

AVERAGE 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)
17994.500	42.55	-25.50	46.66	21.39	54.00	11.45	V
17976.300	42.39	-25.50	46.66	21.23	54.00	11.61	H
13314.500	38.00	-29.49	39.71	27.78	54.00	16.00	V
13260.600	37.97	-29.67	39.55	28.09	54.00	16.03	V
5150.000	47.21	-27.61	33.67	41.15	54.00	6.79	H
5150.000	47.09	-27.61	33.67	41.03	54.00	6.91	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)
17980.200	42.72	-25.50	46.66	21.56	54.00	11.28	V
17998.300	42.38	-25.50	46.66	21.22	54.00	11.62	H
13359.100	38.25	-29.49	39.71	28.03	54.00	15.75	V
13312.900	38.03	-29.49	39.71	27.81	54.00	15.97	V
11855.400	36.42	-31.85	39.05	29.22	54.00	17.58	H
11904.900	36.36	-31.85	39.05	29.16	54.00	17.64	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)
17994.500	42.48	-25.50	46.66	21.32	54.00	11.52	V
17989.500	42.41	-25.50	46.66	21.25	54.00	11.59	V
13277.700	38.01	-29.67	39.55	28.13	54.00	15.99	V
13333.200	37.94	-29.49	39.71	27.72	54.00	16.06	V
11798.800	36.30	-31.85	39.05	29.10	54.00	17.70	V
11846.600	36.19	-31.85	39.05	28.99	54.00	17.81	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)
17985.200	42.51	-25.50	46.66	21.35	54.00	11.49	H
17978.000	42.50	-25.50	46.66	21.34	54.00	11.50	V
13350.300	38.11	-29.49	39.71	27.89	54.00	15.89	H
13363.000	37.87	-29.49	39.71	27.65	54.00	16.13	V
11814.200	36.47	-31.85	39.05	29.27	54.00	17.53	V
11830.100	36.47	-31.85	39.05	29.27	54.00	17.53	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)
17959.800	42.59	-25.50	46.66	21.43	54.00	11.41	V
17957.100	42.38	-25.50	46.66	21.22	54.00	11.62	V
13366.800	37.79	-29.49	39.71	27.57	54.00	16.21	H
13387.700	37.77	-29.49	39.71	27.55	54.00	16.23	V
11810.300	36.41	-31.85	39.05	29.21	54.00	17.59	H
11846.600	36.41	-31.85	39.05	29.21	54.00	17.59	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)
17976.300	42.47	-25.50	46.66	21.31	54.00	11.53	V
17966.500	42.34	-25.50	46.66	21.18	54.00	11.66	H
13352.000	38.13	-29.49	39.71	27.91	54.00	15.87	H
13362.400	38.01	-29.49	39.71	27.79	54.00	15.99	H
5350.100	42.73	-27.43	34.01	36.15	54.00	11.27	H
5350.300	42.71	-27.43	34.01	36.13	54.00	11.29	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)
17979.100	42.40	-25.50	46.66	21.24	54.00	11.60	V
17965.300	42.39	-25.50	46.66	21.23	54.00	11.61	V
13345.400	37.71	-29.49	39.71	27.49	54.00	16.29	V
13263.400	37.70	-29.67	39.55	27.82	54.00	16.30	H
5459.800	42.65	-27.18	34.17	35.66	54.00	11.35	H
5459.300	42.59	-27.18	34.17	35.60	54.00	11.41	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)
17990.700	42.27	-25.50	46.66	21.11	54.00	11.73	H
17989.500	42.26	-25.50	46.66	21.10	54.00	11.74	V
13298.600	38.05	-29.49	39.71	27.83	54.00	15.95	V
13364.000	37.78	-29.49	39.71	27.56	54.00	16.22	H
11819.100	36.44	-31.85	39.05	29.24	54.00	17.56	V
11804.800	36.43	-31.85	39.05	29.23	54.00	17.57	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)
17975.800	42.34	-25.50	46.66	21.18	54.00	11.66	V
17983.500	42.32	-25.50	46.66	21.16	54.00	11.68	V
13346.500	37.83	-29.49	39.71	27.61	54.00	16.17	H
13299.100	37.79	-29.49	39.71	27.57	54.00	16.21	H
11820.800	36.37	-31.85	39.05	29.17	54.00	17.63	V
11837.300	36.34	-31.85	39.05	29.14	54.00	17.66	H

