

802.11n-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.000	42.45	-25.50	46.66	21.29	54.00	11.55	V
17967.500	42.28	-25.50	46.66	21.12	54.00	11.72	H
13330.500	37.67	-29.49	39.71	27.45	54.00	16.33	V
13289.200	37.65	-29.67	39.55	27.77	54.00	16.35	H
5149.600	46.88	-27.61	33.67	40.82	54.00	7.12	H
5149.200	46.60	-27.61	33.67	40.54	54.00	7.40	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.800	42.36	-25.50	46.66	21.20	54.00	11.64	V
17998.900	42.36	-25.50	46.66	21.20	54.00	11.64	H
13295.300	37.52	-29.49	39.71	27.30	54.00	16.48	V
13319.000	37.47	-29.49	39.71	27.25	54.00	16.53	V
11899.400	36.33	-31.85	39.05	29.13	54.00	17.67	V
11821.900	36.32	-31.85	39.05	29.12	54.00	17.68	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	42.22	-25.50	46.66	21.06	54.00	11.78	H
17989.000	42.18	-25.50	46.66	21.02	54.00	11.82	H
13360.800	37.78	-29.49	39.71	27.56	54.00	16.22	V
13369.000	37.67	-29.49	39.71	27.45	54.00	16.33	H
11806.500	36.23	-31.85	39.05	29.03	54.00	17.77	H
11823.000	36.23	-31.85	39.05	29.03	54.00	17.77	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.600	42.35	-25.50	46.66	21.19	54.00	11.65	H
17956.000	42.28	-25.50	46.66	21.12	54.00	11.72	H
13293.100	37.72	-29.49	39.71	27.50	54.00	16.28	V
13261.200	37.58	-29.67	39.55	27.70	54.00	16.42	V
11831.200	36.31	-31.85	39.05	29.11	54.00	17.69	V
11822.400	36.26	-31.85	39.05	29.06	54.00	17.74	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.200	42.24	-25.50	46.66	21.08	54.00	11.76	H
17972.000	42.16	-25.50	46.66	21.00	54.00	11.84	V
13255.700	37.54	-29.67	39.55	27.66	54.00	16.46	V
13315.600	37.53	-29.49	39.71	27.31	54.00	16.47	H
11842.200	36.36	-31.85	39.05	29.16	54.00	17.64	H
11792.200	36.22	-31.99	38.98	29.23	54.00	17.78	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.300	42.17	-25.50	46.66	21.01	54.00	11.83	H
17994.500	42.07	-25.50	46.66	20.91	54.00	11.93	H
13334.900	37.68	-29.49	39.71	27.46	54.00	16.32	V
13362.400	37.54	-29.49	39.71	27.32	54.00	16.46	V
5350.400	44.57	-27.43	34.01	37.99	54.00	9.43	H
5350.000	44.50	-27.43	34.01	37.92	54.00	9.50	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17987.300	42.35	-25.50	46.66	21.19	54.00	11.65	H
17919.200	42.25	-25.50	46.66	21.09	54.00	11.75	V
13281.000	37.91	-29.67	39.55	28.03	54.00	16.09	V
13287.000	37.86	-29.67	39.55	27.98	54.00	16.14	H
5459.400	42.49	-27.18	34.17	35.50	54.00	11.51	H
5459.200	42.48	-27.18	34.17	35.49	54.00	11.52	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.500	42.70	-25.50	46.66	21.54	54.00	11.30	H
17936.800	42.34	-25.50	46.66	21.18	54.00	11.66	V
13349.200	38.04	-29.49	39.71	27.82	54.00	15.96	H
13283.800	37.79	-29.67	39.55	27.91	54.00	16.21	V
11835.100	36.30	-31.85	39.05	29.10	54.00	17.70	H
11802.100	36.22	-31.85	39.05	29.02	54.00	17.78	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17988.500	42.51	-25.50	46.66	21.35	54.00	11.49	H
17973.000	42.47	-25.50	46.66	21.31	54.00	11.53	H
13322.200	37.81	-29.49	39.71	27.59	54.00	16.19	V
13347.000	37.76	-29.49	39.71	27.54	54.00	16.24	V
11882.900	36.39	-31.85	39.05	29.19	54.00	17.61	V
11860.900	36.36	-31.85	39.05	29.16	54.00	17.64	H

802.11n-HT40

Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.600	42.42	-25.50	46.66	21.26	54.00	11.58	H
17975.800	42.21	-25.50	46.66	21.05	54.00	11.79	H
13352.000	37.69	-29.49	39.71	27.47	54.00	16.31	V
13252.400	37.68	-29.67	39.55	27.80	54.00	16.32	V
5149.700	51.81	-27.61	33.67	45.75	54.00	2.19	H
5150.000	51.71	-27.61	33.67	45.65	54.00	2.29	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.200	42.31	-25.50	46.66	21.15	54.00	11.69	V
17994.500	42.24	-25.50	46.66	21.08	54.00	11.76	V
13311.800	37.56	-29.49	39.71	27.34	54.00	16.44	H
13372.900	37.52	-29.49	39.71	27.30	54.00	16.48	H
11796.600	36.39	-31.85	39.05	29.19	54.00	17.61	V
11802.100	36.37	-31.85	39.05	29.17	54.00	17.63	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17993.400	42.06	-25.50	46.66	20.90	54.00	11.94	H
17995.000	42.03	-25.50	46.66	20.87	54.00	11.97	V
13320.600	37.26	-29.49	39.71	27.04	54.00	16.74	V
13288.700	37.22	-29.67	39.55	27.34	54.00	16.78	H
11799.300	36.19	-31.85	39.05	28.99	54.00	17.81	H
11827.400	36.12	-31.85	39.05	28.92	54.00	17.88	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17980.800	42.21	-25.50	46.66	21.05	54.00	11.79	H
17994.000	42.18	-25.50	46.66	21.02	54.00	11.82	V
13252.400	37.61	-29.67	39.55	27.73	54.00	16.39	H
13351.400	37.61	-29.49	39.71	27.39	54.00	16.39	V
5350.100	48.66	-27.43	34.01	42.08	54.00	5.34	H
5350.500	48.47	-27.43	34.01	41.89	54.00	5.53	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.300	42.42	-25.50	46.66	21.26	54.00	11.58	H
17990.100	42.28	-25.50	46.66	21.12	54.00	11.72	V
13352.000	37.85	-29.49	39.71	27.63	54.00	16.15	V
13347.000	37.83	-29.49	39.71	27.61	54.00	16.17	H
5460.000	43.16	-27.18	34.17	36.17	54.00	10.84	H
5459.800	43.13	-27.18	34.17	36.14	54.00	10.87	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	42.47	-25.50	46.66	21.31	54.00	11.53	V
17963.700	42.28	-25.50	46.66	21.12	54.00	11.72	V
13293.600	38.09	-29.49	39.71	27.87	54.00	15.91	V
13354.100	38.00	-29.49	39.71	27.78	54.00	16.00	H
11819.700	36.35	-31.85	39.05	29.15	54.00	17.65	V
11889.500	36.32	-31.85	39.05	29.12	54.00	17.68	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.300	42.27	-25.50	46.66	21.11	54.00	11.73	V
17975.200	42.26	-25.50	46.66	21.10	54.00	11.74	V
13336.000	37.94	-29.49	39.71	27.72	54.00	16.06	H
13322.200	37.88	-29.49	39.71	27.66	54.00	16.12	V
11806.500	36.28	-31.85	39.05	29.08	54.00	17.72	H
11847.200	36.18	-31.85	39.05	28.98	54.00	17.82	H

