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)
17989	46.8	-25.5	46.7	25.6	54	7.2	V
17979.1	46.7	-25.5	46.7	25.5	54	7.3	V
17960.4	46.6	-25.5	46.7	25.4	54	7.4	V
17974.7	46.6	-25.5	46.7	25.4	54	7.4	V
17942.2	46.5	-25.5	46.7	25.3	54	7.5	V
17953.2	46.5	-25.5	46.7	25.3	54	7.5	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)
17967.5	46.5	-25.5	46.7	25.3	54	7.5	V
17969.8	46.4	-25.5	46.7	25.2	54	7.6	V
17970.8	46.4	-25.5	46.7	25.2	54	7.6	V
17961.5	46.3	-25.5	46.7	25.1	54	7.7	V
17975.8	46.3	-25.5	46.7	25.1	54	7.7	V
17980.8	46.3	-25.5	46.7	25.1	54	7.7	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)
17987.9	46.5	-25.5	46.7	25.3	54	7.5	V
17996.7	46.5	-25.5	46.7	25.3	54	7.5	V
17964.2	46.4	-25.5	46.7	25.2	54	7.6	V
17980.8	46.4	-25.5	46.7	25.2	54	7.6	V
17969.8	46.3	-25.5	46.7	25.1	54	7.7	V
17972	46.3	-25.5	46.7	25.1	54	7.7	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)
17959.8	46.5	-25.5	46.7	25.3	54	7.5	V
17977.5	46.5	-25.5	46.7	25.3	54	7.5	V
17987.9	46.5	-25.5	46.7	25.3	54	7.5	V
17948.3	46.4	-25.5	46.7	25.2	54	7.6	V
17954.3	46.4	-25.5	46.7	25.2	54	7.6	V
5350.1	41.3	-27.4	34	34.7	54	12.7	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)
17961	46.6	-25.5	46.7	25.4	54	7.4	V
17997.2	46.6	-25.5	46.7	25.4	54	7.4	V
17958.8	46.5	-25.5	46.7	25.3	54	7.5	V
17992.8	46.5	-25.5	46.7	25.3	54	7.5	V
17951.6	46.4	-25.5	46.7	25.2	54	7.6	V
5459	42.1	-27.2	34.2	35.1	54	11.9	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)
17969.8	46.7	-25.5	46.7	25.5	54	7.3	V
17961.5	46.6	-25.5	46.7	25.4	54	7.4	V
17976.3	46.5	-25.5	46.7	25.3	54	7.5	V
17981.8	46.5	-25.5	46.7	25.3	54	7.5	V
17987.9	46.5	-25.5	46.7	25.3	54	7.5	V
17951.6	46.4	-25.5	46.7	25.2	54	7.6	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)
17957.7	46.6	-25.5	46.7	25.4	54	7.4	V
17994	46.6	-25.5	46.7	25.4	54	7.4	V
17950	46.5	-25.5	46.7	25.3	54	7.5	V
17963.2	46.5	-25.5	46.7	25.3	54	7.5	V
17976.9	46.5	-25.5	46.7	25.3	54	7.5	V
5725	42.8	-27.1	34.3	35.6	54	11.2	V

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)
17949.4	46.6	-25.5	46.7	25.4	54	7.4	V
17960.4	46.4	-25.5	46.7	25.2	54	7.6	V
17964.8	46.4	-25.5	46.7	25.2	54	7.6	V
17983	46.3	-25.5	46.7	25.1	54	7.7	V
17993.4	46.3	-25.5	46.7	25.1	54	7.7	V
17948.8	46.2	-25.5	46.7	25	54	7.8	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)
17970.3	47	-25.5	46.7	25.8	54	7	V
17976.3	46.9	-25.5	46.7	25.7	54	7.1	V
17967.5	46.8	-25.5	46.7	25.6	54	7.2	V
17973.6	46.8	-25.5	46.7	25.6	54	7.2	V
17946.1	46.7	-25.5	46.7	25.5	54	7.3	V
5149.8	49.3	-27.6	33.7	43.2	54	4.7	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)
17964.2	46.8	-25.5	46.7	25.6	54	7.2	V
17968.1	46.8	-25.5	46.7	25.6	54	7.2	V
17975.2	46.8	-25.5	46.7	25.6	54	7.2	V
17977.5	46.8	-25.5	46.7	25.6	54	7.2	V
17979.1	46.7	-25.5	46.7	25.5	54	7.3	V
17983	46.7	-25.5	46.7	25.5	54	7.3	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)
17968.7	46.7	-25.5	46.7	25.5	54	7.3	V
17973	46.6	-25.5	46.7	25.4	54	7.4	V
17980.8	46.6	-25.5	46.7	25.4	54	7.4	V
17986.8	46.6	-25.5	46.7	25.4	54	7.4	V
17979.7	46.4	-25.5	46.7	25.2	54	7.6	V
17997.2	46.4	-25.5	46.7	25.2	54	7.6	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)
17956	46.5	-25.5	46.7	25.3	54	7.5	V
17979.1	46.5	-25.5	46.7	25.3	54	7.5	V
17994	46.5	-25.5	46.7	25.3	54	7.5	V
17996.7	46.5	-25.5	46.7	25.3	54	7.5	V
17983	46.4	-25.5	46.7	25.2	54	7.6	V
5350.1	46.5	-27.4	34	39.9	54	7.5	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)
17981.8	46.6	-25.5	46.7	25.4	54	7.4	V
17967.5	46.5	-25.5	46.7	25.3	54	7.5	V
17979.7	46.5	-25.5	46.7	25.3	54	7.5	V
17985.7	46.5	-25.5	46.7	25.3	54	7.5	V
17945.5	46.4	-25.5	46.7	25.2	54	7.6	V
5459.2	43.9	-27.2	34.2	36.9	54	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)
17979.1	46.6	-25.5	46.7	25.4	54	7.4	V
17984	46.5	-25.5	46.7	25.3	54	7.5	V
17993.4	46.5	-25.5	46.7	25.3	54	7.5	V
17957.7	46.4	-25.5	46.7	25.2	54	7.6	V
17964.8	46.4	-25.5	46.7	25.2	54	7.6	V
17970.3	46.4	-25.5	46.7	25.2	54	7.6	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)
17961.5	47	-25.5	46.7	25.8	54	7	V
17968.1	46.5	-25.5	46.7	25.3	54	7.5	V
17986.2	46.5	-25.5	46.7	25.3	54	7.5	V
17957.7	46.4	-25.5	46.7	25.2	54	7.6	V
17963.7	46.4	-25.5	46.7	25.2	54	7.6	V
5726.4	42.3	-27.1	34.3	35.1	54	11.7	V

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)
17952.7	46.5	-25.5	46.7	25.3	54	7.5	V
17991.8	46.5	-25.5	46.7	25.3	54	7.5	V
17983.5	46.4	-25.5	46.7	25.2	54	7.6	V
17942.2	46.3	-25.5	46.7	25.1	54	7.7	V
17958.8	46.3	-25.5	46.7	25.1	54	7.7	V
17968.7	46.3	-25.5	46.7	25.1	54	7.7	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)
17964.2	46.7	-25.5	46.7	25.5	54	7.3	V
17966.5	46.7	-25.5	46.7	25.5	54	7.3	V
17967.5	46.7	-25.5	46.7	25.5	54	7.3	V
17958.8	46.5	-25.5	46.7	25.3	54	7.5	V
17978	46.5	-25.5	46.7	25.3	54	7.5	V
5139.1	39.8	-27.6	33.7	33.7	54	14.2	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)
17981.8	46.8	-25.5	46.7	25.6	54	7.2	V
17983	46.8	-25.5	46.7	25.6	54	7.2	V
17993.4	46.7	-25.5	46.7	25.5	54	7.3	V
17998.3	46.7	-25.5	46.7	25.5	54	7.3	V
17973	46.6	-25.5	46.7	25.4	54	7.4	V
17980.8	46.6	-25.5	46.7	25.4	54	7.4	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)
17954.9	46.6	-25.5	46.7	25.4	54	7.4	V
17976.3	46.6	-25.5	46.7	25.4	54	7.4	V
17976.9	46.5	-25.5	46.7	25.3	54	7.5	V
17981.3	46.5	-25.5	46.7	25.3	54	7.5	V
17987.9	46.5	-25.5	46.7	25.3	54	7.5	V
17991.8	46.5	-25.5	46.7	25.3	54	7.5	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)
17952.7	46.4	-25.5	46.7	25.2	54	7.6	V
17969.8	46.4	-25.5	46.7	25.2	54	7.6	V
17982.4	46.4	-25.5	46.7	25.2	54	7.6	V
17985.2	46.4	-25.5	46.7	25.2	54	7.6	V
17965.9	46.3	-25.5	46.7	25.1	54	7.7	V
17968.7	46.3	-25.5	46.7	25.1	54	7.7	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)
17966.5	46.6	-25.5	46.7	25.4	54	7.4	V
17991.2	46.6	-25.5	46.7	25.4	54	7.4	V
17994	46.6	-25.5	46.7	25.4	54	7.4	V
17964.8	46.5	-25.5	46.7	25.3	54	7.5	V
17976.9	46.5	-25.5	46.7	25.3	54	7.5	V
17980.2	46.5	-25.5	46.7	25.3	54	7.5	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)
17978	46.6	-25.5	46.7	25.4	54	7.4	V
17989	46.5	-25.5	46.7	25.3	54	7.5	V
17950.5	46.4	-25.5	46.7	25.2	54	7.6	V
17963.2	46.4	-25.5	46.7	25.2	54	7.6	V
17969.8	46.4	-25.5	46.7	25.2	54	7.6	V
5351	41.4	-27.4	34	34.8	54	12.6	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)
17972.5	46.7	-25.5	46.7	25.5	54	7.3	V
17985.2	46.6	-25.5	46.7	25.4	54	7.4	V
17987.9	46.6	-25.5	46.7	25.4	54	7.4	V
17956.5	46.4	-25.5	46.7	25.2	54	7.6	V
17957.1	46.4	-25.5	46.7	25.2	54	7.6	V
5459.6	42.1	-27.2	34.2	35.1	54	11.9	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)
17946.7	46.6	-25.5	46.7	25.4	54	7.4	V
17956	46.6	-25.5	46.7	25.4	54	7.4	V
17997.8	46.6	-25.5	46.7	25.4	54	7.4	V
17963.2	46.5	-25.5	46.7	25.3	54	7.5	V
17974.7	46.5	-25.5	46.7	25.3	54	7.5	V
17985.2	46.5	-25.5	46.7	25.3	54	7.5	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)
17970.3	46.6	-25.5	46.7	25.4	54	7.4	V
17992.3	46.5	-25.5	46.7	25.3	54	7.5	V
17957.7	46.4	-25.5	46.7	25.2	54	7.6	V
17980.8	46.4	-25.5	46.7	25.2	54	7.6	V
17950.5	46.3	-25.5	46.7	25.1	54	7.7	V
5725	45.1	-27.1	34.3	37.9	54	8.9	V

