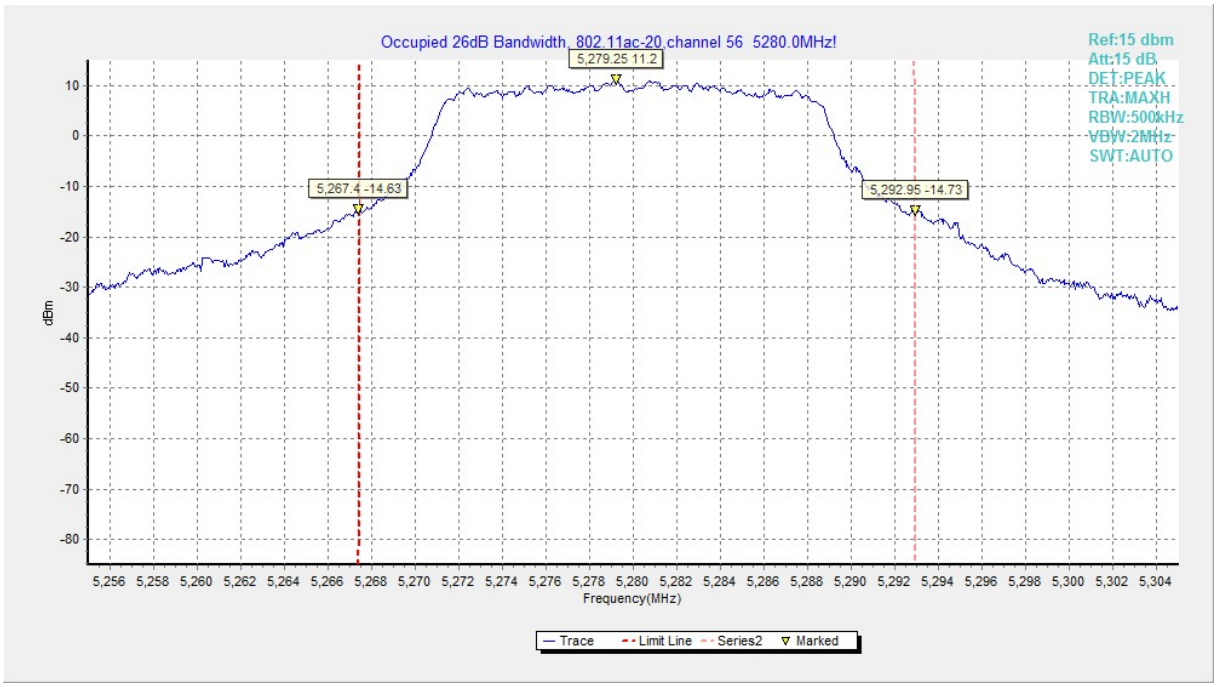

Fig.23 Occupied 26dB Bandwidth (802.11ac-HT20, 5280MHz)

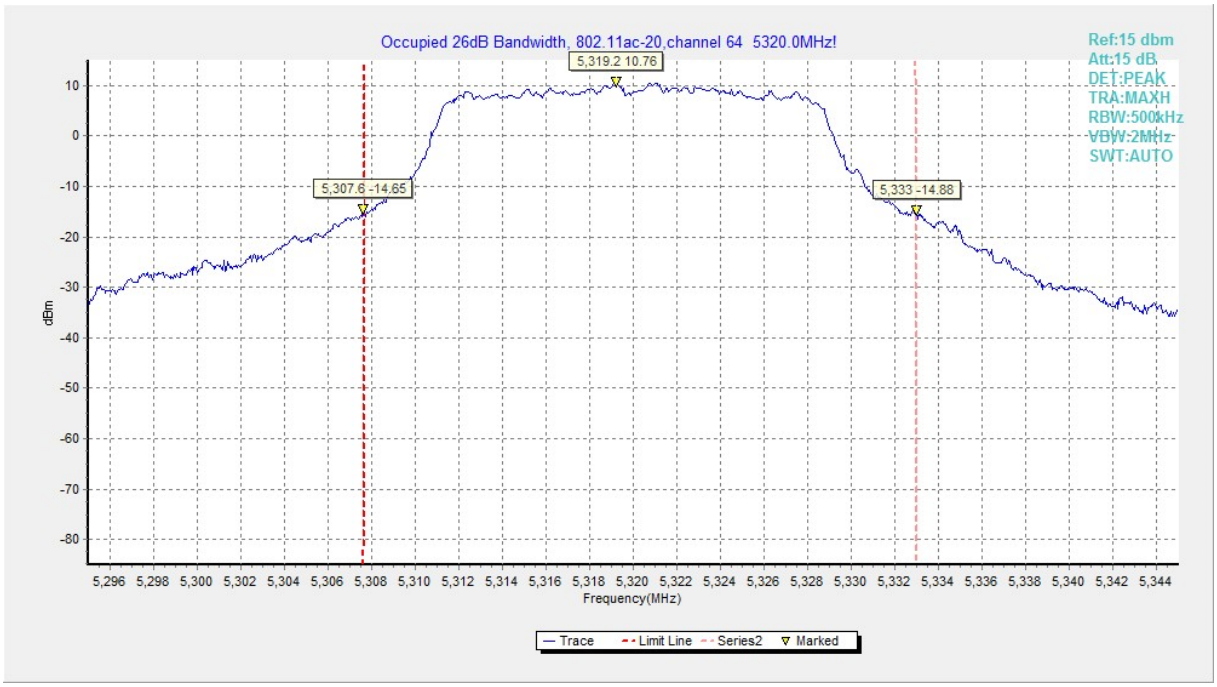

Fig.24 Occupied 26dB Bandwidth (802.11ac-HT20, 5320MHz)

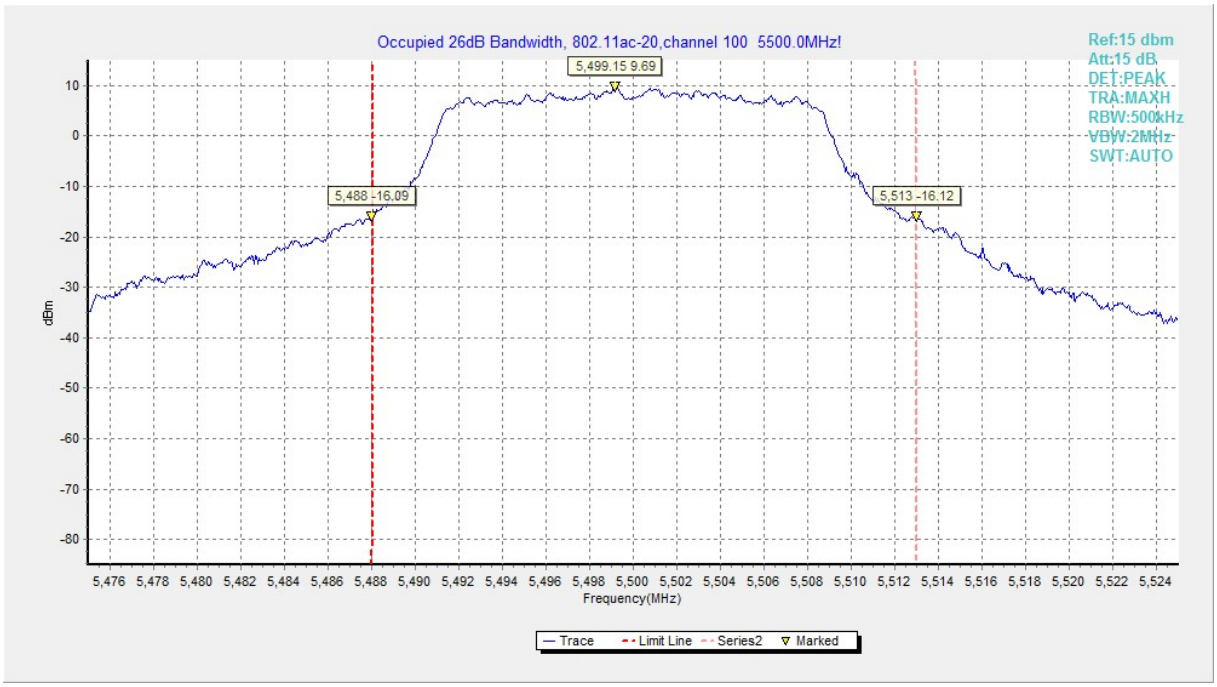

Fig.25 Occupied 26dB Bandwidth (802. 11ac-HT20, 5500MHz)

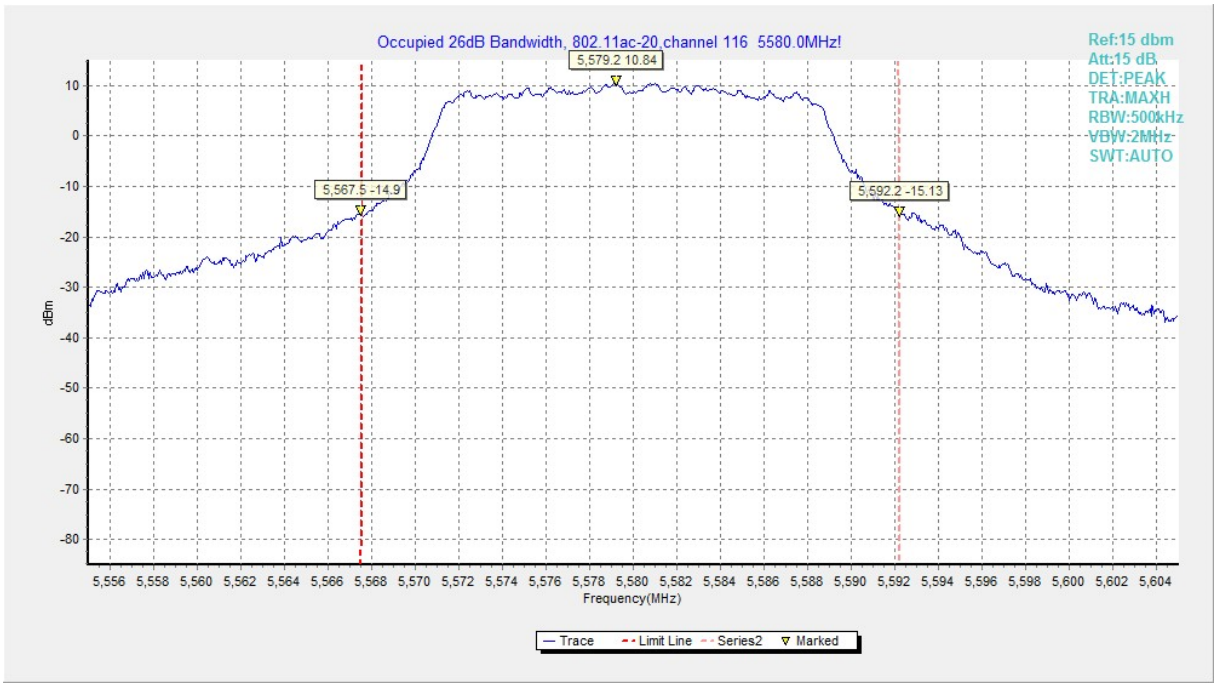

Fig.26 Occupied 26dB Bandwidth (802. 11ac-HT20, 5580MHz)

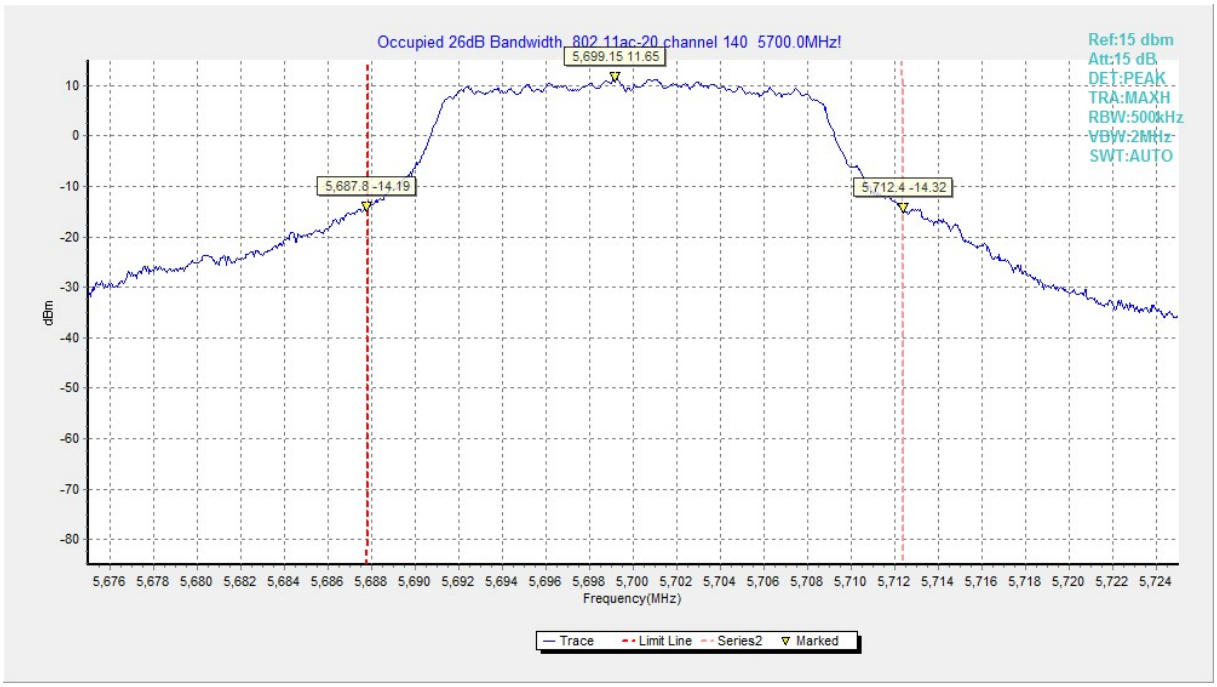

Fig.27 Occupied 26dB Bandwidth (802. 11ac-HT20, 5700MHz)