802.11ac-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17993.400	42.37	-25.50	46.66	21.21	54.00	11.63	H
17970.300	42.33	-25.50	46.66	21.17	54.00	11.67	V
13364.000	37.75	-29.49	39.71	27.53	54.00	16.25	H
13294.200	37.69	-29.49	39.71	27.47	54.00	16.31	H
5148.500	43.81	-27.61	33.67	37.75	54.00	10.19	H
5148.900	43.79	-27.61	33.67	37.73	54.00	10.21	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17989.000	42.22	-25.50	46.66	21.06	54.00	11.78	H
17996.200	42.19	-25.50	46.66	21.03	54.00	11.81	H
13316.800	37.52	-29.49	39.71	27.30	54.00	16.48	H
13250.200	37.48	-29.67	39.55	27.60	54.00	16.52	H
11834.000	36.37	-31.85	39.05	29.17	54.00	17.63	H
11836.200	36.37	-31.85	39.05	29.17	54.00	17.63	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17978.500	42.21	-25.50	46.66	21.05	54.00	11.79	H
17969.200	42.20	-25.50	46.66	21.04	54.00	11.80	V
13349.200	37.71	-29.49	39.71	27.49	54.00	16.29	V
13279.400	37.57	-29.67	39.55	27.69	54.00	16.43	H
11789.400	36.30	-31.99	38.98	29.31	54.00	17.70	H
11807.600	36.30	-31.85	39.05	29.10	54.00	17.70	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.700	42.24	-25.50	46.66	21.08	54.00	11.76	V
17958.800	42.19	-25.50	46.66	21.03	54.00	11.81	V
13379.500	37.47	-29.49	39.71	27.25	54.00	16.53	V
13278.800	37.45	-29.67	39.55	27.57	54.00	16.55	V
11809.800	36.40	-31.85	39.05	29.20	54.00	17.60	H
11804.800	36.37	-31.85	39.05	29.17	54.00	17.63	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17962.600	42.23	-25.50	46.66	21.07	54.00	11.77	H
17996.700	42.15	-25.50	46.66	20.99	54.00	11.85	V
13308.500	37.59	-29.49	39.71	27.37	54.00	16.41	H
13259.000	37.52	-29.67	39.55	27.64	54.00	16.48	H
11846.100	36.33	-31.85	39.05	29.13	54.00	17.67	V
11830.700	36.23	-31.85	39.05	29.03	54.00	17.77	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17948.800	42.29	-25.50	46.66	21.13	54.00	11.71	H
17997.800	42.18	-25.50	46.66	21.02	54.00	11.82	H
13296.400	37.57	-29.49	39.71	27.35	54.00	16.43	V
13283.800	37.55	-29.67	39.55	27.67	54.00	16.45	V
5350.300	43.84	-27.43	34.01	37.26	54.00	10.16	H
5350.800	43.80	-27.43	34.01	37.22	54.00	10.20	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17979.700	42.29	-25.50	46.66	21.13	54.00	11.71	H
17974.700	42.28	-25.50	46.66	21.12	54.00	11.72	H
13288.100	37.87	-29.67	39.55	27.99	54.00	16.13	H
13388.200	37.84	-29.49	39.71	27.62	54.00	16.16	H
5458.100	42.56	-27.18	34.17	35.57	54.00	11.44	H
5456.000	42.55	-27.18	34.17	35.56	54.00	11.45	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17979.700	42.29	-25.50	46.66	21.13	54.00	11.71	V
17980.200	42.24	-25.50	46.66	21.08	54.00	11.76	H
13321.700	37.83	-29.49	39.71	27.61	54.00	16.17	V
13367.900	37.83	-29.49	39.71	27.61	54.00	16.17	H
11906.000	36.20	-31.85	39.05	29.00	54.00	17.80	V
11798.800	36.17	-31.85	39.05	28.97	54.00	17.83	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.700	42.43	-25.50	46.66	21.27	54.00	11.57	H
17998.300	42.38	-25.50	46.66	21.22	54.00	11.62	H
13280.500	37.93	-29.67	39.55	28.05	54.00	16.07	V
13322.200	37.82	-29.49	39.71	27.60	54.00	16.18	V
11811.400	36.37	-31.85	39.05	29.17	54.00	17.63	V
11837.300	36.31	-31.85	39.05	29.11	54.00	17.69	H

802.11ac-HT40

Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.000	42.32	-25.50	46.66	21.16	54.00	11.68	H
17987.300	42.29	-25.50	46.66	21.13	54.00	11.71	V
13283.200	37.61	-29.67	39.55	27.73	54.00	16.39	H
13256.200	37.49	-29.67	39.55	27.61	54.00	16.51	H
5149.800	48.99	-27.61	33.67	42.93	54.00	5.01	H
5149.100	48.92	-27.61	33.67	42.86	54.00	5.08	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.300	42.39	-25.50	46.66	21.23	54.00	11.61	V
17960.400	42.29	-25.50	46.66	21.13	54.00	11.71	H
13256.800	37.69	-29.67	39.55	27.81	54.00	16.31	V
13289.800	37.54	-29.67	39.55	27.66	54.00	16.46	V
11804.300	36.32	-31.85	39.05	29.12	54.00	17.68	H
11829.000	36.29	-31.85	39.05	29.09	54.00	17.71	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17986.800	42.21	-25.50	46.66	21.05	54.00	11.79	V
17992.300	42.09	-25.50	46.66	20.93	54.00	11.91	H
13251.300	37.37	-29.67	39.55	27.49	54.00	16.63	H
13348.100	37.36	-29.49	39.71	27.14	54.00	16.64	H
11906.000	36.09	-31.85	39.05	28.89	54.00	17.91	H
11815.300	36.06	-31.85	39.05	28.86	54.00	17.94	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.000	42.19	-25.50	46.66	21.03	54.00	11.81	V
17995.600	42.19	-25.50	46.66	21.03	54.00	11.81	V
13338.200	37.58	-29.49	39.71	27.36	54.00	16.42	V
13261.200	37.50	-29.67	39.55	27.62	54.00	16.50	V
5350.300	46.16	-27.43	34.01	39.58	54.00	7.84	H
5350.100	45.95	-27.43	34.01	39.37	54.00	8.05	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.300	42.53	-25.50	46.66	21.37	54.00	11.47	H
17982.400	42.33	-25.50	46.66	21.17	54.00	11.67	V
13321.100	37.97	-29.49	39.71	27.75	54.00	16.03	V
13328.300	37.92	-29.49	39.71	27.70	54.00	16.08	H
5458.600	41.93	-27.18	34.17	34.94	54.00	12.07	H
5458.400	41.89	-27.18	34.17	34.90	54.00	12.11	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.500	42.33	-25.50	46.66	21.17	54.00	11.67	H
17965.900	42.25	-25.50	46.66	21.09	54.00	11.75	H
13349.200	37.82	-29.49	39.71	27.60	54.00	16.18	H
13354.700	37.82	-29.49	39.71	27.60	54.00	16.18	H
11878.500	36.39	-31.85	39.05	29.19	54.00	17.61	V
11887.900	36.20	-31.85	39.05	29.00	54.00	17.80	H

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17950.000	42.33	-25.50	46.66	21.17	54.00	11.67	V
17970.800	42.28	-25.50	46.66	21.12	54.00	11.72	H
13300.800	37.89	-29.49	39.71	27.67	54.00	16.11	H
13322.200	37.88	-29.49	39.71	27.66	54.00	16.12	V
11889.500	36.31	-31.85	39.05	29.11	54.00	17.69	H
11802.600	36.28	-31.85	39.05	29.08	54.00	17.72	V

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.700	42.14	-25.50	46.66	20.98	54.00	11.86	H
17998.300	42.13	-25.50	46.66	20.97	54.00	11.87	H
13348.600	37.57	-29.49	39.71	27.35	54.00	16.43	V
13262.300	37.52	-29.67	39.55	27.64	54.00	16.48	V
5149.200	52.37	-27.61	33.67	46.31	54.00	1.63	H
5149.600	52.30	-27.61	33.67	46.24	54.00	1.70	H

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	42.28	-25.50	46.66	21.12	54.00	11.72	V
17998.300	42.28	-25.50	46.66	21.12	54.00	11.72	V
13370.100	37.59	-29.49	39.71	27.37	54.00	16.41	H
13310.100	37.40	-29.49	39.71	27.18	54.00	16.60	V
5350.000	47.24	-27.43	34.01	40.66	54.00	6.76	H
5350.400	47.24	-27.43	34.01	40.66	54.00	6.76	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.500	42.34	-25.50	46.66	21.18	54.00	11.66	H
17978.000	42.21	-25.50	46.66	21.05	54.00	11.79	V
13329.400	37.97	-29.49	39.71	27.75	54.00	16.03	V
13291.500	37.92	-29.49	39.71	27.70	54.00	16.08	V
5458.100	43.70	-27.18	34.17	36.71	54.00	10.30	H
5458.200	43.67	-27.18	34.17	36.68	54.00	10.33	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17909.800	42.44	-25.50	46.66	21.28	54.00	11.56	H
17982.400	42.44	-25.50	46.66	21.28	54.00	11.56	V
13333.200	38.00	-29.49	39.71	27.78	54.00	16.00	V
13331.000	37.98	-29.49	39.71	27.76	54.00	16.02	H
11814.700	36.48	-31.85	39.05	29.28	54.00	17.52	H
11896.100	36.34	-31.85	39.05	29.14	54.00	17.66	V

