

Fig.37 Occupied 26dB Bandwidth (802. 11n-HT40, 5670MHz)

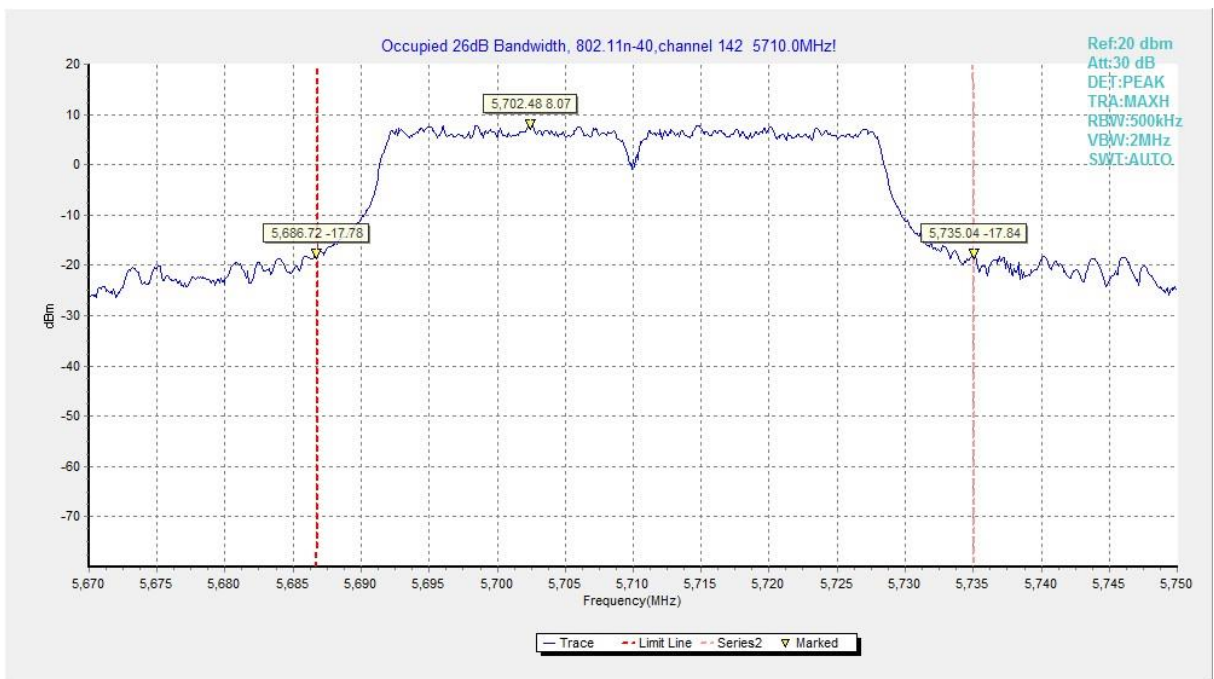


Fig.38 Occupied 26dB Bandwidth (802. 11n-HT40, 5710MHz)

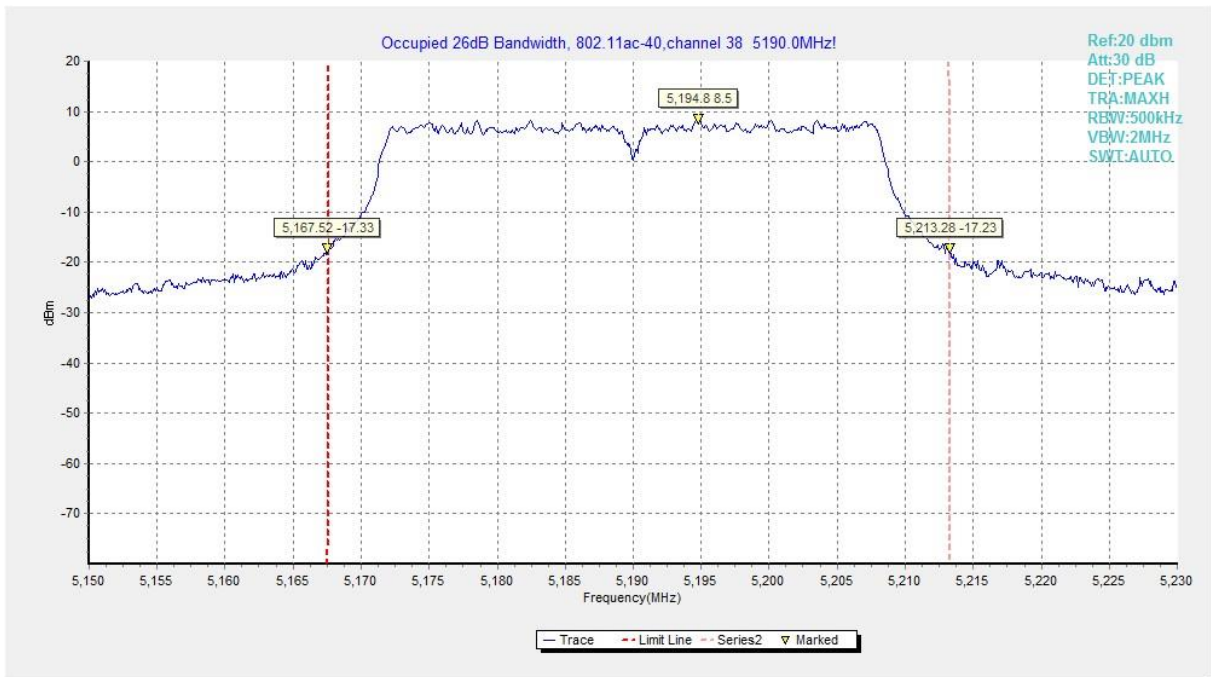


Fig.39 Occupied 26dB Bandwidth (802.11ac-HT40, 5190MHz)

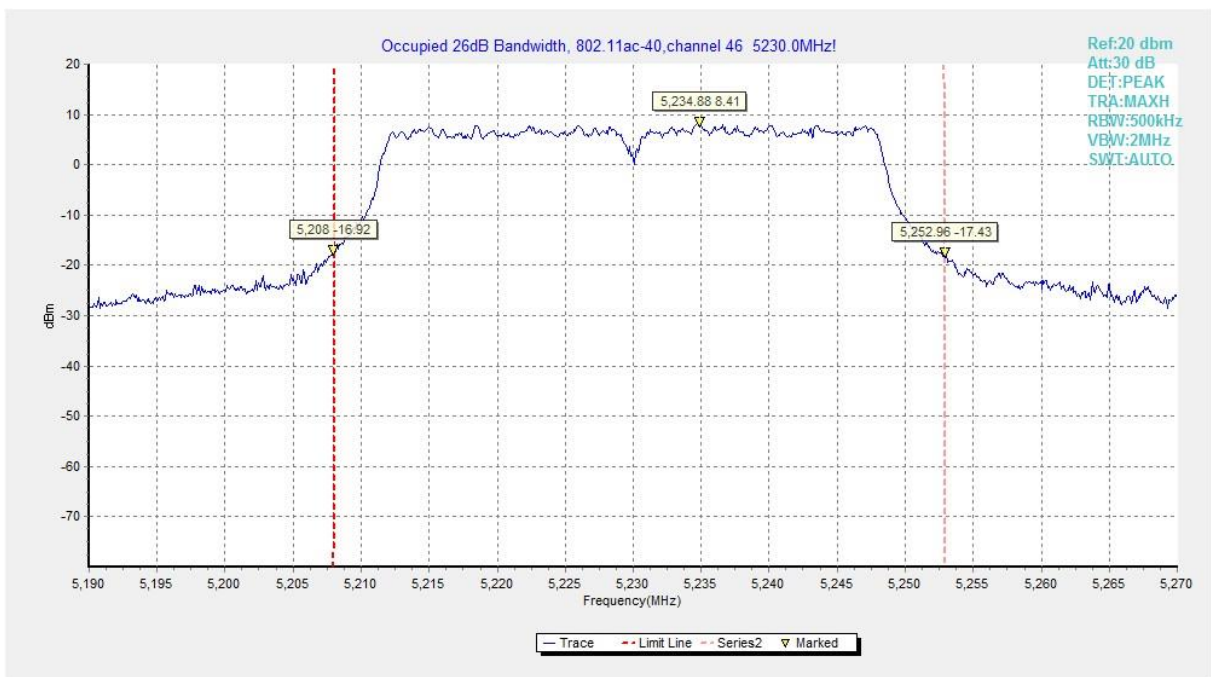


Fig.40 Occupied 26dB Bandwidth (802.11ac-HT40, 5230MHz)

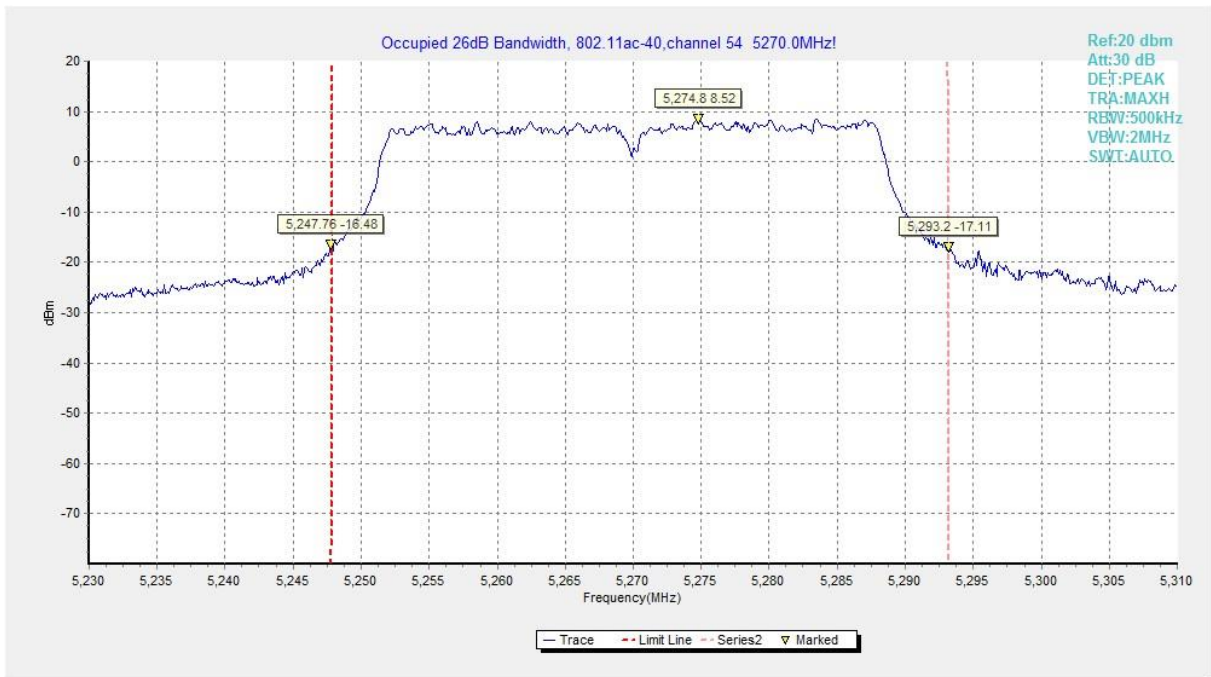


Fig.41 Occupied 26dB Bandwidth (802.11ac-HT40, 5270MHz)

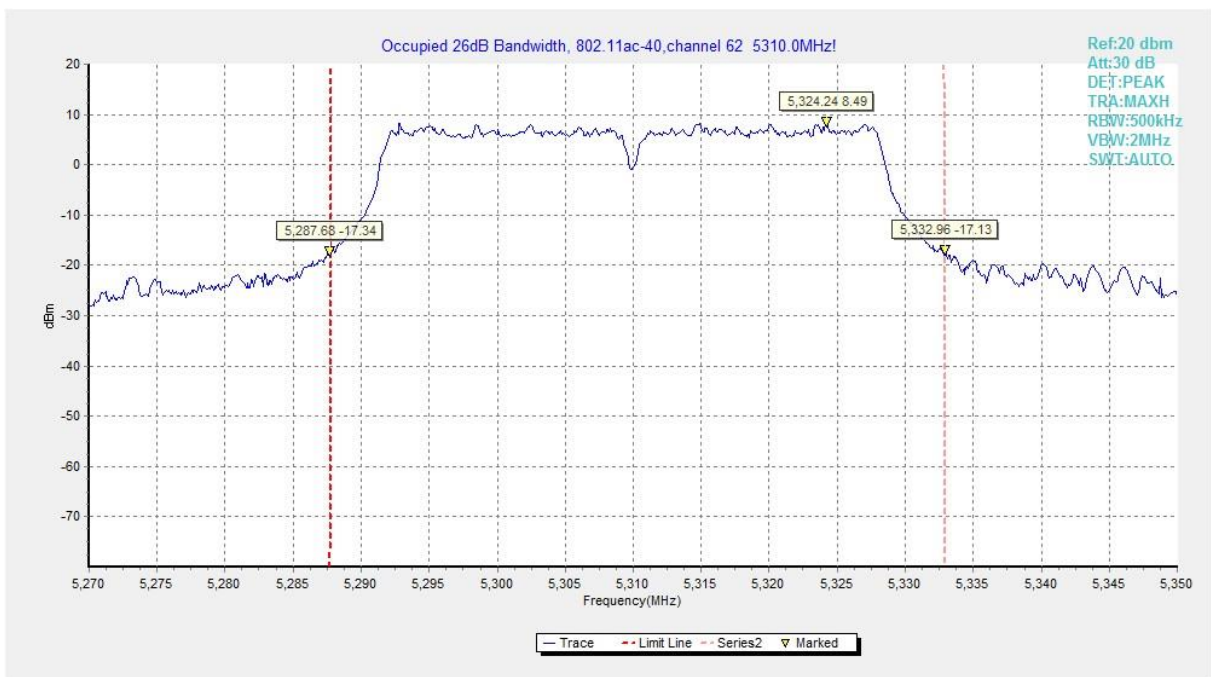


Fig.42 Occupied 26dB Bandwidth (802.11ac-HT40, 5310MHz)

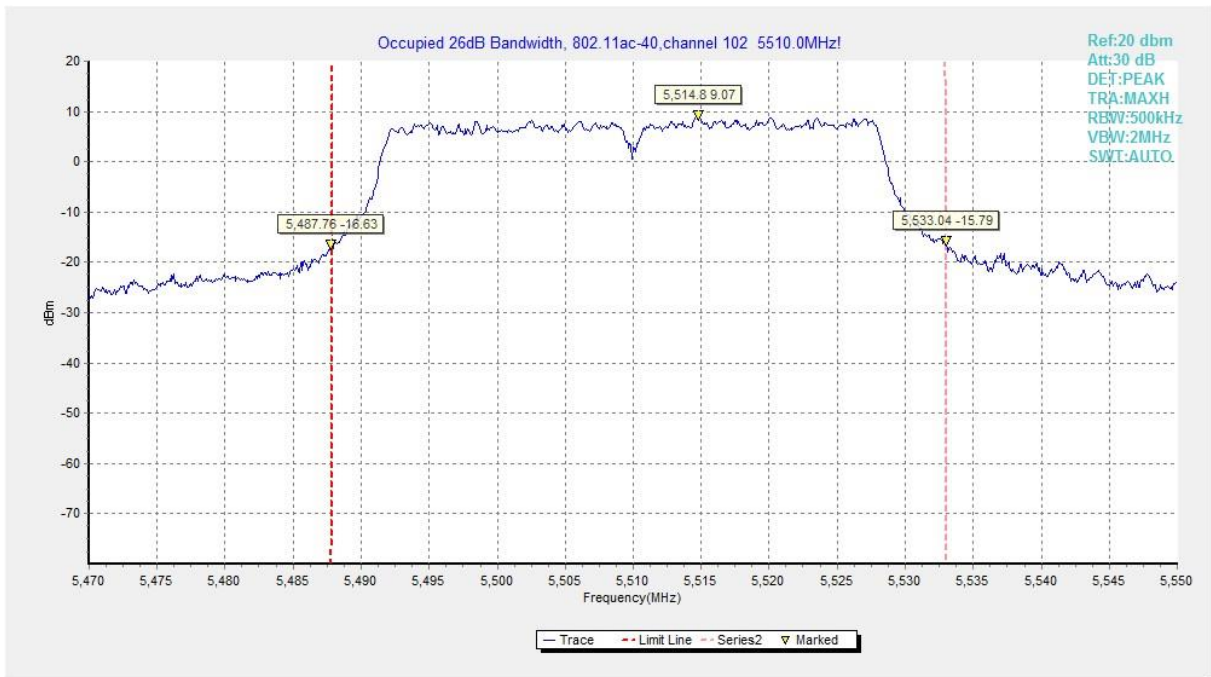


Fig.43 Occupied 26dB Bandwidth (802.11ac-HT40, 5510MHz)