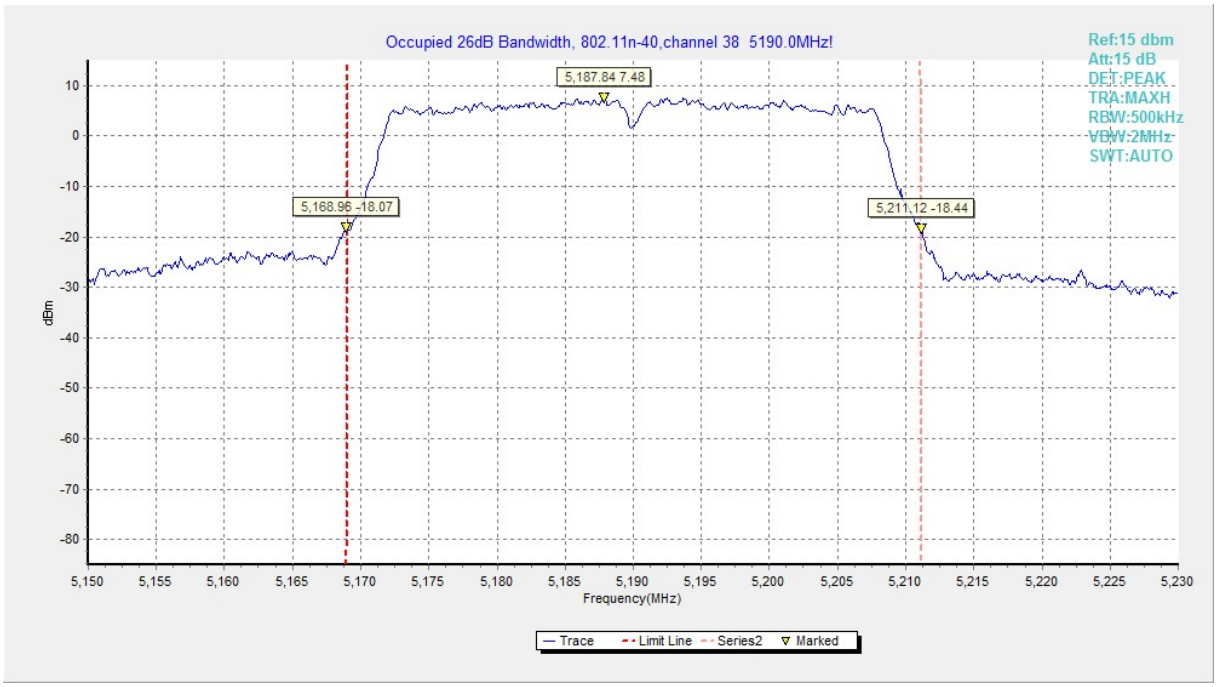

Fig.28 Occupied 26dB Bandwidth (802.11n-HT40, 5190MHz)

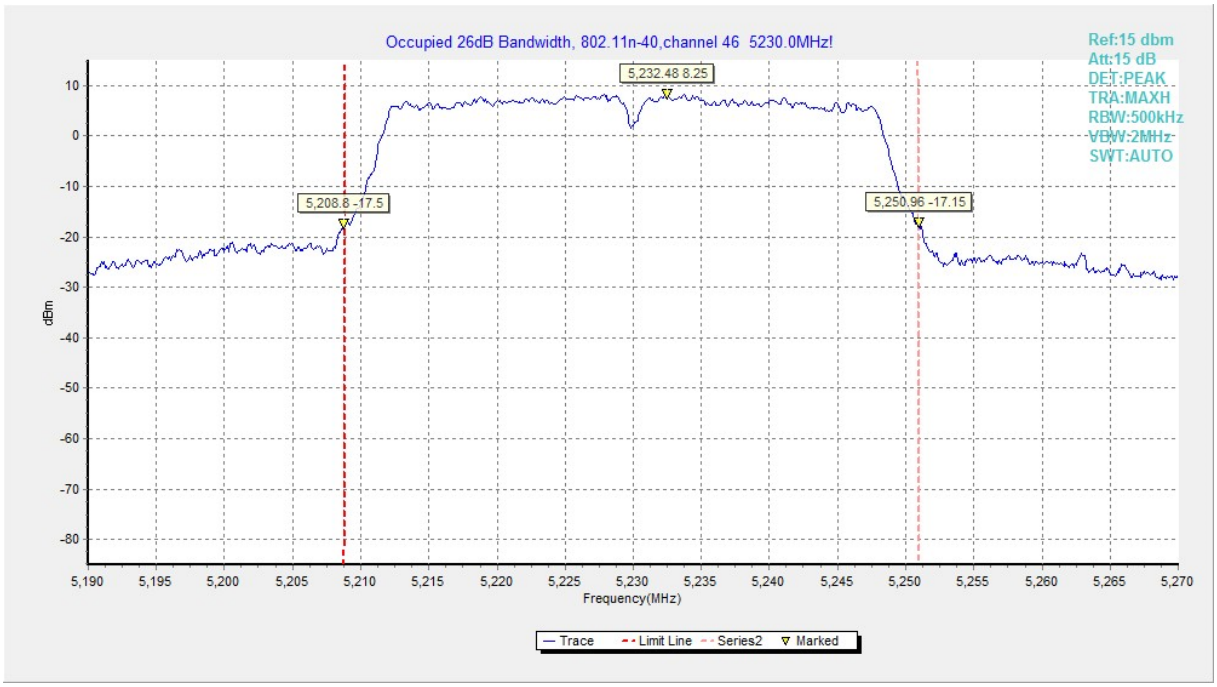

Fig.29 Occupied 26dB Bandwidth (802.11n-HT40, 5230MHz)

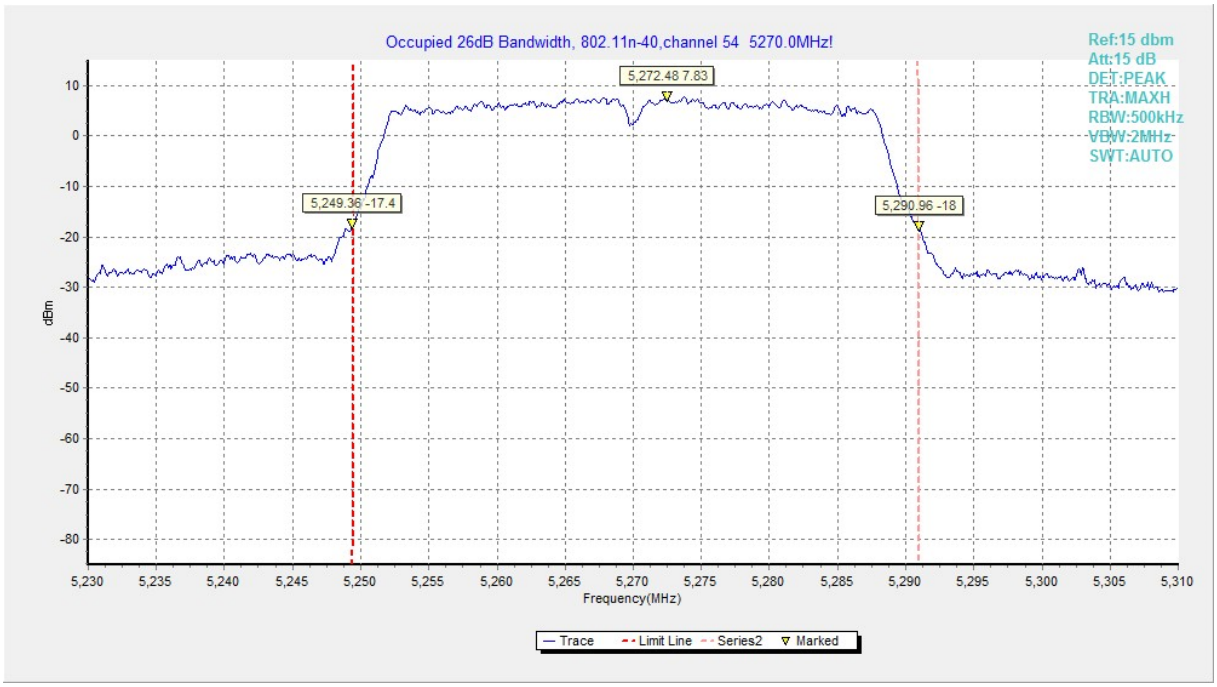

Fig.30 Occupied 26dB Bandwidth (802.11n-HT40, 5270MHz)

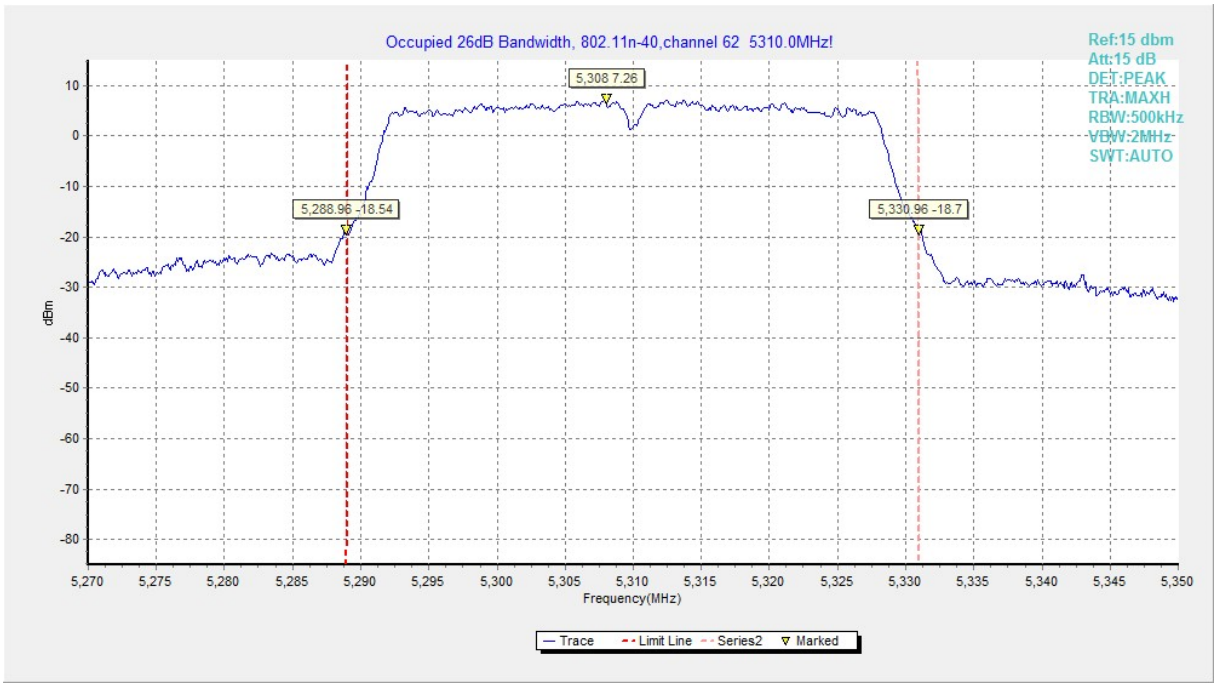

Fig.31 Occupied 26dB Bandwidth (802.11n-HT40, 5310MHz)

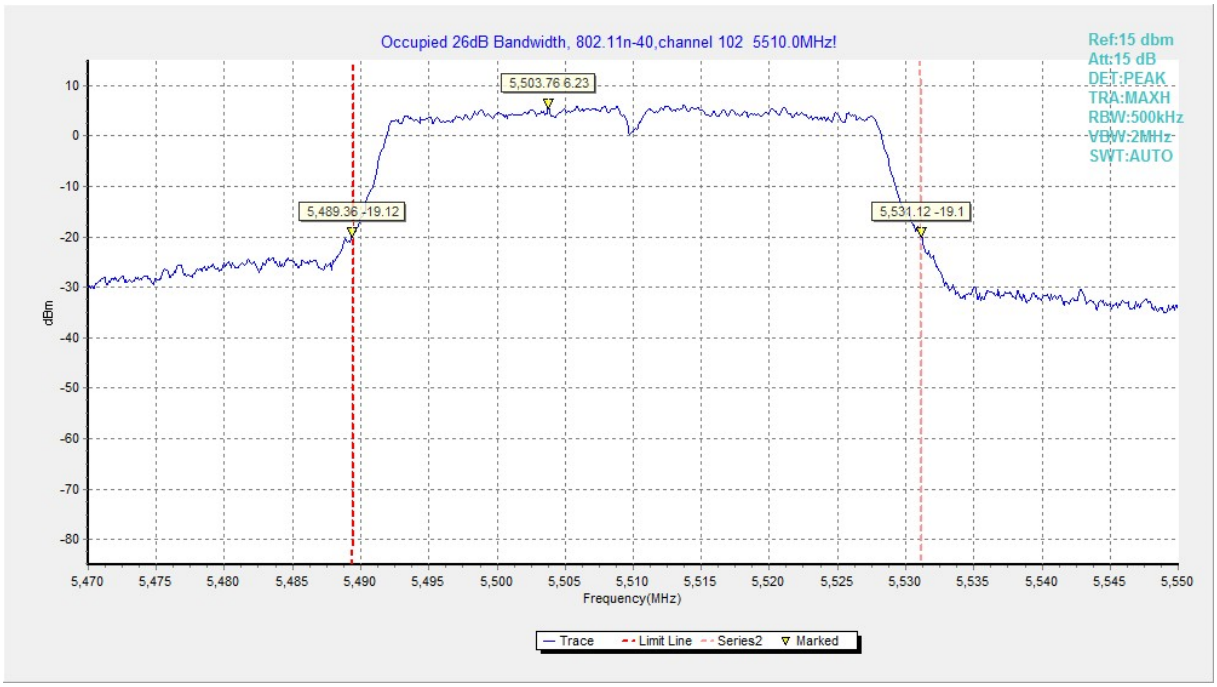

Fig.32 Occupied 26dB Bandwidth (802. 11n-HT40, 5510MHz)