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)
17979.1	46.5	-25.5	46.7	25.3	54	7.5	V
17992.3	46.5	-25.5	46.7	25.3	54	7.5	V
17959.8	46.4	-25.5	46.7	25.2	54	7.6	V
17969.2	46.3	-25.5	46.7	25.1	54	7.7	V
17977.5	46.3	-25.5	46.7	25.1	54	7.7	V
17987.3	46.3	-25.5	46.7	25.1	54	7.7	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)
17969.8	46.9	-25.5	46.7	25.7	54	7.1	V
17953.2	46.8	-25.5	46.7	25.6	54	7.2	V
17968.1	46.8	-25.5	46.7	25.6	54	7.2	V
17979.1	46.8	-25.5	46.7	25.6	54	7.2	V
17985.7	46.8	-25.5	46.7	25.6	54	7.2	V
5149.9	42.8	-27.6	33.7	36.7	54	11.2	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)
17976.3	47	-25.5	46.7	25.8	54	7	V
17983	46.8	-25.5	46.7	25.6	54	7.2	V
17998.9	46.8	-25.5	46.7	25.6	54	7.2	V
17958.8	46.6	-25.5	46.7	25.4	54	7.4	V
17969.8	46.6	-25.5	46.7	25.4	54	7.4	V
17970.3	46.6	-25.5	46.7	25.4	54	7.4	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)
17983.5	46.6	-25.5	46.7	25.4	54	7.4	V
17975.8	46.5	-25.5	46.7	25.3	54	7.5	V
17981.8	46.5	-25.5	46.7	25.3	54	7.5	V
17953.8	46.4	-25.5	46.7	25.2	54	7.6	V
17964.8	46.4	-25.5	46.7	25.2	54	7.6	V
17978	46.4	-25.5	46.7	25.2	54	7.6	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)
17968.1	46.8	-25.5	46.7	25.6	54	7.2	V
17981.3	46.7	-25.5	46.7	25.5	54	7.3	V
17980.8	46.6	-25.5	46.7	25.4	54	7.4	V
17978.5	46.5	-25.5	46.7	25.3	54	7.5	V
17972.5	46.4	-25.5	46.7	25.2	54	7.6	V
5350.2	46.5	-27.4	34	39.9	54	7.5	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)
17998.3	46.8	-25.5	46.7	25.6	54	7.2	V
17974.7	46.6	-25.5	46.7	25.4	54	7.4	V
17979.1	46.6	-25.5	46.7	25.4	54	7.4	V
17983.5	46.6	-25.5	46.7	25.4	54	7.4	V
17987.3	46.6	-25.5	46.7	25.4	54	7.4	V
5459.4	43.6	-27.2	34.2	36.6	54	10.4	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)
17974.2	46.6	-25.5	46.7	25.4	54	7.4	V
17995	46.6	-25.5	46.7	25.4	54	7.4	V
17963.2	46.5	-25.5	46.7	25.3	54	7.5	V
17967.5	46.5	-25.5	46.7	25.3	54	7.5	V
17976.3	46.5	-25.5	46.7	25.3	54	7.5	V
17997.8	46.5	-25.5	46.7	25.3	54	7.5	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)
17986.2	46.6	-25.5	46.7	25.4	54	7.4	V
17940.6	46.4	-25.5	46.7	25.2	54	7.6	V
17954.9	46.4	-25.5	46.7	25.2	54	7.6	V
17962.6	46.4	-25.5	46.7	25.2	54	7.6	V
17998.3	46.4	-25.5	46.7	25.2	54	7.6	V
5725.7	42.5	-27.1	34.3	35.3	54	11.5	V

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)
17980.2	46.5	-25.5	46.7	25.3	54	7.5	V
17965.9	46.4	-25.5	46.7	25.2	54	7.6	V
17962.6	46.3	-25.5	46.7	25.1	54	7.7	V
17973	46.3	-25.5	46.7	25.1	54	7.7	V
17976.3	46.3	-25.5	46.7	25.1	54	7.7	V
17988.5	46.3	-25.5	46.7	25.1	54	7.7	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)
17998.3	46.5	-25.5	46.7	25.3	54	7.5	V
17956.5	46.3	-25.5	46.7	25.1	54	7.7	V
17965.3	46.3	-25.5	46.7	25.1	54	7.7	V
17978.5	46.3	-25.5	46.7	25.1	54	7.7	V
17994	46.3	-25.5	46.7	25.1	54	7.7	V
5138.1	44.8	-27.6	33.7	38.7	54	9.2	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)
17979.7	46.5	-25.5	46.7	25.3	54	7.5	V
17993.4	46.5	-25.5	46.7	25.3	54	7.5	V
17952.7	46.3	-25.5	46.7	25.1	54	7.7	V
17981.3	46.3	-25.5	46.7	25.1	54	7.7	V
17988.5	46.3	-25.5	46.7	25.1	54	7.7	V
5361.1	45.6	-27.4	34	39	54	8.4	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)
17951.6	46.4	-25.5	46.7	25.2	54	7.6	V
17975.2	46.4	-25.5	46.7	25.2	54	7.6	V
17983.5	46.4	-25.5	46.7	25.2	54	7.6	V
17957.7	46.3	-25.5	46.7	25.1	54	7.7	V
17974.7	46.3	-25.5	46.7	25.1	54	7.7	V
5459.4	47.7	-27.2	34.2	40.7	54	6.3	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)
17988.5	46.3	-25.5	46.7	25.1	54	7.7	V
17994.5	46.3	-25.5	46.7	25.1	54	7.7	V
17971.4	46.2	-25.5	46.7	25	54	7.8	V
17974.2	46.2	-25.5	46.7	25	54	7.8	V
17996.2	46.2	-25.5	46.7	25	54	7.8	V
17958.2	46.1	-25.5	46.7	24.9	54	7.9	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)
17747.5	58	-25.5	46.7	36.8	74	16	V
17963.7	58	-25.5	46.7	36.8	74	16	V
17973	57.6	-25.5	46.7	36.4	74	16.4	V
17966.5	57.4	-25.5	46.7	36.2	74	16.6	V
17934	57.3	-25.5	46.7	36.1	74	16.7	V
5149.9	53.6	-27.6	33.7	47.5	74	20.4	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)
17975.2	57.6	-25.5	46.7	36.4	74	16.4	V
17947.8	57.4	-25.5	46.7	36.2	74	16.6	V
17968.1	57.2	-25.5	46.7	36	74	16.8	V
17936.2	57.1	-25.5	46.7	35.9	74	16.9	V
17898.2	56.9	-25.5	46.7	35.7	74	17.1	V
17906.5	56.9	-25.5	46.7	35.7	74	17.1	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)
17958.8	58.6	-25.5	46.7	37.4	74	15.4	V
17847.1	57.7	-25.5	46.7	36.5	74	16.3	V
17985.2	57.5	-25.5	46.7	36.3	74	16.5	V
17976.9	57.4	-25.5	46.7	36.2	74	16.6	V
17948.3	56.9	-25.5	46.7	35.7	74	17.1	V
17897.2	56.8	-25.5	46.7	35.6	74	17.2	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)
17964.2	58.1	-25.5	46.7	36.9	74	15.9	V
17981.8	58.1	-25.5	46.7	36.9	74	15.9	V
17985.7	57.5	-25.5	46.7	36.3	74	16.5	V
17977.5	56.9	-25.5	46.7	35.7	74	17.1	V
17843.8	56.8	-25.5	46.7	35.6	74	17.2	V
17919.2	56.7	-25.5	46.7	35.5	74	17.3	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)
17934.5	59.3	-25.5	46.7	38.1	74	14.7	V
17887.2	57.7	-25.5	46.7	36.5	74	16.3	V
17942.8	57.7	-25.5	46.7	36.5	74	16.3	V
17951.6	57.4	-25.5	46.7	36.2	74	16.6	V
17989.5	57.4	-25.5	46.7	36.2	74	16.6	V
17958.8	57.2	-25.5	46.7	36	74	16.8	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)
17941.7	57.8	-25.5	46.7	36.6	74	16.2	V
17959.3	57.7	-25.5	46.7	36.5	74	16.3	V
17965.3	57.4	-25.5	46.7	36.2	74	16.6	V
17971.4	57.3	-25.5	46.7	36.1	74	16.7	V
17982.4	57.3	-25.5	46.7	36.1	74	16.7	V
5360.6	55.7	-27.4	34	49.1	74	18.3	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)
17946.7	57.7	-25.5	46.7	36.5	74	16.3	V
17903.8	57.5	-25.5	46.7	36.3	74	16.5	V
17939.5	57.5	-25.5	46.7	36.3	74	16.5	V
17986.8	57.2	-25.5	46.7	36	74	16.8	V
17928.5	57	-25.5	46.7	35.8	74	17	V
5458.8	54.3	-27.2	34.2	47.3	74	19.7	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)
17981.3	57.5	-25.5	46.7	36.3	74	16.5	V
17990.1	57.2	-25.5	46.7	36	74	16.8	V
17954.3	57.1	-25.5	46.7	35.9	74	16.9	V
17930.7	56.9	-25.5	46.7	35.7	74	17.1	V
17953.8	56.9	-25.5	46.7	35.7	74	17.1	V
17888.9	56.8	-25.5	46.7	35.6	74	17.2	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)
17940	57.9	-25.5	46.7	36.7	74	16.1	V
17941.7	57.3	-25.5	46.7	36.1	74	16.7	V
17963.7	57.3	-25.5	46.7	36.1	74	16.7	V
17879.5	57.1	-25.5	46.7	35.9	74	16.9	V
17959.3	57.1	-25.5	46.7	35.9	74	16.9	V
5727.2	55.1	-27.1	34.3	47.9	74	18.9	V

