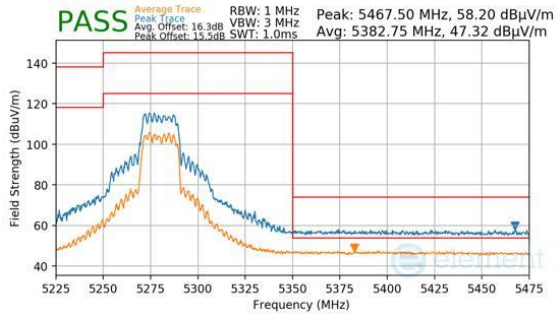
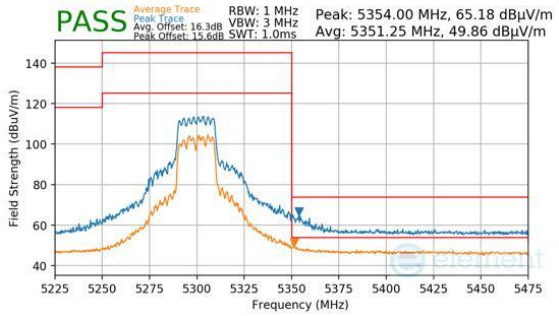
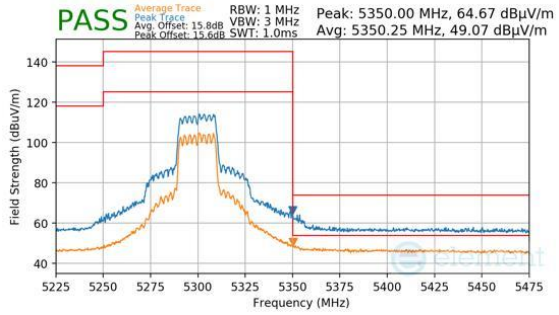


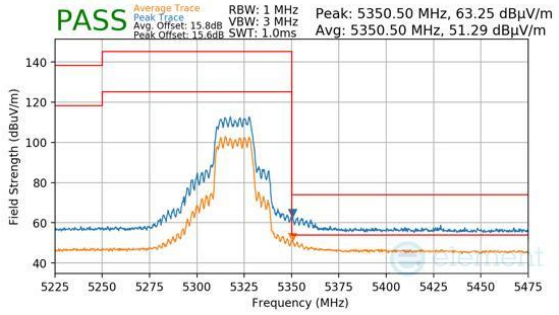
Plot 7-1903. CDD/SDM Diversity (Pk & Avg, Ch.56, 802.11ax(SU), MCS11)



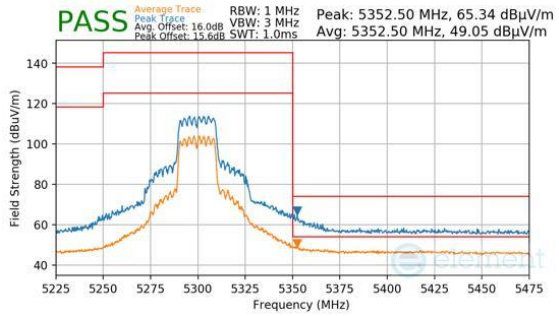
Plot 7-1906. CDD/SDM Diversity (Pk & Avg, Ch.60, 802.11ax(SU), MCS11)



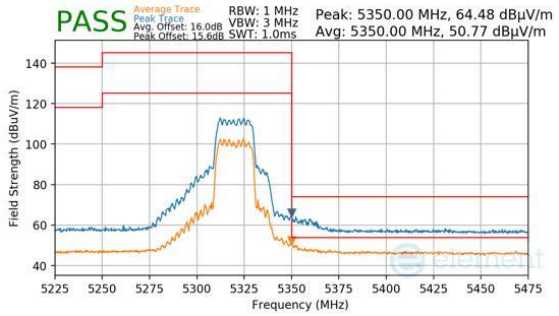
Plot 7-1904. CDD/SDM Diversity (Pk & Avg, Ch.60, 802.11ax(SU), MCS2)



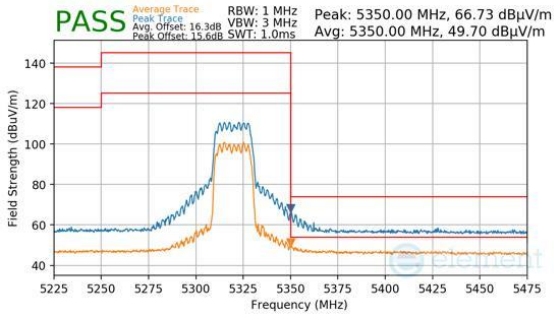
Plot 7-1907. CDD/SDM Diversity (Pk & Avg, Ch.64, 802.11ax(SU), MCS2)



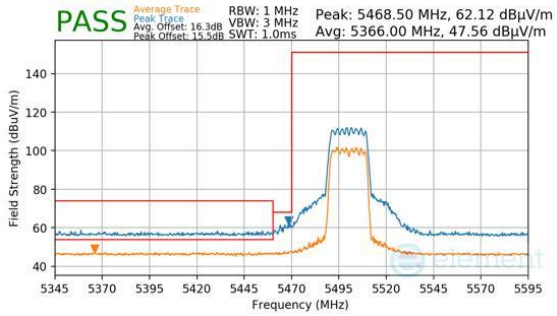
Plot 7-1905. CDD/SDM Diversity (Pk & Avg, Ch.60, 802.11ax(SU), MCS4)



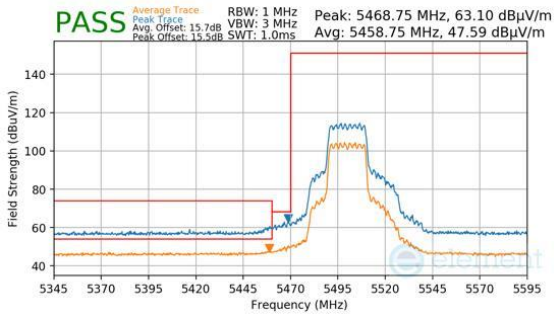
Plot 7-1908. CDD/SDM Diversity (Pk & Avg, Ch.64, 802.11ax(SU), MCS4)



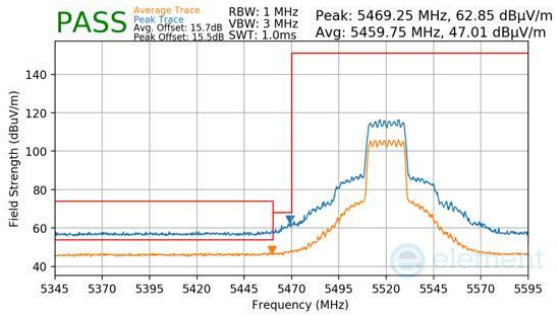
Plot 7-1909. CDD/SDM Diversity (Pk & Avg, Ch.64, 802.11ax(SU), MCS11)



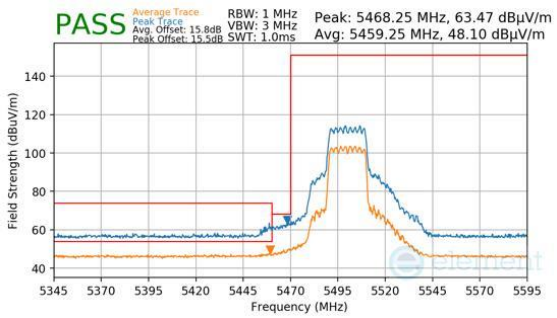
Plot 7-1912. CDD/SDM Diversity (Pk & Avg, Ch.100, 802.11ax(SU), MCS11)



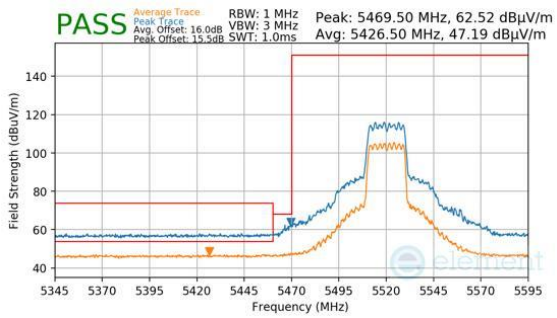
Plot 7-1910. CDD/SDM Diversity (Pk & Avg, Ch.100, 802.11ax(SU), MCS2)



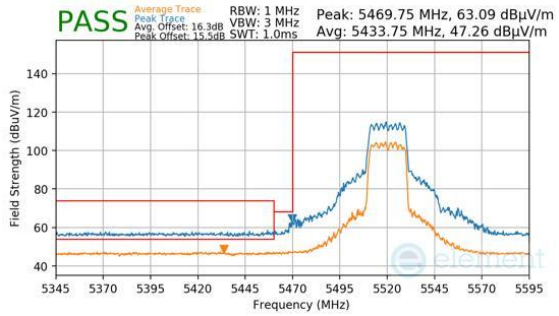
Plot 7-1913. CDD/SDM Diversity (Pk & Avg, Ch.104, 802.11ax(SU), MCS2)



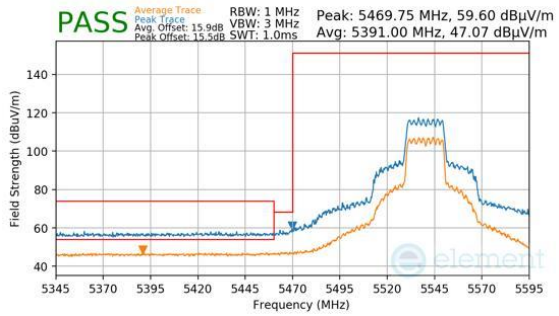
Plot 7-1911. CDD/SDM Diversity (Pk & Avg, Ch.100, 802.11ax(SU), MCS4)



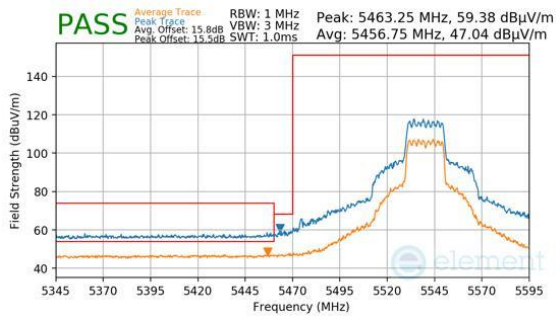
Plot 7-1914. CDD/SDM Diversity (Pk & Avg, Ch.104, 802.11ax(SU), MCS4)



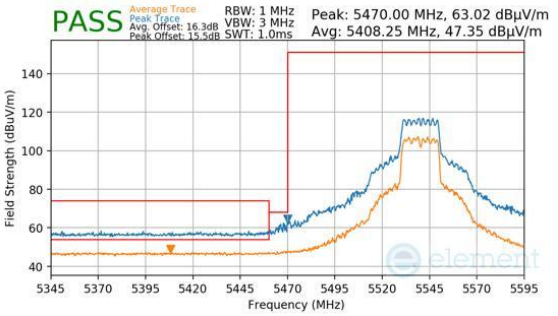
Plot 7-1915. CDD/SDM Diversity (Pk & Avg, Ch.104, 802.11ax(SU), MCS11)



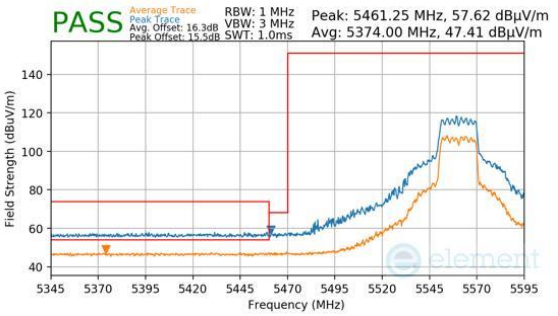
Plot 7-1916. CDD/SDM Diversity (Pk & Avg, Ch.108, 802.11ax(SU), MCS2)



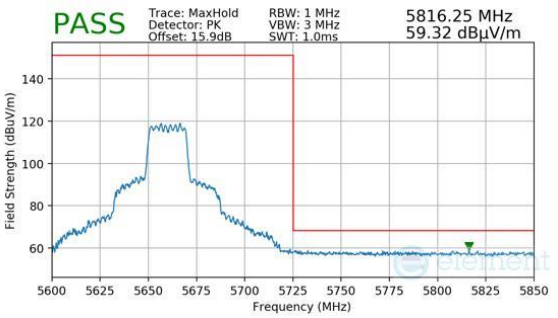
Plot 7-1917. CDD/SDM Diversity (Pk & Avg, Ch.108, 802.11ax(SU), MCS4)



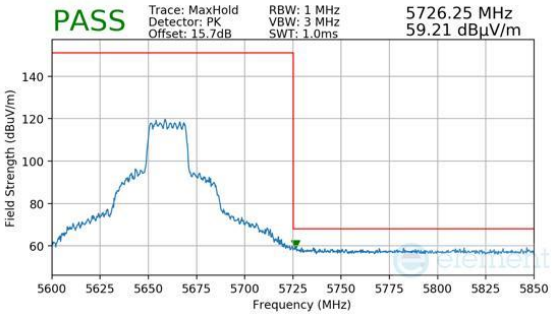
Plot 7-1918. CDD/SDM Diversity (Pk & Avg, Ch.108, 802.11ax(SU), MCS11)



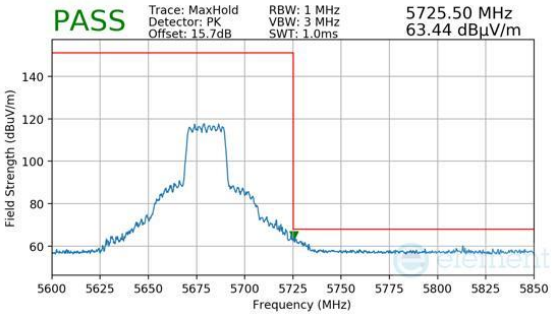
Plot 7-1919. CDD/SDM Diversity (Pk & Avg, Ch.112, 802.11ax(SU), MCS11)



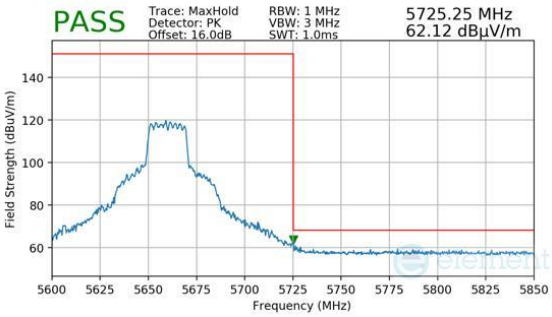
Plot 7-1920. CDD/SDM Diversity (Pk, Ch.132, 802.11ax(SU), MCS2)



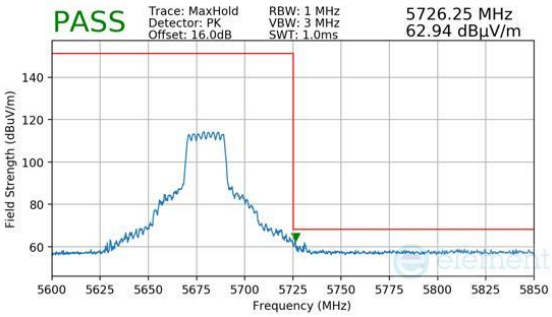
Plot 7-1921. CDD/SDM Diversity (Pk, Ch.132, 802.11ax(SU), MCS4)



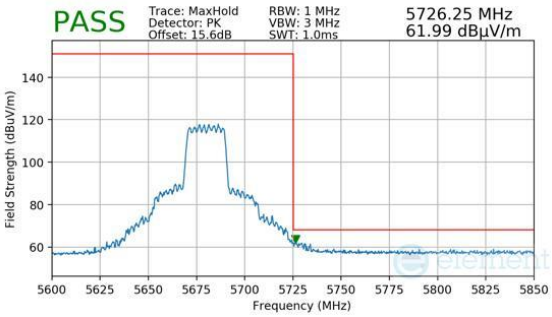
Plot 7-1924. CDD/SDM Diversity (Pk, Ch.136, 802.11ax(SU), MCS4)