PEAK Results:
802.11a
Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.000	55.31	-25.50	46.66	34.15	74.00	18.69	H
17949.400	54.59	-25.50	46.66	33.43	74.00	19.41	H
14211.000	52.10	-28.99	42.00	39.08	68.30	16.20	H
13572.500	51.49	-29.50	40.43	40.56	68.30	16.81	H
5149.300	66.39	-27.61	33.67	60.33	74.00	7.61	H
5148.800	66.31	-27.61	33.67	60.25	74.00	7.69	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17912.000	54.45	-25.50	46.66	33.29	74.00	19.55	V
17931.800	54.25	-25.50	46.66	33.09	74.00	19.75	V
13259.500	51.52	-29.67	39.55	41.64	74.00	22.48	V
14201.100	50.91	-28.99	42.00	37.89	68.30	17.39	H
11855.400	48.63	-31.85	39.05	41.43	74.00	25.37	V
11859.300	48.50	-31.85	39.05	41.30	74.00	25.50	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.200	54.21	-25.50	46.66	33.05	74.00	19.79	H
17991.800	54.11	-25.50	46.66	32.95	74.00	19.89	H
13597.800	50.80	-29.50	40.43	39.87	68.30	17.50	H
14199.000	50.77	-28.99	42.00	37.75	68.30	17.53	H
10521.700	48.58	-32.99	38.27	43.29	68.30	19.72	H
11724.000	48.29	-31.99	38.98	41.30	74.00	25.71	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.200	54.77	-25.50	46.66	33.61	74.00	19.23	V
17948.800	54.38	-25.50	46.66	33.22	74.00	19.62	V
14108.200	51.30	-29.44	41.66	39.08	68.30	17.00	V
13772.700	51.07	-29.10	40.86	39.30	68.30	17.23	V
11790.500	48.54	-31.99	38.98	41.55	74.00	25.46	V
11804.300	48.37	-31.85	39.05	41.17	74.00	25.63	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17921.900	54.15	-25.50	46.66	32.99	74.00	19.85	H
17994.500	53.77	-25.50	46.66	32.61	74.00	20.23	H
13551.600	50.83	-29.56	39.99	40.40	68.30	17.47	V
13742.500	50.78	-29.10	40.86	39.01	68.30	17.52	H
11828.500	48.69	-31.85	39.05	41.49	74.00	25.31	V
11813.100	48.53	-31.85	39.05	41.33	74.00	25.47	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17970.800	53.99	-25.50	46.66	32.83	74.00	20.01	V
17992.800	53.66	-25.50	46.66	32.50	74.00	20.34	V
13647.300	50.90	-29.50	40.43	39.97	68.30	17.40	H
14292.500	50.44	-28.42	42.34	36.52	68.30	17.86	V
5350.600	67.19	-27.43	34.01	60.61	74.00	6.81	H
5350.400	65.68	-27.43	34.01	59.10	74.00	8.32	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.200	54.34	-25.50	46.66	33.18	74.00	19.66	V
17879.000	54.13	-25.50	46.66	32.97	74.00	19.87	V
13524.600	50.94	-29.56	39.99	40.51	68.30	17.36	H
13774.400	50.93	-29.10	40.86	39.16	68.30	17.37	V
5460.000	61.84	-27.18	34.17	54.85	74.00	12.16	H
5469.900	67.22	-27.18	34.17	60.23	68.30	1.08	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17967.000	54.67	-25.50	46.66	33.51	74.00	19.33	H
17934.000	54.38	-25.50	46.66	33.22	74.00	19.62	V
13637.400	50.93	-29.50	40.43	40.00	68.30	17.37	H
13739.100	50.82	-29.10	40.86	39.05	68.30	17.48	V
11836.700	48.45	-31.85	39.05	41.25	74.00	25.55	V
11731.700	48.24	-31.99	38.98	41.25	74.00	25.76	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.000	54.72	-25.50	46.66	33.56	74.00	19.28	H
17983.500	54.35	-25.50	46.66	33.19	74.00	19.65	V
13812.300	51.45	-29.10	40.86	39.68	68.30	16.85	V
13455.400	50.91	-29.56	39.99	40.48	68.30	17.39	V
5729.200	68.15	-27.07	34.31	60.91	68.30	0.15	H
5727.100	66.82	-27.07	34.31	59.58	68.30	1.48	H

802.11n-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17401.600	54.70	-26.85	45.25	36.30	68.30	13.60	V
17964.200	54.37	-25.50	46.66	33.21	74.00	19.63	V
13586.200	51.07	-29.50	40.43	40.14	68.30	17.23	V
13758.400	50.64	-29.10	40.86	38.87	68.30	17.66	V
5150.000	70.79	-27.61	33.67	64.73	74.00	3.21	H
5149.400	70.59	-27.61	33.67	64.53	74.00	3.41	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.800	54.90	-25.50	46.66	33.74	74.00	19.10	V
17987.900	54.20	-25.50	46.66	33.04	74.00	19.80	V
13627.000	51.04	-29.50	40.43	40.11	68.30	17.26	V
13579.100	51.03	-29.50	40.43	40.10	68.30	17.27	H
11897.200	48.56	-31.85	39.05	41.36	74.00	25.44	H
11149.800	48.45	-32.60	38.75	42.31	74.00	25.55	H

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.700	54.44	-25.50	46.66	33.28	74.00	19.56	H
17948.300	54.19	-25.50	46.66	33.03	74.00	19.81	H
14165.400	50.95	-28.99	42.00	37.93	68.30	17.35	H
13641.800	50.56	-29.50	40.43	39.63	68.30	17.74	V
11762.500	48.64	-31.99	38.98	41.65	74.00	25.36	V
11891.200	48.26	-31.85	39.05	41.06	74.00	25.74	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.000	54.26	-25.50	46.66	33.10	74.00	19.74	V
17990.700	54.21	-25.50	46.66	33.05	74.00	19.79	H
13623.600	50.87	-29.50	40.43	39.94	68.30	17.43	H
13617.600	50.48	-29.50	40.43	39.55	68.30	17.82	V
11860.400	48.57	-31.85	39.05	41.37	74.00	25.43	H
11803.700	48.21	-31.85	39.05	41.01	74.00	25.79	H

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17977.500	54.76	-25.50	46.66	33.60	74.00	19.24	V
17403.800	54.09	-26.85	45.25	35.69	68.30	14.21	H
14181.400	50.79	-28.99	42.00	37.77	68.30	17.51	V
13700.600	50.76	-29.10	40.86	38.99	68.30	17.54	V
11803.700	49.13	-31.85	39.05	41.93	74.00	24.87	V
11806.500	48.56	-31.85	39.05	41.36	74.00	25.44	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.700	54.01	-25.50	46.66	32.85	74.00	19.99	V
17970.300	53.99	-25.50	46.66	32.83	74.00	20.01	H
13631.400	51.13	-29.50	40.43	40.20	68.30	17.17	V
14206.100	50.98	-28.99	42.00	37.96	68.30	17.32	H
5350.900	67.61	-27.43	34.01	61.03	74.00	6.39	H
5351.100	65.88	-27.43	34.01	59.30	74.00	8.12	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17920.800	53.89	-25.50	46.66	32.73	74.00	20.11	H
17807.500	53.85	-25.50	46.66	32.69	74.00	20.15	V
13750.700	51.76	-29.10	40.86	39.99	68.30	16.54	H
13569.800	50.84	-29.50	40.43	39.91	68.30	17.46	H
5455.100	60.93	-27.18	34.17	53.94	74.00	13.07	H
5468.000	67.20	-27.18	34.17	60.21	68.30	1.10	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.300	54.86	-25.50	46.66	33.70	74.00	19.14	H
17978.500	54.42	-25.50	46.66	33.26	74.00	19.58	H
14101.000	51.51	-29.44	41.66	39.29	68.30	16.79	V
13773.800	51.06	-29.10	40.86	39.29	68.30	17.24	V
11321.900	48.67	-32.36	38.77	42.27	74.00	25.33	H
11889.000	48.60	-31.85	39.05	41.40	74.00	25.40	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17957.700	54.77	-25.50	46.66	33.61	74.00	19.23	V
17588.600	54.25	-25.74	45.95	34.04	68.30	14.05	V
13827.700	50.98	-29.10	40.86	39.21	68.30	17.32	H
13779.300	50.86	-29.10	40.86	39.09	68.30	17.44	H
5725.200	68.05	-27.07	34.31	60.81	68.30	0.25	H
5726.300	67.98	-27.07	34.31	60.74	68.30	0.32	H

802.11n-HT40

Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17941.700	55.26	-25.50	46.66	34.10	74.00	18.74	H
17937.800	53.95	-25.50	46.66	32.79	74.00	20.05	H
13732.000	50.92	-29.10	40.86	39.15	68.30	17.38	H
13810.100	50.81	-29.10	40.86	39.04	68.30	17.49	V
5149.700	72.72	-27.61	33.67	66.66	74.00	1.28	H
5149.000	71.64	-27.61	33.67	65.58	74.00	2.36	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17928.000	54.05	-25.50	46.66	32.89	74.00	19.95	V
17965.900	53.78	-25.50	46.66	32.62	74.00	20.22	H
14195.100	50.78	-28.99	42.00	37.76	68.30	17.52	H
14238.500	50.75	-28.99	42.00	37.73	68.30	17.55	V
10945.200	48.41	-32.82	38.70	42.53	74.00	25.59	H
10825.800	48.24	-32.33	38.59	41.98	74.00	25.76	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17910.900	54.46	-25.50	46.66	33.30	74.00	19.54	H
17986.200	54.23	-25.50	46.66	33.07	74.00	19.77	V
13684.700	50.87	-29.50	40.43	39.94	68.30	17.43	V
13532.900	50.74	-29.56	39.99	40.31	68.30	17.56	H
11811.400	48.52	-31.85	39.05	41.32	74.00	25.48	H
11672.800	48.50	-32.31	38.91	41.91	74.00	25.50	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	54.95	-25.50	46.66	33.79	74.00	19.05	H
17946.700	54.71	-25.50	46.66	33.55	74.00	19.29	H
13728.100	51.42	-29.10	40.86	39.65	68.30	16.88	H
13562.000	51.38	-29.50	40.43	40.45	68.30	16.92	V
5352.000	68.74	-27.43	34.01	62.16	74.00	5.26	H
5350.000	68.00	-27.43	34.01	61.42	74.00	6.00	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17701.900	54.74	-25.74	45.95	34.53	74.00	19.26	H
17907.000	54.26	-25.50	46.66	33.10	74.00	19.74	V
14198.400	51.51	-28.99	42.00	38.49	68.30	16.79	H
13604.400	51.01	-29.50	40.43	40.08	68.30	17.29	V
5458.700	63.53	-27.18	34.17	56.54	74.00	10.47	H
5469.900	68.06	-27.18	34.17	61.07	68.30	0.24	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17725.000	55.01	-25.74	45.95	34.80	74.00	18.99	H
17972.500	54.14	-25.50	46.66	32.98	74.00	19.86	V
13726.500	51.68	-29.10	40.86	39.91	68.30	16.62	V
14075.800	51.02	-29.44	41.66	38.80	68.30	17.28	V
11985.800	49.06	-31.48	39.09	41.45	74.00	24.94	H
11326.900	48.85	-32.36	38.77	42.45	74.00	25.15	V

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17933.500	54.69	-25.50	46.66	33.53	74.00	19.31	V
17700.200	54.40	-25.74	45.95	34.19	74.00	19.60	V
13729.800	51.22	-29.10	40.86	39.45	68.30	17.08	H
13677.500	51.02	-29.50	40.43	40.09	68.30	17.28	H
5728.800	59.03	-27.07	34.31	51.79	68.30	9.27	H
5726.600	58.39	-27.07	34.31	51.15	68.30	9.91	H

802.11ac-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17958.200	53.98	-25.50	46.66	32.82	74.00	20.02	V
17975.800	53.93	-25.50	46.66	32.77	74.00	20.07	H
13462.000	51.21	-29.56	39.99	40.78	68.30	17.09	V
13638.000	51.14	-29.50	40.43	40.21	68.30	17.16	V
5147.900	65.49	-27.61	33.67	59.43	74.00	8.51	H
5148.800	64.35	-27.61	33.67	58.29	74.00	9.65	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17423.600	54.02	-26.85	45.25	35.62	68.30	14.28	V
17945.500	53.88	-25.50	46.66	32.72	74.00	20.12	H
13766.600	50.64	-29.10	40.86	38.87	68.30	17.66	H
13677.500	50.50	-29.50	40.43	39.57	68.30	17.80	V
11784.500	48.81	-31.99	38.98	41.82	74.00	25.19	H
11819.100	48.58	-31.85	39.05	41.38	74.00	25.42	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.400	54.10	-25.50	46.66	32.94	74.00	19.90	V
17951.600	53.93	-25.50	46.66	32.77	74.00	20.07	V
14200.000	51.18	-28.99	42.00	38.16	68.30	17.12	V
13698.500	51.07	-29.10	40.86	39.30	68.30	17.23	H
11891.700	48.52	-31.85	39.05	41.32	74.00	25.48	V
11983.000	48.32	-31.48	39.09	40.71	74.00	25.68	H

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.700	54.16	-25.50	46.66	33.00	74.00	19.84	V
17980.200	54.15	-25.50	46.66	32.99	74.00	19.85	H
13570.900	50.79	-29.50	40.43	39.86	68.30	17.51	V
13565.400	50.75	-29.50	40.43	39.82	68.30	17.55	H
10621.800	48.52	-32.76	38.38	42.90	74.00	25.48	V
11876.300	48.23	-31.85	39.05	41.03	74.00	25.77	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17901.500	54.12	-25.50	46.66	32.96	74.00	19.88	V
17808.600	54.08	-25.50	46.66	32.92	74.00	19.92	V
14110.400	51.01	-28.99	42.00	37.99	68.30	17.29	H
14208.900	50.91	-28.99	42.00	37.89	68.30	17.39	V
11916.500	48.49	-31.48	39.09	40.88	74.00	25.51	V
11803.700	48.40	-31.85	39.05	41.20	74.00	25.60	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17215.700	54.28	-25.95	44.35	35.87	68.30	14.02	V
17983.500	54.09	-25.50	46.66	32.93	74.00	19.91	V
13682.000	50.87	-29.50	40.43	39.94	68.30	17.43	H
13666.000	50.64	-29.50	40.43	39.71	68.30	17.66	V
5350.000	63.28	-27.43	34.01	56.70	74.00	10.72	H
5352.500	63.08	-27.43	34.01	56.50	74.00	10.92	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17158.000	54.72	-26.60	43.36	37.96	68.30	13.58	V
17978.000	54.61	-25.50	46.66	33.45	74.00	19.39	H
13753.500	50.88	-29.10	40.86	39.11	68.30	17.42	V
13780.400	50.80	-29.10	40.86	39.03	68.30	17.50	H
5455.400	56.98	-27.18	34.17	49.99	74.00	17.02	H
5463.100	61.44	-27.18	34.17	54.45	68.30	6.86	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17398.800	55.54	-26.85	45.25	37.14	68.30	12.76	H
17954.300	54.26	-25.50	46.66	33.10	74.00	19.74	H
14198.400	51.13	-28.99	42.00	38.11	68.30	17.17	H
13651.700	50.90	-29.50	40.43	39.97	68.30	17.40	V
11918.700	48.91	-31.48	39.09	41.30	74.00	25.09	H
11943.400	48.66	-31.48	39.09	41.05	74.00	25.34	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17984.000	54.34	-25.50	46.66	33.18	74.00	19.66	H
17942.800	54.25	-25.50	46.66	33.09	74.00	19.75	V
14283.100	51.56	-28.42	42.34	37.64	68.30	16.74	H
13729.200	50.89	-29.10	40.86	39.12	68.30	17.41	V
5725.400	64.97	-27.07	34.31	57.73	68.30	3.33	H
5725.000	64.83	-27.07	34.31	57.59	68.30	3.47	H

802.11ac-HT40

Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17920.200	54.62	-25.50	46.66	33.46	74.00	19.38	H
17951.000	54.24	-25.50	46.66	33.08	74.00	19.76	V
14208.900	51.09	-28.99	42.00	38.07	68.30	17.21	H
13615.400	50.81	-29.50	40.43	39.88	68.30	17.49	H
5149.700	68.03	-27.61	33.67	61.97	74.00	5.97	H
5149.400	66.99	-27.61	33.67	60.93	74.00	7.01	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17980.800	54.36	-25.50	46.66	33.20	74.00	19.64	H
17994.500	54.13	-25.50	46.66	32.97	74.00	19.87	H
13691.900	50.72	-29.50	40.43	39.79	68.30	17.58	V
13663.800	50.60	-29.50	40.43	39.67	68.30	17.70	H
11794.900	48.30	-31.99	38.98	41.31	74.00	25.70	H
11655.200	48.24	-32.31	38.91	41.65	74.00	25.76	H

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.500	54.38	-25.50	46.66	33.22	74.00	19.62	V
17946.700	54.26	-25.50	46.66	33.10	74.00	19.74	H
13632.500	51.31	-29.50	40.43	40.38	68.30	16.99	V
13561.500	51.13	-29.50	40.43	40.20	68.30	17.17	V
10839.600	49.01	-32.33	38.59	42.75	74.00	24.99	V
11792.200	48.93	-31.99	38.98	41.94	74.00	25.07	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.600	54.72	-25.50	46.66	33.56	74.00	19.28	V
17722.800	54.41	-25.74	45.95	34.20	74.00	19.59	H
13745.200	51.36	-29.10	40.86	39.59	68.30	16.94	H
13733.600	51.15	-29.10	40.86	39.38	68.30	17.15	V
5354.200	65.43	-27.43	34.01	58.85	74.00	8.57	H
5350.300	64.49	-27.43	34.01	57.91	74.00	9.51	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.800	55.04	-25.50	46.66	33.88	74.00	18.96	H
17864.200	54.41	-25.50	46.66	33.25	74.00	19.59	H
13851.900	51.01	-29.51	41.30	39.22	68.30	17.29	V
14123.600	50.43	-28.99	42.00	37.41	68.30	17.87	V
5458.600	58.45	-27.18	34.17	51.46	74.00	15.55	H
5469.300	61.63	-27.18	34.17	54.64	68.30	6.67	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17866.900	54.41	-25.50	46.66	33.25	74.00	19.59	H
17985.200	54.28	-25.50	46.66	33.12	74.00	19.72	V
13662.100	50.98	-29.50	40.43	40.05	68.30	17.32	V
13745.800	50.88	-29.10	40.86	39.11	68.30	17.42	V
11769.100	49.05	-31.99	38.98	42.06	74.00	24.95	H
11943.400	48.58	-31.48	39.09	40.97	74.00	25.42	V

Channel 134

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.200	54.20	-25.50	46.66	33.04	74.00	19.80	H
17996.200	54.17	-25.50	46.66	33.01	74.00	19.83	V
13705.000	51.11	-29.10	40.86	39.34	68.30	17.19	V
14219.900	51.01	-28.99	42.00	37.99	68.30	17.29	H
5725.300	56.74	-27.07	34.31	49.50	68.30	11.56	H
5727.300	56.29	-27.07	34.31	49.05	68.30	12.01	H

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.000	53.84	-25.50	46.66	32.68	74.00	20.16	H
17954.900	53.78	-25.50	46.66	32.62	74.00	20.22	V
13644.500	50.73	-29.50	40.43	39.80	68.30	17.57	H
13704.500	50.42	-29.10	40.86	38.65	68.30	17.88	H
5146.900	70.23	-27.61	33.67	64.17	74.00	3.77	H
5146.200	68.05	-27.61	33.67	61.99	74.00	5.95	H

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.700	54.28	-25.50	46.66	33.12	74.00	19.72	V
17995.000	54.02	-25.50	46.66	32.86	74.00	19.98	H
13678.100	51.10	-29.50	40.43	40.17	68.30	17.20	V
13622.000	50.43	-29.50	40.43	39.50	68.30	17.87	V
5350.500	66.55	-27.43	34.01	59.97	74.00	7.45	H
5354.600	65.64	-27.43	34.01	59.06	74.00	8.36	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17922.500	54.30	-25.50	46.66	33.14	74.00	19.70	V
17686.500	54.12	-25.74	45.95	33.91	68.30	14.18	V
13773.800	51.09	-29.10	40.86	39.32	68.30	17.21	V
13697.400	50.66	-29.10	40.86	38.89	68.30	17.64	V
5457.400	60.98	-27.18	34.17	53.99	74.00	13.02	H
5469.100	63.98	-27.18	34.17	56.99	68.30	4.32	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17778.900	54.19	-25.50	46.66	33.03	74.00	19.81	H
17980.800	54.08	-25.50	46.66	32.92	74.00	19.92	V
13702.300	52.18	-29.10	40.86	40.41	68.30	16.12	H
13739.100	51.10	-29.10	40.86	39.33	68.30	17.20	V
5729.900	53.88	-27.07	34.31	46.64	68.30	14.42	H
5737.300	53.85	-27.07	34.31	46.61	68.30	14.45	H

A.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 AE5		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.58	Fig.59	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 AE5		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.58	Fig.59	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:

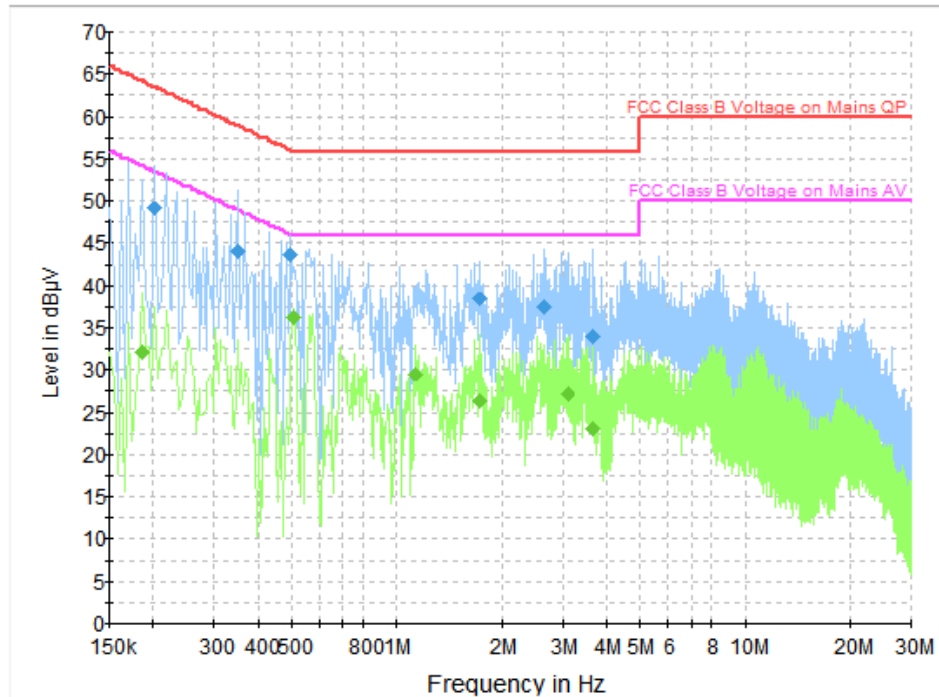


Fig.58 Conducted Emission (802.11a, Ch36, TX)

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)
0.202000	49.2	2000.0	9.000	On	L1	20.0	14.3	63.5
0.350000	44.1	2000.0	9.000	On	L1	19.9	14.9	59.0
0.498000	43.7	2000.0	9.000	On	L1	19.9	12.3	56.0
1.738000	38.4	2000.0	9.000	On	N	19.7	17.6	56.0
2.634000	37.5	2000.0	9.000	On	N	19.7	18.5	56.0
3.650000	34.0	2000.0	9.000	On	N	19.7	22.0	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.186000	32.1	2000.0	9.000	On	L1	20.0	22.1	54.2
0.506000	36.4	2000.0	9.000	On	L1	19.9	9.6	46.0
1.138000	29.6	2000.0	9.000	On	L1	19.5	16.4	46.0
1.738000	26.4	2000.0	9.000	On	N	19.7	19.6	46.0
3.102000	27.2	2000.0	9.000	On	N	19.7	18.8	46.0
3.650000	23.2	2000.0	9.000	On	N	19.7	22.8	46.0

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

Idle:

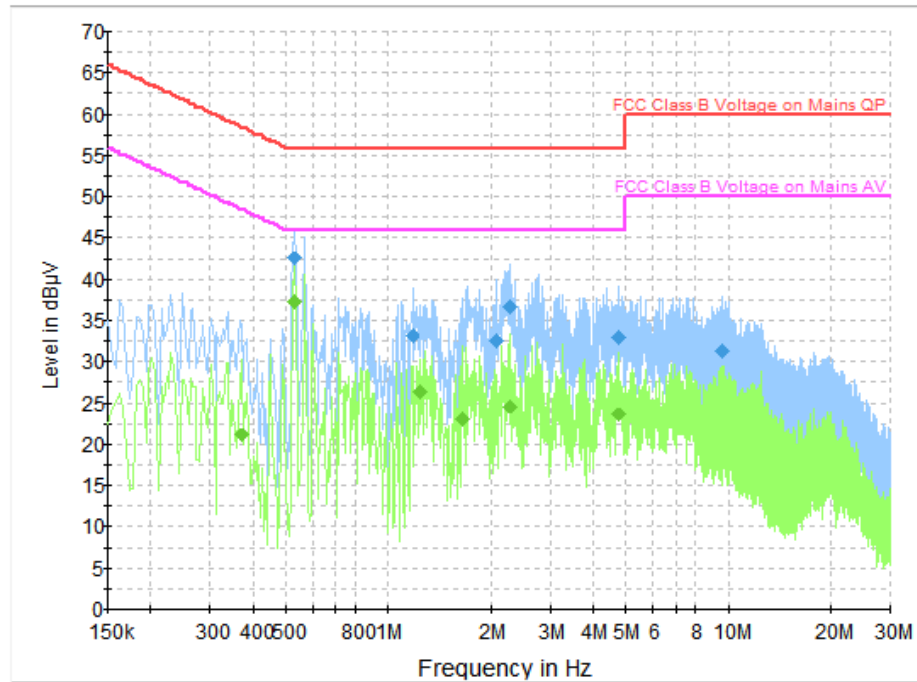


Fig.59 Conducted Emission(802.11a, IDLE)

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)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.530000	42.6	2000.0	9.000	On	N	20.0	13.4	56.0
1.178000	33.2	2000.0	9.000	On	N	19.8	22.8	56.0
2.082000	32.5	2000.0	9.000	On	N	19.7	23.5	56.0
2.286000	36.7	2000.0	9.000	On	N	19.8	19.3	56.0
4.746000	33.0	2000.0	9.000	On	N	19.7	23.0	56.0
9.602000	31.3	2000.0	9.000	On	L1	19.6	28.7	60.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.370000	21.1	2000.0	9.000	On	L1	19.9	27.4	48.5
0.530000	37.3	2000.0	9.000	On	N	20.0	8.7	46.0
1.246000	26.5	2000.0	9.000	On	L1	19.5	19.5	46.0
1.658000	23.2	2000.0	9.000	On	N	19.8	22.8	46.0
2.286000	24.6	2000.0	9.000	On	N	19.8	21.4	46.0
4.746000	23.7	2000.0	9.000	On	N	19.7	22.3	46.0

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

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
-------------------------	---------

Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.60	17.41	P
	5200 MHz	Fig.61	17.29	P
	5240 MHz	Fig.62	17.44	P
802.11n HT20	5180 MHz	Fig.63	18.24	P
	5200 MHz	Fig.64	18.19	P
	5240 MHz	Fig.65	18.23	P
802.11n HT40	5190 MHz	Fig.66	36.22	P
	5230 MHz	Fig.67	36.17	P
802.11ac HT80	5210 MHz	Fig.68	75.21	P

Conclusion: PASS

Test graphs as below:

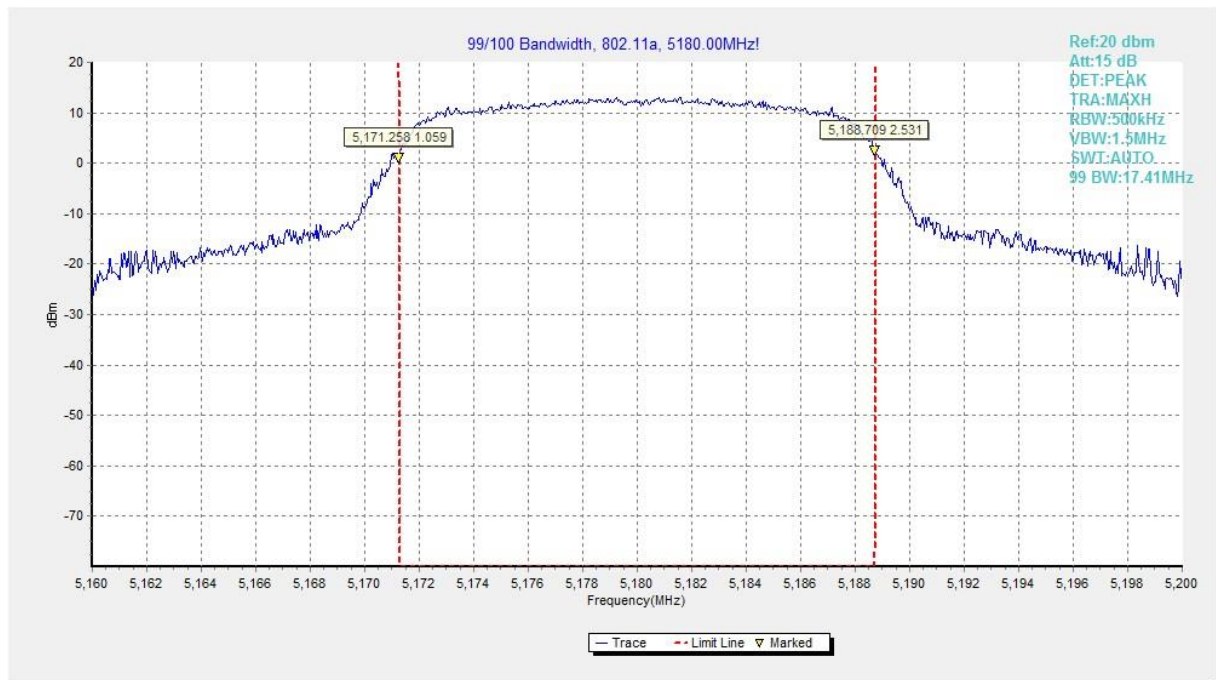


Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)

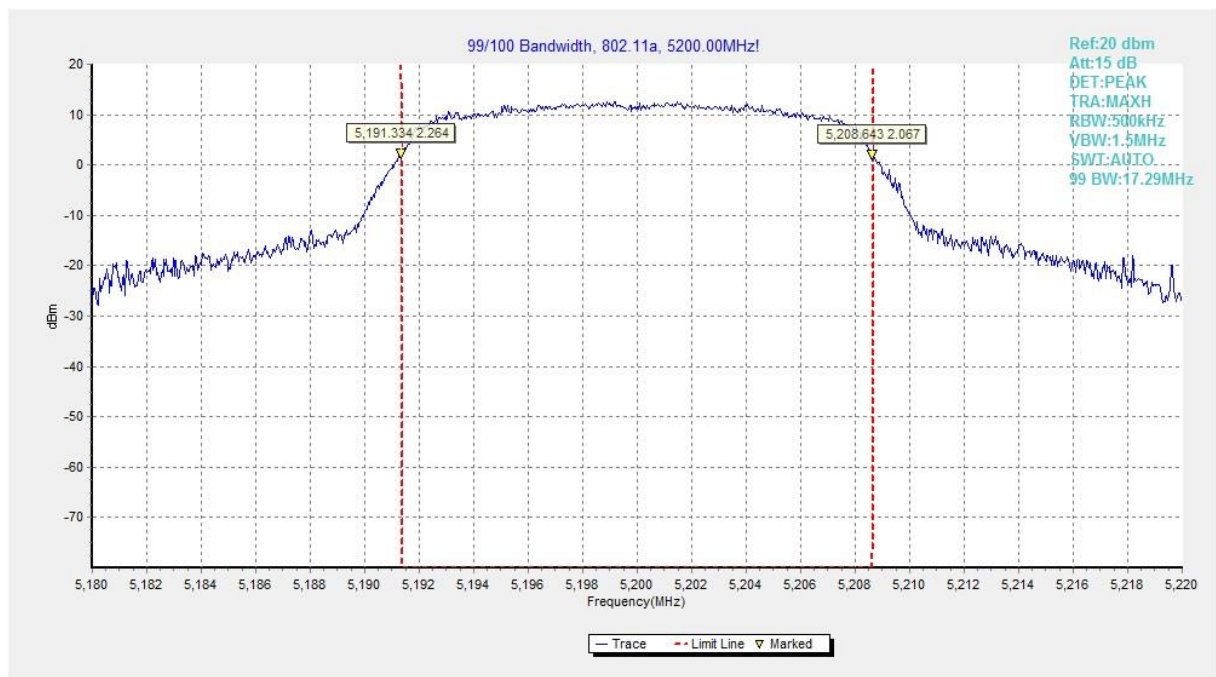


Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)

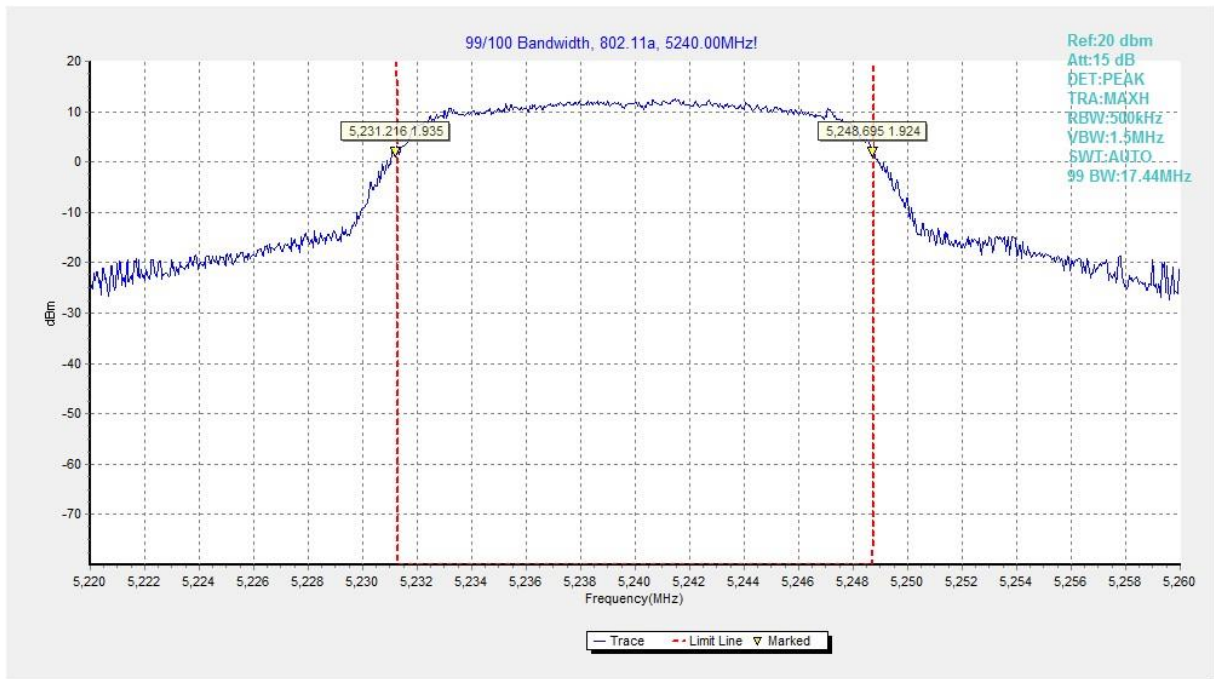


Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)