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)
17991.8	57.4	-25.5	46.7	36.2	74	16.6	V
17894.4	57.3	-25.5	46.7	36.1	74	16.7	V
17944.5	57.3	-25.5	46.7	36.1	74	16.7	V
17955.5	57.2	-25.5	46.7	36	74	16.8	V
17986.8	57.2	-25.5	46.7	36	74	16.8	V
17992.3	57.2	-25.5	46.7	36	74	16.8	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)
17993.4	58.5	-25.5	46.7	37.3	74	15.5	V
17957.1	57.3	-25.5	46.7	36.1	74	16.7	V
17962.6	57.3	-25.5	46.7	36.1	74	16.7	V
17985.7	57	-25.5	46.7	35.8	74	17	V
17992.3	57	-25.5	46.7	35.8	74	17	V
5141.2	57.3	-27.6	33.7	51.2	74	16.7	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)
17978	58.2	-25.5	46.7	37	74	15.8	V
17976.3	57.9	-25.5	46.7	36.7	74	16.1	V
17951	57.5	-25.5	46.7	36.3	74	16.5	V
17996.2	57.5	-25.5	46.7	36.3	74	16.5	V
17891.7	57.4	-25.5	46.7	36.2	74	16.6	V
17839.4	57.3	-25.5	46.7	36.1	74	16.7	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)
17972	57.8	-25.5	46.7	36.6	74	16.2	V
17953.8	57.7	-25.5	46.7	36.5	74	16.3	V
17984.6	57.3	-25.5	46.7	36.1	74	16.7	V
17986.2	57.3	-25.5	46.7	36.1	74	16.7	V
17989	57.3	-25.5	46.7	36.1	74	16.7	V
17880.1	57.2	-25.5	46.7	36	74	16.8	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)
17945	57.6	-25.5	46.7	36.4	74	16.4	V
17959.8	57.6	-25.5	46.7	36.4	74	16.4	V
17973	57.6	-25.5	46.7	36.4	74	16.4	V
17961	57.2	-25.5	46.7	36	74	16.8	V
17974.7	57.1	-25.5	46.7	35.9	74	16.9	V
17957.1	56.9	-25.5	46.7	35.7	74	17.1	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)
17989.5	58.1	-25.5	46.7	36.9	74	15.9	V
17992.3	57.2	-25.5	46.7	36	74	16.8	V
17952.2	57	-25.5	46.7	35.8	74	17	V
17981.3	57	-25.5	46.7	35.8	74	17	V
17995.6	57	-25.5	46.7	35.8	74	17	V
17955.5	56.9	-25.5	46.7	35.7	74	17.1	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	58.1	-25.5	46.7	36.9	74	15.9	V
17937.8	57.9	-25.5	46.7	36.7	74	16.1	V
17488.5	57.4	-26.9	45.2	39	74	16.6	V
17501.2	57.4	-26.9	45.2	39	74	16.6	V
17945	57.4	-25.5	46.7	36.2	74	16.6	V
5356.3	54.1	-27.4	34	47.5	74	19.9	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)
17905.4	58.1	-25.5	46.7	36.9	74	15.9	V
17960.4	57.7	-25.5	46.7	36.5	74	16.3	V
17997.2	57.5	-25.5	46.7	36.3	74	16.5	V
17931.8	57.2	-25.5	46.7	36	74	16.8	V
17981.8	57.1	-25.5	46.7	35.9	74	16.9	V
5458.9	54	-27.2	34.2	47	74	20	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)
17990.1	57.7	-25.5	46.7	36.5	74	16.3	V
17990.7	57.7	-25.5	46.7	36.5	74	16.3	V
17920.2	57.1	-25.5	46.7	35.9	74	16.9	V
17951.6	57.1	-25.5	46.7	35.9	74	16.9	V
17956	57.1	-25.5	46.7	35.9	74	16.9	V
17953.2	57	-25.5	46.7	35.8	74	17	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)
17984.6	57.9	-25.5	46.7	36.7	74	16.1	V
17989.5	57.9	-25.5	46.7	36.7	74	16.1	V
17976.3	57.3	-25.5	46.7	36.1	74	16.7	V
17967.5	57.2	-25.5	46.7	36	74	16.8	V
17851.5	57	-25.5	46.7	35.8	74	17	V
5725.2	56.5	-27.1	34.3	49.3	74	17.5	V

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)
17954.3	57.5	-25.5	46.7	36.3	74	16.5	V
17779.5	57.3	-25.5	46.7	36.1	74	16.7	V
17990.7	56.9	-25.5	46.7	35.7	74	17.1	V
17879	56.8	-25.5	46.7	35.6	74	17.2	V
17964.2	56.8	-25.5	46.7	35.6	74	17.2	V
17976.9	56.7	-25.5	46.7	35.5	74	17.3	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)
17978.5	58.2	-25.5	46.7	37	74	15.8	V
17984.6	58	-25.5	46.7	36.8	74	16	V
17967.5	57.7	-25.5	46.7	36.5	74	16.3	V
17868.5	57.6	-25.5	46.7	36.4	74	16.4	V
17869.7	57.6	-25.5	46.7	36.4	74	16.4	V
5149.6	61.5	-27.6	33.7	55.4	74	12.5	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)
17967.5	57.8	-25.5	46.7	36.6	74	16.2	V
17812.5	57.3	-25.5	46.7	36.1	74	16.7	V
17961	57.3	-25.5	46.7	36.1	74	16.7	V
17997.2	57.3	-25.5	46.7	36.1	74	16.7	V
17862	57.2	-25.5	46.7	36	74	16.8	V
17943.3	57.1	-25.5	46.7	35.9	74	16.9	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)
17986.2	58.1	-25.5	46.7	36.9	74	15.9	V
17996.7	58.1	-25.5	46.7	36.9	74	15.9	V
17989	57.6	-25.5	46.7	36.4	74	16.4	V
17958.8	57.4	-25.5	46.7	36.2	74	16.6	V
17972.5	56.8	-25.5	46.7	35.6	74	17.2	V
17983	56.8	-25.5	46.7	35.6	74	17.2	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)
17987.3	57.8	-25.5	46.7	36.6	74	16.2	V
17990.7	57.7	-25.5	46.7	36.5	74	16.3	V
17965.3	57.5	-25.5	46.7	36.3	74	16.5	V
17940	57.3	-25.5	46.7	36.1	74	16.7	V
17976.9	57.2	-25.5	46.7	36	74	16.8	V
5351.6	58.3	-27.4	34	51.7	74	15.7	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)
17964.8	58.2	-25.5	46.7	37	74	15.8	V
17967	57.9	-25.5	46.7	36.7	74	16.1	V
17957.7	57.5	-25.5	46.7	36.3	74	16.5	V
17853.7	57.4	-25.5	46.7	36.2	74	16.6	V
17986.8	57.3	-25.5	46.7	36.1	74	16.7	V
5455.1	56.4	-27.2	34.2	49.4	74	17.6	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)
17970.3	58	-25.5	46.7	36.8	74	16	V
17986.8	57.9	-25.5	46.7	36.7	74	16.1	V
17920.2	57.2	-25.5	46.7	36	74	16.8	V
17899.9	57	-25.5	46.7	35.8	74	17	V
17859.8	56.9	-25.5	46.7	35.7	74	17.1	V
17954.9	56.9	-25.5	46.7	35.7	74	17.1	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)
17981.8	58	-25.5	46.7	36.8	74	16	V
17938.4	57.5	-25.5	46.7	36.3	74	16.5	V
17961.5	57.4	-25.5	46.7	36.2	74	16.6	V
17963.7	57.4	-25.5	46.7	36.2	74	16.6	V
17968.1	56.9	-25.5	46.7	35.7	74	17.1	V
5730.4	56.5	-27.1	34.3	49.3	74	17.5	V