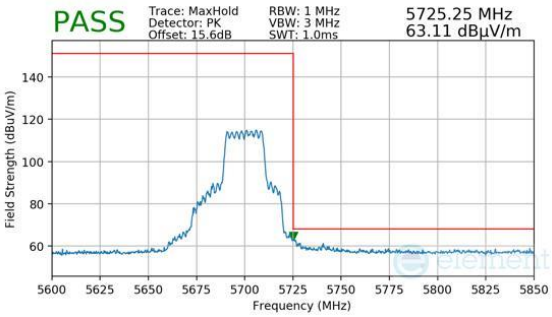
Plot 7-1922. CDD/SDM Diversity (Pk, Ch.132, 802.11ax(SU), MCS11)



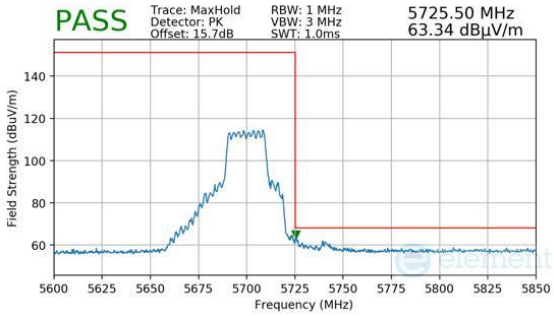
Plot 7-1925. CDD/SDM Diversity (Pk, Ch.136, 802.11ax(SU), MCS11)



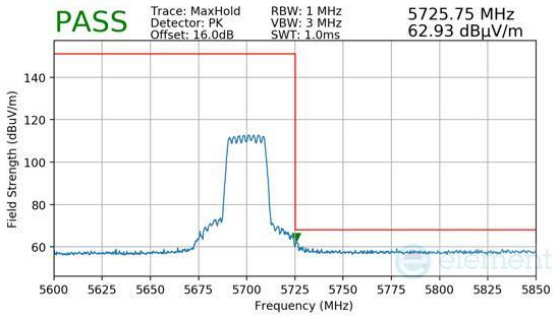
Plot 7-1923. CDD/SDM Diversity (Pk, Ch.136, 802.11ax(SU), MCS2)



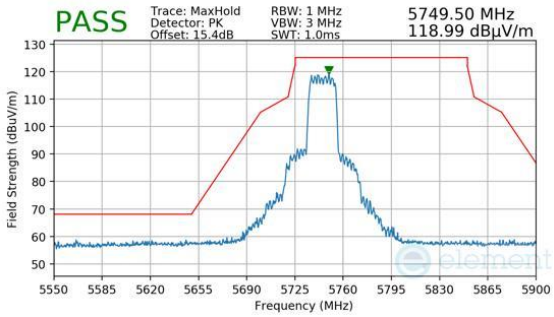
Plot 7-1926. CDD/SDM Diversity (Pk, Ch.140, 802.11ax(SU), MCS2)



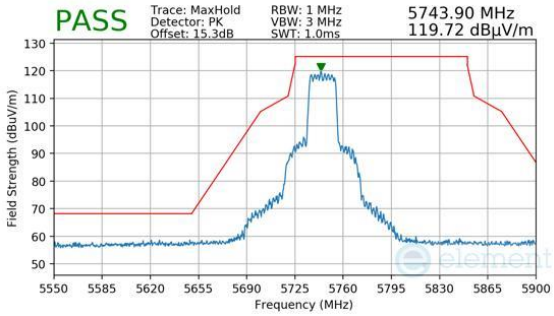
Plot 7-1927. CDD/SDM Diversity (Pk, Ch.140, 802.11ax(SU), MCS4)



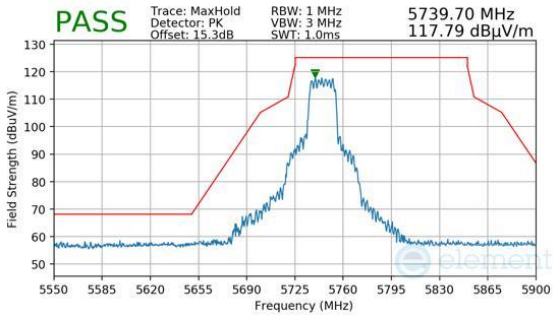
Plot 7-1928. CDD/SDM Diversity (Pk, Ch.140, 802.11ax(SU), MCS11)



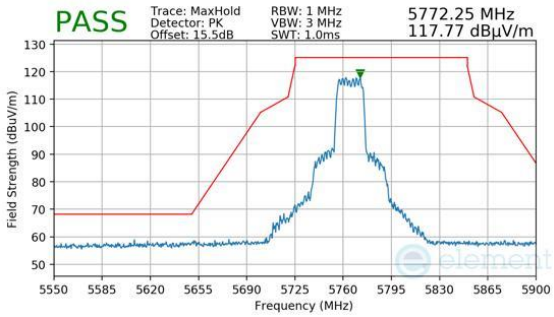
Plot 7-1929. CDD/SDM Diversity (Pk, Ch.149, 802.11ax(SU), MCS2)



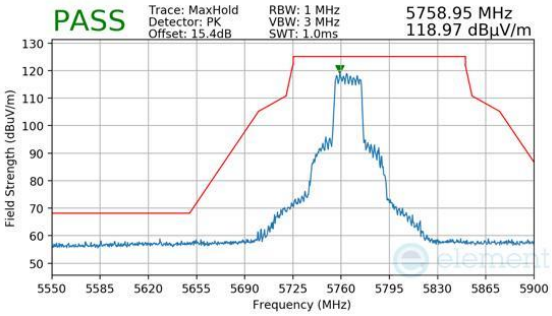
Plot 7-1930. CDD/SDM Diversity (Pk, Ch.149, 802.11ax(SU), MCS4)



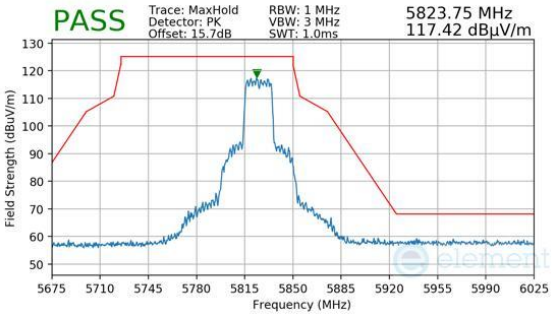
Plot 7-1931. CDD/SDM Diversity (Pk, Ch.149, 802.11ax(SU), MCS11)



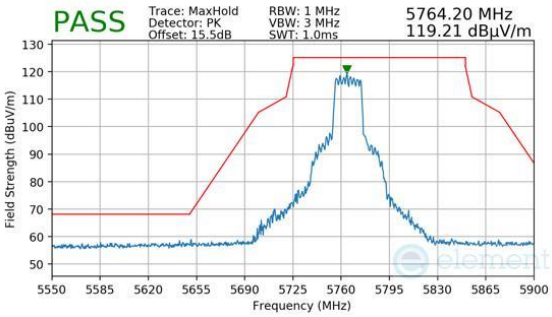
Plot 7-1932. CDD/SDM Diversity (Pk, Ch.153, 802.11ax(SU), MCS2)



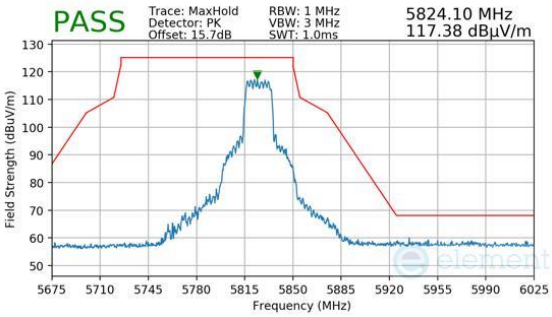
Plot 7-1933. CDD/SDM Diversity (Pk, Ch.153, 802.11ax(SU), MCS4)



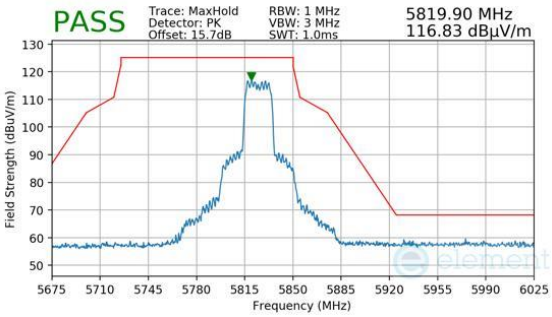
Plot 7-1936. CDD/SDM Diversity (Pk, Ch.165, 802.11ax(SU), MCS4)



Plot 7-1934. CDD/SDM Diversity (Pk, Ch.153, 802.11ax(SU), MCS11)



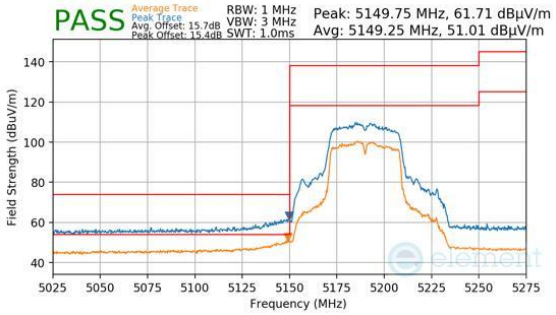
Plot 7-1937. CDD/SDM Diversity (Pk, Ch.165, 802.11ax(SU), MCS11)



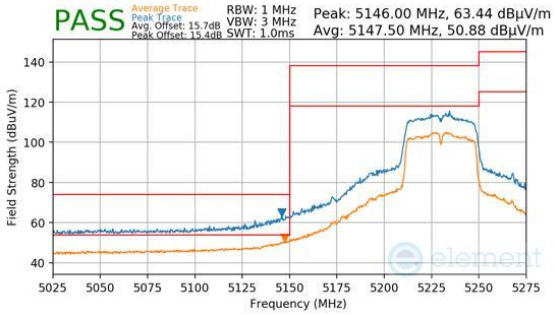
Plot 7-1935. CDD/SDM Diversity (Pk, Ch.165, 802.11ax(SU), MCS2)

7.6.24 CDD/SDM Diversity Radiated Band Edge Measurements (40MHz BW)

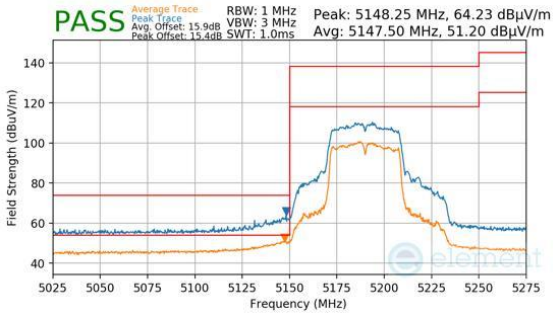
§15.407(B.1)(B.2) §15.205 §15.209; RSS-Gen [8.9]



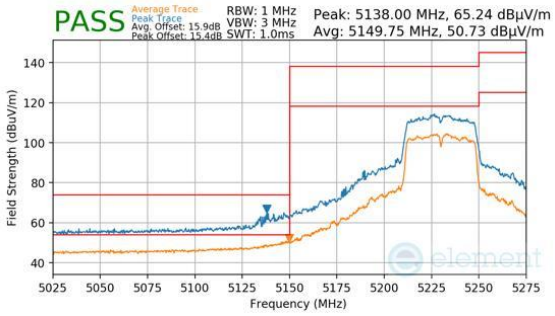
Plot 7-1938. CDD/SDM Diversity (Pk & Avg, Ch.38, 802.11n, MCS10)



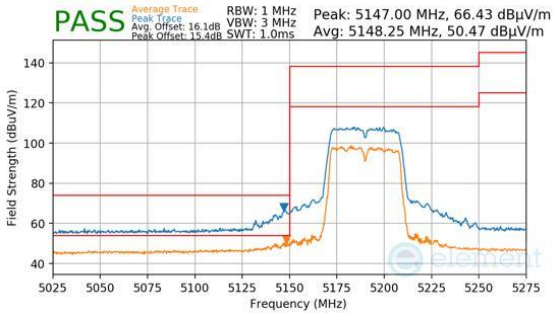
Plot 7-1941. CDD/SDM Diversity (Pk & Avg, Ch.46, 802.11n, MCS10)



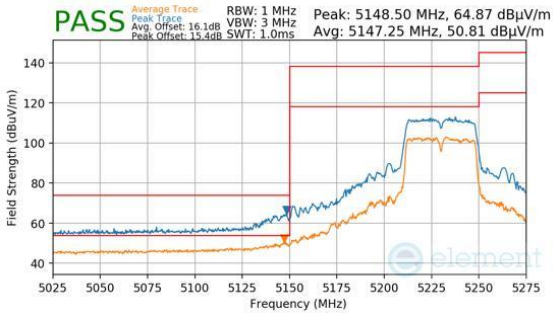
Plot 7-1939. CDD/SDM Diversity (Pk & Avg, Ch.38, 802.11n, MCS12)



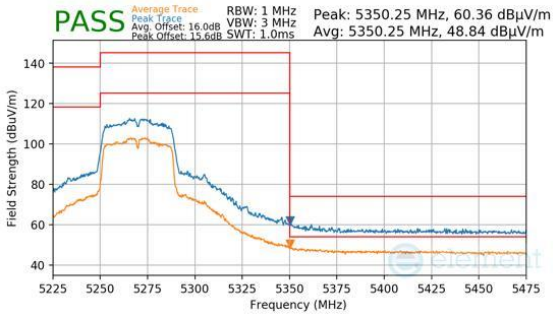
Plot 7-1942. CDD/SDM Diversity (Pk & Avg, Ch.46, 802.11n, MCS12)



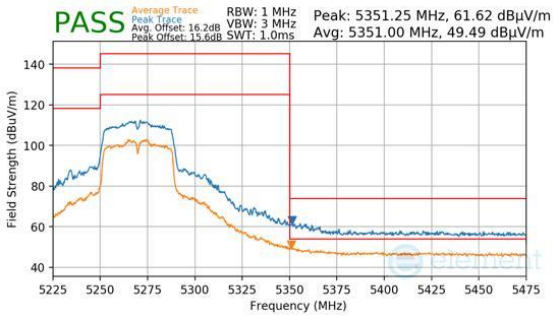
Plot 7-1940. CDD/SDM Diversity (Pk & Avg, Ch.38, 802.11n, MCS15)



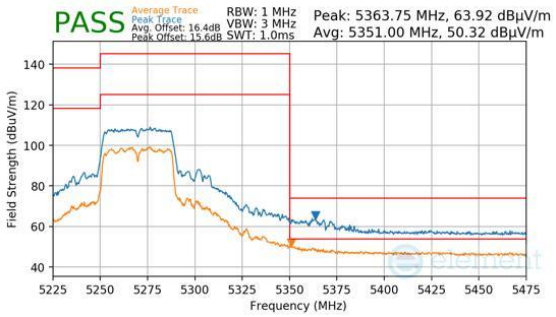
Plot 7-1943. CDD/SDM Diversity (Pk & Avg, Ch.46, 802.11n, MCS15)



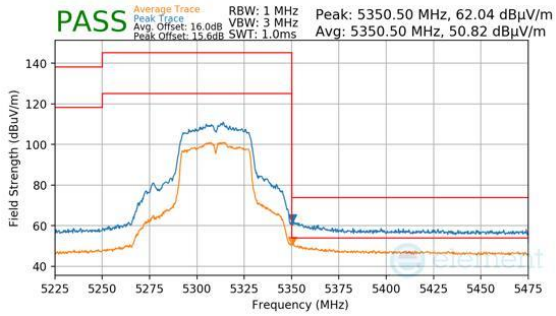
Plot 7-1944. CDD/SDM Diversity (Pk & Avg, Ch.54, 802.11n, MCS10)



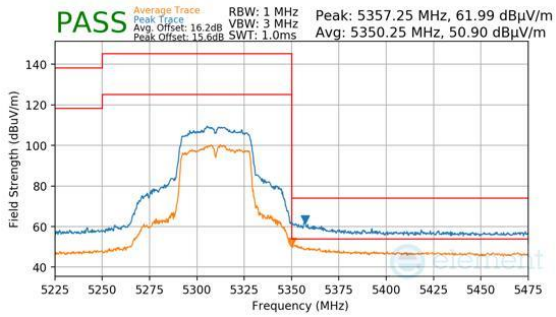
Plot 7-1945. CDD/SDM Diversity (Pk & Avg, Ch.54, 802.11n, MCS12)