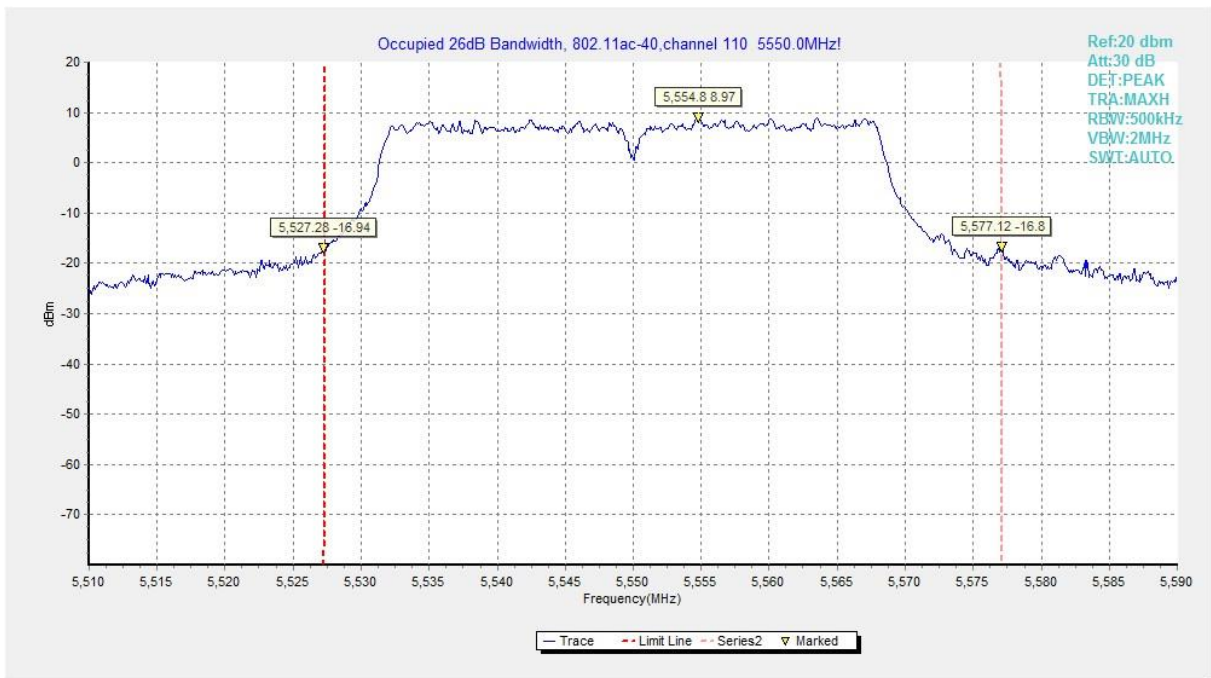


Fig.44 Occupied 26dB Bandwidth (802.11ac-HT40, 5550MHz)

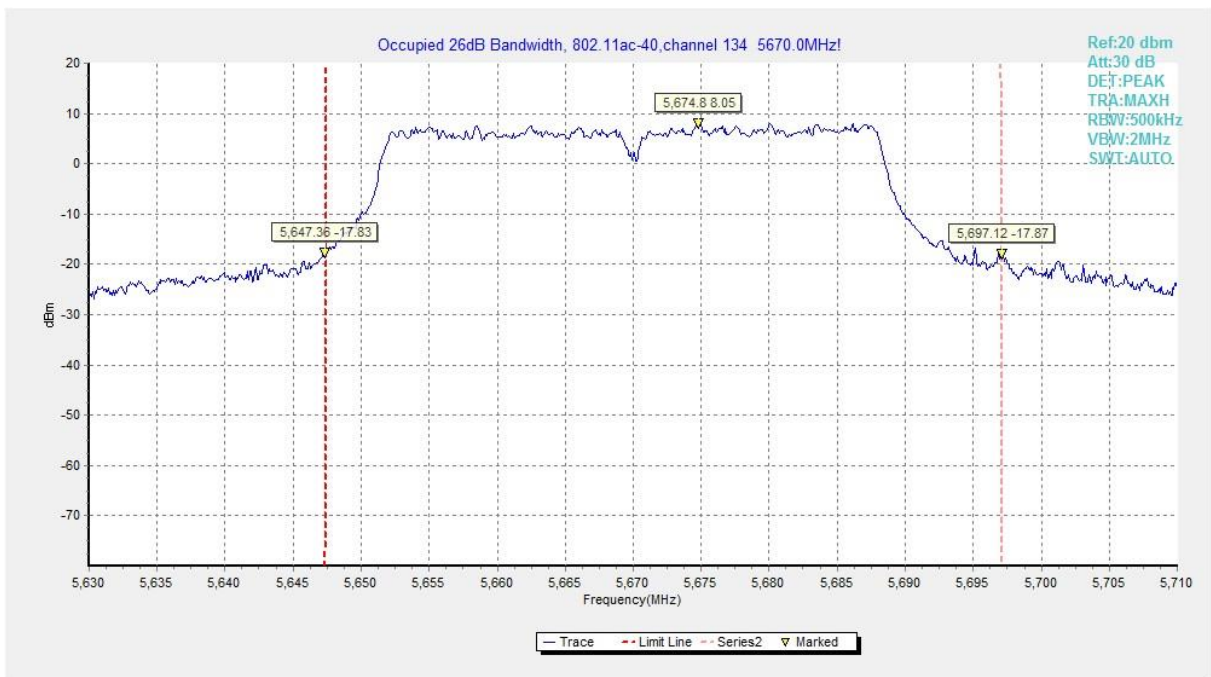


Fig.45 Occupied 26dB Bandwidth (802.11ac-HT40, 5670MHz)

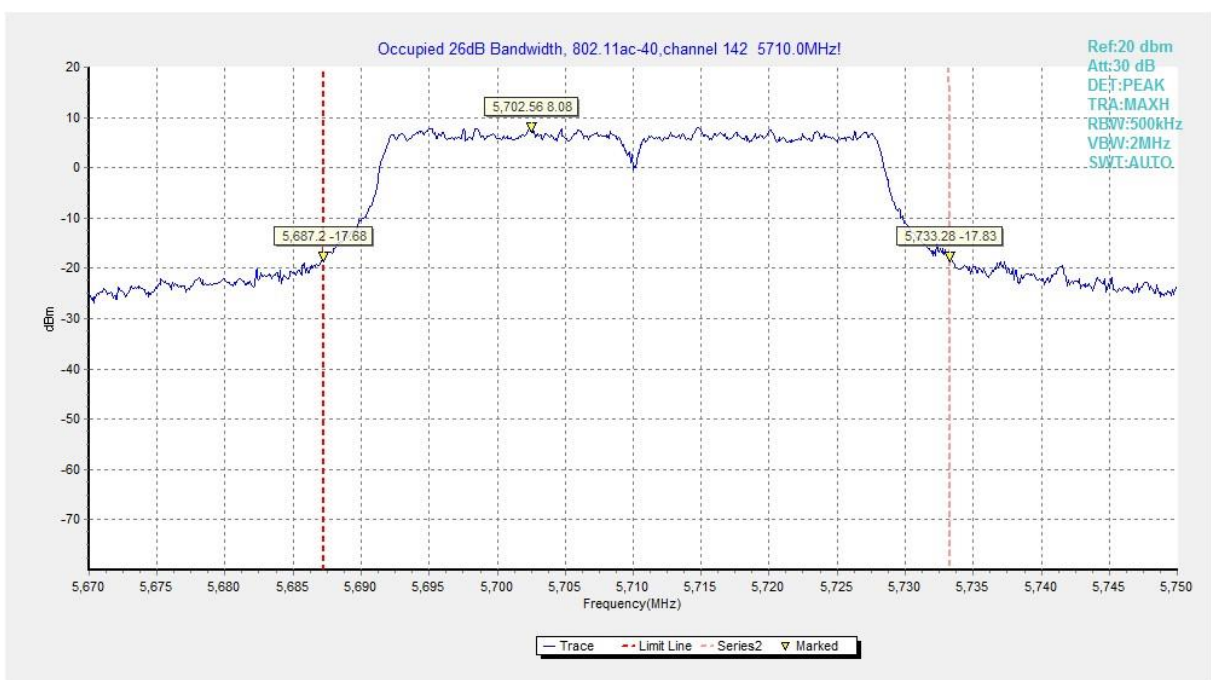


Fig.46 Occupied 26dB Bandwidth (802.11ac-HT40, 5710MHz)

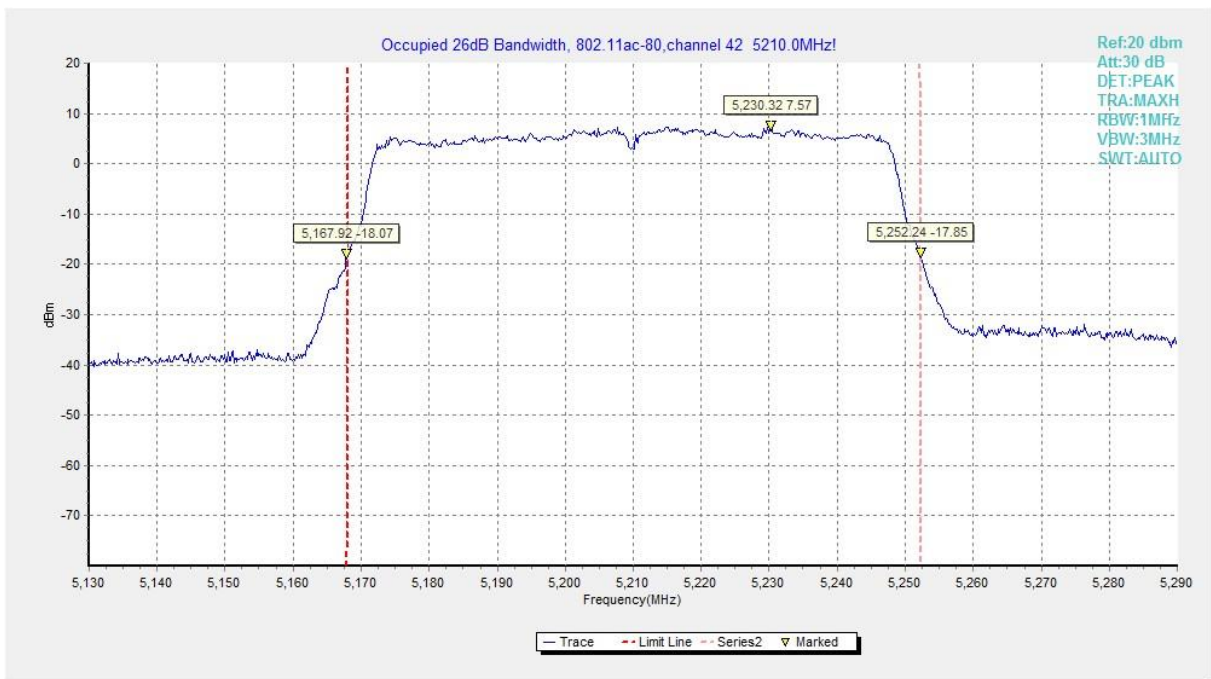


Fig.47 Occupied 26dB Bandwidth (802. 11ac-HT80, 5210MHz)



Fig.48 Occupied 26dB Bandwidth (802. 11ac-HT80, 5290MHz)

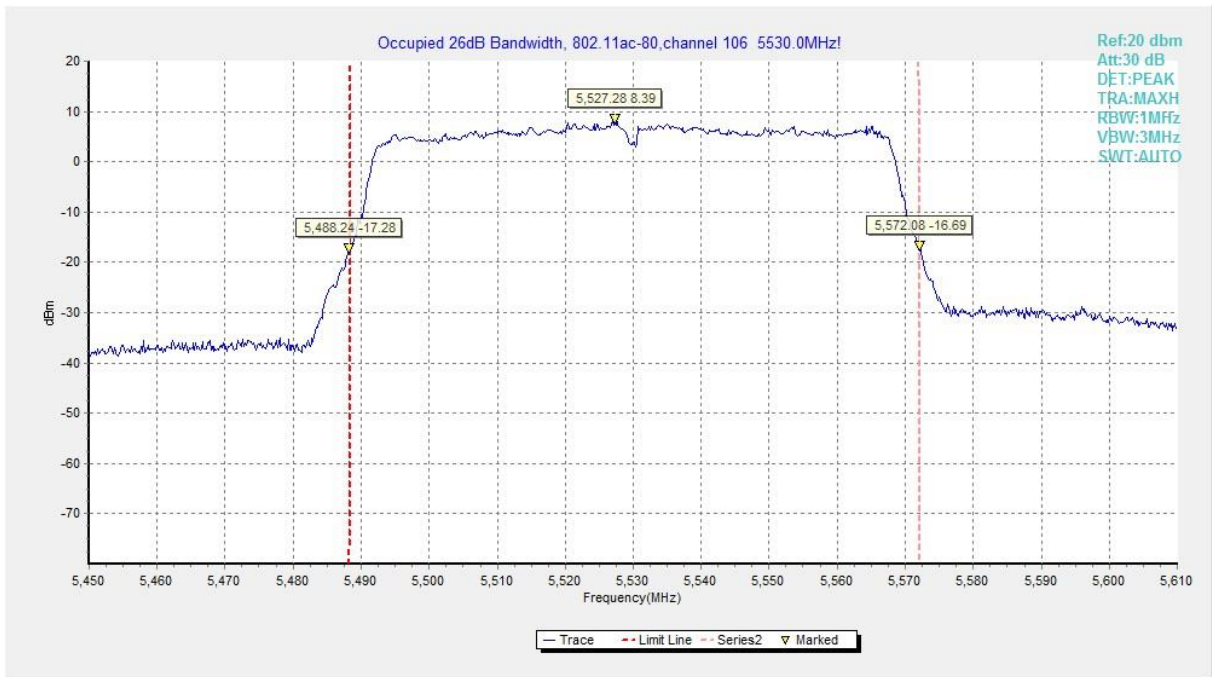


Fig.49 Occupied 26dB Bandwidth (802.11ac-HT80, 5530MHz)

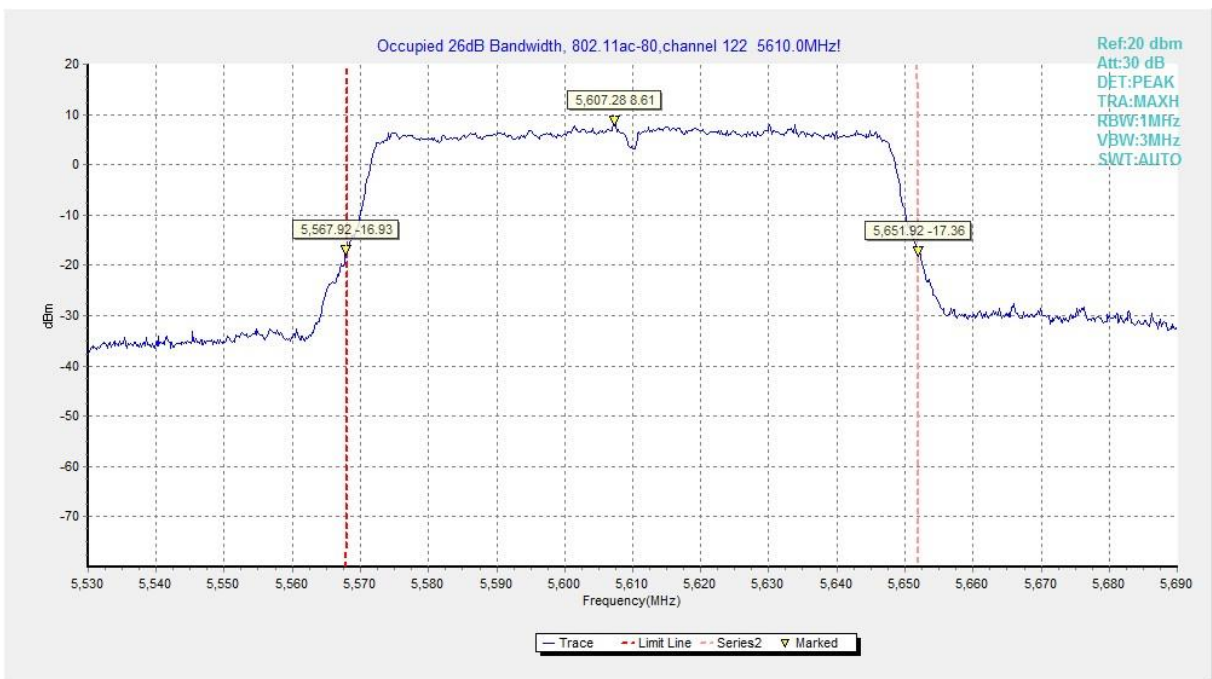


Fig.50 Occupied 26dB Bandwidth (802.11ac-HT80, 5610MHz)

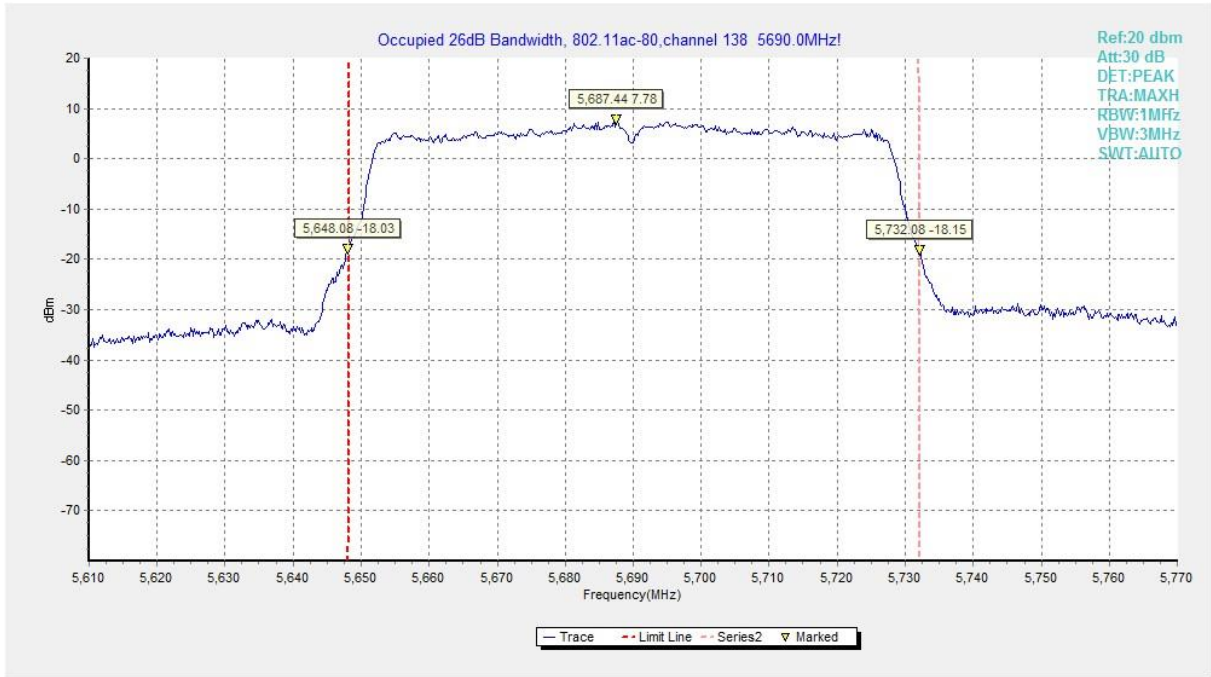


Fig.51 Occupied 26dB Bandwidth (802.11ac-HT80, 5690MHz)

