802.11ac-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	134(5670MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	142(5710MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11ac-HT80 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac – HT80	42(5210MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	58(5290MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	106(5530MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	138(5690MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

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:

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

AVERAGE Results:

802.11a

Channel 36

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)
17981.8	41.8	-25.5	46.7	20.6	54	12.2	V
17985.7	41.6	-25.5	46.7	20.4	54	12.4	H
17885	41.5	-25.5	46.7	20.3	54	12.5	V
17972	41.5	-25.5	46.7	20.3	54	12.5	V
17979.1	41.5	-25.5	46.7	20.3	54	12.5	V
5149.8	44.5	-27.6	33.7	38.4	54	9.5	H

Channel 40

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)
17990.7	41.9	-25.5	46.7	20.7	54	12.1	V
17985.7	41.8	-25.5	46.7	20.6	54	12.2	H
17997.2	41.8	-25.5	46.7	20.6	54	12.2	V
17994	41.7	-25.5	46.7	20.5	54	12.3	H
17952.7	41.6	-25.5	46.7	20.4	54	12.4	V
17967.5	41.6	-25.5	46.7	20.4	54	12.4	H

Channel 48

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)
17959.8	41.9	-25.5	46.7	20.7	54	12.1	V
17975.2	41.9	-25.5	46.7	20.7	54	12.1	V
17983	41.9	-25.5	46.7	20.7	54	12.1	H
17992.3	41.8	-25.5	46.7	20.6	54	12.2	H
17995.6	41.7	-25.5	46.7	20.5	54	12.3	H
17996.2	41.7	-25.5	46.7	20.5	54	12.3	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)
17981.3	42	-25.5	46.7	20.8	54	12	V
17986.8	41.8	-25.5	46.7	20.6	54	12.2	V
17991.2	41.8	-25.5	46.7	20.6	54	12.2	H
17991.8	41.8	-25.5	46.7	20.6	54	12.2	V
17992.8	41.6	-25.5	46.7	20.4	54	12.4	V
17880.7	41.5	-25.5	46.7	20.3	54	12.5	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)
17992.3	41.7	-25.5	46.7	20.5	54	12.3	V
17963.2	41.6	-25.5	46.7	20.4	54	12.4	V
17969.8	41.6	-25.5	46.7	20.4	54	12.4	V
17986.2	41.6	-25.5	46.7	20.4	54	12.4	V
17987.3	41.6	-25.5	46.7	20.4	54	12.4	V
17992.8	41.6	-25.5	46.7	20.4	54	12.4	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)
17980.8	41.9	-25.5	46.7	20.7	54	12.1	H
17982.4	41.7	-25.5	46.7	20.5	54	12.3	H
17990.1	41.7	-25.5	46.7	20.5	54	12.3	V
17996.2	41.7	-25.5	46.7	20.5	54	12.3	V
17998.9	41.7	-25.5	46.7	20.5	54	12.3	V
5350	42.6	-27.4	34	36	54	11.4	H

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)
17989.5	42.3	-25.5	46.7	21.1	54	11.7	V
17997.2	42.1	-25.5	46.7	20.9	54	11.9	V
17990.1	42	-25.5	46.7	20.8	54	12	H
17975.8	41.9	-25.5	46.7	20.7	54	12.1	V
17976.9	41.9	-25.5	46.7	20.7	54	12.1	V
5458.4	40.4	-27.2	34.2	33.4	54	13.6	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)
17986.8	41.9	-25.5	46.7	20.7	54	12.1	V
17994	41.9	-25.5	46.7	20.7	54	12.1	H
17987.9	41.8	-25.5	46.7	20.6	54	12.2	H
17951	41.7	-25.5	46.7	20.5	54	12.3	V
17969.8	41.7	-25.5	46.7	20.5	54	12.3	V
17973	41.7	-25.5	46.7	20.5	54	12.3	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)
17987.9	42.1	-25.5	46.7	20.9	54	11.9	H
17979.1	42	-25.5	46.7	20.8	54	12	H
17994.5	42	-25.5	46.7	20.8	54	12	V
17975.8	41.9	-25.5	46.7	20.7	54	12.1	V
17997.8	41.8	-25.5	46.7	20.6	54	12.2	H
5725.5	47.3	-27.1	34.3	40.1	54	6.7	H

Channel 144

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)
17961.3	44.3	-25.5	46.7	24.1	54	9.7	H
17961.0	44.2	-25.5	46.7	23	54	9.8	H
17975.9	44.2	-25.5	46.7	23	54	9.8	H
17972.5	44.1	-25.5	46.7	22.9	54	9.9	H
17970.2	44	-25.5	46.7	22.8	54	10	V
17995.4	44	-25.5	46.7	22.8	54	10	H

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Channel 36

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)
17991.2	41.9	-25.5	46.7	20.7	54	12.1	V
17969.8	41.8	-25.5	46.7	20.6	54	12.2	V
17975.8	41.8	-25.5	46.7	20.6	54	12.2	V
17992.8	41.7	-25.5	46.7	20.5	54	12.3	V
17965.9	41.6	-25.5	46.7	20.4	54	12.4	V
5149.4	41.3	-27.6	33.7	35.2	54	12.7	H

Channel 40

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)
17991.2	41.8	-25.5	46.7	20.6	54	12.2	H
17997.2	41.8	-25.5	46.7	20.6	54	12.2	V
17966.5	41.7	-25.5	46.7	20.5	54	12.3	V
17968.7	41.7	-25.5	46.7	20.5	54	12.3	V
17969.2	41.7	-25.5	46.7	20.5	54	12.3	V
17974.2	41.7	-25.5	46.7	20.5	54	12.3	V

Channel 48

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)
17990.1	41.8	-25.5	46.7	20.6	54	12.2	V
17992.8	41.7	-25.5	46.7	20.5	54	12.3	V
17980.2	41.6	-25.5	46.7	20.4	54	12.4	V
17981.8	41.6	-25.5	46.7	20.4	54	12.4	V
17985.7	41.6	-25.5	46.7	20.4	54	12.4	H
17987.9	41.6	-25.5	46.7	20.4	54	12.4	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)
17997.8	41.6	-25.5	46.7	20.4	54	12.4	V
17998.9	41.6	-25.5	46.7	20.4	54	12.4	V
17975.8	41.5	-25.5	46.7	20.3	54	12.5	V
17980.2	41.5	-25.5	46.7	20.3	54	12.5	H
17985.7	41.5	-25.5	46.7	20.3	54	12.5	V
17959.3	41.4	-25.5	46.7	20.2	54	12.6	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)
17980.2	41.8	-25.5	46.7	20.6	54	12.2	V
17977.5	41.7	-25.5	46.7	20.5	54	12.3	V
17988.5	41.7	-25.5	46.7	20.5	54	12.3	V
17972	41.6	-25.5	46.7	20.4	54	12.4	H
17985.2	41.6	-25.5	46.7	20.4	54	12.4	V
17990.7	41.6	-25.5	46.7	20.4	54	12.4	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)
17997.8	41.8	-25.5	46.7	20.6	54	12.2	V
17974.7	41.7	-25.5	46.7	20.5	54	12.3	V
17985.7	41.6	-25.5	46.7	20.4	54	12.4	H
17992.8	41.6	-25.5	46.7	20.4	54	12.4	H
17955.5	41.5	-25.5	46.7	20.3	54	12.5	H
5350.1	42.6	-27.4	34	36	54	11.4	H

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)
17968.7	42.2	-25.5	46.7	21	54	11.8	V
17978.5	42	-25.5	46.7	20.8	54	12	V
17981.8	42	-25.5	46.7	20.8	54	12	V
17985.7	41.9	-25.5	46.7	20.7	54	12.1	V
17960.4	41.8	-25.5	46.7	20.6	54	12.2	V
5459.1	39.2	-27.2	34.2	32.2	54	14.8	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)
17977.5	42.2	-25.5	46.7	21	54	11.8	V
17980.8	42.1	-25.5	46.7	20.9	54	11.9	V
17990.7	42	-25.5	46.7	20.8	54	12	V
17997.2	42	-25.5	46.7	20.8	54	12	V
17983	41.9	-25.5	46.7	20.7	54	12.1	V
17984	41.9	-25.5	46.7	20.7	54	12.1	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)
17978	42.1	-25.5	46.7	20.9	54	11.9	V
17979.7	42.1	-25.5	46.7	20.9	54	11.9	V
17996.2	42	-25.5	46.7	20.8	54	12	V
17984	41.9	-25.5	46.7	20.7	54	12.1	V
17989	41.9	-25.5	46.7	20.7	54	12.1	V
5725.1	44.5	-27.1	34.3	37.3	54	9.5	H

Channel 144

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)
17963.7	43.9	-25.5	46.7	22.7	54	10.1	H
17966.9	43.9	-25.5	46.7	22.7	54	10.1	H
17987.2	43.6	-25.5	46.7	22.4	54	10.4	H
17964.3	43.5	-25.5	46.7	22.3	54	10.5	V
17956.2	43.1	-25.5	46.7	21.9	54	10.9	H
17978.5	43.1	-25.5	46.7	21.9	54	10.9	V

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Channel 38

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)
17973.6	41.9	-25.5	46.7	20.7	54	12.1	V
17995	41.8	-25.5	46.7	20.6	54	12.2	V
17981.8	41.7	-25.5	46.7	20.5	54	12.3	V
17985.2	41.7	-25.5	46.7	20.5	54	12.3	V
17879.5	41.6	-25.5	46.7	20.4	54	12.4	V
5149.6	45.1	-27.6	33.7	39	54	8.9	H

Channel 46

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)
17972	42	-25.5	46.7	20.8	54	12	V
17979.1	42	-25.5	46.7	20.8	54	12	V
17987.3	42	-25.5	46.7	20.8	54	12	H
17978	41.9	-25.5	46.7	20.7	54	12.1	V
17987.9	41.9	-25.5	46.7	20.7	54	12.1	V
17995	41.8	-25.5	46.7	20.6	54	12.2	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)
17980.2	41.8	-25.5	46.7	20.6	54	12.2	V
17997.8	41.7	-25.5	46.7	20.5	54	12.3	V
17984.6	41.6	-25.5	46.7	20.4	54	12.4	V
17966.5	41.5	-25.5	46.7	20.3	54	12.5	H
17977.5	41.5	-25.5	46.7	20.3	54	12.5	V
17978	41.5	-25.5	46.7	20.3	54	12.5	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)
17983.5	41.8	-25.5	46.7	20.6	54	12.2	V
17983	41.7	-25.5	46.7	20.5	54	12.3	V
17988.5	41.6	-25.5	46.7	20.4	54	12.4	H
17997.2	41.6	-25.5	46.7	20.4	54	12.4	V
17958.8	41.5	-25.5	46.7	20.3	54	12.5	H
5350.1	47.5	-27.4	34	40.9	54	6.5	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)
17962.6	42.1	-25.5	46.7	20.9	54	11.9	H
17975.8	42	-25.5	46.7	20.8	54	12	H
17985.2	41.9	-25.5	46.7	20.7	54	12.1	V
17993.4	41.9	-25.5	46.7	20.7	54	12.1	H
17981.8	41.8	-25.5	46.7	20.6	54	12.2	H
5459.7	40.4	-27.2	34.2	33.4	54	13.6	H

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)
17998.9	42.1	-25.5	46.7	20.9	54	11.9	V
17996.2	42	-25.5	46.7	20.8	54	12	V
17978.5	41.9	-25.5	46.7	20.7	54	12.1	V
17985.2	41.9	-25.5	46.7	20.7	54	12.1	H
17992.3	41.9	-25.5	46.7	20.7	54	12.1	V
17971.4	41.8	-25.5	46.7	20.6	54	12.2	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)
17981.8	41.9	-25.5	46.7	20.7	54	12.1	V
17986.8	41.9	-25.5	46.7	20.7	54	12.1	V
17991.2	41.9	-25.5	46.7	20.7	54	12.1	V
17989.5	41.8	-25.5	46.7	20.6	54	12.2	V
17964.8	41.7	-25.5	46.7	20.5	54	12.3	H
5726.2	43.2	-27.1	34.3	36	54	10.8	H

Channel 142

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)
17989.9	43.3	-25.5	46.7	22.1	54	10.7	H
17978.1	43.2	-25.5	46.7	22.0	54	10.8	V
17973.4	43.2	-25.5	46.7	22.0	54	10.8	H
17950.4	43.1	-25.5	46.7	21.9	54	10.9	H
17973.5	43	-25.5	46.7	21.8	54	11	H
17980.2	43	-25.5	46.7	21.8	54	11	V

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Channel 36

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)
17969.8	42	-25.5	46.7	20.8	54	12	V
17991.8	41.8	-25.5	46.7	20.6	54	12.2	V
17998.9	41.8	-25.5	46.7	20.6	54	12.2	V
17967	41.7	-25.5	46.7	20.5	54	12.3	V
17979.1	41.7	-25.5	46.7	20.5	54	12.3	H
5149.8	41.7	-27.6	33.7	35.6	54	12.3	H

Channel 40

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)
17986.8	41.8	-25.5	46.7	20.6	54	12.2	H
17987.9	41.6	-25.5	46.7	20.4	54	12.4	V
17965.9	41.5	-25.5	46.7	20.3	54	12.5	V
17970.8	41.5	-25.5	46.7	20.3	54	12.5	V
17972.5	41.5	-25.5	46.7	20.3	54	12.5	H
17976.9	41.5	-25.5	46.7	20.3	54	12.5	V

Channel 48

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)
17983.5	41.7	-25.5	46.7	20.5	54	12.3	V
17993.4	41.7	-25.5	46.7	20.5	54	12.3	H
17958.8	41.6	-25.5	46.7	20.4	54	12.4	V
17973.6	41.6	-25.5	46.7	20.4	54	12.4	V
17977.5	41.6	-25.5	46.7	20.4	54	12.4	V
17979.7	41.6	-25.5	46.7	20.4	54	12.4	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)
17974.2	42	-25.5	46.7	20.8	54	12	V
17990.1	41.7	-25.5	46.7	20.5	54	12.3	V
17992.3	41.7	-25.5	46.7	20.5	54	12.3	H
17979.1	41.6	-25.5	46.7	20.4	54	12.4	V
17979.7	41.6	-25.5	46.7	20.4	54	12.4	V
17982.4	41.6	-25.5	46.7	20.4	54	12.4	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)
17979.7	41.8	-25.5	46.7	20.6	54	12.2	V
17972.5	41.7	-25.5	46.7	20.5	54	12.3	H
17990.1	41.7	-25.5	46.7	20.5	54	12.3	V
17997.8	41.7	-25.5	46.7	20.5	54	12.3	H
17962.6	41.6	-25.5	46.7	20.4	54	12.4	H
17975.8	41.6	-25.5	46.7	20.4	54	12.4	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)
17985.2	41.9	-25.5	46.7	20.7	54	12.1	V
17994.5	41.8	-25.5	46.7	20.6	54	12.2	V
17995	41.8	-25.5	46.7	20.6	54	12.2	V
17969.8	41.7	-25.5	46.7	20.5	54	12.3	V
17970.3	41.7	-25.5	46.7	20.5	54	12.3	H
5350	42.5	-27.4	34	35.9	54	11.5	H

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)
17998.3	42.2	-25.5	46.7	21	54	11.8	V
17982.4	42	-25.5	46.7	20.8	54	12	H
17991.2	42	-25.5	46.7	20.8	54	12	V
17969.8	41.9	-25.5	46.7	20.7	54	12.1	H
17972.5	41.9	-25.5	46.7	20.7	54	12.1	V
5459.7	38.9	-27.2	34.2	31.9	54	15.1	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)
17947.8	42	-25.5	46.7	20.8	54	12	V
17981.3	42	-25.5	46.7	20.8	54	12	V
17994	41.9	-25.5	46.7	20.7	54	12.1	V
17964.8	41.8	-25.5	46.7	20.6	54	12.2	V
17968.1	41.8	-25.5	46.7	20.6	54	12.2	V
17973.6	41.8	-25.5	46.7	20.6	54	12.2	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)
17968.7	42	-25.5	46.7	20.8	54	12	V
17986.2	42	-25.5	46.7	20.8	54	12	V
17971.4	41.9	-25.5	46.7	20.7	54	12.1	V
17976.3	41.8	-25.5	46.7	20.6	54	12.2	V
17978	41.8	-25.5	46.7	20.6	54	12.2	V
5725.5	44.4	-27.1	34.3	37.2	54	9.6	H

Channel 144

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)
17987.7	43.2	-25.5	46.7	22	54	10.8	V
17945.6	43.1	-25.5	46.7	21.9	54	10.9	H
17978.4	43	-25.5	46.7	21.8	54	11	H
17981.2	43	-25.5	46.7	21.8	54	11	V
17986.3	43	-25.5	46.7	21.8	54	11	H
17996.4	43	-25.5	46.7	21.8	54	11	H

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Channel 38

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)
17998.9	41.9	-25.5	46.7	20.7	54	12.1	H
17975.8	41.7	-25.5	46.7	20.5	54	12.3	V
17977.5	41.7	-25.5	46.7	20.5	54	12.3	H
17992.3	41.7	-25.5	46.7	20.5	54	12.3	V
17963.2	41.6	-25.5	46.7	20.4	54	12.4	V
5149.7	45	-27.6	33.7	38.9	54	9	H

Channel 46

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)
17987.9	42.2	-25.5	46.7	21	54	11.8	V
17991.2	42.1	-25.5	46.7	20.9	54	11.9	V
17979.1	42	-25.5	46.7	20.8	54	12	V
17984	41.9	-25.5	46.7	20.7	54	12.1	V
17990.1	41.9	-25.5	46.7	20.7	54	12.1	V
17991.8	41.9	-25.5	46.7	20.7	54	12.1	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)
17991.2	41.9	-25.5	46.7	20.7	54	12.1	V
17980.8	41.8	-25.5	46.7	20.6	54	12.2	V
17981.8	41.8	-25.5	46.7	20.6	54	12.2	V
17987.3	41.8	-25.5	46.7	20.6	54	12.2	H
17980.2	41.7	-25.5	46.7	20.5	54	12.3	H
17986.8	41.7	-25.5	46.7	20.5	54	12.3	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)
17991.8	42	-25.5	46.7	20.8	54	12	V
17979.1	41.7	-25.5	46.7	20.5	54	12.3	V
17992.3	41.7	-25.5	46.7	20.5	54	12.3	V
17963.2	41.6	-25.5	46.7	20.4	54	12.4	H
17966.5	41.6	-25.5	46.7	20.4	54	12.4	H
5350.8	48.1	-27.4	34	41.5	54	5.9	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)
17982.4	42.1	-25.5	46.7	20.9	54	11.9	H
17975.8	42	-25.5	46.7	20.8	54	12	V
17994.5	42	-25.5	46.7	20.8	54	12	H
17973	41.9	-25.5	46.7	20.7	54	12.1	H
17981.3	41.9	-25.5	46.7	20.7	54	12.1	V
5456	39.3	-27.2	34.2	32.3	54	14.7	H

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)
17991.2	42.4	-25.5	46.7	21.2	54	11.6	H
17975.8	41.9	-25.5	46.7	20.7	54	12.1	H
17976.9	41.8	-25.5	46.7	20.6	54	12.2	V
17978	41.8	-25.5	46.7	20.6	54	12.2	V
17989	41.8	-25.5	46.7	20.6	54	12.2	H
17998.3	41.8	-25.5	46.7	20.6	54	12.2	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)
17981.8	42	-25.5	46.7	20.8	54	12	V
17979.1	41.9	-25.5	46.7	20.7	54	12.1	V
17983.5	41.9	-25.5	46.7	20.7	54	12.1	V
17963.7	41.8	-25.5	46.7	20.6	54	12.2	V
17972	41.8	-25.5	46.7	20.6	54	12.2	V
5725.1	42.6	-27.1	34.3	35.4	54	11.4	H

Channel 142

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)
17997.9	43.2	-25.5	46.7	22	54	10.8	H
17978.1	43.1	-25.5	46.7	21.9	54	10.9	V
17982.5	43.1	-25.5	46.7	21.9	54	10.9	H
17960.5	43	-25.5	46.7	21.8	54	11	H
17981.6	43	-25.5	46.7	21.8	54	11	H
17980.3	43	-25.5	46.7	21.8	54	11	V

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Channel 42

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)
17979.1	42	-25.5	46.7	20.8	54	12	V
17978	41.9	-25.5	46.7	20.7	54	12.1	V
17995.6	41.9	-25.5	46.7	20.7	54	12.1	V
17997.2	41.9	-25.5	46.7	20.7	54	12.1	H
17964.2	41.8	-25.5	46.7	20.6	54	12.2	H
5149.4	46.3	-27.6	33.7	40.2	54	7.7	H

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)
17980.2	41.8	-25.5	46.7	20.6	54	12.2	V
17982.4	41.8	-25.5	46.7	20.6	54	12.2	V
17987.9	41.8	-25.5	46.7	20.6	54	12.2	H
17971.4	41.7	-25.5	46.7	20.5	54	12.3	V
17977.5	41.7	-25.5	46.7	20.5	54	12.3	V
5350.9	49	-27.4	34	42.4	54	5	H

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)
17979.1	41.9	-25.5	46.7	20.7	54	12.1	H
17993.4	41.9	-25.5	46.7	20.7	54	12.1	V
17956.5	41.8	-25.5	46.7	20.6	54	12.2	V
17963.7	41.8	-25.5	46.7	20.6	54	12.2	H
17969.2	41.8	-25.5	46.7	20.6	54	12.2	V
5458.1	41.4	-27.2	34.2	34.4	54	12.6	H

Channel 138

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)
17987.8	43.4	-25.5	46.7	22.2	54	10.6	H
17968.1	42.9	-25.5	46.7	21.7	54	11.1	V
17982.4	43.1	-25.5	46.7	21.9	54	10.9	H
17959.5	43	-25.5	46.7	21.8	54	11	H
17982.4	43	-25.5	46.7	21.8	54	11	H
17981.2	43	-25.5	46.7	21.8	54	11	V

PEAK Results:

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Channel 36

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)
17992.8	53.5	-25.5	46.7	32.3	74	20.5	H
17985.2	53	-25.5	46.7	31.8	74	21	H
17982.4	52.9	-25.5	46.7	31.7	74	21.1	H
17505	52.8	-26.9	45.2	34.4	74	21.2	H
17963.2	52.8	-25.5	46.7	31.6	74	21.2	H
5148.3	61	-27.6	33.7	54.9	74	13	H

Channel 40

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)
17995	53.3	-25.5	46.7	32.1	74	20.7	V
17977.5	52.9	-25.5	46.7	31.7	74	21.1	H
17902.7	52.8	-25.5	46.7	31.6	74	21.2	V
17969.2	52.8	-25.5	46.7	31.6	74	21.2	V
17951	52.5	-25.5	46.7	31.3	74	21.5	V
17994	52.5	-25.5	46.7	31.3	74	21.5	H

Channel 48

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)
17975.2	53.7	-25.5	46.7	32.5	74	20.3	V
17898.2	53.4	-25.5	46.7	32.2	74	20.6	V
17885	53.3	-25.5	46.7	32.1	74	20.7	V
17903.8	53.2	-25.5	46.7	32	74	20.8	V
17824.5	52.7	-25.5	46.7	31.5	74	21.3	H
17947.8	52.5	-25.5	46.7	31.3	74	21.5	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)
17906	53.9	-25.5	46.7	32.7	74	20.1	V
17980.8	53.1	-25.5	46.7	31.9	74	20.9	H
17897.2	52.7	-25.5	46.7	31.5	74	21.3	V
17997.2	52.7	-25.5	46.7	31.5	74	21.3	H
17901.5	52.6	-25.5	46.7	31.4	74	21.4	V
17978	52.6	-25.5	46.7	31.4	74	21.4	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)
17939	53	-25.5	46.7	31.8	74	21	V
17980.8	52.7	-25.5	46.7	31.5	74	21.3	V
17984	52.7	-25.5	46.7	31.5	74	21.3	H
17979.7	52.6	-25.5	46.7	31.4	74	21.4	H
17993.4	52.6	-25.5	46.7	31.4	74	21.4	H
17954.3	52.5	-25.5	46.7	31.3	74	21.5	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)
17988.5	53.6	-25.5	46.7	32.4	74	20.4	V
17952.2	53.2	-25.5	46.7	32	74	20.8	H
17986.2	53.1	-25.5	46.7	31.9	74	20.9	V
17979.7	53	-25.5	46.7	31.8	74	21	H
17951.6	52.8	-25.5	46.7	31.6	74	21.2	V
5352.2	59.9	-27.4	34	53.3	74	14.1	H

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)
17609	53.6	-25.7	46	33.4	74	20.4	H
17958.2	53.6	-25.5	46.7	32.4	74	20.4	H
17982.4	53.6	-25.5	46.7	32.4	74	20.4	V
17514.3	52.9	-26.9	45.2	34.5	74	21.1	V
17931.2	52.9	-25.5	46.7	31.7	74	21.1	H
5459.6	56.7	-27.2	34.2	49.7	74	17.3	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)
17501.7	53.4	-26.9	45.2	35	74	20.6	V
17970.8	52.9	-25.5	46.7	31.7	74	21.1	H
17980.2	52.9	-25.5	46.7	31.7	74	21.1	V
17897.7	52.8	-25.5	46.7	31.6	74	21.2	H
17942.2	52.8	-25.5	46.7	31.6	74	21.2	V
17985.2	52.8	-25.5	46.7	31.6	74	21.2	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)
17965.9	53.7	-25.5	46.7	32.5	74	20.3	H
17883.4	53.1	-25.5	46.7	31.9	74	20.9	H
17974.2	53.1	-25.5	46.7	31.9	74	20.9	H
17944.5	53	-25.5	46.7	31.8	74	21	V
17994.5	53	-25.5	46.7	31.8	74	21	V
5728.1	66.6	-27.1	34.3	59.4	74	7.4	H

Channel 144

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)
17943.9	55.8	-25.5	46.7	34.6	74	18.2	V
17884.5	55.4	-25.5	46.7	34.2	74	18.6	V
17949.4	55.3	-25.5	46.7	34.1	74	18.7	V
17983.5	55.3	-25.5	46.7	34.1	74	18.7	H
17994.5	55.3	-25.5	46.7	34.1	74	18.7	V
17877.9	55.2	-25.5	46.7	34	74	18.8	H

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Channel 36

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)
17964.8	53.5	-25.5	46.7	32.3	74	20.5	H
17455.5	53.2	-26.9	45.2	34.8	74	20.8	V
17996.7	53	-25.5	46.7	31.8	74	21	V
17679.3	52.9	-25.7	46	32.7	74	21.1	V
17959.3	52.8	-25.5	46.7	31.6	74	21.2	H
5145.4	60.5	-27.6	33.7	54.4	74	13.5	H

Channel 40

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)
17958.2	53.5	-25.5	46.7	32.3	74	20.5	H
17983	53.2	-25.5	46.7	32	74	20.8	H
17961	53.1	-25.5	46.7	31.9	74	20.9	V
17881.8	53	-25.5	46.7	31.8	74	21	V
17901	53	-25.5	46.7	31.8	74	21	V
17953.8	52.9	-25.5	46.7	31.7	74	21.1	H

Channel 48

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)
17986.2	53.5	-25.5	46.7	32.3	74	20.5	V
17909.2	53.3	-25.5	46.7	32.1	74	20.7	V
17901.5	53	-25.5	46.7	31.8	74	21	V
17950.5	52.7	-25.5	46.7	31.5	74	21.3	H
17868.5	52.5	-25.5	46.7	31.3	74	21.5	H
17970.8	52.5	-25.5	46.7	31.3	74	21.5	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)
17978.5	53.2	-25.5	46.7	32	74	20.8	V
17968.1	53	-25.5	46.7	31.8	74	21	V
17995	53	-25.5	46.7	31.8	74	21	H
17997.8	53	-25.5	46.7	31.8	74	21	V
17983	52.6	-25.5	46.7	31.4	74	21.4	H
17792.7	52.5	-25.5	46.7	31.3	74	21.5	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)
17409.8	53.4	-26.9	45.2	35	74	20.6	H
17984.6	53.1	-25.5	46.7	31.9	74	20.9	V
17998.3	53.1	-25.5	46.7	31.9	74	20.9	H
17907	52.6	-25.5	46.7	31.4	74	21.4	H
17976.9	52.6	-25.5	46.7	31.4	74	21.4	H
17981.3	52.6	-25.5	46.7	31.4	74	21.4	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)
17773.4	53.1	-25.5	46.7	31.9	74	20.9	H
17993.4	52.9	-25.5	46.7	31.7	74	21.1	V
17787.7	52.8	-25.5	46.7	31.6	74	21.2	H
17974.2	52.5	-25.5	46.7	31.3	74	21.5	H
17974.7	52.5	-25.5	46.7	31.3	74	21.5	V
5350.7	64	-27.4	34	57.4	74	10	H

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)
17961.5	53.4	-25.5	46.7	32.2	74	20.6	V
17986.8	53.1	-25.5	46.7	31.9	74	20.9	V
17978.5	52.9	-25.5	46.7	31.7	74	21.1	V
17966.5	52.7	-25.5	46.7	31.5	74	21.3	H
17975.2	52.7	-25.5	46.7	31.5	74	21.3	V
5458.2	55.5	-27.2	34.2	48.5	74	18.5	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)
17988.5	53.7	-25.5	46.7	32.5	74	20.3	H
17885	53.3	-25.5	46.7	32.1	74	20.7	H
17979.1	53.3	-25.5	46.7	32.1	74	20.7	H
17990.1	53.1	-25.5	46.7	31.9	74	20.9	V
17990.7	53.1	-25.5	46.7	31.9	74	20.9	V
17980.2	52.9	-25.5	46.7	31.7	74	21.1	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)
17971.4	53.8	-25.5	46.7	32.6	74	20.2	V
17991.2	53.5	-25.5	46.7	32.3	74	20.5	H
17500	52.9	-26.9	45.2	34.5	74	21.1	V
17698	52.8	-25.7	46	32.6	74	21.2	H
17969.8	52.8	-25.5	46.7	31.6	74	21.2	V
5726.7	65.9	-27.1	34.3	58.7	74	8.1	H