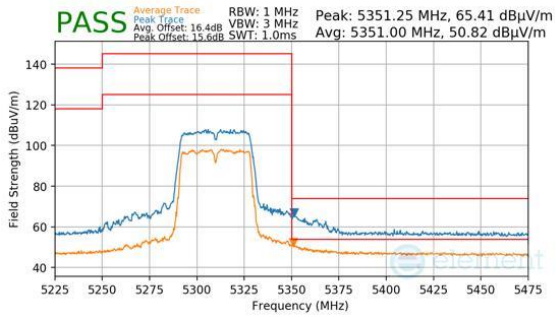
Plot 7-1946. CDD/SDM Diversity (Pk & Avg, Ch.54, 802.11n, MCS15)



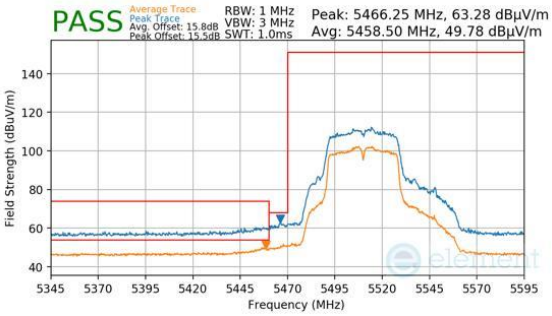
Plot 7-1947. CDD/SDM Diversity (Pk & Avg, Ch.62, 802.11n, MCS10)



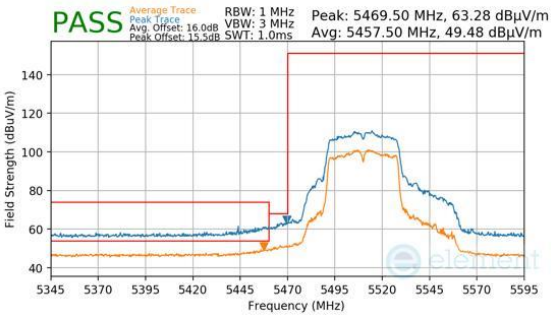
Plot 7-1948. CDD/SDM Diversity (Pk & Avg, Ch.62, 802.11n, MCS12)



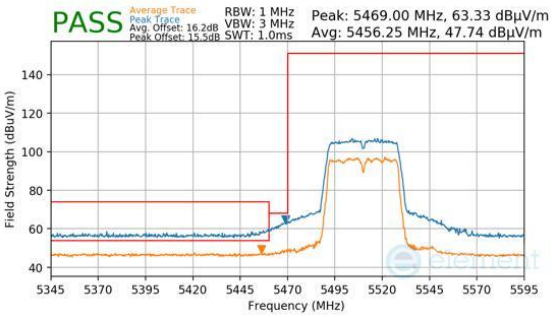
Plot 7-1949. CDD/SDM Diversity (Pk & Avg, Ch.62, 802.11n, MCS15)



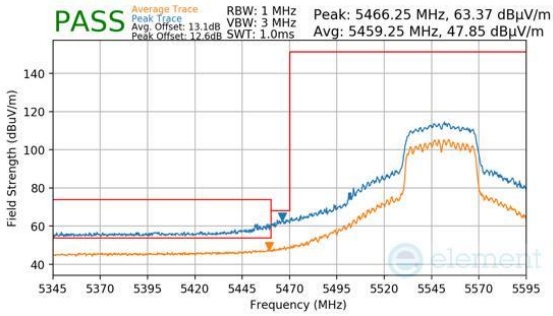
Plot 7-1950. CDD/SDM Diversity (Pk & Avg, Ch.102, 802.11n, MCS10)



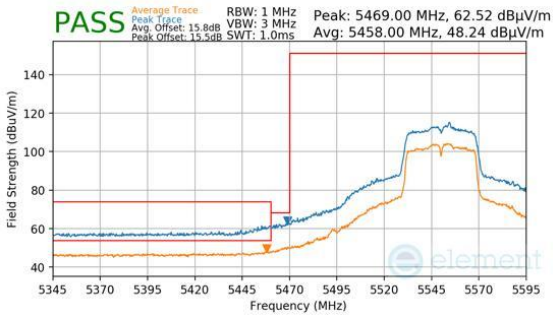
Plot 7-1951. CDD/SDM Diversity (Pk & Avg, Ch.102, 802.11n, MCS12)



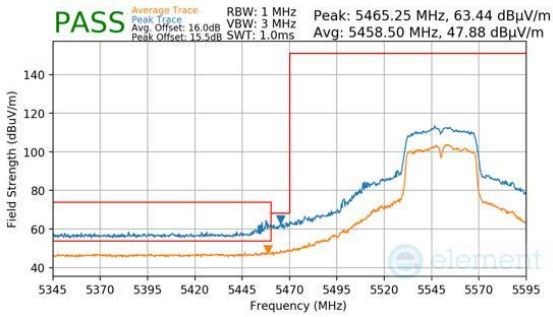
Plot 7-1952. CDD/SDM Diversity (Pk & Avg, Ch.102, 802.11n, MCS15)



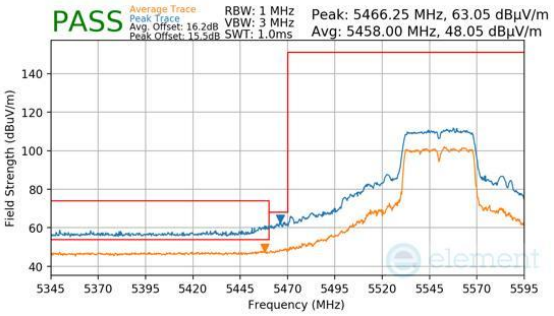
Plot 7-1953. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11n, MCS4)



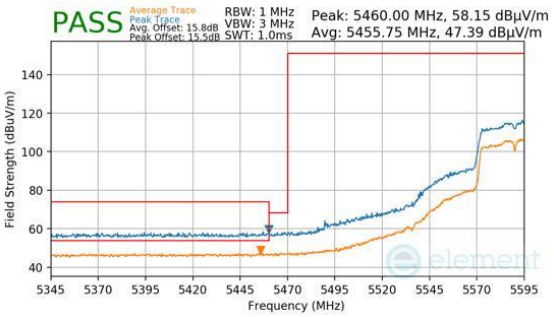
Plot 7-1954. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11n, MCS10)



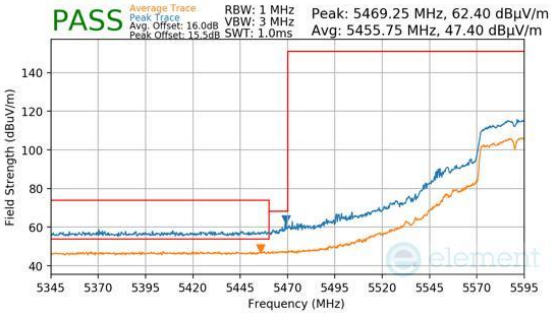
Plot 7-1955. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11n, MCS12)



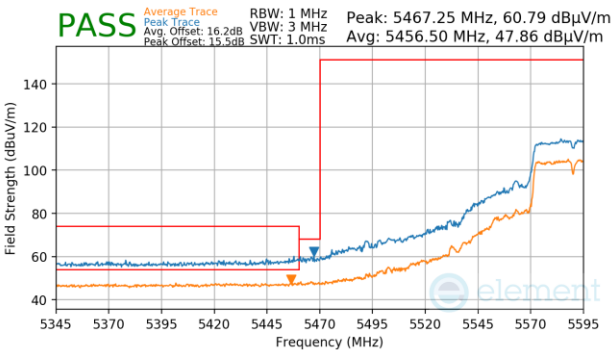
Plot 7-1956. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11n, MCS15)



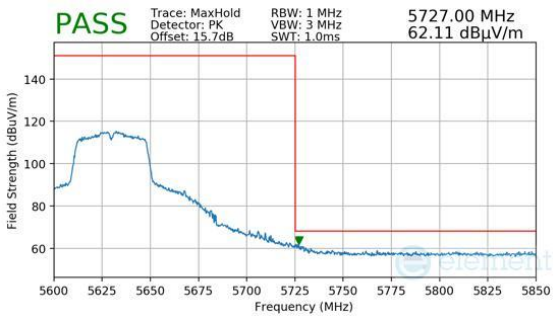
Plot 7-1957. CDD/SDM Diversity (Pk & Avg, Ch.118, 802.11n, MCS10)



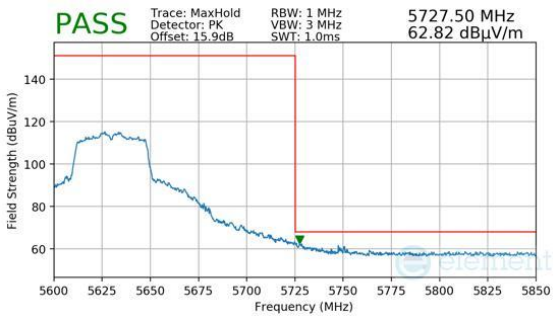
Plot 7-1958. CDD/SDM Diversity (Pk & Avg, Ch.118, 802.11n, MCS12)



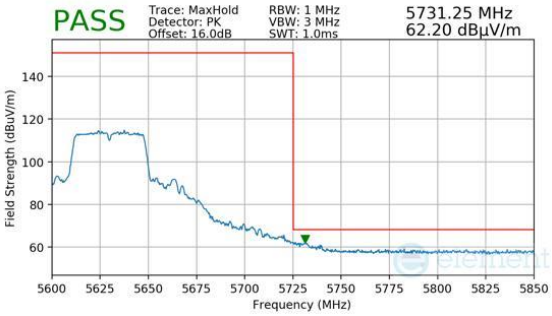
Plot 7-1959. CDD/SDM Diversity (Pk & Avg, Ch.118, 802.11n, MCS15)



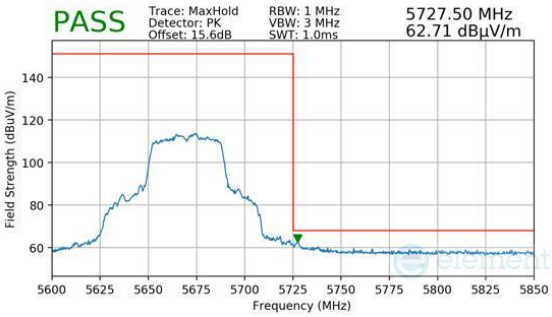
Plot 7-1960. CDD/SDM Diversity (Pk, Ch.126, 802.11n, MCS10)



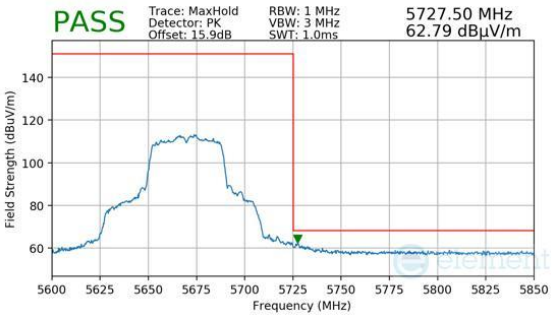
Plot 7-1961. CDD/SDM Diversity (Pk, Ch.126, 802.11n, MCS12)



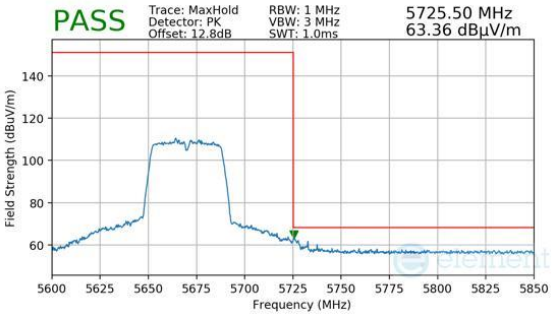
Plot 7-1962. CDD/SDM Diversity (Pk, Ch.126, 802.11n, MCS15)



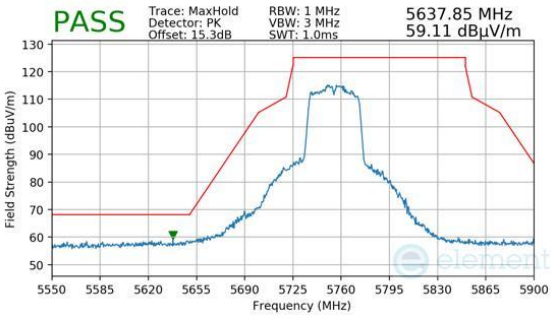
Plot 7-1963. CDD/SDM Diversity (Pk, Ch.134, 802.11n, MCS10)



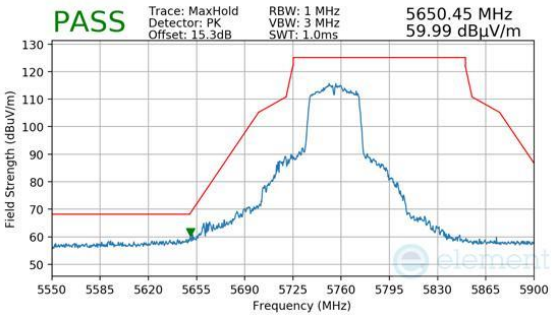
Plot 7-1964. CDD/SDM Diversity (Pk, Ch.134, 802.11n, MCS12)



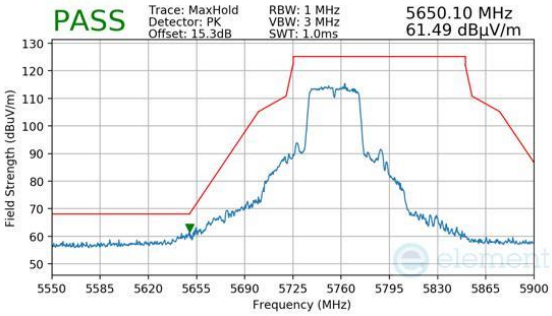
Plot 7-1965. CDD/SDM Diversity (Pk, Ch.134, 802.11n, MCS15)



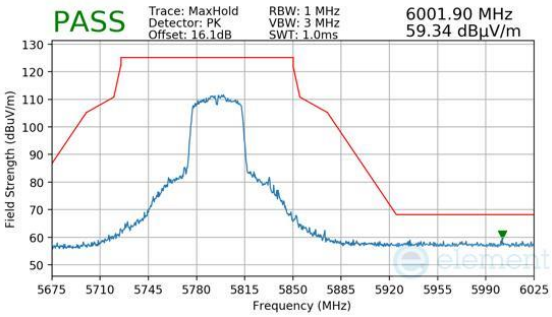
Plot 7-1966. CDD/SDM Diversity (Pk, Ch.151, 802.11n, MCS10)



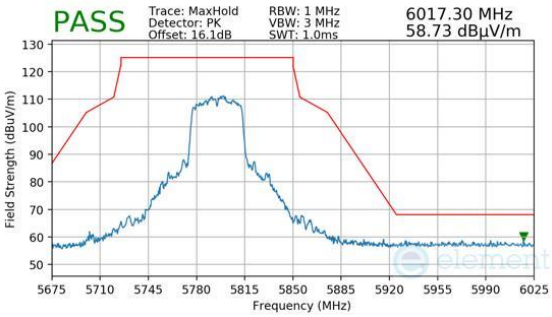
Plot 7-1967. CDD/SDM Diversity (Pk, Ch.151, 802.11n, MCS12)



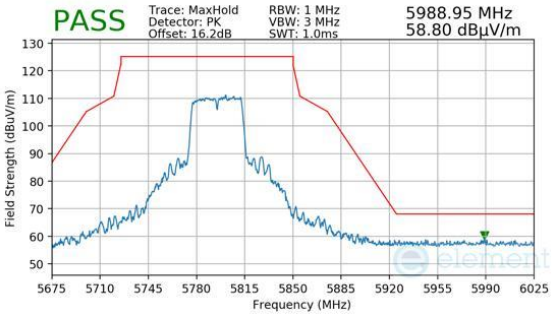
Plot 7-1968. CDD/SDM Diversity (Pk, Ch.151, 802.11n, MCS15)