A.5. Band Edges Compliance

A5.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit (dB μ V/m)	
	FCC 47 CFR Part 15.209	Peak
Average		54

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Measurement Uncertainty:

Measurement Uncertainty	0.75dB
-------------------------	--------

Measurement Result:

Ant0+Ant1:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.52	P
	5320 MHz	Fig.53	P
	5500 MHz	Fig.54	P
	5700 MHz	Fig.55	P
	5720 MHz	Fig.56	P
	5720 MHz	Fig.57	P
802.11n HT20	5180 MHz	Fig.58	P
	5320 MHz	Fig.59	P
	5500 MHz	Fig.60	P
	5700 MHz	Fig.61	P
	5720 MHz	Fig.62	P
	5720 MHz	Fig.63	P
802.11ac HT20	5180 MHz	Fig.64	P
	5320 MHz	Fig.65	P
	5500 MHz	Fig.66	P
	5700 MHz	Fig.67	P
	5720 MHz	Fig.68	P
	5720 MHz	Fig.69	P

802.11n HT40	5190 MHz	Fig.70	P
	5310 MHz	Fig.71	P
	5510 MHz	Fig.72	P
	5670 MHz	Fig.73	P
	5710 MHz	Fig.74	P
	5710 MHz	Fig.75	P
802.11ac HT40	5190 MHz	Fig.76	P
	5310 MHz	Fig.77	P
	5510 MHz	Fig.78	P
	5670 MHz	Fig.79	P
	5710 MHz	Fig.80	P
	5710 MHz	Fig.81	P
802.11ac HT80	5210MHz	Fig.82	P
	5290MHz	Fig.83	P
	5530MHz	Fig.84	P
	5690 MHz	Fig.85	P
	5690 MHz	Fig.86	P

Conclusion: PASS

Test graphs as below:

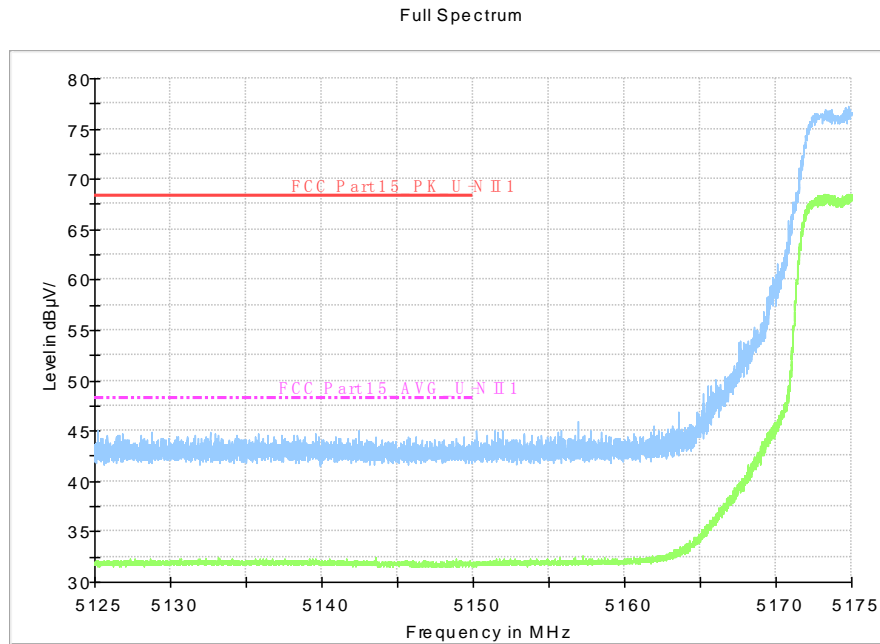


Fig. 52 Band Edges (802.11a, 5180MHz)

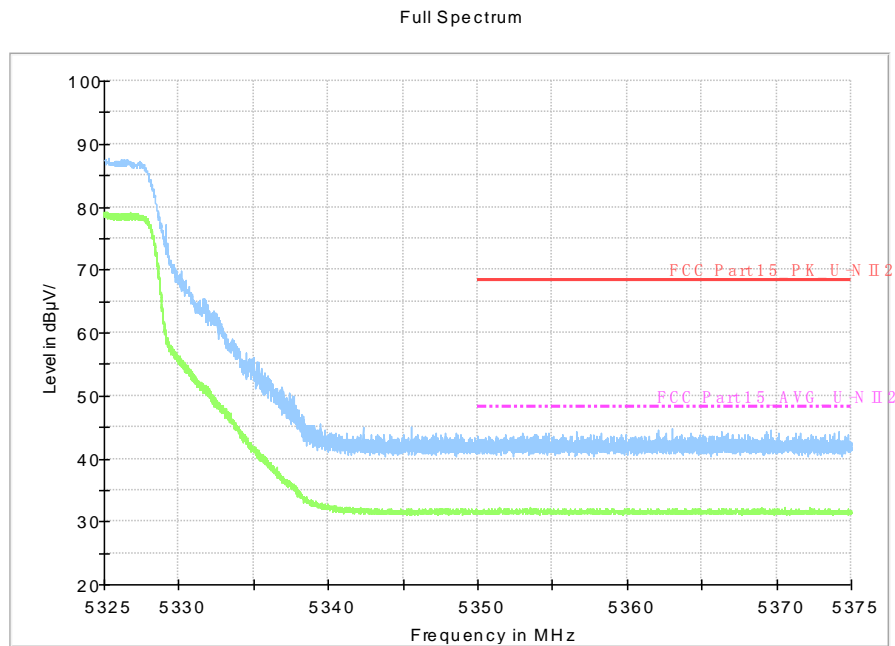


Fig. 53 Band Edges (802.11a, 5320MHz)

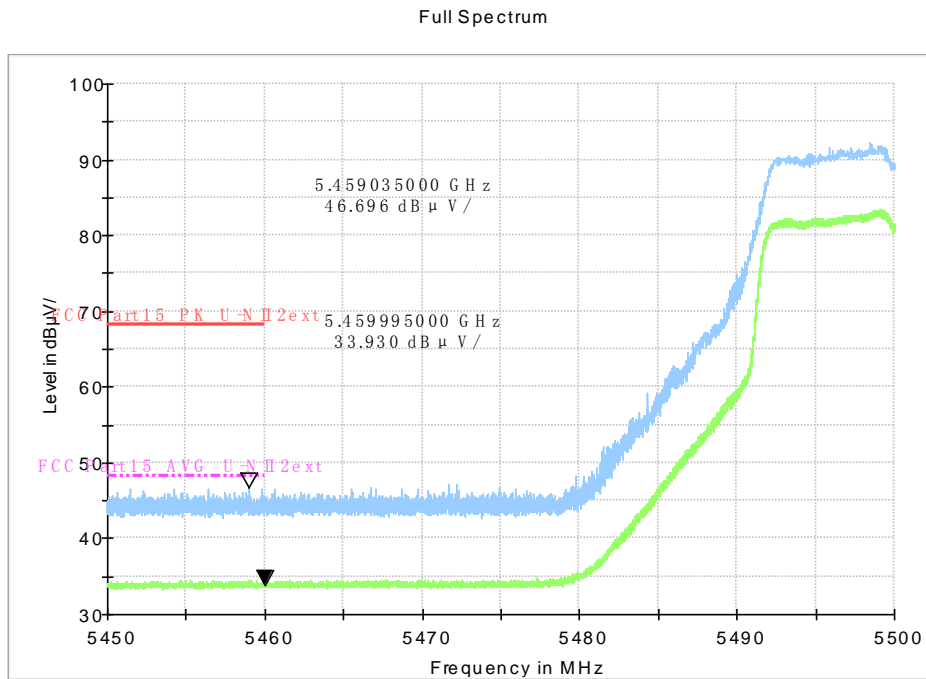


Fig. 54 Band Edges (802.11a, 5500MHz)

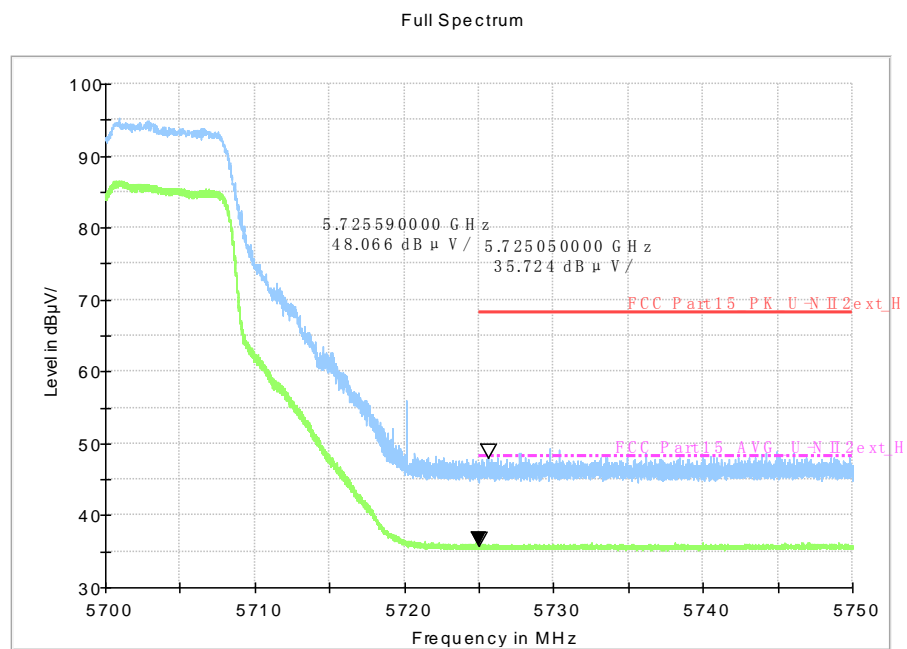


Fig. 55 Band Edges (802.11a, 5700MHz)

Full Spectrum

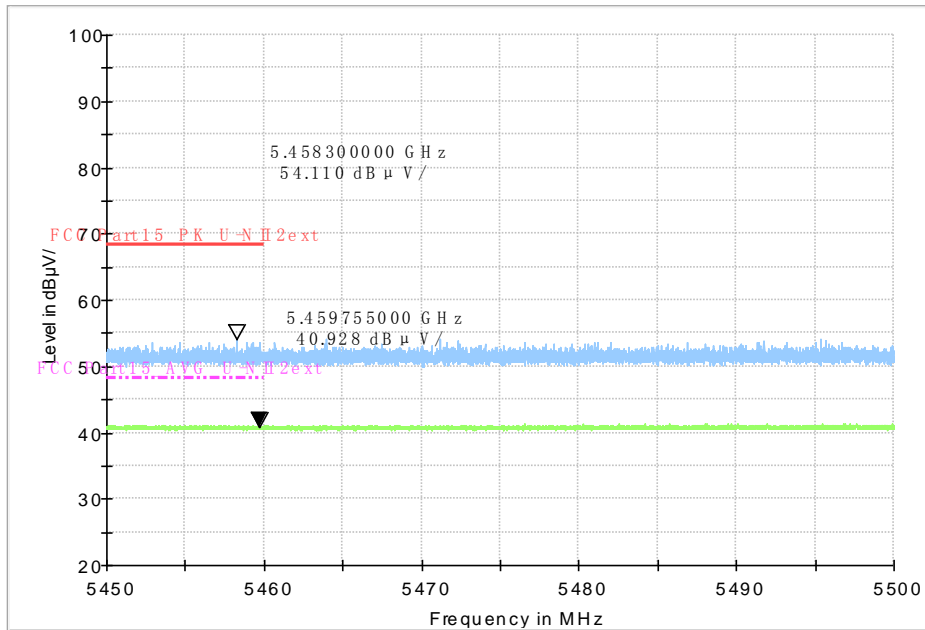


Fig. 56 Band Edges (802.11a, 5720MHz)

Full Spectrum

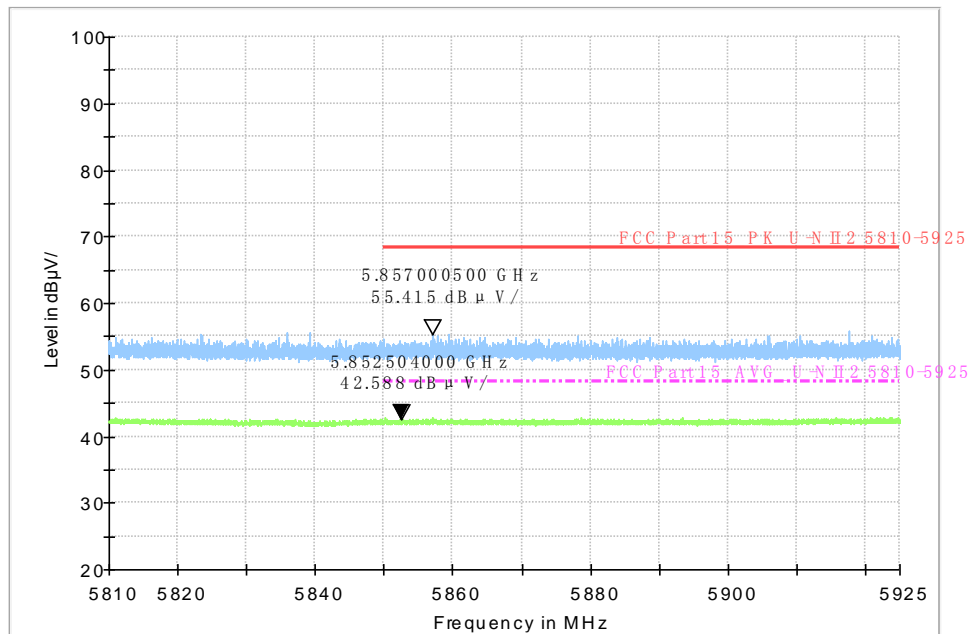


Fig. 57 Band Edges (802.11a, 5720MHz)

Full Spectrum

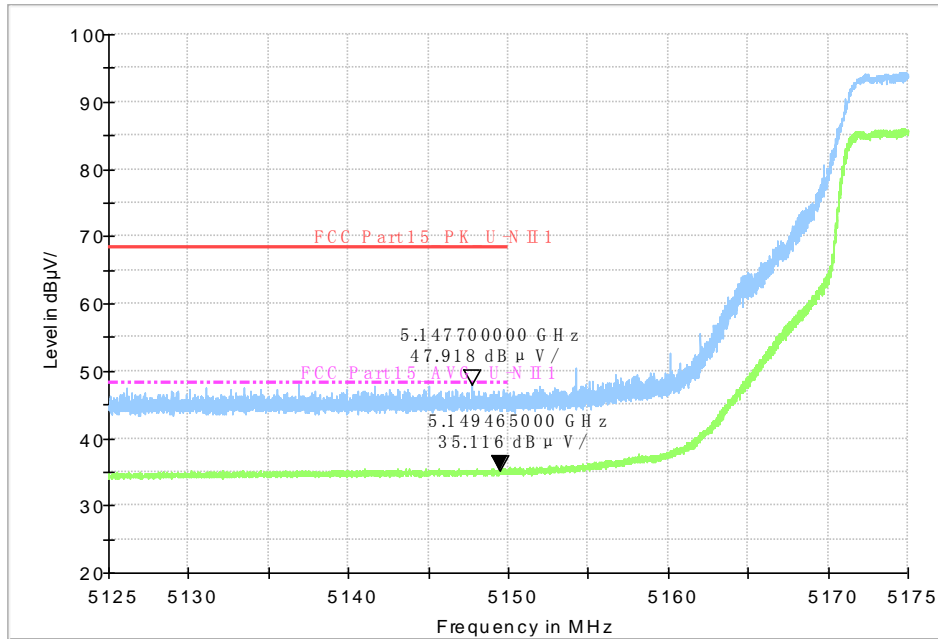


Fig. 58 Band Edges (802.11n-HT20, 5180MHz)

Full Spectrum

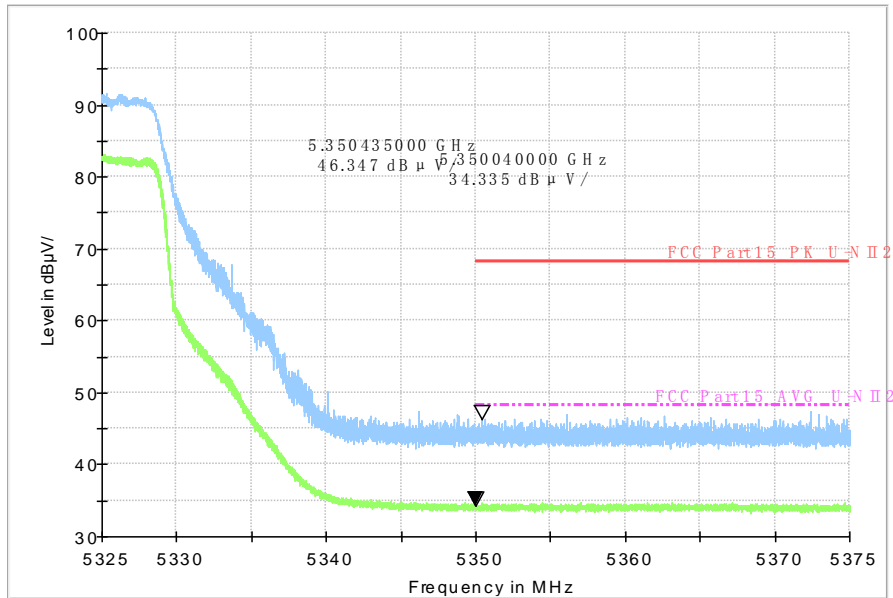


Fig. 59 Band Edges (802.11n-HT20, 5320MHz)

