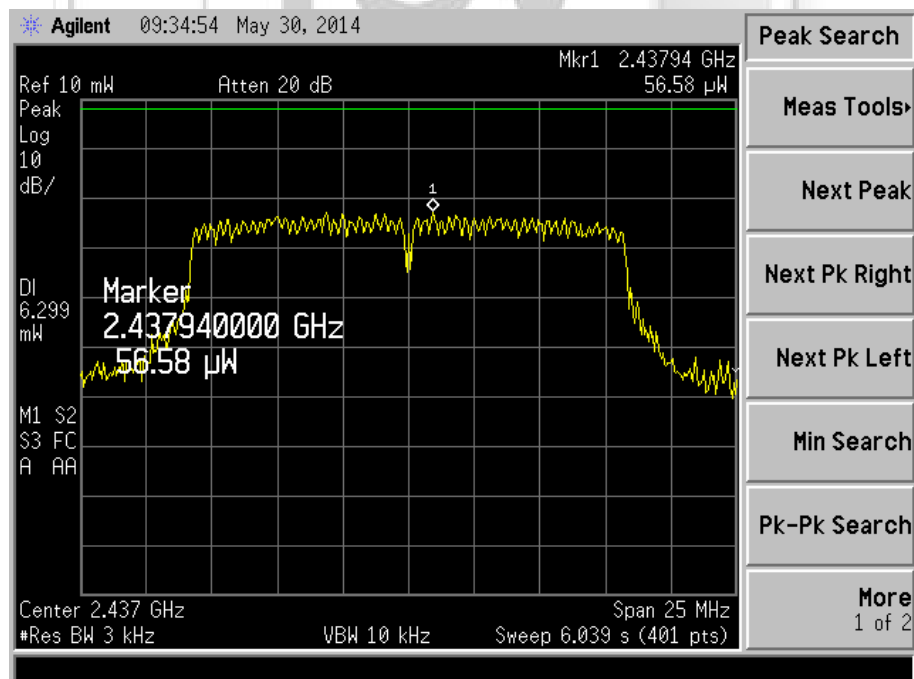
Plot 1957 – Channel 1 (lower ch) @ 64QAM 54Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11g



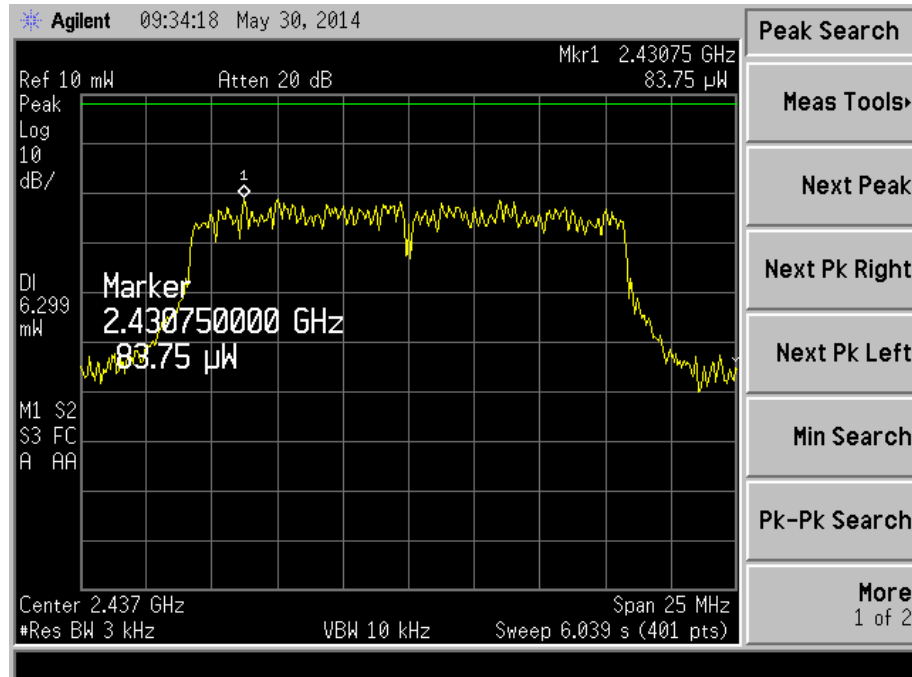
Plot 1958 – Channel 6 (middle ch) @ BPSK 9Mbps



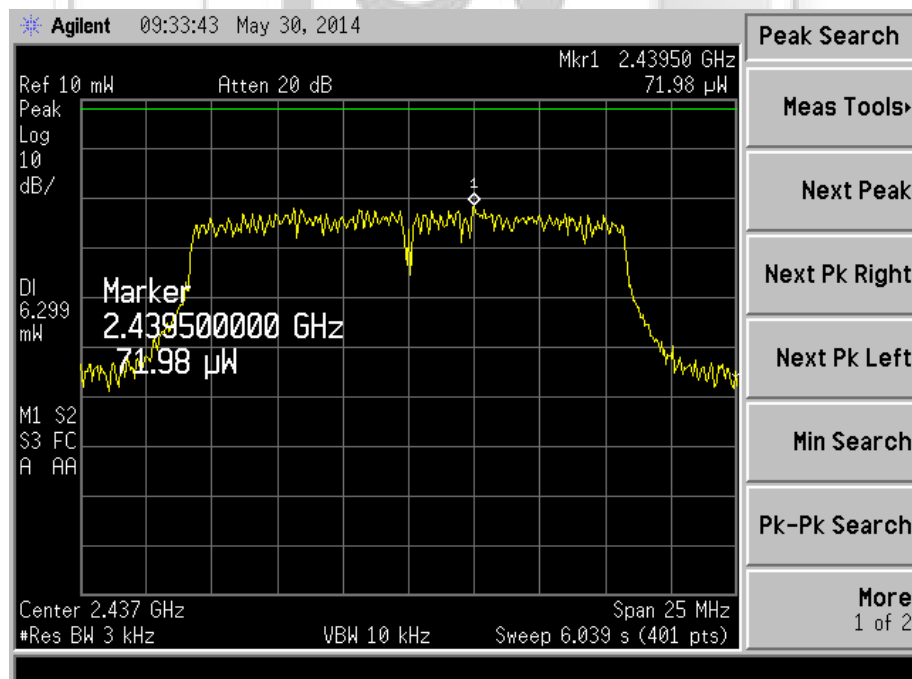
Plot 1959 – Channel 6 (middle ch) @ QPSK 18Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11g



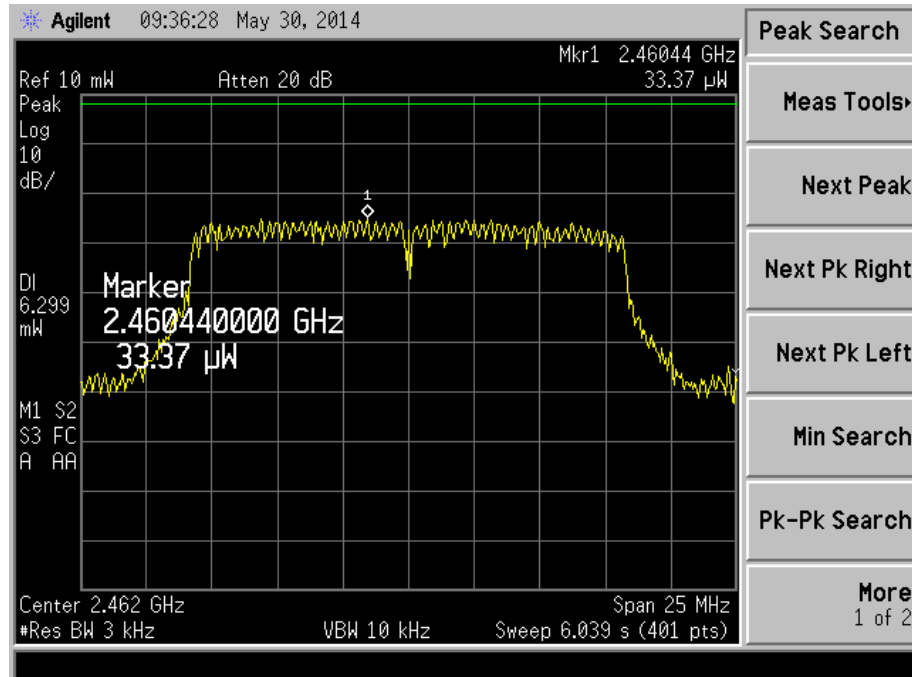
Plot 1960 – Channel 6 (middle ch) @ 16QAM 36Mbps