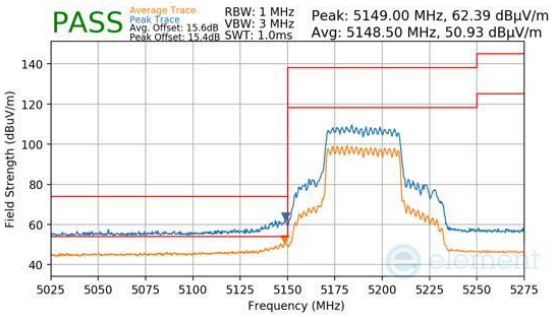
Plot 7-1969. CDD/SDM Diversity (Pk, Ch.159, 802.11n, MCS10)



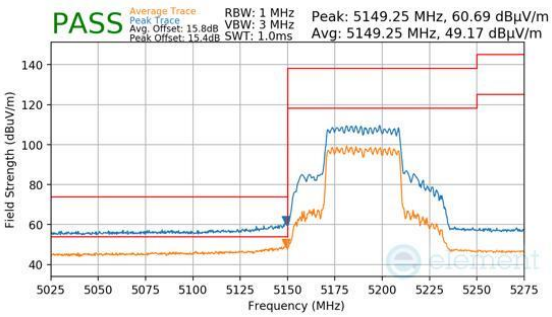
Plot 7-1970. CDD/SDM Diversity (Pk, Ch.159, 802.11n, MCS12)



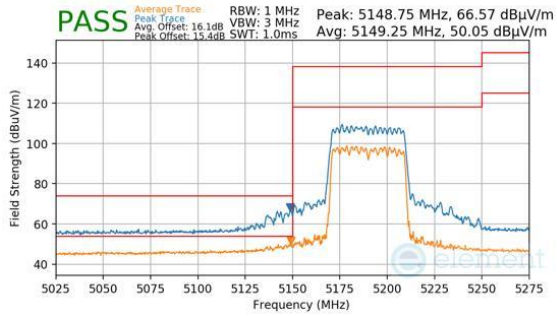
Plot 7-1971. CDD/SDM Diversity (Pk, Ch.159, 802.11n, MCS15)



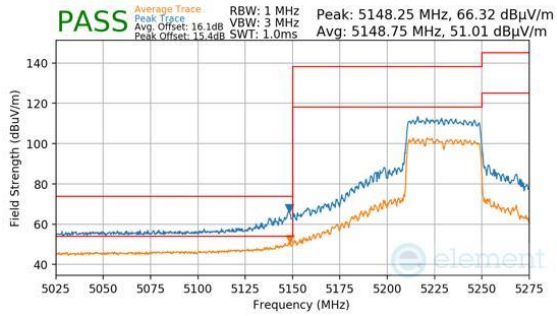
Plot 7-1972. CDD/SDM Diversity (Pk & Avg, Ch.38, 802.11ax(SU), MCS2)



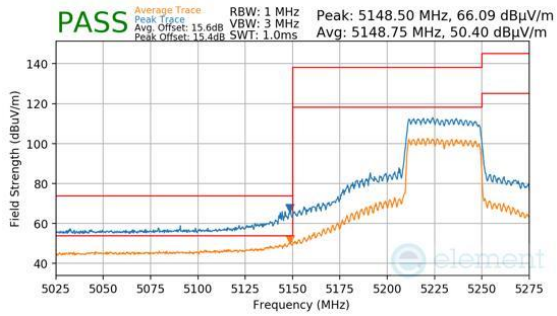
Plot 7-1973. CDD/SDM Diversity (Pk & Avg, Ch.38, 802.11ax(SU), MCS4)



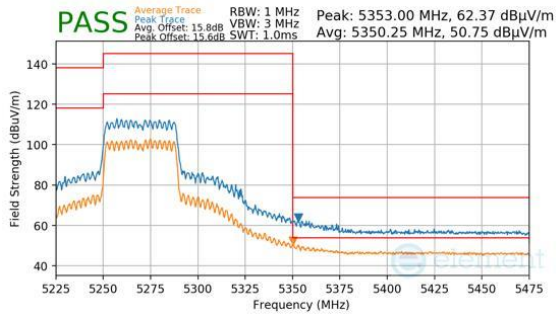
Plot 7-1974. CDD/SDM Diversity (Pk & Avg, Ch.38, 802.11ax(SU), MCS11)



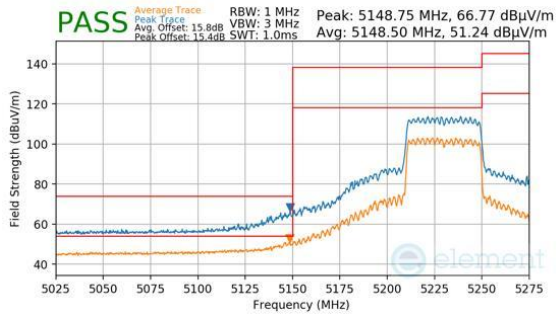
Plot 7-1977. CDD/SDM Diversity (Pk & Avg, Ch.46, 802.11ax(SU), MCS11)



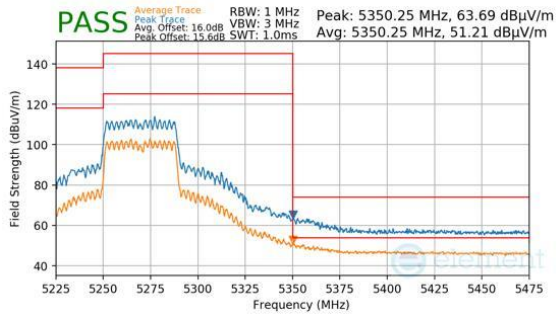
Plot 7-1975. CDD/SDM Diversity (Pk & Avg, Ch.46, 802.11ax(SU), MCS2)



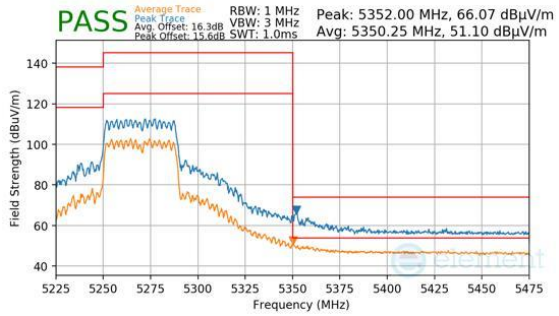
Plot 7-1978. CDD/SDM Diversity (Pk & Avg, Ch.54, 802.11ax(SU), MCS2)



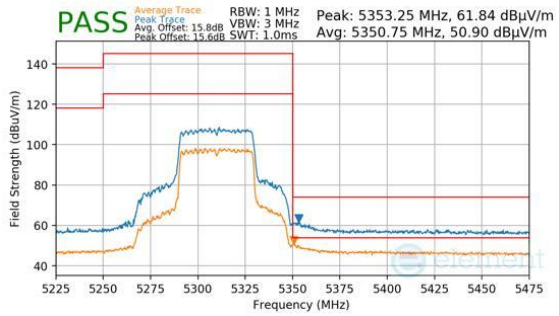
Plot 7-1976. CDD/SDM Diversity (Pk & Avg, Ch.46, 802.11ax(SU), MCS4)



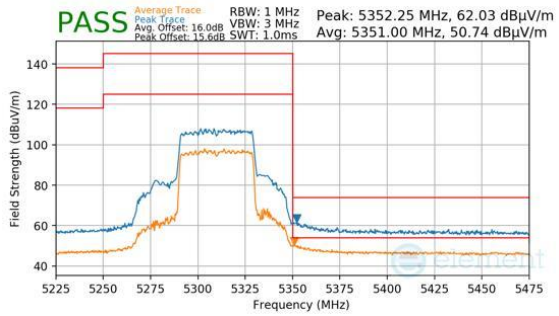
Plot 7-1979. CDD/SDM Diversity (Pk & Avg, Ch.54, 802.11ax(SU), MCS4)



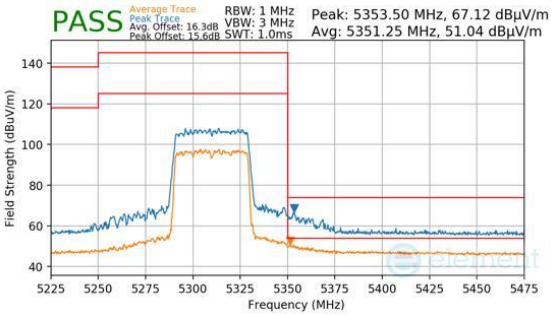
Plot 7-1980. CDD/SDM Diversity (Pk & Avg, Ch.54, 802.11ax(SU), MCS11)



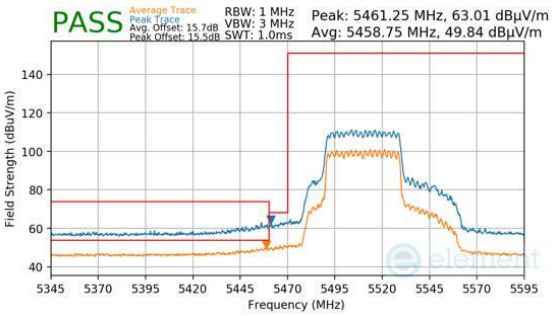
Plot 7-1981. CDD/SDM Diversity (Pk & Avg, Ch.62, 802.11ax(SU), MCS2)



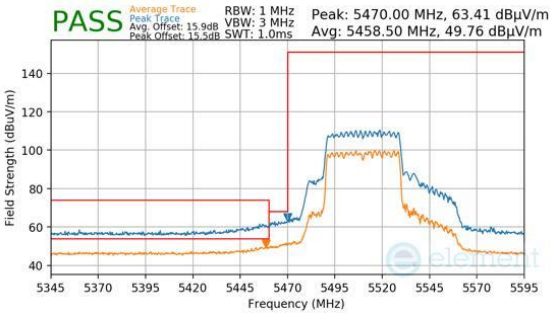
Plot 7-1982. CDD/SDM Diversity (Pk & Avg, Ch.62, 802.11ax(SU), MCS4)



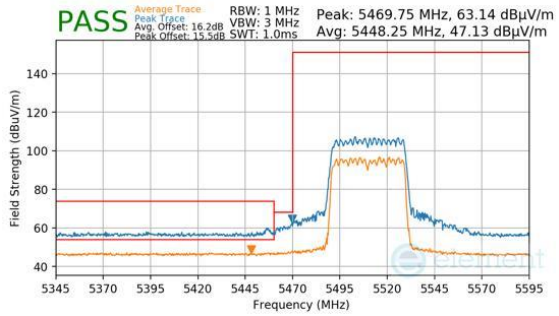
Plot 7-1983. CDD/SDM Diversity (Pk & Avg, Ch.62, 802.11ax(SU), MCS11)



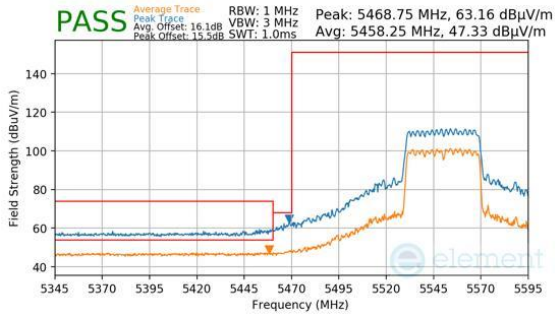
Plot 7-1984. CDD/SDM Diversity (Pk & Avg, Ch.102, 802.11ax(SU), MCS2)



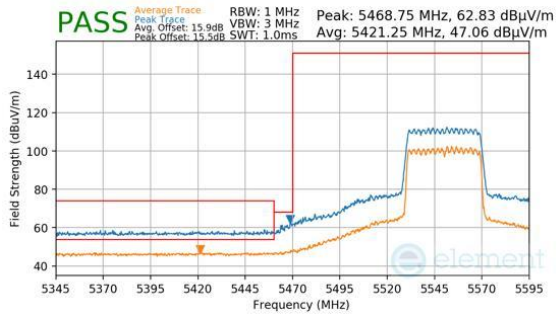
Plot 7-1985. CDD/SDM Diversity (Pk & Avg, Ch.102, 802.11ax(SU), MCS4)



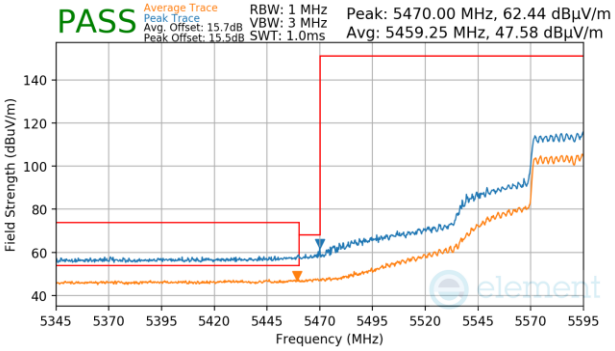
Plot 7-1986. CDD/SDM Diversity (Pk & Avg, Ch.102, 802.11ax(SU), MCS11)



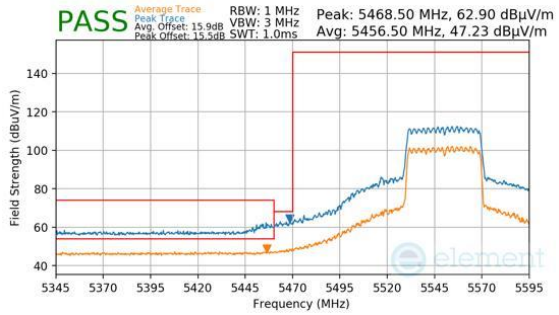
Plot 7-1989. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11ax(SU), MCS11)



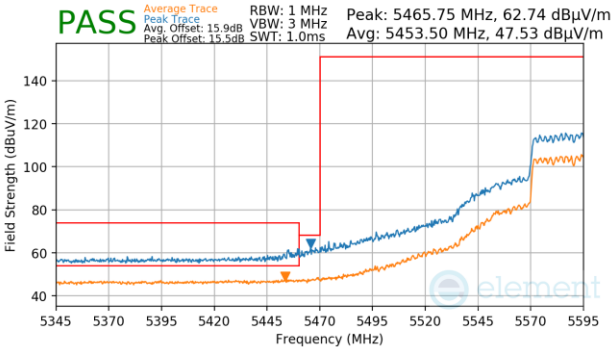
Plot 7-1987. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11ax(SU), MCS2)



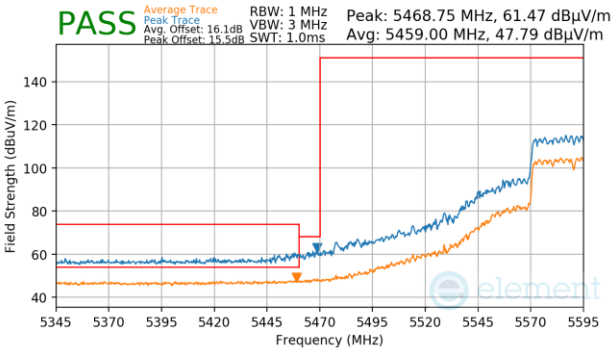
Plot 7-1990. CDD/SDM Diversity (Pk & Avg, Ch.118, 802.11ax(SU), MCS2)



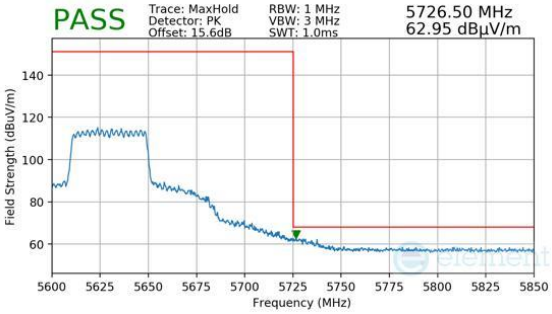
Plot 7-1988. CDD/SDM Diversity (Pk & Avg, Ch.110, 802.11ax(SU), MCS4)



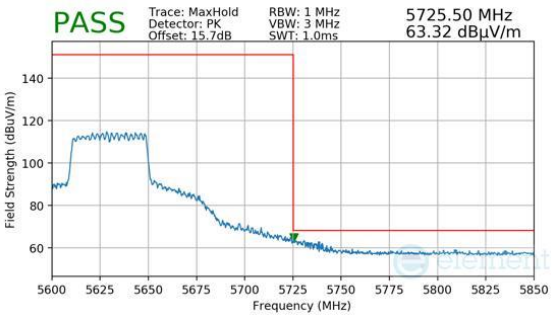
Plot 7-1991. CDD/SDM Diversity (Pk & Avg, Ch.118, 802.11ax(SU), MCS4)



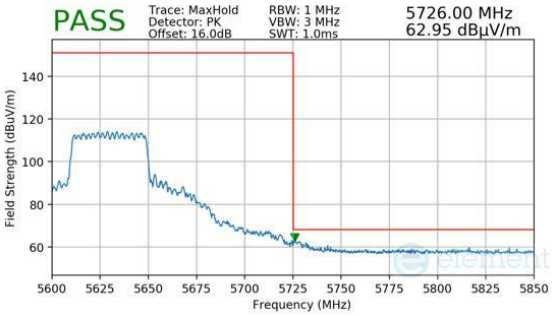
Plot 7-1992. CDD/SDM Diversity (Pk & Avg, Ch.118, 802.11ax(SU), MCS11)



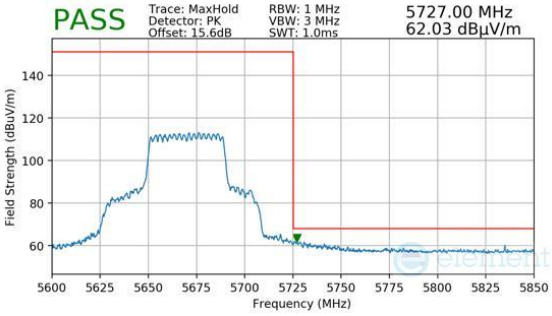
Plot 7-1993. CDD/SDM Diversity (Pk, Ch.126, 802.11ax(SU), MCS2)



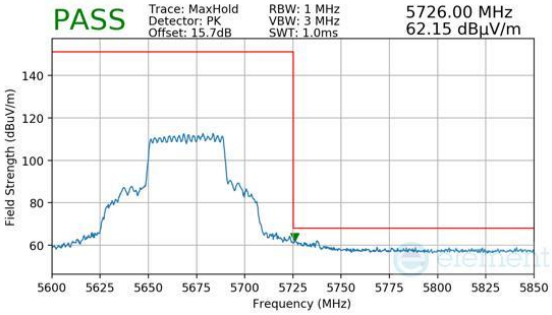
Plot 7-1994. CDD/SDM Diversity (Pk, Ch.126, 802.11ax(SU), MCS4)



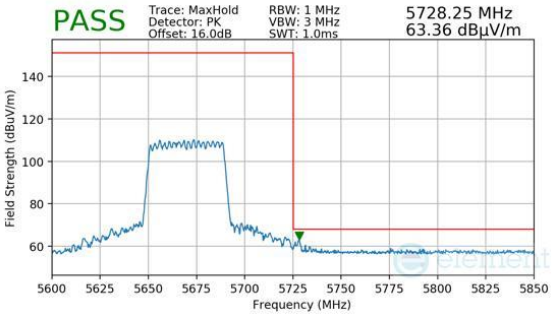
Plot 7-1995. CDD/SDM Diversity (Pk, Ch.126, 802.11ax(SU), MCS11)



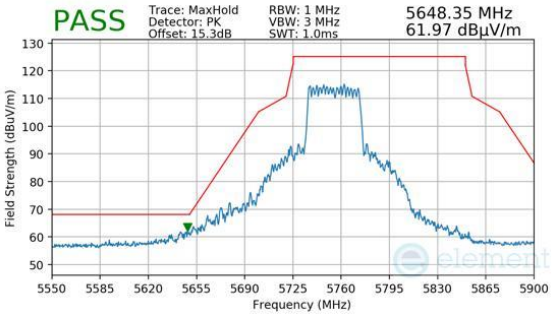
Plot 7-1996. CDD/SDM Diversity (Pk, Ch.134, 802.11ax(SU), MCS2)



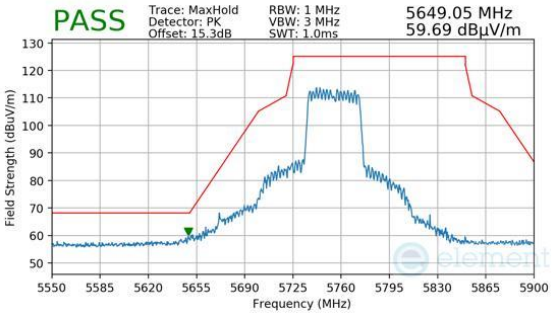
Plot 7-1997. CDD/SDM Diversity (Pk, Ch.134, 802.11ax(SU), MCS4)



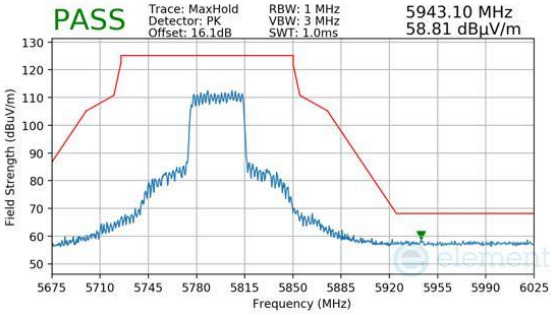
Plot 7-1998. CDD/SDM Diversity (Pk, Ch.134, 802.11ax(SU), MCS11)



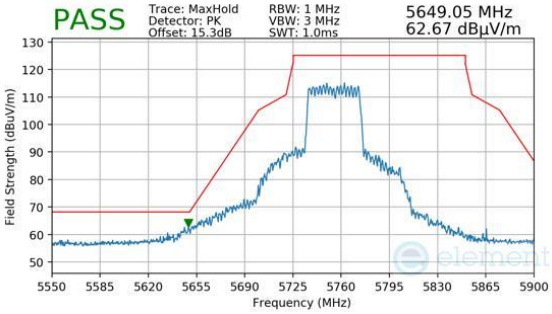
Plot 7-2001. CDD/SDM Diversity (Pk, Ch.151, 802.11ax(SU), MCS11)



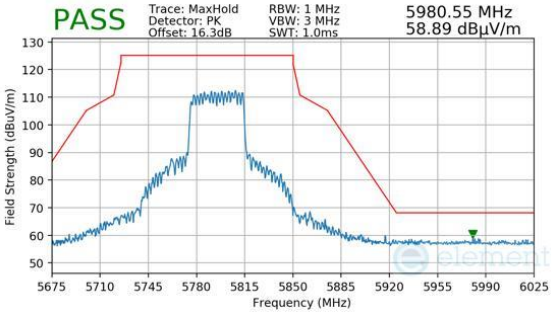
Plot 7-1999. CDD/SDM Diversity (Pk, Ch.151, 802.11ax(SU), MCS2)



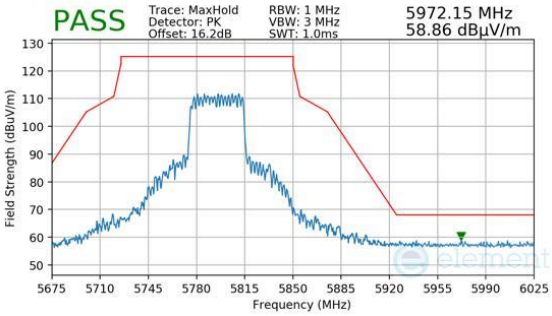
Plot 7-2002. CDD/SDM Diversity (Pk, Ch.159, 802.11ax(SU), MCS2)



Plot 7-2000. CDD/SDM Diversity (Pk, Ch.151, 802.11ax(SU), MCS4)



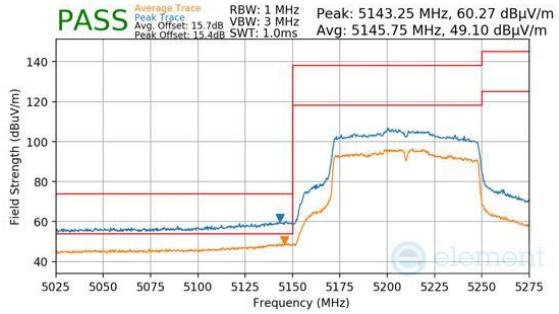
Plot 7-2003. CDD/SDM Diversity (Pk, Ch.159, 802.11ax(SU), MCS4)



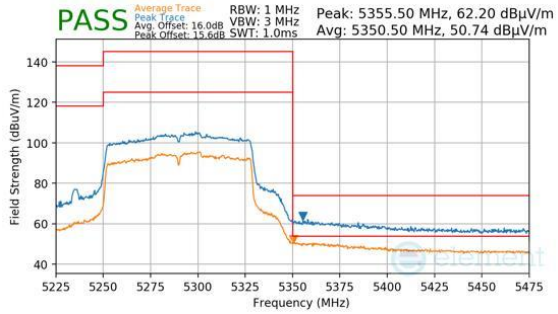
Plot 7-2004. CDD/SDM Diversity (Pk, Ch.159, 802.11ax(SU), MCS11)

7.6.25 CDD/SDM Diversity Radiated Band Edge Measurements (80MHz BW)

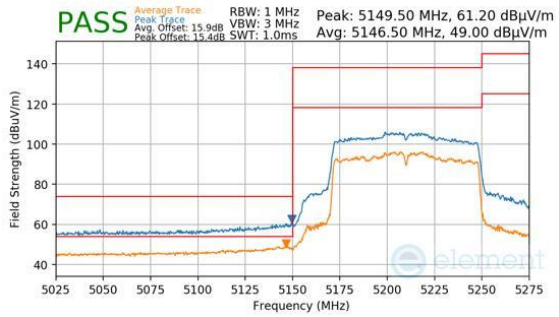
§15.407(B.1)(B.2) §15.205 §15.209; RSS-Gen [8.9]



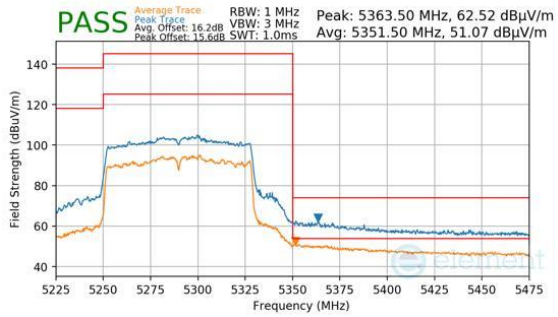
Plot 7-2005. CDD/SDM Diversity (Pk & Avg, Ch.42, 802.11ac, MCS2)



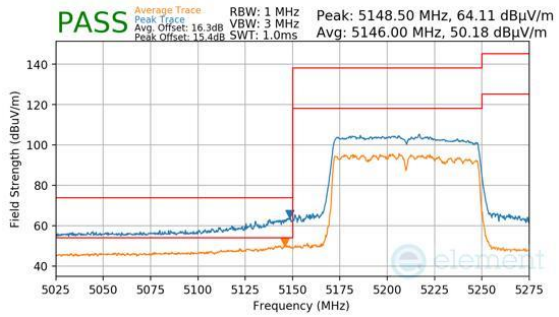
Plot 7-2008. CDD/SDM Diversity (Pk & Avg, Ch.58, 802.11ac, MCS2)



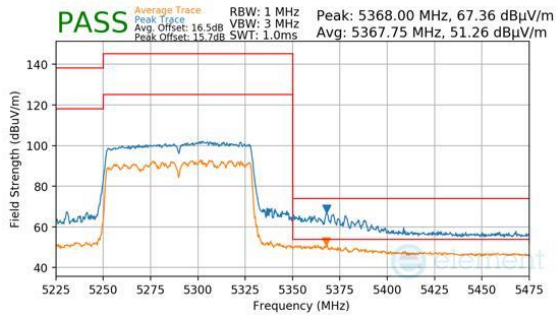
Plot 7-2006. CDD/SDM Diversity (Pk & Avg, Ch.42, 802.11ac, MCS4)



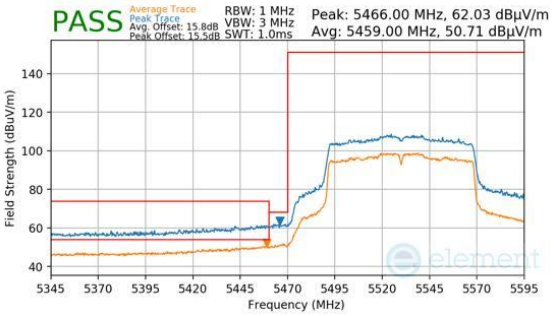
Plot 7-2009. CDD/SDM Diversity (Pk & Avg, Ch.58, 802.11ac, MCS4)



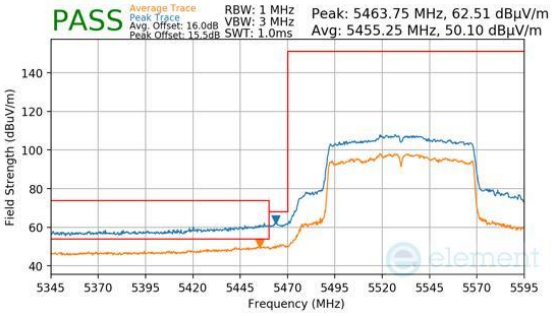
Plot 7-2007. CDD/SDM Diversity (Pk & Avg, Ch.42, 802.11ac, MCS9)



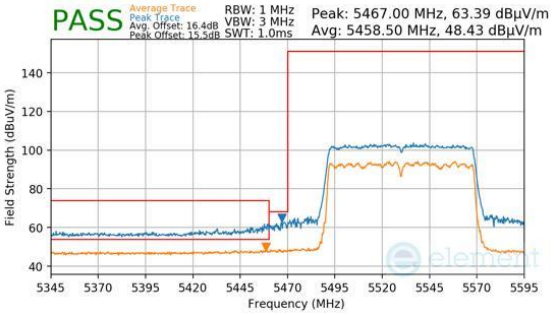
Plot 7-2010. CDD/SDM Diversity (Pk & Avg, Ch.58, 802.11ac, MCS9)



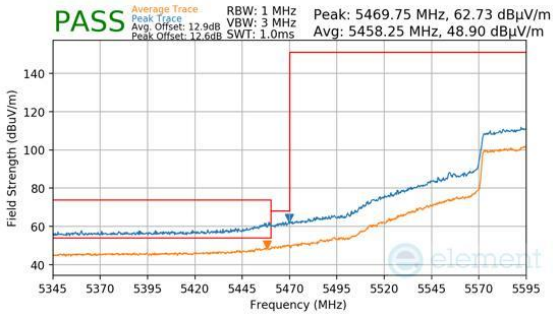
Plot 7-2011. CDD/SDM Diversity (Pk & Avg, Ch.106, 802.11ac, MCS2)



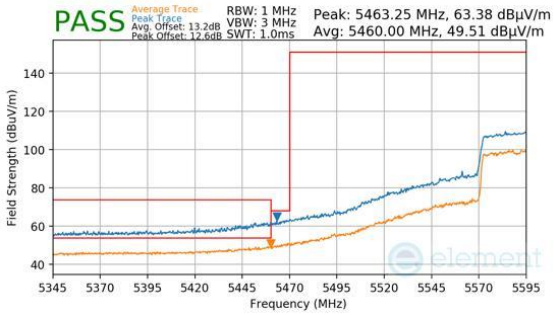
Plot 7-2012. CDD/SDM Diversity (Pk & Avg, Ch.106, 802.11ac, MCS4)



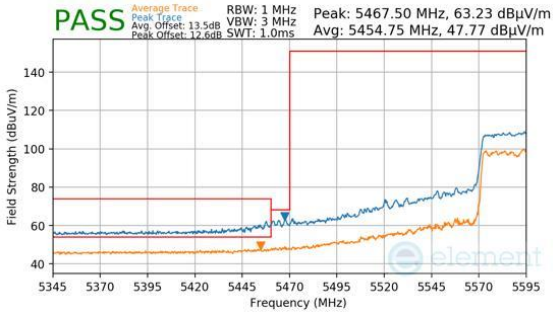
Plot 7-2013. CDD/SDM Diversity (Pk & Avg, Ch.106, 802.11ac, MCS9)



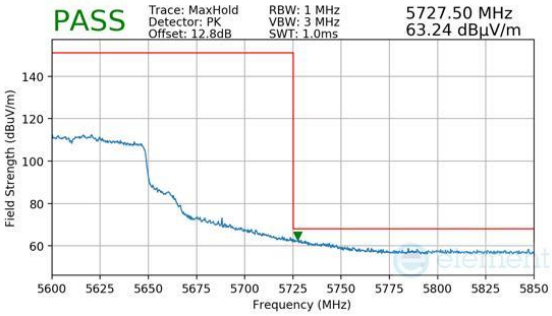
Plot 7-2014. CDD/SDM Diversity (Pk & Avg, Ch.122, 802.11ac, MCS2)



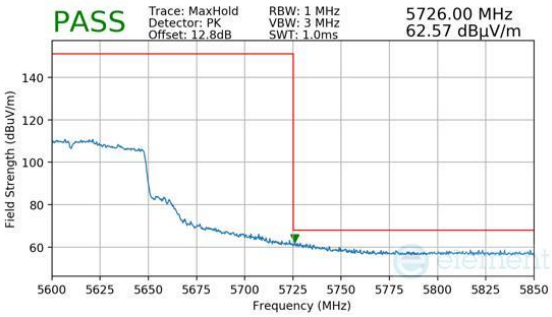
Plot 7-2015. CDD/SDM Diversity (Pk & Avg, Ch.122, 802.11ac, MCS4)



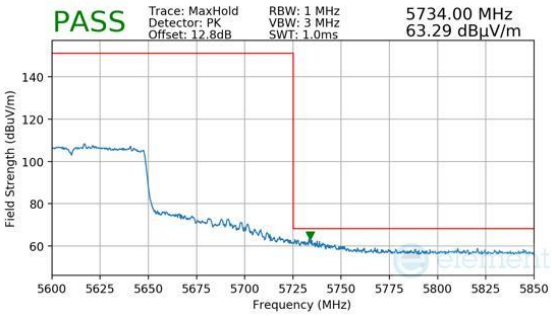
Plot 7-2016. CDD/SDM Diversity (Pk & Avg, Ch.122, 802.11ac, MCS9)



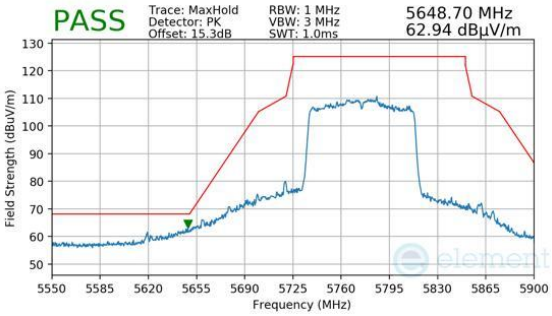
Plot 7-2017. CDD/SDM Diversity (Pk, Ch.122, 802.11ac, MCS2)



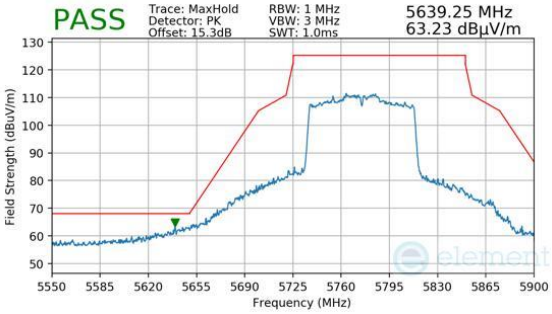
Plot 7-2018. CDD/SDM Diversity (Pk, Ch.122, 802.11ac, MCS4)



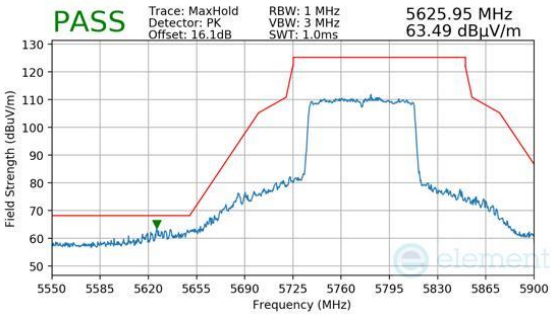
Plot 7-2019. CDD/SDM Diversity (Pk, Ch.122, 802.11ac, MCS9)



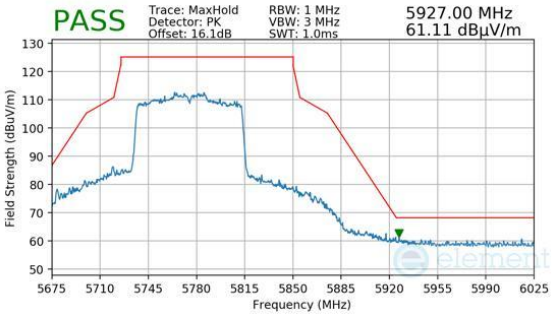
Plot 7-2020. CDD/SDM Diversity (Pk, Ch.155, 802.11ac, MCS2)



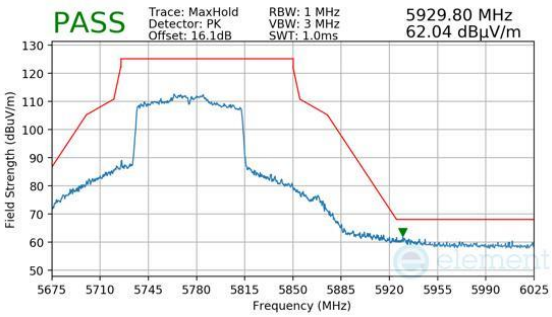
Plot 7-2021. CDD/SDM Diversity (Pk, Ch.155, 802.11ac, MCS4)



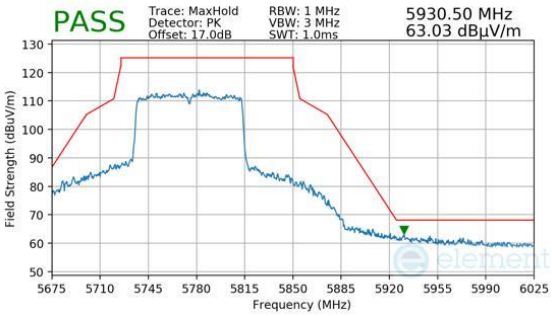
Plot 7-2022. CDD/SDM Diversity (Pk, Ch.155, 802.11ac, MCS9)



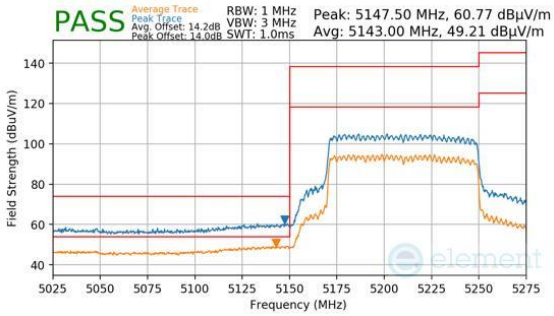
Plot 7-2023. CDD/SDM Diversity (Pk, Ch.155, 802.11ac, MCS2)



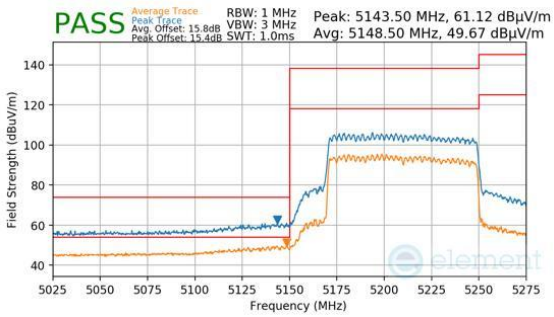
Plot 7-2024. CDD/SDM Diversity (Pk, Ch.155, 802.11ac, MCS4)



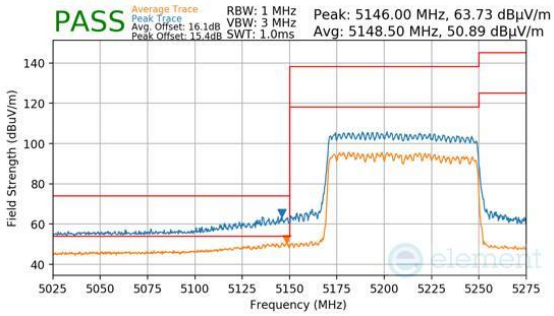
Plot 7-2025. CDD/SDM Diversity (Pk, Ch.155, 802.11ac, MCS9)



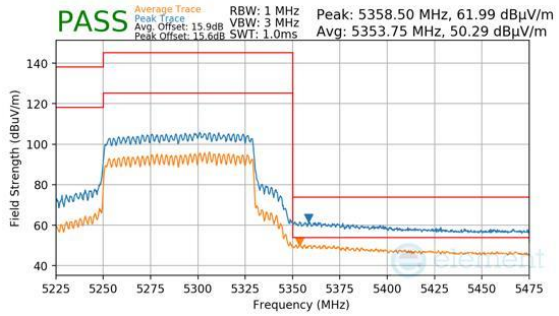
Plot 7-2026. CDD/SDM Diversity (Pk & Avg, Ch.42, 802.11ax(SU), MCS2)



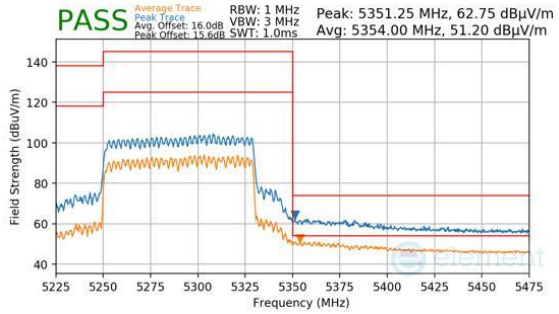
Plot 7-2027. CDD/SDM Diversity (Pk & Avg, Ch.42, 802.11ax(SU), MCS4)



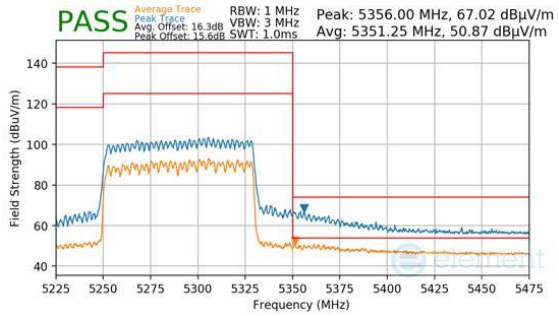
Plot 7-2028. CDD/SDM Diversity (Pk & Avg, Ch.42, 802.11ax(SU), MCS11)



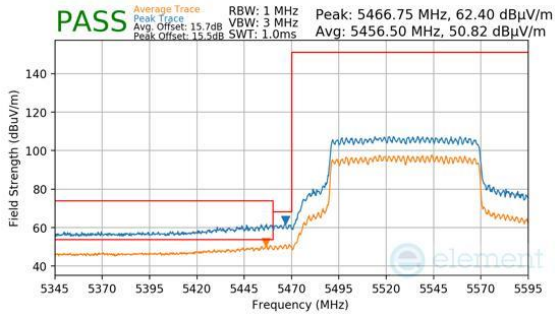
Plot 7-2029. CDD/SDM Diversity (Pk & Avg, Ch.58, 802.11ax(SU), MCS2)



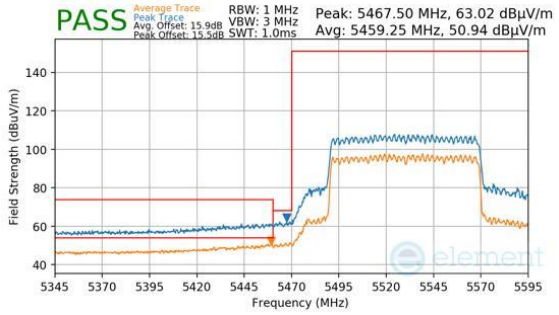
Plot 7-2030. CDD/SDM Diversity (Pk & Avg, Ch.58, 802.11ax(SU), MCS4)



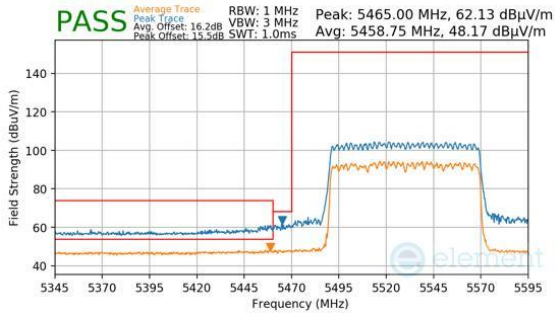
Plot 7-2031. CDD/SDM Diversity (Pk & Avg, Ch.58, 802.11ax(SU), MCS11)



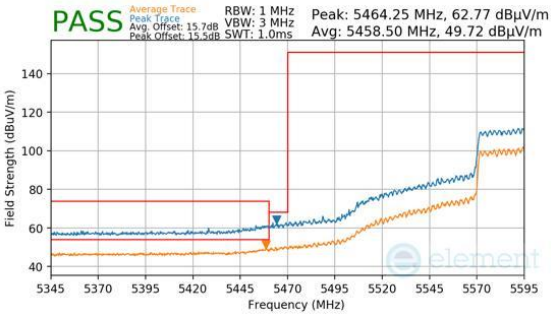
Plot 7-2032. CDD/SDM Diversity (Pk & Avg, Ch.106, 802.11ax(SU), MCS2)



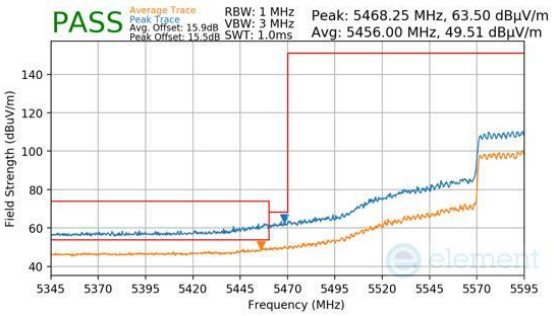
Plot 7-2033. CDD/SDM Diversity (Pk & Avg, Ch.106, 802.11ax(SU), MCS4)



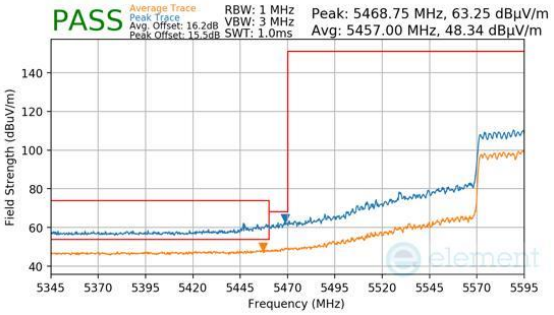
Plot 7-2034. CDD/SDM Diversity (Pk & Avg, Ch.106, 802.11ax(SU), MCS11)



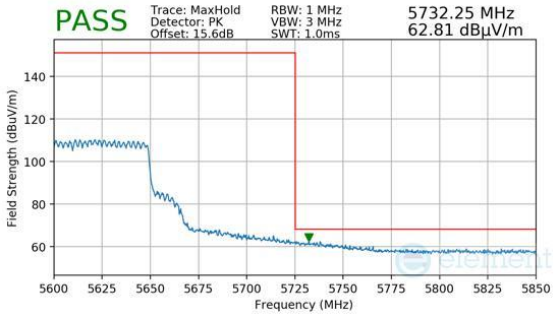
Plot 7-2035. CDD/SDM Diversity (Pk & Avg, Ch.122, 802.11ax(SU), MCS2)



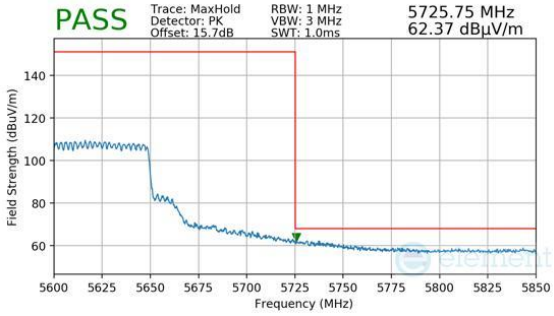
Plot 7-2036. CDD/SDM Diversity (Pk & Avg, Ch.122, 802.11ax(SU), MCS4)



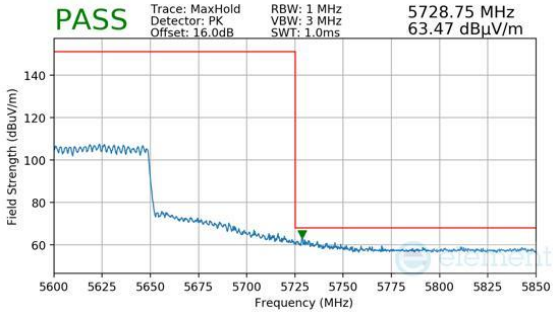
Plot 7-2037. CDD/SDM Diversity (Pk & Avg, Ch.122, 802.11ax(SU), MCS11)



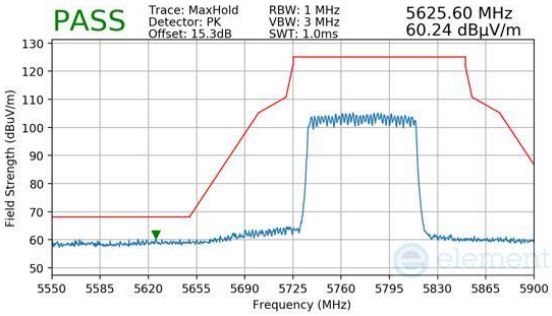
Plot 7-2038. CDD/SDM Diversity (Pk, Ch.122, 802.11ax(SU), MCS2)



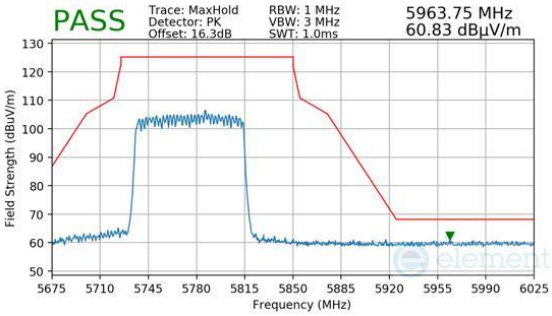
Plot 7-2039. CDD/SDM Diversity (Pk, Ch.122, 802.11ax(SU), MCS4)



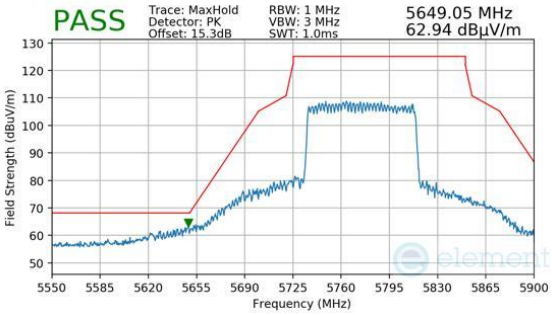
Plot 7-2040. CDD/SDM Diversity (Pk, Ch.122, 802.11ax(SU), MCS11)



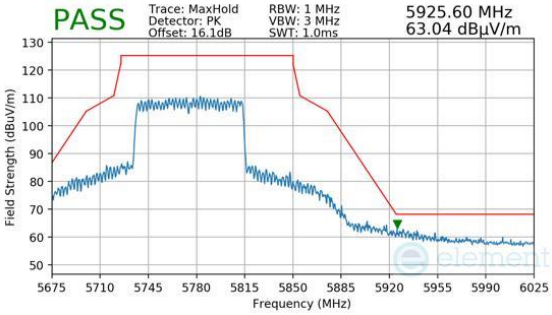
Plot 7-2041. CDD/SDM Diversity (Pk, Ch.155, 802.11ax(SU), MCS2)



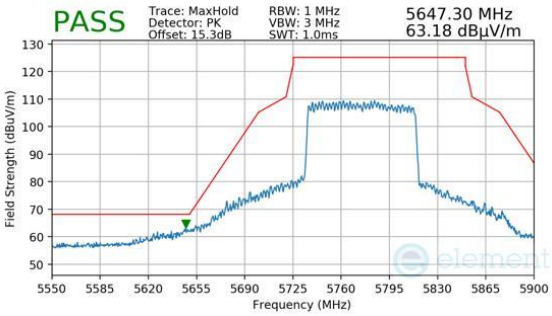
Plot 7-2044. CDD/SDM Diversity (Pk, Ch.155, 802.11ax(SU), MCS2)



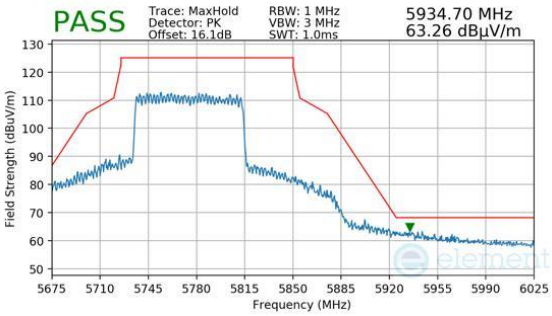
Plot 7-2042. CDD/SDM Diversity (Pk, Ch.155, 802.11ax(SU), MCS4)



Plot 7-2045. CDD/SDM Diversity (Pk, Ch.155, 802.11ax(SU), MCS4)



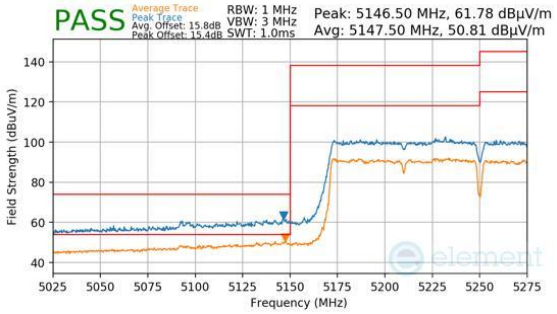
Plot 7-2043. CDD/SDM Diversity (Pk, Ch.155, 802.11ax(SU), MCS11)



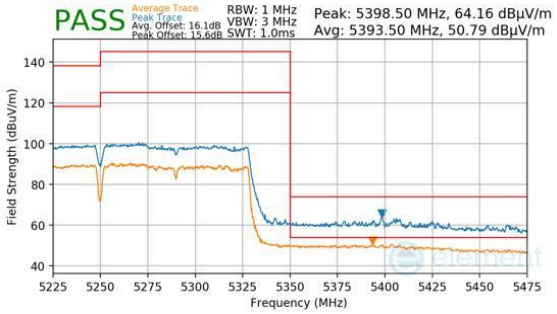
Plot 7-2046. CDD/SDM Diversity (Pk, Ch.155, 802.11ax(SU), MCS11)

7.6.26 CDD/SDM Diversity Radiated Band Edge Measurements (160MHz BW)

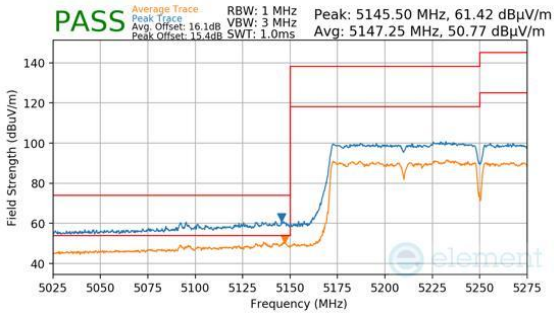
§15.407(B.1)(B.2) §15.205 §15.209; RSS-Gen [8.9]



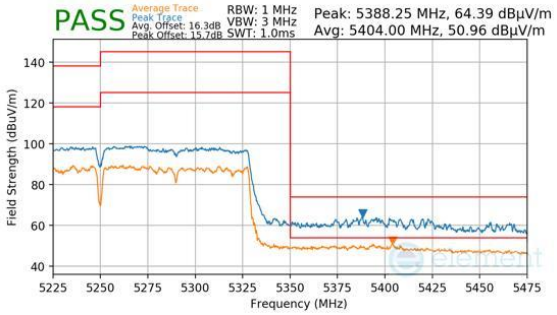
Plot 7-2047. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ac, MCS2)



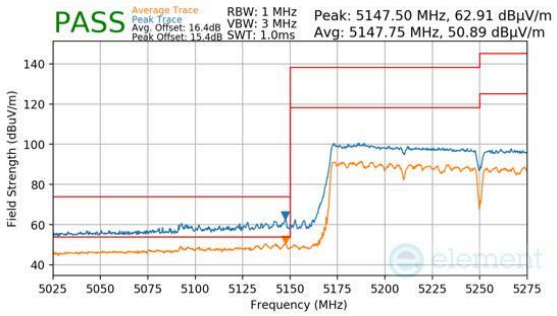
Plot 7-2050. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ac, MCS2)



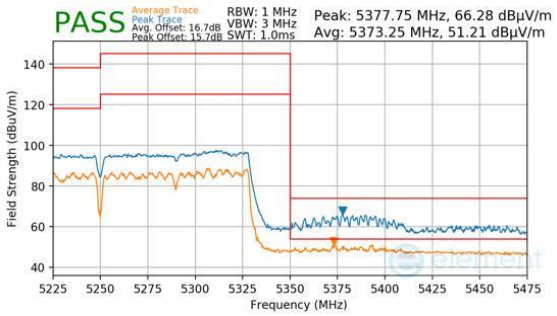
Plot 7-2048. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ac, MCS4)



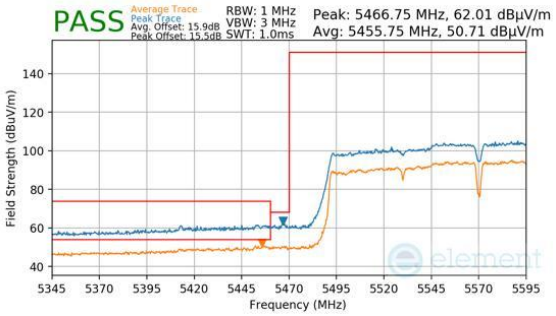
Plot 7-2051. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ac, MCS4)



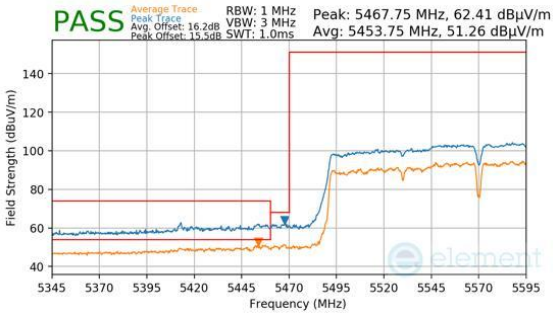
Plot 7-2049. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ac, MCS9)



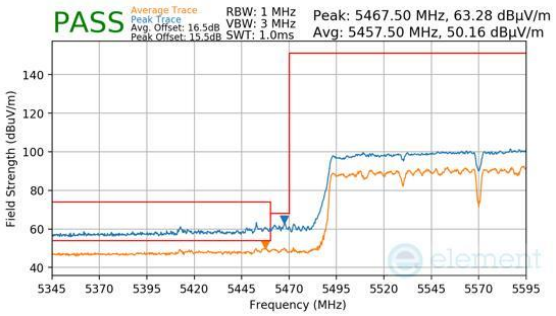
Plot 7-2052. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ac, MCS9)



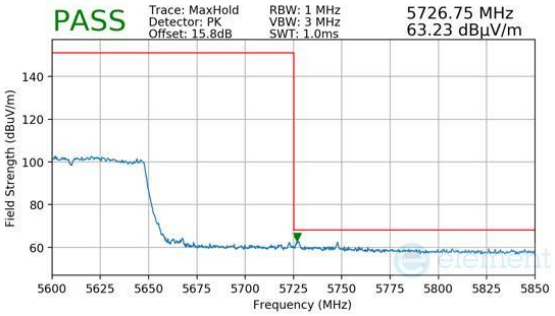
Plot 7-2053. CDD/SDM Diversity (Pk & Avg, Ch.114, 802.11ac, MCS2)



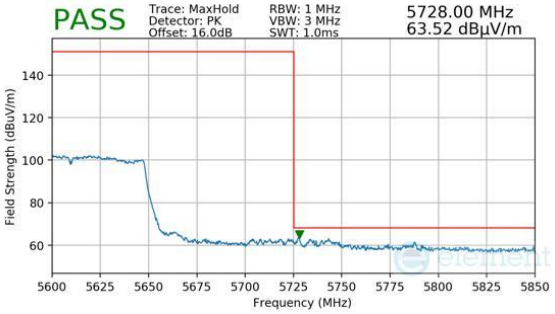
Plot 7-2054. CDD/SDM Diversity (Pk & Avg, Ch.114, 802.11ac, MCS4)



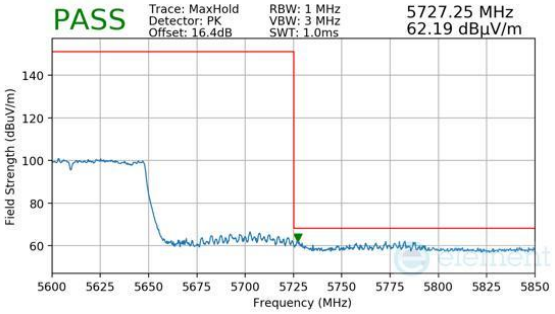
Plot 7-2055. CDD/SDM Diversity (Pk & Avg, Ch.114, 802.11ac, MCS9)



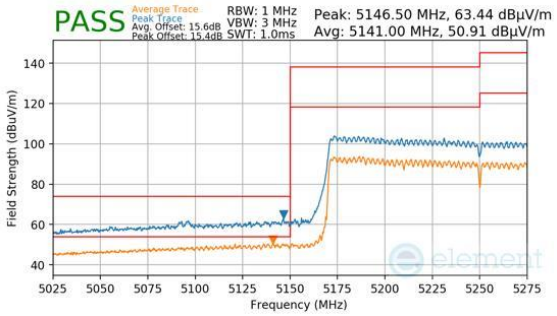
Plot 7-2056. CDD/SDM Diversity (Pk, Ch.114, 802.11ac, MCS2)



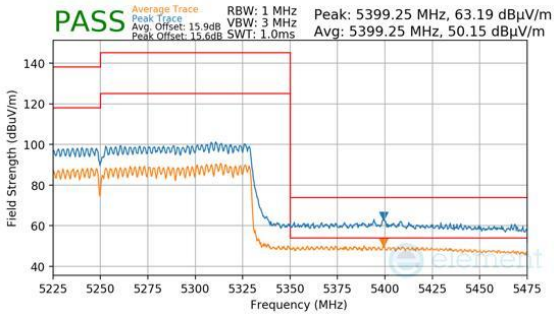
Plot 7-2057. CDD/SDM Diversity (Pk, Ch.114, 802.11ac, MCS4)



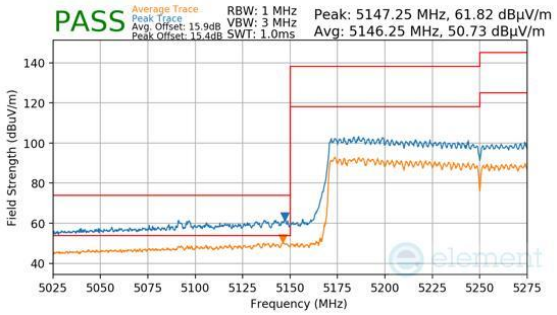
Plot 7-2058. CDD/SDM Diversity (Pk, Ch.114, 802.11ac, MCS9)