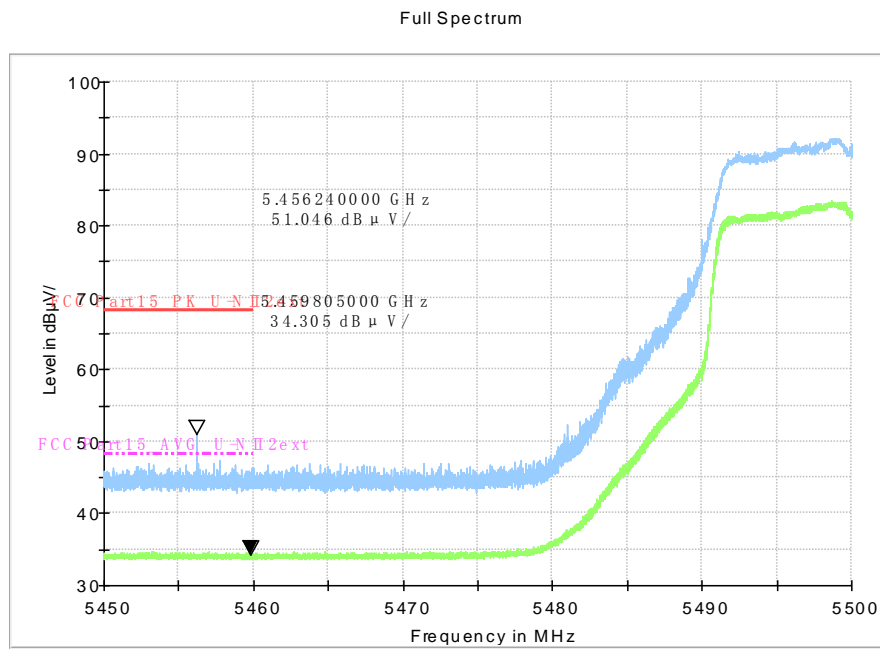


Fig. 60 Band Edges (802.11n-HT20, 5500MHz)

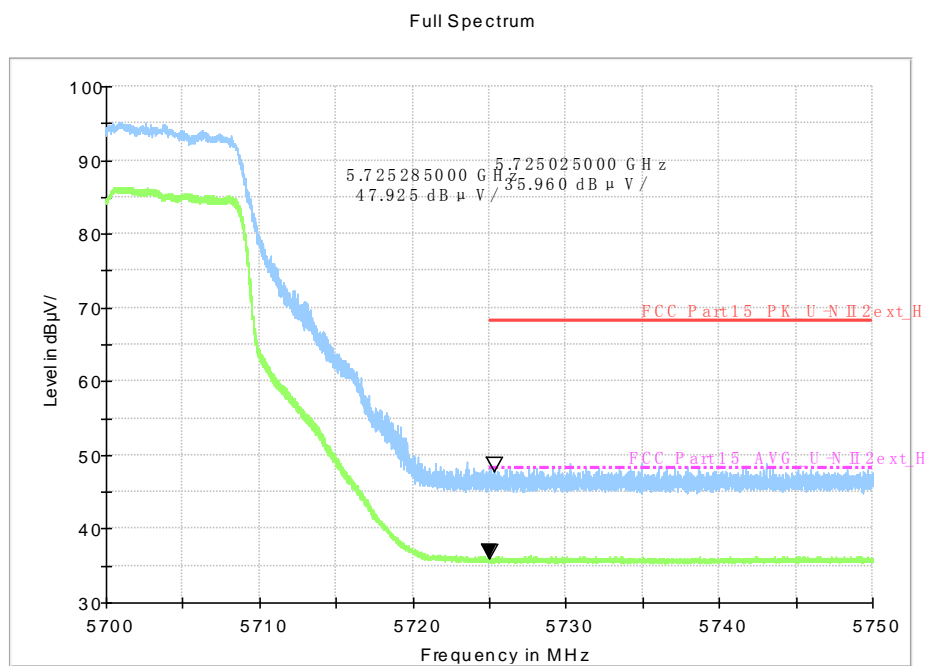


Fig. 61 Band Edges (802.11n-HT20, 5700MHz)

Full Spectrum

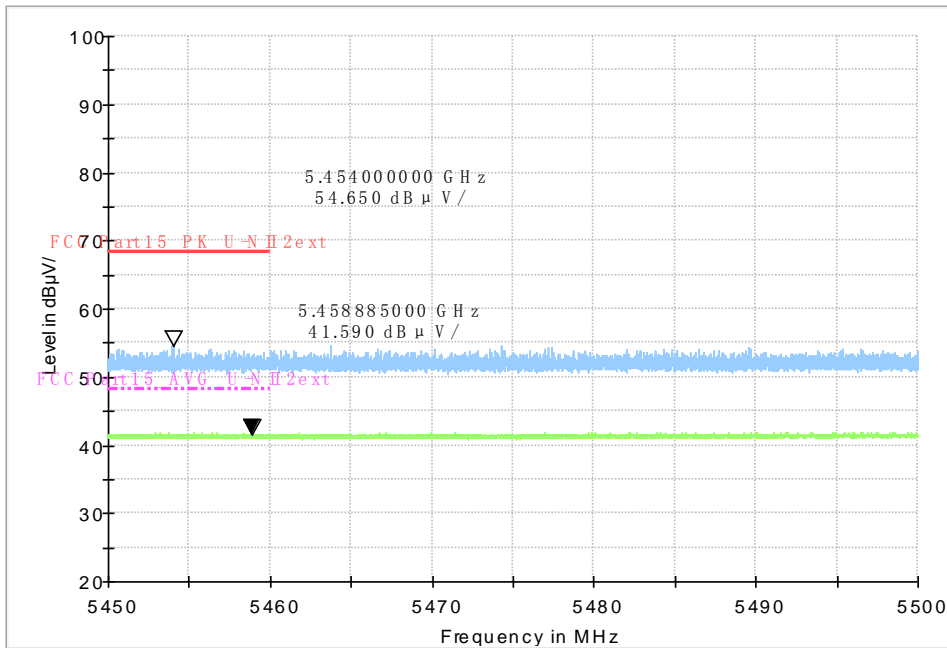


Fig. 62 Band Edges (802.11n, 5720MHz)

Full Spectrum

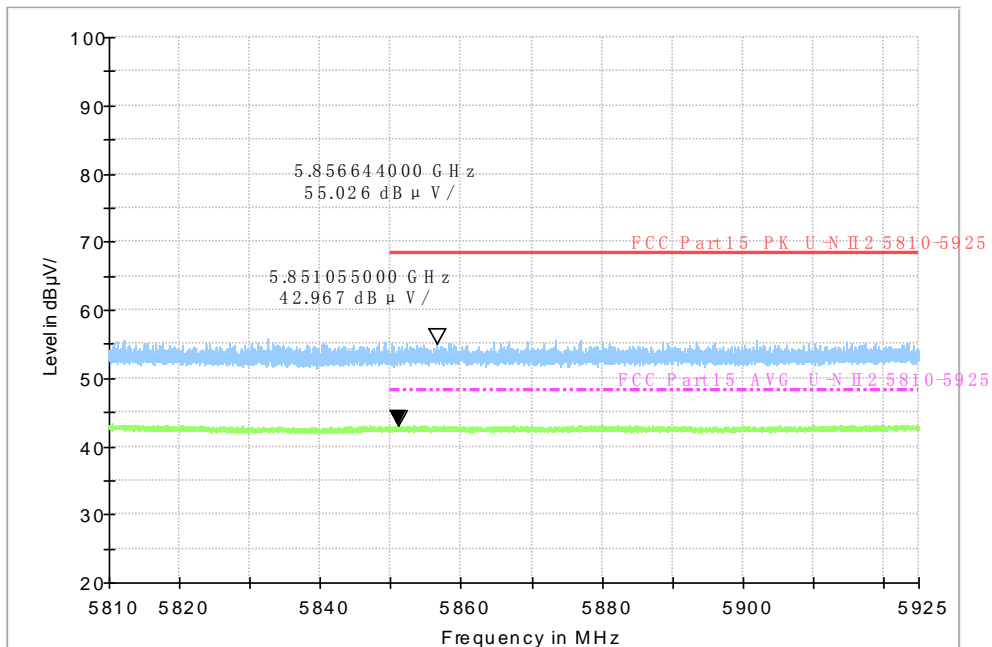


Fig. 63 Band Edges (802.11n, 5720MHz)

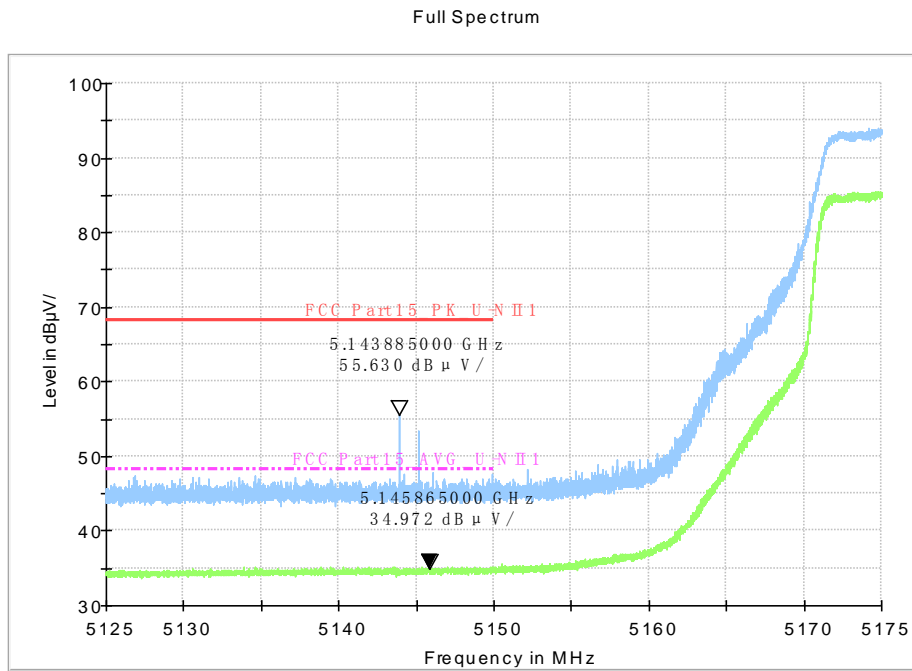


Fig. 64 Band Edges (802.11ac-HT20, 5180MHz)

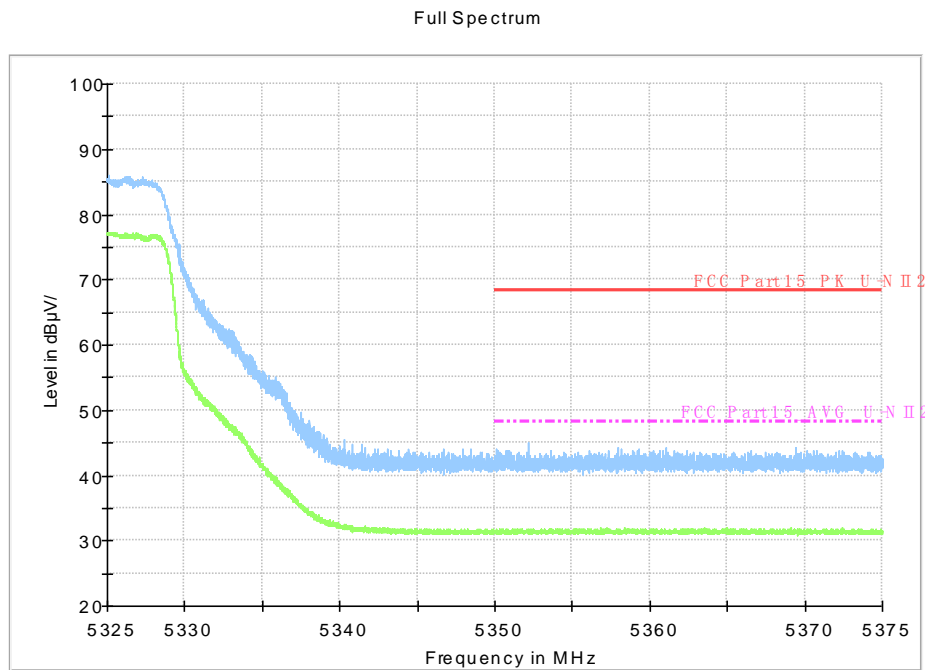


Fig. 65 Band Edges (802.11ac-HT20, 5320MHz)

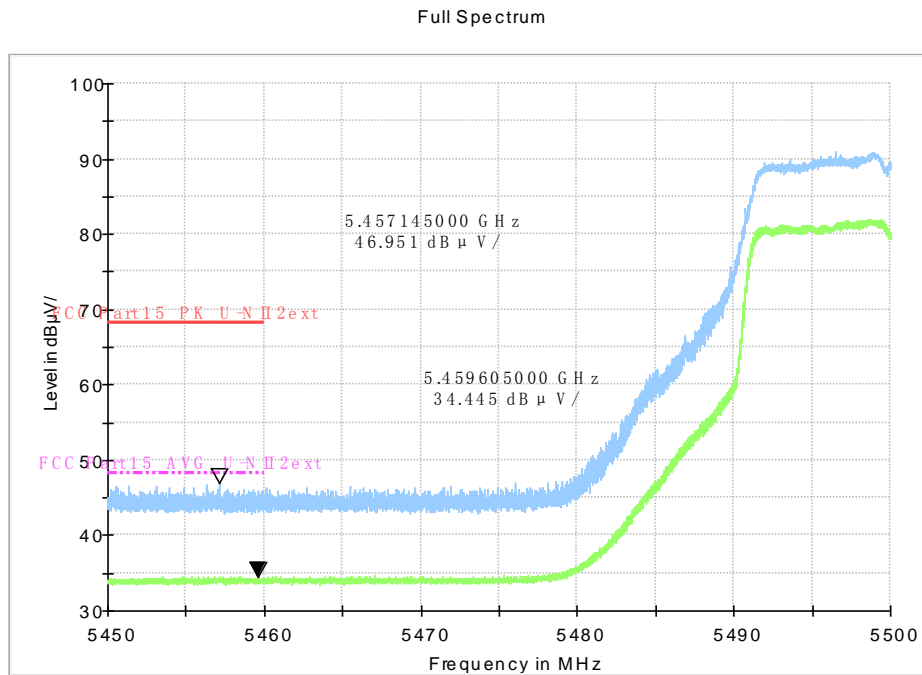


Fig. 66 Band Edges (802.11ac-HT20, 5500MHz)

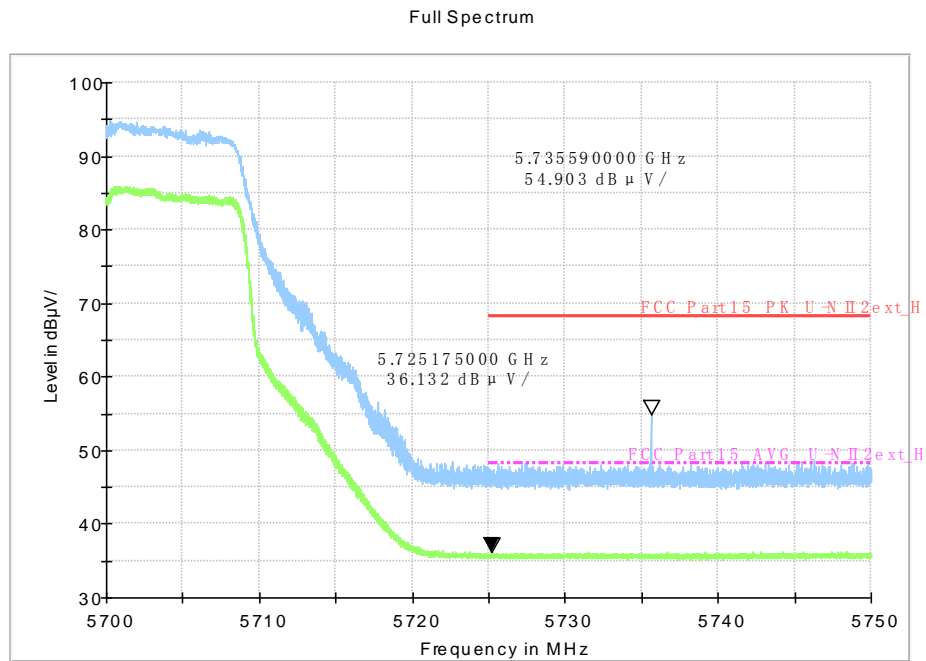


Fig. 67 Band Edges (802.11ac-HT20, 5700MHz)

Full Spectrum

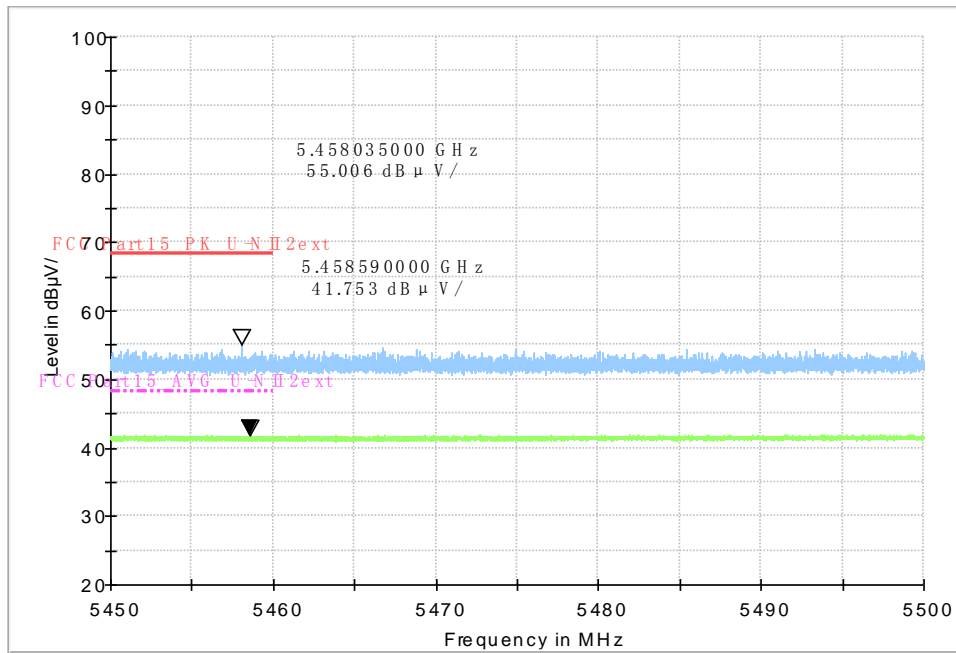


Fig. 68 Band Edges (802.11a, 5720MHz)