Channel 144

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	42.61	-25.50	46.66	21.45	54.00	11.39	H
17934.500	42.48	-25.50	46.66	21.32	54.00	11.52	V
13254.000	38.90	-29.67	39.55	29.02	54.00	15.10	H
16148.700	38.65	-26.77	38.93	26.49	54.00	15.35	V
11820.200	36.84	-31.85	39.05	29.64	54.00	17.16	V
11862.000	36.68	-31.85	39.05	29.48	54.00	17.32	V

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)
17972.000	42.60	-25.50	46.66	21.44	54.00	11.40	H
17961.000	42.34	-25.50	46.66	21.18	54.00	11.66	H
13286.000	38.26	-29.67	39.55	28.38	54.00	15.74	V
13354.700	38.07	-29.49	39.71	27.85	54.00	15.93	H
5150.000	48.44	-27.61	33.67	42.38	54.00	5.56	H
5149.800	48.40	-27.61	33.67	42.34	54.00	5.60	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)
17963.700	42.39	-25.50	46.66	21.23	54.00	11.61	V
17993.400	42.39	-25.50	46.66	21.23	54.00	11.61	V
13357.500	38.08	-29.49	39.71	27.86	54.00	15.92	H
13349.200	38.07	-29.49	39.71	27.85	54.00	15.93	V
11892.800	36.35	-31.85	39.05	29.15	54.00	17.65	V
11859.300	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)
17930.700	42.43	-25.50	46.66	21.27	54.00	11.57	H
17984.000	42.41	-25.50	46.66	21.25	54.00	11.59	H
13348.100	38.11	-29.49	39.71	27.89	54.00	15.89	H
13378.900	37.95	-29.49	39.71	27.73	54.00	16.05	H
11838.900	36.38	-31.85	39.05	29.18	54.00	17.62	V
11895.600	36.33	-31.85	39.05	29.13	54.00	17.67	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)
17997.200	42.32	-25.50	46.66	21.16	54.00	11.68	V
17949.400	42.30	-25.50	46.66	21.14	54.00	11.70	H
13332.700	37.96	-29.49	39.71	27.74	54.00	16.04	H
13316.800	37.95	-29.49	39.71	27.73	54.00	16.05	H
11885.100	36.69	-31.85	39.05	29.49	54.00	17.31	H
11817.500	36.55	-31.85	39.05	29.35	54.00	17.45	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)
17997.800	42.39	-25.50	46.66	21.23	54.00	11.61	H
17963.200	42.32	-25.50	46.66	21.16	54.00	11.68	V
13356.400	37.97	-29.49	39.71	27.75	54.00	16.03	V
13258.500	37.84	-29.67	39.55	27.96	54.00	16.16	H
11814.200	36.39	-31.85	39.05	29.19	54.00	17.61	V
11879.600	36.35	-31.85	39.05	29.15	54.00	17.65	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)
17994.000	42.48	-25.50	46.66	21.32	54.00	11.52	H
17971.400	42.47	-25.50	46.66	21.31	54.00	11.53	V
13253.500	37.81	-29.67	39.55	27.93	54.00	16.19	H
13257.900	37.75	-29.67	39.55	27.87	54.00	16.25	V
5350.100	42.60	-27.43	34.01	36.02	54.00	11.40	H
5350.400	42.60	-27.43	34.01	36.02	54.00	11.40	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)
17984.600	42.51	-25.50	46.66	21.35	54.00	11.49	V
17996.700	42.40	-25.50	46.66	21.24	54.00	11.60	H
13292.000	37.80	-29.49	39.71	27.58	54.00	16.20	H
13365.700	37.78	-29.49	39.71	27.56	54.00	16.22	V
5459.800	42.74	-27.18	34.17	35.75	54.00	11.26	H
5459.000	42.70	-27.18	34.17	35.71	54.00	11.30	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)
17981.800	42.54	-25.50	46.66	21.38	54.00	11.46	H
17998.900	42.37	-25.50	46.66	21.21	54.00	11.63	V
13258.500	37.82	-29.67	39.55	27.94	54.00	16.18	V
13309.600	37.75	-29.49	39.71	27.53	54.00	16.25	H
11869.700	36.47	-31.85	39.05	29.27	54.00	17.53	H
11875.200	36.42	-31.85	39.05	29.22	54.00	17.58	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)
17979.100	42.60	-25.50	46.66	21.44	54.00	11.40	V
17967.500	42.46	-25.50	46.66	21.30	54.00	11.54	V
13327.200	37.82	-29.49	39.71	27.60	54.00	16.18	H
13276.600	37.80	-29.67	39.55	27.92	54.00	16.20	H
11797.700	36.44	-31.85	39.05	29.24	54.00	17.56	H
11823.000	36.43	-31.85	39.05	29.23	54.00	17.57	V