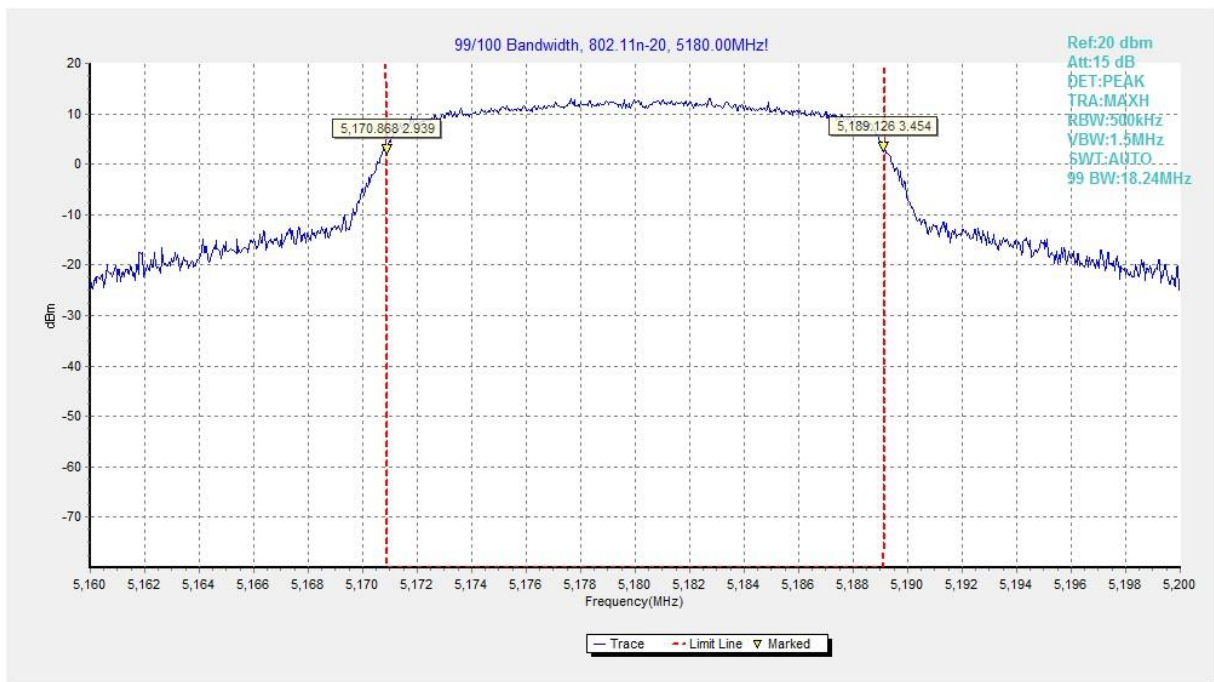


Fig.63 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

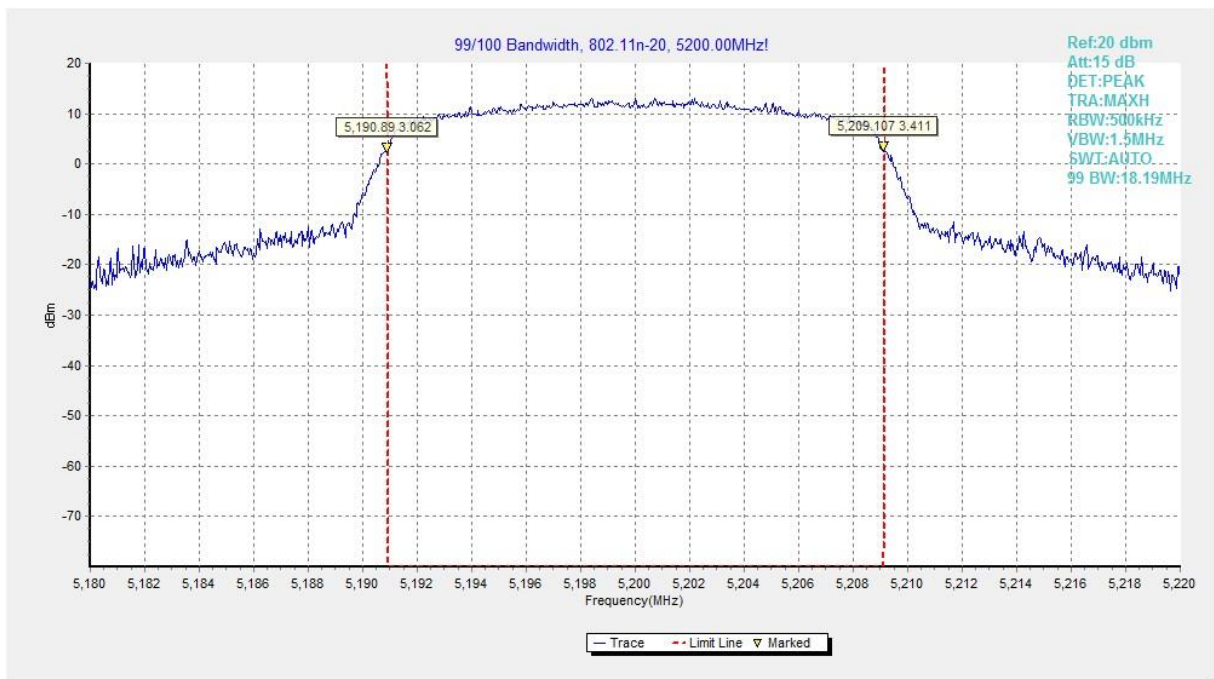


Fig.64 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

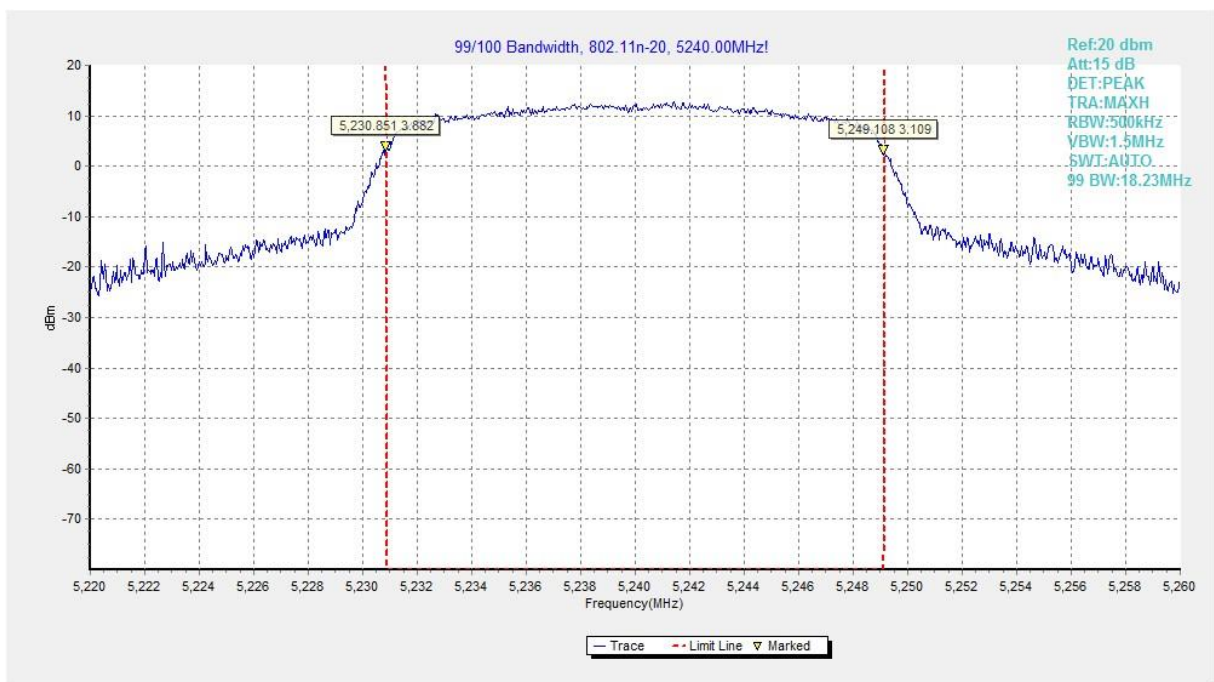


Fig.65 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

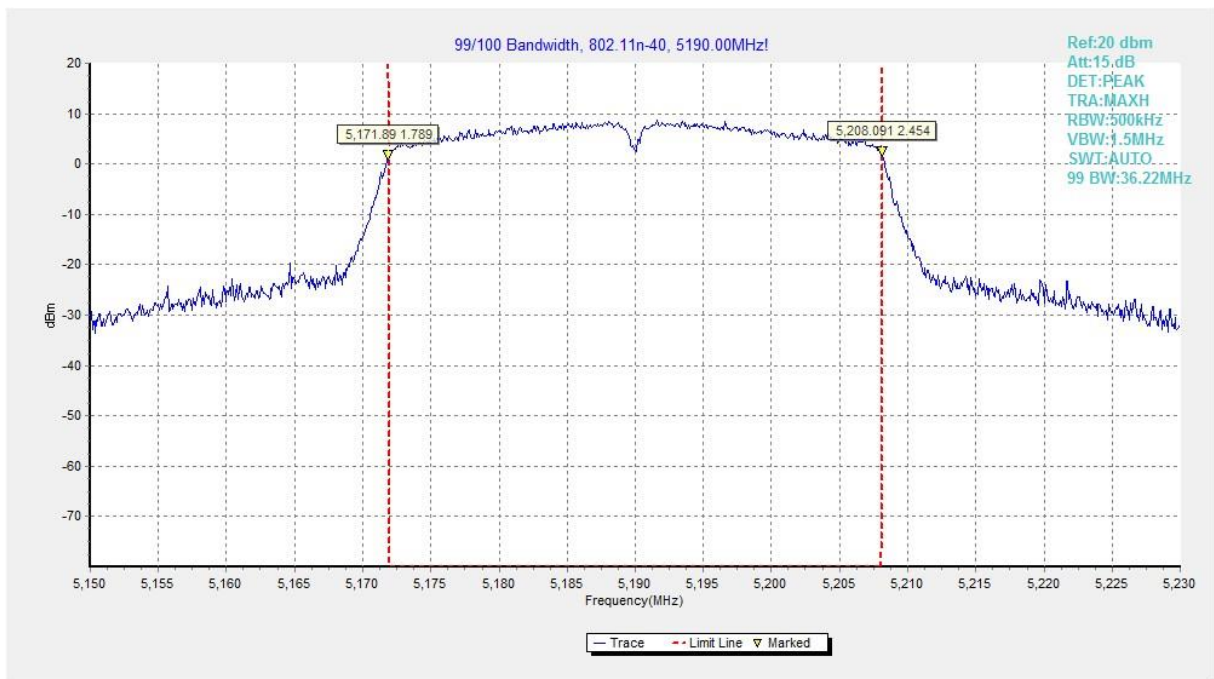


Fig.66 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