Full Spectrum

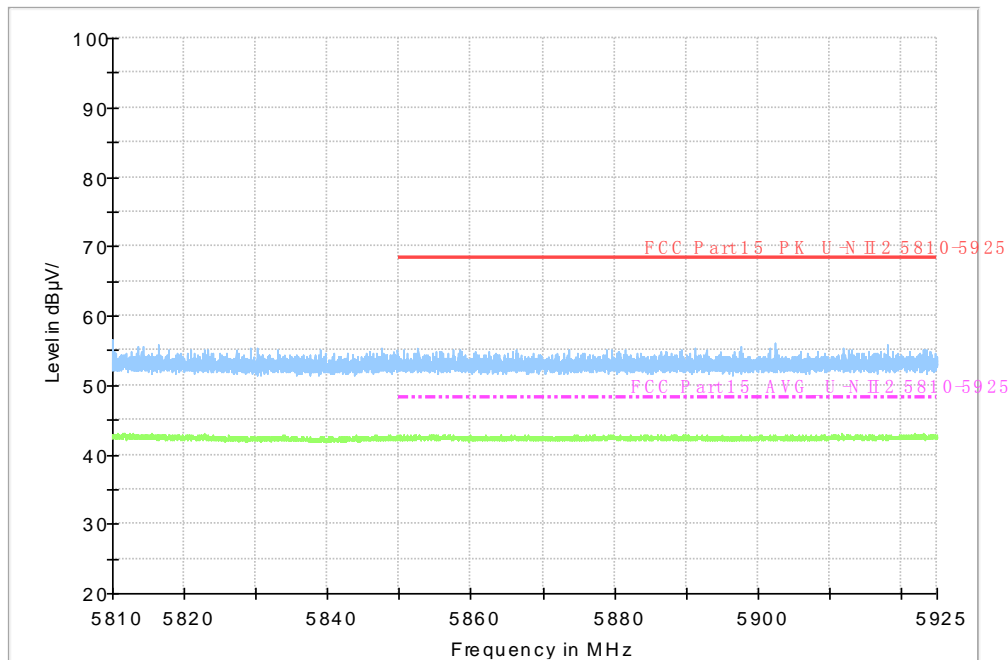


Fig. 69 Band Edges (802.11a, 5720MHz)

Full Spectrum

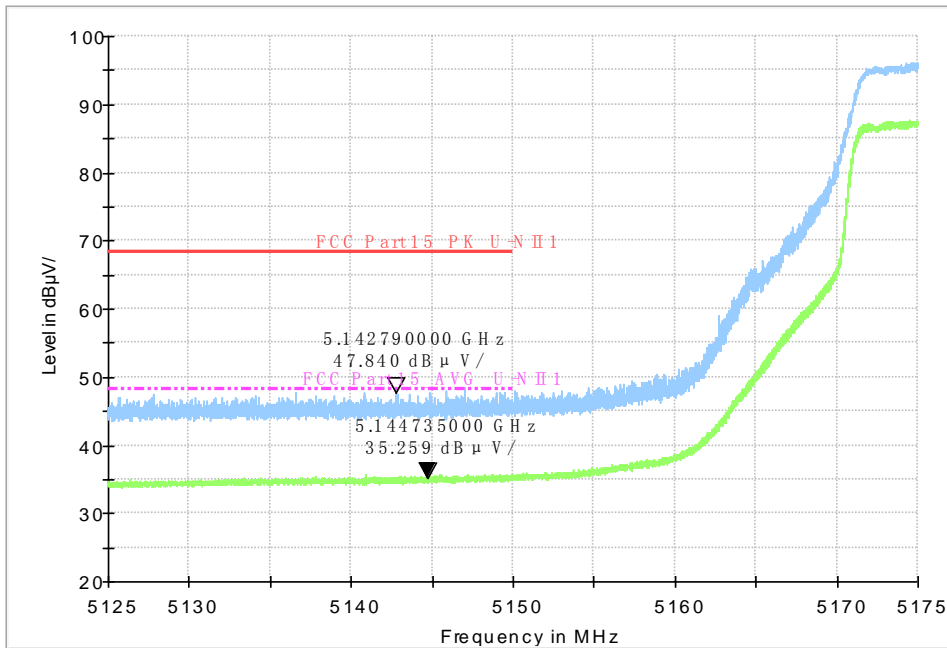


Fig. 70 Band Edges (802.11n-HT40, 5190MHz)

Full Spectrum

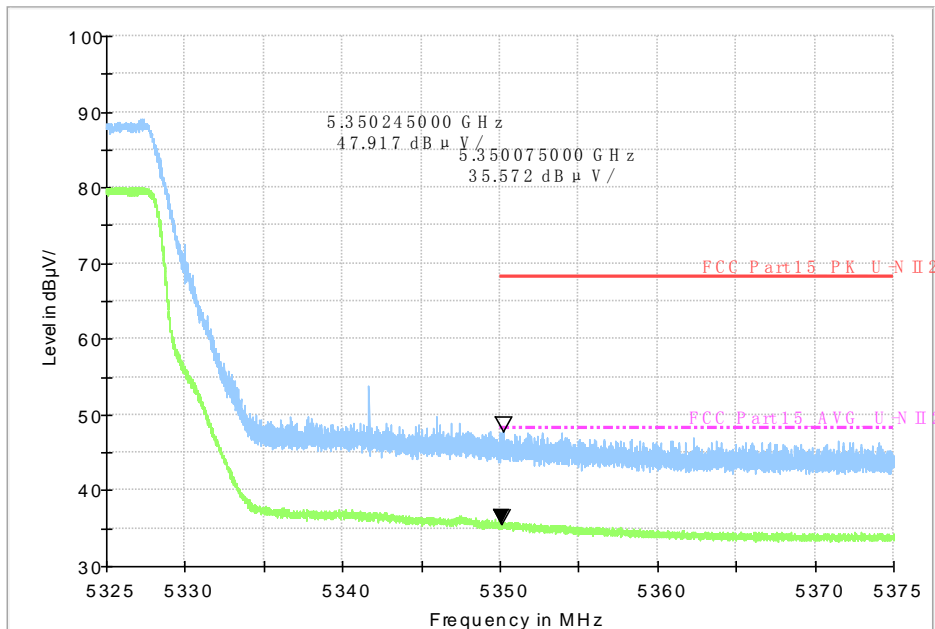


Fig. 71 Band Edges (802.11n-HT40, 5310MHz)

Full Spectrum

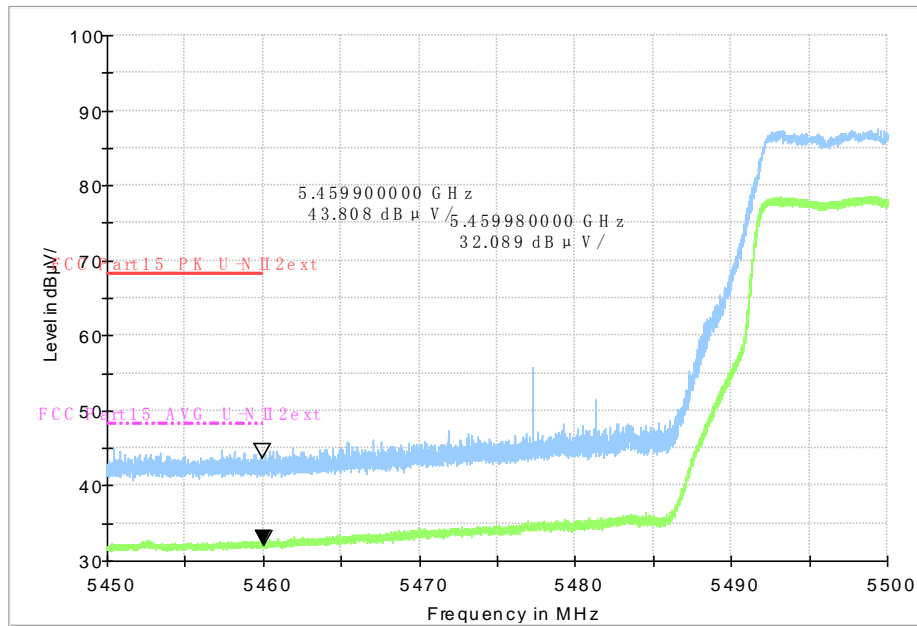


Fig. 72 Band Edges (802.11n-HT40, 5510MHz)

Full Spectrum

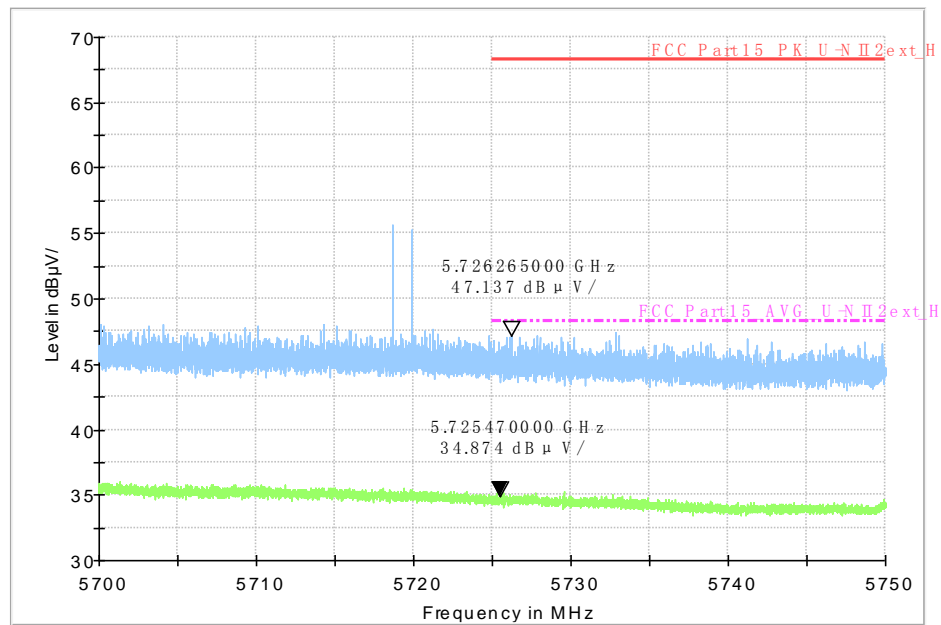


Fig. 73 Band Edges (802.11n-HT40, 5670MHz)

Full Spectrum

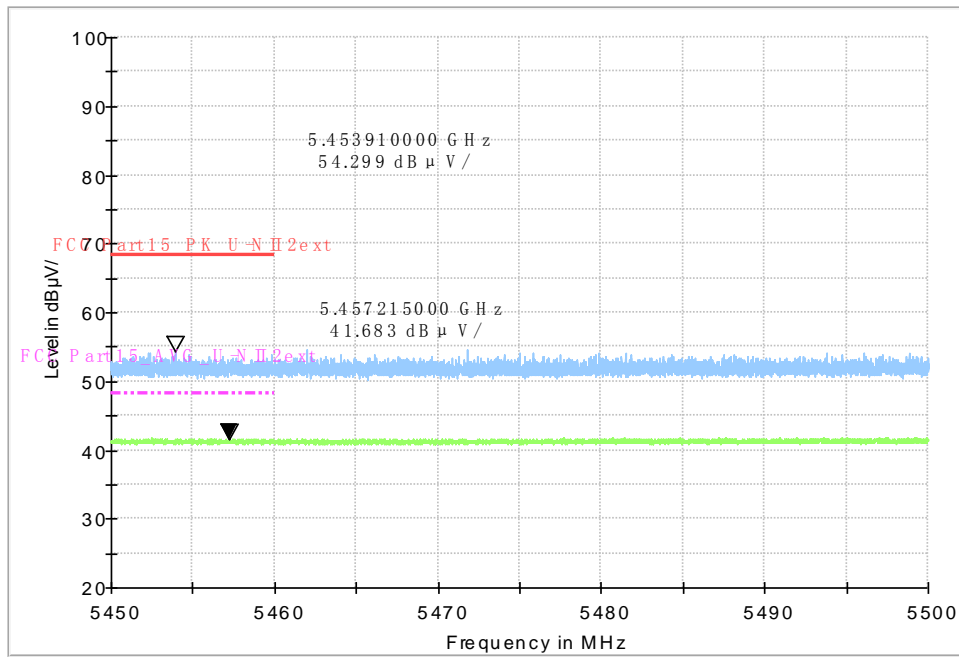


Fig. 74 Band Edges (802.11n-HT40, 5710MHz)

Full Spectrum

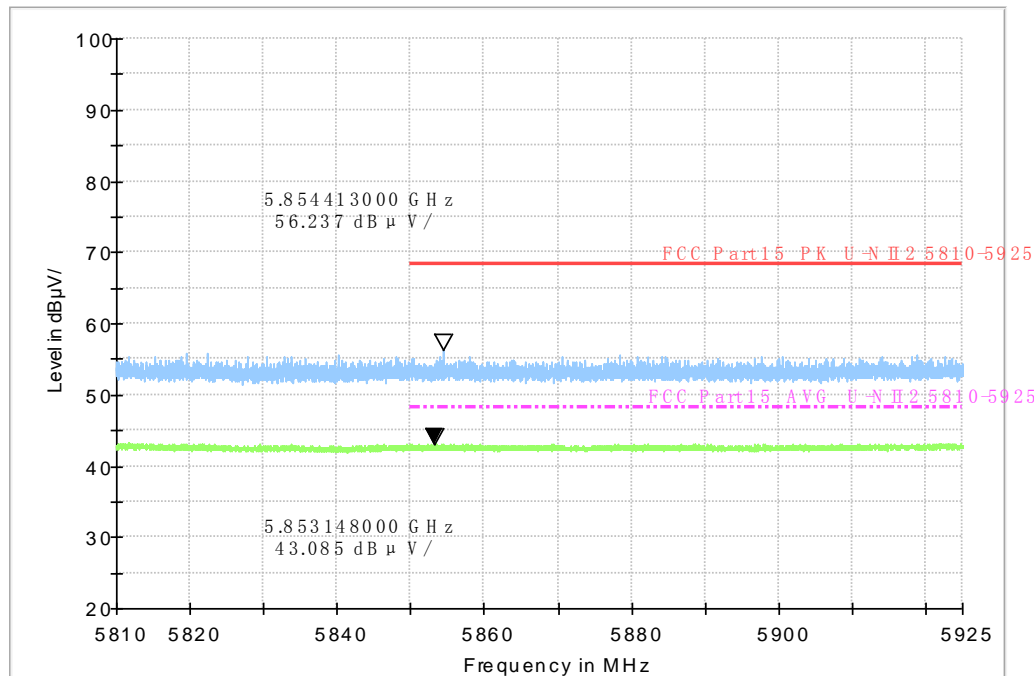


Fig. 75 Band Edges (802.11n-HT40, 5710MHz)

Full Spectrum

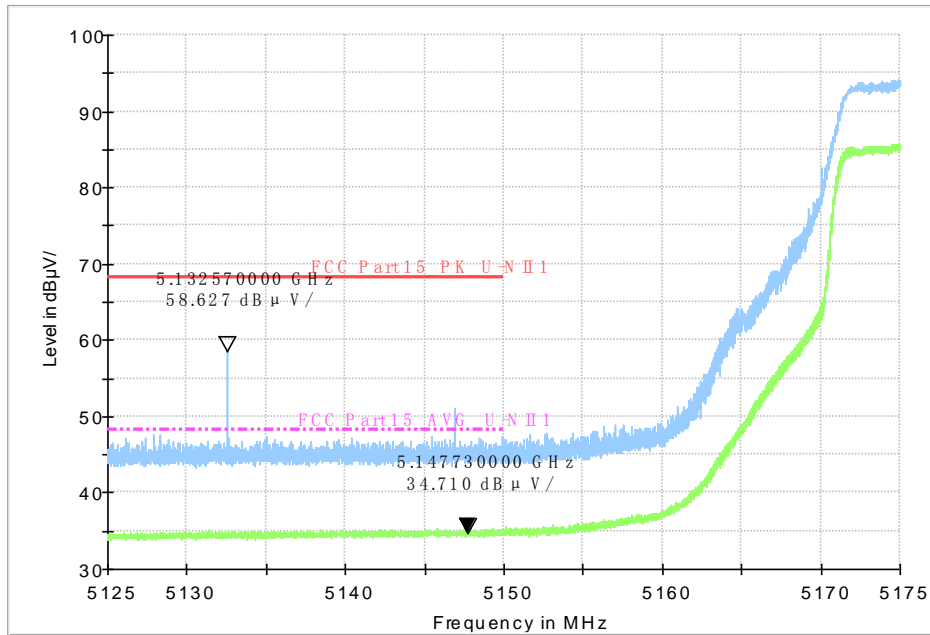


Fig. 76 Band Edges (802.11ac-HT40, 5190MHz)

