

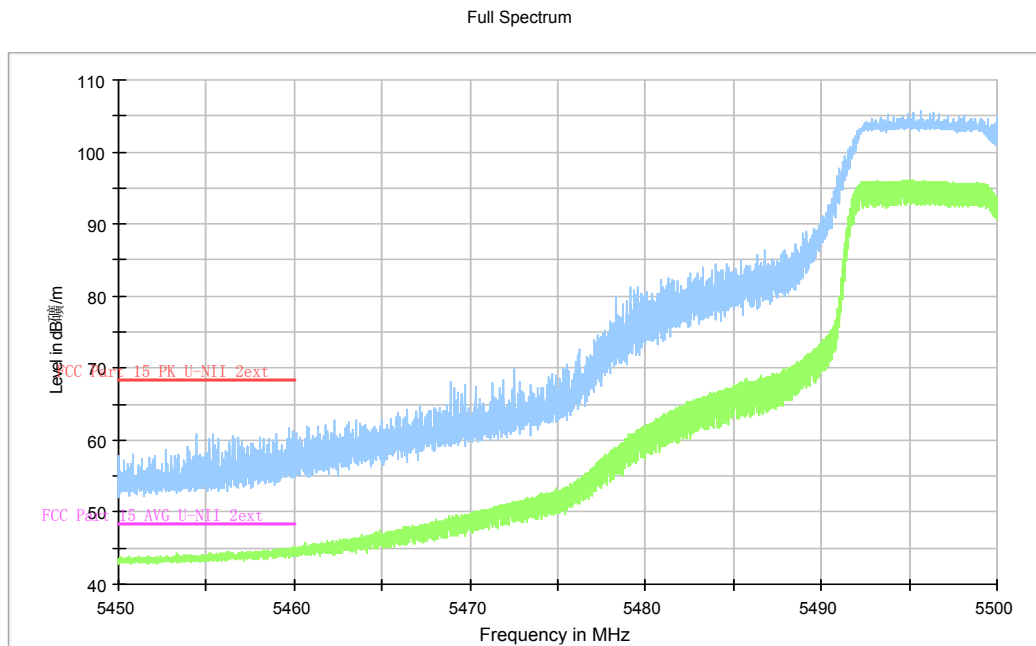


Fig.54 Band Edges (802.11a, 5500MHz)

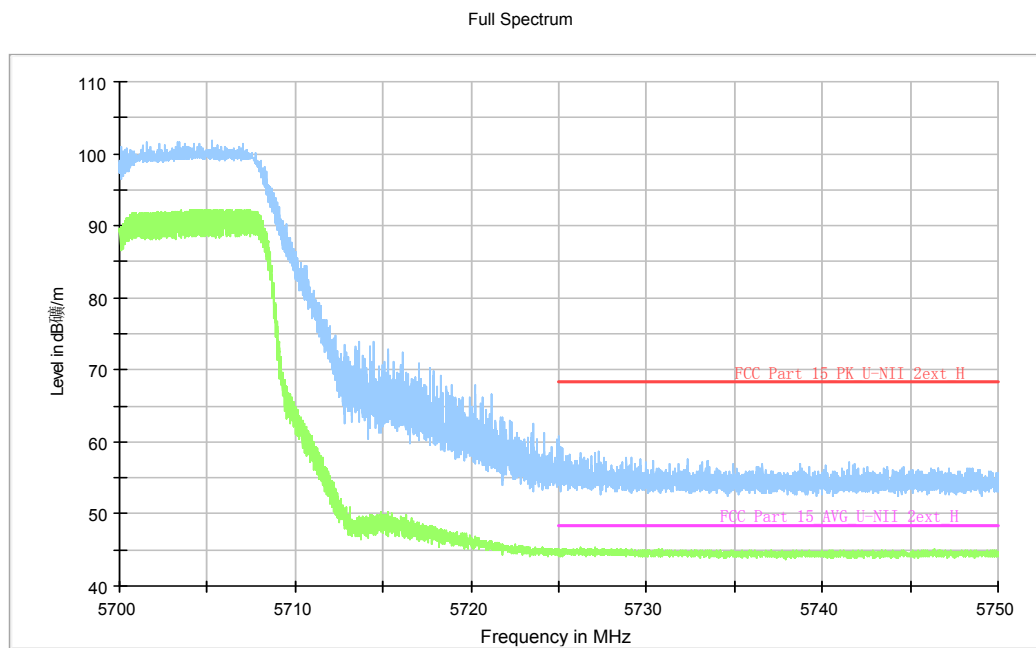


Fig.55 Band Edges (802.11a, 5700MHz)

Full Spectrum

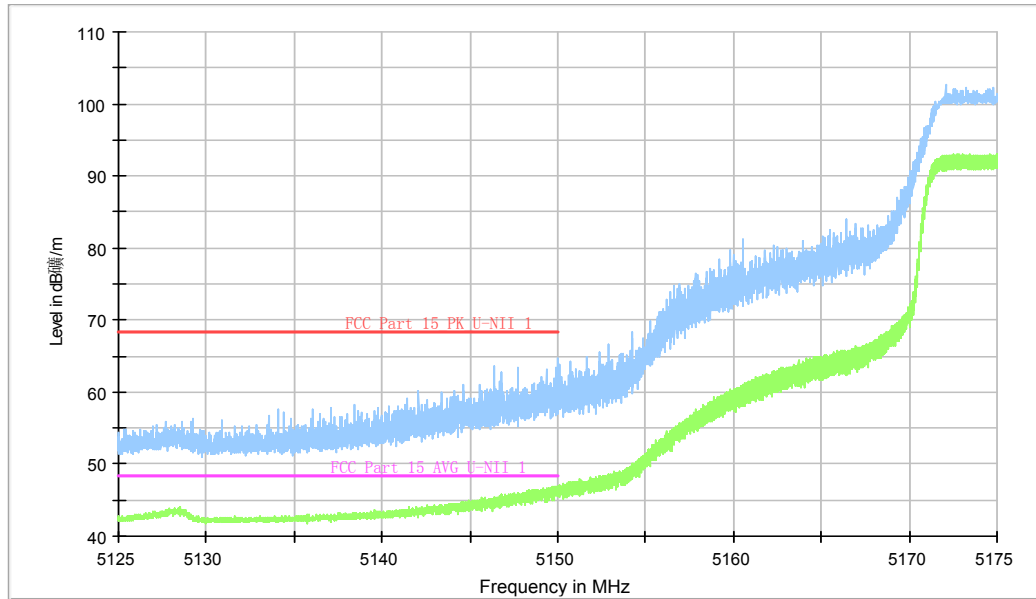


Fig.56 Band Edges (802.11n-HT20, 5180MHz)

Full Spectrum

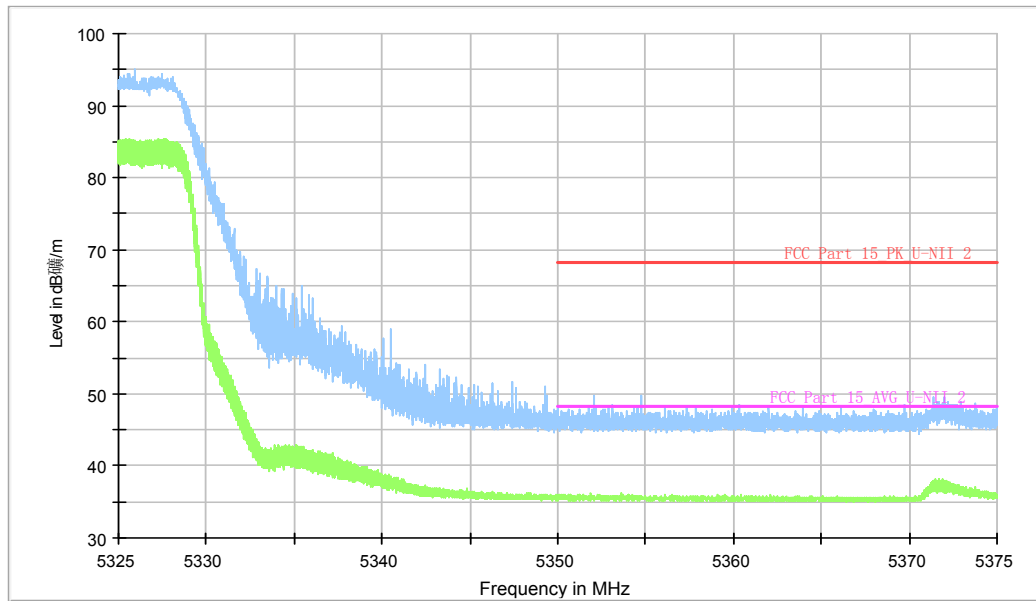


Fig.57 Band Edges (802.11n-HT20, 5320MHz)

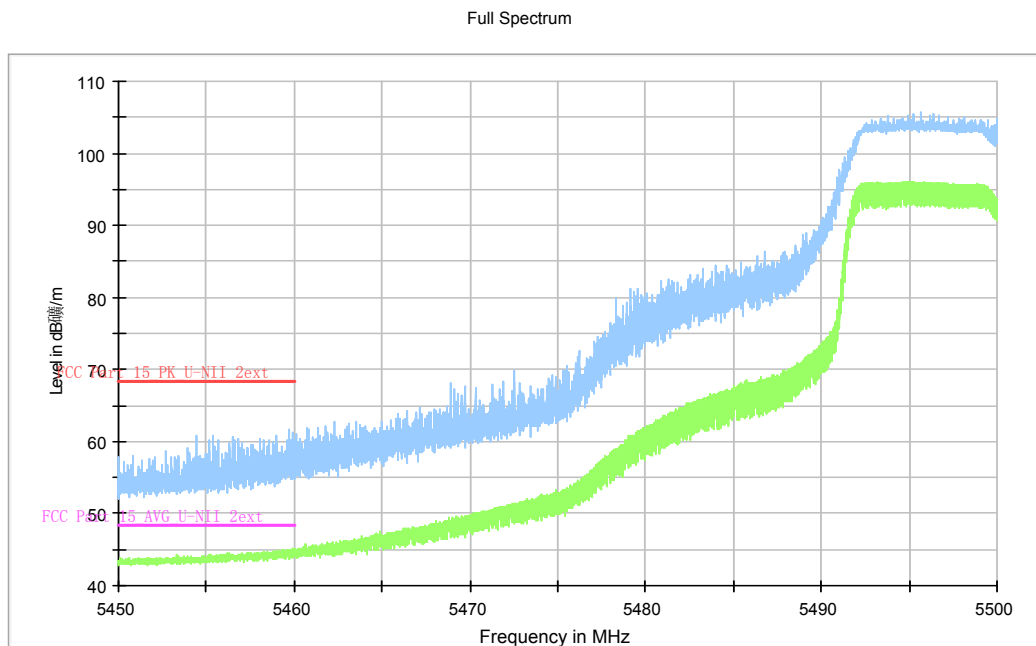


Fig.58 Band Edges (802.11n-HT20, 5500MHz)

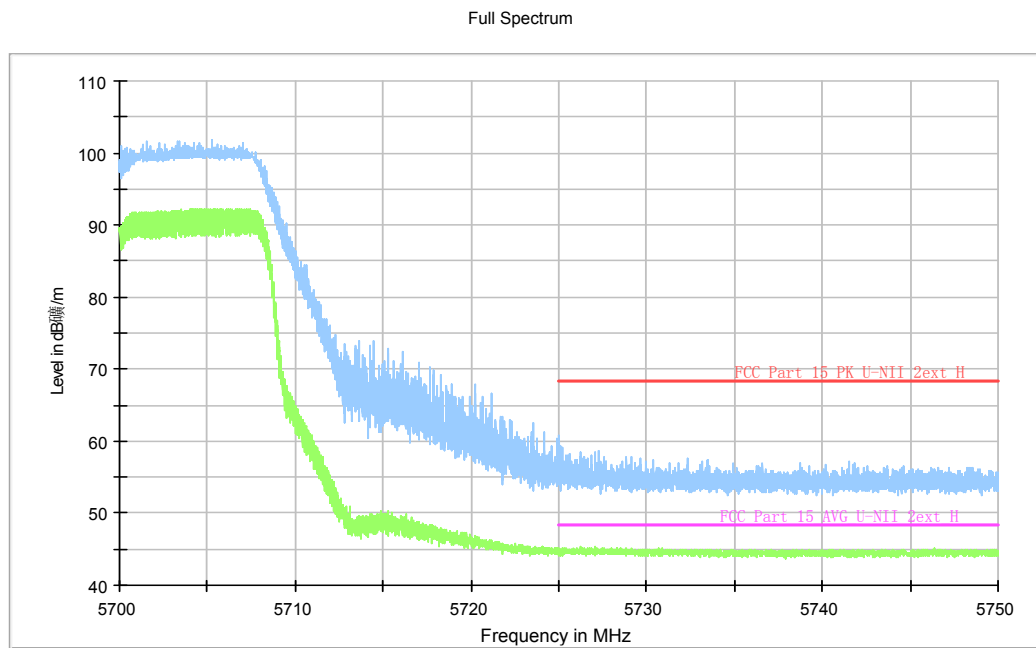


Fig.59 Band Edges (802.11n-HT20, 5700MHz)

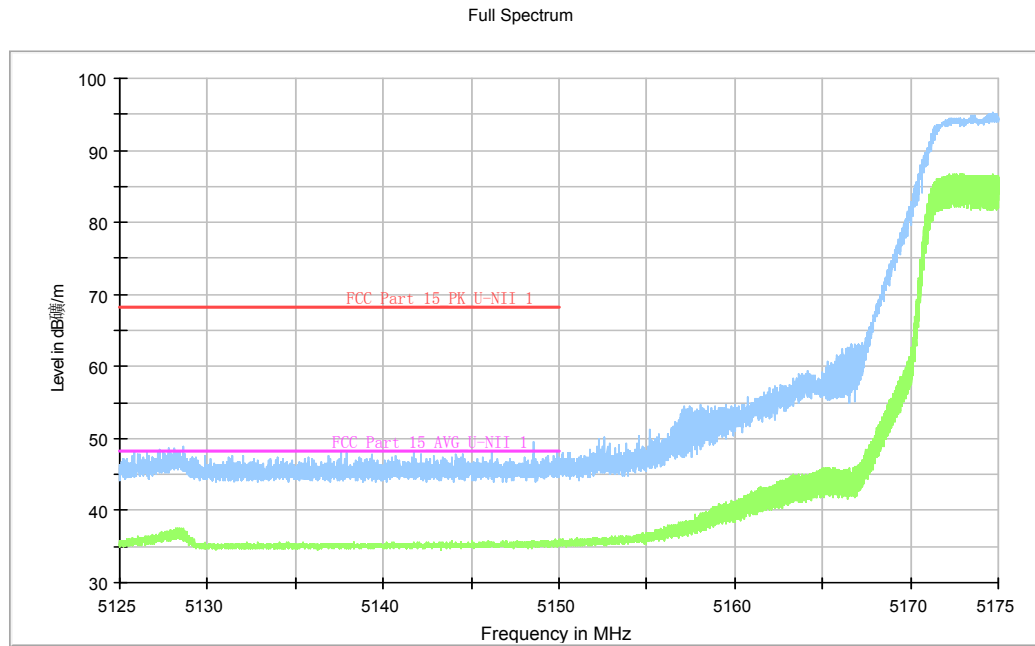


Fig.60 Band Edges (802.11ac-HT20, 5180MHz)

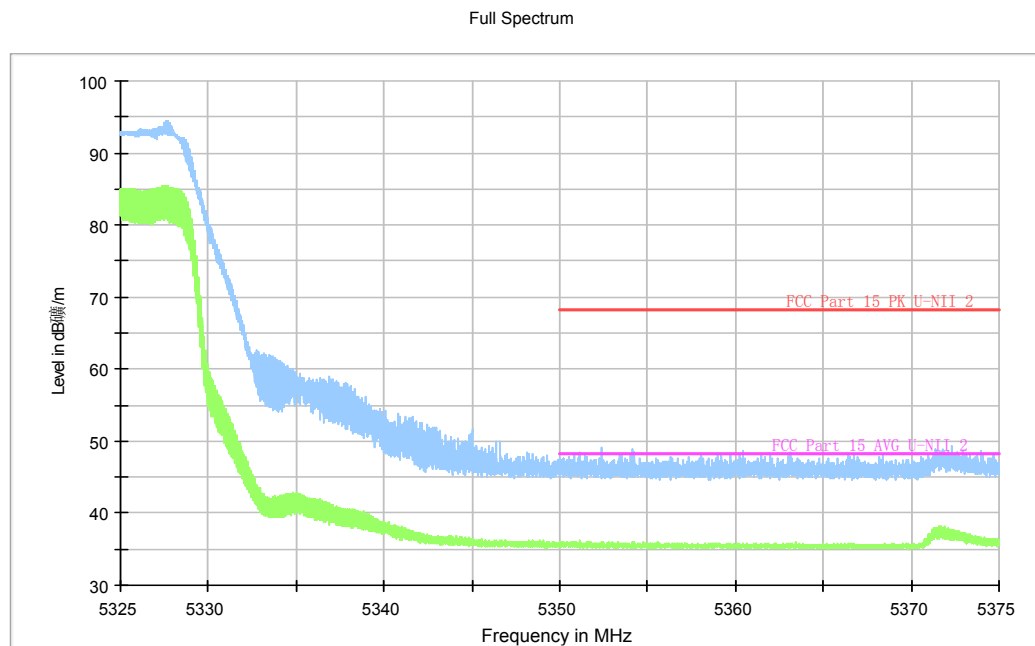


Fig.61 Band Edges (802.11ac-HT20, 5320MHz)

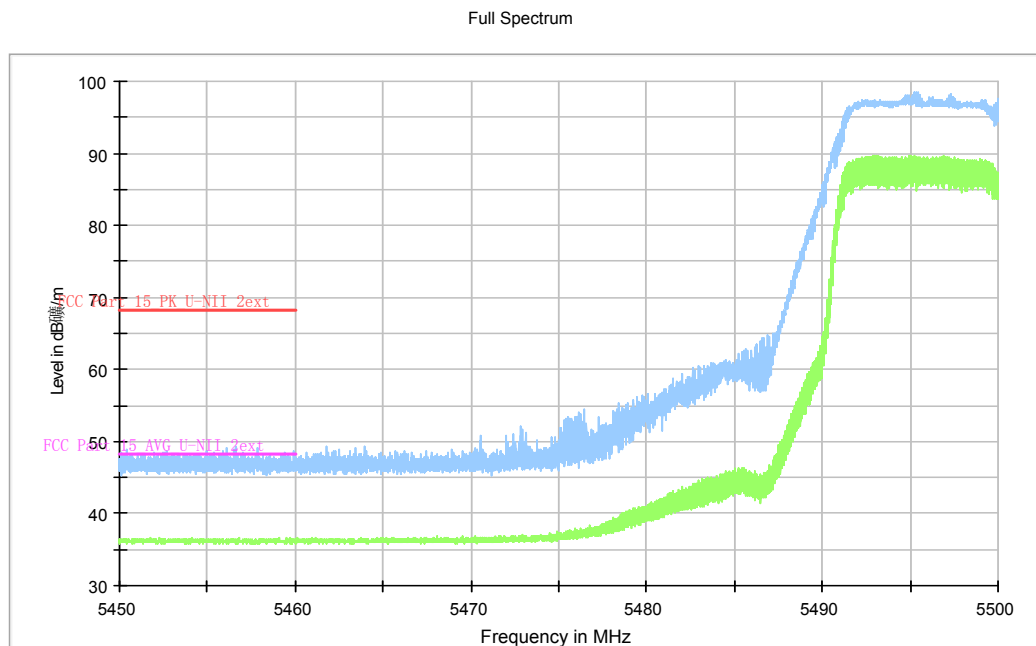


Fig.62 Band Edges (802.11ac-HT20, 5500MHz)

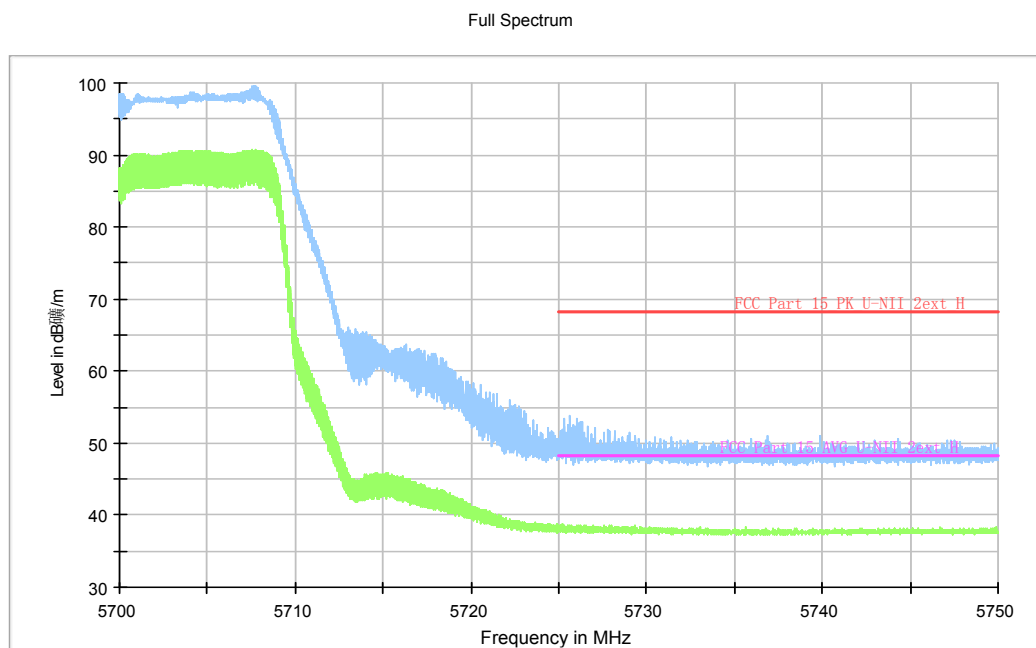


Fig.63 Band Edges (802.11ac-HT20, 5700MHz)

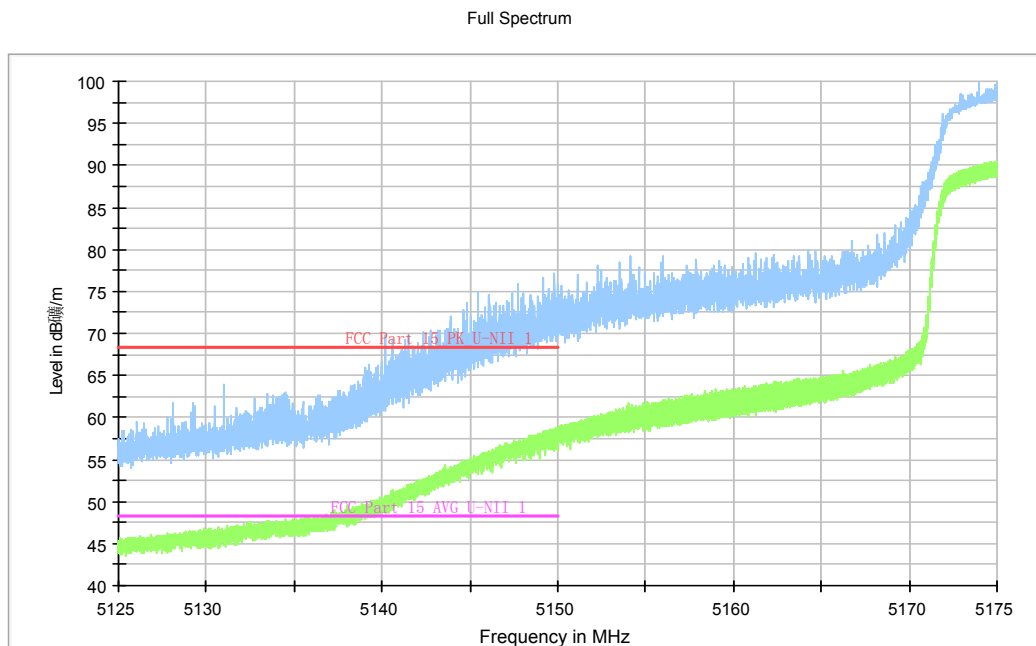


Fig.64 Band Edges (802.11n-HT40, 5190MHz)

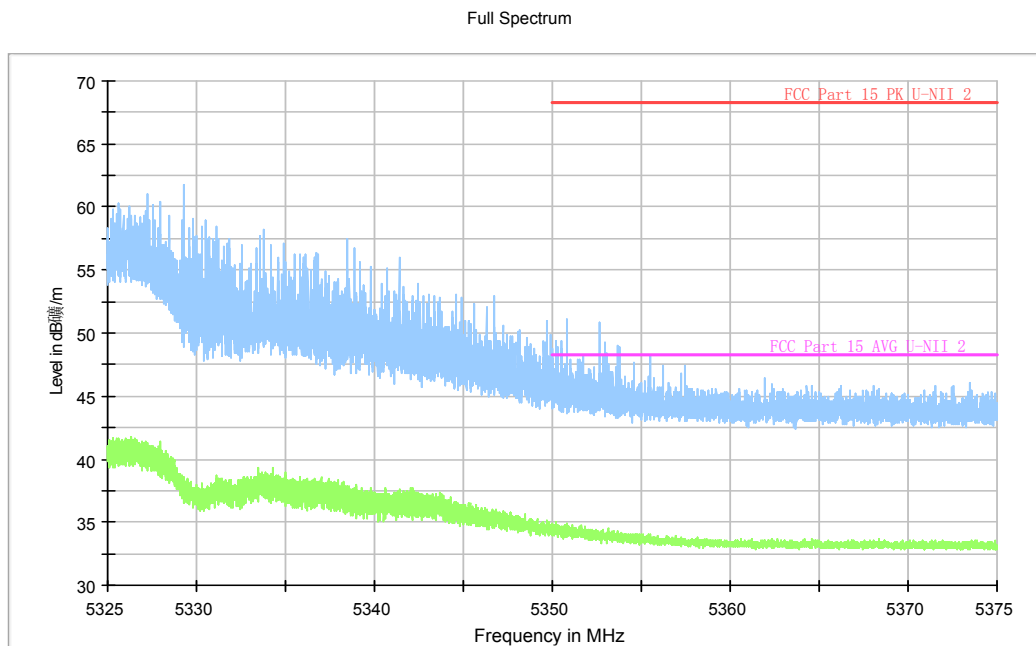


Fig.65 Band Edges (802.11n-HT40, 5310MHz)

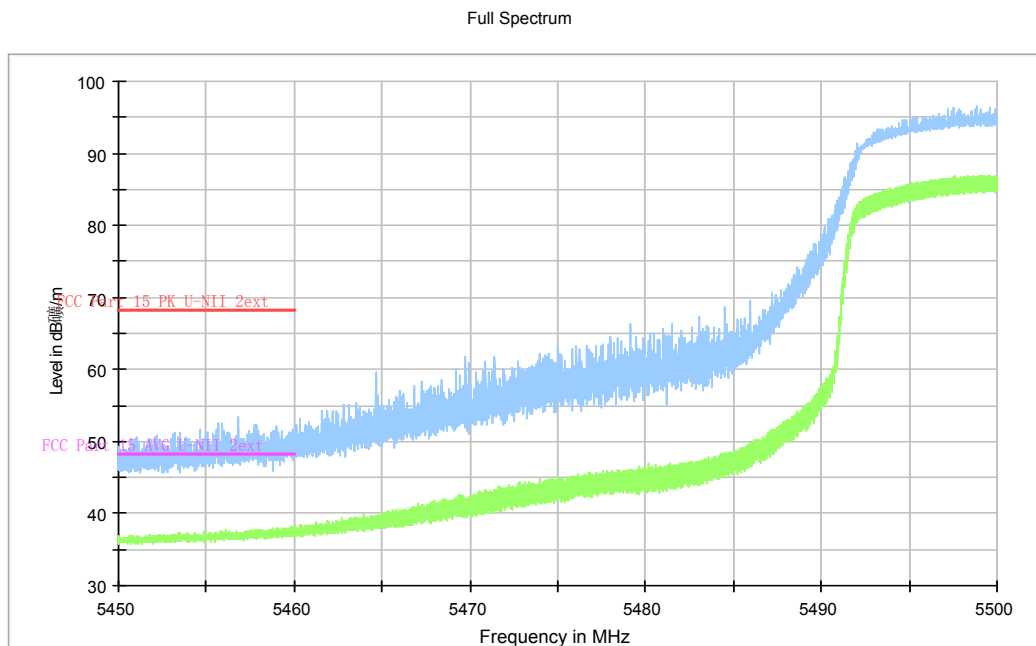


Fig.66 Band Edges (802.11n-HT40, 5510MHz)

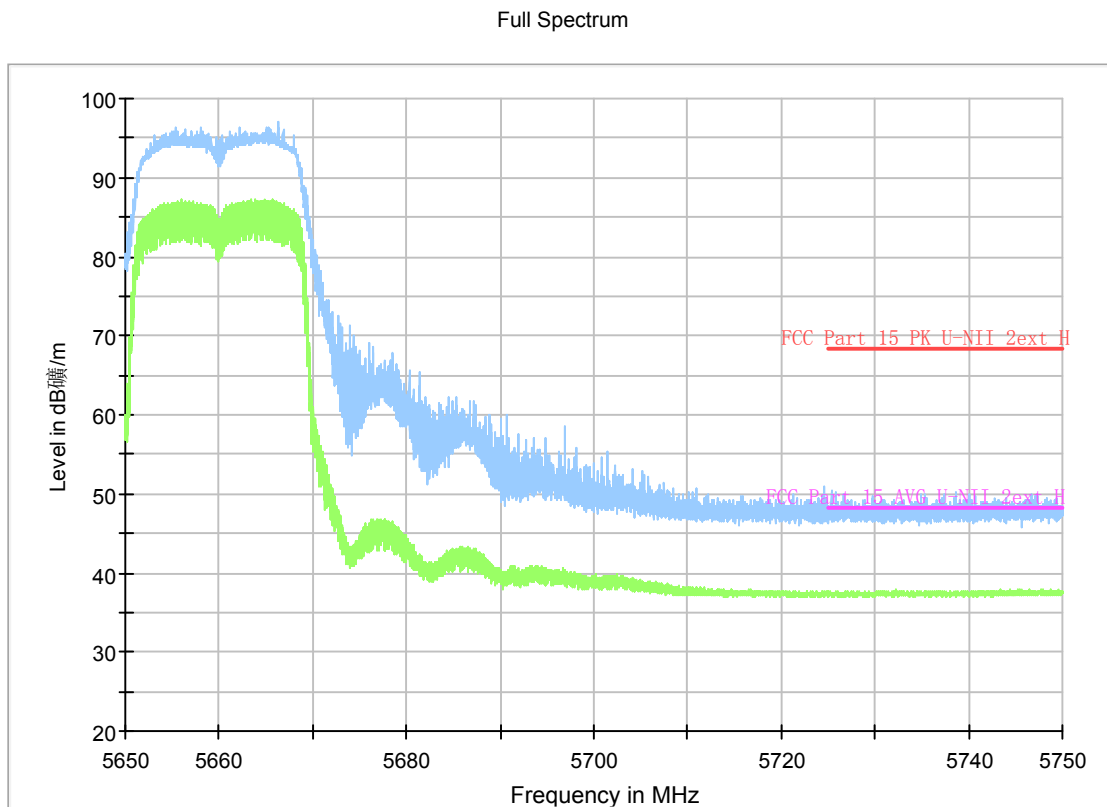


Fig.67 Band Edges (802.11n-HT40, 5670MHz)

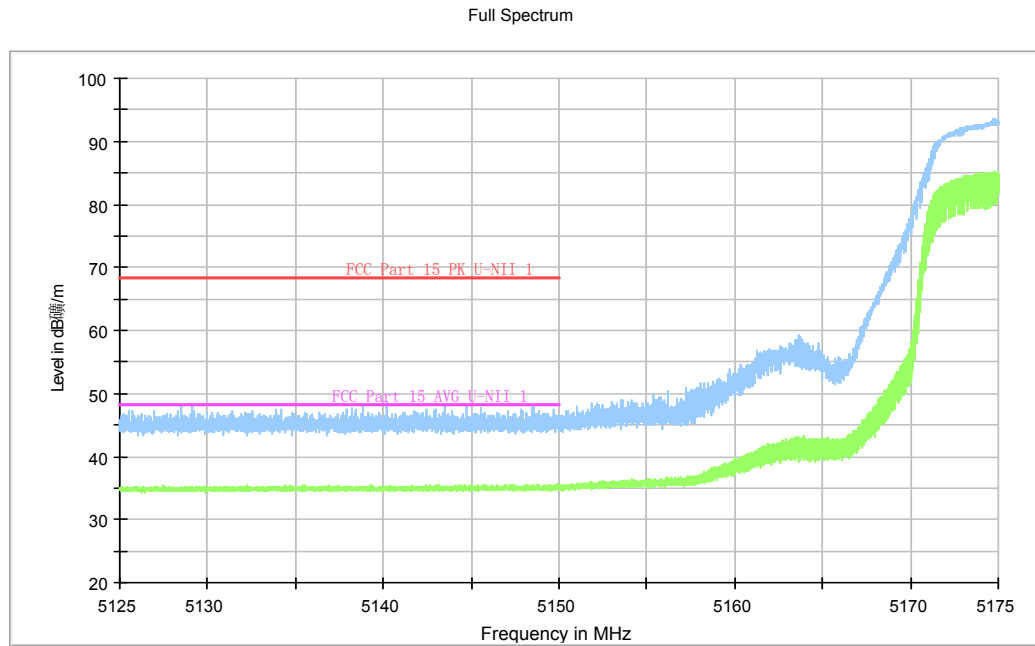


Fig.68 Band Edges (802.11ac-HT40, 5190MHz)

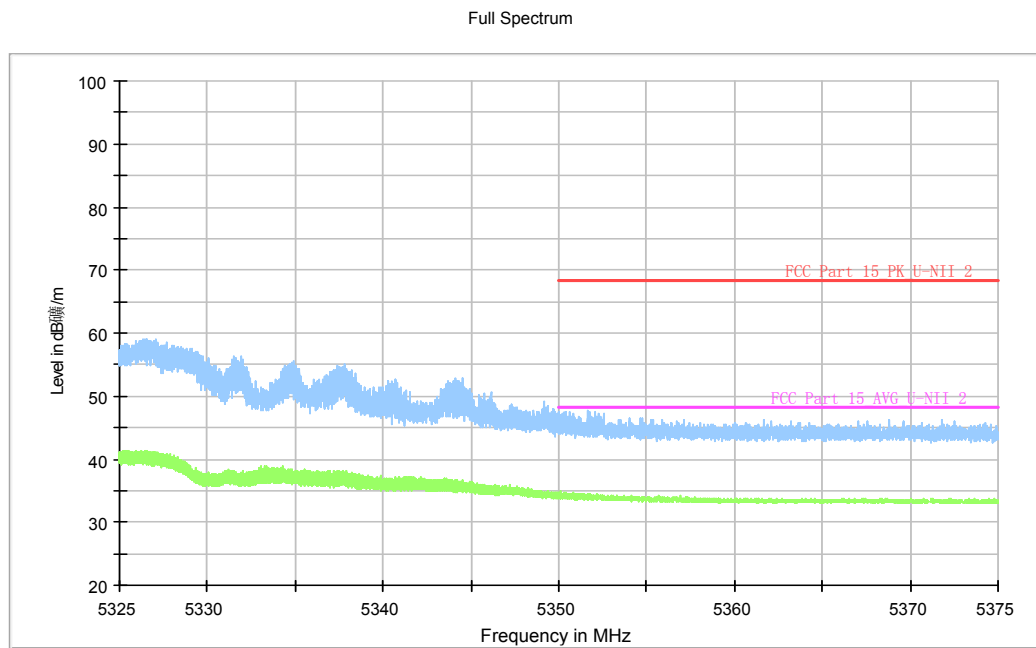


Fig.69 Band Edges (802.11ac-HT40, 5310MHz)

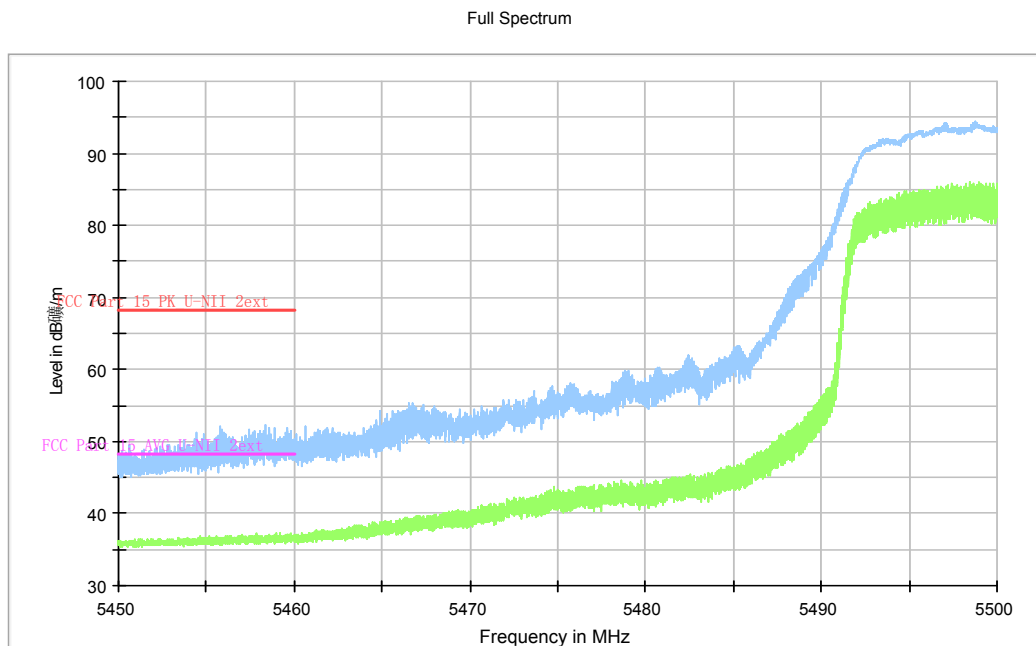


Fig.70 Band Edges (802.11ac-HT40, 5510MHz)

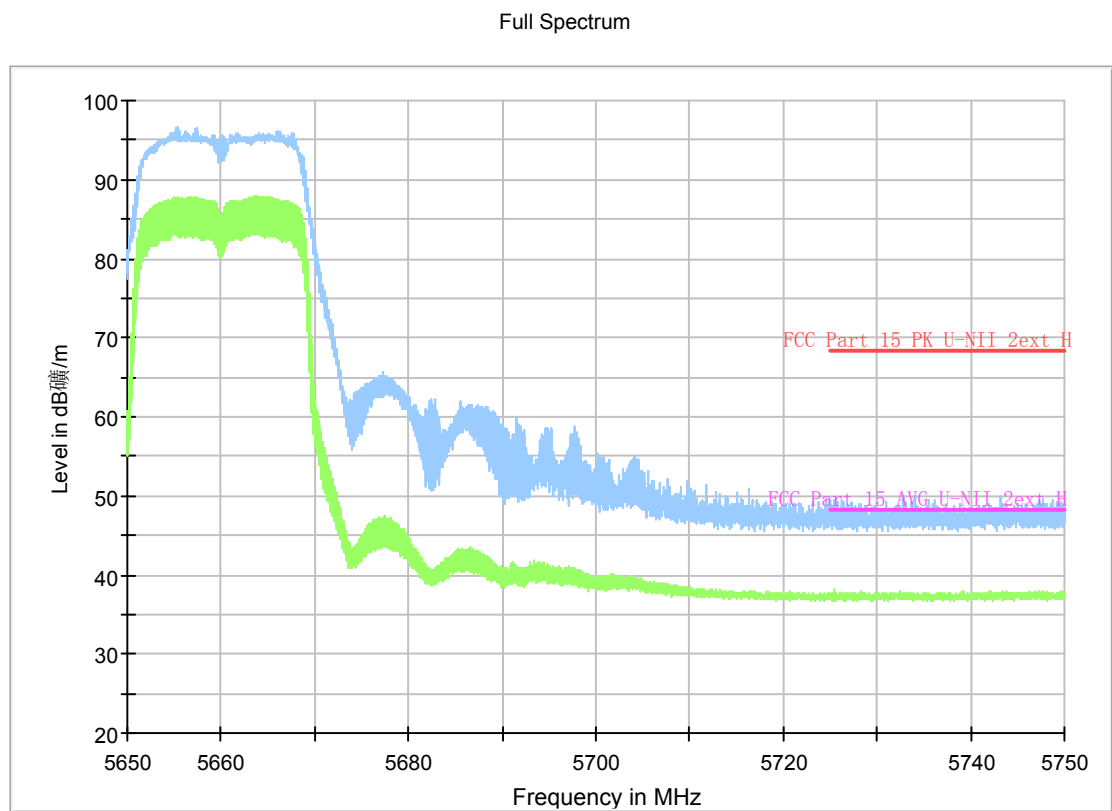


Fig.71 Band Edges (802.11ac-HT40, 5670MHz)

Full Spectrum

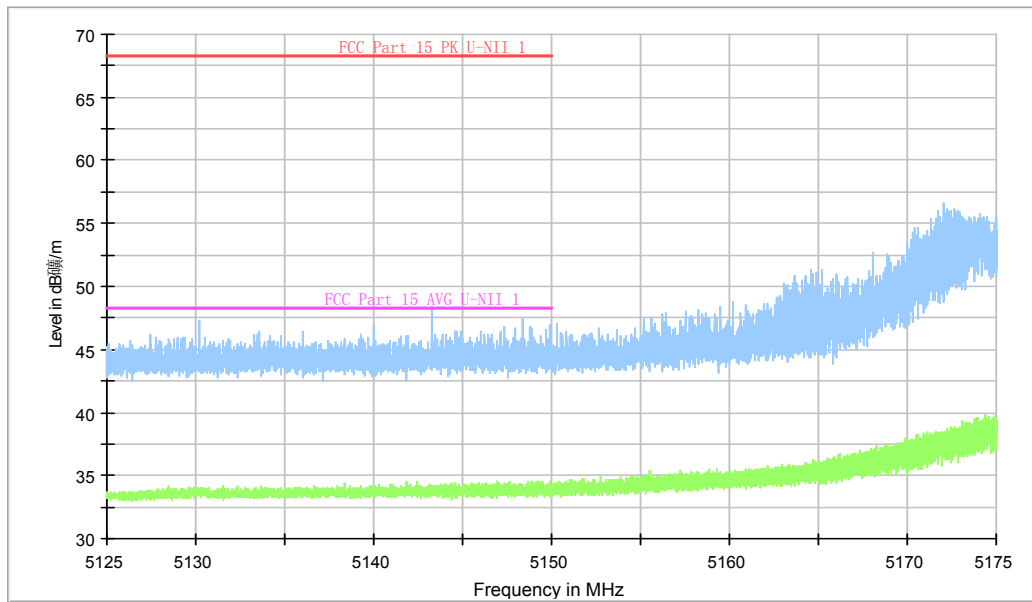


Fig.72 Band Edges (802.11ac-HT80, 5210MHz)

RE - Power-5.325GHz-5.375GHz

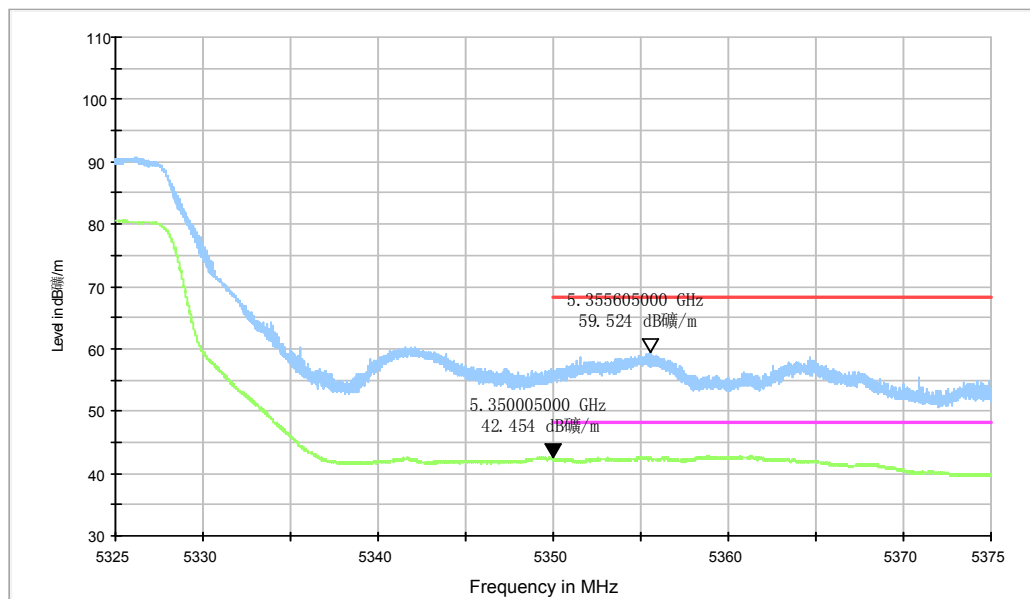


Fig.73 Band Edges (802.11ac-HT80, 5290MHz)

Full Spectrum

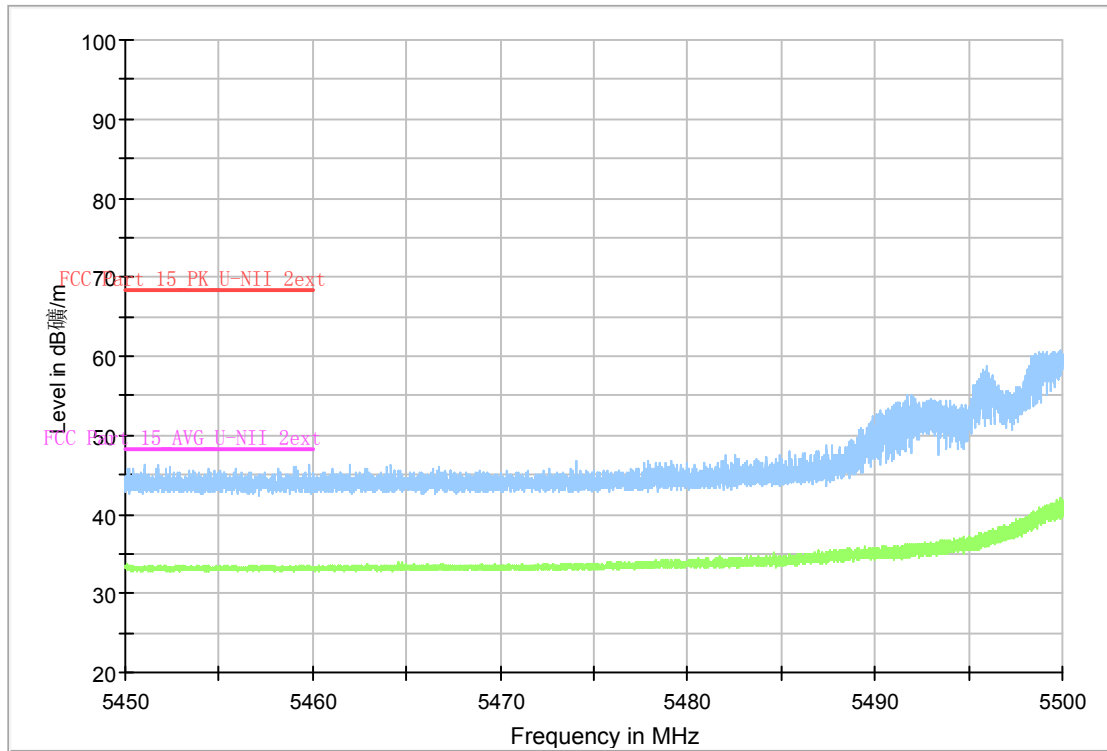


Fig.74 Band Edges (802.11ac-HT80, 5530MHz)

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:

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

The measurement results are obtained as described below:

Result= P_{Mea} + Cable Loss + Antenna Factor

Where:

P_{Mea} field strength recorded from the instrument

Average
802.11a
Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10359.400	35.0	-33.7	37.9	30.8	48.3	13.3	V
17997.800	34.8	-25.5	43.4	16.9	48.3	13.5	H
10360.500	34.6	-33.7	37.9	30.4	48.3	13.7	V
17943.900	34.6	-25.5	43.4	16.7	48.3	13.7	H
17993.400	34.6	-25.5	43.4	16.7	48.3	13.7	V
5149.700	46.0	-17.0	33.4	29.6	48.3	2.3	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10400.100	34.8	-33.2	37.9	30.1	48.3	13.5	V
17982.400	34.8	-25.5	43.4	16.9	48.3	13.5	H
17986.800	34.5	-25.5	43.4	16.6	48.3	13.8	H
17997.800	34.5	-25.5	43.4	16.6	48.3	13.8	H
17937.300	34.4	-25.5	43.4	16.5	48.3	13.9	V
17974.700	34.4	-25.5	43.4	16.5	48.3	13.9	H

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.800	34.3	-25.5	43.4	16.4	48.3	14.0	V
17981.300	34.3	-25.5	43.4	16.4	48.3	14.0	V
17982.400	34.3	-25.5	43.4	16.4	48.3	14.0	V
17993.400	34.3	-25.5	43.4	16.4	48.3	14.0	H
17978.000	34.2	-25.5	43.4	16.3	48.3	14.1	H
17980.200	34.2	-25.5	43.4	16.3	48.3	14.1	H

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10520.000	35.6	-33.0	38.0	30.6	48.3	12.7	V
17990.100	34.5	-25.5	43.4	16.6	48.3	13.8	H
17965.900	34.3	-25.5	43.4	16.4	48.3	14.0	H
17995.600	34.3	-25.5	43.4	16.4	48.3	14.0	V
17969.200	34.2	-25.5	43.4	16.3	48.3	14.1	H
17974.700	34.2	-25.5	43.4	16.3	48.3	14.1	V

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.000	34.4	-25.5	43.4	16.5	48.3	13.9	H
17976.900	34.4	-25.5	43.4	16.5	48.3	13.9	H
17987.900	34.4	-25.5	43.4	16.5	48.3	13.9	V
17997.800	34.4	-25.5	43.4	16.5	48.3	13.9	V
17957.100	34.3	-25.5	43.4	16.4	48.3	14.0	V
17992.300	34.3	-25.5	43.4	16.4	48.3	14.0	H

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10639.900	35.6	-32.8	38.0	30.4	48.3	12.7	H
10641.000	35.1	-32.8	38.0	29.9	48.3	13.2	H
10638.800	34.7	-32.8	38.0	29.5	48.3	13.6	H
15959.500	34.7	-27.4	37.8	24.3	48.3	13.6	V
10643.200	34.6	-32.8	38.0	29.4	48.3	13.7	H
5372.400	37.7	-16.9	33.4	21.2	48.3	10.6	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10999.600	42.5	-32.8	38.2	37.1	48.3	5.8	H
10998.500	42.0	-32.8	38.2	36.6	48.3	6.3	H
11000.700	42.0	-32.8	38.2	36.6	48.3	6.3	H
11001.800	41.8	-32.5	38.2	36.1	48.3	6.5	H
11002.900	41.8	-32.5	38.2	36.1	48.3	6.5	H
5459.900	45.2	-16.8	33.4	28.6	48.3	3.1	H

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11199.800	43.5	-32.6	38.2	37.9	48.3	4.8	V
11200.900	43.4	-32.6	38.2	37.8	48.3	4.9	V
11202.000	43.4	-32.6	38.2	37.8	48.3	4.9	V
11198.700	43.3	-32.6	38.2	37.7	48.3	5.0	V
11197.600	43.2	-32.6	38.2	37.6	48.3	5.1	V
11195.400	42.1	-32.6	38.2	36.5	48.3	6.2	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11401.100	44.7	-32.4	38.2	38.9	48.3	3.6	V
11400.000	44.3	-32.4	38.2	38.5	48.3	4.0	V
11396.700	44.2	-32.4	38.2	38.4	48.3	4.1	V
11404.400	44.2	-32.4	38.2	38.4	48.3	4.1	V
11402.200	43.9	-32.4	38.2	38.1	48.3	4.4	V
5726.200	45.3	-16.3	34.2	27.4	48.3	3.0	H

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10359.400	35.2	-33.7	37.9	31.0	48.3	13.1	V
10360.500	34.8	-33.7	37.9	30.6	48.3	13.5	V
17952.700	34.8	-25.5	43.4	16.9	48.3	13.5	H
17980.200	34.8	-25.5	43.4	16.9	48.3	13.5	H
17951.600	34.7	-25.5	43.4	16.8	48.3	13.6	H
5149.900	46.9	-17.0	33.4	30.5	48.3	1.4	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10400.100	34.7	-33.2	37.9	30.0	48.3	13.6	V
17981.300	34.7	-25.5	43.4	16.8	48.3	13.6	H
17974.700	34.6	-25.5	43.4	16.7	48.3	13.7	H
17976.900	34.6	-25.5	43.4	16.7	48.3	13.7	H
17994.500	34.6	-25.5	43.4	16.7	48.3	13.7	H
17961.500	34.5	-25.5	43.4	16.6	48.3	13.8	V

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	34.5	-25.5	43.4	16.6	48.3	13.8	V
17976.900	34.3	-25.5	43.4	16.4	48.3	14.0	V
17986.800	34.3	-25.5	43.4	16.4	48.3	14.0	H
17990.100	34.3	-25.5	43.4	16.4	48.3	14.0	V
17969.200	34.2	-25.5	43.4	16.3	48.3	14.1	V
17991.200	34.2	-25.5	43.4	16.3	48.3	14.1	H

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10520.000	35.6	-33.0	38.0	30.6	48.3	12.7	V
17964.800	34.4	-25.5	43.4	16.5	48.3	13.9	H
17980.200	34.4	-25.5	43.4	16.5	48.3	13.9	V
17956.000	34.2	-25.5	43.4	16.3	48.3	14.1	H
17971.400	34.2	-25.5	43.4	16.3	48.3	14.1	V
17974.700	34.2	-25.5	43.4	16.3	48.3	14.1	H

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10559.600	36.4	-33.0	38.0	31.4	48.3	11.9	V
17985.700	34.5	-25.5	43.4	16.6	48.3	13.8	H
17989.000	34.5	-25.5	43.4	16.6	48.3	13.8	H
10558.500	34.3	-33.0	38.0	29.3	48.3	14.0	H
17956.000	34.3	-25.5	43.4	16.4	48.3	14.0	H
17978.000	34.3	-25.5	43.4	16.4	48.3	14.0	H

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10641.000	35.5	-32.8	38.0	30.3	48.3	12.8	H
10639.900	35.4	-32.8	38.0	30.2	48.3	12.9	V
10637.700	35.0	-32.8	38.0	29.8	48.3	13.3	H
15962.800	34.9	-27.4	37.8	24.5	48.3	13.4	V
15957.300	34.8	-27.4	37.8	24.4	48.3	13.5	V
5371.500	38.1	-16.9	33.4	21.6	48.3	10.2	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10999.600	42.7	-32.8	38.2	37.3	48.3	5.6	H
11000.700	42.3	-32.8	38.2	36.9	48.3	6.0	H
10998.500	41.9	-32.8	38.2	36.5	48.3	6.4	H
11001.800	41.8	-32.5	38.2	36.1	48.3	6.5	H
10997.400	41.5	-32.8	38.2	36.1	48.3	6.8	H
5453.100	43.4	-16.8	33.4	26.8	48.3	4.9	H

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11200.900	42.5	-32.6	38.2	36.9	54.0	5.8	V
11199.800	42.3	-32.6	38.2	36.7	54.0	6.0	H
11198.700	42.1	-32.6	38.2	36.5	54.0	6.2	V
11197.600	42.0	-32.6	38.2	36.4	54.0	6.3	V
11205.300	42.0	-32.6	38.2	36.4	54.0	6.3	V
11203.100	41.9	-32.6	38.2	36.3	54.0	6.4	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11398.900	44.9	-32.4	38.2	39.1	54.0	3.4	V
11400.000	44.9	-32.4	38.2	39.1	54.0	3.4	V
11397.800	44.5	-32.4	38.2	38.7	54.0	3.8	V
11403.300	44.5	-32.4	38.2	38.7	54.0	3.8	V
11404.400	44.4	-32.4	38.2	38.6	54.0	3.9	V
5725.500	45.6	-16.3	34.2	27.7	54.0	2.7	H

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.000	34.5	-25.5	43.4	16.6	48.3	13.8	H
17971.400	34.4	-25.5	43.4	16.5	48.3	13.9	H
17996.700	34.4	-25.5	43.4	16.5	48.3	13.9	H
17993.400	34.3	-25.5	43.4	16.4	48.3	14.0	V
17950.500	34.2	-25.5	43.4	16.3	48.3	14.1	H
5145.800	42.8	-17.0	33.4	26.4	48.3	5.5	H

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.300	34.4	-25.5	43.4	16.5	48.3	13.9	H
17984.600	34.4	-25.5	43.4	16.5	48.3	13.9	H
17962.600	34.3	-25.5	43.4	16.4	48.3	14.0	H
17969.200	34.3	-25.5	43.4	16.4	48.3	14.0	H
17972.500	34.3	-25.5	43.4	16.4	48.3	14.0	V
17976.900	34.3	-25.5	43.4	16.4	48.3	14.0	H

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.700	34.5	-25.5	43.4	16.6	48.3	13.8	V
17965.900	34.4	-25.5	43.4	16.5	48.3	13.9	H
17981.300	34.4	-25.5	43.4	16.5	48.3	13.9	V
17993.400	34.4	-25.5	43.4	16.5	48.3	13.9	H
17973.600	34.3	-25.5	43.4	16.4	48.3	14.0	H
17984.600	34.3	-25.5	43.4	16.4	48.3	14.0	V

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.140	34.8	-34.8	34.6	35.0	48.3	13.5	H
17982.400	34.6	-17.7	45.6	6.7	48.3	13.7	H
17980.200	34.5	-17.7	45.6	6.6	48.3	13.8	V
17975.800	34.4	-17.7	45.6	6.5	48.3	13.9	H
17973.600	34.3	-17.7	45.6	6.4	48.3	14.0	H
17989.000	34.3	-17.7	45.6	6.4	48.3	14.0	H

Channel 102

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17962.600	34.7	-25.5	43.4	16.8	48.3	13.6	V
17976.900	34.6	-25.5	43.4	16.7	48.3	13.7	H
17992.300	34.6	-25.5	43.4	16.7	48.3	13.7	H
17965.900	34.5	-25.5	43.4	16.6	48.3	13.8	H
17973.600	34.5	-25.5	43.4	16.6	48.3	13.8	H
5459.900	38.2	-16.8	33.4	21.6	48.3	10.1	V

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.800	34.5	-25.5	43.4	16.6	48.3	13.8	H
17972.500	34.5	-25.5	43.4	16.6	48.3	13.8	H
17973.600	34.5	-25.5	43.4	16.6	48.3	13.8	H
17981.300	34.5	-25.5	43.4	16.6	48.3	13.8	H
17984.600	34.5	-25.5	43.4	16.6	48.3	13.8	H
17985.700	34.5	-25.5	43.4	16.6	48.3	13.8	H

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17987.900	34.9	-25.5	43.4	17.0	48.3	13.4	H
17970.300	34.5	-25.5	43.4	16.6	48.3	13.8	H
17974.700	34.5	-25.5	43.4	16.6	48.3	13.8	V
17980.200	34.5	-25.5	43.4	16.6	48.3	13.8	V
17986.800	34.5	-25.5	43.4	16.6	48.3	13.8	H
5745.200	37.9	-16.3	34.2	20.0	48.3	10.4	H

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10400.100	35.0	-33.2	37.9	30.3	48.3	13.3	V
17992.300	34.5	-25.5	43.4	16.6	48.3	13.8	H
17995.600	34.5	-25.5	43.4	16.6	48.3	13.8	V
17961.500	34.4	-25.5	43.4	16.5	48.3	13.9	H
17965.900	34.4	-25.5	43.4	16.5	48.3	13.9	V
17968.100	34.4	-25.5	43.4	16.5	48.3	13.9	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10400.100	35.0	-33.2	37.9	30.3	48.3	13.3	V
17992.300	34.5	-25.5	43.4	16.6	48.3	13.8	H
17995.600	34.5	-25.5	43.4	16.6	48.3	13.8	V
17961.500	34.4	-25.5	43.4	16.5	48.3	13.9	H
17965.900	34.4	-25.5	43.4	16.5	48.3	13.9	V
17968.100	34.4	-25.5	43.4	16.5	48.3	13.9	V

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.200	34.6	-25.5	43.4	16.7	48.3	13.7	H
17970.300	34.5	-25.5	43.4	16.6	48.3	13.8	H
17979.100	34.4	-25.5	43.4	16.5	48.3	13.9	H
17968.100	34.3	-25.5	43.4	16.4	48.3	14.0	H
17971.400	34.3	-25.5	43.4	16.4	48.3	14.0	V
17965.900	34.2	-25.5	43.4	16.3	48.3	14.1	H

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.200	34.5	-25.5	43.4	16.6	48.3	13.8	H
17990.100	34.5	-25.5	43.4	16.6	48.3	13.8	H
17979.100	34.4	-25.5	43.4	16.5	48.3	13.9	H
17960.400	34.3	-25.5	43.4	16.4	48.3	14.0	H
17978.000	34.3	-25.5	43.4	16.4	48.3	14.0	V
17995.600	34.3	-25.5	43.4	16.4	48.3	14.0	H

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10559.600	36.1	-33.0	38.0	31.1	48.3	12.2	V
17964.800	34.5	-25.5	43.4	16.6	48.3	13.8	H
17980.200	34.4	-25.5	43.4	16.5	48.3	13.9	H
10560.700	34.3	-33.0	38.0	29.3	48.3	14.0	V
15840.700	34.3	-27.0	38.4	22.9	48.3	14.0	V
17973.600	34.3	-25.5	43.4	16.4	48.3	14.0	H

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10639.900	35.9	-32.8	38.0	30.7	48.3	12.4	H
10641.000	35.4	-32.8	38.0	30.2	48.3	12.9	H
15962.800	35.2	-27.4	37.8	24.8	48.3	13.1	V
15961.700	35.1	-27.4	37.8	24.7	48.3	13.2	V
15959.500	35.0	-27.4	37.8	24.6	48.3	13.3	V
5371.900	38.3	-16.9	33.4	21.8	48.3	10.0	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11000.700	42.6	-32.8	38.2	37.2	48.3	5.7	H
10998.500	41.9	-32.8	38.2	36.5	48.3	6.4	H
10999.600	41.8	-32.8	38.2	36.4	48.3	6.5	H
11001.800	41.8	-32.5	38.2	36.1	48.3	6.5	H
10997.400	41.6	-32.8	38.2	36.2	48.3	6.7	H
5450.300	36.5	-16.8	33.4	19.9	48.3	11.8	H

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11199.800	42.7	-32.6	38.2	37.1	48.3	5.6	V
11198.700	42.5	-32.6	38.2	36.9	48.3	5.8	V
11200.900	42.3	-32.6	38.2	36.7	48.3	6.0	V
11197.600	42.2	-32.6	38.2	36.6	48.3	6.1	V
11202.000	42.0	-32.6	38.2	36.4	48.3	6.3	V
11204.200	41.8	-32.6	38.2	36.2	48.3	6.5	H

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11400.000	44.8	-32.4	38.2	39.0	48.3	3.5	V
11398.900	44.3	-32.4	38.2	38.5	48.3	4.0	V
11401.100	44.2	-32.4	38.2	38.4	48.3	4.1	V
11405.500	43.9	-32.4	38.2	38.1	48.3	4.4	V
11397.800	43.6	-32.4	38.2	37.8	48.3	4.7	V
5725.200	38.9	-16.3	34.2	21.0	48.3	9.4	H

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.000	34.5	-25.5	43.4	16.6	48.3	13.8	H
17971.400	34.4	-25.5	43.4	16.5	48.3	13.9	H
17996.700	34.4	-25.5	43.4	16.5	48.3	13.9	H
17993.400	34.3	-25.5	43.4	16.4	48.3	14.0	V
17950.500	34.2	-25.5	43.4	16.3	48.3	14.1	H
5145.800	42.8	-17.0	33.4	26.4	48.3	5.5	H

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17962.600	34.4	-25.5	43.4	16.5	48.3	13.9	H
17964.800	34.4	-25.5	43.4	16.5	48.3	13.9	V
17978.000	34.4	-25.5	43.4	16.5	48.3	13.9	H
17982.400	34.4	-25.5	43.4	16.5	48.3	13.9	V
17993.400	34.4	-25.5	43.4	16.5	48.3	13.9	H
17996.700	34.4	-25.5	43.4	16.5	48.3	13.9	V

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.100	34.5	-25.5	43.4	16.6	48.3	13.8	H
17971.400	34.4	-25.5	43.4	16.5	48.3	13.9	V
17981.300	34.4	-25.5	43.4	16.5	48.3	13.9	H
17960.400	34.3	-25.5	43.4	16.4	48.3	14.0	H
17967.000	34.3	-25.5	43.4	16.4	48.3	14.0	H
17970.300	34.3	-25.5	43.4	16.4	48.3	14.0	H

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.560	34.3	-34.8	34.6	34.5	48.3	14.0	H
17980.200	34.5	-17.7	45.6	6.6	48.3	13.8	H
17995.600	34.5	-17.7	45.6	6.6	48.3	13.8	V
17979.100	34.4	-17.7	45.6	6.5	48.3	13.9	H
17996.700	34.4	-17.7	45.6	6.5	48.3	13.9	H
17994.500	34.3	-17.7	45.6	6.4	48.3	14.0	H

Channel 102

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17978.000	34.6	-25.5	43.4	16.7	48.3	13.7	H
17996.700	34.6	-25.5	43.4	16.7	48.3	13.7	H
17982.400	34.5	-25.5	43.4	16.6	48.3	13.8	H
17986.800	34.5	-25.5	43.4	16.6	48.3	13.8	V
17980.200	34.4	-25.5	43.4	16.5	48.3	13.9	H
5459.800	37.3	-16.8	33.4	20.7	48.3	11.0	V

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.500	34.7	-25.5	43.4	16.8	48.3	13.6	V
17982.400	34.6	-25.5	43.4	16.7	48.3	13.7	H
17968.100	34.5	-25.5	43.4	16.6	48.3	13.8	H
17980.200	34.5	-25.5	43.4	16.6	48.3	13.8	H
17961.500	34.4	-25.5	43.4	16.5	48.3	13.9	H
17964.800	34.4	-25.5	43.4	16.5	48.3	13.9	V

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17974.700	34.5	-25.5	43.4	16.6	48.3	13.8	V
17987.900	34.5	-25.5	43.4	16.6	48.3	13.8	V
17994.500	34.5	-25.5	43.4	16.6	48.3	13.8	V
17983.500	34.4	-25.5	43.4	16.5	48.3	13.9	H
17992.300	34.4	-25.5	43.4	16.5	48.3	13.9	H
5725.400	38.1	-16.3	34.2	20.2	48.3	10.2	H

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Channel 42

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.800	34.8	-25.5	43.4	16.9	48.3	13.5	V
17995.600	34.7	-25.5	43.4	16.8	48.3	13.6	H
17997.800	34.6	-25.5	43.4	16.7	48.3	13.7	H
17945.000	34.4	-25.5	43.4	16.5	48.3	13.9	H
17958.200	34.4	-25.5	43.4	16.5	48.3	13.9	H
5141.800	34.6	-17.0	33.4	18.2	48.3	13.7	V

Channel 58

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17989.000	34.6	-25.5	43.4	16.7	48.3	13.7	V
17991.200	34.6	-25.5	43.4	16.7	48.3	13.7	H
17995.600	34.6	-25.5	43.4	16.7	48.3	13.7	H
17982.400	34.5	-25.5	43.4	16.6	48.3	13.8	H
17974.700	34.4	-25.5	43.4	16.5	48.3	13.9	H
17979.100	34.4	-25.5	43.4	16.5	48.3	13.9	V

Channel 106

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.500	34.6	-25.5	43.4	16.7	48.3	13.7	V
17962.600	34.5	-25.5	43.4	16.6	48.3	13.8	H
17974.700	34.5	-25.5	43.4	16.6	48.3	13.8	V
17964.800	34.4	-25.5	43.4	16.5	48.3	13.9	H
17967.000	34.4	-25.5	43.4	16.5	48.3	13.9	H
5457.300	33.5	-16.8	33.4	16.9	48.3	14.8	H

Peak

802.11a

Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17974.700	46.4	-25.5	43.4	28.5	68.3	21.9	V
17978.000	46.2	-25.5	43.4	28.3	68.3	22.1	H
17939.500	46.0	-25.5	43.4	28.1	68.3	22.3	H
17884.500	45.9	-25.5	43.4	28.0	68.3	22.4	V
17921.900	45.9	-25.5	43.4	28.0	68.3	22.4	H
5148.700	64.3	-17.0	33.4	47.9	68.3	4.0	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17879.000	47.0	-25.5	43.4	29.1	68.3	21.3	H
17951.600	46.9	-25.5	43.4	29.0	68.3	21.4	V
17970.300	46.8	-25.5	43.4	28.9	68.3	21.5	V
17968.100	46.5	-25.5	43.4	28.6	68.3	21.8	H
17969.200	46.4	-25.5	43.4	28.5	68.3	21.9	V
17981.300	46.3	-25.5	43.4	28.4	68.3	22.0	V

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.700	46.7	-25.5	43.4	28.8	68.3	21.6	V
17896.600	46.2	-25.5	43.4	28.3	68.3	22.1	V
17958.200	46.1	-25.5	43.4	28.2	68.3	22.2	H
17961.500	46.1	-25.5	43.4	28.2	68.3	22.2	V
17983.500	46.1	-25.5	43.4	28.2	68.3	22.2	H
17960.400	45.9	-25.5	43.4	28.0	68.3	22.4	H

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17987.900	47.1	-25.5	43.4	29.2	68.3	21.2	V
17990.100	46.9	-25.5	43.4	29.0	68.3	21.4	H
17952.700	46.1	-25.5	43.4	28.2	68.3	22.2	V
17909.800	46.0	-25.5	43.4	28.1	68.3	22.3	V
17993.400	46.0	-25.5	43.4	28.1	68.3	22.3	V
17976.900	45.6	-25.5	43.4	27.7	68.3	22.7	H

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17892.200	47.1	-25.5	43.4	29.2	68.3	21.2	V
10559.600	46.5	-33.0	38.0	41.5	68.3	21.8	H
15850.600	46.3	-27.0	38.4	34.9	68.3	22.0	V
17906.500	46.2	-25.5	43.4	28.3	68.3	22.1	V
17987.900	45.9	-25.5	43.4	28.0	68.3	22.4	V
17827.300	45.8	-25.5	43.4	27.9	68.3	22.5	H

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10639.900	47.0	-32.8	38.0	41.8	68.3	21.3	H
15957.300	46.7	-27.4	37.8	36.3	68.3	21.6	V
17979.100	46.4	-25.5	43.4	28.5	68.3	21.9	H
17936.200	46.3	-25.5	43.4	28.4	68.3	22.0	V
17903.200	46.1	-25.5	43.4	28.2	68.3	22.2	H
5372.600	49.0	-16.9	33.4	32.5	68.3	19.3	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10999.600	53.7	-32.8	38.2	48.3	68.3	14.6	H
11002.900	53.3	-32.5	38.2	47.6	68.3	15.0	H
10991.900	52.9	-32.8	38.2	47.5	68.3	15.4	H
10998.500	52.3	-32.8	38.2	46.9	68.3	16.0	H
11000.700	51.9	-32.8	38.2	46.5	68.3	16.4	H
5459.700	61.8	-16.8	33.4	45.2	68.3	6.5	H

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11199.800	54.5	-32.6	38.2	48.9	68.3	13.8	V
11198.700	53.5	-32.6	38.2	47.9	68.3	14.8	V
11200.900	53.3	-32.6	38.2	47.7	68.3	15.0	V
11197.600	53.2	-32.6	38.2	47.6	68.3	15.1	V
11195.400	53.0	-32.6	38.2	47.4	68.3	15.3	V
11202.000	52.9	-32.6	38.2	47.3	68.3	15.4	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11401.100	55.9	-32.4	38.2	50.1	68.3	12.4	V
11402.200	55.6	-32.4	38.2	49.8	68.3	12.7	V
11403.300	55.6	-32.4	38.2	49.8	68.3	12.7	V
11407.700	55.4	-32.4	38.2	49.6	68.3	12.9	V
11400.000	55.3	-32.4	38.2	49.5	68.3	13.0	V
5725.100	60.7	-16.3	34.2	42.8	68.3	7.6	H

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.600	47.0	-25.5	43.4	29.1	68.3	21.3	V
17949.400	46.7	-25.5	43.4	28.8	68.3	21.6	H
17934.000	46.6	-25.5	43.4	28.7	68.3	21.7	H
17848.200	46.2	-25.5	43.4	28.3	68.3	22.1	H
17881.200	46.2	-25.5	43.4	28.3	68.3	22.1	H
5146.400	63.5	-17.0	33.4	47.1	68.3	4.8	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.300	46.2	-25.5	43.4	28.3	68.3	22.1	H
17936.200	46.0	-25.5	43.4	28.1	68.3	22.3	H
17958.200	46.0	-25.5	43.4	28.1	68.3	22.3	H
17973.600	45.9	-25.5	43.4	28.0	68.3	22.4	H
17995.600	45.9	-25.5	43.4	28.0	68.3	22.4	V
17923.000	45.8	-25.5	43.4	27.9	68.3	22.5	H

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17950.500	46.8	-25.5	43.4	28.9	68.3	21.5	H
17936.200	46.3	-25.5	43.4	28.4	68.3	22.0	V
17815.200	46.1	-25.5	43.4	28.2	68.3	22.2	H
17994.500	45.9	-25.5	43.4	28.0	68.3	22.4	H
17899.900	45.8	-25.5	43.4	27.9	68.3	22.5	H
17894.400	45.7	-25.5	43.4	27.8	68.3	22.6	V

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17924.100	47.6	-25.5	43.4	29.7	68.3	20.7	V
17972.500	47.0	-25.5	43.4	29.1	68.3	21.3	H
17957.100	45.9	-25.5	43.4	28.0	68.3	22.4	V
17973.600	45.7	-25.5	43.4	27.8	68.3	22.6	H
17975.800	45.7	-25.5	43.4	27.8	68.3	22.6	V
17979.100	45.7	-25.5	43.4	27.8	68.3	22.6	H

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
15835.200	47.3	-27.0	38.4	35.9	68.3	21.0	V
10559.600	46.8	-33.0	38.0	41.8	68.3	21.5	V
17979.100	46.1	-25.5	43.4	28.2	68.3	22.2	H
17916.400	45.7	-25.5	43.4	27.8	68.3	22.6	H
17984.600	45.7	-25.5	43.4	27.8	68.3	22.6	H
17958.200	45.6	-25.5	43.4	27.7	68.3	22.7	V

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
15958.400	47.4	-27.4	37.8	37.0	68.3	20.9	V
17901.000	47.1	-25.5	43.4	29.2	68.3	21.2	H
17982.400	47.0	-25.5	43.4	29.1	68.3	21.3	H
15955.100	46.8	-27.4	37.8	36.4	68.3	21.5	V
15961.700	46.8	-27.4	37.8	36.4	68.3	21.5	V
5352.100	49.8	-16.9	33.4	33.3	68.3	18.5	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10999.600	53.1	-32.8	38.2	47.7	68.3	15.2	H
10991.900	52.8	-32.8	38.2	47.4	68.3	15.5	H
11002.900	52.6	-32.5	38.2	46.9	68.3	15.7	H
11000.700	52.5	-32.8	38.2	47.1	68.3	15.8	H
10998.500	52.3	-32.8	38.2	46.9	68.3	16.0	H
5456.100	56.0	-16.8	33.4	39.4	68.3	12.3	H

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11202.000	54.3	-32.6	38.2	48.7	68.3	14.0	H
11209.700	54.3	-32.6	38.2	48.7	68.3	14.0	V
11196.500	53.7	-32.6	38.2	48.1	68.3	14.6	V
11198.700	53.3	-32.6	38.2	47.7	68.3	15.0	V
11208.600	53.1	-32.6	38.2	47.5	68.3	15.2	V
11200.900	52.6	-32.6	38.2	47.0	68.3	15.7	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11402.200	56.7	-32.4	38.2	50.9	68.3	11.6	V
11400.000	56.4	-32.4	38.2	50.6	68.3	11.9	V
11401.100	55.7	-32.4	38.2	49.9	68.3	12.6	V
11405.500	55.5	-32.4	38.2	49.7	68.3	12.8	V
11395.600	55.3	-32.4	38.2	49.5	68.3	13.0	V
5725.100	60.0	-16.3	34.2	42.1	68.3	8.3	H

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17979.100	46.5	-25.5	43.4	28.6	68.3	21.8	V
17962.600	46.4	-25.5	43.4	28.5	68.3	21.9	H
17956.000	46.1	-25.5	43.4	28.2	68.3	22.2	H
17918.600	46.0	-25.5	43.4	28.1	68.3	22.3	V
17954.900	46.0	-25.5	43.4	28.1	68.3	22.3	V
5146.400	55.8	-17.0	33.4	39.4	68.3	12.5	H

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17986.800	46.4	-25.5	43.4	28.5	68.3	1.9	H
17890.000	46.0	-25.5	43.4	28.1	68.3	2.3	H
17976.900	46.0	-25.5	43.4	28.1	68.3	2.3	H
17884.500	45.9	-25.5	43.4	28.0	68.3	2.4	H
17995.600	45.8	-25.5	43.4	27.9	68.3	2.5	V
17983.500	45.7	-25.5	43.4	27.8	68.3	2.6	V

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17764.600	46.8	-25.5	43.4	28.9	68.3	21.5	V
17918.600	46.6	-25.5	43.4	28.7	68.3	21.7	H
17884.500	46.2	-25.5	43.4	28.3	68.3	22.1	H
17948.300	46.1	-25.5	43.4	28.2	68.3	22.2	V
17972.500	46.0	-25.5	43.4	28.1	68.3	22.3	V
17985.700	46.0	-25.5	43.4	28.1	68.3	22.3	V

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.860	51.1	-34.8	34.6	51.3	68.3	17.2	H
17920.800	46.8	-17.7	45.6	18.9	68.3	21.5	H
17916.400	46.8	-17.7	45.6	18.9	68.3	21.5	V
17932.900	46.6	-17.7	45.6	18.7	68.3	21.7	H
17993.400	46.2	-17.7	45.6	18.3	68.3	22.1	H
17907.600	46.0	-18.5	45.6	18.9	68.3	22.3	H

Channel 102

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17908.700	47.2	-25.5	43.4	29.3	68.3	21.1	H
17984.600	46.6	-25.5	43.4	28.7	68.3	21.7	H
17953.800	46.2	-25.5	43.4	28.3	68.3	22.1	H
17840.500	46.1	-25.5	43.4	28.2	68.3	22.2	V
17990.100	46.0	-25.5	43.4	28.1	68.3	22.3	H
5456.800	53.3	-16.8	33.4	36.7	68.3	15.0	V

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	47.3	-25.5	43.4	29.4	68.3	21.0	H
17973.600	46.5	-25.5	43.4	28.6	68.3	21.8	H
17976.900	46.2	-25.5	43.4	28.3	68.3	22.1	V
17995.600	46.2	-25.5	43.4	28.3	68.3	22.1	V
17953.800	46.1	-25.5	43.4	28.2	68.3	22.2	H
17984.600	46.0	-25.5	43.4	28.1	68.3	22.3	H

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.900	46.5	-25.5	43.4	28.6	68.3	21.8	V
17983.500	46.1	-25.5	43.4	28.2	68.3	22.2	V
17946.100	46.0	-25.5	43.4	28.1	68.3	22.3	H
17949.400	45.8	-25.5	43.4	27.9	68.3	22.5	V
17962.600	45.8	-25.5	43.4	27.9	68.3	22.5	V
5725.300	50.5	-16.3	34.2	32.6	68.3	17.8	V

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Channel 36

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17897.700	47.3	-25.5	43.4	29.4	68.3	21.0	H
17973.600	46.5	-25.5	43.4	28.6	68.3	21.8	H
17978.000	46.4	-25.5	43.4	28.5	68.3	21.9	V
17984.600	46.2	-25.5	43.4	28.3	68.3	22.1	H
17989.000	46.2	-25.5	43.4	28.3	68.3	22.1	V
5148.500	49.5	-17.0	33.4	33.1	68.3	18.8	V

Channel 40

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17978.000	46.8	-25.5	43.4	28.9	68.3	21.5	H
17975.800	46.4	-25.5	43.4	28.5	68.3	21.9	V
17961.500	46.3	-25.5	43.4	28.4	68.3	22.0	H
17970.300	46.3	-25.5	43.4	28.4	68.3	22.0	H
17995.600	46.3	-25.5	43.4	28.4	68.3	22.0	V
17959.300	46.2	-25.5	43.4	28.3	68.3	22.1	H

Channel 48

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17811.900	46.4	-25.5	43.4	28.5	68.3	21.9	V
17826.200	46.3	-25.5	43.4	28.4	68.3	22.0	V
17958.200	45.6	-25.5	43.4	27.7	68.3	22.7	H
17974.700	45.6	-25.5	43.4	27.7	68.3	22.7	V
17991.200	45.6	-25.5	43.4	27.7	68.3	22.7	H
17971.400	45.5	-25.5	43.4	27.6	68.3	22.8	V

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.700	46.1	-25.5	43.4	28.2	68.3	22.2	H
17968.100	46.1	-25.5	43.4	28.2	68.3	22.2	H
17864.700	45.9	-25.5	43.4	28.0	68.3	22.4	V
17981.300	45.9	-25.5	43.4	28.0	68.3	22.4	H
17991.200	45.9	-25.5	43.4	28.0	68.3	22.4	V
17995.600	45.9	-25.5	43.4	28.0	68.3	22.4	H

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17739.300	46.1	-25.5	43.4	28.2	68.3	22.2	H
17898.800	46.0	-25.5	43.4	28.1	68.3	22.3	H
17974.700	46.0	-25.5	43.4	28.1	68.3	22.3	H
10560.700	45.9	-33.0	38.0	40.9	68.3	22.4	V
17894.400	45.8	-25.5	43.4	27.9	68.3	22.5	H
17941.700	45.8	-25.5	43.4	27.9	68.3	22.5	H

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
15962.800	47.7	-27.4	37.8	37.3	68.3	20.6	V
15965.000	47.5	-27.4	37.8	37.1	68.3	20.8	V
10639.900	46.7	-32.8	38.0	41.5	68.3	21.6	H
17948.300	46.7	-25.5	43.4	28.8	68.3	21.6	V
15968.300	46.2	-27.4	37.8	35.8	68.3	22.1	V
5372.400	49.2	-16.9	33.4	32.7	68.3	19.1	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
10991.900	53.1	-32.8	38.2	47.7	68.3	15.2	H
10998.500	53.0	-32.8	38.2	47.6	68.3	15.3	H
10993.000	52.5	-32.8	38.2	47.1	68.3	15.8	H
11004.000	52.5	-32.5	38.2	46.8	68.3	15.8	H
10997.400	52.3	-32.8	38.2	46.9	68.3	16.0	H
5456.700	49.4	-16.8	33.4	32.8	68.3	18.9	V

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11198.700	54.2	-32.6	38.2	48.6	68.3	14.1	V
11196.500	53.9	-32.6	38.2	48.3	68.3	14.4	V
11202.000	53.6	-32.6	38.2	48.0	68.3	14.7	V
11199.800	53.4	-32.6	38.2	47.8	68.3	14.9	V
11195.400	52.8	-32.6	38.2	47.2	68.3	15.5	H
11208.600	52.7	-32.6	38.2	47.1	68.3	15.6	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
11397.800	55.9	-32.4	38.2	50.1	68.3	12.4	V
11401.100	55.9	-32.4	38.2	50.1	68.3	12.4	V
11396.700	55.4	-32.4	38.2	49.6	68.3	12.9	V
11405.500	55.0	-32.4	38.2	49.2	68.3	13.3	V
11400.000	54.9	-32.4	38.2	49.1	68.3	13.4	V
5725.700	53.7	-16.3	34.2	35.8	68.3	14.6	H

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Channel 38

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17892.200	46.4	-25.5	43.4	28.5	68.3	21.9	H
17885.600	46.3	-25.5	43.4	28.4	68.3	22.0	H
17950.500	46.0	-25.5	43.4	28.1	68.3	22.3	H
17983.500	45.7	-25.5	43.4	27.8	68.3	22.6	H
17875.700	45.6	-25.5	43.4	27.7	68.3	22.7	V
5140.200	48.7	-17.0	33.4	32.3	68.3	19.6	V

Channel 46

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17953.800	46.0	-25.5	43.4	28.1	68.3	2.3	H
17974.700	46.0	-25.5	43.4	28.1	68.3	2.3	V
17861.400	45.9	-25.5	43.4	28.0	68.3	2.4	H
17972.500	45.9	-25.5	43.4	28.0	68.3	2.4	V
17979.100	45.9	-25.5	43.4	28.0	68.3	2.4	H
17983.500	45.8	-25.5	43.4	27.9	68.3	2.5	H

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.300	46.7	-25.5	43.4	28.8	68.3	21.6	V
17891.100	46.3	-25.5	43.4	28.4	68.3	22.0	V
17880.100	45.8	-25.5	43.4	27.9	68.3	22.5	H
17796.500	45.7	-25.5	43.4	27.8	68.3	22.6	H
17886.700	45.6	-25.5	43.4	27.7	68.3	22.7	V
17990.100	45.6	-25.5	43.4	27.7	68.3	22.7	H

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.610	47.6	-34.8	34.6	47.8	68.3	20.7	H
17969.200	46.7	-17.7	45.6	18.8	68.3	21.6	H
17843.800	46.5	-18.5	45.6	19.4	68.3	21.8	V
17909.800	46.5	-18.5	45.6	19.4	68.3	21.8	H
17882.300	46.1	-18.5	45.6	19.0	68.3	22.2	H
17962.600	46.0	-17.7	45.6	18.1	68.3	22.3	H

Channel 102

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.700	46.3	-25.5	43.4	28.4	68.3	22.0	V
17984.600	46.3	-25.5	43.4	28.4	68.3	22.0	V
17912.000	45.9	-25.5	43.4	28.0	68.3	22.4	H
17940.600	45.9	-25.5	43.4	28.0	68.3	22.4	H
17859.200	45.8	-25.5	43.4	27.9	68.3	22.5	H
5458.400	52.4	-16.8	33.4	35.8	68.3	15.9	V

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	46.3	-25.5	43.4	28.4	68.3	22.0	V
17901.000	46.0	-25.5	43.4	28.1	68.3	22.3	V
17972.500	45.9	-25.5	43.4	28.0	68.3	22.4	H
17896.600	45.7	-25.5	43.4	27.8	68.3	22.6	V
17943.900	45.7	-25.5	43.4	27.8	68.3	22.6	H
17960.400	45.7	-25.5	43.4	27.8	68.3	22.6	H

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17948.300	46.3	-25.5	43.4	28.4	68.3	22.0	V
17971.400	46.3	-25.5	43.4	28.4	68.3	22.0	H
17972.500	46.3	-25.5	43.4	28.4	68.3	22.0	H
17939.500	46.1	-25.5	43.4	28.2	68.3	22.2	V
17973.600	46.1	-25.5	43.4	28.2	68.3	22.2	H
5732.800	50.0	-16.3	34.2	32.1	68.3	18.3	H

802.11ac-HT80

Channel 42

Frequency (MHz)	Meas. Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.500	46.8	-25.5	43.4	28.9	68.3	21.5	V
17989.000	46.7	-25.5	43.4	28.8	68.3	21.6	H
17968.100	46.5	-25.5	43.4	28.6	68.3	21.8	V
17945.000	46.3	-25.5	43.4	28.4	68.3	22.0	H
17991.200	46.1	-25.5	43.4	28.2	68.3	22.2	V
5143.300	48.4	-17.0	33.4	32.0	68.3	19.9	V

Channel 58

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.600	46.1	-25.5	43.4	28.2	68.3	22.2	H
17970.300	46.0	-25.5	43.4	28.1	68.3	22.3	H
17972.500	45.9	-25.5	43.4	28.0	68.3	22.4	H
17655.700	45.7	-25.7	43.4	28.0	68.3	22.6	V
17997.800	45.7	-25.5	43.4	27.8	68.3	22.6	V
17863.600	45.5	-25.5	43.4	27.6	68.3	22.8	V

Channel 106

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17974.700	46.6	-25.5	43.4	28.7	68.3	21.7	V
17975.800	46.5	-25.5	43.4	28.6	68.3	21.8	V
17964.800	46.2	-25.5	43.4	28.3	68.3	22.1	H
17979.100	46.2	-25.5	43.4	28.3	68.3	22.1	V
17980.200	46.2	-25.5	43.4	28.3	68.3	22.1	H
5451.000	46.3	-16.8	33.4	29.7	68.3	22.0	H

Sample:

17974.700MHz

Result (46.6 dBμV/m) = $P_{Mea}(28.7\text{dB}\mu\text{V/m}) + \text{Cable Loss}(-25.5\text{ dB}) + \text{Antenna Factor}(43.4\text{ dB/m})$

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

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.87	Fig.88	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 (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.87	Fig.88	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:

Result for Traffic:

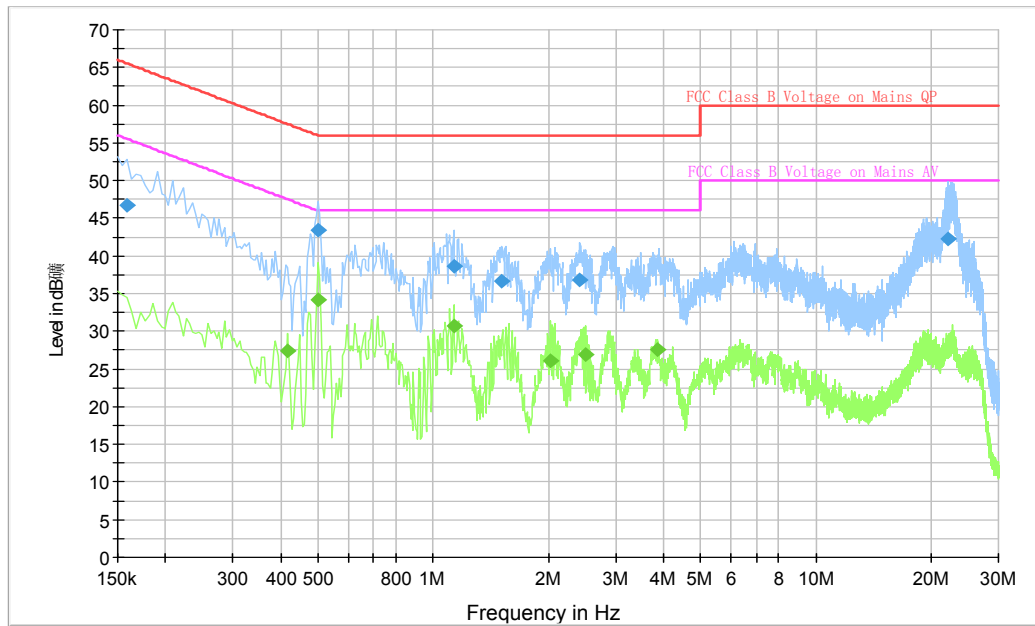


Fig.87 Conducted Emission (802.11a, Ch40, TX)

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Margin (dB)	Limit (dBμV)
0.159000	46.7	L1	18.8	65.5
0.501000	43.4	L1	12.6	56.0
1.131000	38.7	L1	17.3	56.0
1.509000	36.7	L1	19.3	56.0
2.422500	36.8	L1	19.2	56.0
22.159500	42.3	N	17.7	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Margin (dB)	Limit (dBμV)
0.415500	27.4	L1	20.2	47.5
0.501000	34.2	L1	11.8	46.0
1.131000	30.7	L1	15.3	46.0
2.022000	26.1	L1	19.9	46.0
2.499000	26.9	L1	19.1	46.0
3.840000	27.6	L1	18.4	46.0

Result for Idle:

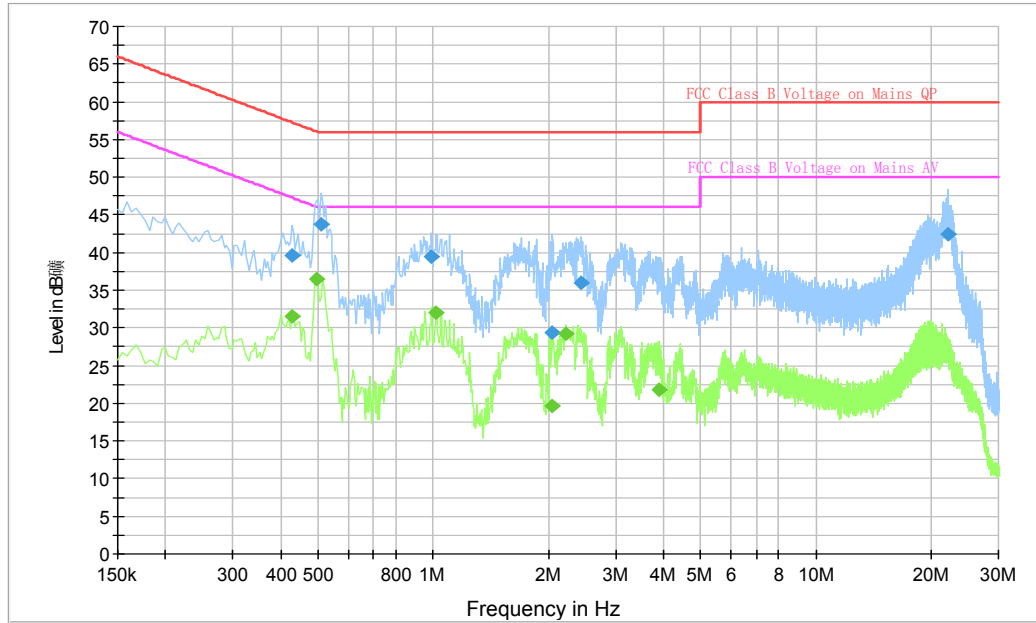


Fig.88 Conducted Emission (802.11a, IDLE)

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Margin (dB)	Limit (dBμV)
0.429000	39.6	L1	17.6	57.3
0.510000	43.7	L1	12.3	56.0
0.991500	39.4	L1	16.6	56.0
2.053500	29.3	L1	26.7	56.0
2.445000	36.0	L1	20.0	56.0
22.240500	42.5	N	17.5	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Line	Margin (dB)	Limit (dBμV)
0.429000	31.6	L1	15.7	47.3
0.496500	36.5	L1	9.6	46.1
1.018500	32.0	L1	14.0	46.0
2.053500	19.6	L1	26.4	46.0
2.215500	29.3	L1	16.7	46.0
3.880500	21.9	L1	24.1	46.0

A.8. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.89	18.08	P
	5200 MHz	Fig.90	18.12	P
	5240 MHz	Fig.91	18.04	P
802.11n HT20	5180 MHz	Fig.92	18.88	P
	5200 MHz	Fig.93	18.88	P
	5240 MHz	Fig.94	18.80	P
802.11ac HT20	5180 MHz	Fig.95	18.68	P
	5200 MHz	Fig.96	18.72	P
	5240 MHz	Fig.97	18.68	P
802.11n HT40	5190 MHz	Fig.98	36.48	P
	5230 MHz	Fig.99	36.48	P
802.11ac	5190 MHz	Fig.100	36.56	P

HT40	5230 MHz	Fig.101	36.40	P
802.11ac HT80	5210 MHz	Fig.102	74.72	P

Conclusion: PASS

Test graphs as below:

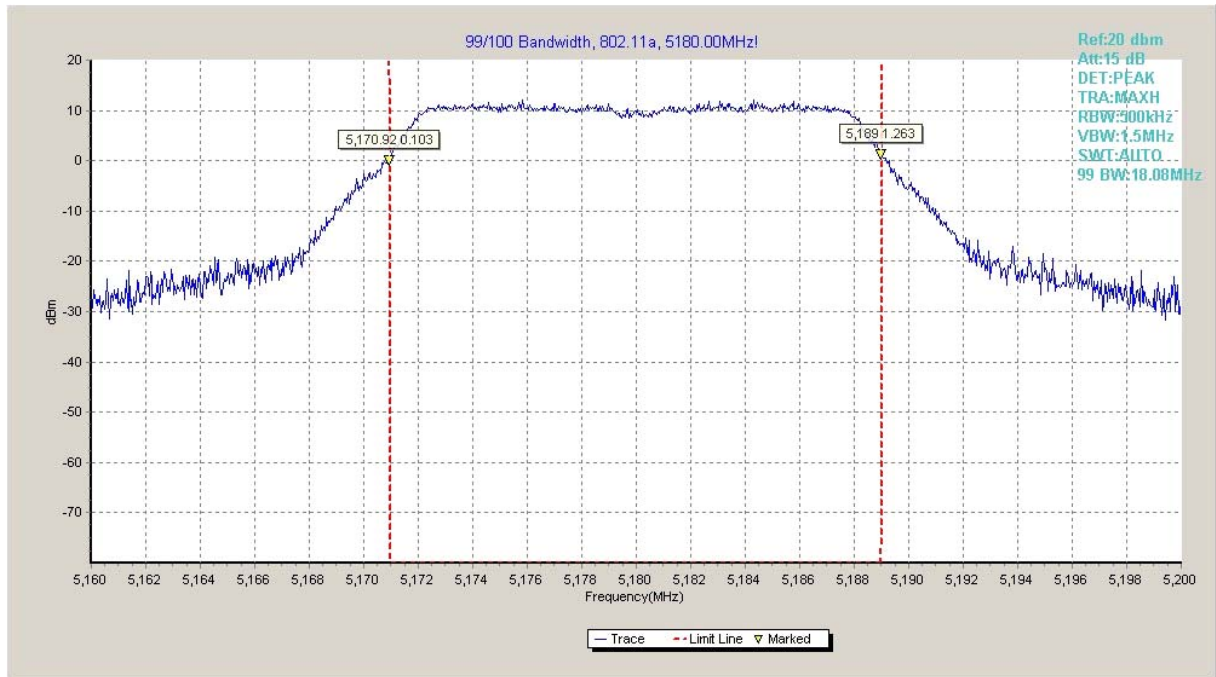


Fig.89 99% Occupied bandwidth (802.11a, 5180MHz)

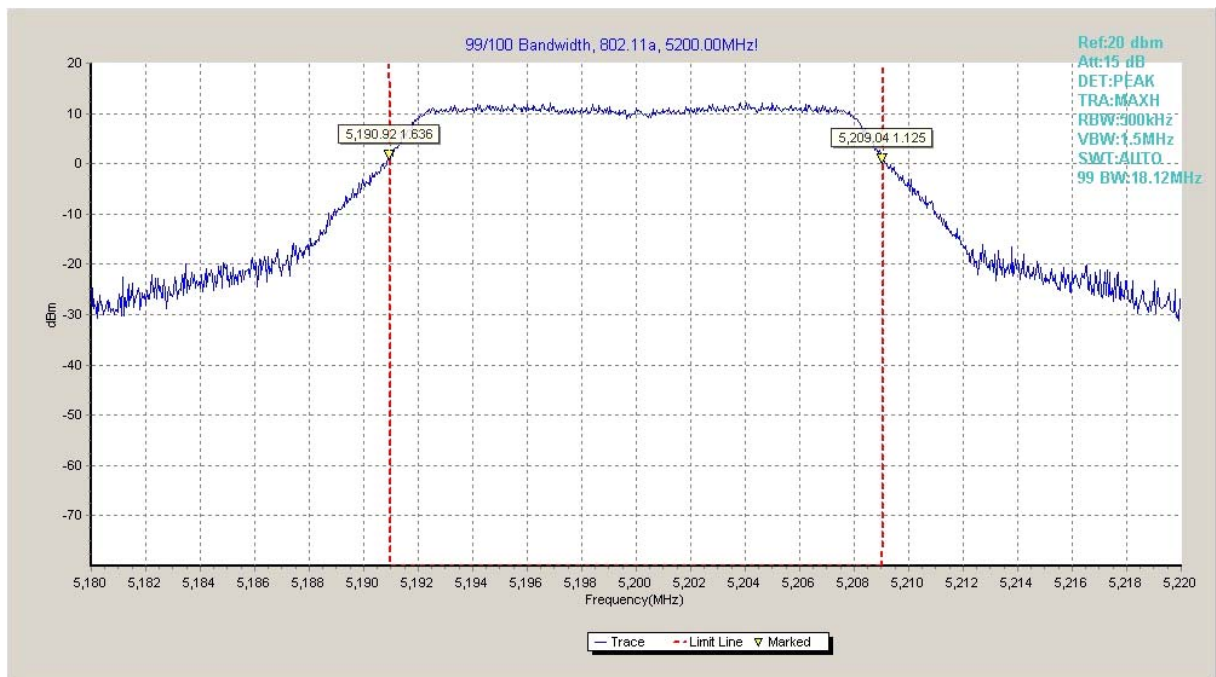


Fig.90 99% Occupied bandwidth (802.11a, 5200MHz)

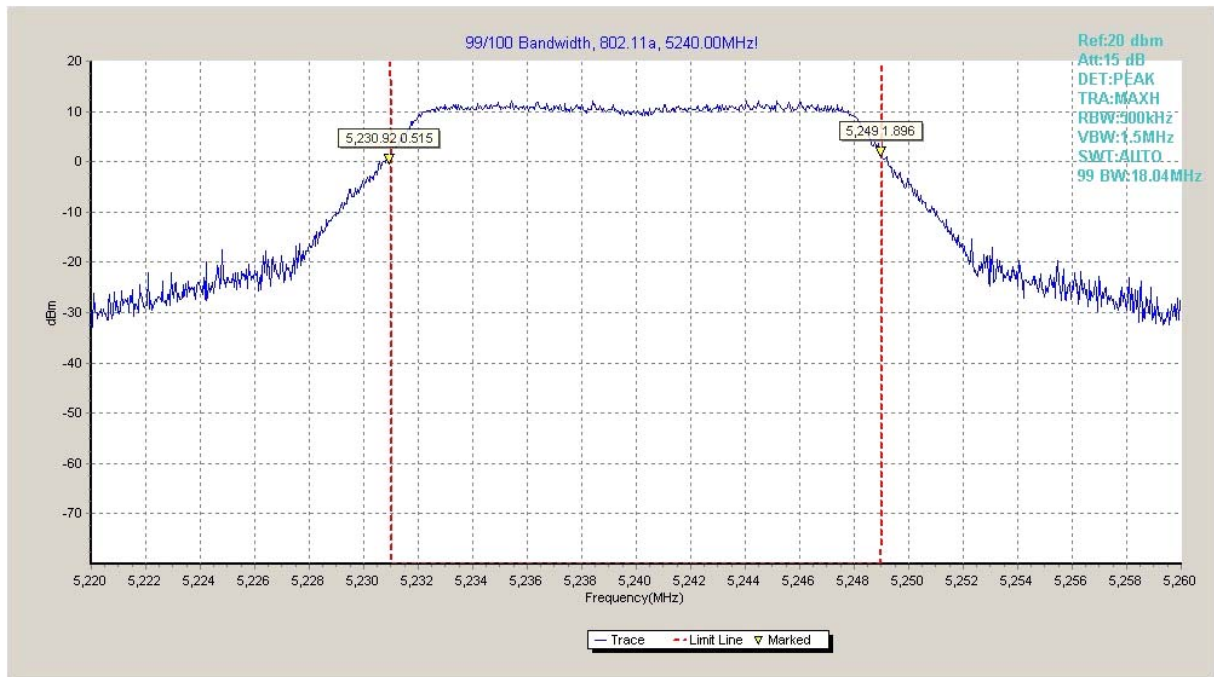


Fig.91 99% Occupied bandwidth (802.11a, 5240MHz)

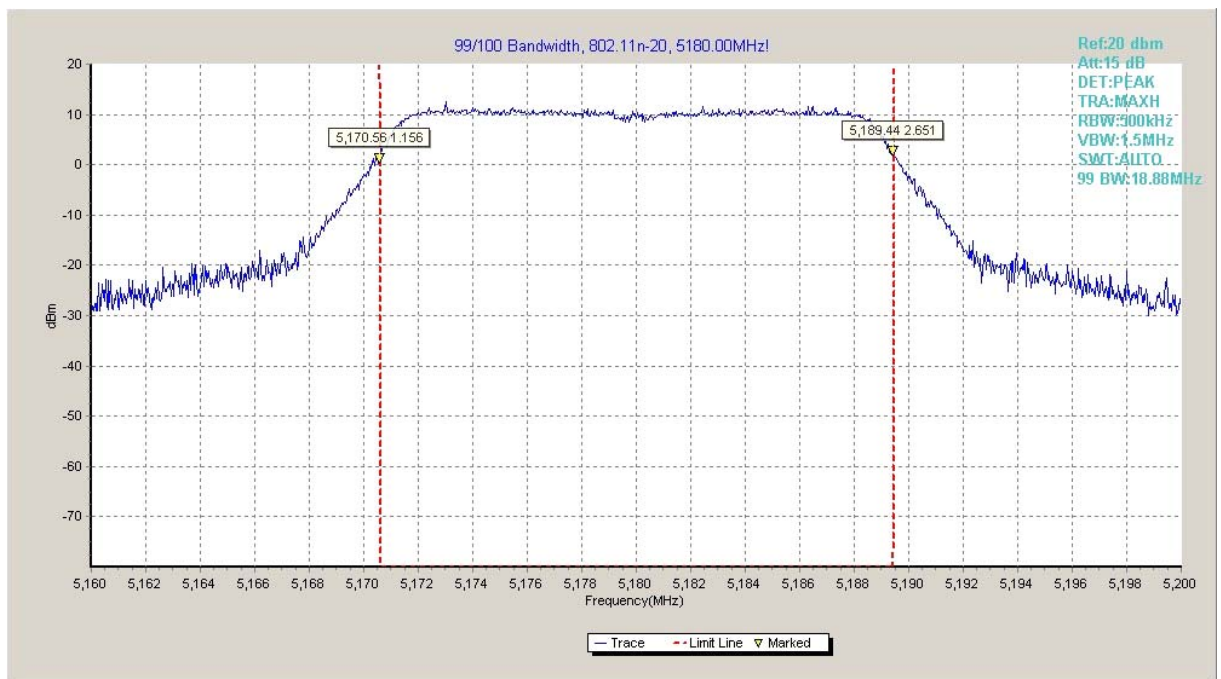


Fig.92 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

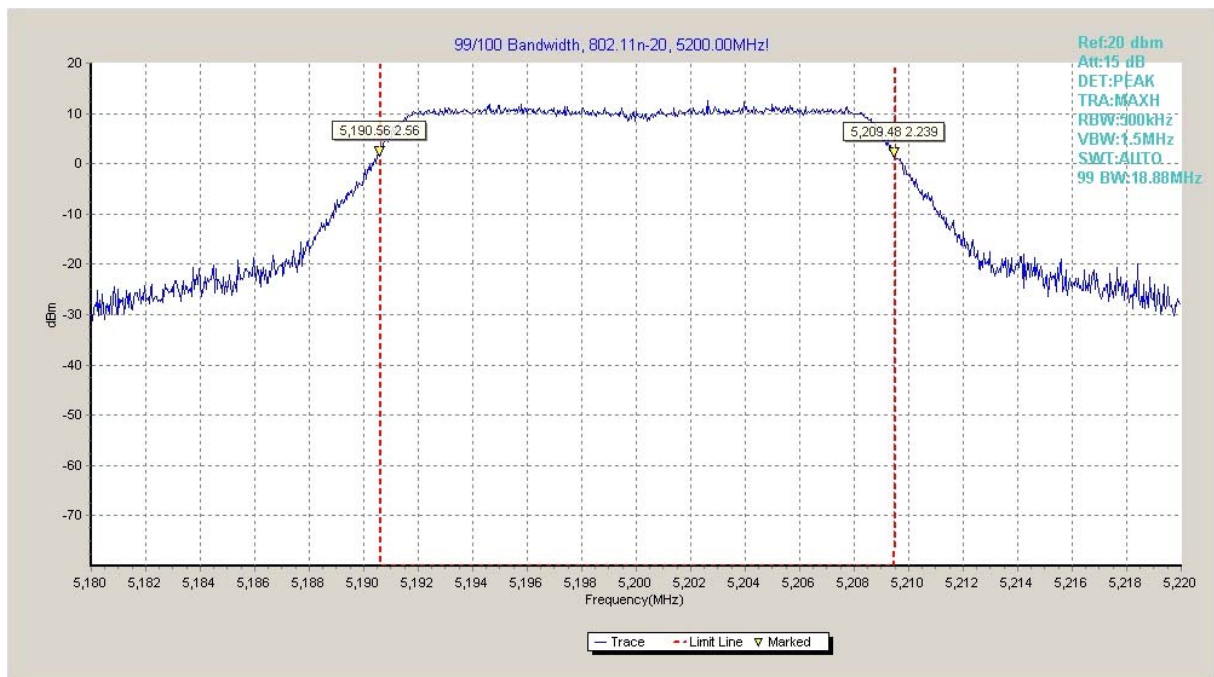


Fig.93 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

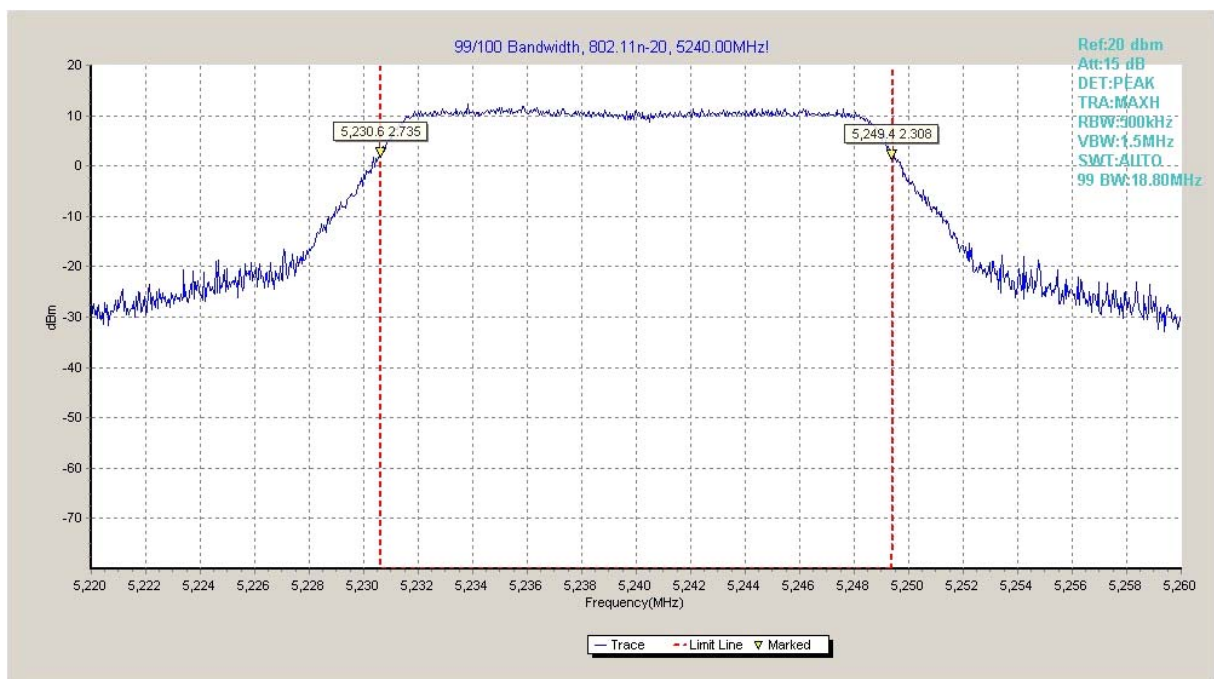


Fig.94 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

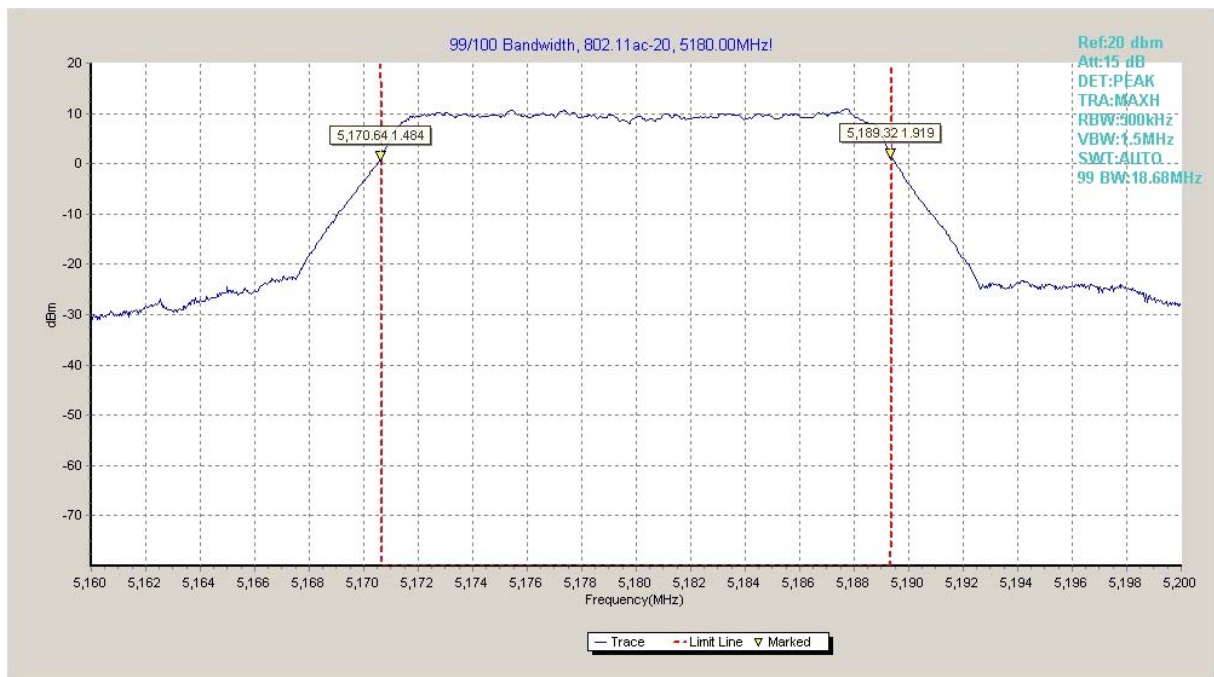


Fig.95 99% Occupied bandwidth (802.11ac-HT20, 5180MHz)

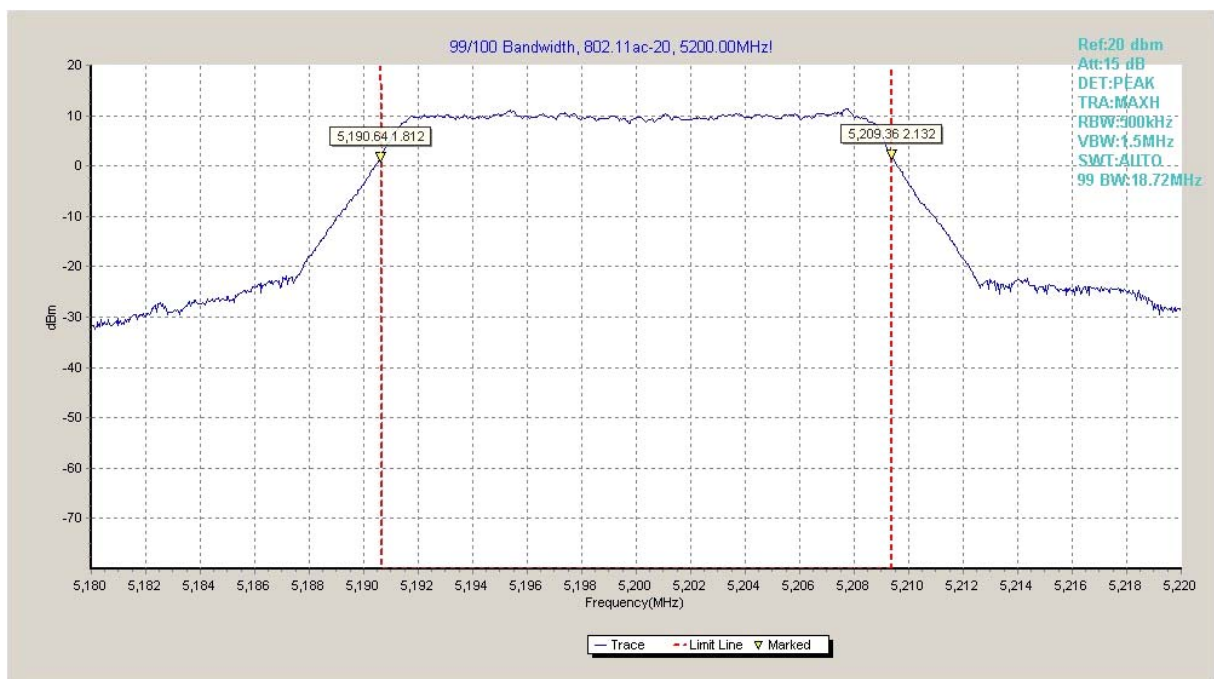


Fig.96 99% Occupied bandwidth (802.11ac-HT20, 5200MHz)

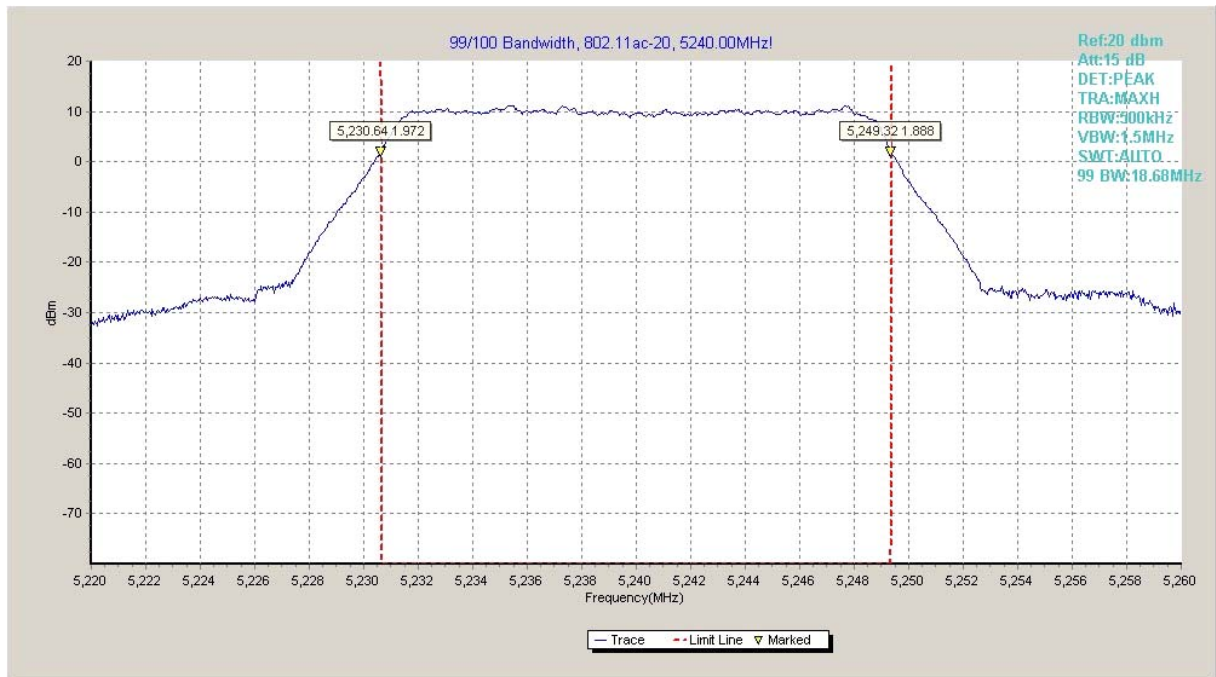


Fig.97 99% Occupied bandwidth (802.11ac-HT20, 5240MHz)

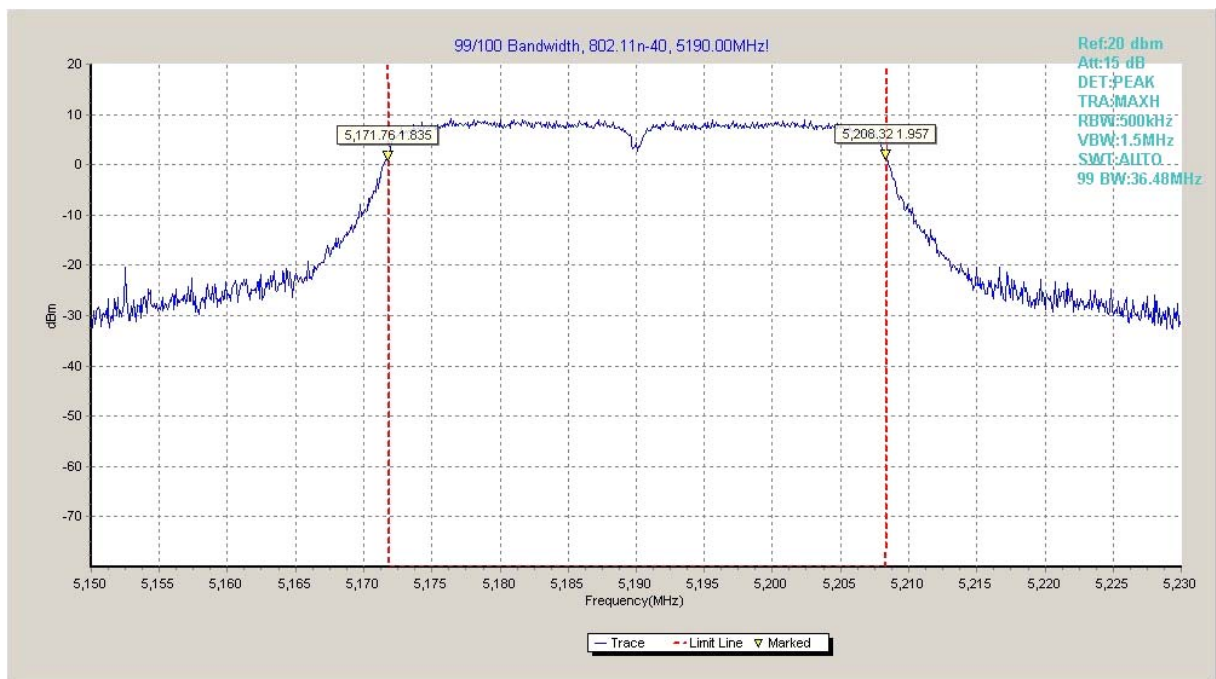


Fig.98 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

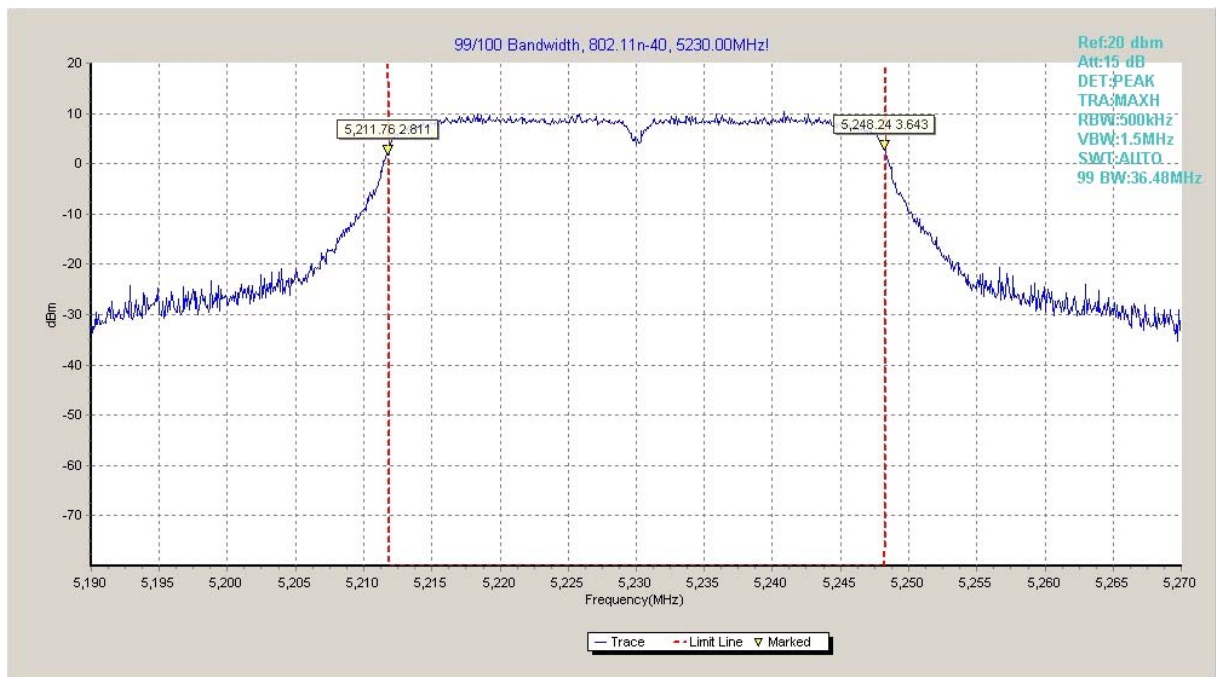


Fig.99 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

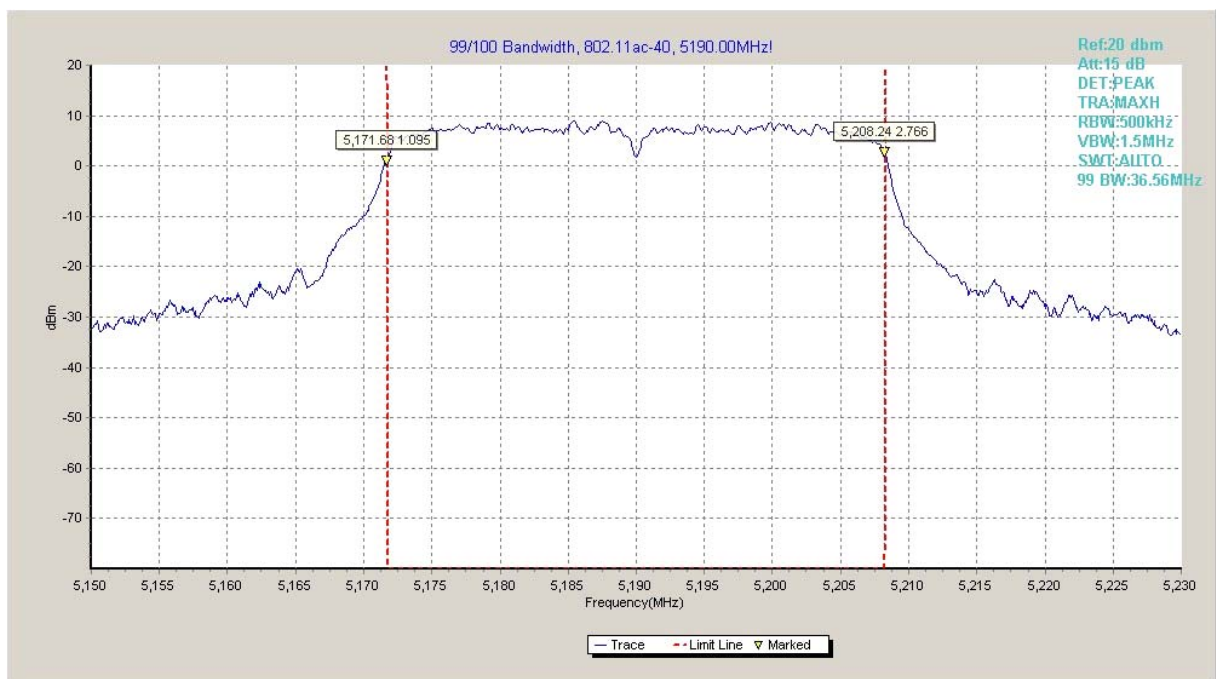


Fig.100 99% Occupied bandwidth (802.11ac-HT40, 5190MHz)

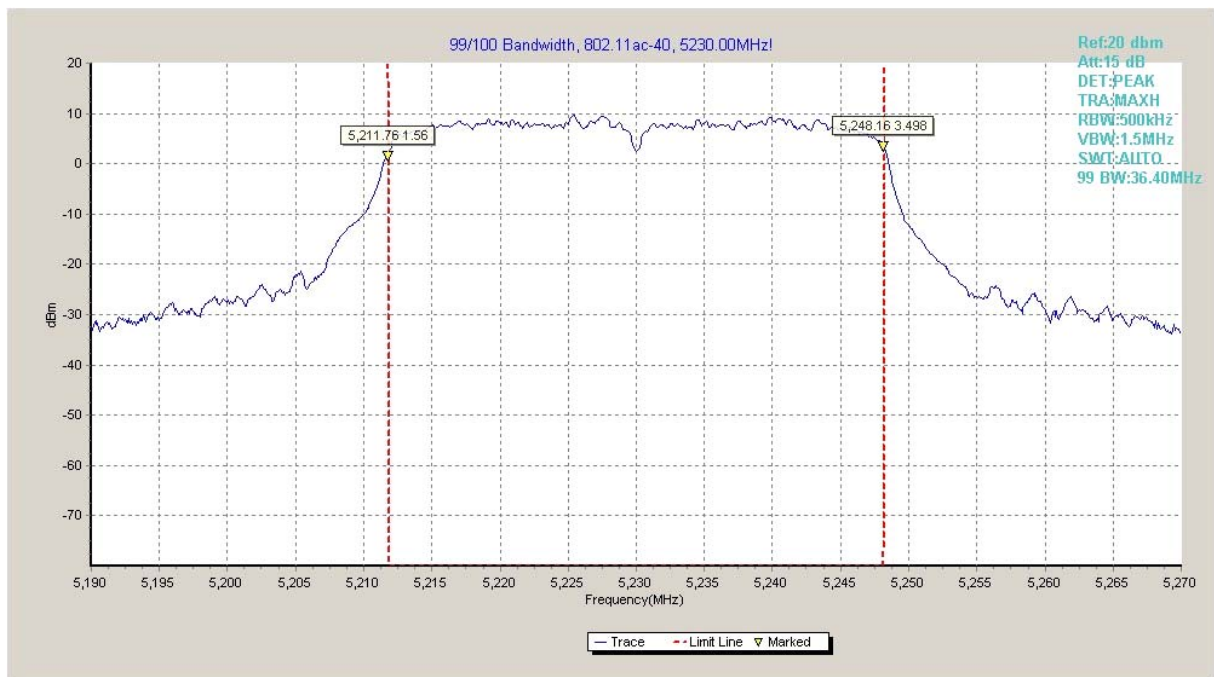


Fig.101 99% Occupied bandwidth (802.11ac-HT40, 5230MHz)

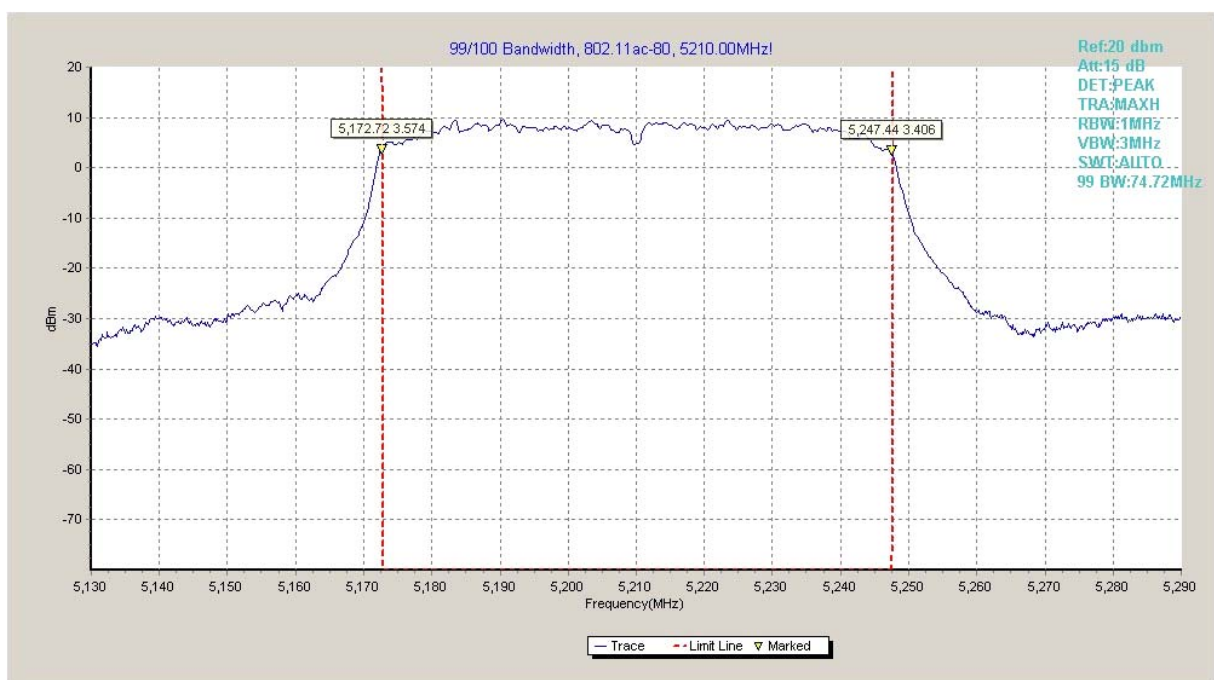
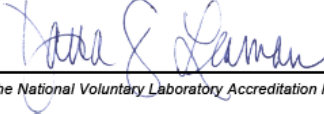


Fig.102 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

A.9. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500 mW).

ANNEX B: Accreditation Certificate

United States Department of Commerce National Institute of Standards and Technology 	
Certificate of Accreditation to ISO/IEC 17025:2005	
NVLAP LAB CODE: 600118-0	
Telecommunication Technology Labs, CAICT Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
Electromagnetic Compatibility & Telecommunications	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).</i>	
2019-09-26 through 2020-09-30 <i>Effective Dates</i>	  <i>For the National Voluntary Laboratory Accreditation Program</i>

*** END OF REPORT BODY ***