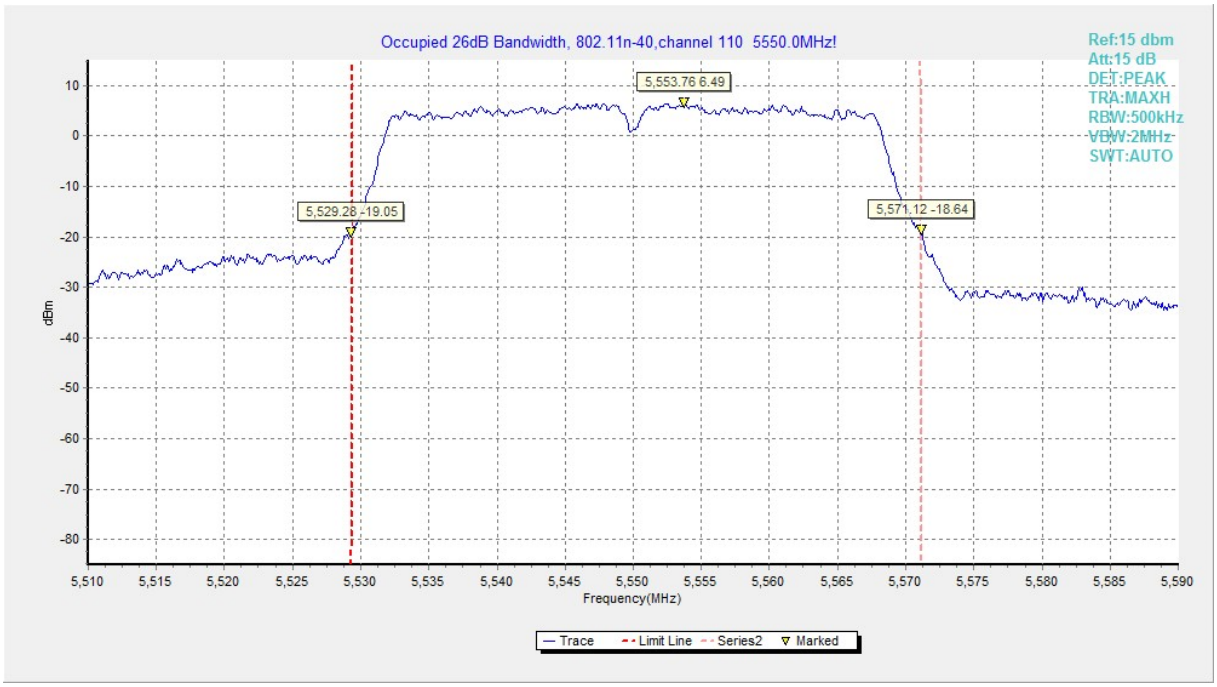

Fig.33 Occupied 26dB Bandwidth (802. 11n-HT40, 5590MHz)

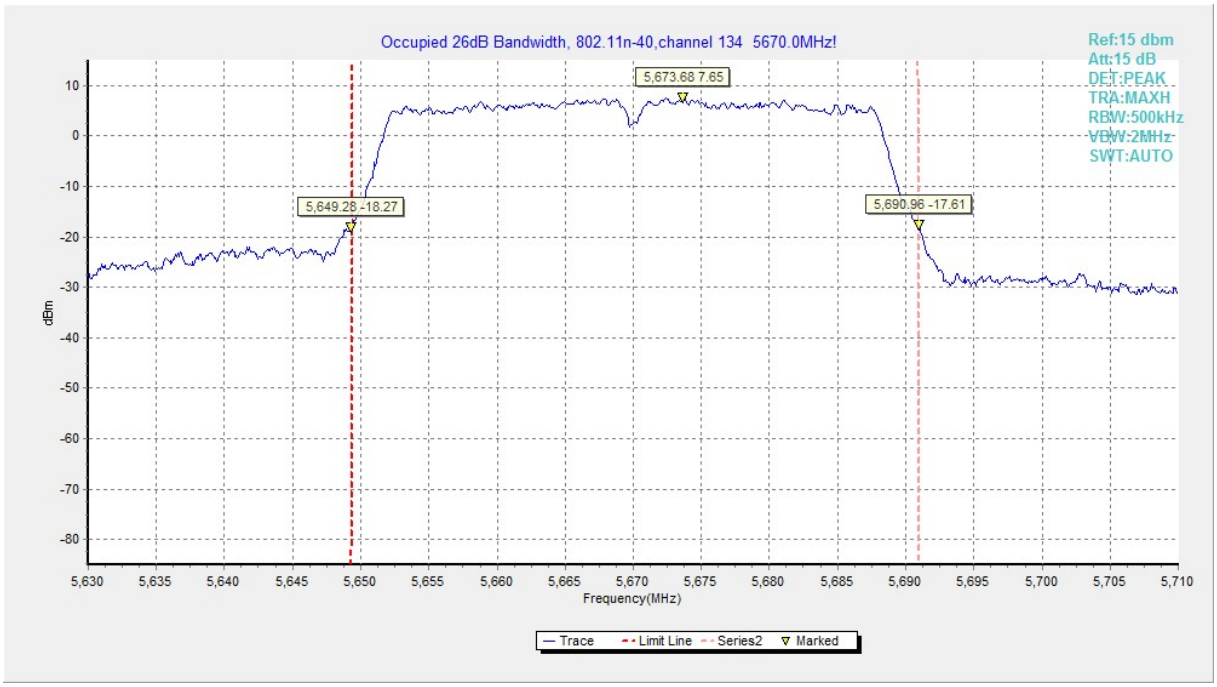

Fig.34 Occupied 26dB Bandwidth (802. 11n-HT40, 5670MHz)

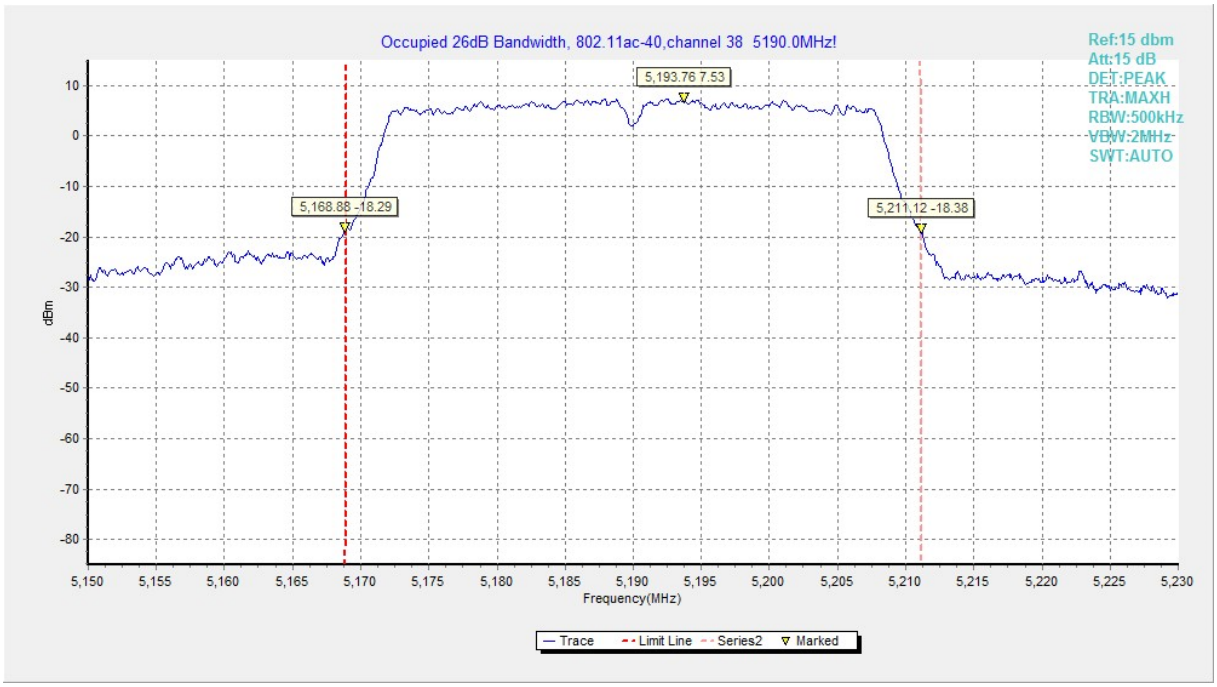

Fig.35 Occupied 26dB Bandwidth (802.11ac-HT40, 5190MHz)

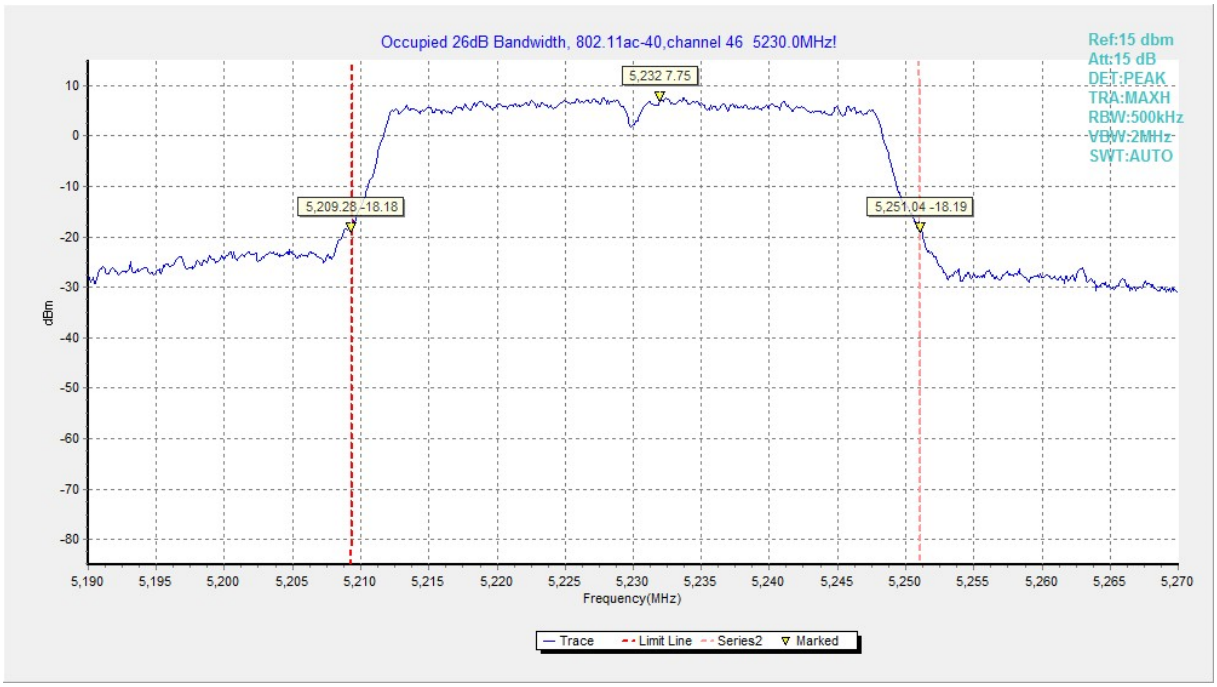

Fig.36 Occupied 26dB Bandwidth (802.11ac-HT40, 5230MHz)