Full Spectrum

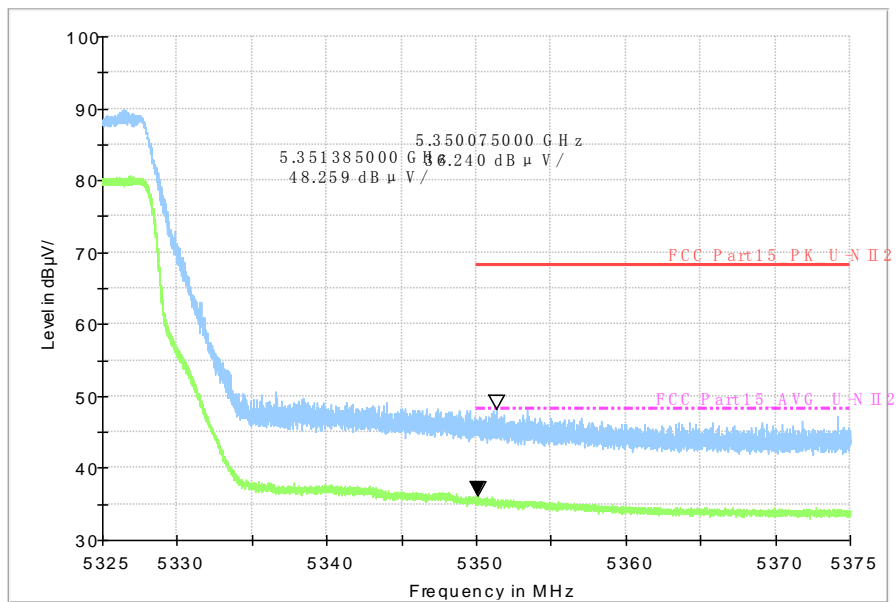


Fig. 77 Band Edges (802.11ac-HT40, 5310MHz)

Full Spectrum

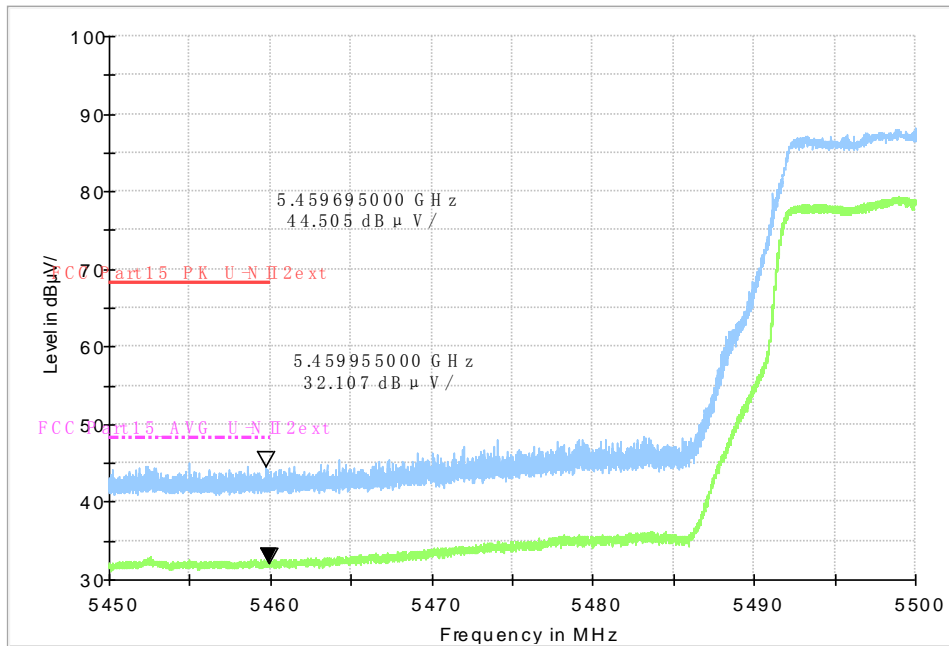


Fig. 78 Band Edges (802.11ac-HT40, 5510MHz)

Full Spectrum

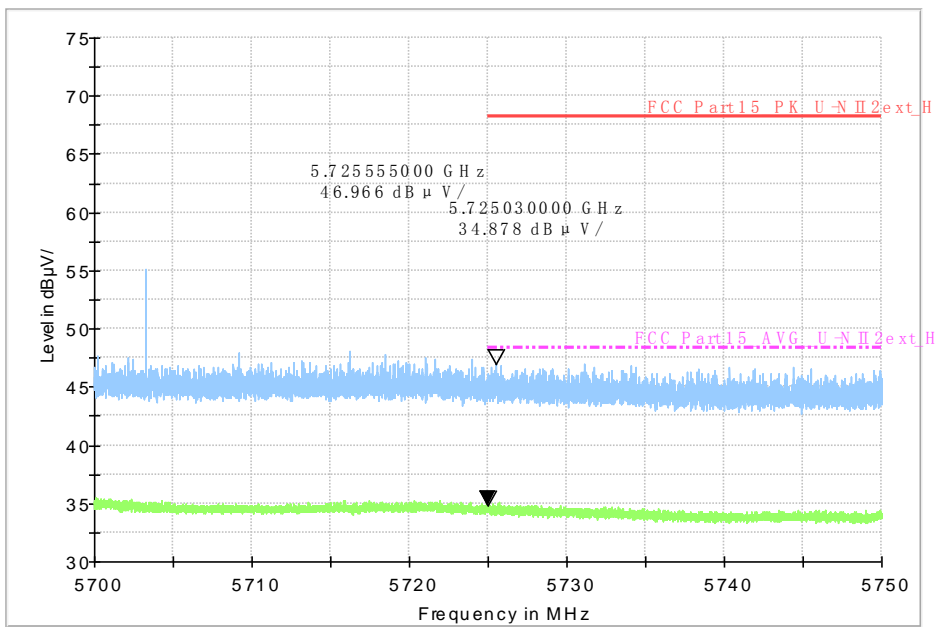


Fig. 79 Band Edges (802.11ac-HT40, 5670MHz)

Full Spectrum

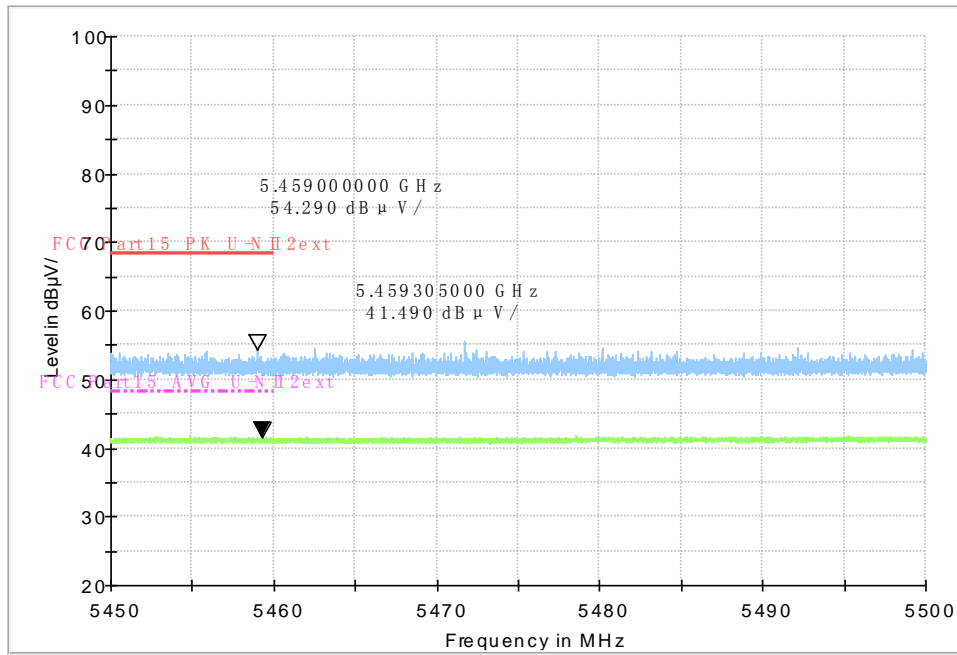


Fig. 80 Band Edges (802.11n-HT40, 5710MHz)

Full Spectrum

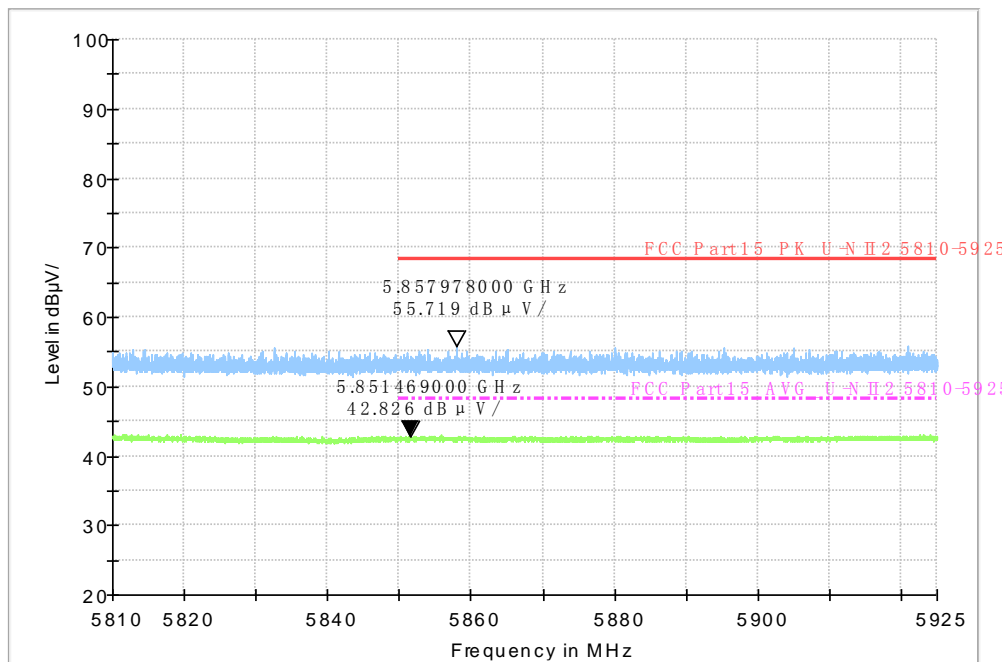


Fig. 81 Band Edges (802.11n-HT40, 5710MHz)

Full Spectrum

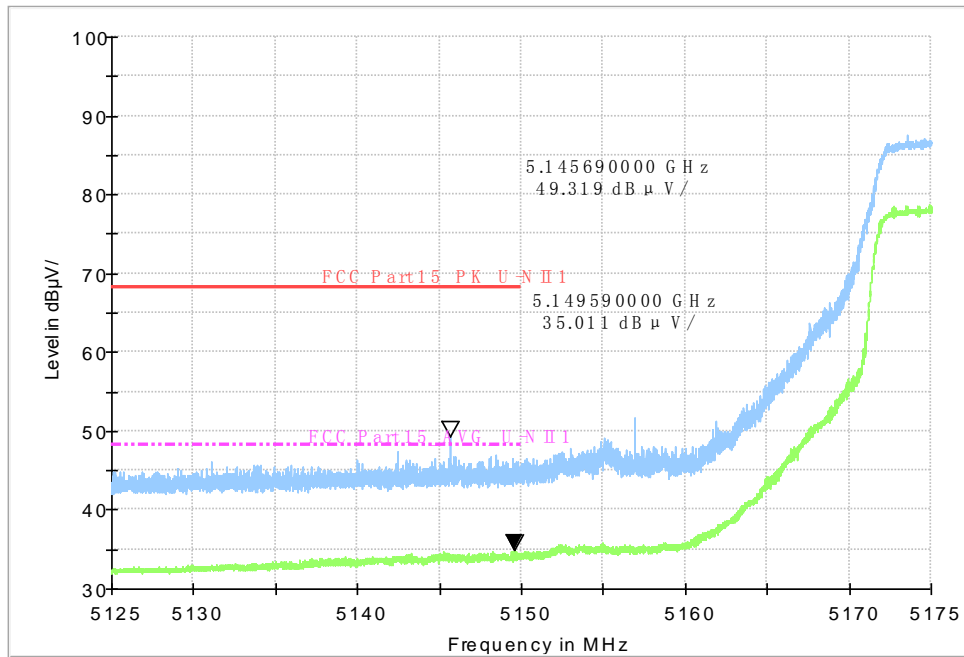


Fig. 82 Band Edges (802.11ac-HT80, 5210MHz)

Full Spectrum

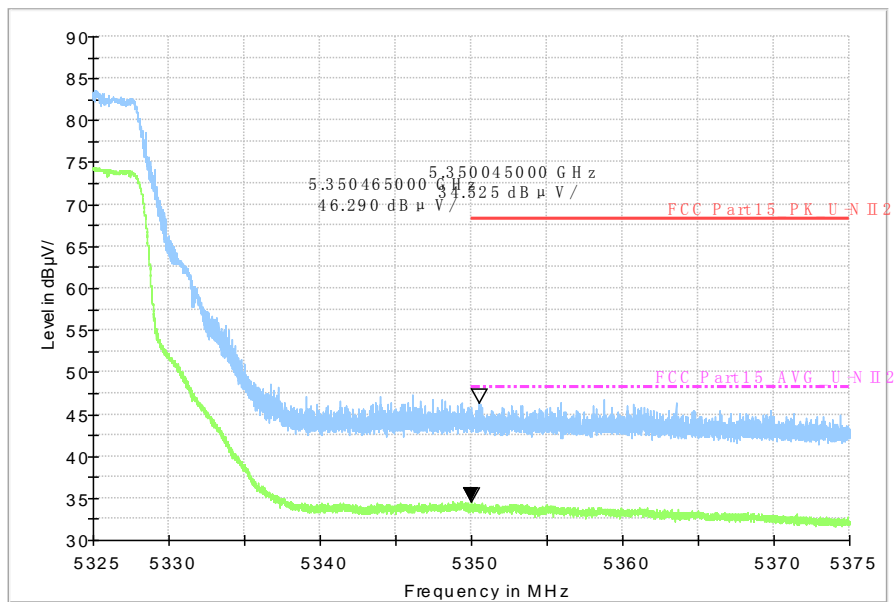


Fig. 83 Band Edges (802.11ac-HT80, 5290MHz)

Full Spectrum

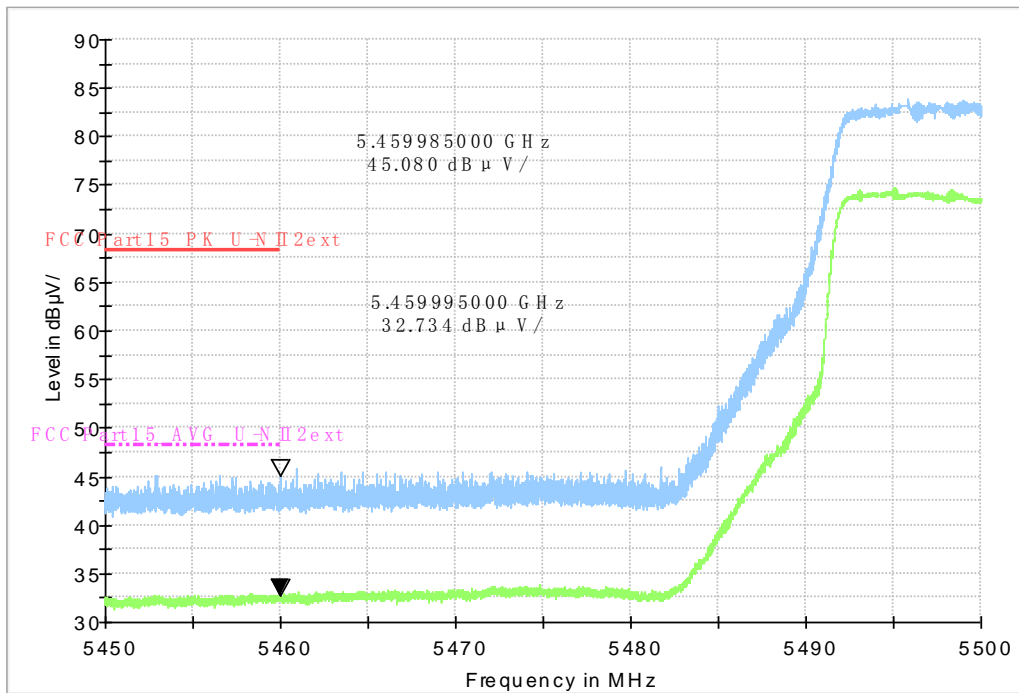


Fig. 84 Band Edges (802.11ac-HT80, 5530MHz)

Full Spectrum

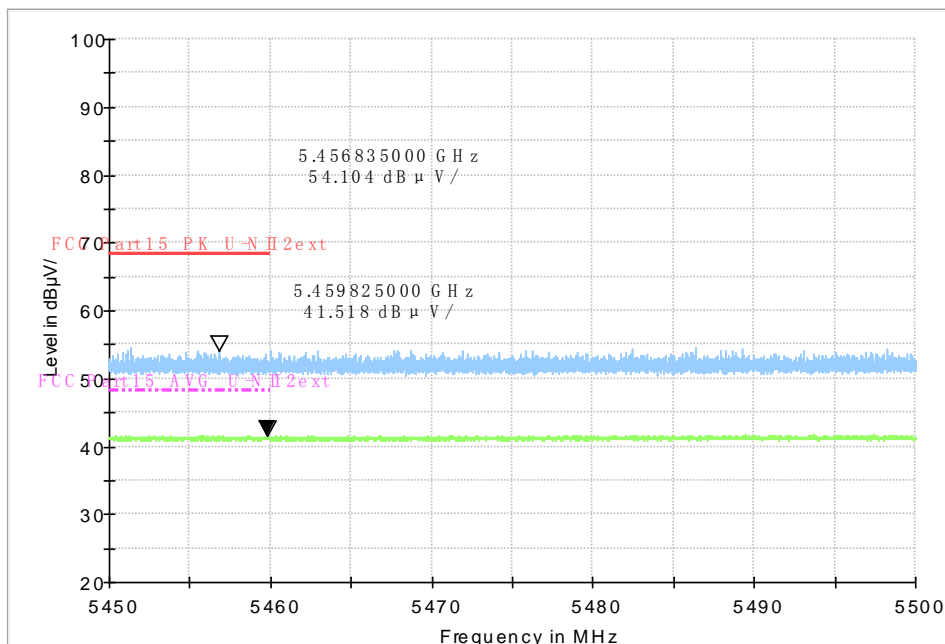


Fig. 85 Band Edges (802.11ac-HT80, 5690MHz)