Channel 144

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	42.57	-25.50	46.66	21.41	54.00	11.43	V
17936.800	42.41	-25.50	46.66	21.25	54.00	11.59	H
13341.000	38.26	-29.49	39.71	28.04	54.00	15.74	V
13298.600	38.14	-29.49	39.71	27.92	54.00	15.86	H
11832.900	36.44	-31.85	39.05	29.24	54.00	17.56	H

11833.400	36.34	-31.85	39.05	29.14	54.00	17.66	V
-----------	-------	--------	-------	-------	-------	-------	---

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)
17957.100	42.51	-25.50	46.66	21.35	54.00	11.49	H
17993.400	42.50	-25.50	46.66	21.34	54.00	11.50	H
13371.200	38.14	-29.49	39.71	27.92	54.00	15.86	V
13302.500	37.90	-29.49	39.71	27.68	54.00	16.10	H
5149.900	48.64	-27.61	33.67	42.58	54.00	5.36	H
5149.900	48.41	-27.61	33.67	42.35	54.00	5.59	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)
17995.000	42.28	-25.50	46.66	21.12	54.00	11.72	V
17989.000	42.26	-25.50	46.66	21.10	54.00	11.74	V
13273.300	37.99	-29.67	39.55	28.11	54.00	16.01	V
13306.900	37.82	-29.49	39.71	27.60	54.00	16.18	H
11878.000	36.28	-31.85	39.05	29.08	54.00	17.72	H
11893.400	36.25	-31.85	39.05	29.05	54.00	17.75	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)
17996.200	42.44	-25.50	46.66	21.28	54.00	11.56	V
17956.500	42.43	-25.50	46.66	21.27	54.00	11.57	V
13251.900	37.90	-29.67	39.55	28.02	54.00	16.10	V
13347.000	37.85	-29.49	39.71	27.63	54.00	16.15	H
11909.900	36.65	-31.85	39.05	29.45	54.00	17.35	H
11846.600	36.58	-31.85	39.05	29.38	54.00	17.42	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)
17996.700	42.59	-25.50	46.66	21.43	54.00	11.41	H
17986.800	42.55	-25.50	46.66	21.39	54.00	11.45	H
13265.000	38.03	-29.67	39.55	28.15	54.00	15.97	V
13301.400	38.02	-29.49	39.71	27.80	54.00	15.98	H
5350.000	46.69	-27.43	34.01	40.11	54.00	7.31	H
5350.400	46.64	-27.43	34.01	40.06	54.00	7.36	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)
17961.000	42.36	-25.50	46.66	21.20	54.00	11.64	V
17988.500	42.35	-25.50	46.66	21.19	54.00	11.65	H
13381.600	37.83	-29.49	39.71	27.61	54.00	16.17	H
13342.000	37.82	-29.49	39.71	27.60	54.00	16.18	H
5457.700	41.37	-27.18	34.17	34.38	54.00	12.63	H
5458.600	41.37	-27.18	34.17	34.38	54.00	12.63	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)
17972.500	42.48	-25.50	46.66	21.32	54.00	11.52	V
17998.900	42.35	-25.50	46.66	21.19	54.00	11.65	H
13345.400	38.32	-29.49	39.71	28.10	54.00	15.68	H
13354.700	38.06	-29.49	39.71	27.84	54.00	15.94	V
11916.500	36.66	-31.48	39.09	29.05	54.00	17.34	V
11806.500	36.64	-31.85	39.05	29.44	54.00	17.36	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)
17964.800	42.35	-25.50	46.66	21.19	54.00	11.65	H
17984.600	42.35	-25.50	46.66	21.19	54.00	11.65	V
13369.000	38.09	-29.49	39.71	27.87	54.00	15.91	H
13277.700	38.08	-29.67	39.55	28.20	54.00	15.92	V
11832.900	36.54	-31.85	39.05	29.34	54.00	17.46	V
11942.300	36.52	-31.48	39.09	28.91	54.00	17.48	H