Channel 144

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)
17994.5	56.2	-25.5	46.7	35	74	17.8	H
17956	54.8	-25.5	46.7	34.6	74	18.2	H
17973.6	54.8	-25.5	46.7	34.6	74	18.2	V
17872.4	54.7	-25.5	46.7	34.5	74	18.3	H
17996.7	54.7	-25.5	46.7	34.5	74	18.3	V
17952.7	54.6	-25.5	46.7	34.4	74	18.4	H

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Channel 38

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)
17899.3	52.9	-25.5	46.7	31.7	74	21.1	V
17965.9	52.6	-25.5	46.7	31.4	74	21.4	V
17972	52.5	-25.5	46.7	31.3	74	21.5	V
17984.6	52.5	-25.5	46.7	31.3	74	21.5	H
17995.6	52.5	-25.5	46.7	31.3	74	21.5	H
5149.9	67.1	-27.6	33.7	61	74	6.9	H

Channel 46

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)
17991.2	53.6	-25.5	46.7	32.4	74	20.4	H
17984.6	53.4	-25.5	46.7	32.2	74	20.6	V
17998.3	53.3	-25.5	46.7	32.1	74	20.7	H
17973	53.2	-25.5	46.7	32	74	20.8	H
17559.5	53	-26.9	45.2	34.6	74	21	V
17964.8	52.9	-25.5	46.7	31.7	74	21.1	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)
17997.2	53.6	-25.5	46.7	32.4	74	20.4	V
17980.2	53.2	-25.5	46.7	32	74	20.8	V
17971.4	52.9	-25.5	46.7	31.7	74	21.1	H
17875.7	52.7	-25.5	46.7	31.5	74	21.3	H
17893.3	52.7	-25.5	46.7	31.5	74	21.3	H
17912	52.7	-25.5	46.7	31.5	74	21.3	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)
17879.5	53.1	-25.5	46.7	31.9	74	20.9	V
17987.9	53.1	-25.5	46.7	31.9	74	20.9	V
17994.5	52.9	-25.5	46.7	31.7	74	21.1	H
17964.8	52.8	-25.5	46.7	31.6	74	21.2	H
17973	52.5	-25.5	46.7	31.3	74	21.5	H
5350.5	66.8	-27.4	34	60.2	74	7.2	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)
17974.7	53.2	-25.5	46.7	32	74	20.8	H
17862.5	53.1	-25.5	46.7	31.9	74	20.9	V
17913.7	53.1	-25.5	46.7	31.9	74	20.9	V
17939	53	-25.5	46.7	31.8	74	21	V
17968.1	53	-25.5	46.7	31.8	74	21	V
5459.5	58.9	-27.2	34.2	51.9	74	15.1	H

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)
17985.2	54.7	-25.5	46.7	33.5	74	19.3	H
17879	53.5	-25.5	46.7	32.3	74	20.5	V
17983.5	53.4	-25.5	46.7	32.2	74	20.6	V
17976.3	53.2	-25.5	46.7	32	74	20.8	H
17989.5	53	-25.5	46.7	31.8	74	21	H
17895	52.8	-25.5	46.7	31.6	74	21.2	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)
17994.5	53.3	-25.5	46.7	32.1	74	20.7	V
17963.7	53.2	-25.5	46.7	32	74	20.8	V
17977.5	53.2	-25.5	46.7	32	74	20.8	V
17970.3	52.8	-25.5	46.7	31.6	74	21.2	V
17979.7	52.8	-25.5	46.7	31.6	74	21.2	H
5725.5	62.1	-27.1	34.3	54.9	74	11.9	H

Channel 142

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)
17950.5	55.9	-25.5	46.7	34.7	74	18.1	H
17976.9	55.8	-25.5	46.7	34.6	74	18.2	V
17958.2	55.7	-25.5	46.7	34.5	74	18.3	H
17981.3	55.5	-25.5	46.7	34.3	74	18.5	V
17993.4	55.5	-25.5	46.7	34.3	74	18.5	H
17860.3	55.3	-25.5	46.7	34.1	74	18.7	H

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Channel 36

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)
17984.6	53.1	-25.5	46.7	31.9	74	20.9	H
17898.8	52.9	-25.5	46.7	31.7	74	21.1	V
17982.4	52.7	-25.5	46.7	31.5	74	21.3	H
17872.4	52.4	-25.5	46.7	31.2	74	21.6	H
17924.7	52.3	-25.5	46.7	31.1	74	21.7	V
5149.8	62.3	-27.6	33.7	56.2	74	11.7	H

Channel 40

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)
17404.9	52.9	-26.9	45.2	34.5	74	21.1	H
17946.1	52.9	-25.5	46.7	31.7	74	21.1	V
17955.5	52.7	-25.5	46.7	31.5	74	21.3	V
17969.2	52.6	-25.5	46.7	31.4	74	21.4	H
17887.8	52.4	-25.5	46.7	31.2	74	21.6	H
17897.2	52.4	-25.5	46.7	31.2	74	21.6	V

Channel 48

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)
17781.7	52.6	-25.5	46.7	31.4	74	21.4	V
17989.5	52.6	-25.5	46.7	31.4	74	21.4	H
17932.9	52.5	-25.5	46.7	31.3	74	21.5	H
17973.6	52.5	-25.5	46.7	31.3	74	21.5	V
17983.5	52.5	-25.5	46.7	31.3	74	21.5	V
17939	52.4	-25.5	46.7	31.2	74	21.6	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)
17953.2	53.7	-25.5	46.7	32.5	74	20.3	H
17980.8	53.7	-25.5	46.7	32.5	74	20.3	H
17966.5	53.3	-25.5	46.7	32.1	74	20.7	H
17971.4	52.8	-25.5	46.7	31.6	74	21.2	V
17978.5	52.8	-25.5	46.7	31.6	74	21.2	H
17935.1	52.6	-25.5	46.7	31.4	74	21.4	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)
17908.7	54.1	-25.5	46.7	32.9	74	19.9	V
17984.6	53.5	-25.5	46.7	32.3	74	20.5	H
17987.9	53.5	-25.5	46.7	32.3	74	20.5	V
17995.6	53.4	-25.5	46.7	32.2	74	20.6	H
17939.5	53.1	-25.5	46.7	31.9	74	20.9	H
17785	52.7	-25.5	46.7	31.5	74	21.3	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)
17866.9	53	-25.5	46.7	31.8	74	21	H
17984.6	53	-25.5	46.7	31.8	74	21	V
17972.5	52.7	-25.5	46.7	31.5	74	21.3	H
17951.6	52.6	-25.5	46.7	31.4	74	21.4	H
17983	52.6	-25.5	46.7	31.4	74	21.4	H
5354.1	62.7	-27.4	34	56.1	74	11.3	H

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)
17737.1	53.6	-25.5	46.7	32.4	74	20.4	V
17855.9	53	-25.5	46.7	31.8	74	21	V
17587.5	52.8	-25.7	46	32.6	74	21.2	H
17992.8	52.8	-25.5	46.7	31.6	74	21.2	H
17998.9	52.8	-25.5	46.7	31.6	74	21.2	H
5457.4	53.5	-27.2	34.2	46.5	74	20.5	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)
17991.8	54.3	-25.5	46.7	33.1	74	19.7	V
17987.3	54.2	-25.5	46.7	33	74	19.8	H
17888.3	53.8	-25.5	46.7	32.6	74	20.2	V
17873.5	53.1	-25.5	46.7	31.9	74	20.9	V
17995.6	53.1	-25.5	46.7	31.9	74	20.9	V
17885.6	53	-25.5	46.7	31.8	74	21	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)
17975.2	53.5	-25.5	46.7	32.3	74	20.5	H
17945	53.3	-25.5	46.7	32.1	74	20.7	H
17878.5	53	-25.5	46.7	31.8	74	21	V
17949.4	53	-25.5	46.7	31.8	74	21	H
17917	52.9	-25.5	46.7	31.7	74	21.1	V
5726.2	64.8	-27.1	34.3	57.6	74	9.2	H

Channel 144

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)
17881.2	55.9	-25.5	46.7	34.7	74	18.1	H
17981.3	55.7	-25.5	46.7	34.5	74	18.3	V
17951.6	55.5	-25.5	46.7	34.3	74	18.5	H
17985.7	55.5	-25.5	46.7	34.3	74	18.5	H
17840.5	55.4	-25.5	46.7	34.2	74	18.6	V
17926.3	55.4	-25.5	46.7	34.2	74	18.6	V

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Channel 38

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)
17991.2	53.9	-25.5	46.7	32.7	74	20.1	H
17565	53.2	-25.7	46	33	74	20.8	H
17974.2	52.8	-25.5	46.7	31.6	74	21.2	H
17959.8	52.7	-25.5	46.7	31.5	74	21.3	H
17976.9	52.7	-25.5	46.7	31.5	74	21.3	H
5148	66.4	-27.6	33.7	60.3	74	7.6	H

Channel 46

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	53.5	-25.5	46.7	32.3	74	20.5	H
17945	53	-25.5	46.7	31.8	74	21	V
17985.2	53	-25.5	46.7	31.8	74	21	H
17871.8	52.6	-25.5	46.7	31.4	74	21.4	H
17998.9	52.6	-25.5	46.7	31.4	74	21.4	V
17878.5	52.5	-25.5	46.7	31.3	74	21.5	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)
17985.7	53.3	-25.5	46.7	32.1	74	20.7	V
17990.1	53.1	-25.5	46.7	31.9	74	20.9	H
17923.5	53	-25.5	46.7	31.8	74	21	V
17888.9	52.8	-25.5	46.7	31.6	74	21.2	H
17975.8	52.8	-25.5	46.7	31.6	74	21.2	V
17469.2	52.4	-26.9	45.2	34	74	21.6	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)
17979.1	53.6	-25.5	46.7	32.4	74	20.4	V
17996.7	53.4	-25.5	46.7	32.2	74	20.6	H
17997.8	53.2	-25.5	46.7	32	74	20.8	V
17505	52.8	-26.9	45.2	34.4	74	21.2	H
17966.5	52.7	-25.5	46.7	31.5	74	21.3	H
5354.6	66.3	-27.4	34	59.7	74	7.7	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)
17967	53.3	-25.5	46.7	32.1	74	20.7	H
17958.2	53.2	-25.5	46.7	32	74	20.8	V
17959.3	53.1	-25.5	46.7	31.9	74	20.9	H
17992.8	53	-25.5	46.7	31.8	74	21	V
17967.5	52.9	-25.5	46.7	31.7	74	21.1	H
5459.6	56.2	-27.2	34.2	49.2	74	17.8	H

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)
17971.4	53.6	-25.5	46.7	32.4	74	20.4	V
17962.6	53.2	-25.5	46.7	32	74	20.8	H
17998.9	53.2	-25.5	46.7	32	74	20.8	H
17984.6	53	-25.5	46.7	31.8	74	21	H
17382.3	52.9	-25.9	44.4	34.5	74	21.1	V
17875.2	52.9	-25.5	46.7	31.7	74	21.1	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)
17969.2	54.5	-25.5	46.7	33.3	74	19.5	H
17623.2	53.6	-25.7	46	33.4	74	20.4	H
17967.5	53.5	-25.5	46.7	32.3	74	20.5	H
17978.5	53.5	-25.5	46.7	32.3	74	20.5	V
17860.8	53	-25.5	46.7	31.8	74	21	V
5731.4	59.8	-27.1	34.3	52.6	74	14.2	H

Channel 142

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)
17950.5	55.9	-25.5	46.7	34.7	74	18.1	H
17976.9	55.8	-25.5	46.7	34.6	74	18.2	V
17958.2	55.7	-25.5	46.7	34.5	74	18.3	H
17981.3	55.5	-25.5	46.7	34.3	74	18.5	V
17993.4	55.5	-25.5	46.7	34.3	74	18.5	H
17860.3	55.3	-25.5	46.7	34.1	74	18.7	H

802.11ac-HT80

Channel 42

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)
17992.3	53.2	-25.5	46.7	32	74	20.8	V
17815.2	53.1	-25.5	46.7	31.9	74	20.9	V
17972	52.7	-25.5	46.7	31.5	74	21.3	V
17975.8	52.6	-25.5	46.7	31.4	74	21.4	V
17873.5	52.5	-25.5	46.7	31.3	74	21.5	V
5146.8	68.9	-27.6	33.7	62.8	74	5.1	H

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)
17981.3	54.2	-25.5	46.7	33	74	19.8	V
17990.7	53.3	-25.5	46.7	32.1	74	20.7	H
17877.3	52.9	-25.5	46.7	31.7	74	21.1	V
17896.6	52.9	-25.5	46.7	31.7	74	21.1	H
17951.6	52.9	-25.5	46.7	31.7	74	21.1	H
5355.6	67.8	-27.4	34	61.2	74	6.2	H

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)
17923.5	53.5	-25.5	46.7	32.3	74	20.5	H
17992.8	53.4	-25.5	46.7	32.2	74	20.6	V
17860.3	53.3	-25.5	46.7	32.1	74	20.7	H
17984.6	53.3	-25.5	46.7	32.1	74	20.7	V
17598	53	-25.7	46	32.8	74	21	H
5459.7	61.6	-27.2	34.2	54.6	74	12.4	H

Channel 138

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)
17975.2	55.5	-25.5	46.7	34.8	74	18.5	H
17898.2	55.7	-25.5	46.7	34.5	74	18.3	V
17885	55.4	-25.5	46.7	34.5	74	18.6	H
17903.8	55.3	-25.5	46.7	34.1	74	18.7	V
17824.5	55.2	-25.5	46.7	34.0	74	18.8	H
17947.8	55.1	-25.5	46.7	33.9	74	18.9	H

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

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement uncertainty:

Expanded measurement uncertainty for this test item is U =3.10dB, k=2.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.57	Fig.58	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		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.57	Fig.58	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:

Traffic:

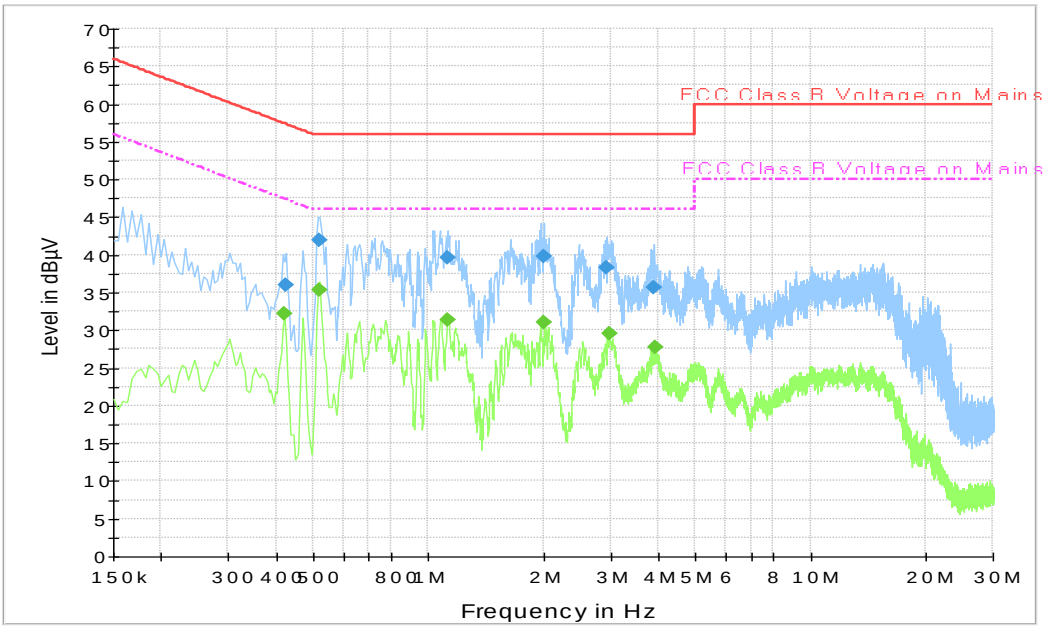


Fig.57 Conducted Emission (802.11a, Ch36, TX)

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.424500	36.0	1000.	9.000	On	L1	19.6	21.4	57.4
0.519000	41.9	1000.	9.000	On	L1	19.6	14.1	56.0
1.122000	39.5	1000.	9.000	On	L1	19.6	16.5	56.0
2.004000	39.8	1000.	9.000	On	L1	19.5	16.2	56.0
2.940000	38.3	1000.	9.000	On	L1	19.6	17.7	56.0
3.880500	35.7	1000.	9.000	On	L1	19.7	20.3	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.420000	32.3	1000.	9.000	On	L1	19.6	15.2	47.4
0.519000	35.3	1000.	9.000	On	L1	19.6	10.7	46.0
1.122000	31.4	1000.	9.000	On	L1	19.6	14.6	46.0
2.013000	31.0	1000.	9.000	On	L1	19.5	15.0	46.0
2.989500	29.5	1000.	9.000	On	L1	19.6	16.5	46.0
3.916500	27.7	1000.	9.000	On	L1	19.7	18.3	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

Idle:

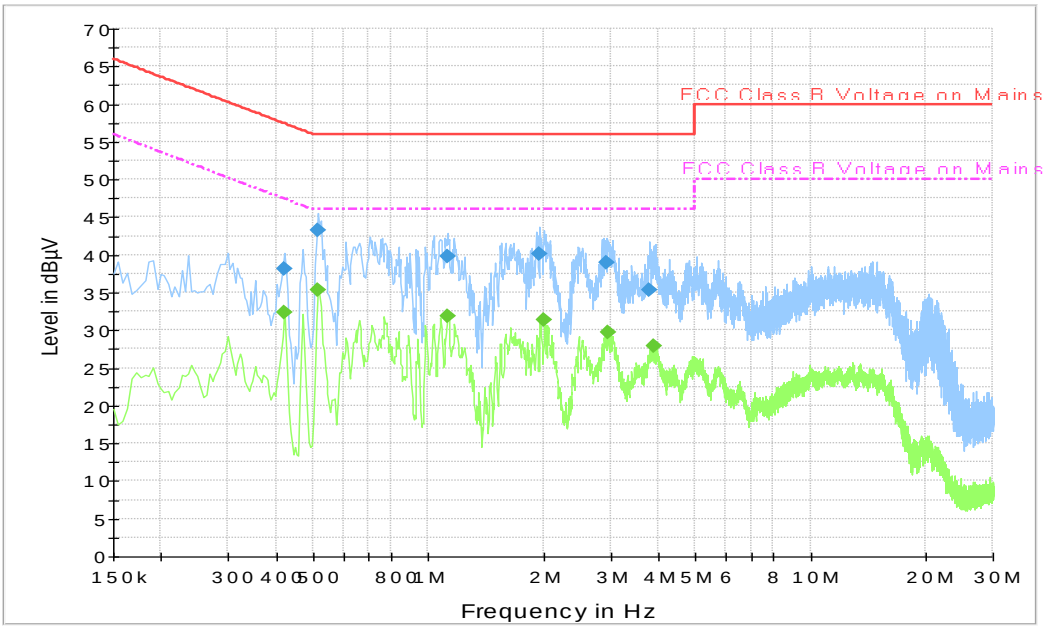


Fig.58 Conducted Emission(802.11a, IDLE)

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.420000	38.2	1000.	9.000	L1	19.6	19.3	57.4
0.514500	43.3	1000.	9.000	L1	19.6	12.7	56.0
1.122000	39.9	1000.	9.000	L1	19.6	16.1	56.0
1.959000	40.2	1000.	9.000	L1	19.5	15.8	56.0
2.940000	39.0	1000.	9.000	L1	19.6	17.0	56.0
3.786000	35.3	1000.	9.000	L1	19.7	20.7	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.420000	32.3	1000.	9.000	L1	19.6	15.1	47.4
0.514500	35.4	1000.	9.000	L1	19.6	10.6	46.0
1.126500	31.9	1000.	9.000	L1	19.6	14.1	46.0
2.008500	31.4	1000.	9.000	L1	19.5	14.6	46.0
2.944500	29.8	1000.	9.000	L1	19.6	16.2	46.0
3.876000	28.0	1000.	9.000	L1	19.7	18.0	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

B.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% ofthe 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

Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.59	17.24	P
	5200 MHz	Fig.60	17.28	P
	5240 MHz	Fig.61	17.32	P
802.11ac HT20	5180 MHz	Fig.62	18.10	P
	5200 MHz	Fig.63	18.10	P
	5240 MHz	Fig.64	18.04	P
802.11ac HT40	5190 MHz	Fig.65	36.19	P
	5230 MHz	Fig.66	36.20	P
802.11ac HT80	5210 MHz	Fig.67	75.68	P

Conclusion: PASS

Test graphs as below:

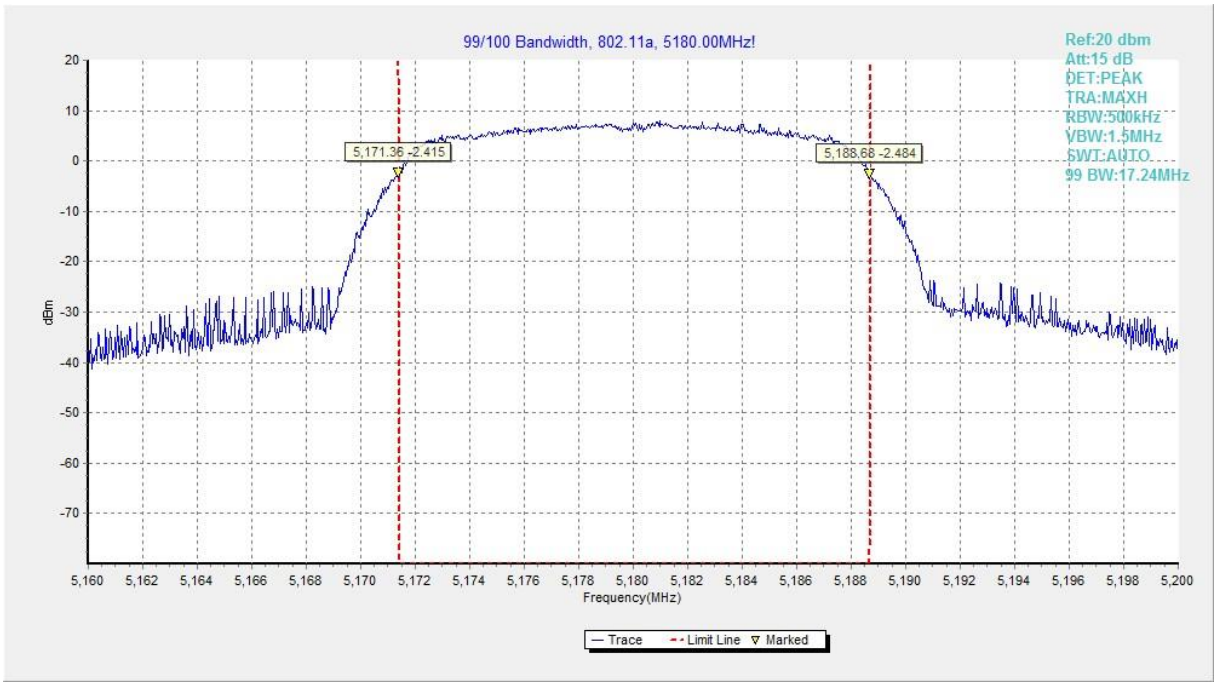


Fig.59 99% Occupied bandwidth (802.11a, 5180MHz)

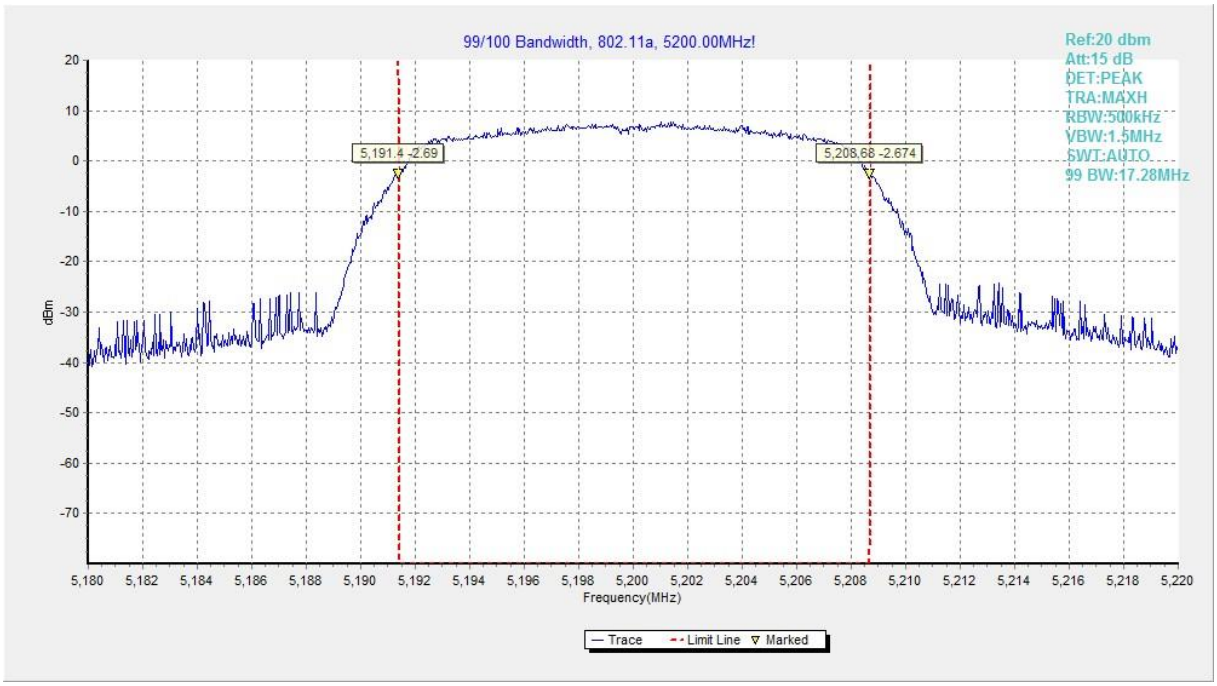


Fig.60 99% Occupied bandwidth (802.11a, 5200MHz)

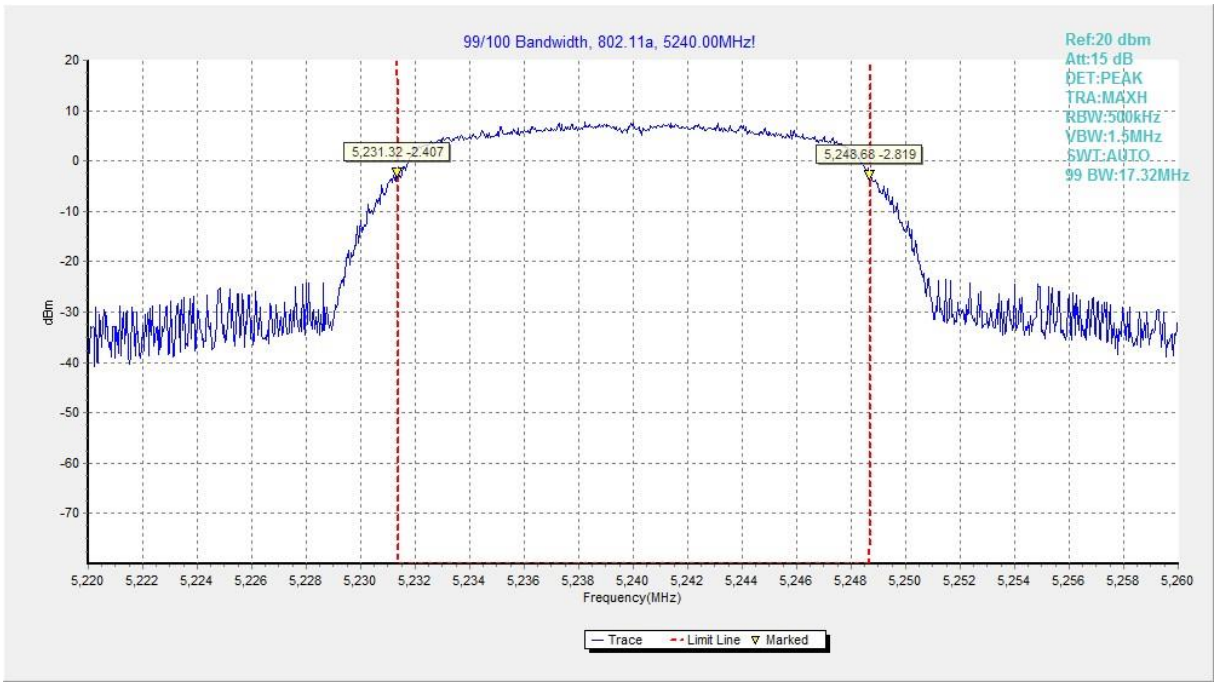


Fig.61 99% Occupied bandwidth (802.11a, 5240MHz)