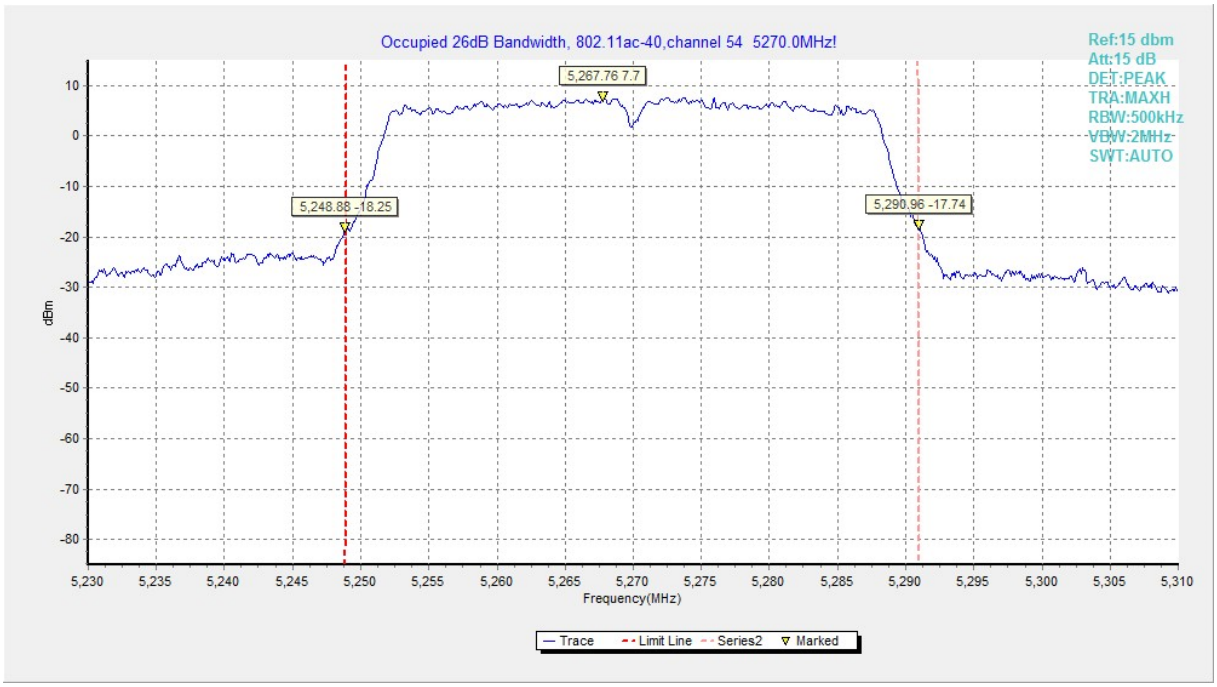

Fig.37 Occupied 26dB Bandwidth (802.11ac-HT40, 5270MHz)

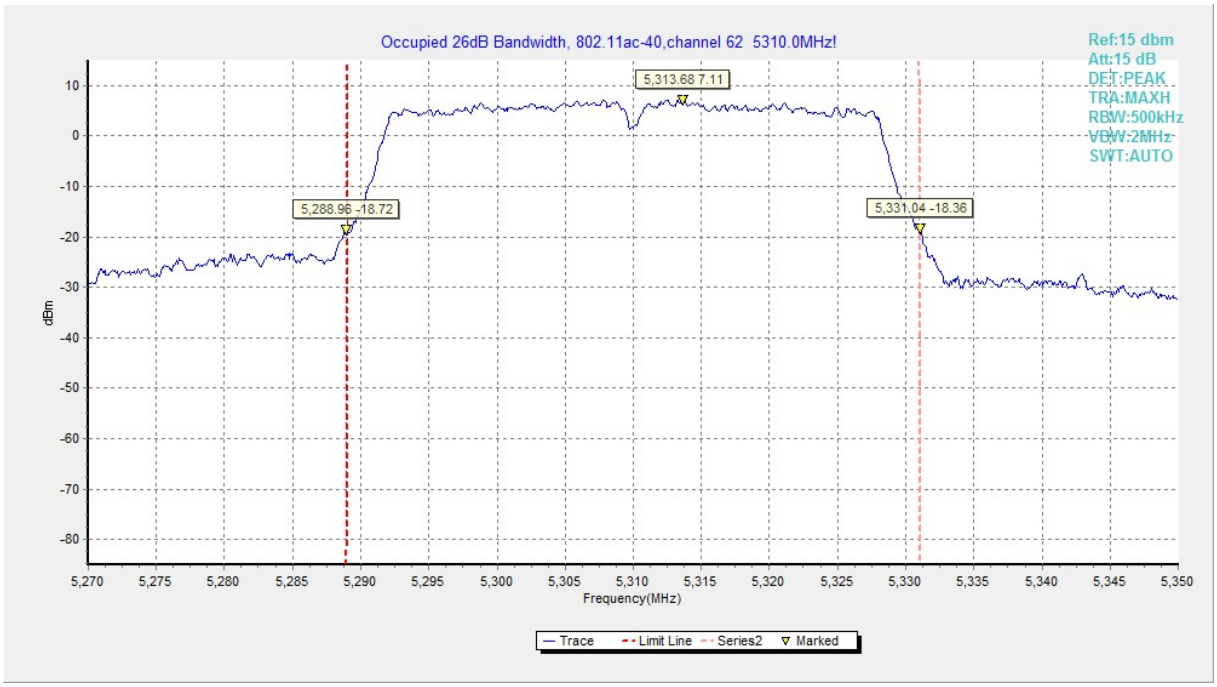

Fig.38 Occupied 26dB Bandwidth (802.11ac-HT40, 5310MHz)

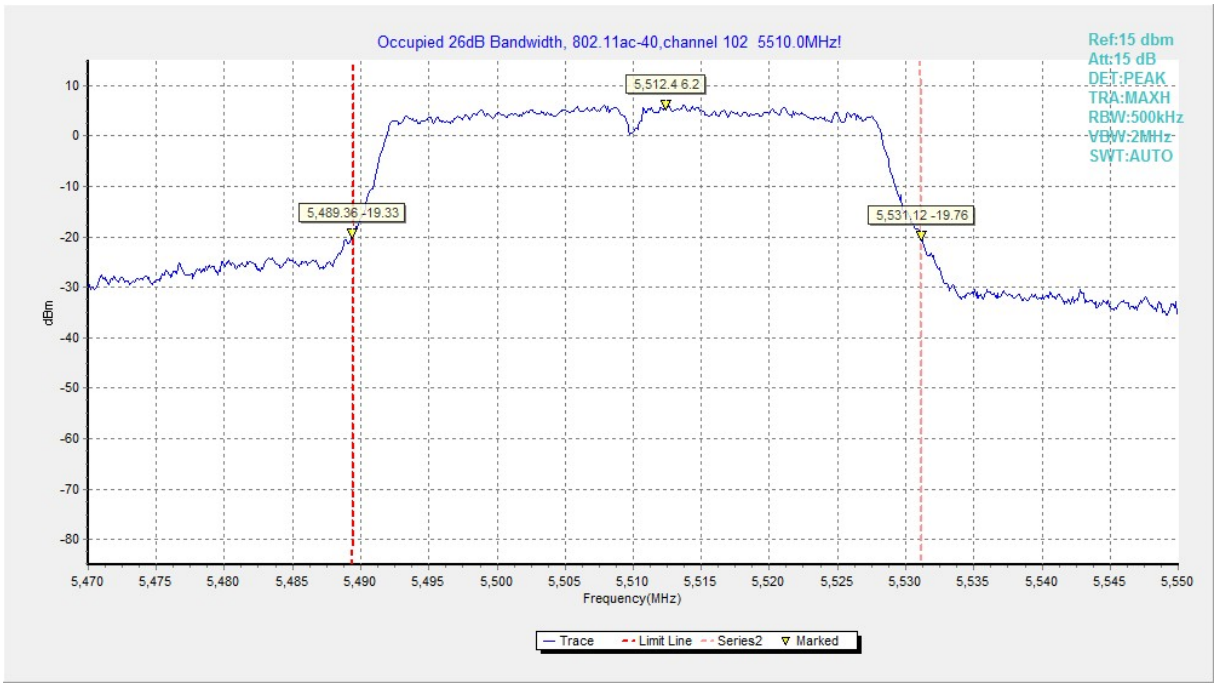

Fig.39 Occupied 26dB Bandwidth (802. 11ac-HT40, 5510MHz)

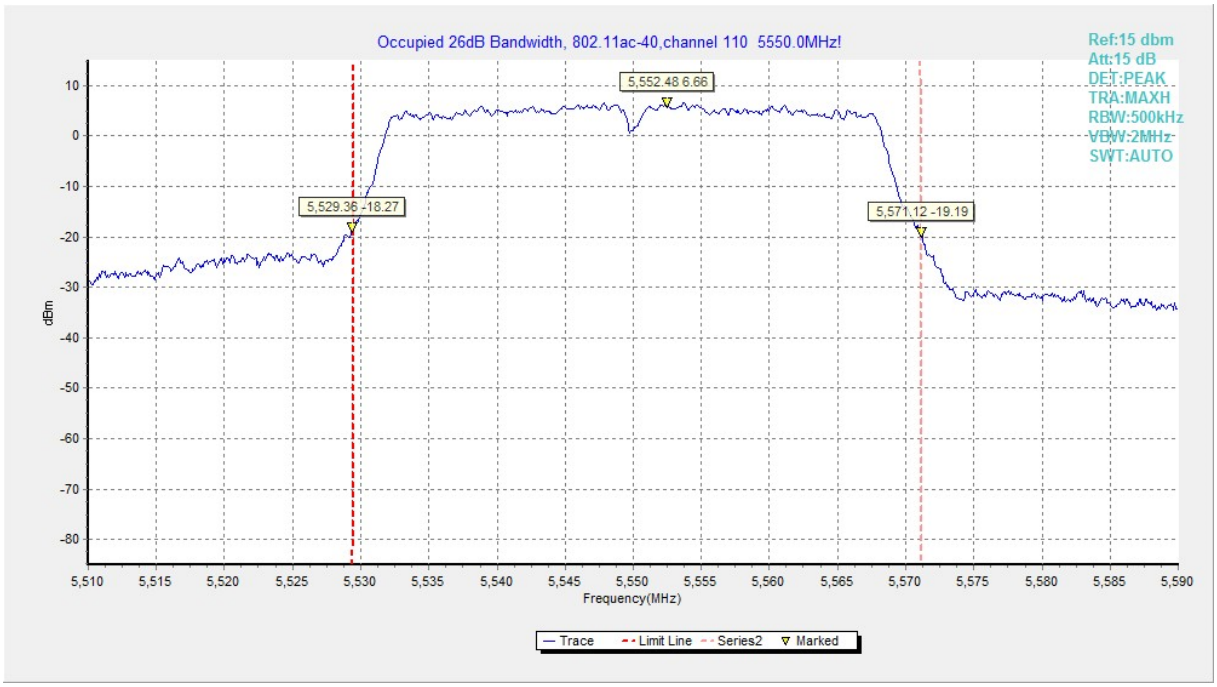

Fig.40 Occupied 26dB Bandwidth (802. 11ac-HT40, 5550MHz)

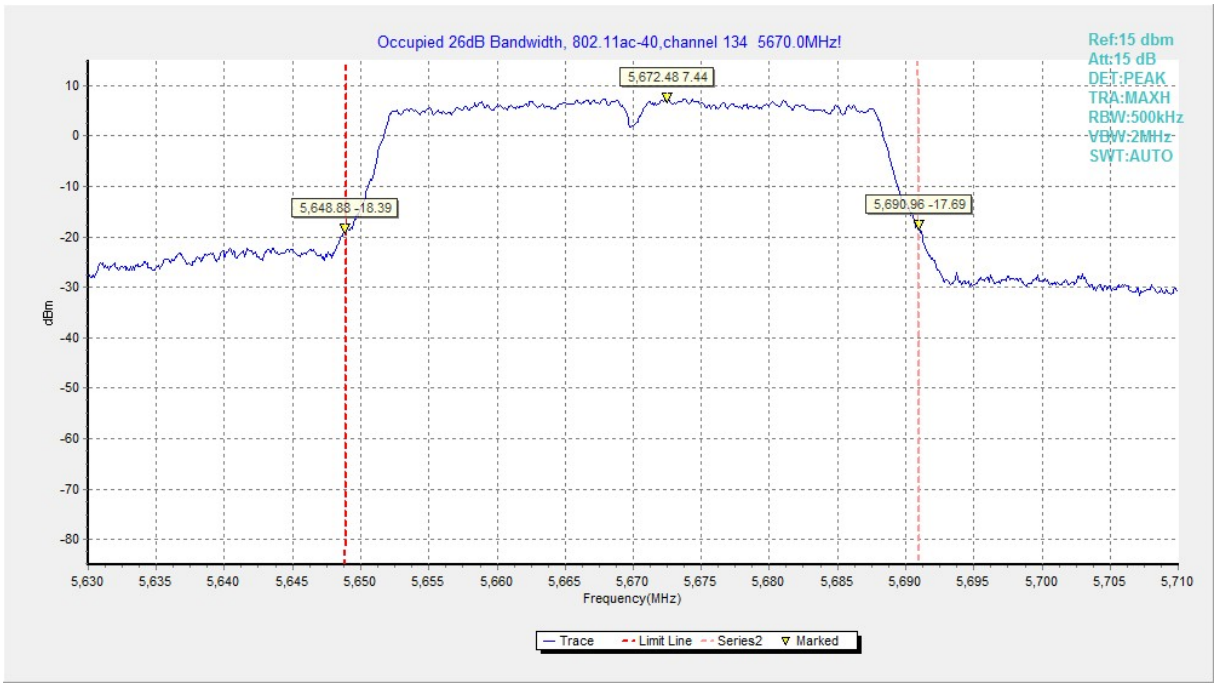

Fig.41 Occupied 26dB Bandwidth (802. 11ac-HT40, 5670MHz)