Full Spectrum

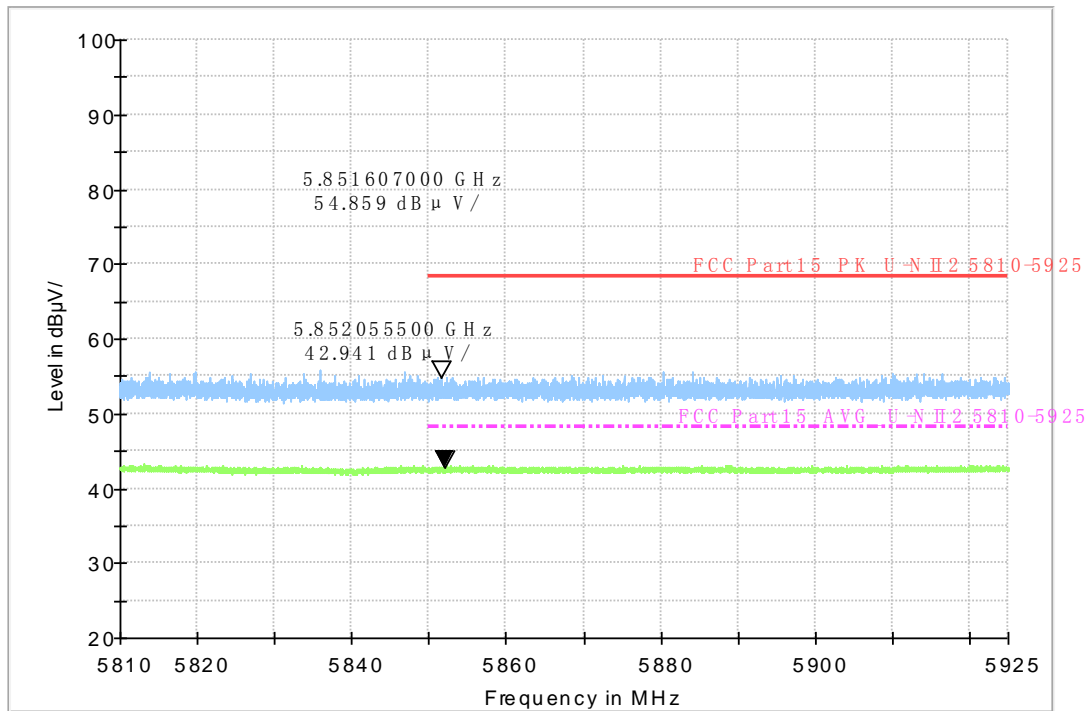


Fig. 86 Band Edges (802.11ac-HT80, 5690MHz)

A.6. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength(dBμV/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

Measurement uncertainty:

Expanded measurement uncertainty for this test item is $U = 3.9\text{dB}$, $k=2$.

Measurement Results:

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$

Average

82.11a

Channel 36

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Antenna Pol. (H/V)
17987.9	35.7	-25.5	43.4	17.8	V
17980.2	35.7	-25.5	43.4	17.8	V
17969.2	35.6	-25.5	43.4	17.7	V
17991.2	35.6	-25.5	43.4	17.7	V
17970.3	35.6	-25.5	43.4	17.7	H
5137.52	32.3	-17.0	33.4	15.9	V

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17978.0	35.8	-25.5	43.4	17.9	V
17980.2	35.7	-25.5	43.4	17.8	V
17982.4	35.5	-25.5	43.4	17.6	V
17958.2	35.5	-25.5	43.4	17.6	V
17970.3	35.5	-25.5	43.4	17.6	V
17949.4	35.5	-25.5	43.4	17.6	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17973.6	35.7	-25.5	43.4	17.8	V
17971.4	35.7	-25.5	43.4	17.8	H
17967.0	35.6	-25.5	43.4	17.7	V
17952.7	35.6	-25.5	43.4	17.7	V
17960.4	35.6	-25.5	43.4	17.7	V
17950.5	35.5	-25.5	43.4	17.6	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17969.2	35.6	-25.5	43.4	17.7	V
17981.3	35.6	-25.5	43.4	17.7	V
17983.5	35.6	-25.5	43.4	17.7	V
17956.0	35.6	-25.5	43.4	17.7	V
17982.4	35.6	-25.5	43.4	17.7	V
17959.3	35.5	-25.5	43.4	17.6	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17957.1	35.7	-25.5	43.4	17.8	V
17967.0	35.7	-25.5	43.4	17.8	V
17939.5	35.6	-25.5	43.4	17.7	V
17976.9	35.6	-25.5	43.4	17.7	V
17959.3	35.5	-25.5	43.4	17.6	V
17934.0	35.5	-25.5	43.4	17.6	V

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17957.1	35.8	-25.5	43.4	17.9	V
17943.9	35.6	-25.5	43.4	17.7	V
17982.4	35.6	-25.5	43.4	17.7	V
17865.8	35.5	-25.5	43.4	17.6	V
17971.4	35.5	-25.5	43.4	17.6	V
5353.5	32.2	-17.0	33.4	15.7	H

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17953.8	35.3	-25.5	43.4	17.4	V
17970.3	35.3	-25.5	43.4	17.4	V
17974.7	35.3	-25.5	43.4	17.4	H
17993.4	35.2	-25.5	43.4	17.3	H
17964.8	35.2	-25.5	43.4	17.3	V
5454.65	34.6	-16.8	33.4	17.9	V

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17970.3	35.6	-25.5	43.4	17.7	V
17979.1	35.3	-25.5	43.4	17.4	V
17976.9	35.3	-25.5	43.4	17.4	V
17945.0	35.3	-25.5	43.4	17.4	V
17952.7	35.3	-25.5	43.4	17.4	V
17956.0	35.3	-25.5	43.4	17.4	H

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17932.9	35.6	-25.5	43.4	17.7	V
17965.9	35.6	-25.5	43.4	17.7	V
17983.5	35.5	-25.5	43.4	17.6	V
17993.4	35.5	-25.5	43.4	17.6	V
17987.9	35.4	-25.5	43.4	17.5	V
5739.98	36.2	-16.3	34.2	18.4	H

802.11n-HT20

Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17985.7	35.8	-25.5	43.4	17.9	V
17968.1	35.8	-25.5	43.4	17.9	V
17973.6	35.7	-25.5	43.4	17.8	V
17987.9	35.7	-25.5	43.4	17.8	V
17967.0	35.6	-25.5	43.4	17.7	V
5149.72	35.5	-17.0	33.4	19.1	V

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17876.8	35.7	-25.5	43.4	17.8	V
17937.3	35.7	-25.5	43.4	17.8	V
17964.8	35.7	-25.5	43.4	17.8	V
17973.6	35.7	-25.5	43.4	17.8	V
17961.5	35.6	-25.5	43.4	17.7	V
17972.5	35.6	-25.5	43.4	17.7	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17969.2	35.8	-25.5	43.4	17.9	V
17965.9	35.7	-25.5	43.4	17.8	V
17961.5	35.7	-25.5	43.4	17.8	V
17975.8	35.7	-25.5	43.4	17.8	H
17974.7	35.6	-25.5	43.4	17.7	V
17979.1	35.6	-25.5	43.4	17.7	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17958.2	35.9	-25.5	43.4	18.0	V
17963.7	35.7	-25.5	43.4	17.8	V
17953.8	35.6	-25.5	43.4	17.7	V
17962.6	35.6	-25.5	43.4	17.7	V
17973.6	35.6	-25.5	43.4	17.7	V
17991.2	35.6	-25.5	43.4	17.7	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17967.0	35.7	-25.5	43.4	17.8	V
17964.8	35.7	-25.5	43.4	17.8	H
17971.4	35.6	-25.5	43.4	17.7	V
17959.3	35.6	-25.5	43.4	17.7	V
17958.2	35.5	-25.5	43.4	17.6	V
17984.6	35.5	-25.5	43.4	17.6	V

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17968.1	35.8	-25.5	43.4	17.9	V
17982.4	35.7	-25.5	43.4	17.8	V
17964.8	35.7	-25.5	43.4	17.8	V
17961.5	35.6	-25.5	43.4	17.7	V
17954.9	35.5	-25.5	43.4	17.6	V
5374.7	34.8	-16.7	33.4	18.1	V

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17984.6	35.3	-25.5	43.4	17.4	H
17979.1	35.2	-25.5	43.4	17.3	V
17963.7	35.1	-25.5	43.4	17.2	V
17970.3	35.1	-25.5	43.4	17.2	H
17978.0	35.1	-25.5	43.4	17.2	H
5457.0	34.7	-16.8	33.4	18.1	V

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17971.4	35.3	-25.5	43.4	17.4	V
17969.2	35.2	-25.5	43.4	17.3	V
17962.6	35.2	-25.5	43.4	17.3	V
17974.7	35.1	-25.5	43.4	17.2	V
17949.4	35.1	-25.5	43.4	17.2	V
17968.1	35.1	-25.5	43.4	17.2	H

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17970.3	35.3	-25.5	43.4	17.4	H
17993.4	35.2	-25.5	43.4	17.3	V
17987.9	35.1	-25.5	43.4	17.2	V
17910.9	35.1	-25.5	43.4	17.2	V
17974.7	35.1	-25.5	43.4	17.2	V
5727.7	36.3	-16.3	34.2	18.5	H

802.11n-HT40

Channel 38

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17981.3	35.7	-25.5	43.4	17.8	V
17957.1	35.6	-25.5	43.4	17.7	V
17985.7	35.6	-25.5	43.4	17.7	V
17994.5	35.6	-25.5	43.4	17.7	V
17969.2	35.6	-25.5	43.4	17.7	V
5145.5	35.7	-17.0	33.4	19.3	V

Channel 46

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17959.3	35.8	-25.5	43.4	17.9	V
17997.8	35.6	-25.5	43.4	17.7	V
17979.1	35.6	-25.5	43.4	17.7	V
17984.6	35.5	-25.5	43.4	17.6	V
17976.9	35.5	-25.5	43.4	17.6	H
17964.8	35.5	-25.5	43.4	17.6	V

Channel 54

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17952.7	35.3	-25.5	43.4	17.4	V
17993.4	35.2	-25.5	43.4	17.3	V
17986.8	35.2	-25.5	43.4	17.3	V
17980.2	35.2	-25.5	43.4	17.3	H
17937.3	35.2	-25.5	43.4	17.3	V
17963.7	35.1	-25.5	43.4	17.2	V

Channel 62

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17978.0	35.4	-25.5	43.4	17.5	H
17962.6	35.3	-25.5	43.4	17.4	V
17992.3	35.3	-25.5	43.4	17.4	V
17972.5	35.2	-25.5	43.4	17.3	V
17949.4	35.2	-25.5	43.4	17.3	V
5351.1	35.8	-17.0	33.4	19.4	V

Channel 102

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17967.0	35.6	-25.5	43.4	17.7	V
17971.4	35.5	-25.5	43.4	17.6	V
17980.2	35.5	-25.5	43.4	17.6	V
17924.1	35.5	-25.5	43.4	17.6	V
17973.6	35.5	-25.5	43.4	17.6	V
5452.6	32.7	-16.8	33.4	16.1	V

Channel 118

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17990.1	35.7	-25.5	43.4	17.8	V
17971.4	35.6	-25.5	43.4	17.7	V
17976.9	35.5	-25.5	43.4	17.6	V
17993.4	35.5	-25.5	43.4	17.6	V
17997.8	35.5	-25.5	43.4	17.6	V
17975.8	35.4	-25.5	43.4	17.5	V

Channel 134

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17918.6	35.6	-25.5	43.4	17.7	V
17990.1	35.5	-25.5	43.4	17.6	V
17964.8	35.5	-25.5	43.4	17.6	V
17965.9	35.5	-25.5	43.4	17.6	V
17980.2	35.5	-25.5	43.4	17.6	V
5725.7	35.2	-16.3	34.2	17.3	H

802.11ac-HT20

Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17973.6	35.7	-25.5	43.4	17.8	V
17969.2	35.7	-25.5	43.4	17.8	H
17965.9	35.6	-25.5	43.4	17.7	V
17972.5	35.6	-25.5	43.4	17.7	V
17956.0	35.6	-25.5	43.4	17.7	V
5147.0	35.2	-17.0	33.4	18.8	V

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17970.3	35.9	-25.5	43.4	18.0	V
17971.4	35.7	-25.5	43.4	17.8	V
17969.2	35.7	-25.5	43.4	17.8	V
17981.3	35.7	-25.5	43.4	17.8	V
17965.9	35.6	-25.5	43.4	17.7	V
17967.0	35.6	-25.5	43.4	17.7	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17963.7	35.7	-25.5	43.4	17.8	V
17967.0	35.7	-25.5	43.4	17.8	V
17991.2	35.7	-25.5	43.4	17.8	V
17979.1	35.6	-25.5	43.4	17.7	V
17964.8	35.4	-25.5	43.4	17.5	V
17994.5	35.4	-25.5	43.4	17.5	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17969.2	35.8	-25.5	43.4	17.9	V
17986.8	35.7	-25.5	43.4	17.8	V
17980.2	35.6	-25.5	43.4	17.7	V
17978.0	35.6	-25.5	43.4	17.7	V
17950.5	35.5	-25.5	43.4	17.6	V
17964.8	35.5	-25.5	43.4	17.6	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17978.0	35.7	-25.5	43.4	17.8	V
17969.2	35.7	-25.5	43.4	17.8	V
17951.6	35.6	-25.5	43.4	17.7	V
17996.7	35.6	-25.5	43.4	17.7	V
17973.6	35.6	-25.5	43.4	17.7	V
17981.3	35.6	-25.5	43.4	17.7	V

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17980.2	35.7	-25.5	43.4	17.8	V
17962.6	35.6	-25.5	43.4	17.7	V
17950.5	35.6	-25.5	43.4	17.7	V
17982.4	35.6	-25.5	43.4	17.7	V
17963.7	35.6	-25.5	43.4	17.7	H
5363.5	32.0	-17.0	33.4	15.6	H

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17980.2	35.6	-25.5	43.4	17.7	V
17964.8	35.6	-25.5	43.4	17.7	V
17962.6	35.5	-25.5	43.4	17.6	V
17976.9	35.5	-25.5	43.4	17.6	V
17978.0	35.4	-25.5	43.4	17.5	V
5459.6	34.5	-16.8	33.4	17.9	V

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17986.8	35.6	-25.5	43.4	17.7	V
17946.1	35.6	-25.5	43.4	17.7	V
17975.8	35.5	-25.5	43.4	17.6	H
17997.8	35.5	-25.5	43.4	17.6	V
17973.6	35.5	-25.5	43.4	17.6	V
17941.7	35.4	-25.5	43.4	17.5	V

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17986.8	35.7	-25.5	43.4	17.8	V
17969.2	35.7	-25.5	43.4	17.8	V
17983.5	35.6	-25.5	43.4	17.7	V
17960.4	35.6	-25.5	43.4	17.7	V
17984.6	35.5	-25.5	43.4	17.6	H
5739.2	36.2	-16.3	34.2	18.4	H

802.11ac-HT40

Channel 38

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17967.0	35.6	-25.5	43.4	17.7	V
17990.1	35.6	-25.5	43.4	17.7	H
17963.7	35.6	-25.5	43.4	17.7	V
17987.9	35.5	-25.5	43.4	17.6	V
17980.2	35.5	-25.5	43.4	17.6	V
5149.23	35.3	-17.0	33.4	18.9	V

Channel 46

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17979.1	35.8	-25.5	43.4	17.9	V
17976.9	35.7	-25.5	43.4	17.8	V
17962.6	35.6	-25.5	43.4	17.7	V
17975.8	35.5	-25.5	43.4	17.6	V
17981.3	35.5	-25.5	43.4	17.6	V
17989.0	35.5	-25.5	43.4	17.6	H

Channel 54

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17987.9	35.6	-25.5	43.4	17.7	V
17974.7	35.4	-25.5	43.4	17.5	V
17969.2	35.3	-25.5	43.4	17.4	V
17979.1	35.3	-25.5	43.4	17.4	V
17985.7	35.3	-25.5	43.4	17.4	V
17975.8	35.2	-25.5	43.4	17.3	V

Channel 62

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17980.2	35.4	-25.5	43.4	17.5	V
17959.3	35.3	-25.5	43.4	17.4	V
17970.3	35.3	-25.5	43.4	17.4	V
17986.8	35.3	-25.5	43.4	17.4	V
17953.8	35.2	-25.5	43.4	17.3	V
5350.1	36.2	-17.0	33.4	19.8	V

Channel 102

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17970.3	35.7	-25.5	43.4	17.8	V
17986.8	35.6	-25.5	43.4	17.7	V
17959.3	35.5	-25.5	43.4	17.6	H
17964.8	35.5	-25.5	43.4	17.6	V
17975.8	35.5	-25.5	43.4	17.6	H
5452.6	33.0	-16.8	33.4	16.3	V

Channel 118

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17963.7	35.9	-25.5	43.4	18.0	V
17969.2	35.7	-25.5	43.4	17.8	V
17985.7	35.6	-25.5	43.4	17.7	V
17978.0	35.6	-25.5	43.4	17.7	V
17967.0	35.6	-25.5	43.4	17.7	H
17990.1	35.6	-25.5	43.4	17.7	H