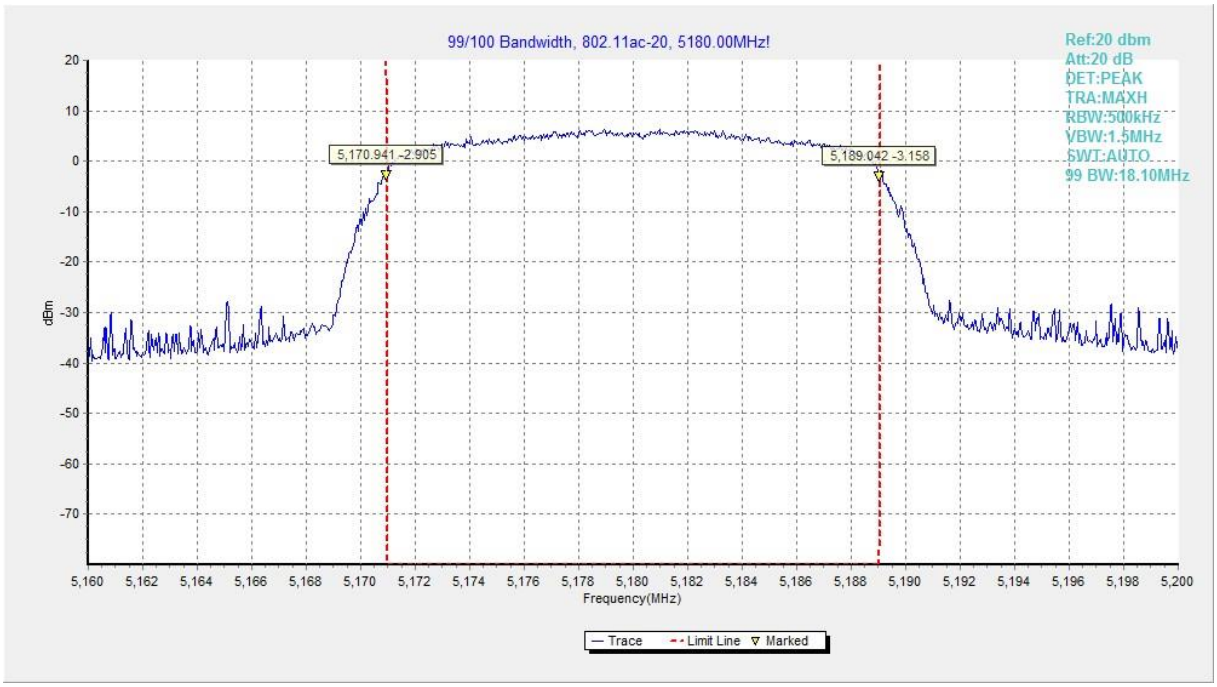


Fig.62 99% Occupied bandwidth (802.11ac-HT20, 5180MHz)

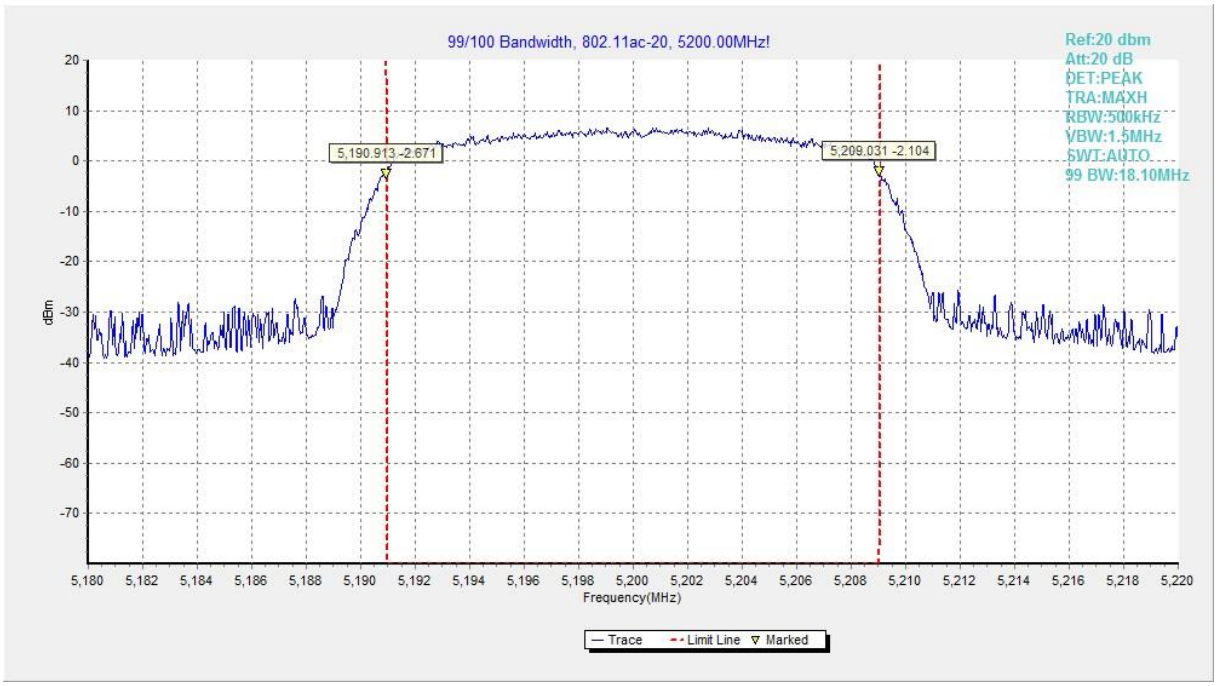


Fig.63 99% Occupied bandwidth (802.11ac-HT20, 5200MHz)

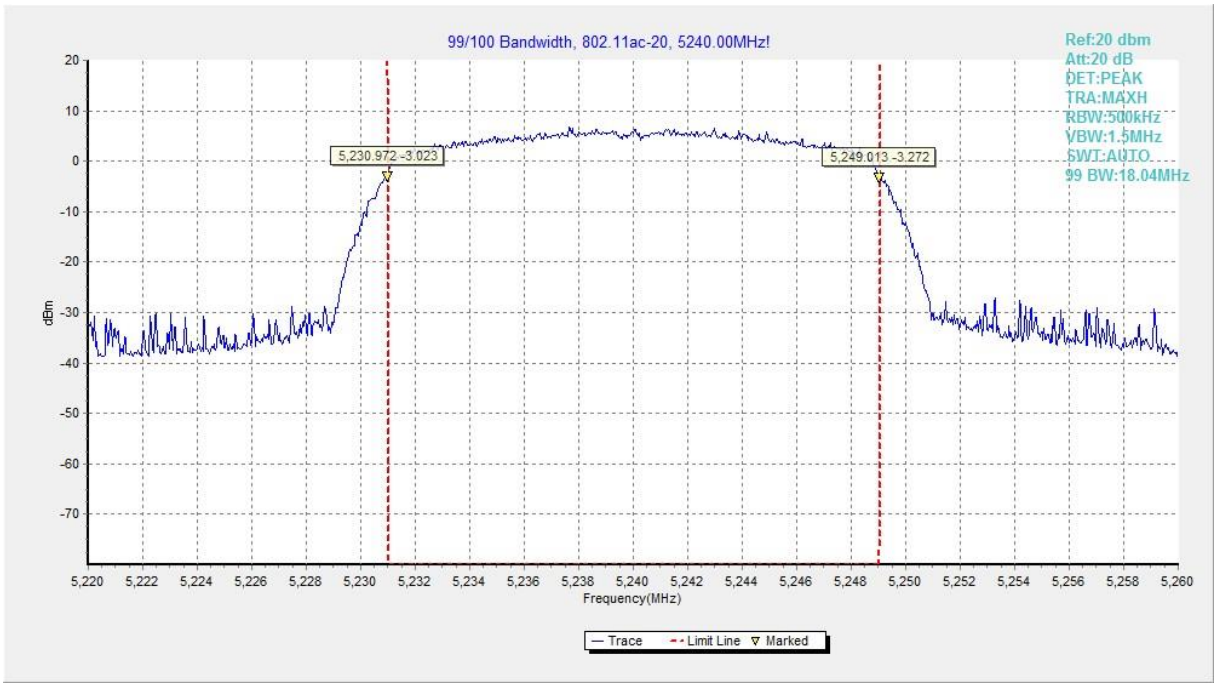


Fig.64 99% Occupied bandwidth (802.11ac-HT20, 5240MHz)

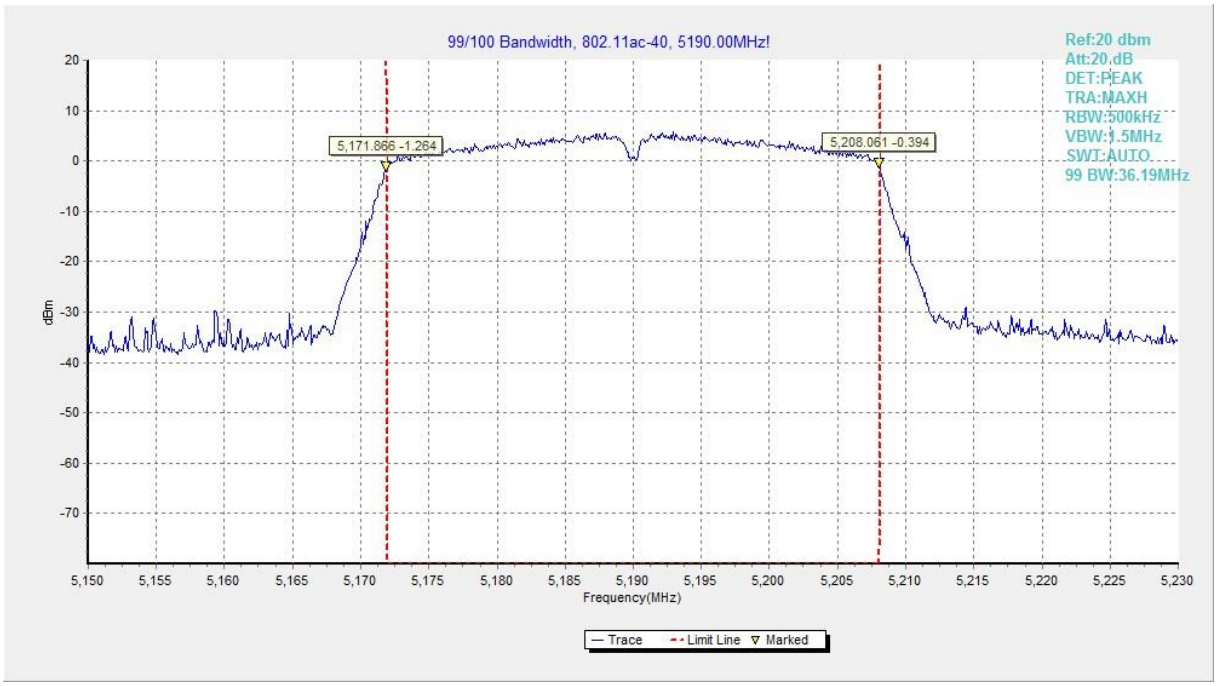


Fig.65 99% Occupied bandwidth (802.11ac-HT40, 5190MHz)