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)
17953.2	57.2	-25.5	46.7	36	74	16.8	V
17996.2	57.2	-25.5	46.7	36	74	16.8	V
17967.5	57.1	-25.5	46.7	35.9	74	16.9	V
17862	56.9	-25.5	46.7	35.7	74	17.1	V
17940.6	56.8	-25.5	46.7	35.6	74	17.2	V
17893.8	56.7	-25.5	46.7	35.5	74	17.3	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)
17858.7	57.9	-25.5	46.7	36.7	74	16.1	V
17992.3	57.7	-25.5	46.7	36.5	74	16.3	V
17666.2	57.6	-25.7	46	37.4	74	16.4	V
17806.4	57.5	-25.5	46.7	36.3	74	16.5	V
17904.8	57.4	-25.5	46.7	36.2	74	16.6	V
5142.1	52.4	-27.6	33.7	46.3	74	21.6	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)
17950	58.1	-25.5	46.7	36.9	74	15.9	V
17997.8	57.9	-25.5	46.7	36.7	74	16.1	V
17970.3	57.6	-25.5	46.7	36.4	74	16.4	V
17984	57.3	-25.5	46.7	36.1	74	16.7	V
17929	57.2	-25.5	46.7	36	74	16.8	V
17954.3	57	-25.5	46.7	35.8	74	17	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)
17998.9	58	-25.5	46.7	36.8	74	16	V
17970.3	57.9	-25.5	46.7	36.7	74	16.1	V
17965.3	57.2	-25.5	46.7	36	74	16.8	V
17976.9	57.2	-25.5	46.7	36	74	16.8	V
17983.5	57	-25.5	46.7	35.8	74	17	V
17996.2	57	-25.5	46.7	35.8	74	17	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)
17984	57.9	-25.5	46.7	36.7	74	16.1	V
17943.3	57.6	-25.5	46.7	36.4	74	16.4	V
17897.2	57.5	-25.5	46.7	36.3	74	16.5	V
17937.3	57.5	-25.5	46.7	36.3	74	16.5	V
17980.2	57.2	-25.5	46.7	36	74	16.8	V
17964.2	57.1	-25.5	46.7	35.9	74	16.9	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)
17856.5	58.2	-25.5	46.7	37	74	15.8	V
17961.5	57.2	-25.5	46.7	36	74	16.8	V
17950	57.1	-25.5	46.7	35.9	74	16.9	V
17982.4	57.1	-25.5	46.7	35.9	74	16.9	V
17970.3	57	-25.5	46.7	35.8	74	17	V
17996.2	56.9	-25.5	46.7	35.7	74	17.1	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)
17932.3	57.2	-25.5	46.7	36	74	16.8	V
17986.2	57.1	-25.5	46.7	35.9	74	16.9	V
17902.7	57	-25.5	46.7	35.8	74	17	V
17887.8	56.9	-25.5	46.7	35.7	74	17.1	V
17914.2	56.8	-25.5	46.7	35.6	74	17.2	V
5351.9	55.1	-27.4	34	48.5	74	18.9	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)
17983.5	58.1	-25.5	46.7	36.9	74	15.9	V
17973	57.5	-25.5	46.7	36.3	74	16.5	V
17969.2	57.3	-25.5	46.7	36.1	74	16.7	V
17849.3	57.1	-25.5	46.7	35.9	74	16.9	V
17929	57	-25.5	46.7	35.8	74	17	V
5456.4	54.1	-27.2	34.2	47.1	74	19.9	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)
17951	57	-25.5	46.7	35.8	74	17	V
17959.3	57	-25.5	46.7	35.8	74	17	V
17992.3	57	-25.5	46.7	35.8	74	17	V
17840.5	56.9	-25.5	46.7	35.7	74	17.1	V
17962	56.9	-25.5	46.7	35.7	74	17.1	V
17991.2	56.9	-25.5	46.7	35.7	74	17.1	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)
17989	57.3	-25.5	46.7	36.1	74	16.7	V
17948.8	57.2	-25.5	46.7	36	74	16.8	V
17825.7	57	-25.5	46.7	35.8	74	17	V
17870.2	56.9	-25.5	46.7	35.7	74	17.1	V
17939.5	56.9	-25.5	46.7	35.7	74	17.1	V
5725	59.6	-27.1	34.3	52.4	74	14.4	V

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)
17854.2	58.1	-25.5	46.7	36.9	74	15.9	V
17927.4	57.8	-25.5	46.7	36.6	74	16.2	V
17969.2	57.8	-25.5	46.7	36.6	74	16.2	V
17958.2	57.7	-25.5	46.7	36.5	74	16.3	V
17964.8	57.5	-25.5	46.7	36.3	74	16.5	V
17960.4	57.4	-25.5	46.7	36.2	74	16.6	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)
17953.2	58.1	-25.5	46.7	36.9	74	15.9	V
17961.5	57.8	-25.5	46.7	36.6	74	16.2	V
17970.3	57.5	-25.5	46.7	36.3	74	16.5	V
17865.8	57.2	-25.5	46.7	36	74	16.8	V
17982.4	57	-25.5	46.7	35.8	74	17	V
5149.5	54.8	-27.6	33.7	48.7	74	19.2	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)
17966.5	58.4	-25.5	46.7	37.2	74	15.6	V
17965.3	57.6	-25.5	46.7	36.4	74	16.4	V
17979.1	57.6	-25.5	46.7	36.4	74	16.4	V
17900.5	57.1	-25.5	46.7	35.9	74	16.9	V
17913.1	57.1	-25.5	46.7	35.9	74	16.9	V
17914.2	57	-25.5	46.7	35.8	74	17	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)
17904.8	57.5	-25.5	46.7	36.3	74	16.5	V
17968.7	57.4	-25.5	46.7	36.2	74	16.6	V
17895	57.2	-25.5	46.7	36	74	16.8	V
17974.7	56.9	-25.5	46.7	35.7	74	17.1	V
17949.4	56.8	-25.5	46.7	35.6	74	17.2	V
17980.8	56.8	-25.5	46.7	35.6	74	17.2	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)
17950	57.1	-25.5	46.7	35.9	74	16.9	V
17881.8	57	-25.5	46.7	35.8	74	17	V
17965.3	56.9	-25.5	46.7	35.7	74	17.1	V
17959.8	56.8	-25.5	46.7	35.6	74	17.2	V
17988.5	56.8	-25.5	46.7	35.6	74	17.2	V
5353.3	59.1	-27.4	34	52.5	74	14.9	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)
17976.9	58.1	-25.5	46.7	36.9	74	15.9	V
17943.9	57.2	-25.5	46.7	36	74	16.8	V
17985.2	56.8	-25.5	46.7	35.6	74	17.2	V
17966.5	56.7	-25.5	46.7	35.5	74	17.3	V
17929	56.5	-25.5	46.7	35.3	74	17.5	V
5458.3	55.6	-27.2	34.2	48.6	74	18.4	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)
17959.8	58.2	-25.5	46.7	37	74	15.8	V
17989	57.4	-25.5	46.7	36.2	74	16.6	V
17984	57.2	-25.5	46.7	36	74	16.8	V
17984.6	57.2	-25.5	46.7	36	74	16.8	V
17994.5	56.8	-25.5	46.7	35.6	74	17.2	V
17953.2	56.7	-25.5	46.7	35.5	74	17.3	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)
17990.1	58	-25.5	46.7	36.8	74	16	V
17961	57.9	-25.5	46.7	36.7	74	16.1	V
17910.3	57.6	-25.5	46.7	36.4	74	16.4	V
17863	57	-25.5	46.7	35.8	74	17	V
17946.1	57	-25.5	46.7	35.8	74	17	V
5728.5	56.9	-27.1	34.3	49.7	74	17.1	V

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)
17972	57.8	-25.5	46.7	36.6	74	16.2	V
17989	57.6	-25.5	46.7	36.4	74	16.4	V
17940.6	57.1	-25.5	46.7	35.9	74	16.9	V
17859.8	57	-25.5	46.7	35.8	74	17	V
17948.8	56.9	-25.5	46.7	35.7	74	17.1	V
17947.2	56.7	-25.5	46.7	35.5	74	17.3	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)
17986.2	58.2	-25.5	46.7	37	74	15.8	V
17975.2	57.7	-25.5	46.7	36.5	74	16.3	V
17997.2	57.2	-25.5	46.7	36	74	16.8	V
17957.7	57	-25.5	46.7	35.8	74	17	V
17939	56.8	-25.5	46.7	35.6	74	17.2	V
5130	56.8	-27.6	33.7	50.7	74	17.2	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)
17934	58.2	-25.5	46.7	37	74	15.8	V
17992.3	58	-25.5	46.7	36.8	74	16	V
17990.7	57.5	-25.5	46.7	36.3	74	16.5	V
17952.7	57.2	-25.5	46.7	36	74	16.8	V
17949.4	56.9	-25.5	46.7	35.7	74	17.1	V
5354.9	58.2	-27.4	34	51.6	74	15.8	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)
17973	57.6	-25.5	46.7	36.4	74	16.4	V
17976.3	57.1	-25.5	46.7	35.9	74	16.9	V
17880.1	57	-25.5	46.7	35.8	74	17	V
17967	57	-25.5	46.7	35.8	74	17	V
17998.3	57	-25.5	46.7	35.8	74	17	V
5458.9	59.9	-27.2	34.2	52.9	74	14.1	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)
17982.4	57.1	-25.5	46.7	35.9	74	16.9	V
17994.5	57.1	-25.5	46.7	35.9	74	16.9	V
17874.6	56.8	-25.5	46.7	35.6	74	17.2	V
17948.3	56.8	-25.5	46.7	35.6	74	17.2	V
17994	56.7	-25.5	46.7	35.5	74	17.3	V
17975.2	56.6	-25.5	46.7	35.4	74	17.4	V

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.53	Fig.54	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.53	Fig.54	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:

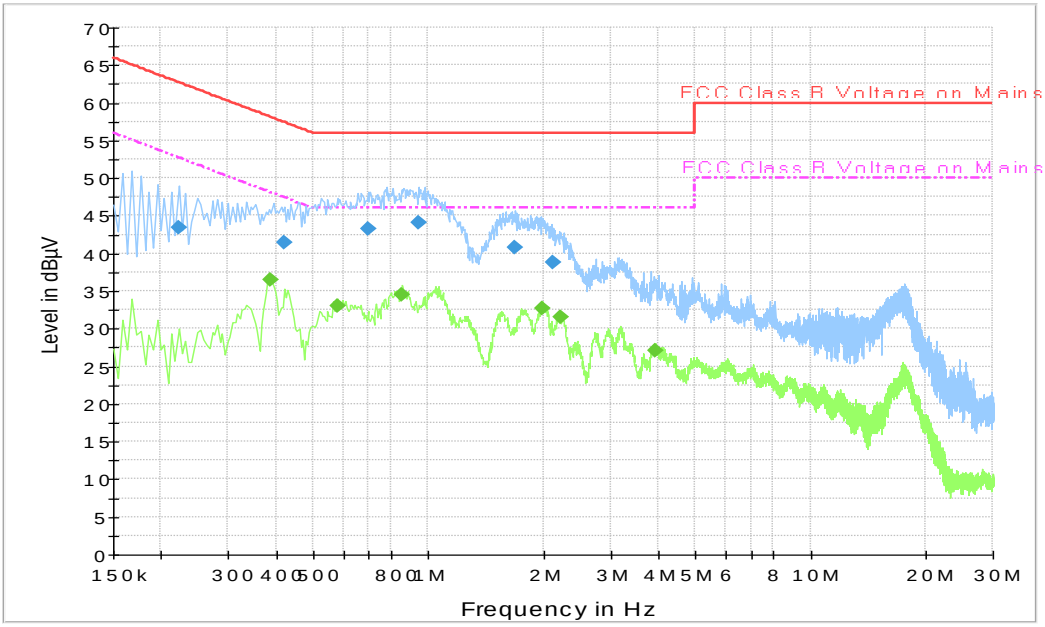


Fig.53 Conducted Emission (802.11a, Ch36, TX)

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)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.222000	43.4	1000.	9.000	L1	19.6	19.3	62.7
0.420000	41.5	1000.	9.000	L1	19.6	16.0	57.4
0.694500	43.2	1000.	9.000	N	19.4	12.8	56.0
0.942000	44.1	1000.	9.000	L1	19.6	11.9	56.0
1.689000	40.8	1000.	9.000	N	19.6	15.2	56.0
2.130000	38.8	1000.	9.000	N	19.5	17.2	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.388500	36.6	1000.	9.000	N	19.6	11.5	48.1
0.577500	33.0	1000.	9.000	N	19.5	13.0	46.0
0.856500	34.6	1000.	9.000	N	19.5	11.4	46.0
1.981500	32.7	1000.	9.000	N	19.5	13.3	46.0
2.215500	31.5	1000.	9.000	L1	19.6	14.5	46.0
3.930000	27.1	1000.	9.000	L1	19.7	18.9	46.0

Idle:

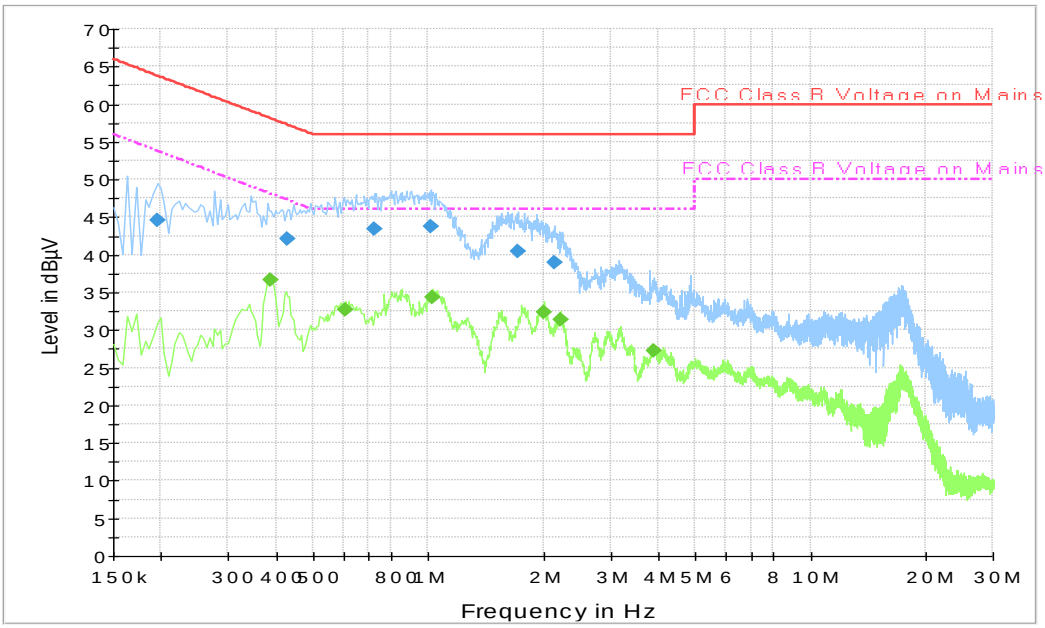


Fig.54 Conducted Emission(802.11a, IDLE)

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)
0.195000	44.6	1000.	9.000	N	19.6	19.2	63.8
0.429000	42.0	1000.	9.000	N	19.6	15.3	57.3
0.721500	43.4	1000.	9.000	N	19.4	12.6	56.0
1.014000	43.8	1000.	9.000	N	19.6	12.2	56.0
1.716000	40.5	1000.	9.000	N	19.6	15.5	56.0
2.134500	39.0	1000.	9.000	N	19.5	17.0	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.388500	36.6	1000.	9.000	N	19.6	11.5	48.1
0.609000	32.6	1000.	9.000	N	19.5	13.4	46.0
1.023000	34.4	1000.	9.000	N	19.6	11.6	46.0
2.013000	32.3	1000.	9.000	L1	19.5	13.7	46.0
2.220000	31.4	1000.	9.000	N	19.6	14.6	46.0
3.876000	27.3	1000.	9.000	N	19.7	18.7	46.0

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.55	17.10	P
	5200 MHz	Fig.56	17.08	P
	5240 MHz	Fig.57	17.12	P
802.11n HT20	5180 MHz	Fig.58	18.27	P
	5200 MHz	Fig.59	18.25	P
	5240 MHz	Fig.60	18.28	P
802.11ac HT40	5190 MHz	Fig.61	36.28	P
	5230 MHz	Fig.62	36.33	P
802.11ac HT80	5210 MHz	Fig.63	75.69	P

Conclusion: PASS

Test graphs as below:

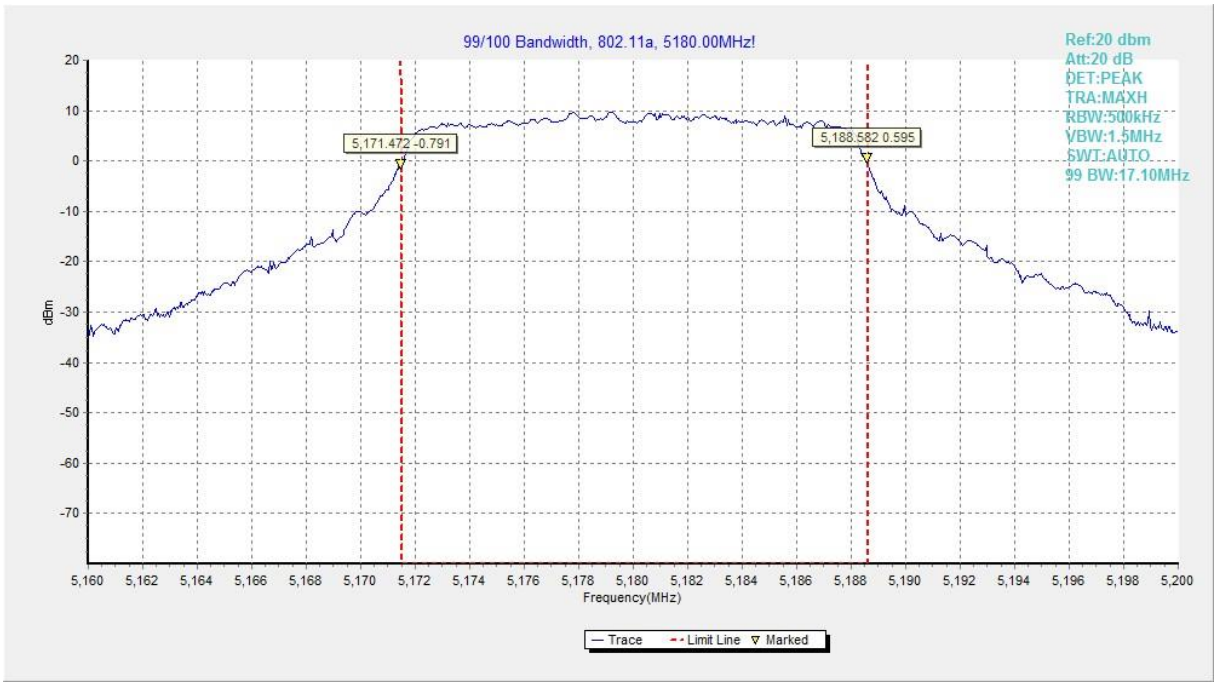


Fig.55 99% Occupied bandwidth (802.11a, 5180MHz)

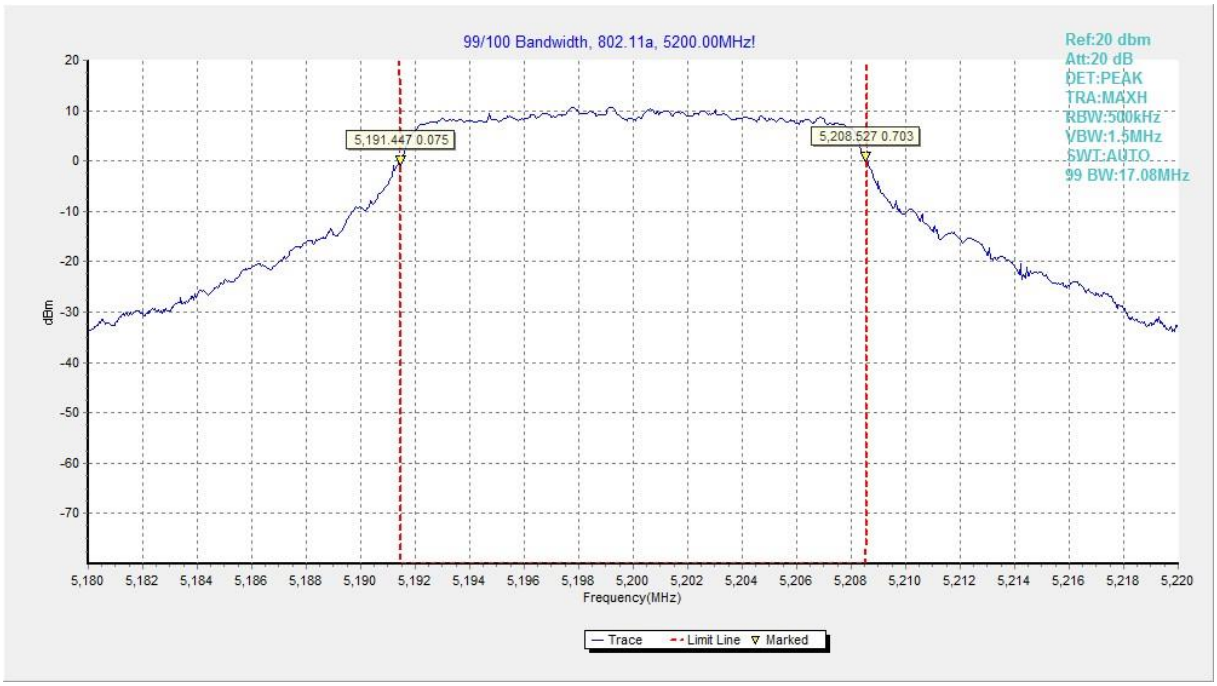


Fig.56 99% Occupied bandwidth (802.11a, 5200MHz)

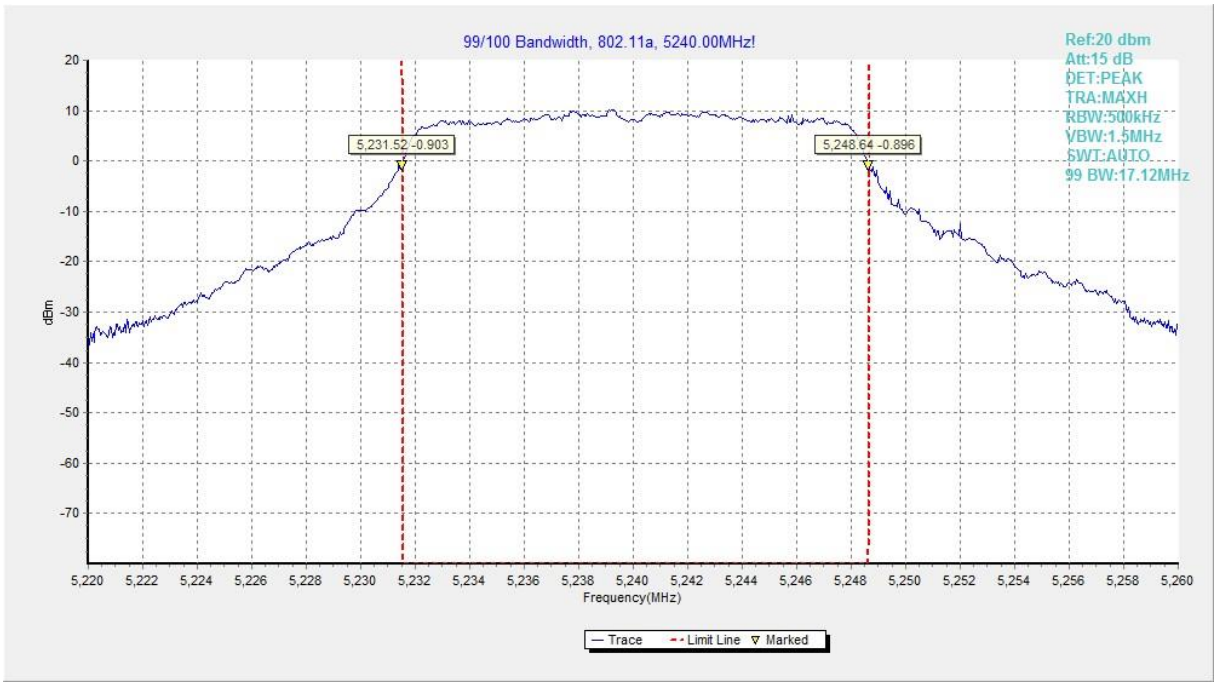


Fig.57 99% Occupied bandwidth (802.11a, 5240MHz)

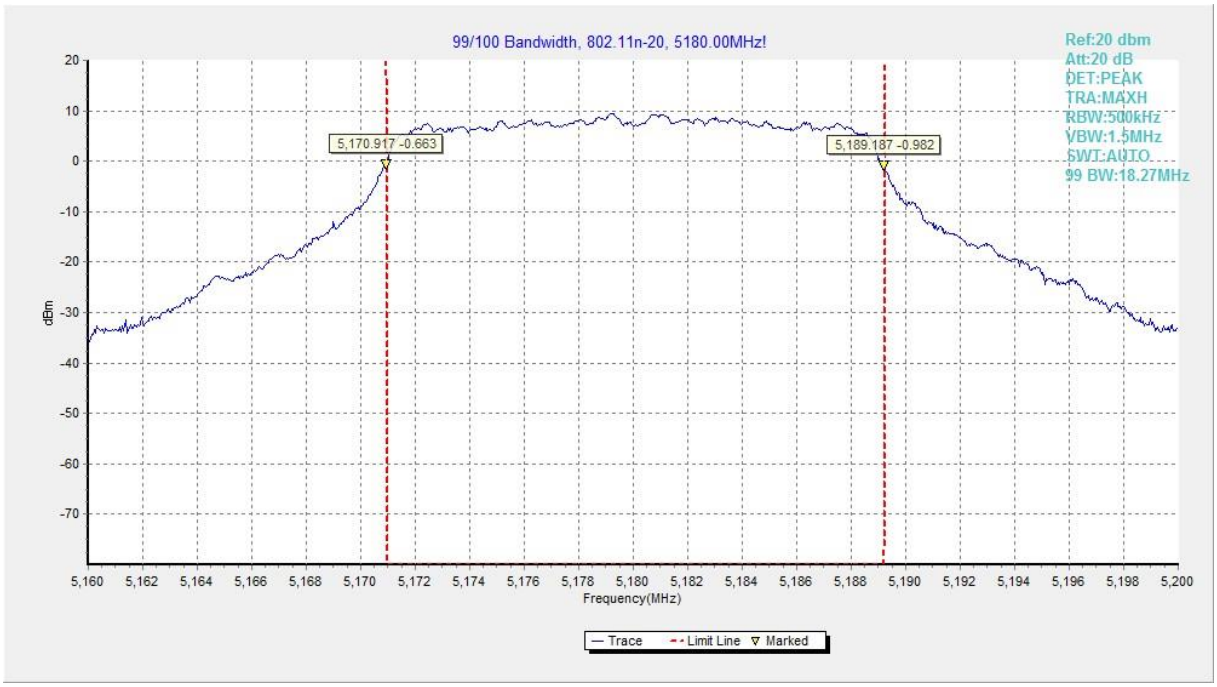


Fig.58 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

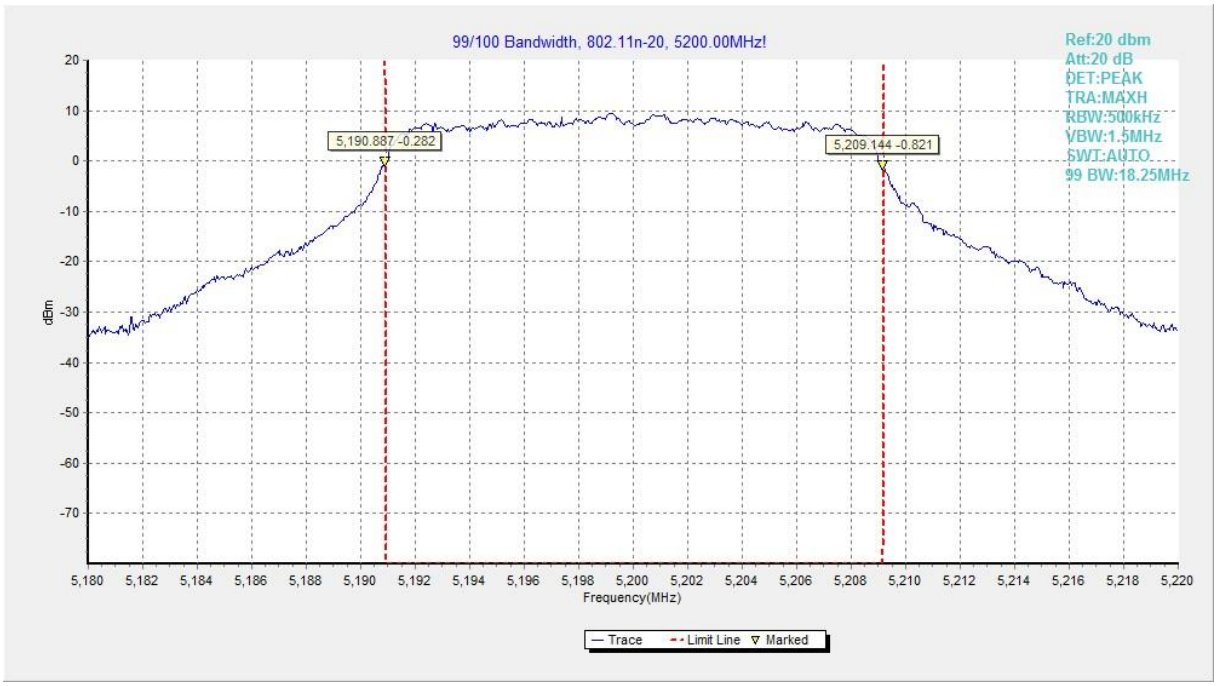


Fig.59 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

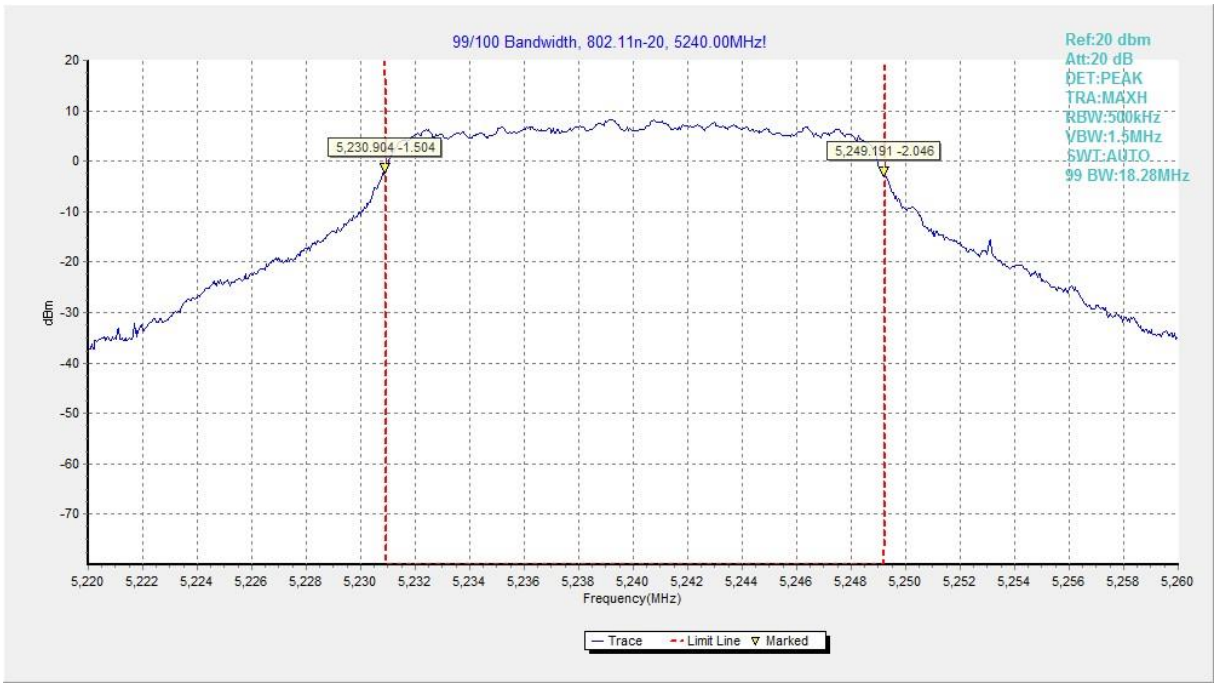


Fig.60 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

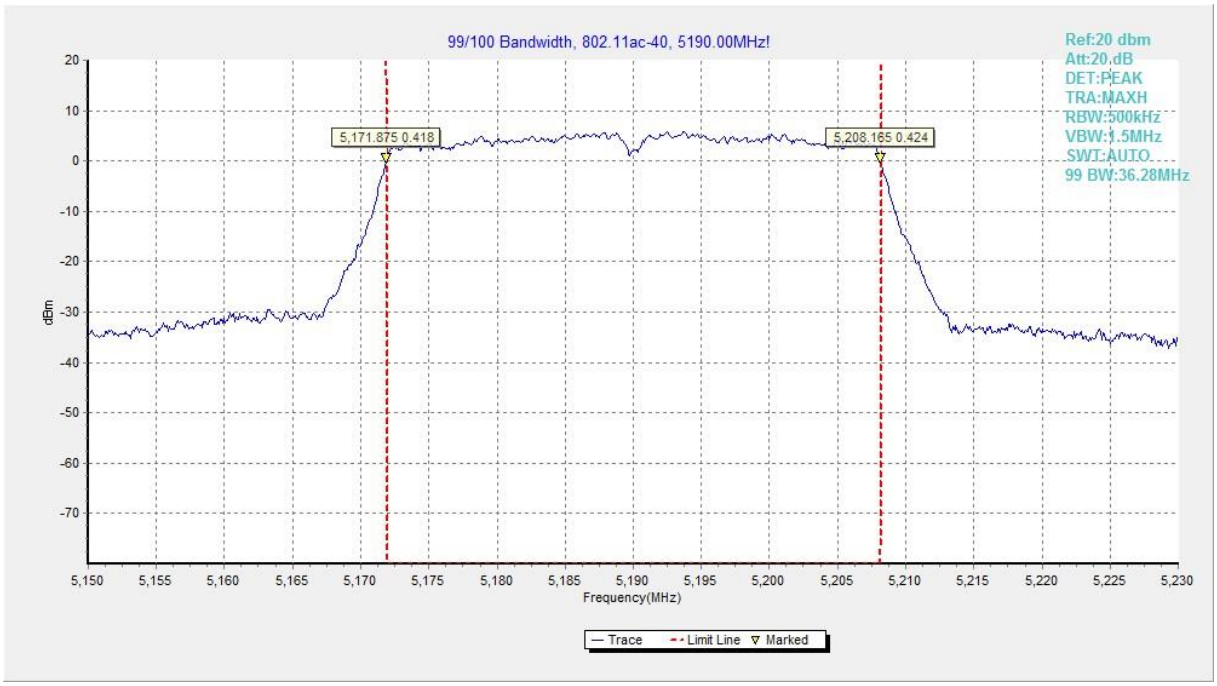


Fig.61 99% Occupied bandwidth (802.11ac-HT40, 5190MHz)