Channel 134

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17979.1	35.8	-25.5	43.4	17.9	V
17970.3	35.6	-25.5	43.4	17.7	V
17969.2	35.6	-25.5	43.4	17.7	V
17973.6	35.6	-25.5	43.4	17.7	V
17984.6	35.5	-25.5	43.4	17.6	V
5725.7	35.0	-16.3	34.2	17.2	H

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17982.4	35.8	-25.5	43.4	17.9	V
17964.8	35.7	-25.5	43.4	17.8	V
17976.9	35.6	-25.5	43.4	17.7	V
17992.3	35.6	-25.5	43.4	17.7	V
17987.9	35.6	-25.5	43.4	17.7	V
5149.5	34.8	-17.0	33.4	18.4	V

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17959.3	35.4	-25.5	43.4	17.5	V
17994.5	35.3	-25.5	43.4	17.4	V
17948.3	35.2	-25.5	43.4	17.3	V
17973.6	35.2	-25.5	43.4	17.3	V
17975.8	35.2	-25.5	43.4	17.3	H
17972.5	35.2	-25.5	43.4	17.3	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17973.6	35.7	-25.5	43.4	17.8	V
17957.1	35.6	-25.5	43.4	17.7	V
17983.5	35.6	-25.5	43.4	17.7	V
17949.4	35.5	-25.5	43.4	17.6	V
17950.5	35.5	-25.5	43.4	17.6	V
5452.8	32.8	-16.8	33.4	16.2	V

Peak
802.11a

Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17964.8	47.89	-25.50	43.4	29.99	V
17975.8	47.52	-25.50	43.4	29.62	V
17948.3	47.37	-25.50	43.4	29.47	V
17989.0	47.20	-25.50	43.4	29.30	V
17984.6	47.19	-25.50	43.4	29.29	V
5142.5	45.02	-17.01	33.4	28.63	V

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17979.1	47.68	-25.50	43.4	29.78	V
17864.7	47.50	-25.50	43.4	29.60	V
17910.9	47.50	-25.50	43.4	29.60	V
17781.1	47.32	-25.50	43.4	29.42	V
17991.2	47.30	-25.50	43.4	29.40	H
17952.7	47.22	-25.50	43.4	29.32	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17897.7	47.75	-25.50	43.4	29.85	H
17981.3	47.71	-25.50	43.4	29.81	V
17969.2	47.40	-25.50	43.4	29.50	V
17451.1	47.36	-26.85	43.4	30.81	V
17943.9	47.34	-25.50	43.4	29.44	V
17956.0	47.30	-25.50	43.4	29.40	H

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17967.0	47.71	-25.50	43.4	29.81	H
17980.2	47.55	-25.50	43.4	29.65	V
17369.7	47.36	-25.95	40.1	33.21	V
17873.5	47.31	-25.50	43.4	29.41	H
17978.0	47.24	-25.50	43.4	29.34	H
17397.2	47.11	-26.85	43.4	30.56	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17990.1	47.32	-25.50	43.4	29.42	V
17959.3	47.25	-25.50	43.4	29.35	V
17855.9	47.21	-25.50	43.4	29.31	H
17818.5	47.08	-25.50	43.4	29.18	V
17743.7	47.07	-25.50	43.4	29.17	V
17938.4	47.04	-25.50	43.4	29.14	H

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17799.8	48.06	-25.50	43.4	30.16	H
17602.9	47.57	-25.74	43.4	29.91	V
17864.7	47.51	-25.50	43.4	29.61	H
17952.7	47.29	-25.50	43.4	29.39	V
17858.1	47.25	-25.50	43.4	29.35	H
5363.0	44.77	-16.95	33.4	28.32	H

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17949.4	47.4	-25.5	43.4	29.5	H
17992.3	47.3	-25.5	43.4	29.4	V
17956.0	47.1	-25.5	43.4	29.2	H
17745.9	47.0	-25.5	43.4	29.1	V
17940.6	46.8	-25.5	43.4	28.9	V
5459.0	46.7	-16.8	33.4	30.1	H

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17872.4	47.3	-25.5	43.4	29.4	V
17630.4	47.3	-25.7	43.4	29.6	V
17958.2	46.9	-25.5	43.4	29.0	V
17869.1	46.8	-25.5	43.4	28.9	V
17970.3	46.8	-25.5	43.4	28.9	V
17866.9	46.8	-25.5	43.4	28.9	H

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17873.5	47.4	-25.5	43.4	29.5	V
17980.2	47.0	-25.5	43.4	29.1	V
17951.6	47.0	-25.5	43.4	29.1	H
17851.5	46.9	-25.5	43.4	29.0	H
17462.1	46.8	-26.9	43.4	30.3	H
5729.8	49.3	-16.3	34.2	31.5	H

802.11n-HT20

Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17507.2	48.76	-26.85	43.4	32.21	H
17961.5	47.30	-25.50	43.4	29.40	H
17870.2	47.23	-25.50	43.4	29.33	V
17483.0	47.11	-26.85	43.4	30.56	V
17990.1	47.06	-25.50	43.4	29.16	H
5136.9	48.09	-17.01	33.4	31.70	V

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17936.2	47.62	-25.50	43.4	29.72	V
17343.3	47.45	-25.95	40.1	33.30	V
17626.0	47.43	-25.74	43.4	29.77	V
17395.0	47.39	-26.85	43.4	30.84	H
17984.6	47.12	-25.50	43.4	29.22	H
17948.3	46.96	-25.50	43.4	29.06	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17926.3	47.48	-25.50	43.4	29.58	H
17938.4	47.35	-25.50	43.4	29.45	V
17954.9	47.25	-25.50	43.4	29.35	V
17529.2	47.02	-26.85	43.4	30.47	V
17337.8	46.98	-25.95	40.1	32.83	V
17864.7	46.84	-25.50	43.4	28.94	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17973.6	48.03	-25.50	43.4	30.13	V
17964.8	47.59	-25.50	43.4	29.69	H
17943.9	47.46	-25.50	43.4	29.56	V
17885.6	47.33	-25.50	43.4	29.43	V
17927.4	47.26	-25.50	43.4	29.36	V
17946.1	47.04	-25.50	43.4	29.14	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17898.8	47.35	-25.50	43.4	29.45	V
17907.6	47.17	-25.50	43.4	29.27	V
17940.6	47.16	-25.50	43.4	29.26	V
17958.2	47.10	-25.50	43.4	29.20	V
17854.8	47.08	-25.50	43.4	29.18	V
17952.7	47.05	-25.50	43.4	29.15	V

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17848.2	47.37	-25.50	43.4	29.47	V
17888.9	47.37	-25.50	43.4	29.47	H
17501.7	47.29	-26.85	43.4	30.74	H
17954.9	47.29	-25.50	43.4	29.39	V
17915.3	47.26	-25.50	43.4	29.36	H
5372.4	47.32	-16.95	33.4	30.87	V

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17599.6	47.5	-25.7	43.4	29.8	V
17981.3	47.1	-25.5	43.4	29.2	H
17967.0	46.9	-25.5	43.4	29.0	H
17618.3	46.8	-25.7	43.4	29.2	H
17890.0	46.7	-25.5	43.4	28.8	V
5456.2	51.1	-16.8	33.4	34.4	H

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17993.4	47.3	-25.5	43.4	29.4	V
17223.4	47.3	-26.0	40.1	33.1	V
17986.8	46.8	-25.5	43.4	28.9	H
17807.5	46.8	-25.5	43.4	28.9	V
17661.2	46.7	-25.7	43.4	29.0	H
17997.8	46.7	-25.5	43.4	28.8	H

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17982.4	47.4	-25.5	43.4	29.5	V
17838.3	47.3	-25.5	43.4	29.4	V
17973.6	47.2	-25.5	43.4	29.3	V
17976.9	47.0	-25.5	43.4	29.1	H
17978.0	46.9	-25.5	43.4	29.0	V
5730.3	49.0	-16.3	34.2	31.1	V

802.11n-HT40

Channel 38

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17978.0	47.56	-25.50	43.4	29.66	V
17412.6	47.48	-26.85	43.4	30.93	V
17960.4	47.37	-25.50	43.4	29.47	H
17842.7	47.23	-25.50	43.4	29.33	V
17718.4	47.16	-25.74	43.4	29.50	H
5147.0	48.43	-17.01	33.4	32.04	V

Channel 46

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17985.7	47.70	-25.50	43.4	29.80	V
17899.9	47.65	-25.50	43.4	29.75	V
17826.2	47.60	-25.50	43.4	29.70	V
17953.8	47.26	-25.50	43.4	29.36	H
17660.1	47.11	-25.74	43.4	29.45	V
17968.1	47.03	-25.50	43.4	29.13	V

Channel 54

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17858.1	47.60	-25.50	43.4	29.70	H
17983.5	47.11	-25.50	43.4	29.21	H
17971.4	46.86	-25.50	43.4	28.96	V
17668.9	46.84	-25.74	43.4	29.18	H
17877.9	46.75	-25.50	43.4	28.85	H
17562.2	46.68	-25.74	43.4	29.02	H

Channel 62

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17923.0	47.63	-25.50	43.4	29.73	V
17972.5	47.27	-25.50	43.4	29.37	V
17993.4	47.00	-25.50	43.4	29.10	H
17840.5	46.97	-25.50	43.4	29.07	V
17976.9	46.97	-25.50	43.4	29.07	V
5350.2	47.92	-16.95	33.4	31.47	V

Channel 102

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17932.9	47.5	-25.5	43.4	29.6	V
17491.8	47.3	-26.9	43.4	30.8	V
17968.1	47.2	-25.5	43.4	29.3	V
17828.4	47.1	-25.5	43.4	29.2	V
17821.8	47.1	-25.5	43.4	29.2	V
5450.4	44.9	-16.8	33.4	28.3	H

Channel 118

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17365.3	47.5	-26.0	40.1	33.3	V
17903.2	47.4	-25.5	43.4	29.5	H
17630.4	47.0	-25.7	43.4	29.3	H
17993.4	47.0	-25.5	43.4	29.1	V
17362.0	46.9	-26.0	40.1	32.8	V
17777.8	46.9	-25.5	43.4	29.0	V

Channel 134

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17430.2	47.4	-26.9	43.4	30.9	V
17942.8	47.3	-25.5	43.4	29.4	V
17995.6	47.2	-25.5	43.4	29.3	V
17941.7	47.2	-25.5	43.4	29.3	V
17968.1	47.1	-25.5	43.4	29.2	V
5732.8	47.4	-16.3	34.2	29.5	V

802.11ac-HT20

Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17946.1	48.00	-25.50	43.4	30.10	V
17653.5	47.87	-25.74	43.4	30.21	V
17816.3	47.72	-25.50	43.4	29.82	V
17973.6	47.42	-25.50	43.4	29.52	V
17976.9	47.08	-25.50	43.4	29.18	V
5143.9	55.63	-17.01	33.4	39.24	H

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17761.3	48.03	-25.50	43.4	30.13	H
17890.0	47.74	-25.50	43.4	29.84	V
17950.5	47.71	-25.50	43.4	29.81	H
17908.7	47.58	-25.50	43.4	29.68	V
17828.4	47.02	-25.50	43.4	29.12	H
17855.9	47.00	-25.50	43.4	29.10	H

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17974.7	47.30	-25.50	43.4	29.40	H
17928.5	47.19	-25.50	43.4	29.29	H
17836.1	47.04	-25.50	43.4	29.14	V
17913.1	47.04	-25.50	43.4	29.14	H
17985.7	46.96	-25.50	43.4	29.06	V
17516.0	46.93	-26.85	43.4	30.38	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17474.2	47.39	-26.85	43.4	30.84	V
17959.3	47.37	-25.50	43.4	29.47	H
17473.1	47.00	-26.85	43.4	30.45	H
17741.5	46.97	-25.50	43.4	29.07	V
17953.8	46.97	-25.50	43.4	29.07	V
17827.3	46.85	-25.50	43.4	28.95	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17851.5	48.01	-25.50	43.4	30.11	V
17985.7	47.28	-25.50	43.4	29.38	V
17496.2	47.19	-26.85	43.4	30.64	V
17954.9	46.99	-25.50	43.4	29.09	H
17854.8	46.97	-25.50	43.4	29.07	V
17503.9	46.93	-26.85	43.4	30.38	H

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17969.2	48.17	-25.50	43.4	30.27	V
17983.5	47.82	-25.50	43.4	29.92	H
17777.8	47.44	-25.50	43.4	29.54	H
17976.9	47.37	-25.50	43.4	29.47	H
17958.2	47.20	-25.50	43.4	29.30	V
5352.2	45.14	-16.95	33.4	28.69	V

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17759.1	48.1	-25.5	43.4	30.2	H
17958.2	47.5	-25.5	43.4	29.6	H
17913.1	47.4	-25.5	43.4	29.5	H
17993.4	47.1	-25.5	43.4	29.2	V
17953.8	46.9	-25.5	43.4	29.0	V
5457.1	47.0	-16.8	33.4	30.3	V

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17959.3	48.0	-25.5	43.4	30.1	V
17984.6	47.4	-25.5	43.4	29.5	V
17972.5	47.3	-25.5	43.4	29.4	H
17859.2	47.3	-25.5	43.4	29.4	H
17848.2	47.2	-25.5	43.4	29.3	V
17994.5	47.1	-25.5	43.4	29.2	V

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17968.1	47.5	-25.5	43.4	29.6	H
17919.7	47.4	-25.5	43.4	29.5	H
17969.2	47.1	-25.5	43.4	29.2	V
17974.7	47.1	-25.5	43.4	29.2	H
17609.5	47.1	-25.7	43.4	29.4	V
5735.6	54.9	-16.3	34.2	37.0	V

802.11ac-HT40

Channel 38

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17540.2	47.98	-26.85	43.4	31.43	V
17820.7	47.53	-25.50	43.4	29.63	V
17989.0	47.32	-25.50	43.4	29.42	H
17633.7	47.22	-25.74	43.4	29.56	V
17835.0	47.16	-25.50	43.4	29.26	V
5132.6	58.63	-17.01	33.4	42.24	V

Channel 46

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17505.0	47.48	-26.85	43.4	30.93	H
17499.5	47.42	-26.85	43.4	30.87	V
17989	47.27	-25.50	43.4	29.37	H
17478.6	46.98	-26.85	43.4	30.43	V
17302.6	46.95	-25.95	40.1	32.80	V
17410.4	46.94	-26.85	43.4	30.39	V

Channel 54

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17996.7	47.44	-25.50	43.4	29.54	V
17857.0	47.30	-25.50	43.4	29.40	V
17982.4	47.18	-25.50	43.4	29.28	H
17957.1	47.07	-25.50	43.4	29.17	V
17989.0	46.77	-25.50	43.4	28.87	H
17952.7	46.76	-25.50	43.4	28.86	V

Channel 62

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17967.0	47.15	-25.50	43.4	29.25	V
17945.0	46.92	-25.50	43.4	29.02	H
17597.4	46.88	-25.74	43.4	29.22	H
17239.9	46.81	-25.95	40.1	32.66	H
17705.2	46.75	-25.74	43.4	29.09	V
5351.4	48.26	-16.95	33.4	31.81	V

Channel 102

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17880.1	47.5	-25.5	43.4	29.6	V
17688.7	47.5	-25.7	43.4	29.8	V
17947.2	47.0	-25.5	43.4	29.1	V
17980.2	47.0	-25.5	43.4	29.1	V
17332.3	46.9	-26.0	40.1	32.8	H
5455.0	45.1	-16.8	33.4	28.5	V

Channel 118

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17880.1	48.0	-25.5	43.4	30.1	V
17369.7	47.3	-26.0	40.1	33.2	H
17985.7	47.1	-25.5	43.4	29.2	V
17401.6	47.0	-26.9	43.4	30.4	H
17893.3	47.0	-25.5	43.4	29.1	H
17012.2	47.0	-26.3	40.1	33.2	V

Channel 134

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17972.5	47.5	-25.5	43.4	29.6	V
17996.7	47.3	-25.5	43.4	29.4	H
17874.6	47.2	-25.5	43.4	29.3	H
17960.4	47.2	-25.5	43.4	29.3	V
17992.3	47.1	-25.5	43.4	29.2	H
5731.1	47.0	-16.3	34.2	29.1	H

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17883.4	47.97	-25.50	43.4	30.07	V
17954.9	47.85	-25.50	43.4	29.95	H
17961.5	47.47	-25.50	43.4	29.57	H
17692.0	47.46	-25.74	43.4	29.80	V
17958.2	47.30	-25.50	43.4	29.40	H
5145.7	49.32	-17.01	33.4	32.93	V

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17976.9	47.37	-25.50	43.4	29.47	V
17852.6	47.09	-25.50	43.4	29.19	V
17536.9	46.89	-26.85	43.4	30.34	H
17608.4	46.85	-25.74	43.4	29.19	V
17989.0	46.81	-25.50	43.4	28.91	V
17843.8	46.74	-25.50	43.4	28.84	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Antenna Pol. (H/V)
17551.2	47.4	-26.9	43.4	30.9	V
17978.0	47.4	-25.5	43.4	29.5	V
17949.4	47.3	-25.5	43.4	29.4	V
17883.4	47.1	-25.5	43.4	29.2	V
17697.5	47.0	-25.7	43.4	29.3	V
5452.9	45.2	-16.8	33.4	28.6	V

Sample calculation: 802.11ac 80MHz CH42–Peak, 5145.7 MHz

Peak ERP(dBm) = $P_{Mea}(32.93\text{dB}\mu\text{V/m}) + \text{Cable Loss}(-17.01) + \text{Antenna Factor}(33.4) = 49.32 \text{ dB}\mu\text{V/m}$

A.7. AC Powerline Conducted Emission (150kHz- 30MHz)

Test Condition:

Voltage (V)	Frequency (Hz)
110	60

Measurement uncertainty:

Expanded measurement uncertainty for this test item is $U = 3.08\text{dB}$, $k=2$.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.87 Fig.89	Fig.88 Fig.90	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.87 Fig.89	Fig.88 Fig.90	P
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Conclusion: PASS

Test graphs as below: