

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)
5453.000	43.5	-29.4	34.6	38.29	54.0	10.5	V
5456.000	43.5	-29.4	34.6	38.28	54.0	10.5	H
10998.500	36.9	-32.7	37.8	31.75	54.0	17.1	H
15946.300	37.4	-27.7	40.6	24.47	54.0	16.6	V
17850.400	38.3	-26.3	41.2	23.48	54.0	15.7	V
17949.400	38.4	-26.1	41.3	23.25	54.0	15.6	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)
5457.000	37.4	-29.3	34.6	32.18	54.0	16.6	V
5459.200	37.3	-29.3	34.6	32.09	54.0	16.7	V
11197.600	39.0	-32.1	38.0	33.11	54.0	15.0	V
15950.700	37.8	-27.7	40.6	24.85	54.0	16.2	H
17755.800	38.0	-26.5	41.1	23.41	54.0	16.0	V
17859.200	38.4	-26.3	41.2	23.50	54.0	15.6	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5452.800	36.8	-29.4	34.6	31.66	54.0	17.2	V
5457.800	36.8	-29.3	34.6	31.61	54.0	17.2	V
11398.900	38.5	-32.3	38.1	32.73	54.0	15.5	V
15948.500	37.4	-27.7	40.6	24.44	54.0	16.6	H
17849.300	38.3	-26.3	41.2	23.47	54.0	15.7	V
17935.100	38.2	-26.1	41.2	23.08	54.0	15.8	V

802.11ac-HT20
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)
5148.000	40.7	-29.7	34.3	36.12	54.0	13.3	H
5149.400	40.7	-29.7	34.3	36.11	54.0	13.3	H
12009.400	34.9	-31.7	38.8	27.77	54.0	19.1	V
15540.400	36.4	-28.8	40.1	25.14	54.0	17.6	H
17853.700	38.5	-26.3	41.2	23.67	54.0	15.5	H
17968.100	38.7	-26.1	41.3	23.53	54.0	15.3	V

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)
5147.000	40.5	-29.7	34.3	35.94	54.0	13.5	H
5353.000	39.4	-29.8	34.5	34.70	54.0	14.6	H
11945.600	34.5	-31.7	38.7	27.41	54.0	19.5	H
15599.800	36.1	-28.7	40.1	24.68	54.0	17.9	V
17854.800	38.6	-26.3	41.2	23.73	54.0	15.4	V
17957.100	38.7	-26.1	41.3	23.49	54.0	15.3	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)
5148.600	39.7	-29.7	34.3	35.12	54.0	14.3	H
5351.000	39.6	-29.8	34.5	34.88	54.0	14.4	H
12085.300	34.6	-31.8	38.8	27.57	54.0	19.4	H
15719.700	36.3	-28.5	40.3	24.49	54.0	17.7	V
17874.600	38.6	-26.3	41.2	23.68	54.0	15.4	V
17957.100	38.6	-26.1	41.3	23.44	54.0	15.4	H

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5146.600	39.6	-29.7	34.3	35.06	54.0	14.4	H
5351.600	39.7	-29.8	34.5	35.01	54.0	14.3	H
12385.600	34.6	-31.3	38.9	27.00	54.0	19.4	H
15780.200	30.1	-28.4	40.4	18.04	54.0	23.9	V
17851.500	38.3	-26.3	41.2	23.48	54.0	15.7	H
17956.000	38.5	-26.1	41.3	23.29	54.0	15.5	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)
5146.200	39.5	-29.7	34.3	34.94	54.0	14.5	H
5351.800	40.1	-29.8	34.5	35.43	54.0	13.9	H
12442.800	34.9	-31.1	38.9	27.10	54.0	19.2	H
15839.600	36.8	-28.2	40.5	24.53	54.0	17.2	V
17794.300	37.7	-26.5	41.1	23.07	54.0	16.3	V
17979.100	38.4	-26.0	41.3	23.20	54.0	15.6	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)
5350.200	40.8	-29.8	34.5	36.06	54.0	13.2	H
5352.000	40.8	-29.8	34.5	36.14	54.0	13.2	H
10638.800	35.8	-33.3	37.6	31.54	54.0	18.2	V
15959.500	37.0	-27.7	40.6	24.05	54.0	17.0	V
17742.600	38.1	-26.5	41.1	23.50	54.0	15.9	H
17954.900	38.5	-26.1	41.3	23.29	54.0	15.5	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5455.600	37.3	-29.4	34.6	32.12	54.0	16.7	H
5458.200	37.4	-29.3	34.6	32.21	54.0	16.6	H
10999.600	34.5	-32.7	37.8	29.38	54.0	19.5	V
15945.200	37.3	-27.7	40.6	24.42	54.0	16.7	V
17953.800	38.5	-26.1	41.3	23.30	54.0	15.5	V
17850.400	38.3	-26.3	41.2	23.46	54.0	15.7	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)
5453.200	36.4	-29.4	34.6	31.17	54.0	17.6	V
5458.400	36.3	-29.3	34.6	31.12	54.0	17.7	V
11199.800	35.3	-32.1	38.0	29.39	54.0	18.7	V
15947.400	37.3	-27.7	40.6	24.41	54.0	16.7	H
17854.800	38.4	-26.3	41.2	23.59	54.0	15.6	H
17950.500	38.5	-26.1	41.3	23.37	54.0	15.5	H

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5449.800	36.3	-29.4	34.6	31.16	54.0	17.7	V
5453.200	36.3	-29.4	34.6	31.14	54.0	17.7	H
11401.100	34.9	-32.3	38.1	29.12	54.0	19.1	V
15943.000	37.5	-27.7	40.6	24.56	54.0	16.5	V
17762.400	38.1	-26.5	41.1	23.46	54.0	15.9	H
17953.800	38.4	-26.1	41.3	23.26	54.0	15.6	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)
5149.800	43.5	-29.7	34.3	38.90	54.0	10.5	H
5150.000	43.5	-29.7	34.3	38.97	54.0	10.5	H
12254.700	34.7	-31.5	38.9	27.33	54.0	19.3	V
15570.100	36.0	-28.8	40.1	24.71	54.0	18.0	V
17879.000	38.6	-26.3	41.2	23.69	54.0	15.4	V
17852.700	38.6	-26.3	41.2	23.78	54.0	15.4	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)
5148.200	37.5	-29.7	34.3	32.98	54.0	16.5	H
5351.800	36.6	-29.8	34.5	31.92	54.0	17.4	H
12215.100	34.3	-31.6	38.8	27.06	54.0	19.7	H
15690.000	36.2	-28.5	40.3	24.48	54.0	17.8	H
17860.300	38.6	-26.3	41.2	23.77	54.0	15.4	V
17859.300	38.6	-26.3	41.2	23.76	54.0	15.4	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)
5146.800	36.5	-29.7	34.3	31.98	54.0	17.5	H
5351.000	37.9	-29.8	34.5	33.19	54.0	16.1	H
11987.400	34.5	-31.7	38.8	27.40	54.0	19.5	V
15813.200	36.2	-28.3	40.4	24.04	54.0	17.8	V
17872.400	38.3	-26.3	41.2	23.44	54.0	15.7	H
17969.200	38.5	-26.1	41.3	23.27	54.0	15.5	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)
5350.000	42.9	-29.8	34.5	38.22	54.0	11.1	H
5350.600	42.8	-29.8	34.5	38.10	54.0	11.2	H
10611.300	34.6	-33.3	37.6	30.31	54.0	19.4	H
15929.800	37.2	-27.8	40.6	24.39	54.0	16.8	V
17850.400	38.3	-26.3	41.2	23.49	54.0	15.7	H
17949.400	38.4	-26.1	41.3	23.24	54.0	15.6	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)
5453.200	37.5	-29.4	34.6	32.34	54.0	16.5	H
5458.800	37.5	-29.3	34.6	32.26	54.0	16.5	V
11019.400	33.9	-32.6	37.8	28.70	54.0	20.1	H
15948.500	37.4	-27.7	40.6	24.46	54.0	16.6	H
17764.600	38.1	-26.5	41.1	23.46	54.0	15.9	V
17854.800	38.3	-26.3	41.2	23.48	54.0	15.7	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)
5452.600	36.5	-29.4	34.6	31.33	54.0	17.5	V
5457.000	36.5	-29.3	34.6	31.30	54.0	17.5	V
11180.000	34.7	-32.1	37.9	28.87	54.0	19.3	H
15954.000	37.3	-27.7	40.6	24.32	54.0	16.7	H
17862.500	38.4	-26.3	41.2	23.55	54.0	15.6	V
17965.900	38.3	-26.1	41.3	23.11	54.0	15.7	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)
5450.000	36.4	-29.4	34.6	31.22	54.0	17.6	H
5459.400	36.5	-29.3	34.6	31.23	54.0	17.5	H
11339.500	34.3	-32.2	38.1	28.45	54.0	19.7	H
15946.300	37.4	-27.7	40.6	24.46	54.0	16.6	V
17764.300	38.2	-26.5	41.1	23.55	54.0	15.8	V
17849.300	38.4	-26.3	41.2	23.53	54.0	15.6	H

802.11ac-HT40
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)
5149.400	40.9	-29.7	34.3	36.32	54.0	13.1	H
5149.800	40.9	-29.7	34.3	36.38	54.0	13.1	H
11681.600	34.5	-32.1	38.4	28.11	54.0	19.5	V
15570.100	36.0	-28.8	40.1	24.65	54.0	18.0	H
17763.500	38.4	-26.5	41.1	23.76	54.0	15.6	V
17879.000	38.6	-26.3	41.2	23.66	54.0	15.4	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)
5146.400	37.5	-29.7	34.3	32.91	54.0	16.5	H
5350.800	36.7	-29.8	34.5	31.96	54.0	17.3	H
12043.500	34.3	-31.7	38.8	27.21	54.0	19.7	H
15690.000	36.1	-28.5	40.3	24.36	54.0	17.9	H
17848.200	38.5	-26.4	41.2	23.66	54.0	15.5	H
17952.700	38.6	-26.1	41.3	23.44	54.0	15.4	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)
5147.400	36.2	-29.7	34.3	31.67	54.0	17.8	H
5351.400	36.9	-29.8	34.5	32.25	54.0	17.1	H
12445.000	35.0	-31.1	38.9	27.20	54.0	19.0	V
15812.100	36.2	-28.3	40.4	24.02	54.0	17.8	V
17805.300	37.7	-26.4	41.1	23.02	54.0	16.3	V
17981.300	38.5	-26.0	41.3	23.26	54.0	15.5	V

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	40.2	-29.8	34.5	35.55	54.0	13.8	H
5350.800	40.1	-29.8	34.5	35.41	54.0	13.9	H
10613.500	33.7	-33.3	37.6	29.48	54.0	20.3	H
15932.000	37.2	-27.8	40.6	24.37	54.0	16.8	V
17758.000	38.1	-26.5	41.1	23.45	54.0	15.9	V
17947.200	38.3	-26.1	41.3	23.13	54.0	15.7	V

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)
5457.800	37.6	-29.3	34.6	32.33	54.0	16.4	V
5459.200	37.6	-29.3	34.6	32.36	54.0	16.4	V
11020.500	33.4	-32.6	37.8	28.16	54.0	20.6	H
15950.700	37.3	-27.7	40.6	24.38	54.0	16.7	V
17762.400	38.2	-26.5	41.1	23.58	54.0	15.8	V
17874.600	38.4	-26.3	41.2	23.46	54.0	15.6	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)
5458.200	36.6	-29.3	34.6	31.39	54.0	17.4	H
5459.200	36.6	-29.3	34.6	31.39	54.0	17.4	H
11180.000	34.2	-32.1	37.9	28.39	54.0	19.8	H
15946.300	37.3	-27.7	40.6	24.39	54.0	16.7	H
17847.100	38.3	-26.4	41.2	23.43	54.0	15.7	V
17949.400	38.4	-26.1	41.3	23.25	54.0	15.6	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)
5456.000	36.5	-29.4	34.6	31.30	54.0	17.5	V
5461.200	36.5	-29.3	34.6	31.27	54.0	17.5	V
11339.500	34.0	-32.2	38.1	28.10	54.0	20.0	V
15936.400	37.3	-27.8	40.6	24.41	54.0	16.7	H
17763.500	38.2	-26.5	41.1	23.57	54.0	15.8	V
17853.700	38.5	-26.3	41.2	23.62	54.0	15.5	H

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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)
5144.800	38.5	-29.7	34.2	33.95	54.0	15.5	V
5148.400	38.6	-29.7	34.3	34.06	54.0	15.4	V
11956.600	34.8	-31.6	38.7	27.67	54.0	19.2	H
15629.500	36.2	-28.6	40.2	24.62	54.0	17.8	V
17765.700	38.1	-26.5	41.1	23.44	54.0	15.9	H
17949.400	38.4	-26.1	41.3	23.24	54.0	15.6	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)
5352.200	38.6	-29.8	34.5	33.93	54.0	15.4	V
5356.200	38.5	-29.8	34.5	33.77	54.0	15.5	V
11961.000	34.7	-31.6	38.8	27.56	54.0	19.3	V
15870.400	36.5	-28.0	40.5	24.03	54.0	17.5	H
17843.800	38.2	-26.4	41.2	23.39	54.0	15.8	V
17952.700	38.3	-26.1	41.3	23.19	54.0	15.7	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)
5453.400	36.8	-29.4	34.6	31.60	54.0	17.2	V
5457.200	36.8	-29.3	34.6	31.54	54.0	17.3	V
11060.100	33.2	-32.5	37.8	27.86	54.0	20.8	V
15944.100	37.4	-27.7	40.6	24.49	54.0	16.6	V
17767.900	38.1	-26.5	41.1	23.50	54.0	15.9	V
17860.300	38.4	-26.3	41.2	23.56	54.0	15.6	V

Peak
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)
5137.410	60.6	-29.7	34.2	56.02	74.0	13.4	H
5148.435	59.7	-29.7	34.3	55.14	74.0	14.3	H
10357.750	56.7	-33.1	37.4	52.31	68.3	11.6	V
15539.850	49.2	-28.8	40.1	37.96	74.0	24.8	V
16954.450	53.5	-27.1	41.7	38.96	68.3	14.8	V
17038.600	53.1	-27.0	41.6	38.54	68.3	15.2	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)
5143.600	52.3	-29.7	34.2	47.75	68.3	16.0	H
5274.000	53.1	-29.8	34.4	48.46	68.3	15.2	V
10400.100	55.5	-33.2	37.5	51.19	68.3	12.8	H
15599.800	49.8	-28.7	40.1	38.36	74.0	24.2	V
16919.250	52.3	-27.2	41.6	37.87	68.3	16.0	V
17055.650	52.5	-27.0	41.6	37.94	68.3	15.8	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)
5170.200	54.4	-29.8	34.3	49.89	68.3	13.9	H
5304.000	55.3	-29.8	34.4	50.67	68.3	13.0	H
10479.850	56.3	-33.1	37.5	51.89	68.3	12.0	V
15720.250	48.7	-28.5	40.3	36.91	74.0	25.3	V
17028.700	53.6	-27.0	41.7	38.97	68.3	14.7	H
17149.150	53.2	-26.9	41.5	38.71	68.3	15.1	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)
5222.000	59.5	-29.8	34.3	54.91	68.3	8.8	H
5304.400	59.0	-29.8	34.4	54.40	68.3	9.3	H
10520.000	56.4	-33.1	37.5	51.95	68.3	11.9	H
15781.300	49.6	-28.4	40.4	37.55	74.0	24.4	V
16705.300	52.7	-27.4	41.4	38.77	68.3	15.6	H
16996.250	53.4	-27.1	41.7	38.77	68.3	14.9	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)
5241.800	55.0	-29.7	34.3	50.40	68.3	13.3	H
5320.200	55.5	-29.8	34.4	50.87	68.3	12.8	H
10560.150	56.5	-33.2	37.5	52.13	68.3	11.8	V
15840.150	50.7	-28.2	40.5	38.36	74.0	23.3	V
16916.500	53.1	-27.2	41.6	38.69	68.3	15.2	V
17047.950	53.3	-27.0	41.6	38.72	68.3	15.0	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)
5350.164	61.3	-29.8	34.5	56.60	74.0	12.7	H
5350.556	61.2	-29.8	34.5	56.55	74.0	12.8	H
10638.800	55.2	-33.3	37.6	50.94	74.0	18.8	V
15960.050	50.0	-27.7	40.6	37.01	74.0	24.0	H
16726.750	52.7	-27.4	41.4	38.64	68.3	15.6	H
17045.750	52.8	-27.0	41.6	38.21	68.3	15.5	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)
5449.945	56.0	-29.4	34.6	50.78	74.0	18.0	V
5457.063	56.3	-29.3	34.6	51.04	74.0	17.7	V
10997.400	53.2	-32.7	37.8	48.05	74.0	20.8	V
16500.150	49.5	-27.6	41.2	35.89	68.3	18.8	V
16946.750	53.3	-27.1	41.6	38.77	68.3	15.0	V
17420.850	52.1	-26.8	41.0	37.87	68.3	16.2	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)
5564.200	59.8	-29.1	34.7	54.25	68.3	8.5	V
5634.000	60.4	-28.8	34.7	54.46	68.3	7.9	V
11198.700	57.6	-32.1	38.0	51.70	74.0	16.4	V
16799.900	49.7	-27.3	41.5	35.49	68.3	18.6	H
17037.500	53.4	-27.0	41.6	38.79	68.3	14.9	V
17353.750	52.4	-26.8	41.1	38.08	68.3	15.9	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)
5734.725	66.1	-28.8	34.8	60.06	68.3	2.2	V
5741.488	59.8	-28.8	34.8	53.69	68.3	8.6	V
11403.850	54.1	-32.3	38.1	48.29	74.0	19.9	H
17100.200	50.8	-27.0	41.5	36.22	68.3	17.5	V
17269.050	52.3	-26.9	41.3	37.93	68.3	16.0	H
17666.700	51.9	-26.6	41.0	37.47	68.3	16.4	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)
5145.810	59.6	-29.7	34.3	55.03	74.0	14.4	H
5148.488	60.2	-29.7	34.3	55.61	74.0	13.8	H
10362.500	56.2	-33.1	37.4	51.80	68.3	12.1	V
15539.850	48.6	-28.8	40.1	37.43	74.0	25.4	H
16432.500	52.7	-27.6	41.1	39.22	68.3	15.6	H
17026.500	53.0	-27.0	41.7	38.35	68.3	15.3	V

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)
5158.600	56.5	-29.7	34.3	51.92	68.3	11.8	H
5247.000	56.3	-29.8	34.4	51.67	68.3	12.0	H
10396.250	56.5	-33.2	37.5	52.23	68.3	11.8	V
15599.800	48.8	-28.7	40.1	37.39	74.0	25.2	V
17034.750	52.8	-27.0	41.6	38.16	68.3	15.5	H
17258.600	52.4	-26.9	41.3	38.00	68.3	15.9	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)
5188.400	57.2	-29.8	34.3	52.69	68.3	11.1	H
5294.200	58.4	-29.8	34.4	53.79	68.3	9.9	H
10484.250	56.8	-33.1	37.5	52.39	68.3	11.5	V
15720.250	48.7	-28.5	40.3	36.89	74.0	25.3	H
16754.250	53.0	-27.4	41.5	38.89	68.3	15.3	V
17056.750	52.9	-27.0	41.6	38.30	68.3	15.4	H

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5215.200	59.7	-29.8	34.3	55.15	68.3	8.6	H
5306.400	60.4	-29.8	34.4	55.80	68.3	7.9	H
10514.500	55.0	-33.1	37.5	50.58	68.3	13.3	H
15780.200	48.9	-28.4	40.4	36.91	74.0	25.1	H
17033.100	52.7	-27.0	41.6	38.06	68.3	15.6	V
17251.450	53.2	-26.9	41.3	38.78	68.3	15.1	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)
5236.600	58.3	-29.7	34.3	53.69	68.3	10.0	H
5327.800	60.3	-29.8	34.4	55.68	68.3	8.0	H
10561.250	56.2	-33.2	37.5	51.86	68.3	12.1	V
15840.150	49.6	-28.2	40.5	37.32	74.0	24.4	H
17060.600	52.9	-27.0	41.6	38.33	68.3	15.4	H
17449.450	52.4	-26.8	41.0	38.18	68.3	15.9	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)
5352.702	61.0	-29.8	34.5	56.33	74.0	13.0	H
5355.753	65.1	-29.8	34.5	60.39	74.0	8.9	H
10638.800	54.7	-33.3	37.6	50.42	74.0	19.3	V
15961.700	52.0	-27.6	40.6	38.95	74.0	22.0	H
16867.000	52.3	-27.2	41.6	37.96	68.3	16.0	V
17173.900	52.5	-26.9	41.4	38.06	68.3	15.8	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)
5446.600	65.3	-29.4	34.5	60.19	74.0	8.7	V
5450.508	58.8	-29.4	34.6	53.67	74.0	15.2	V
10999.600	50.1	-32.7	37.8	44.96	74.0	23.9	V
16500.150	49.2	-27.6	41.2	35.62	68.3	19.1	V
16946.200	52.3	-27.1	41.6	37.79	68.3	16.0	H
17461.550	51.8	-26.8	41.0	37.60	68.3	16.5	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)
5564.200	59.1	-29.1	34.7	53.58	68.3	9.2	V
5640.000	58.7	-28.8	34.7	52.70	68.3	9.7	V
11200.900	53.7	-32.1	38.0	47.78	74.0	20.3	V
16799.900	50.8	-27.3	41.5	36.59	68.3	17.5	H
16950.600	52.7	-27.1	41.7	38.18	68.3	15.6	V
17344.400	52.1	-26.8	41.1	37.79	68.3	16.2	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)
5739.313	59.3	-28.8	34.8	53.24	68.3	9.0	V
5742.000	59.1	-28.8	34.8	53.00	68.3	9.2	V
11400.550	52.2	-32.3	38.1	46.45	74.0	21.8	H
17100.200	50.5	-27.0	41.5	35.93	68.3	17.8	V
17368.600	51.8	-26.8	41.1	37.56	68.3	16.5	V
17629.300	52.1	-26.7	41.0	37.75	68.3	16.2	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)
5144.445	57.2	-29.7	34.2	52.64	74.0	16.8	H
5147.298	57.4	-29.7	34.3	52.81	74.0	16.6	H
10357.750	52.1	-33.1	37.4	47.77	68.3	16.2	V
15539.850	48.6	-28.8	40.1	37.40	74.0	25.4	H
16378.050	52.7	-27.6	41.1	39.17	68.3	15.6	V
17044.650	52.9	-27.0	41.6	38.34	68.3	15.4	V

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)
5161.200	57.9	-29.7	34.3	53.40	68.3	10.4	H
5239.800	59.0	-29.7	34.3	54.42	68.3	9.3	H
10394.600	53.6	-33.2	37.5	49.32	68.3	14.7	V
15599.800	49.0	-28.7	40.1	37.59	74.0	25.0	H
16755.350	53.0	-27.4	41.5	38.88	68.3	15.3	H
17066.650	53.2	-27.0	41.6	38.58	68.3	15.1	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)
5209.200	54.2	-29.8	34.3	49.61	68.3	14.1	H
5278.800	54.2	-29.8	34.4	49.60	68.3	14.1	H
10475.450	53.5	-33.1	37.5	49.13	68.3	14.8	V
15720.250	49.5	-28.5	40.3	37.69	74.0	24.5	H
16852.150	52.9	-27.2	41.6	38.62	68.3	15.4	H
17111.200	52.8	-27.0	41.5	38.24	68.3	15.5	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)
5234.200	57.1	-29.7	34.3	52.55	68.3	11.2	H
5285.200	57.9	-29.8	34.4	53.30	68.3	10.4	H
10518.350	53.8	-33.1	37.5	49.39	68.3	14.5	H
15781.850	49.3	-28.4	40.4	37.28	74.0	24.7	V
16941.250	53.2	-27.1	41.6	38.67	68.3	15.1	V
17339.450	52.5	-26.8	41.2	38.17	68.3	15.8	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)
5252.600	58.0	-29.8	34.4	53.38	68.3	10.3	H
5309.000	57.2	-29.8	34.4	52.58	68.3	11.1	H
10558.500	52.5	-33.2	37.5	48.16	68.3	15.8	V
15841.250	49.2	-28.2	40.5	36.93	74.0	24.8	V
17057.850	52.2	-27.0	41.6	37.60	68.3	16.1	V
17357.600	52.1	-26.8	41.1	37.79	68.3	16.2	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)
5352.500	64.1	-29.8	34.5	59.36	74.0	9.9	H
5358.115	62.4	-29.8	34.5	57.69	74.0	11.6	H
10639.900	49.7	-33.3	37.6	45.44	74.0	24.3	H
15961.150	52.1	-27.6	40.6	39.14	74.0	21.9	H
16911.000	52.6	-27.2	41.6	38.14	68.3	15.7	V
17110.650	52.3	-27.0	41.5	37.73	68.3	16.0	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5457.843	57.3	-29.3	34.6	52.03	74.0	16.8	V
5458.525	57.5	-29.3	34.6	52.26	74.0	16.5	V
11000.150	46.4	-32.7	37.8	41.28	74.0	27.6	V
16500.150	50.5	-27.6	41.2	36.88	68.3	17.8	V
17093.050	52.4	-27.0	41.5	37.84	68.3	15.9	H
17574.850	52.1	-26.7	41.0	37.88	68.3	16.2	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)
5563.400	54.5	-29.1	34.7	48.98	68.3	13.8	V
5640.200	55.5	-28.8	34.7	49.55	68.3	12.8	V
11200.350	48.6	-32.1	38.0	42.73	74.0	25.4	H
16799.900	49.8	-27.3	41.5	35.63	68.3	18.5	H
16989.650	52.7	-27.1	41.7	38.07	68.3	15.6	V
17091.950	52.4	-27.0	41.6	37.84	68.3	15.9	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)
5729.250	57.9	-28.8	34.8	51.84	68.3	10.4	V
5730.763	58.4	-28.8	34.8	52.32	68.3	9.9	V
11398.900	48.4	-32.3	38.1	42.59	74.0	25.6	V
17100.200	50.2	-27.0	41.5	35.58	68.3	18.1	H
17298.750	52.0	-26.9	41.2	37.65	68.3	16.3	V
17676.355	51.6	-26.6	41.0	37.19	68.3	16.7	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)
5148.960	60.8	-29.7	34.3	56.29	74.0	13.2	H
5149.660	58.9	-29.7	34.3	54.34	74.0	15.1	H
10379.200	48.3	-33.1	37.5	43.92	68.3	20.0	H
15573.400	49.5	-28.8	40.1	38.19	74.0	24.5	V
16705.300	52.5	-27.4	41.4	38.57	68.3	15.8	V
17001.200	52.7	-27.1	41.7	38.08	68.3	15.6	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)
5185.800	51.6	-29.8	34.3	47.13	68.3	16.7	H
5258.600	53.7	-29.8	34.4	49.07	68.3	14.6	H
10446.850	49.3	-33.1	37.5	44.98	68.3	19.0	H
15690.000	49.1	-28.5	40.3	37.33	74.0	24.9	V
16651.950	52.6	-27.5	41.4	38.82	68.3	15.7	H
17190.950	52.5	-26.9	41.4	38.05	68.3	15.8	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)
5243.200	56.2	-29.8	34.3	51.63	68.3	12.1	H
5297.800	57.5	-29.8	34.4	52.89	68.3	10.8	H
10553.000	49.4	-33.2	37.5	45.01	68.3	18.9	H
15810.450	49.5	-28.3	40.4	37.33	74.0	24.6	V
16950.050	52.8	-27.1	41.7	38.23	68.3	15.5	V
17272.350	52.0	-26.9	41.3	37.59	68.3	16.3	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)
5352.851	58.7	-29.8	34.5	54.04	74.0	15.3	H
5365.419	61.1	-29.8	34.5	56.43	74.0	12.9	H
10620.100	47.0	-33.3	37.6	42.78	74.0	27.0	V
15929.800	50.4	-27.8	40.6	37.59	74.0	23.6	V
16852.700	52.2	-27.2	41.6	37.92	68.3	16.1	H
17356.500	52.2	-26.8	41.1	37.92	68.3	16.1	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)
5456.560	55.4	-29.3	34.6	50.20	74.0	18.6	V
5458.720	56.2	-29.3	34.6	51.02	74.0	17.8	V
11019.950	46.3	-32.6	37.8	41.06	74.0	27.7	V
16529.800	50.8	-27.6	41.2	37.18	68.3	17.5	V
17028.700	52.6	-27.0	41.7	37.98	68.3	15.7	H
17321.850	52.4	-26.9	41.2	38.06	68.3	15.9	V

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5514.400	52.0	-29.1	34.6	46.48	68.3	16.3	V
5653.400	55.2	-28.8	34.8	49.18	68.3	13.1	V
11180.000	47.3	-32.1	37.9	41.43	74.0	26.7	H
16770.200	49.6	-27.3	41.5	35.42	68.3	18.7	H
17076.000	52.3	-27.0	41.6	37.67	68.3	16.0	H
17469.800	52.0	-26.7	40.9	37.82	68.3	16.3	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)
5725.513	61.7	-28.8	34.8	55.62	68.3	6.6	V
5728.250	59.5	-28.8	34.8	53.52	68.3	8.8	V
11340.050	46.4	-32.2	38.1	40.50	74.0	27.6	V
17010.000	50.5	-27.1	41.7	35.87	68.3	17.8	H
17242.650	51.7	-26.9	41.3	37.25	68.3	16.6	H
17448.350	51.8	-26.8	41.0	37.54	68.3	16.5	V

802.11ac-HT40

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)
5137.760	62.7	-29.7	34.2	58.13	74.0	11.3	H
5141.733	64.4	-29.7	34.2	59.86	74.0	9.6	H
10379.750	47.3	-33.1	37.5	42.94	68.3	21.0	H
15570.100	48.8	-28.8	40.1	37.49	74.0	25.2	H
16587.050	52.4	-27.6	41.3	38.67	68.3	15.9	V
17246.500	52.3	-26.9	41.3	37.86	68.3	16.0	V

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)
5189.600	52.0	-29.8	34.3	47.54	68.3	16.3	H
5278.600	52.3	-29.8	34.4	47.69	68.3	16.0	H
10460.050	46.0	-33.1	37.5	41.69	68.3	22.3	H
15690.000	48.5	-28.5	40.3	36.73	74.0	25.5	H
16852.100	52.4	-27.2	41.6	38.10	68.3	15.9	H
17328.450	52.2	-26.9	41.2	37.93	68.3	16.1	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)
5242.600	58.6	-29.8	34.3	53.97	68.3	9.7	H
5296.200	58.0	-29.8	34.4	53.44	68.3	10.3	H
10537.050	48.6	-33.1	37.5	44.27	68.3	19.7	H
15811.550	49.7	-28.3	40.4	37.56	74.0	24.3	H
17008.350	52.9	-27.1	41.7	38.23	68.3	15.4	H
17359.250	52.7	-26.8	41.1	38.40	68.3	15.6	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)
5359.142	62.6	-29.8	34.5	57.88	74.0	11.4	H
5391.164	61.6	-29.7	34.5	56.86	74.0	12.4	H
10620.100	46.2	-33.3	37.6	41.93	74.0	27.8	V
15929.250	50.4	-27.8	40.6	37.54	74.0	23.6	H
17047.950	52.5	-27.0	41.6	37.86	68.3	15.8	H
17671.650	53.5	-26.6	41.0	39.09	68.3	14.8	V

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)
5447.350	60.8	-29.4	34.5	55.64	74.0	13.2	V
5452.458	58.3	-29.4	34.6	53.10	74.0	15.7	V
11019.950	44.5	-32.6	37.8	39.30	74.0	29.5	H
16529.850	49.1	-27.6	41.2	35.50	68.3	19.2	H
16963.250	52.5	-27.1	41.7	37.90	68.3	15.8	V
17475.850	51.9	-26.7	40.9	37.73	68.3	16.4	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)
5557.400	53.8	-29.2	34.7	48.26	68.3	14.5	V
5630.200	54.4	-28.8	34.7	48.45	68.3	13.9	V
11180.000	45.5	-32.1	37.9	39.64	74.0	28.5	H
16770.200	49.7	-27.3	41.5	35.60	68.3	18.6	H
16966.550	52.6	-27.1	41.7	38.04	68.3	15.7	H
17652.950	51.8	-26.6	41.0	37.39	68.3	16.5	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)
5734.650	56.0	-28.8	34.8	49.96	68.3	12.3	V
5740.488	54.9	-28.8	34.8	48.87	68.3	13.4	V
11340.050	46.0	-32.2	38.1	40.07	74.0	28.1	V
17010.000	51.5	-27.1	41.7	36.86	68.3	16.8	H
17399.950	52.2	-26.8	41.1	37.95	68.3	16.1	V
17649.100	51.7	-26.6	41.0	37.31	68.3	16.6	V

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)
5128.503	55.7	-29.6	34.2	51.09	74.0	18.3	V
5138.145	56.2	-29.7	34.2	51.63	74.0	17.8	V
10419.900	44.8	-33.2	37.5	40.51	68.3	23.5	H
15630.050	48.6	-28.6	40.2	37.07	74.0	25.4	V
16550.200	52.2	-27.6	41.3	38.57	68.3	16.1	H
17061.700	52.2	-27.0	41.6	37.65	68.3	16.1	V

Channel 58

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.096	53.0	-29.8	34.5	48.35	74.0	21.0	V
5352.824	53.4	-29.8	34.5	48.72	74.0	20.6	V
10579.950	45.1	-33.2	37.5	40.84	68.3	23.2	H
15869.850	48.8	-28.0	40.5	36.29	74.0	25.2	V
16926.400	51.8	-27.2	41.6	37.30	68.3	16.5	V
17352.100	51.9	-26.8	41.1	37.58	68.3	16.4	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)
5457.783	51.4	-29.3	34.6	46.18	74.0	22.6	V
5459.860	52.3	-29.3	34.6	47.06	74.0	21.7	V
11060.100	45.5	-32.5	37.8	40.19	74.0	28.5	V
16589.800	49.0	-27.6	41.3	35.31	68.3	19.3	V
17007.250	51.9	-27.1	41.7	37.26	68.3	16.4	H
17431.300	51.8	-26.8	41.0	37.54	68.3	16.5	V

Sample calculation: 802.11ac 80MHz CH106–Peak, 5457.783MHz

$$\text{Peak ERP} = P_{\text{Mea}}(46.18 \text{ dBuV/m}) + \text{Cable Loss}(-29.3\text{dB}) + \text{Antenna Factor}(34.6 \text{ dB/m}) = 51.4 \text{ dBuV/m}$$

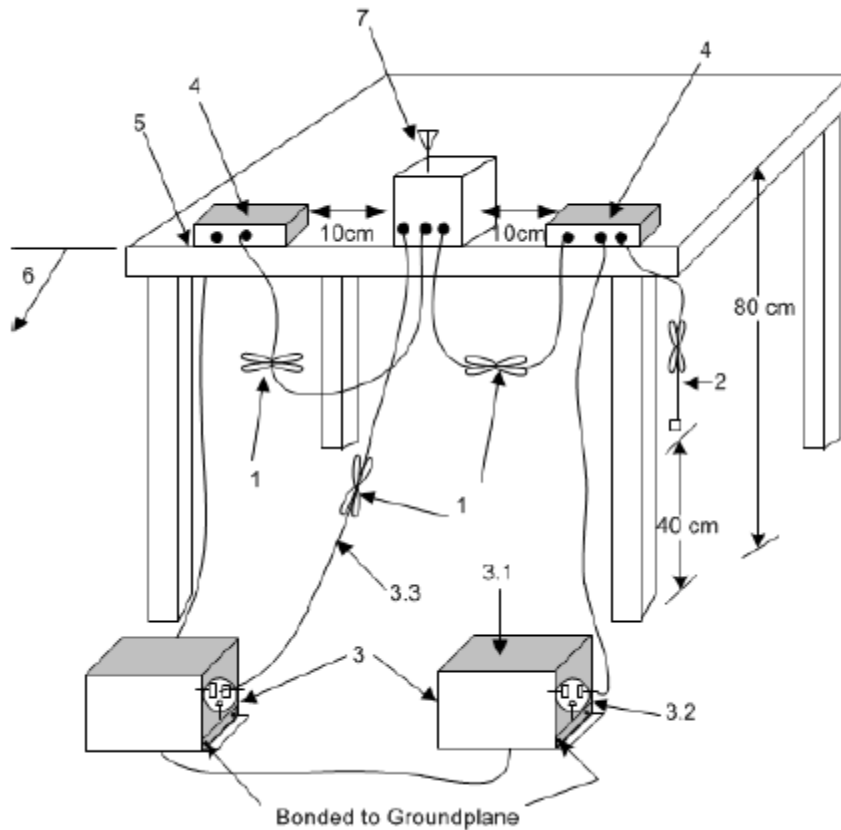
A.7. AC Powerline Conducted Emission (150kHz- 30MHz)

Method of Measurement: See ANSI C63.10-clause 6.2

Setup:

A stand-alone EUT shall be placed in the center along the back edge of the tabletop. For multiunit tabletop systems, the EUT shall be centered laterally (left to right facing the tabletop) on the tabletop and its rear shall be flush with the rear of the table.

Accessories that are part of an EUT system tested on a tabletop shall be placed in a test arrangement on one or both sides of the host with a 10 cm separation between the nearest points of the cabinets. The rear of the host and accessories shall be flush with the back of the supporting tabletop unless that would not be typical of normal use. If more than two accessories are present, then an equipment test arrangement shall be chosen that maintains 10 cm spacing between cabinets unless the equipment is normally located closer together.



Exploratory ac power-line conducted emission measurements

Exploratory measurements shall be used to identify the frequency of the emission that has the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable positions, and with a typical system equipment configuration and arrangement. For each mode of operation and for each ac power current-carrying conductor, cable manipulation shall be performed within the range of likely configurations. For this measurement or series of measurements, the frequency spectrum of interest shall be monitored looking for the emission that has the highest amplitude relative to the limit. Once that emission is found for each current-carrying conductor of each power cord associated with the EUT (but not the cords associated with non-EUT equipment in the overall system), the one configuration and

arrangement and mode of operation that produces the emission closest to the limit over all of the measured conductors shall be recorded.

Final ac power-line conducted emission measurements

Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT. If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation. If the EUT is composed of equipment units that have their own separate ac power connections (e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network), then each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be measured separately. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

EUT ID: EUT4
WLAN (Quasi-peak Limit)

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

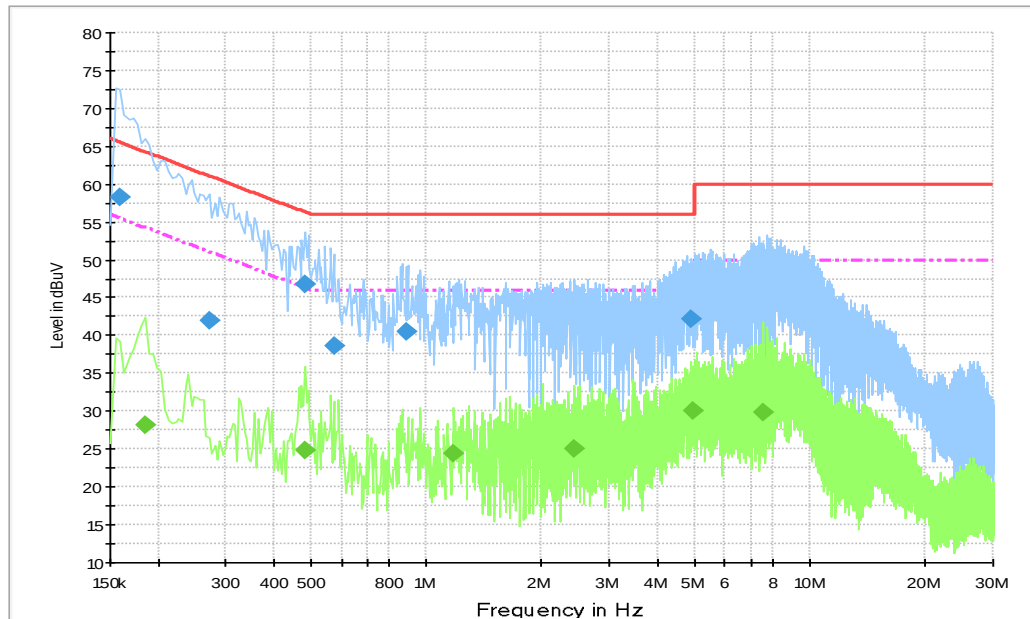


Fig.57 Conducted Emission(802.11a, Ch40, TX) ,

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.159000	58.3	N	26.9	7.2	65.5
0.271500	42.1	N	19.8	19.0	61.1
0.483000	46.7	L1	19.8	9.6	56.3
0.573000	38.7	L1	19.8	17.3	56.0
0.888000	40.5	L1	19.7	15.5	56.0
4.893000	42.2	L1	19.7	13.8	56.0

Final Result 2

Frequency (MHz)	Average (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.186000	28.2	N	22.0	26.1	54.2
0.483000	24.9	L1	19.8	21.4	46.3
1.180500	24.3	L1	19.6	21.7	46.0
2.418000	25.0	L1	19.6	21.0	46.0
4.924500	30.0	L1	19.7	16.0	46.0
7.512000	29.9	L1	19.7	20.1	50.0

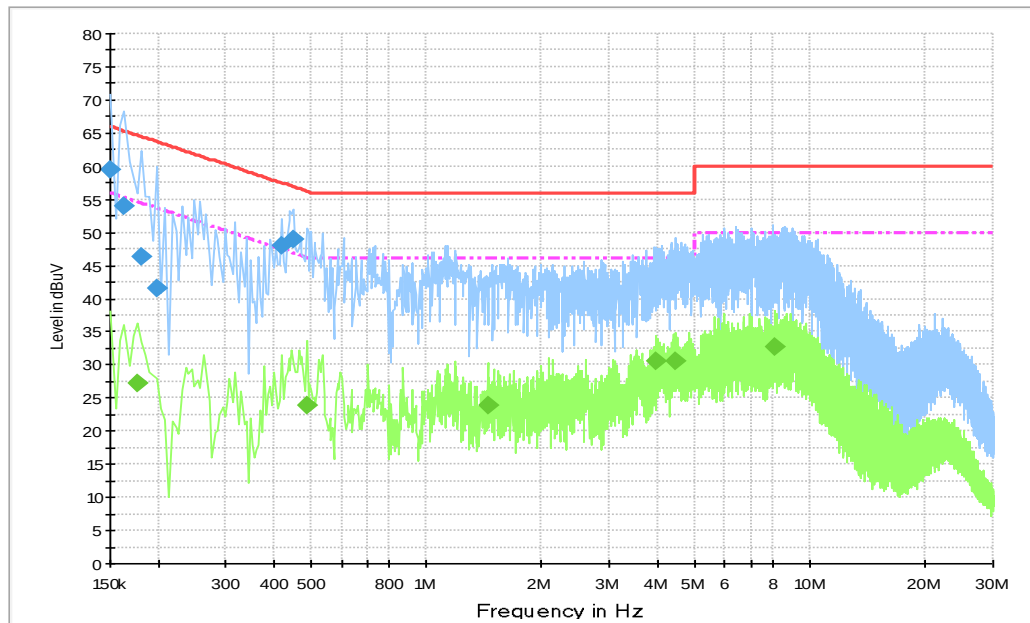


Fig.58 Conducted Emission(802.11a, IDLE)

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	59.5	N	28.6	6.5	66.0
0.163500	54.1	L1	26.0	11.2	65.3
0.181500	46.3	L1	22.8	18.1	64.4
0.199500	41.6	L1	19.8	22.1	63.6
0.420000	47.9	L1	19.8	9.5	57.4
0.451500	49.0	L1	19.8	7.8	56.8

Final Result 2

Frequency (MHz)	Average (dBuV)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.177000	27.3	L1	23.5	27.3	54.6
0.487500	23.9	L1	19.8	22.3	46.2
1.446000	23.9	L1	19.6	22.1	46.0
3.975000	30.7	L1	19.6	15.3	46.0
4.443000	30.5	L1	19.6	15.5	46.0
8.137500	32.7	L1	19.7	17.3	50.0

A.8. 99% Occupied bandwidth

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

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

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.59	17.36	P
	5200 MHz	Fig.60	17.36	P
	5240 MHz	Fig.61	17.32	P
802.11n HT20	5180 MHz	Fig.62	18.40	P
	5200 MHz	Fig.63	18.44	P
	5240 MHz	Fig.64	18.44	P
802.11n HT40	5190 MHz	Fig.65	36.40	P
	5230 MHz	Fig.66	36.40	P
802.11ac HT80	5210 MHz	Fig.67	76.00	P

Conclusion: PASS
Test graphs as below:

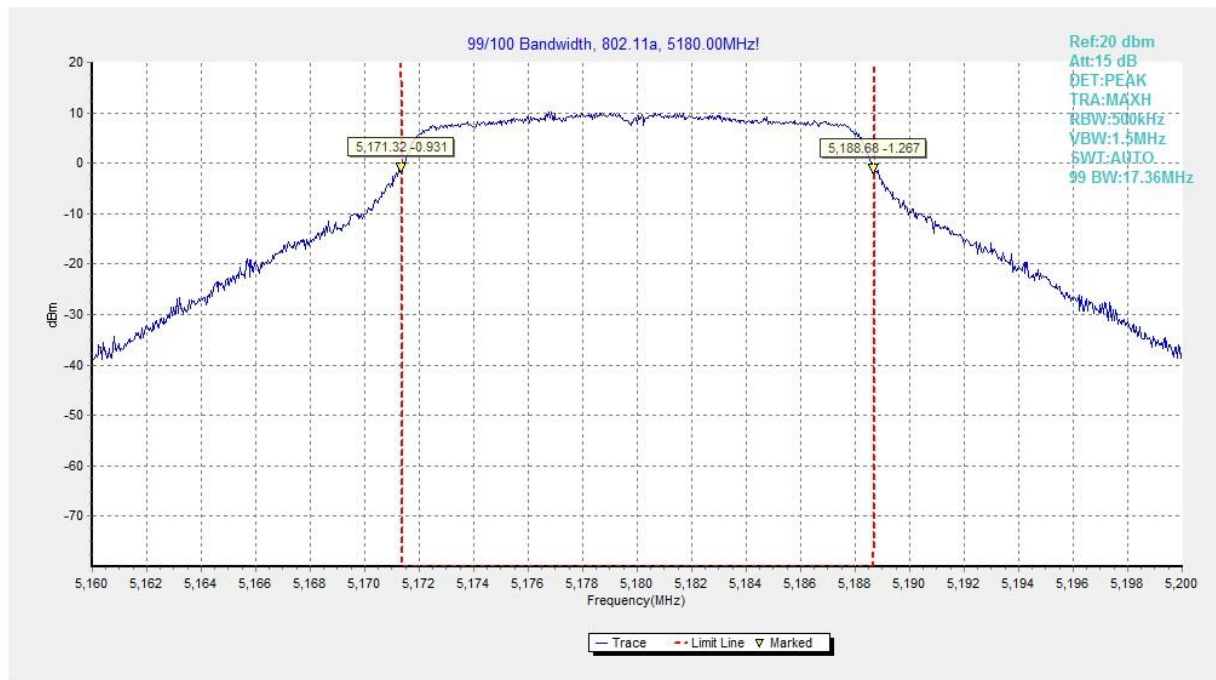


Fig.59 99% Occupied bandwidth (802.11a, 5180MHz)

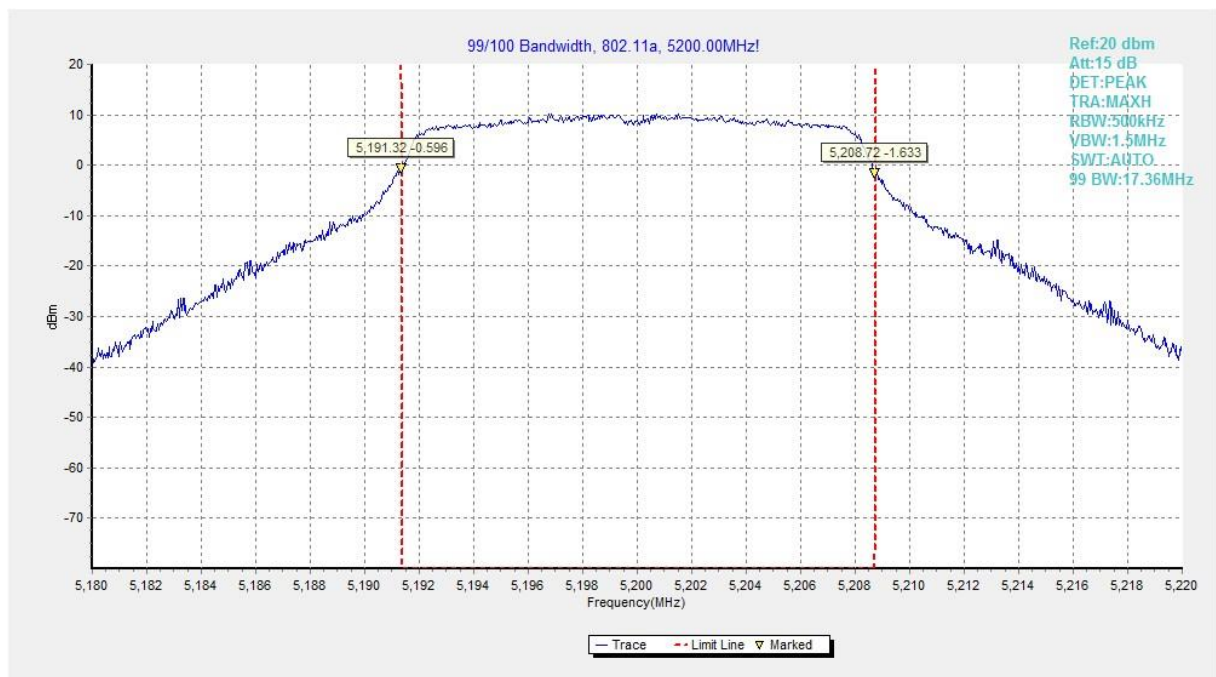


Fig.60 99% Occupied bandwidth (802.11a, 5200MHz)

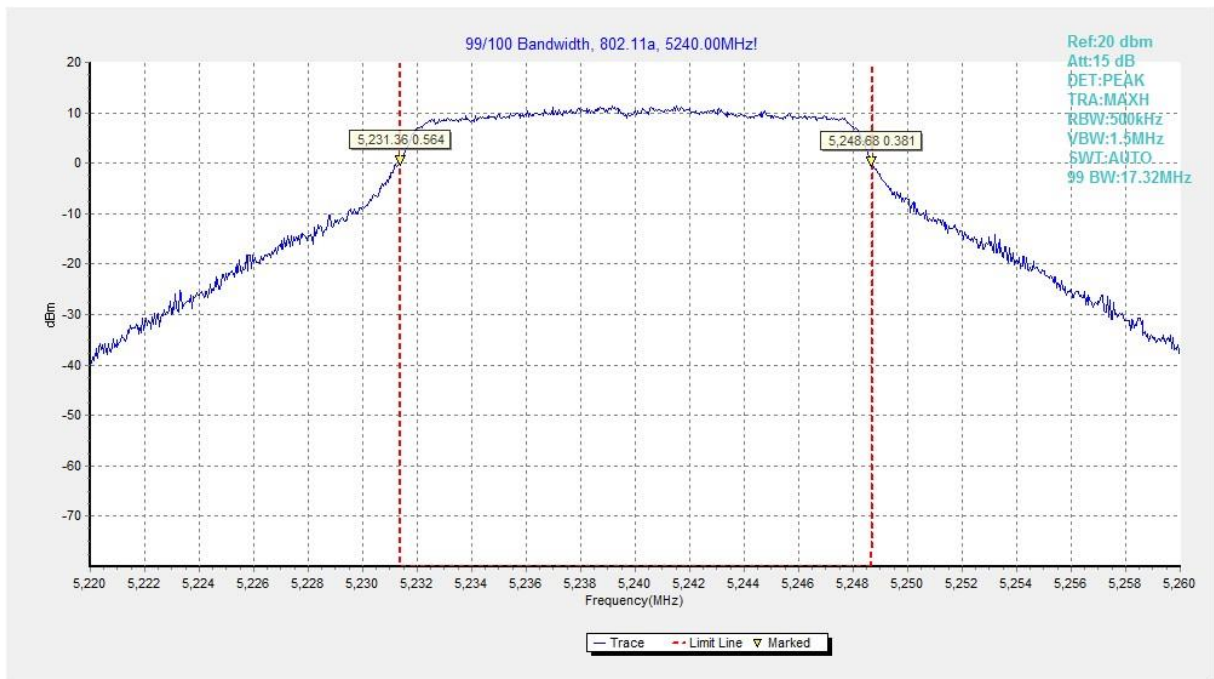


Fig.61 99% Occupied bandwidth (802.11a, 5240MHz)



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

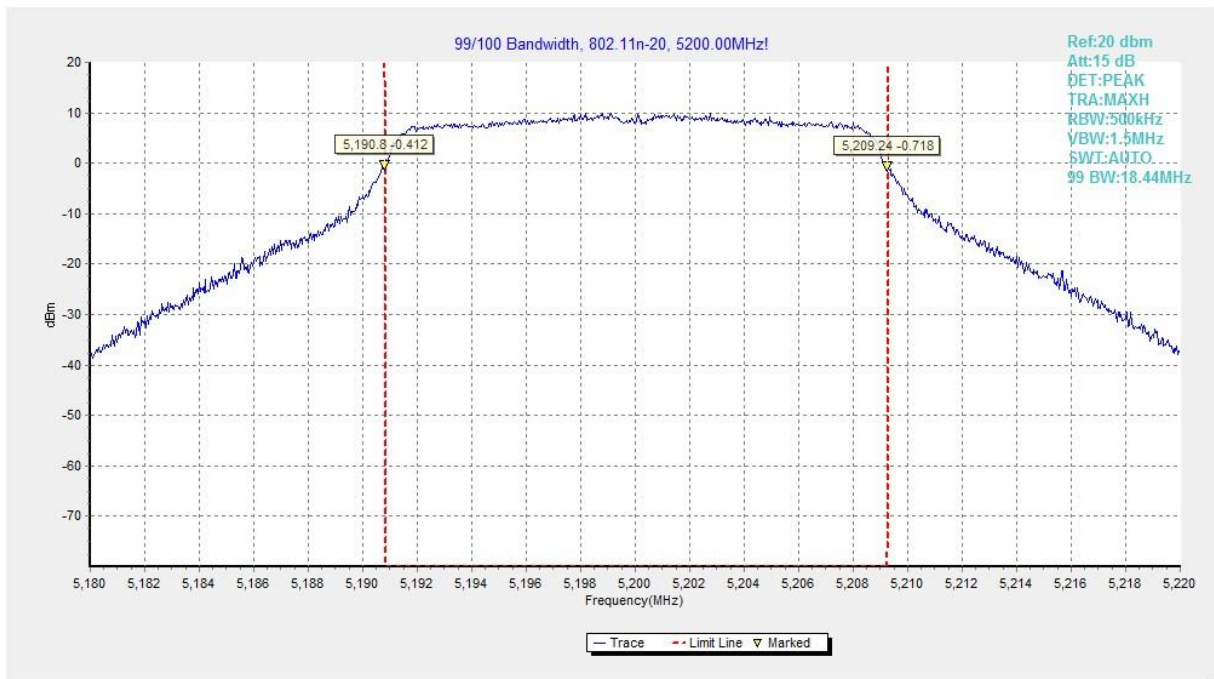


Fig.63 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

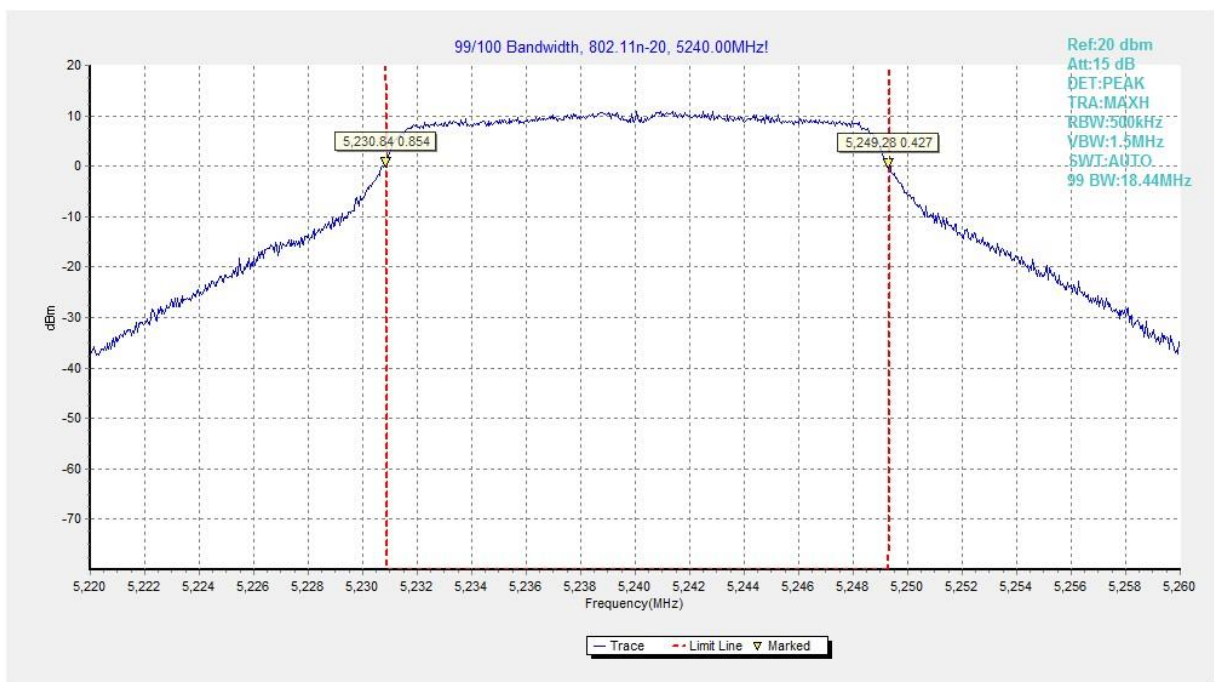


Fig.64 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

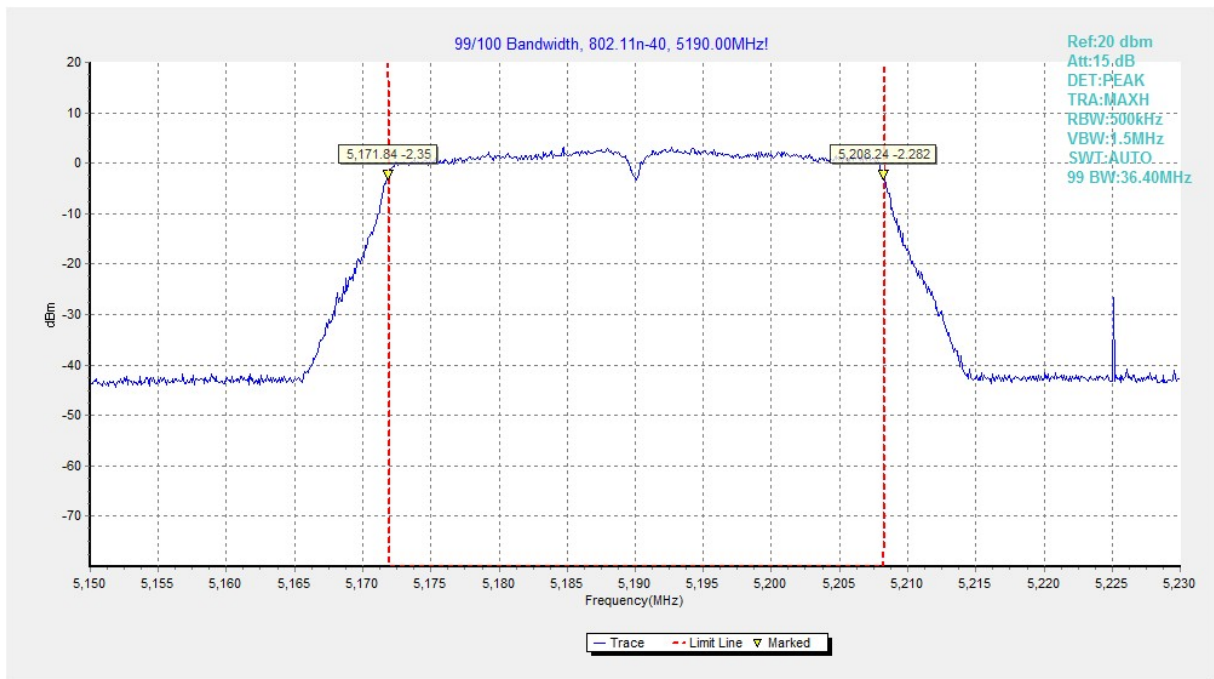


Fig.65 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

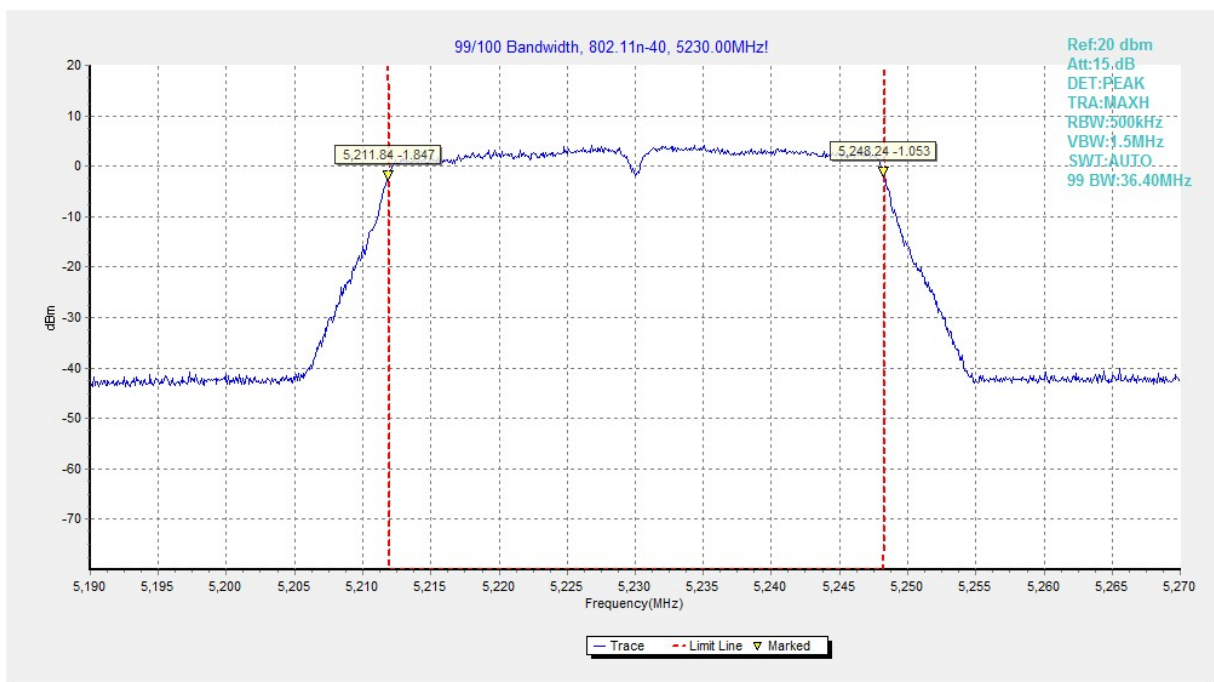


Fig.66 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

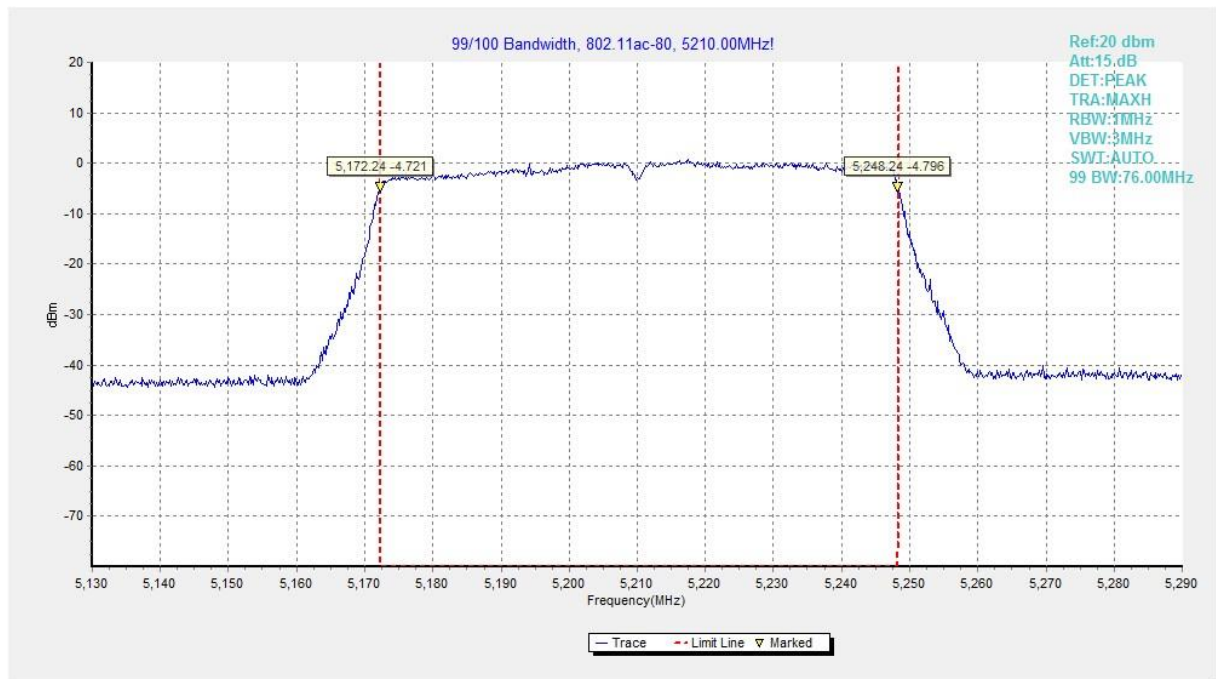


Fig.67 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

A.9. Power control

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

ANNEX B: EUT parameters

Disclaimer: The worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX C: Accreditation Certificate

United States Department of Commerce National Institute of Standards and Technology NVLAP® 	
Certificate of Accreditation to ISO/IEC 17025:2017	
NVLAP LAB CODE: 600118-0	
Telecommunication Technology Labs, CAICT Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
Electromagnetic Compatibility & Telecommunications	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).</i>	
2021-09-29 through 2022-09-30 <i>Effective Dates</i>	 For the National Voluntary Laboratory Accreditation Program

*** END OF REPORT BODY ***