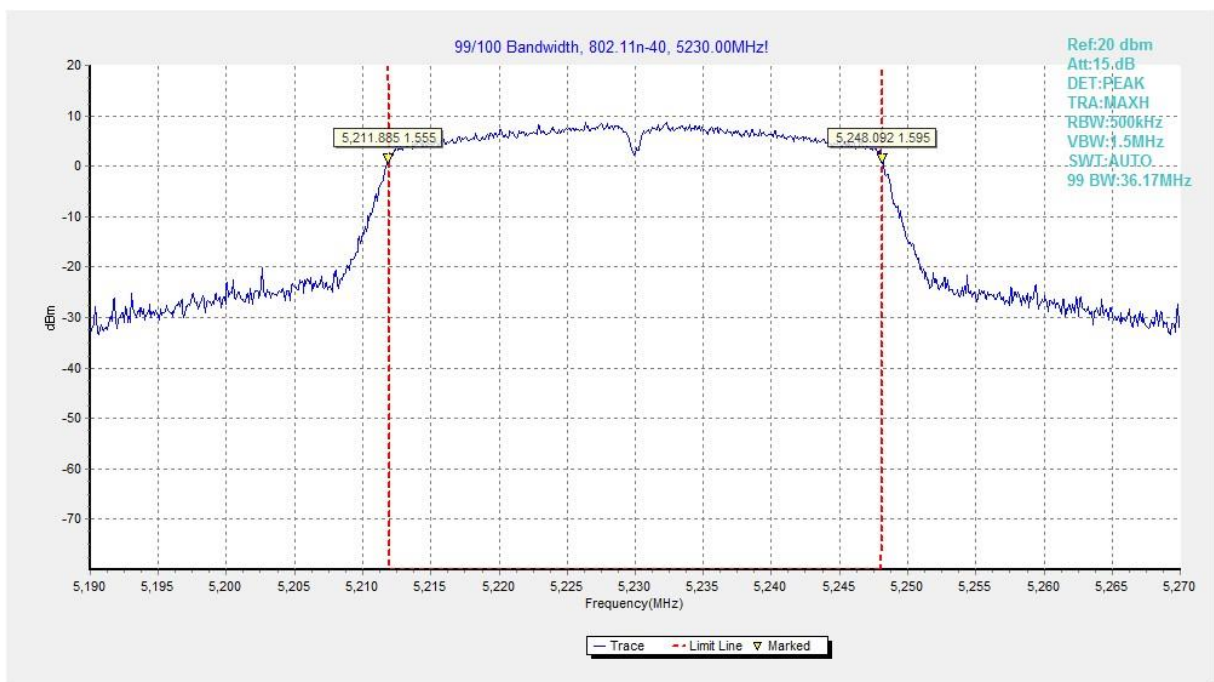


Fig.67 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

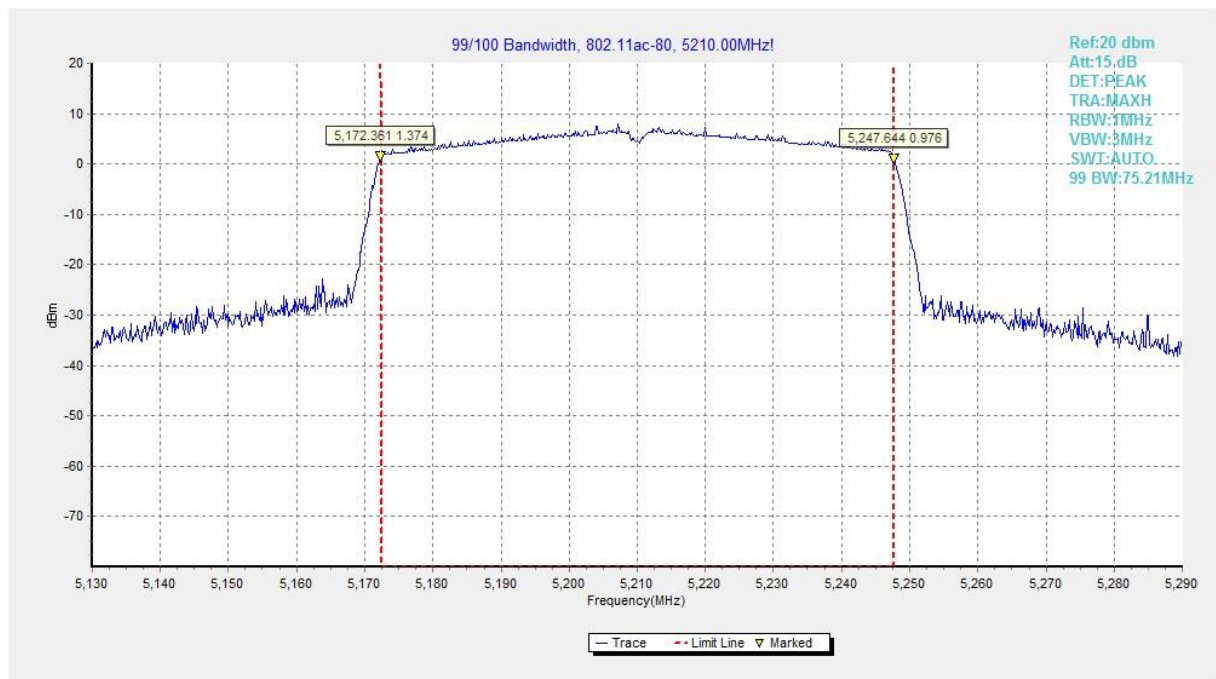


Fig.68 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

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[®]  ilac-MRA	
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>	  <i>For the National Voluntary Laboratory Accreditation Program</i>

*** END OF REPORT BODY ***