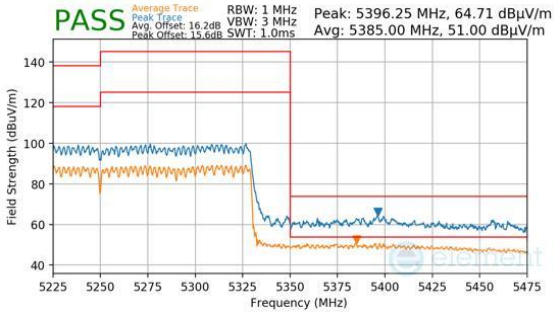
Plot 7-2059. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ax(SU), MCS2)



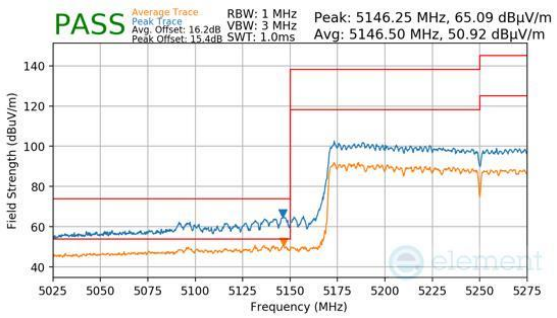
Plot 7-2062. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ax(SU), MCS2)



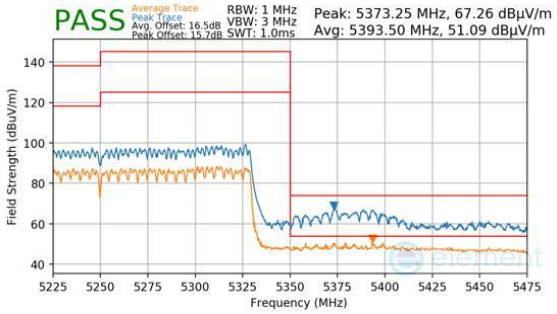
Plot 7-2060. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ax(SU), MCS4)



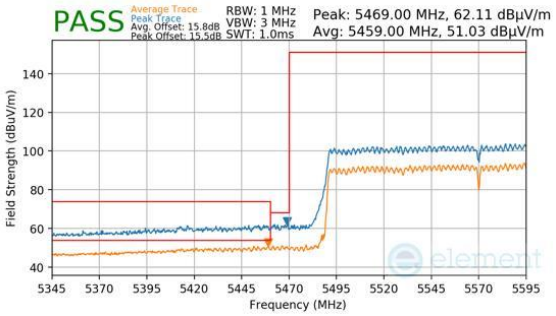
Plot 7-2063. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ax(SU), MCS4)



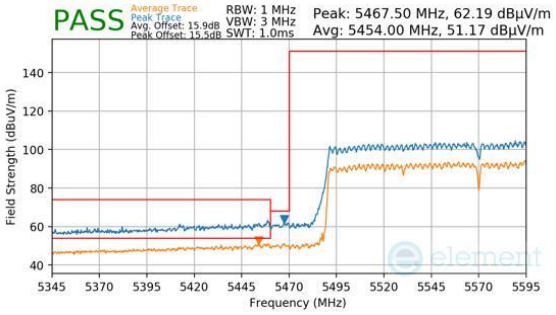
Plot 7-2061. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ax(SU), MCS11)



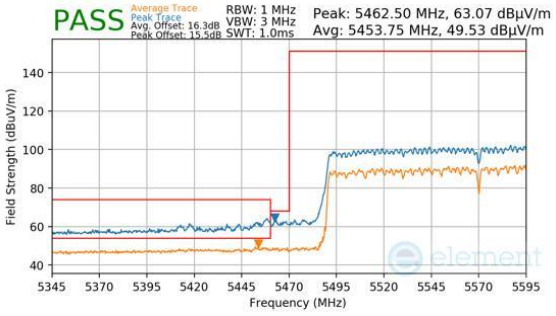
Plot 7-2064. CDD/SDM Diversity (Pk & Avg, Ch.50, 802.11ax(SU), MCS11)



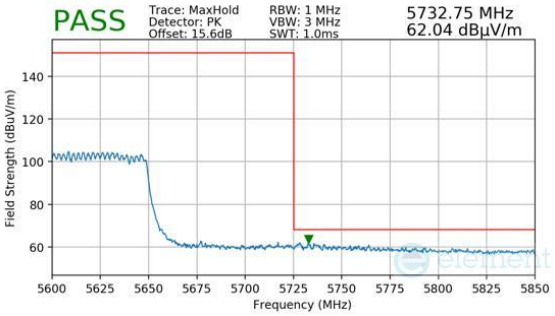
Plot 7-2065. CDD/SDM Diversity (Pk & Avg, Ch.114, 802.11ax(SU), MCS2)



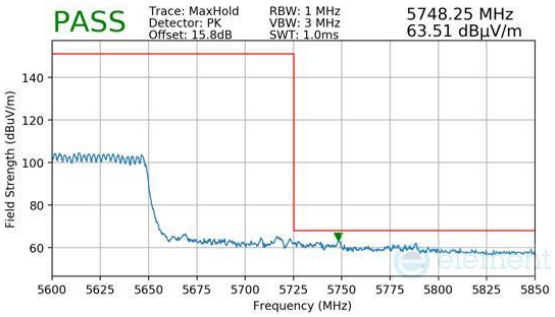
Plot 7-2066. CDD/SDM Diversity (Pk & Avg, Ch.114, 802.11ax(SU), MCS4)



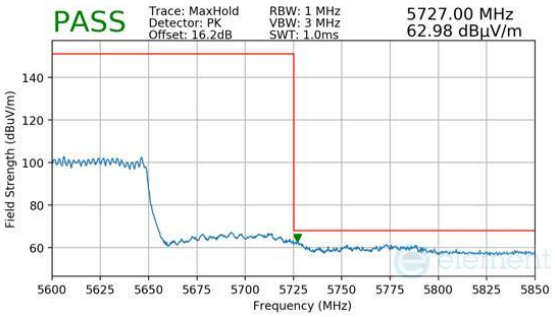
Plot 7-2067. CDD/SDM Diversity (Pk & Avg, Ch.114, 802.11ax(SU), MCS11)



Plot 7-2068. CDD/SDM Diversity (Pk, Ch.114, 802.11ax(SU), MCS2)



Plot 7-2069. CDD/SDM Diversity (Pk, Ch.114, 802.11ax(SU), MCS4)



Plot 7-2070. CDD/SDM Diversity (Pk, Ch.114, 802.11ax(SU), MCS11)

7.7 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-370 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [µV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-370. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = quasi-peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagrams below.

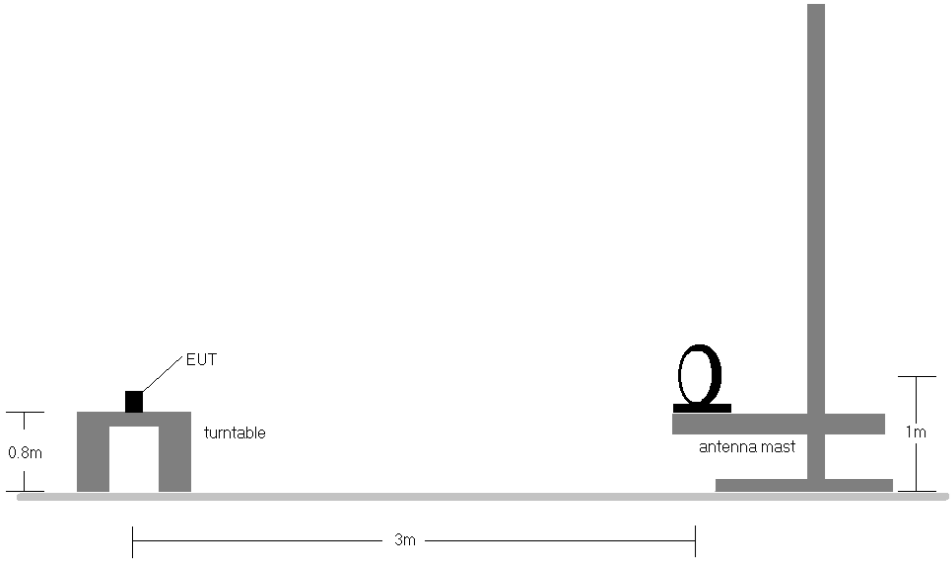


Figure 7-6. Radiated Test Setup < 30MHz

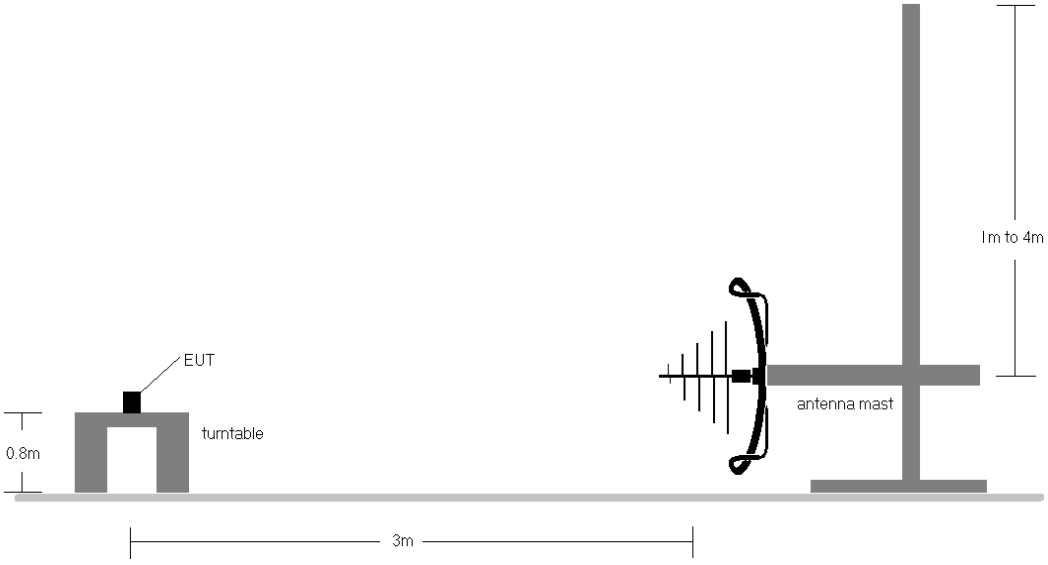


Figure 7-7. Radiated Test Setup < 1GHz

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-370.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector on emissions that were within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
    b. EUT powered by host PC via USB-C cable with wire charger
10. All antenna configurations were investigated and only the worst case is reported.
11. The unit was tested with all possible modes and only the highest emission is reported.

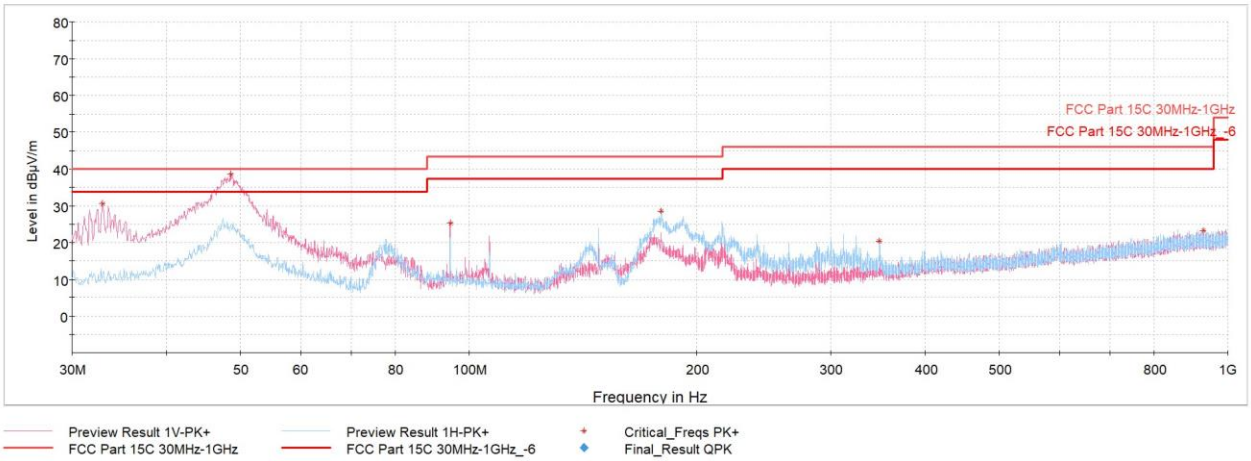
Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]}$ = Analyzer Level $_{[dBm]}$ + 107 + AFCL $_{[dB/m]}$
- AFCL $_{[dB/m]}$ = Antenna Factor $_{[dB/m]}$ + Cable Loss $_{[dB]}$ - Preamp Gain $_{[dB]}$
- Margin $_{[dB]}$ = Field Strength Level $_{[dB\mu V/m]}$ – Limit $_{[dB\mu V/m]}$

SDM Primary Radiated Spurious Emissions Measurements (Below 1GHz)

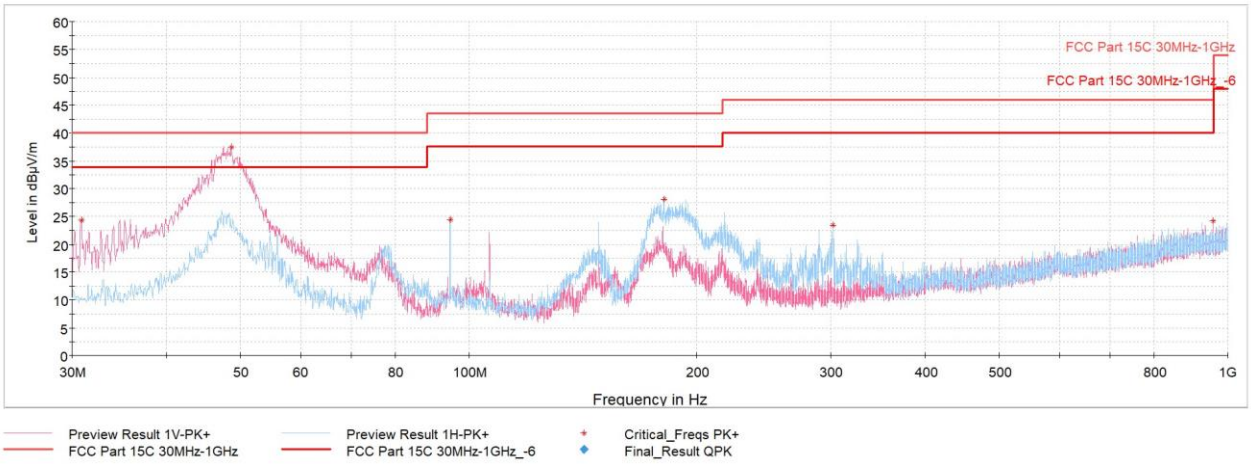
§15.209; RSS-Gen [8.9]



Plot 7-2071. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11n, Ch.36 with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
32.91	Max-Peak	V	100	196	-60.63	-15.80	30.57	40.00	-9.43
48.62	Quasi-Peak	V	105	328	-58.38	-12.59	36.03	40.00	-3.97
94.51	Max-Peak	V	100	172	-64.93	-16.91	25.16	43.52	-18.36
179.48	Max-Peak	H	200	192	-60.04	-18.36	28.60	43.52	-14.92
347.77	Max-Peak	H	100	342	-74.18	-12.47	20.35	46.02	-25.67
929.43	Max-Peak	H	100	38	-80.69	-3.03	23.28	46.02	-22.74

Table 7-371. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11n, Ch.36 with AC/DC Adapter



Plot 7-2072. Radiated Spurious Emissions below 1GHz CDD Primary, 802.11ax (SU), Ch.36 with AC/DC Adapter

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
30.87	Max-Peak	V	100	276	-67.20	-15.53	24.27	40.00	-15.73
48.67	Quasi-Peak	V	104	326	-58.61	-12.59	35.80	40.00	-4.20
94.51	Max-Peak	V	100	196	-65.63	-16.91	24.46	43.52	-19.06
181.08	Max-Peak	H	200	189	-60.68	-18.27	28.05	43.52	-15.47
301.99	Max-Peak	H	100	345	-69.40	-14.15	23.45	46.02	-22.57
956.11	Max-Peak	V	200	342	-79.93	-2.96	24.11	46.02	-21.91

Table 7-372. Radiated Spurious Emissions below 1GHz, 802.11ax (SU) CDD Primary, Ch.36 with AC/DC Adapter