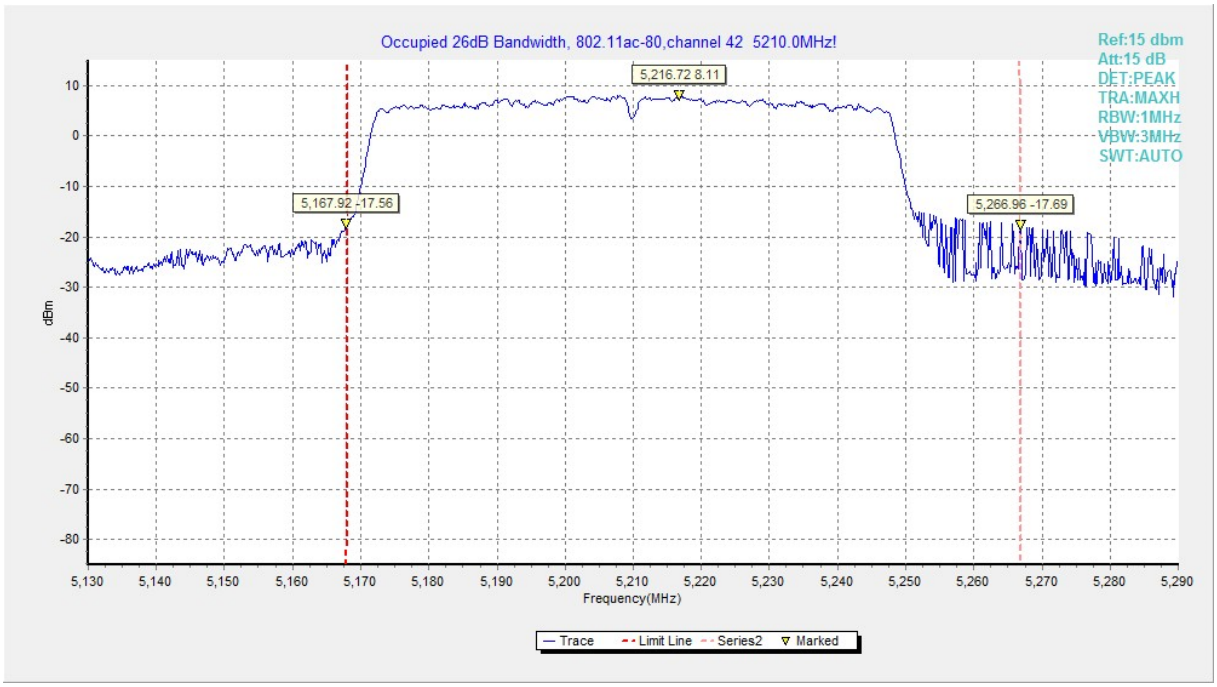

Fig.42 Occupied 26dB Bandwidth (802. 11ac-HT80, 5210MHz)

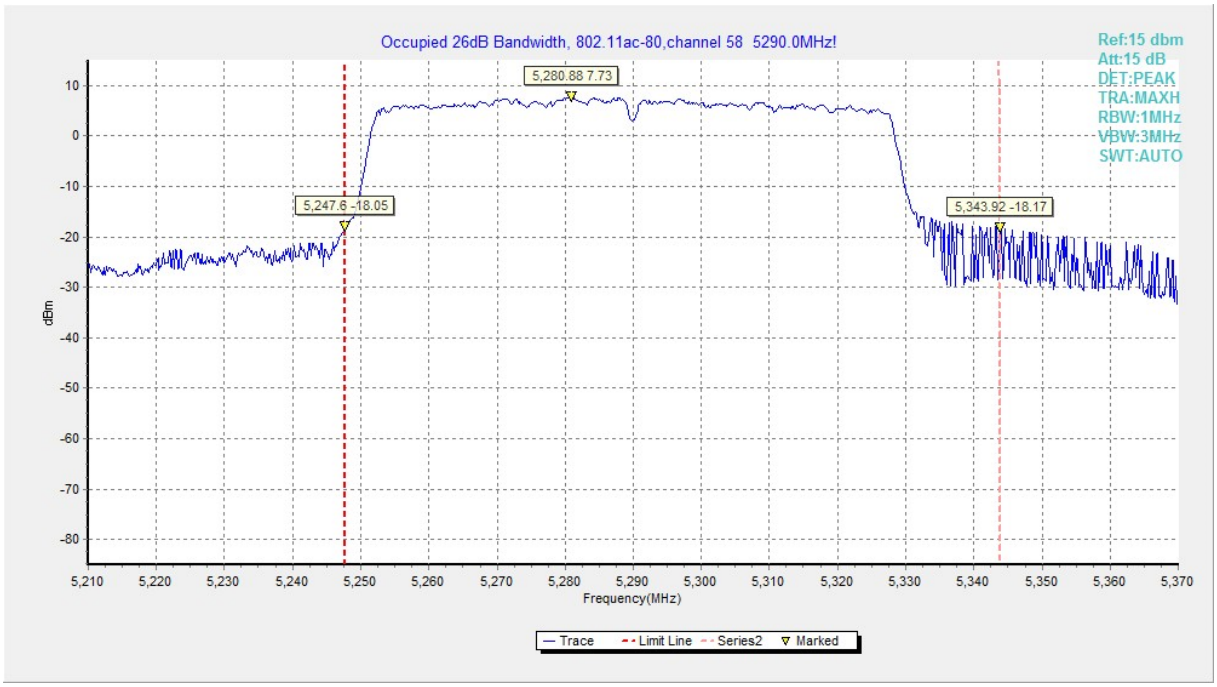

Fig.43 Occupied 26dB Bandwidth (802. 11ac-HT80, 5290MHz)

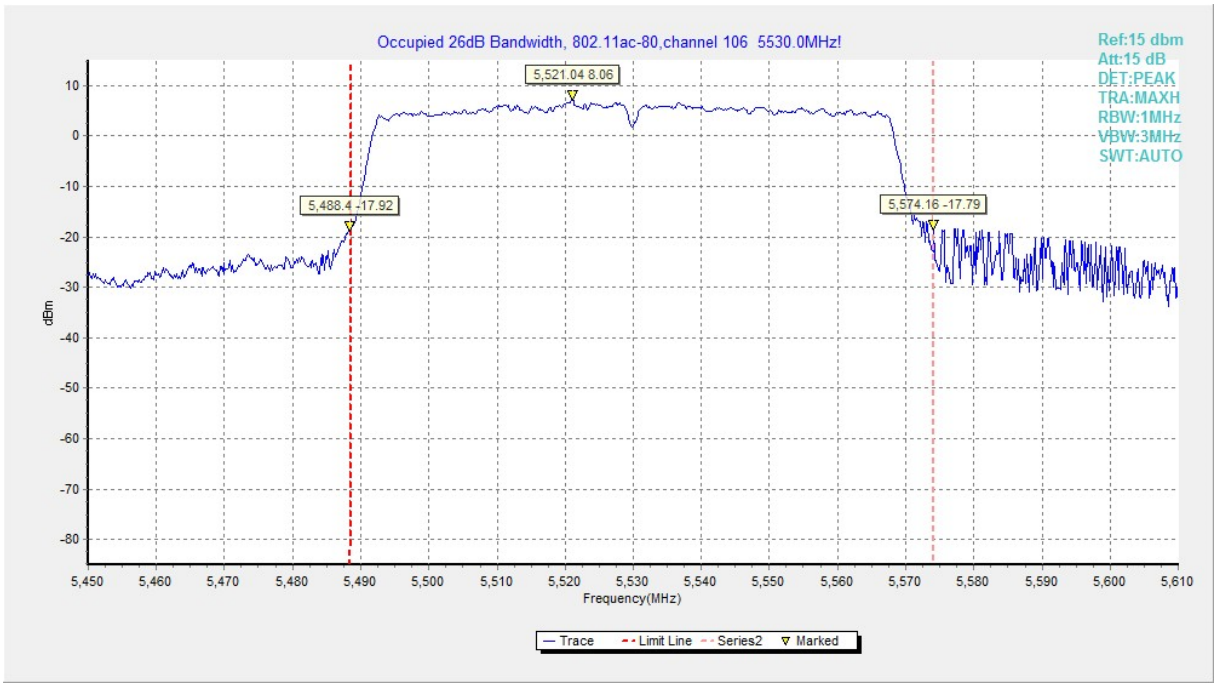

Fig.44 Occupied 26dB Bandwidth (802. 11ac-HT80, 5530MHz)

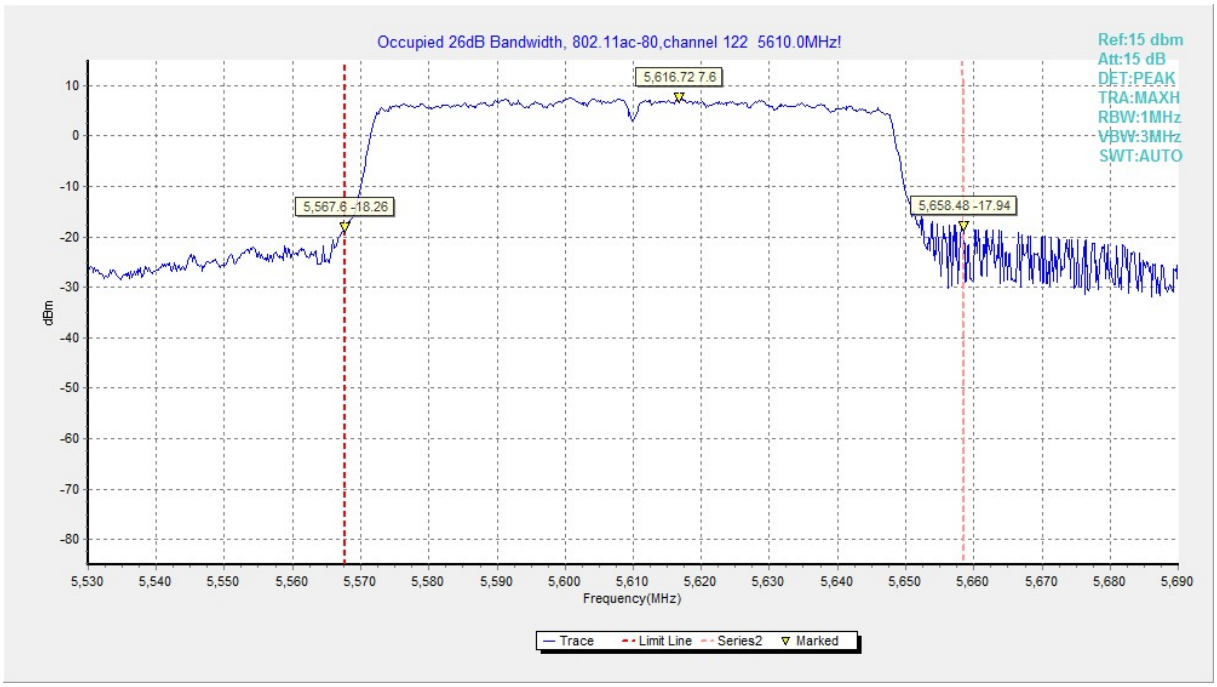

Fig.45 Occupied 26dB Bandwidth (802. 11ac-HT80, 5610MHz)

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	74
	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 Result:

Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.46	P
	5320 MHz	Fig.47	P
	5500 MHz	Fig.48	P
	5700 MHz	Fig.49	P
802.11n HT20	5180 MHz	Fig.50	P
	5320 MHz	Fig.51	P
	5500 MHz	Fig.52	P
	5700 MHz	Fig.53	P
802.11ac HT20	5180 MHz	Fig.54	P
	5320 MHz	Fig.55	P
	5500 MHz	Fig.56	P
	5700 MHz	Fig.57	P
802.11n HT40	5190 MHz	Fig.58	P
	5310 MHz	Fig.59	P
	5510 MHz	Fig.60	P
	5670 MHz	Fig.61	P
802.11ac HT40	5190 MHz	Fig.62	P
	5310 MHz	Fig.63	P
	5510 MHz	Fig.64	P
	5670 MHz	Fig.65	P
802.11ac HT80	5210MHz	Fig.66	P
	5290MHz	Fig.67	P
	5530MHz	Fig.68	P

Conclusion: PASS

Test graphs as below:

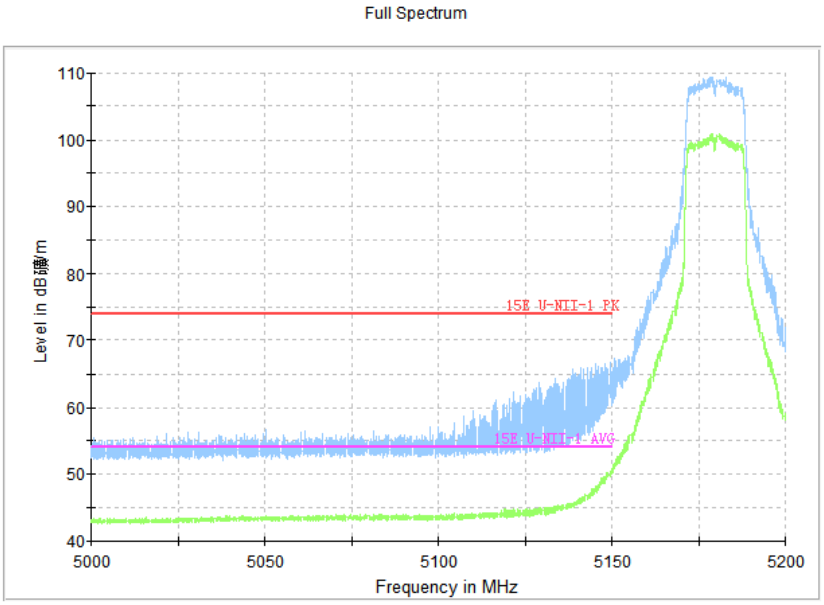

Fig.46 Band Edges (802.11a, 5180MHz)

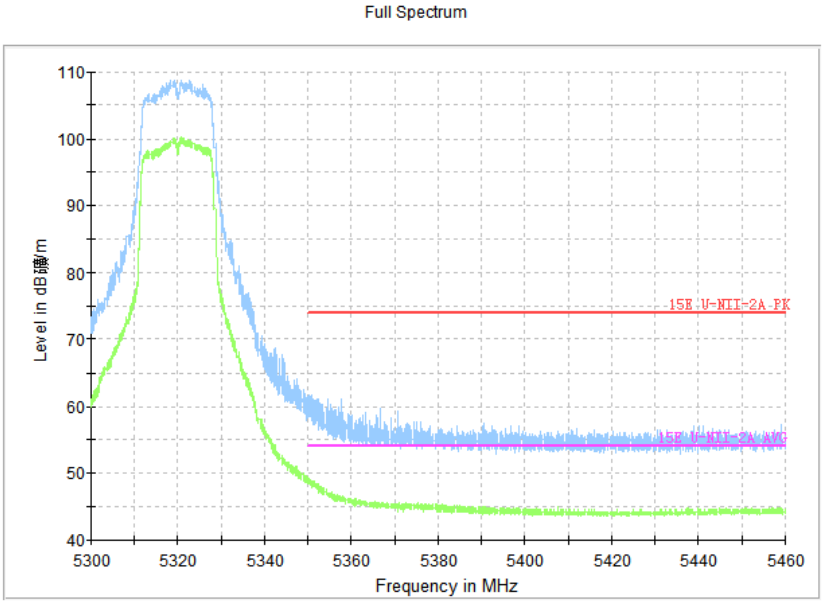

Fig.47 Band Edges (802.11a, 5320MHz)

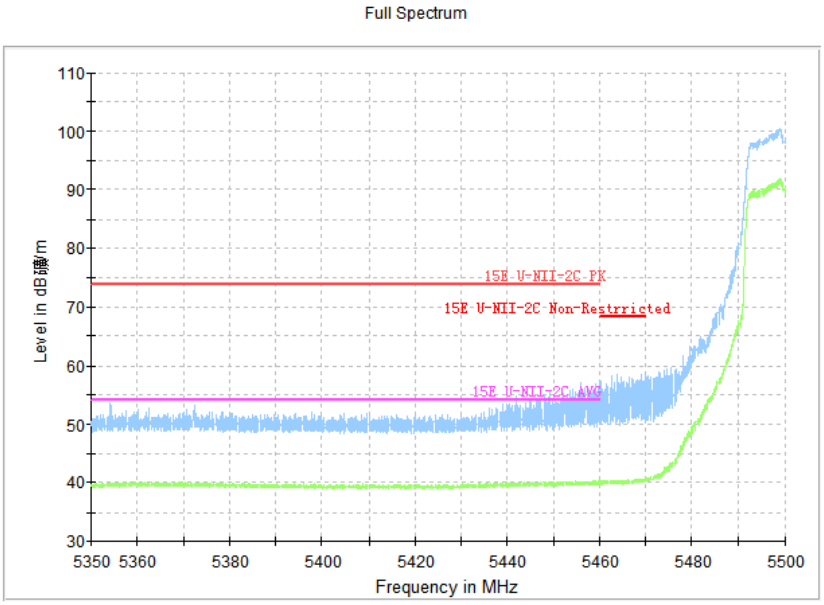

Fig.48 Band Edges (802.11a, 5500MHz)

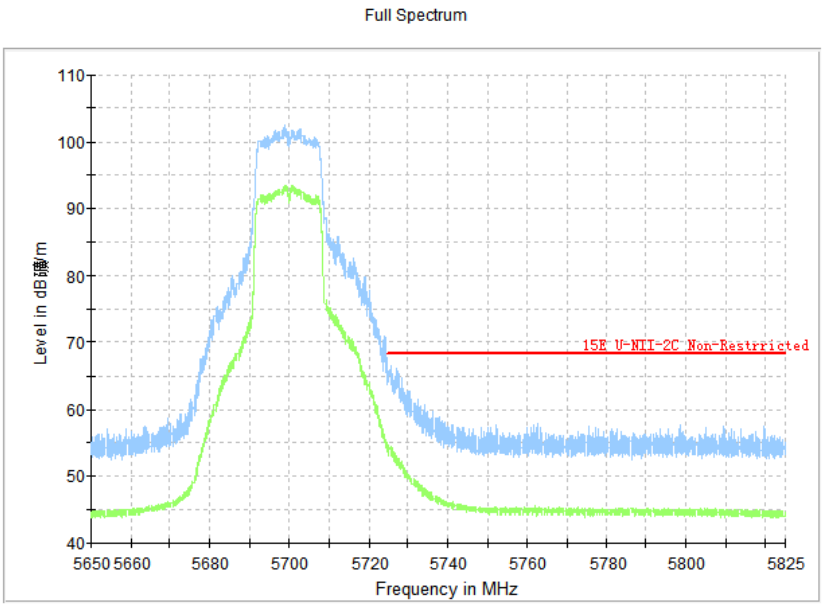

Fig.49 Band Edges (802.11a, 5700MHz)

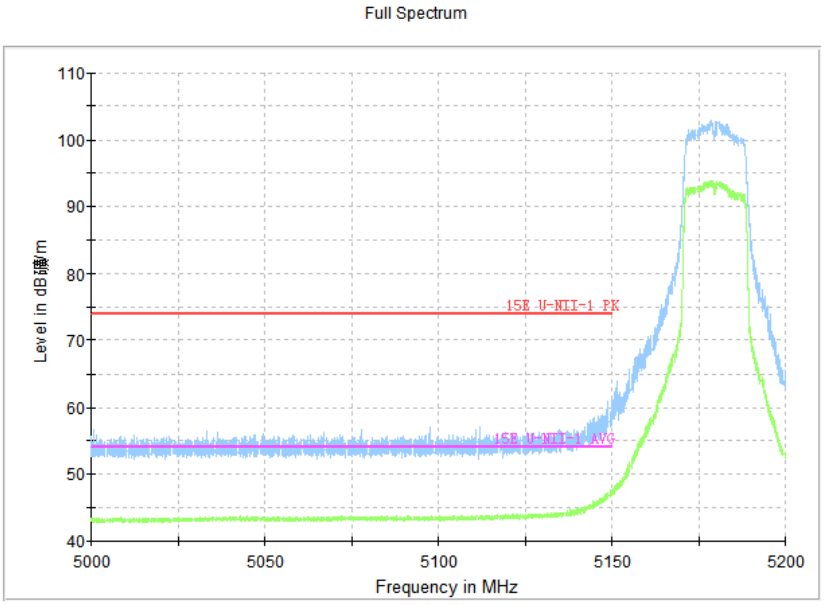

Fig.50 Band Edges (802.11n-HT20, 5180MHz)

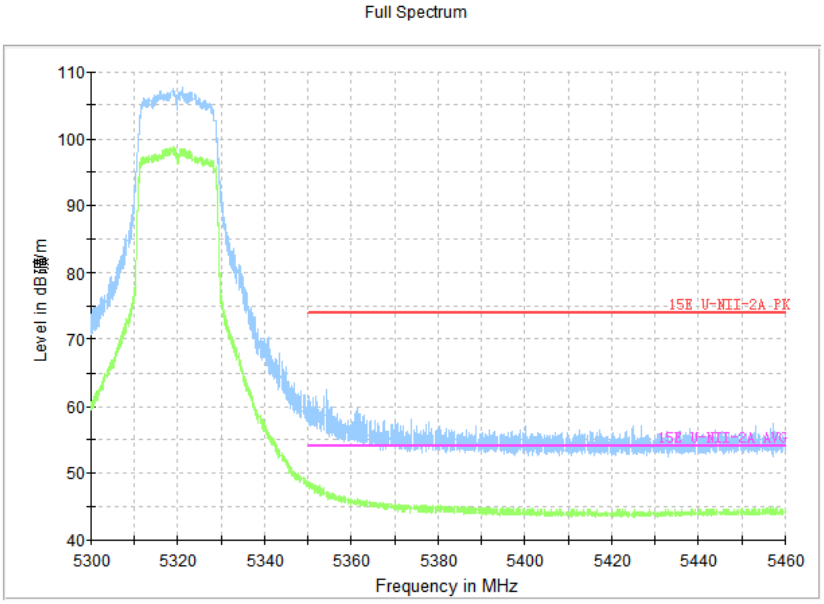

Fig.51 Band Edges (802.11n-HT20, 5320MHz)

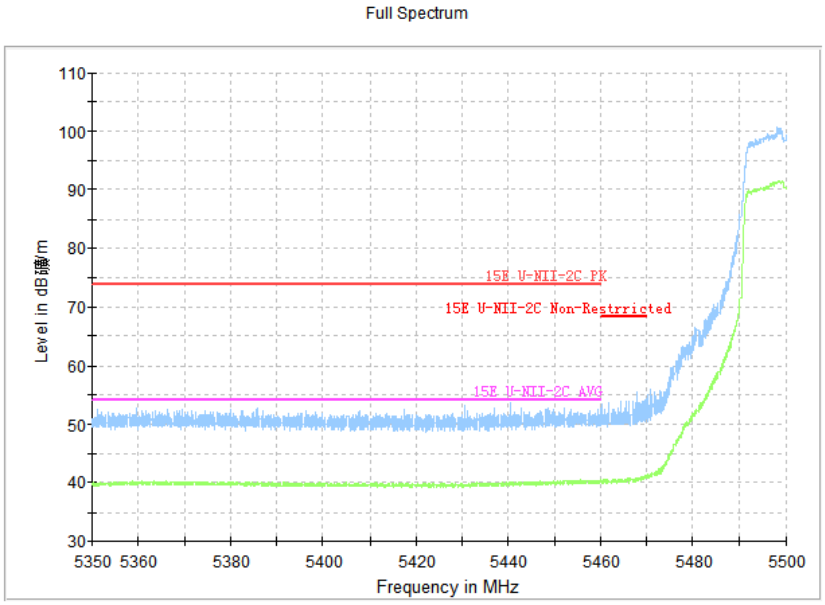

Fig.52 Band Edges (802.11n-HT20, 5500MHz)

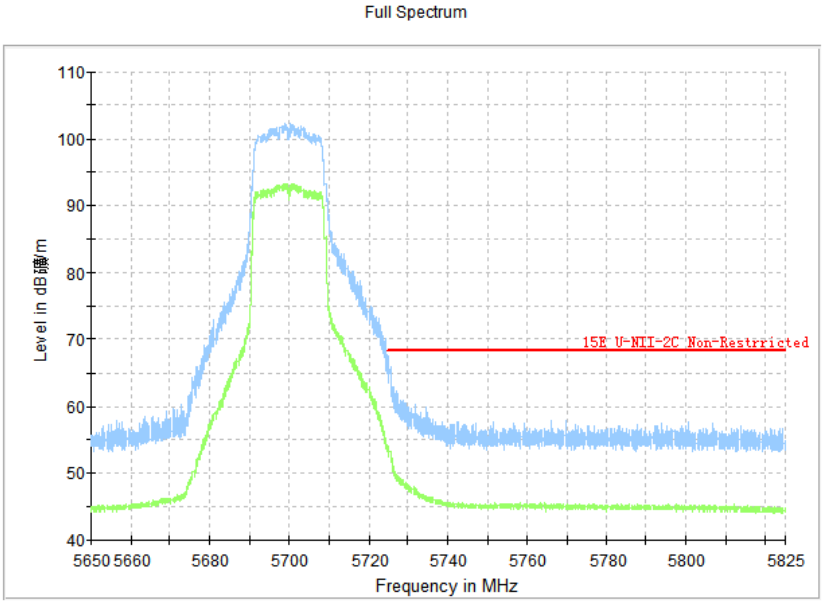

Fig.53 Band Edges (802.11n-HT20, 5700MHz)

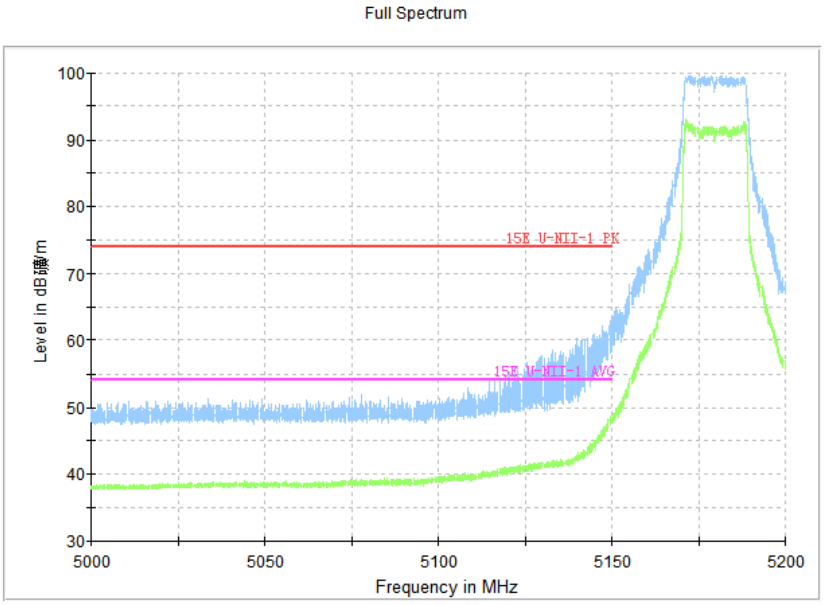

Fig.54 Band Edges (802.11ac-HT20, 5180MHz)

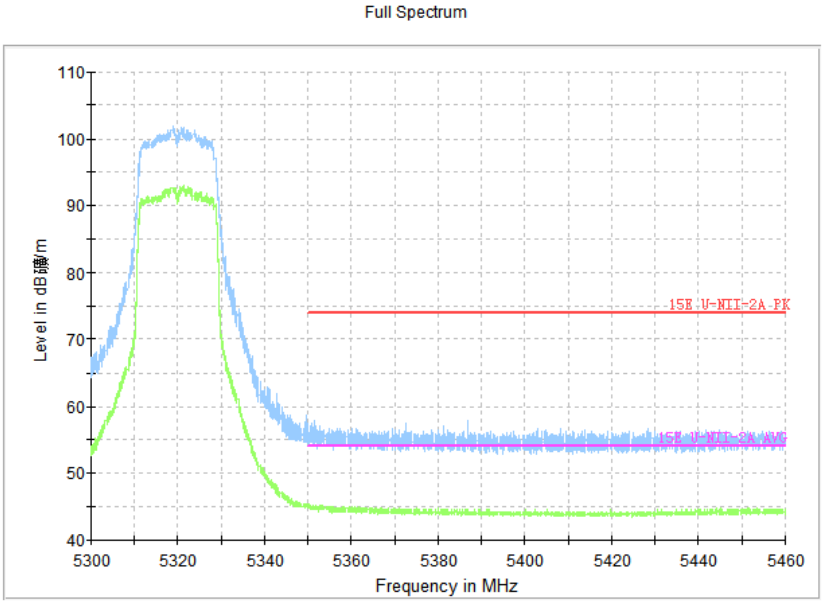

Fig.55 Band Edges (802.11ac-HT20, 5320MHz)

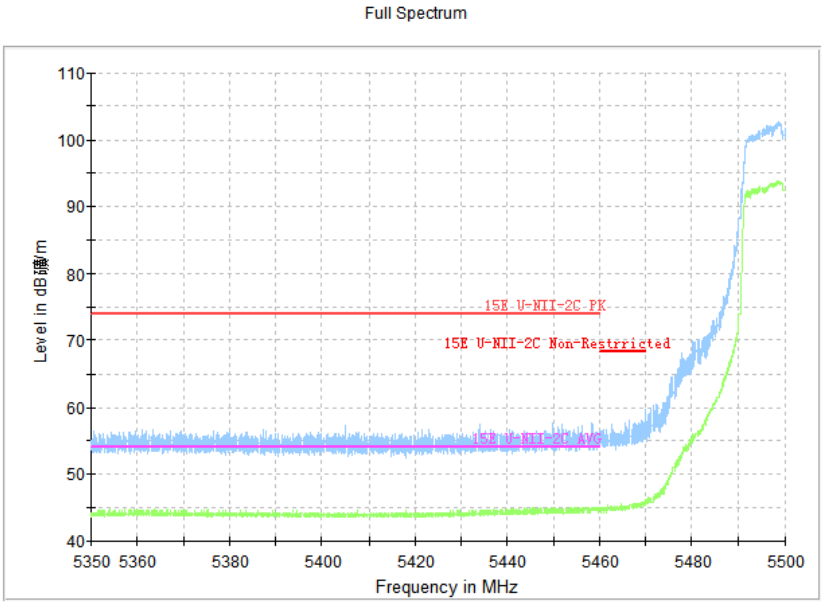

Fig.56 Band Edges (802.11ac-HT20, 5500MHz)

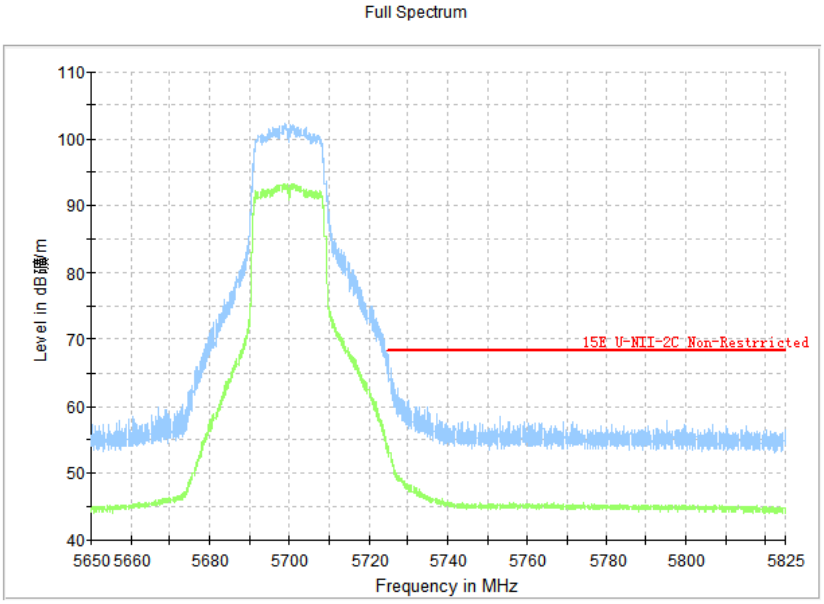

Fig.57 Band Edges (802.11ac-HT20, 5700MHz)

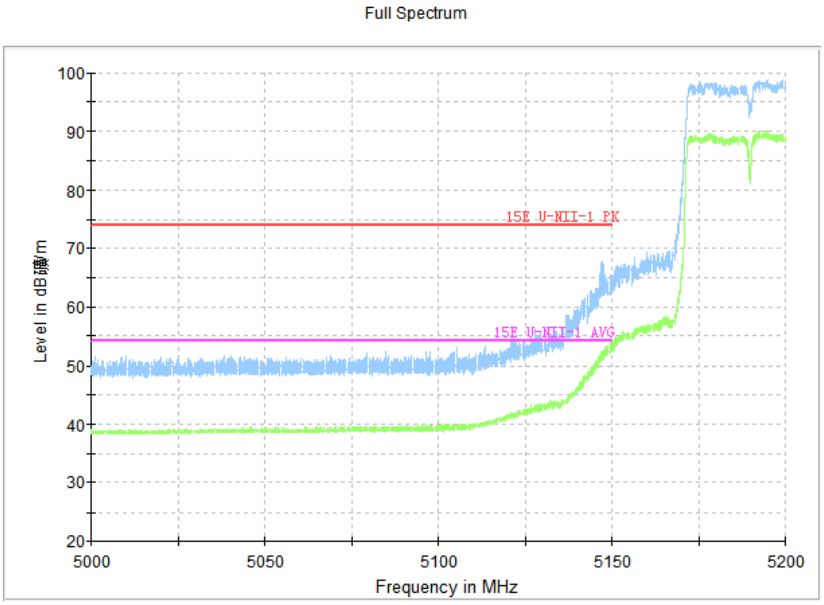

Fig.58 Band Edges (802.11n-HT40, 5190MHz)

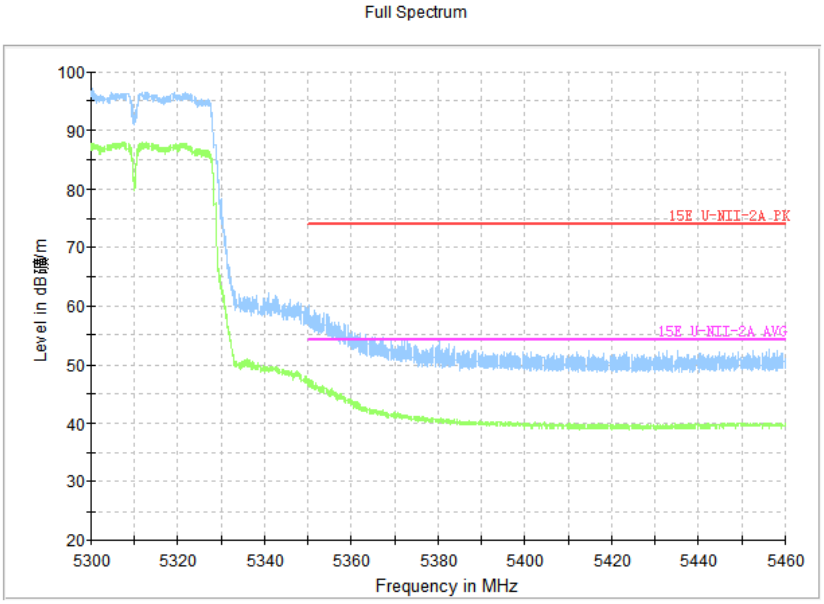

Fig.59 Band Edges (802.11n-HT40, 5310MHz)

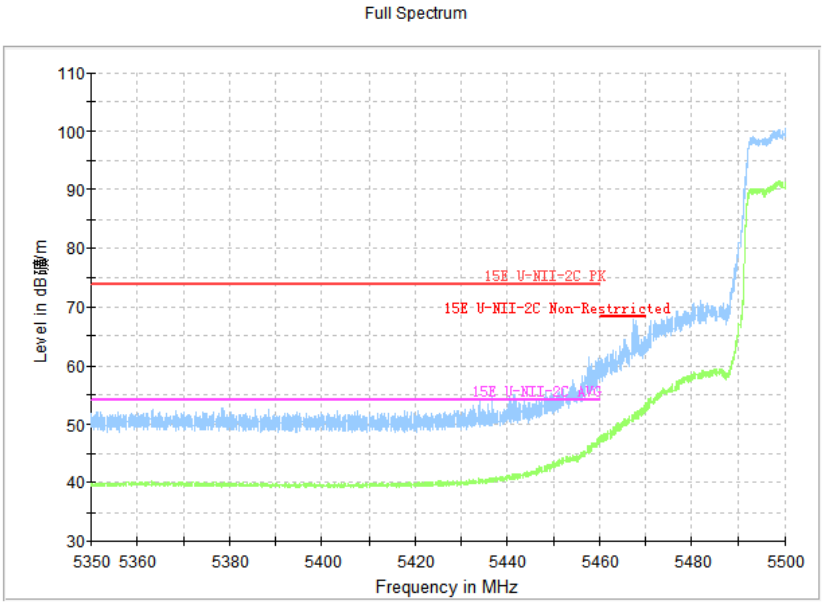

Fig.60 Band Edges (802.11n-HT40, 5510MHz)

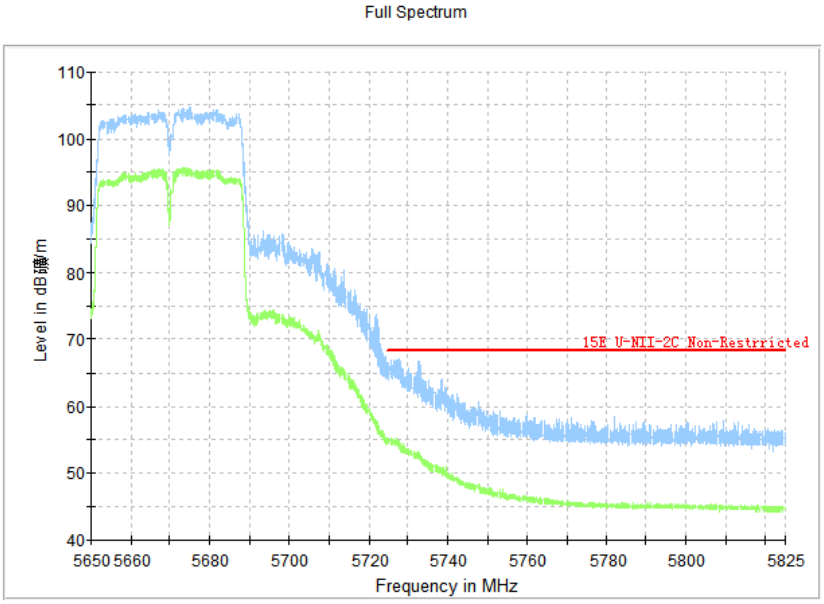

Fig.61 Band Edges (802.11n-HT40, 5670MHz)

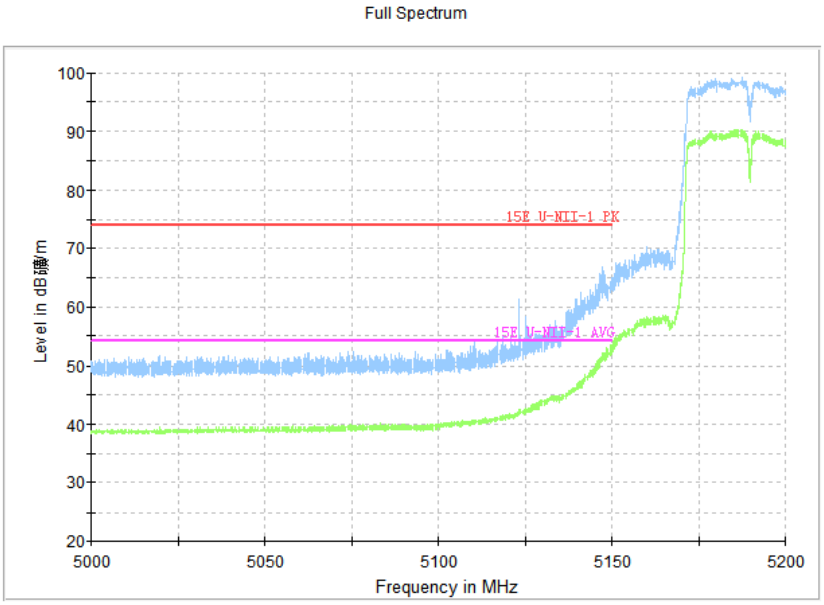

Fig.62 Band Edges (802.11ac-HT40, 5190MHz)

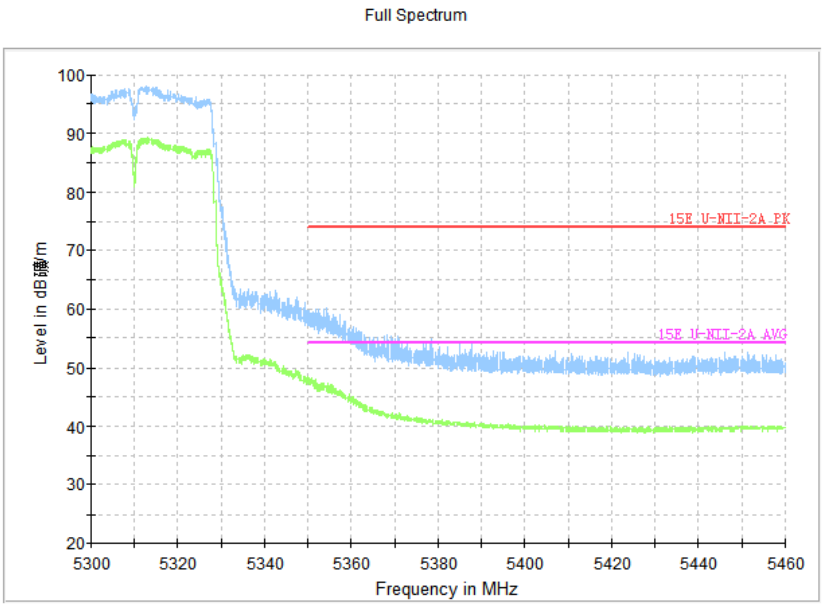

Fig.63 Band Edges (802.11ac-HT40, 5310MHz)

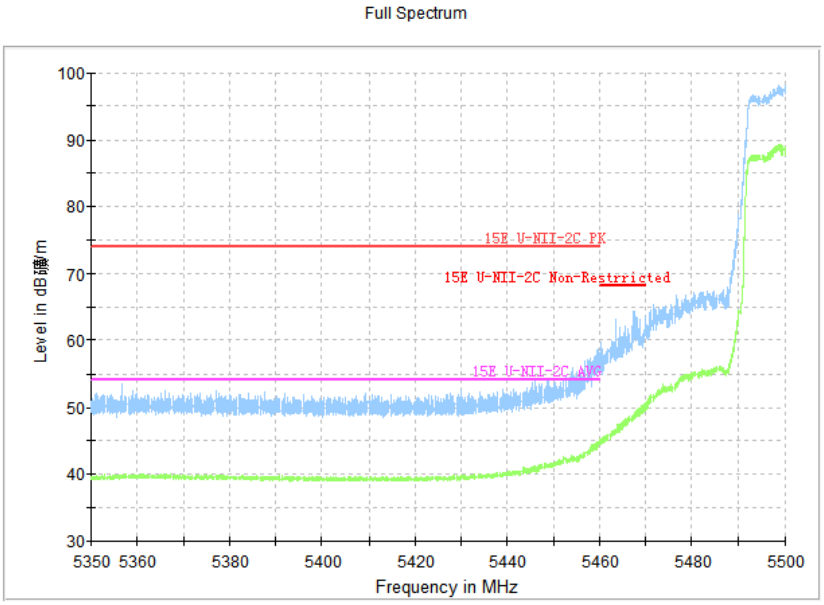

Fig.64 Band Edges (802.11ac-HT40, 5510MHz)

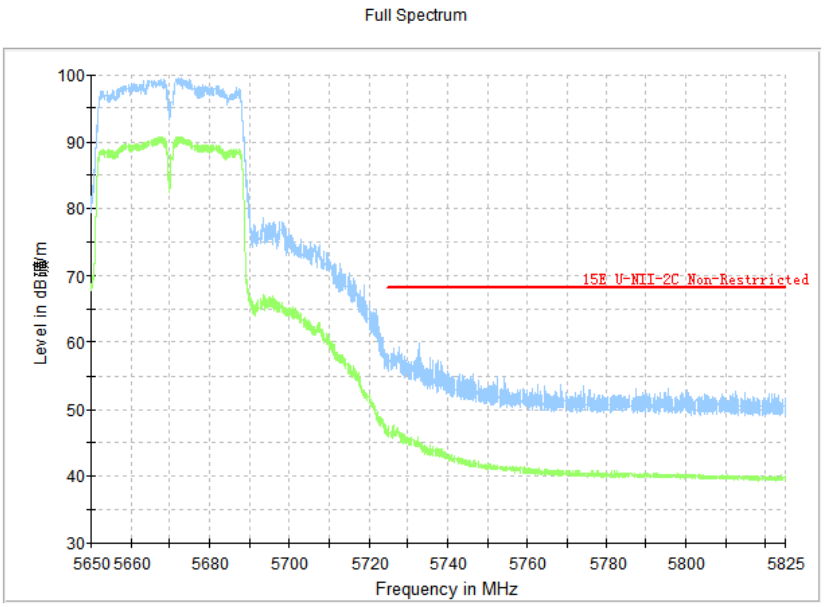

Fig.65 Band Edges (802.11ac-HT40, 5670MHz)

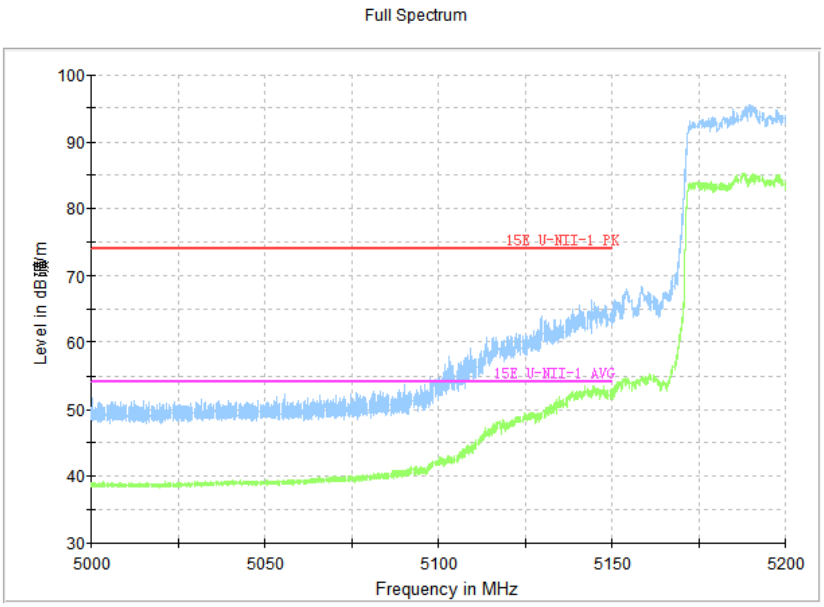

Fig.66 Band Edges (802.11ac-HT80, 5210MHz)

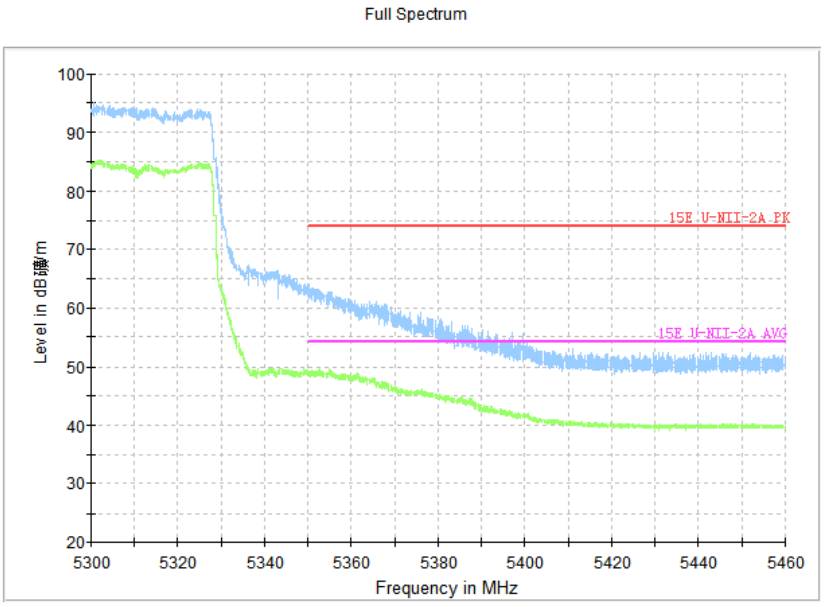

Fig.67 Band Edges (802.11ac-HT80, 5290MHz)

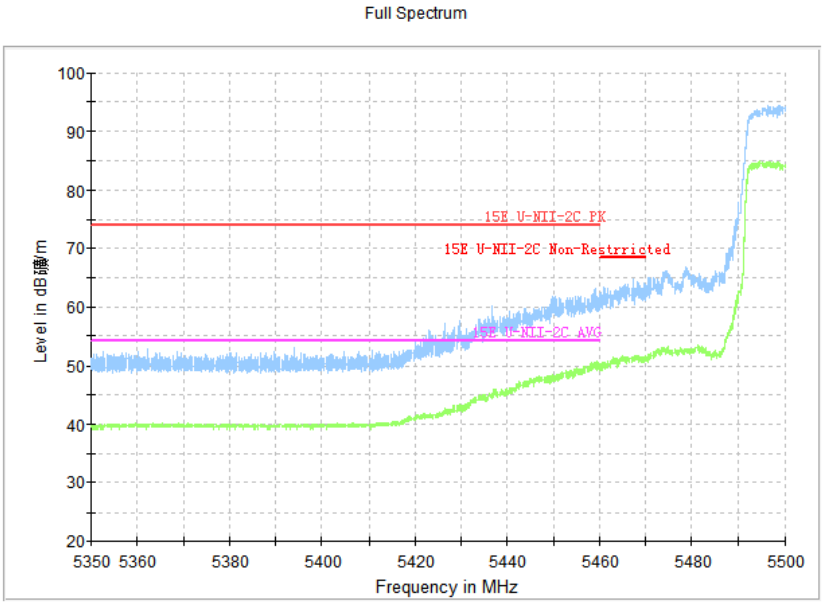

Fig.68 Band Edges (802.11ac-HT80, 5530MHz)

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 Results:

Conclusion: PASS

Note:

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

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

The measurement results are obtained as described below:

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

Peak

802.11a

Frequency (MHz)	Result (dBuV/m)	Cable Loss (dB)	Antenna Factor	PMea (dBuV/m)	Polarization	Limit (dBuV/m)	Magin (dBuV/m)
802.11a Channel 36							
17954.9	57.5	-25.5	46.7	36.3	H	74	16.5
17984.6	57.4	-25.5	46.7	36.2	H	74	16.6
17990.1	57.4	-25.5	46.7	36.2	V	74	16.6
17985.7	57.1	-25.5	46.7	35.9	H	74	16.9
17986.8	57.1	-25.5	46.7	35.9	V	74	16.9
5149.5	66.7	-17	33.7	50	V	74	7.3
802.11a Channel 40							
17984.6	58.1	-25.5	46.7	36.9	V	74	15.9
17995.6	57.4	-25.5	46.7	36.2	V	74	16.6
17975.8	57.3	-25.5	46.7	36.1	H	74	16.7
17901	56.6	-25.5	46.7	35.4	H	74	17.4
17981.3	56.6	-25.5	46.7	35.4	H	74	17.4
17993.4	56.6	-25.5	46.7	35.4	H	74	17.4
802.11a Channel 48							
17996.7	57.6	-25.5	46.7	36.4	H	74	16.4
17995.6	57.5	-25.5	46.7	36.3	V	74	16.5
17997.8	57.5	-25.5	46.7	36.3	V	74	16.5
17972.5	57.3	-25.5	46.7	36.1	V	74	16.7
17992.3	57.2	-25.5	46.7	36	H	74	16.8
17963.7	56.9	-25.5	46.7	35.7	H	74	17.1
802.11a Channel 52							
17991.2	57.6	-25.5	46.7	36.4	H	74	16.4
17989	57.5	-25.5	46.7	36.3	V	74	16.5
17986.8	57.1	-25.5	46.7	35.9	V	74	16.9
17979.1	56.9	-25.5	46.7	35.7	V	74	17.1
17992.3	56.9	-25.5	46.7	35.7	H	74	17.1
17981.3	56.6	-25.5	46.7	35.4	V	74	17.4
802.11a Channel 56							
17995.6	57.6	-25.5	46.7	36.4	V	74	16.4
17982.4	57.2	-25.5	46.7	36	V	74	16.8
17986.8	57.1	-25.5	46.7	35.9	H	74	16.9
17968.1	57	-25.5	46.7	35.8	V	74	17
17994.5	57	-25.5	46.7	35.8	H	74	17
17969.2	56.9	-25.5	46.7	35.7	V	74	17.1