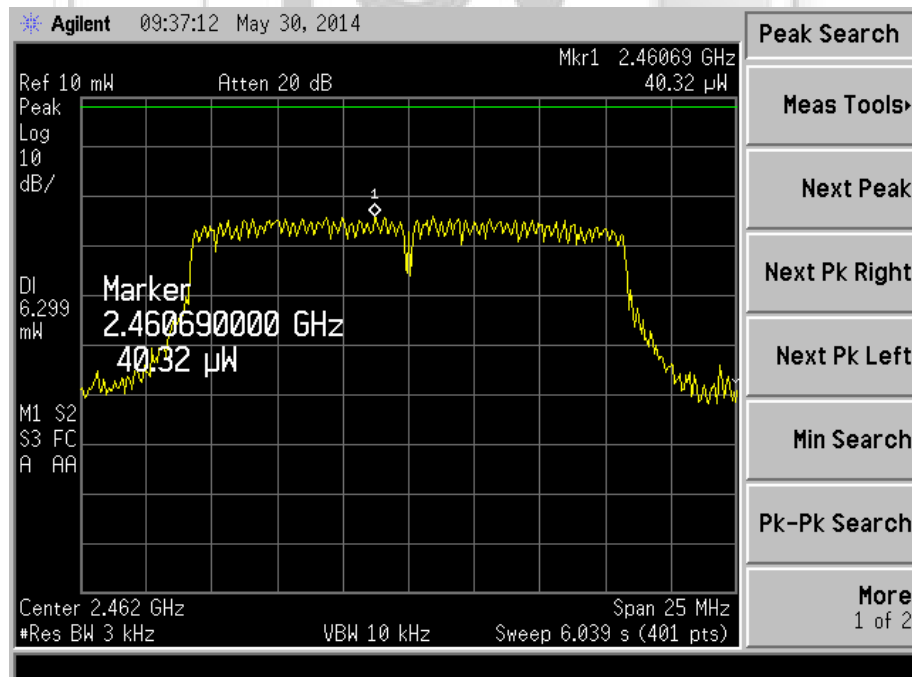
Plot 1961 – Channel 6 (middle ch) @ 64QAM 54Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11g



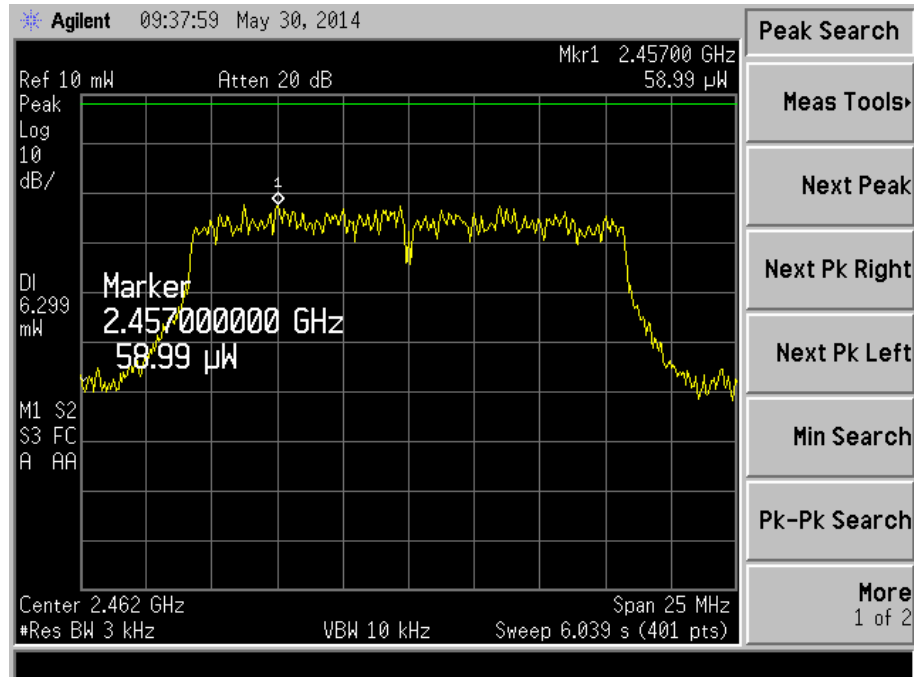
Plot 1962 – Channel 11 (upper ch) @ BPSK 9Mbps



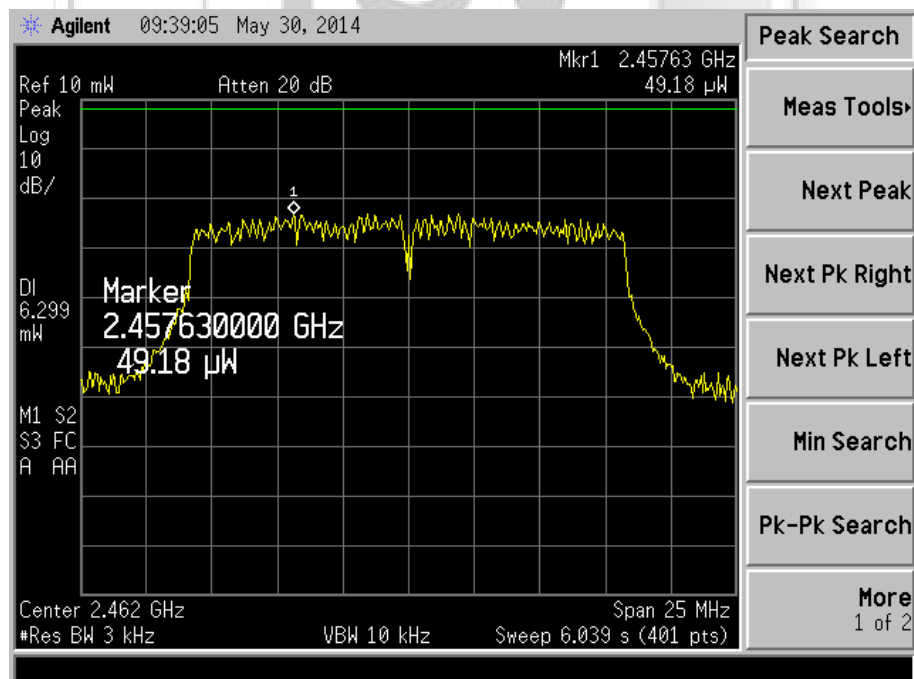
Plot 1963 – Channel 11 (upper ch) @ QPSK 18Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11g



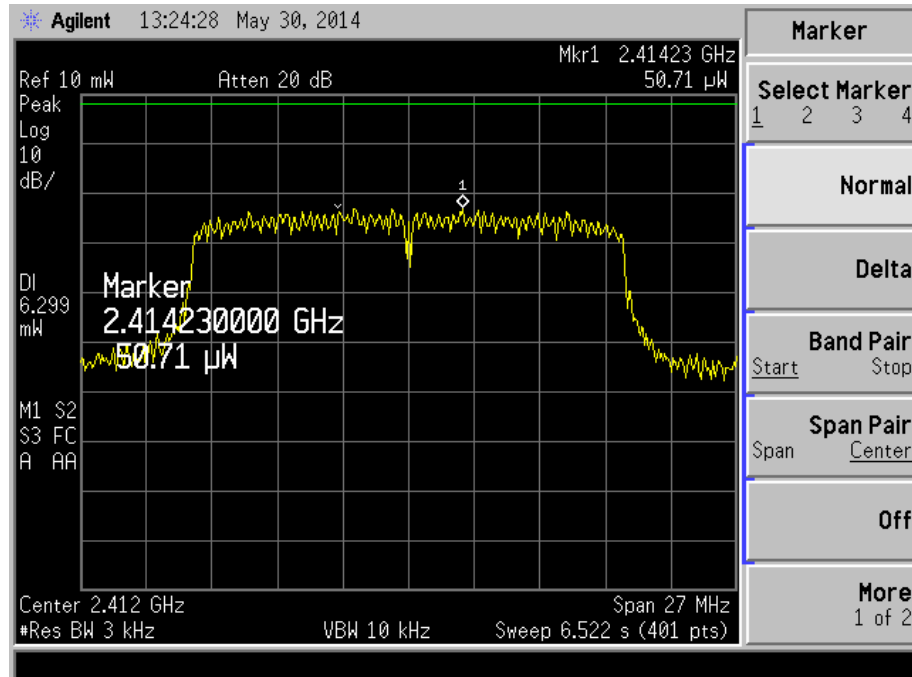
Plot 1964 – Channel 11 (upper ch) @ 16QAM 36Mbps



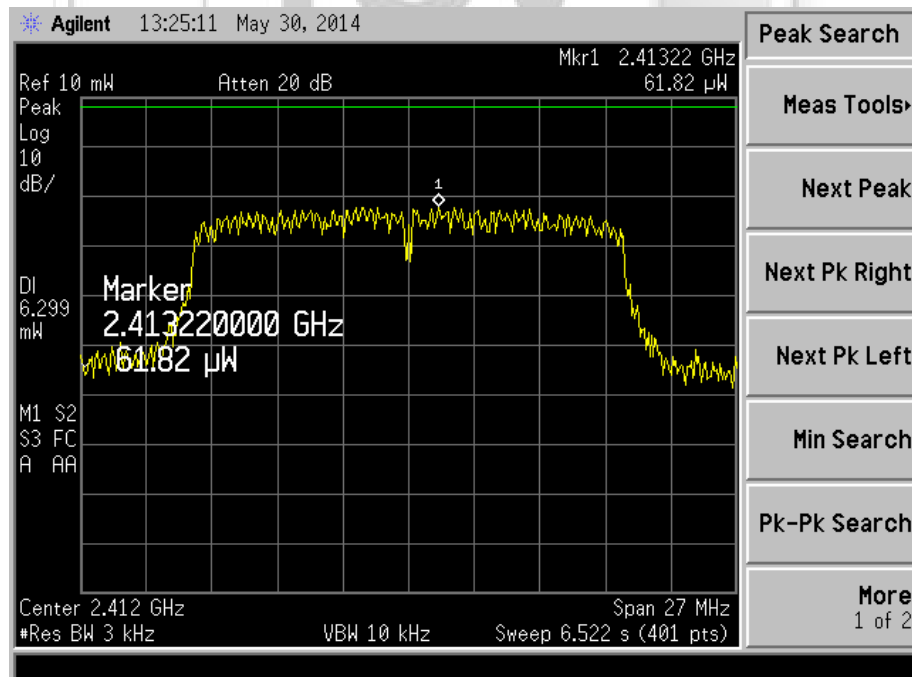
Plot 1965 – Channel 11 (upper ch) @ 64QAM 54Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



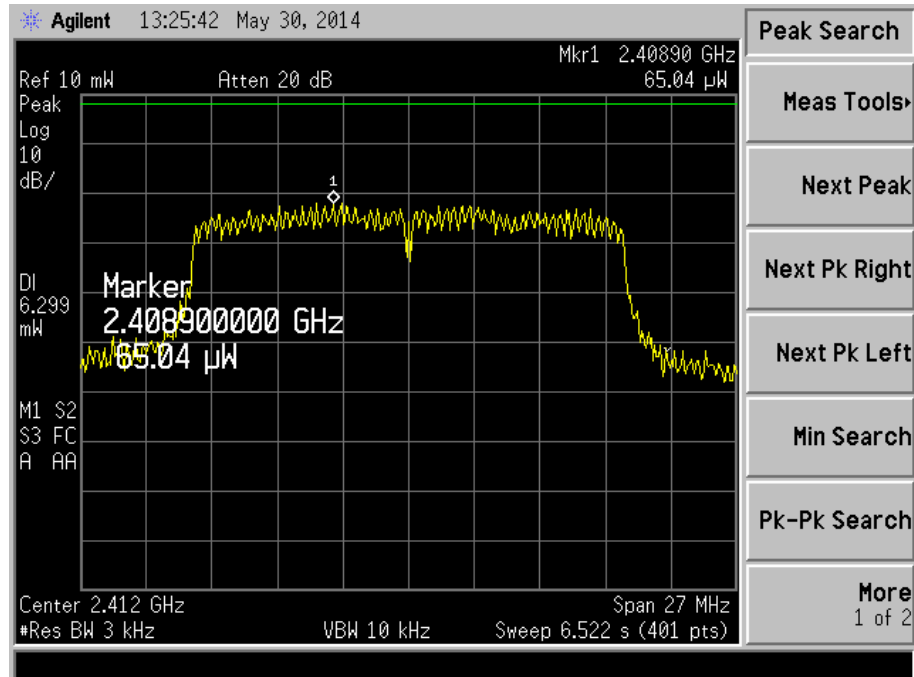
Plot 1966 – Channel 1 (lower ch) @ MCS8 13Mbps



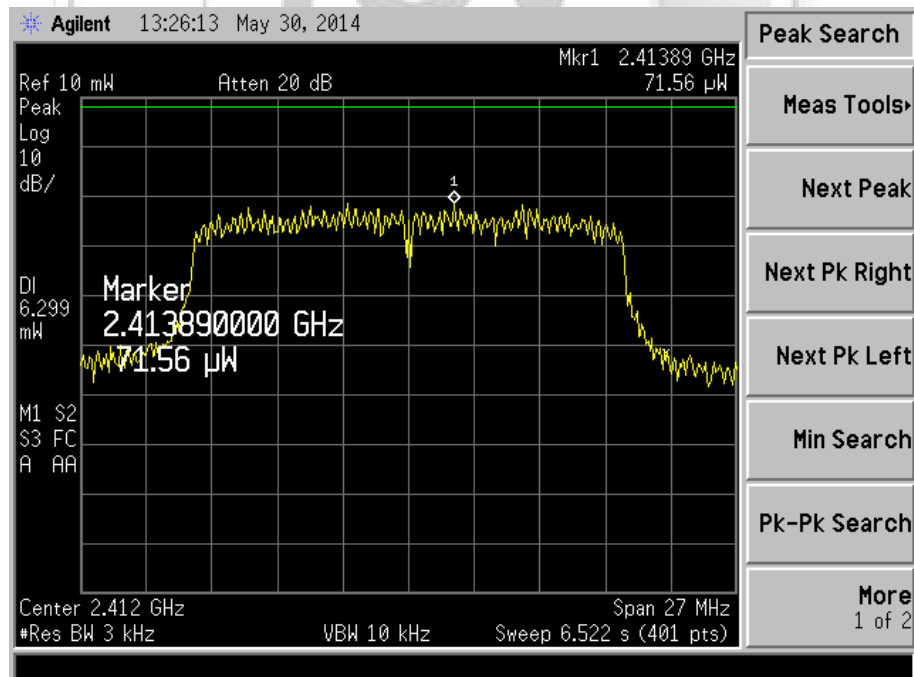
Plot 1967 – Channel 1 (lower ch) @ MCS10 39Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



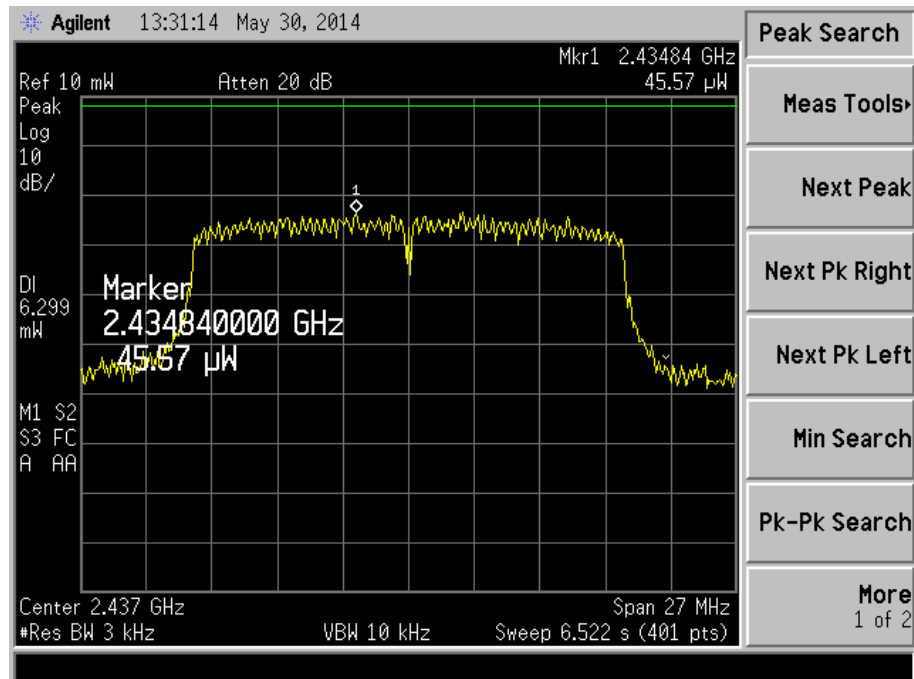
Plot 1968 – Channel 1 (lower ch) @ MCS12 78Mbps



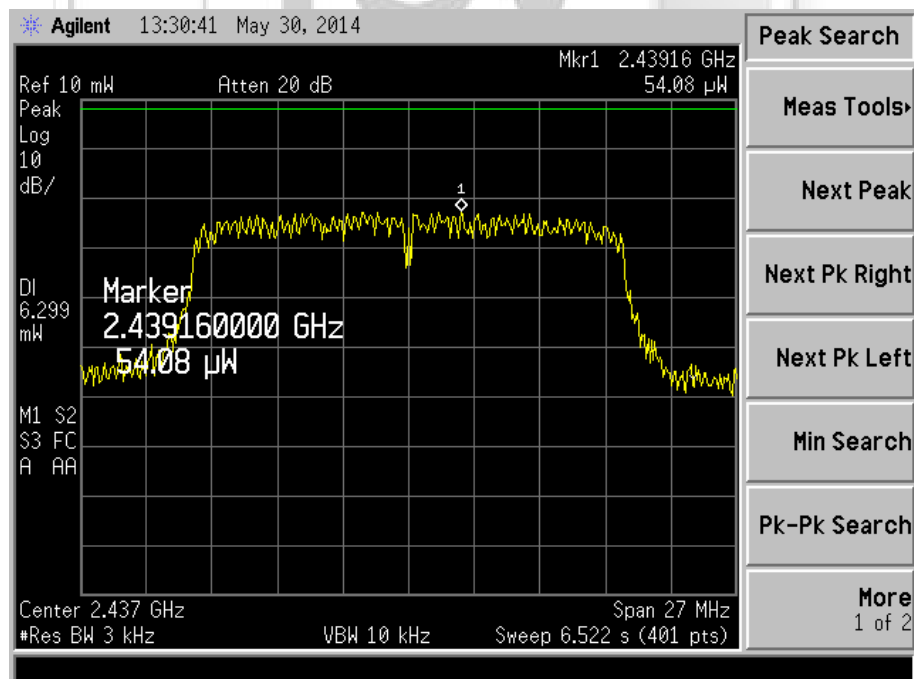
Plot 1969 – Channel 1 (lower ch) @ MCS15 130Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



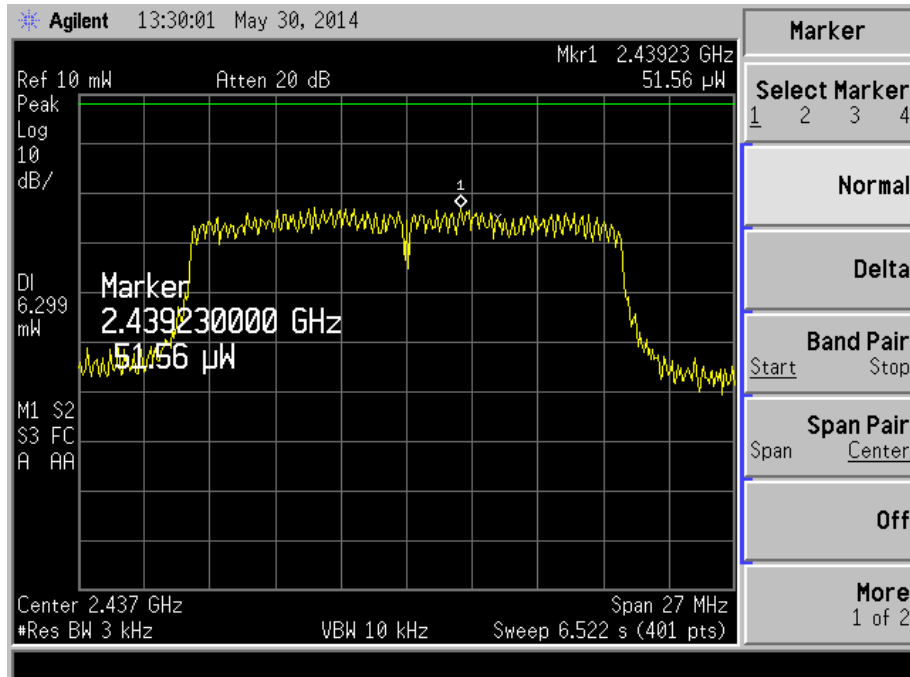
Plot 1970 – Channel 6 (middle ch) @ MCS8 13Mbps



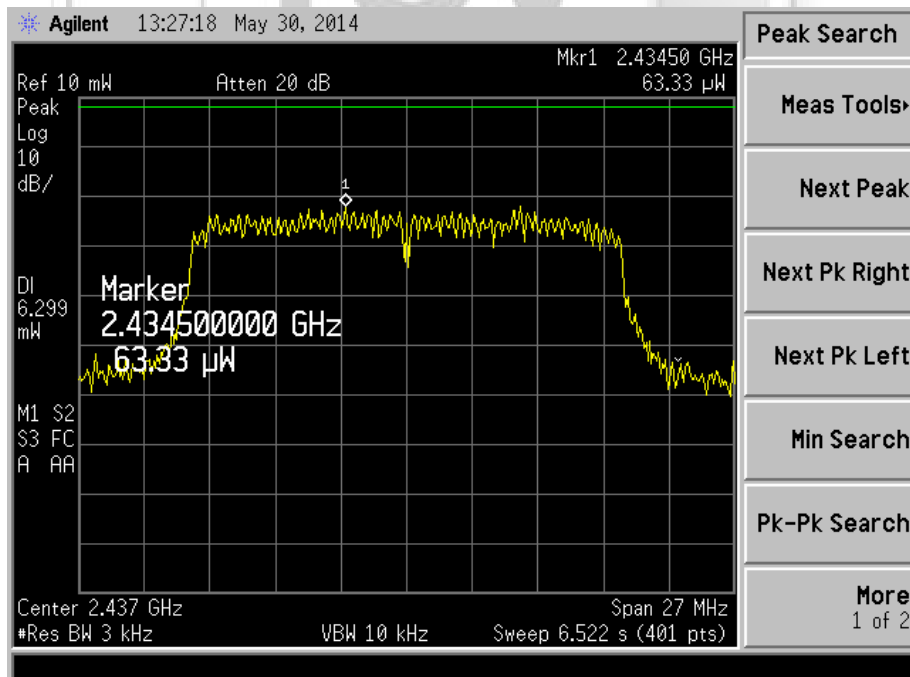
Plot 1971 – Channel 6 (middle ch) @ MCS10 39Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



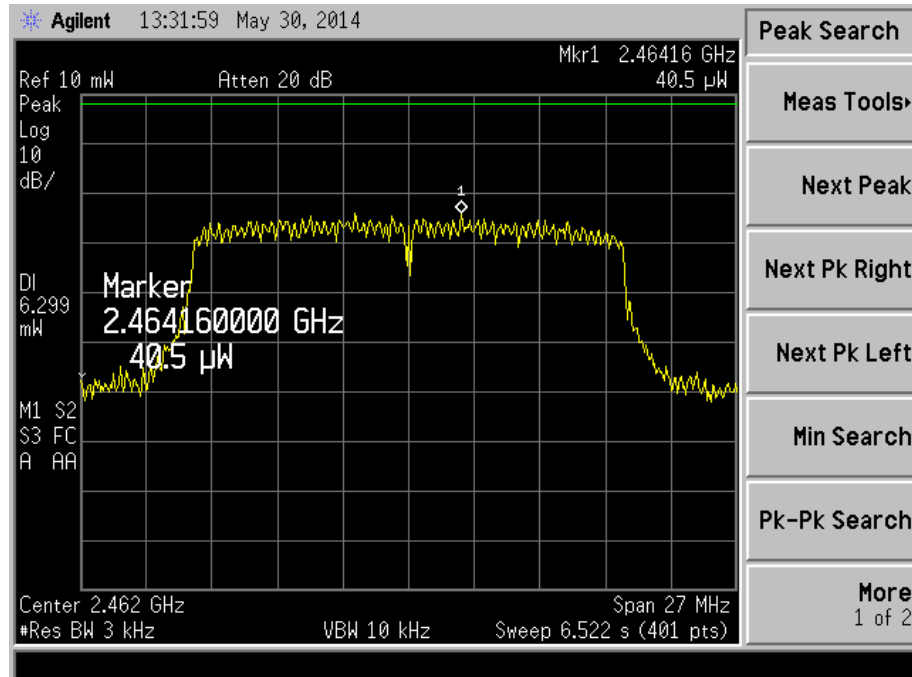
Plot 1972 – Channel 6 (middle ch) @ MCS12 78Mbps



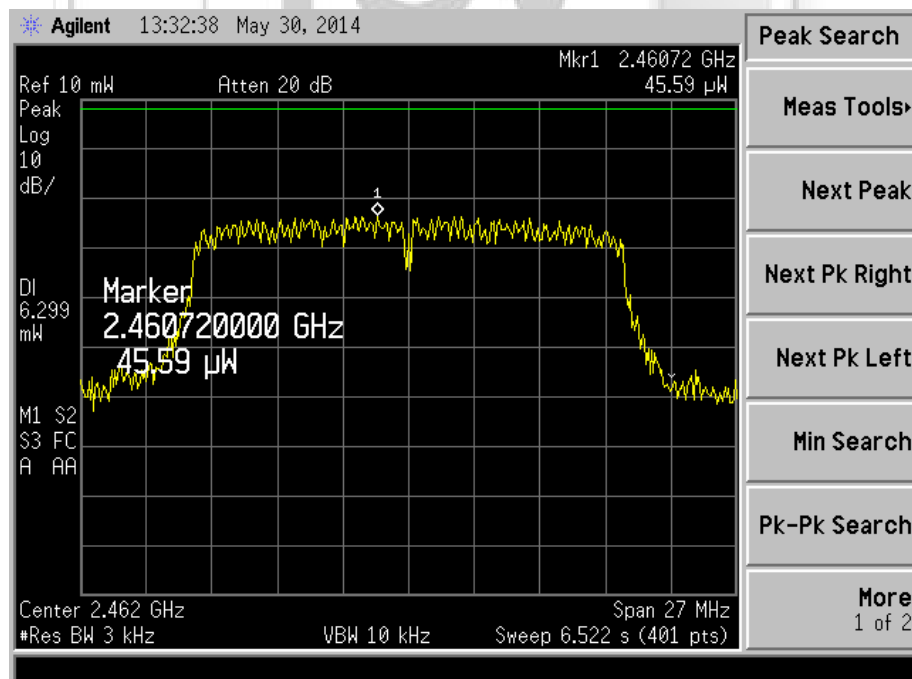
Plot 1973 – Channel 6 (middle ch) @ MCS15 130Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



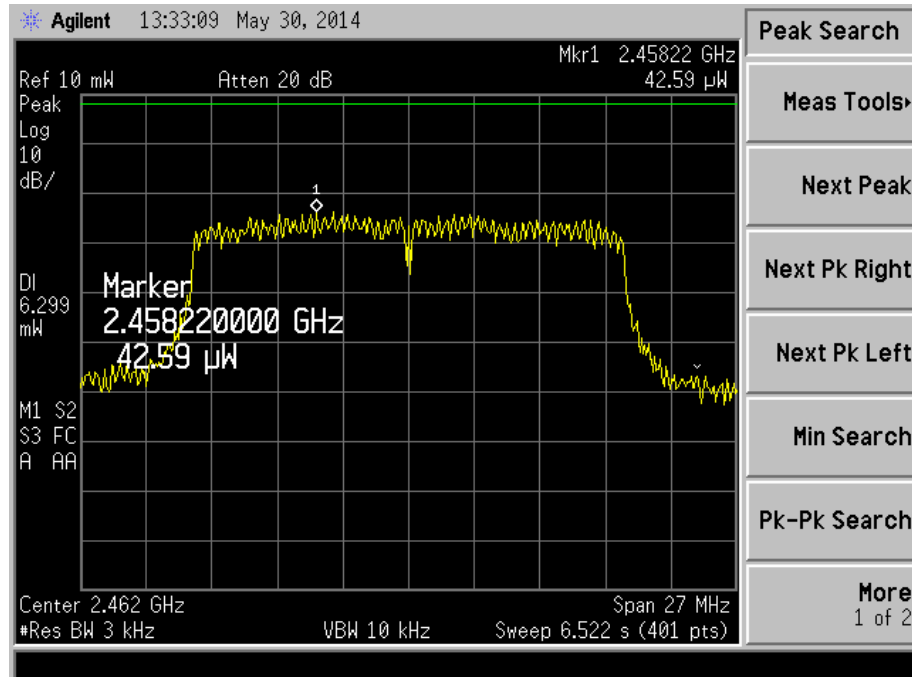
Plot 1974 – Channel 11 (upper ch) @ MCS8 13Mbps



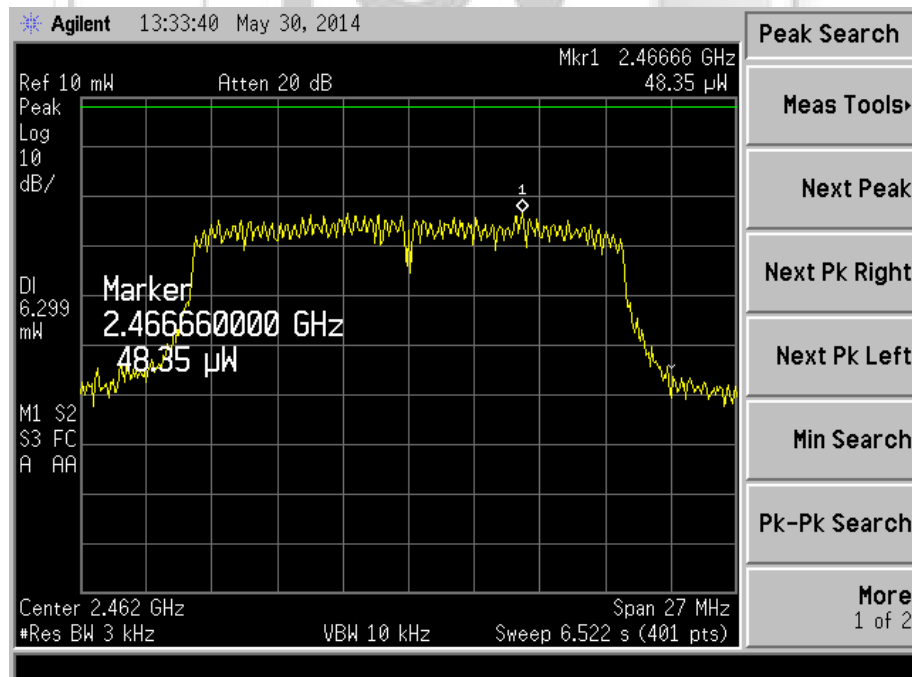
Plot 1975 – Channel 11 (upper ch) @ MCS10 39Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



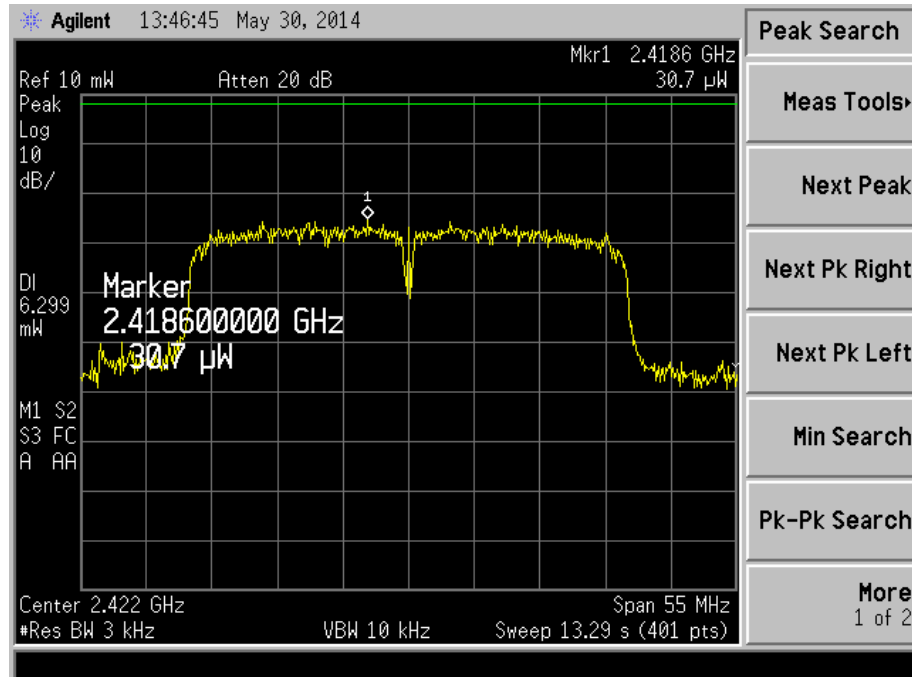
Plot 1976 – Channel 11 (upper ch) @ MCS12 78Mbps