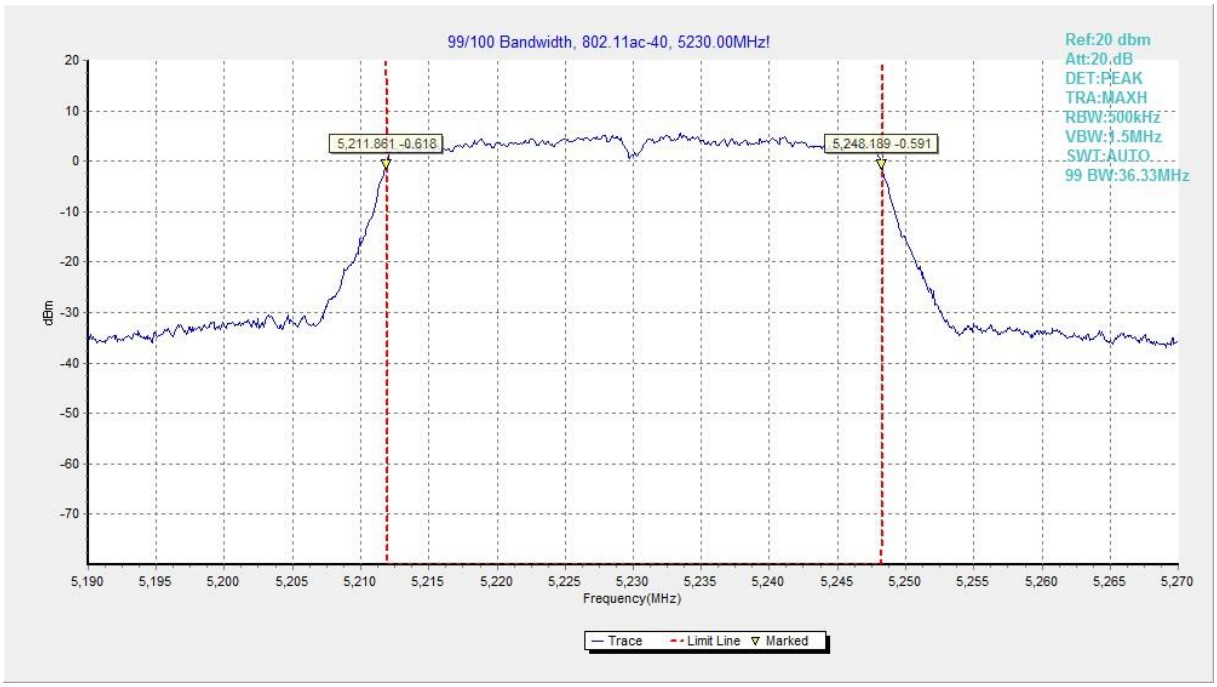


Fig.62 99% Occupied bandwidth (802.11ac-HT40, 5230MHz)

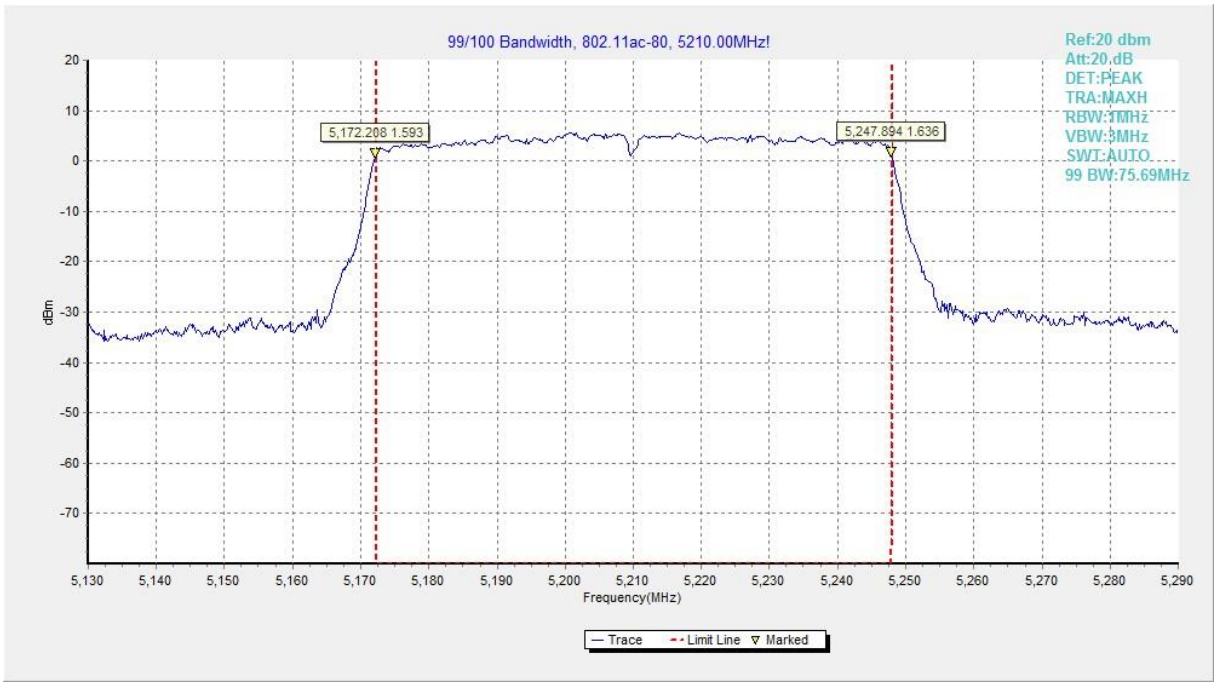
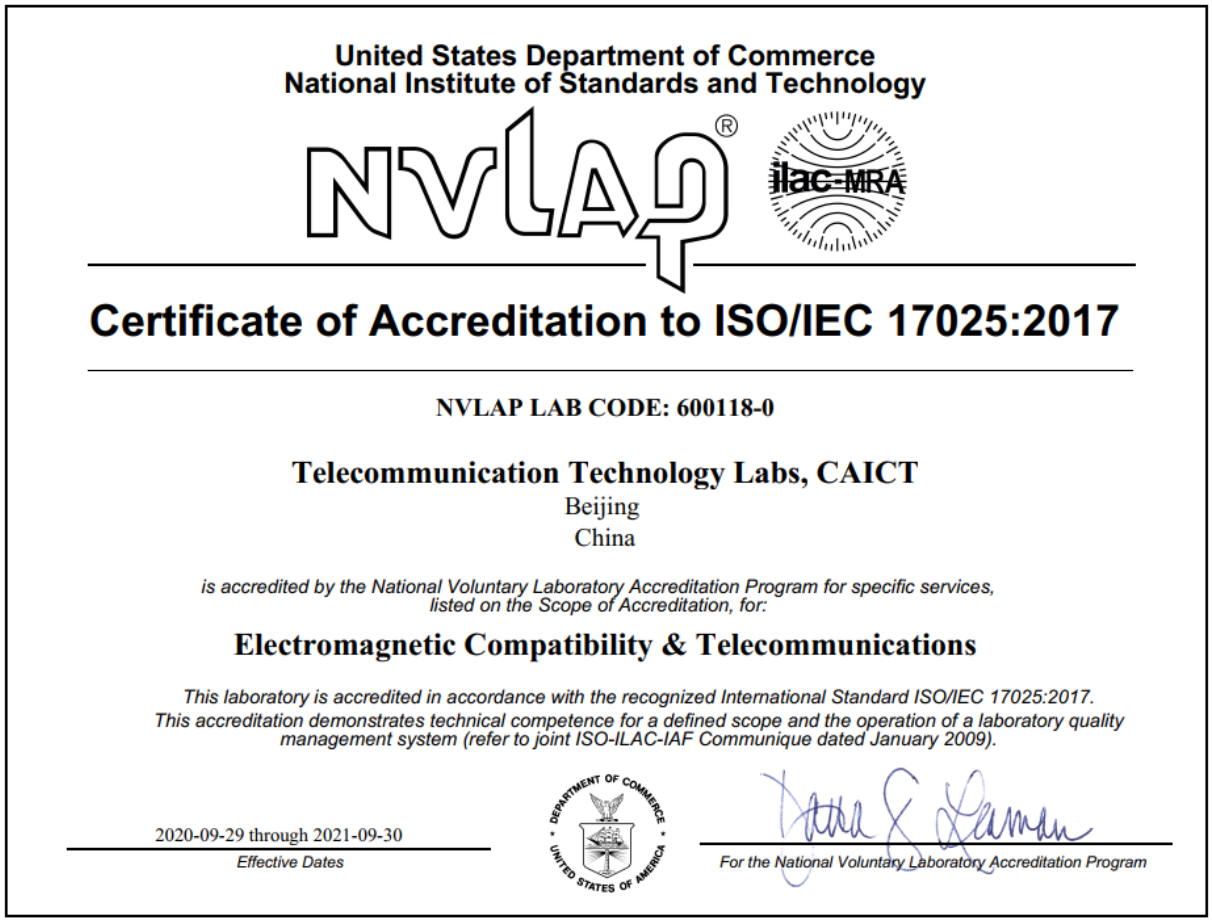


Fig.63 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

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



United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

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Certificate of Accreditation to ISO/IEC 17025:2017

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 *****