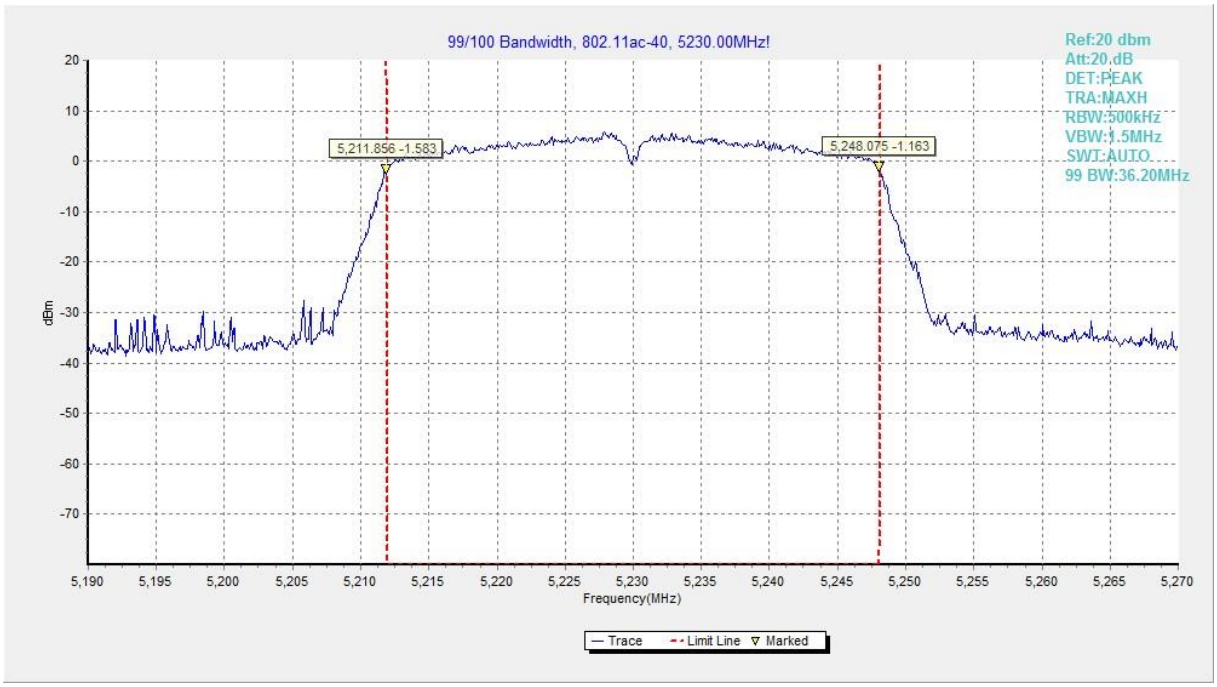


Fig.66 99% Occupied bandwidth (802.11ac-HT40, 5230MHz)

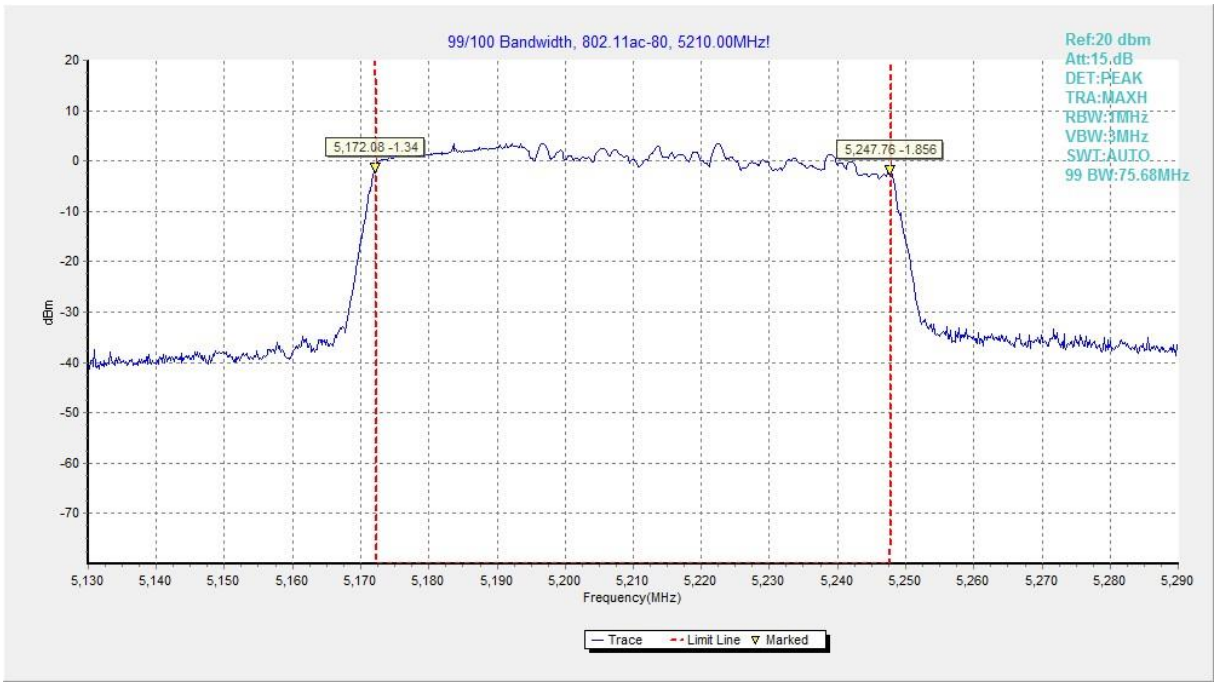
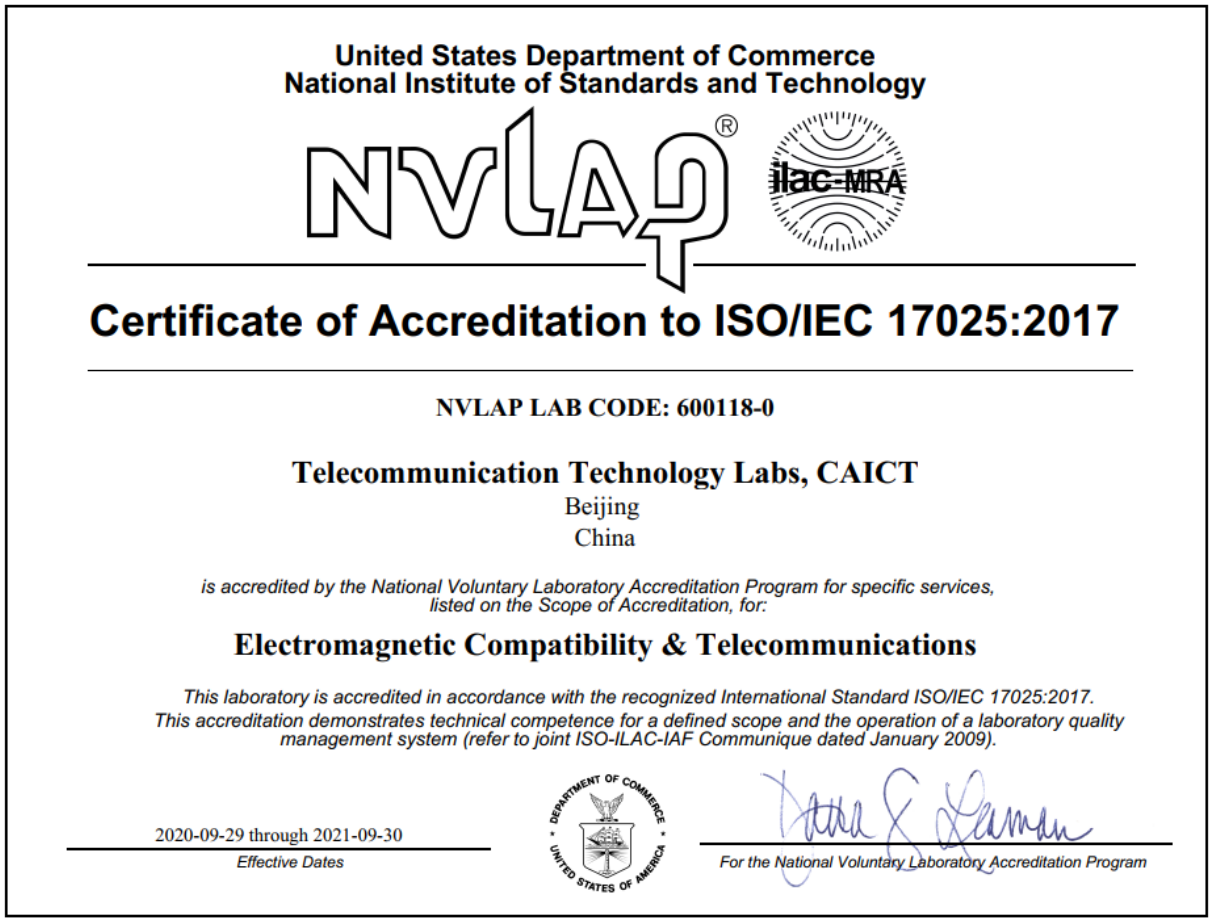


Fig.67 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

B.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 C: Accreditation Certificate



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NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2020-09-29 through 2021-09-30
Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

***** END OF REPORT BODY *****