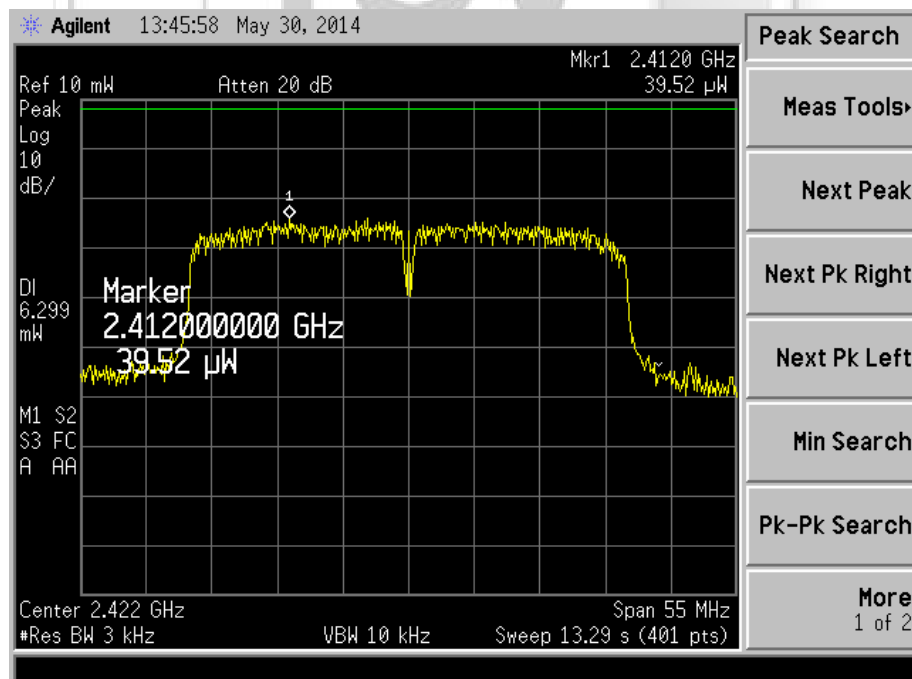
Plot 1977 – Channel 11 (upper ch) @ MCS15 130Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (40MHz)



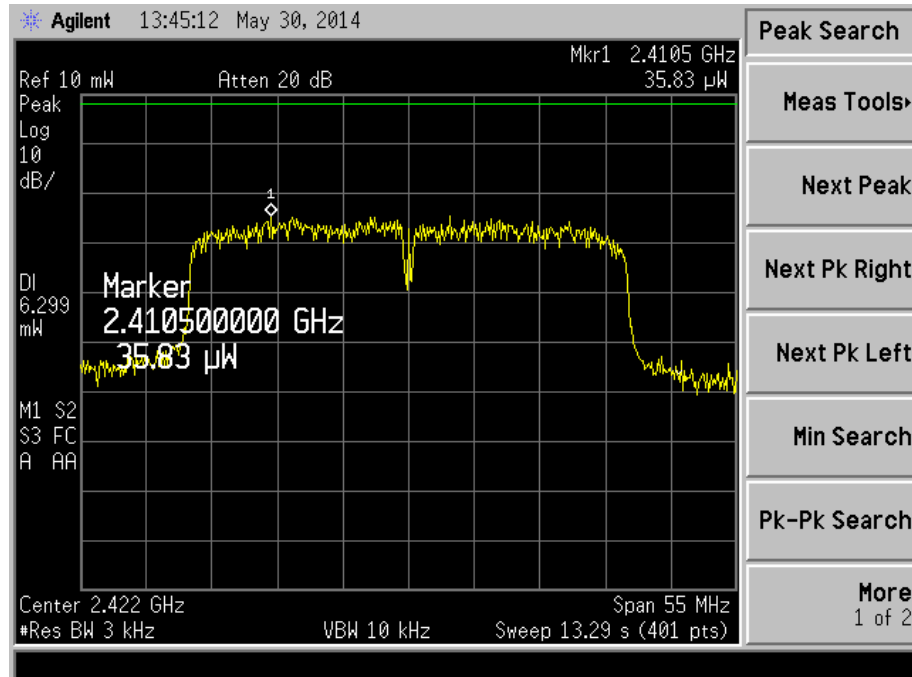
Plot 1978 – Channel 3 (lower ch) @ MCS8 27Mbps



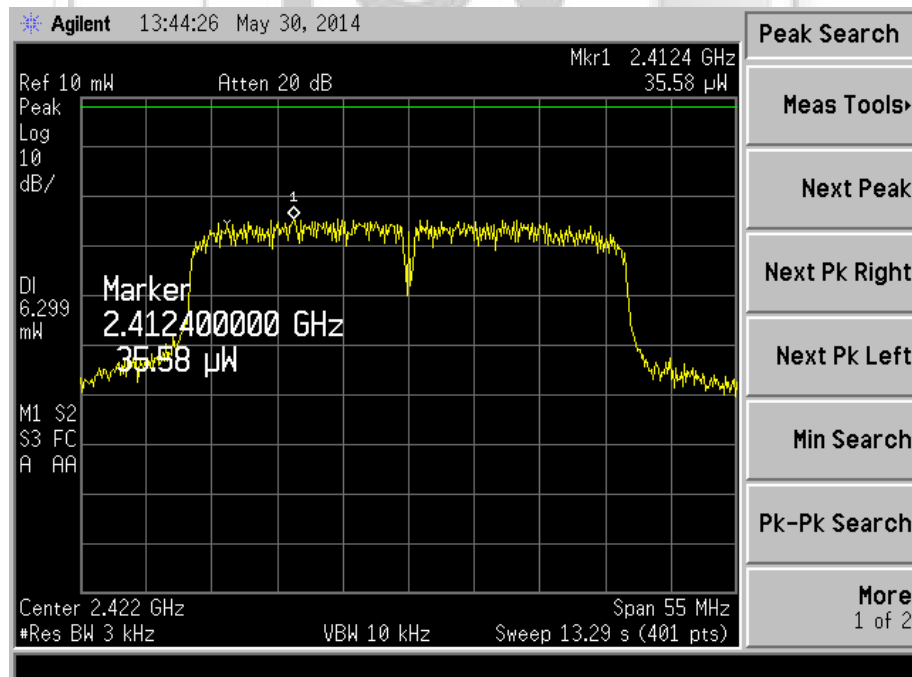
Plot 1979 – Channel 3 (lower ch) @ MCS10 81Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (20MHz)



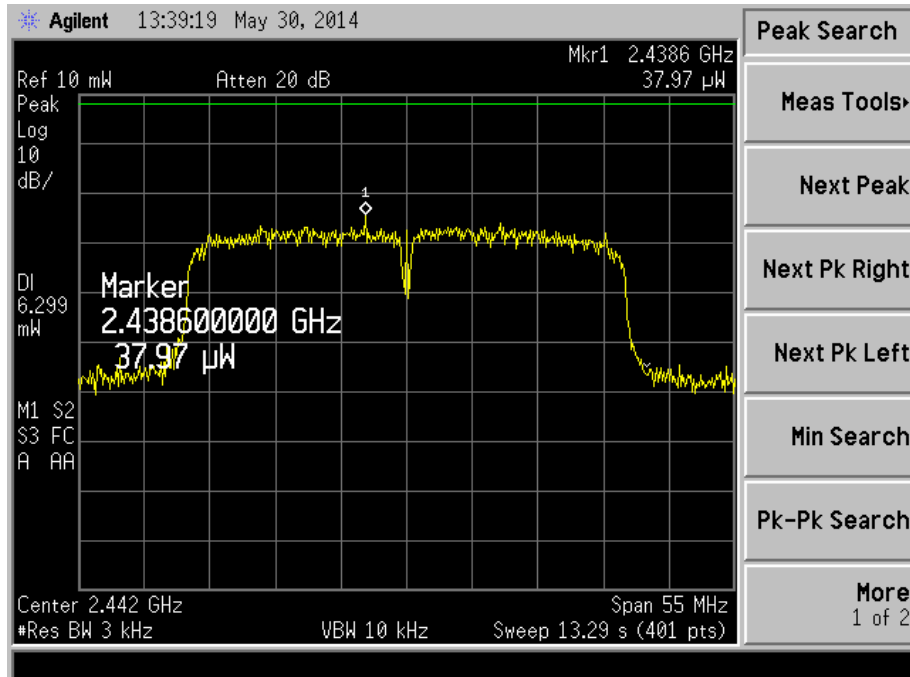
Plot 1980 – Channel 3 (lower ch) @ MCS12 162Mbps



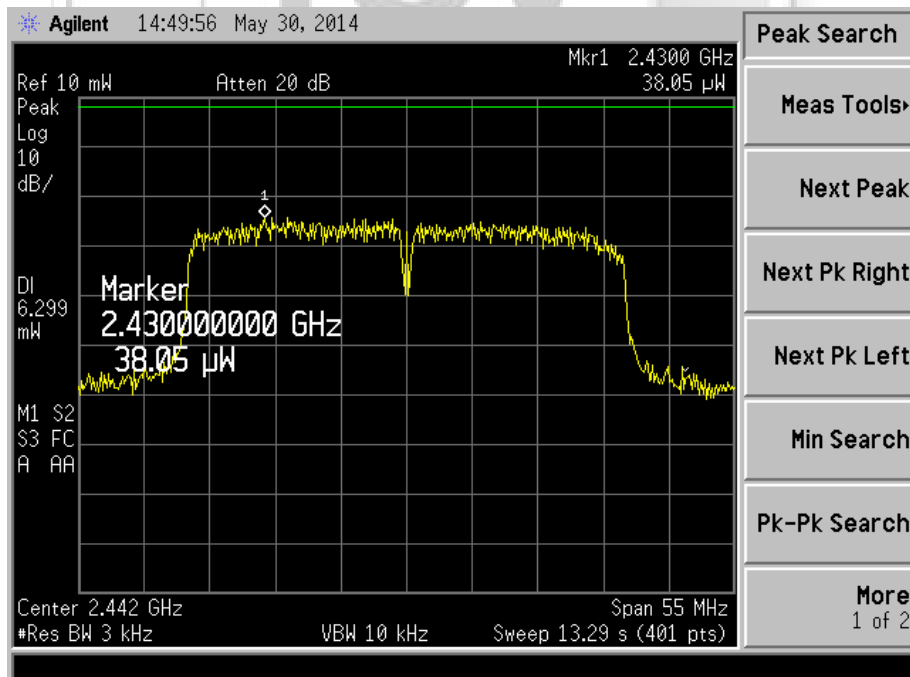
Plot 1981 – Channel 3 (lower ch) @ MCS15 270Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (40MHz)



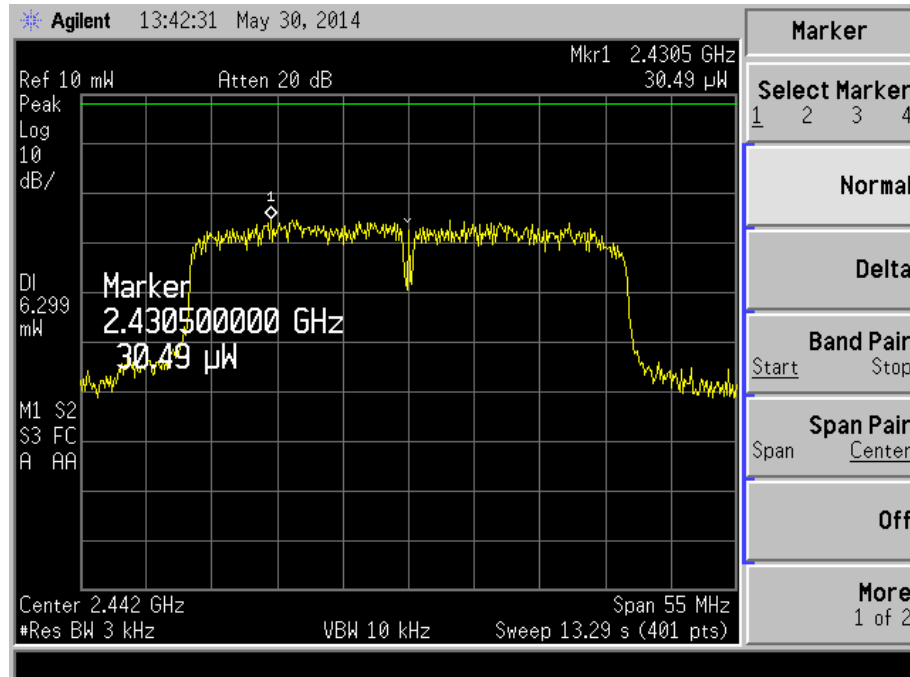
Plot 1982 – Channel 7 (middle ch) @ MCS8 27Mbps



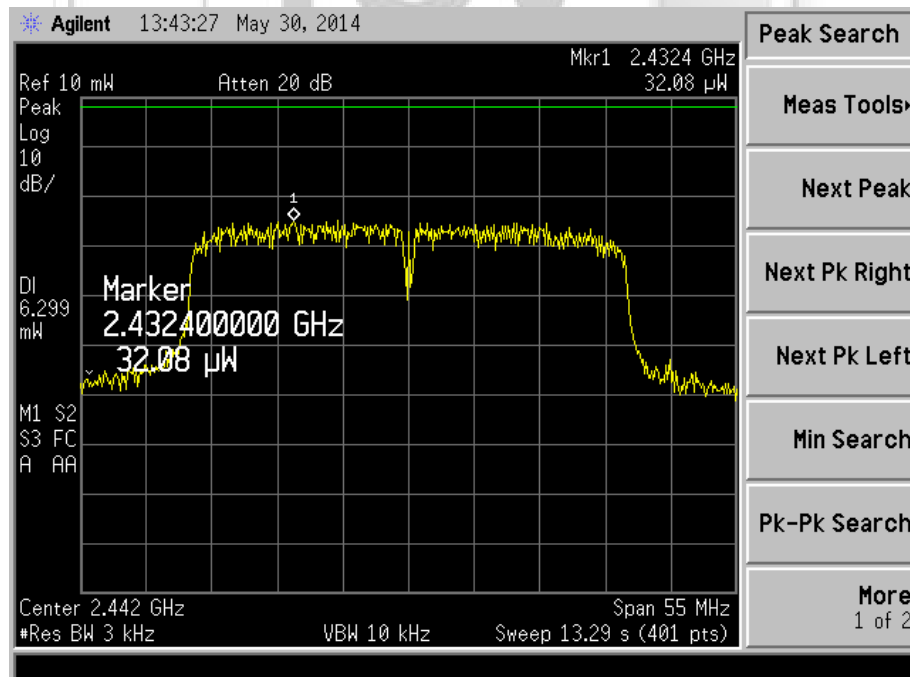
Plot 1983 – Channel 7 (middle ch) @ MCS10 81Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (40MHz)



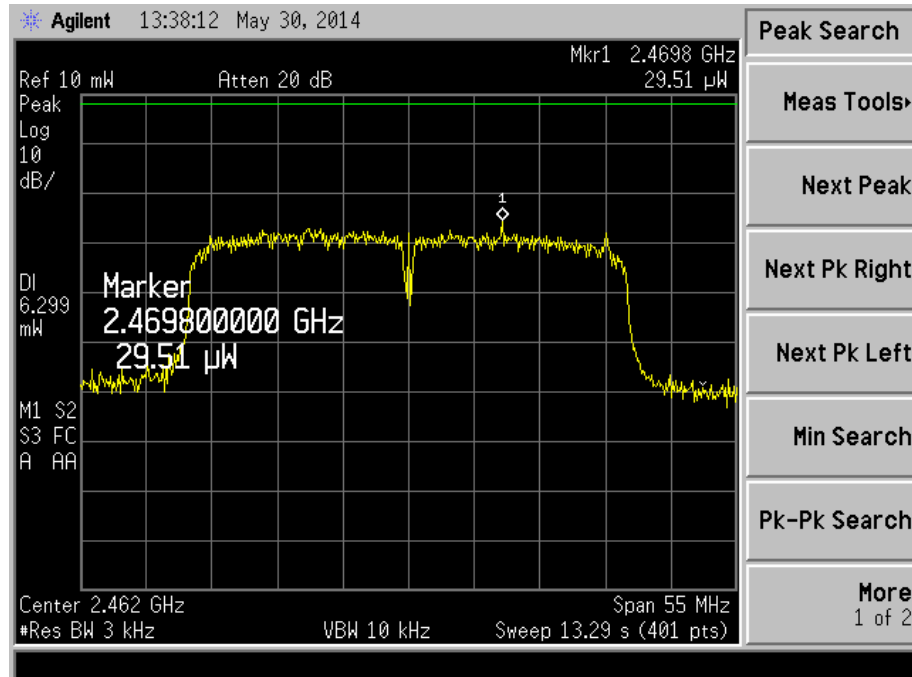
Plot 1984 – Channel 7 (middle ch) @ MCS12 162Mbps



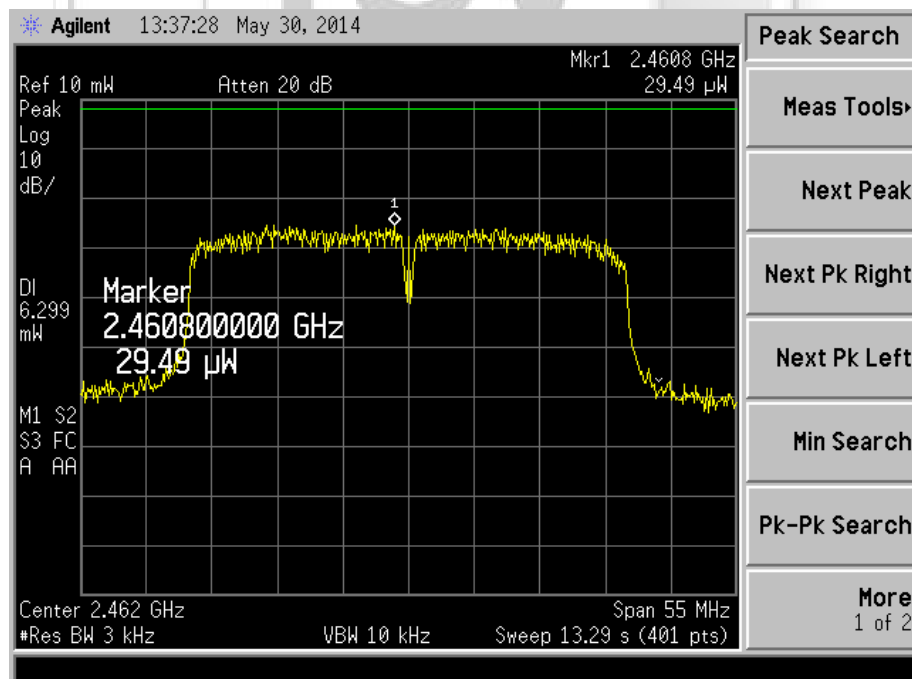
Plot 1985 – Channel 7 (middle ch) @ MCS15 270Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (40MHz)



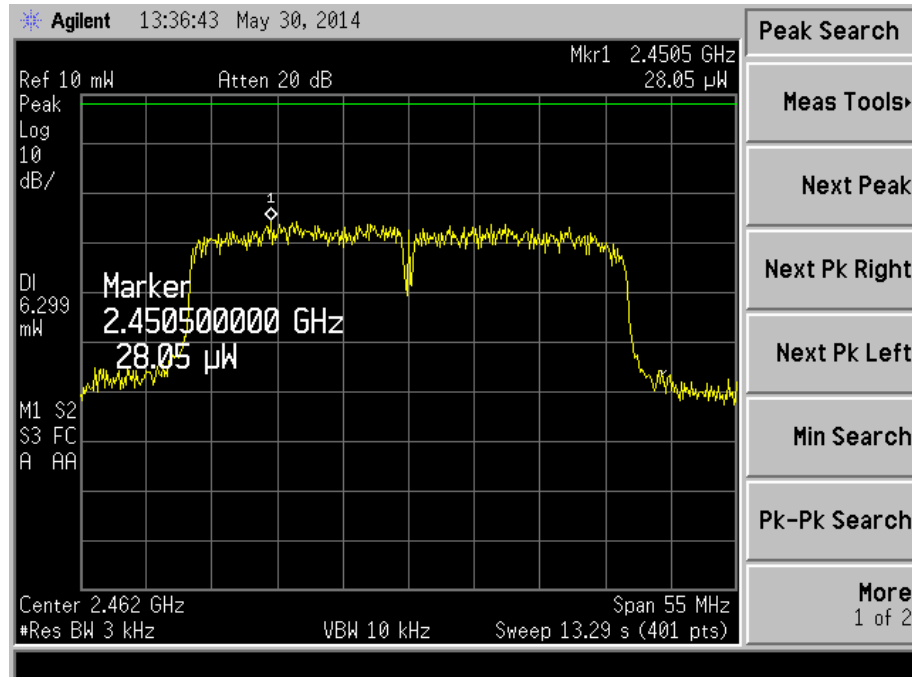
Plot 1986 – Channel 11 (upper ch) @ MCS8 27Mbps



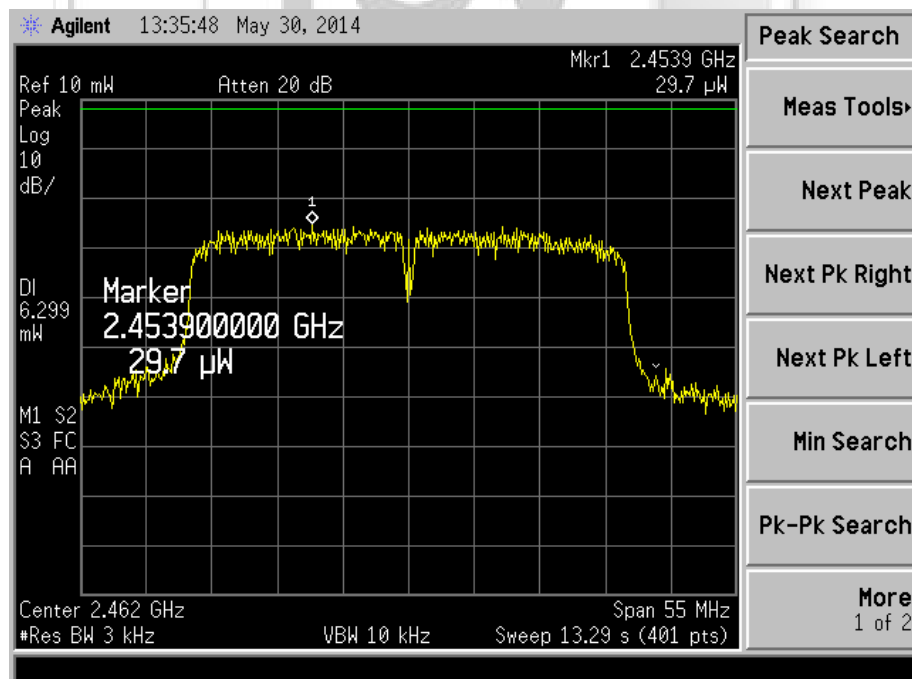
Plot 1987 – Channel 11 (upper ch) @ MCS10 81Mbps

PEAK POWER SPECTRAL DENSITY TEST

Peak Power Spectral Density Plots – 802.11n (40MHz)



Plot 1988 – Channel 11 (upper ch) @ MCS12 162Mbps



Plot 1989 – Channel 11 (upper ch) @ MCS15 270Mbps

MAXIMUM PERMISSIBLE EXPOSURE (MPE) TEST

47 CFR FCC Part 1.1310 Maximum Permissible Exposure (MPE) Limits

The EUT shows compliance to the requirements of this section, which states the MPE limits for general population / uncontrolled exposure are as shown below:

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (min)
0.3 - 1.34	614	1.63	100 ^{Note 2}	30
1.34 - 30	824 / f	2.19 / f	180 / f ² ^{Note 2}	30
30 - 300	27.5	0.073	0.2	30
300 - 1500	-	-	f / 1500	30
1500 - 100000	-	-	1.0	30
Notes				
1. f = frequency in MHz				
2. Plane wave equivalent power density				

47 CFR FCC Part 1.1310 Maximum Permissible Exposure Computation

The power density at 20cm distance was computed from the following formula:

$$\begin{aligned}
 S &= (30GP) / (377d^2) \\
 \text{where } S &= \text{Power density in W/m}^2 \\
 P &= 0.1524W \text{ (maximum peak measured from Maximum Peak Power)} \\
 d &= \text{Test distance at 0.2m} \\
 G &= \text{Numerical isotropic gain, 1.59 (2.0dBi)}
 \end{aligned}$$

Substituting the relevant parameters into the formula:

$$\begin{aligned}
 S &= [(30GP) / 377d^2] \\
 &= 0.4821 \text{ W/m}^2 \\
 &= 0.0482 \text{ mW/cm}^2
 \end{aligned}$$

∴ The power density of the EUT at 20cm distance is 0.0482 mW/cm² based on the above computation and found to be lower than the power density limit of 1.0mW/cm².



Please note that this Report is issued under the following terms :

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