Channel 142

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	42.52	-25.50	46.66	21.36	54.00	11.48	V
17997.800	42.25	-25.50	46.66	21.09	54.00	11.75	H
13326.600	38.04	-29.49	39.71	27.82	54.00	15.96	V
13345.400	37.97	-29.49	39.71	27.75	54.00	16.03	V
11854.900	36.33	-31.85	39.05	29.13	54.00	17.67	H
11818.000	36.27	-31.85	39.05	29.07	54.00	17.73	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	42.52	-25.50	46.66	21.36	54.00	11.48	V
17996.200	42.27	-25.50	46.66	21.11	54.00	11.73	V
13355.800	37.82	-29.49	39.71	27.60	54.00	16.18	V
13309.600	37.80	-29.49	39.71	27.58	54.00	16.20	V
5149.900	47.50	-27.61	33.67	41.44	54.00	6.50	H
5149.700	47.44	-27.61	33.67	41.38	54.00	6.56	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)
17985.200	42.45	-25.50	46.66	21.29	54.00	11.55	V
17994.500	42.34	-25.50	46.66	21.18	54.00	11.66	H
13299.700	38.20	-29.49	39.71	27.98	54.00	15.80	H
13337.100	37.88	-29.49	39.71	27.66	54.00	16.12	H
11838.900	36.21	-31.85	39.05	29.01	54.00	17.79	H
11853.800	36.20	-31.85	39.05	29.00	54.00	17.80	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)
17961.500	42.35	-25.50	46.66	21.19	54.00	11.65	H
17945.000	42.33	-25.50	46.66	21.17	54.00	11.67	V
13343.700	37.79	-29.49	39.71	27.57	54.00	16.21	H
13345.400	37.77	-29.49	39.71	27.55	54.00	16.23	V
11906.600	36.44	-31.85	39.05	29.24	54.00	17.56	V
11799.300	36.34	-31.85	39.05	29.14	54.00	17.66	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)
17989.500	42.58	-25.50	46.66	21.42	54.00	11.42	H
17992.300	42.51	-25.50	46.66	21.35	54.00	11.49	V
13363.500	38.01	-29.49	39.71	27.79	54.00	15.99	H
13316.800	37.85	-29.49	39.71	27.63	54.00	16.15	H
11782.800	36.37	-31.99	38.98	29.38	54.00	17.63	V
11891.200	36.28	-31.85	39.05	29.08	54.00	17.72	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)
17954.900	42.44	-25.50	46.66	21.28	54.00	11.56	V
17968.700	42.37	-25.50	46.66	21.21	54.00	11.63	V
13344.800	37.99	-29.49	39.71	27.77	54.00	16.01	V
13266.100	37.88	-29.67	39.55	28.00	54.00	16.12	H
11886.800	36.30	-31.85	39.05	29.10	54.00	17.70	H
11803.200	36.27	-31.85	39.05	29.07	54.00	17.73	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	42.40	-25.50	46.66	21.24	54.00	11.60	H
17957.100	42.36	-25.50	46.66	21.20	54.00	11.64	V
13334.900	37.82	-29.49	39.71	27.60	54.00	16.18	H
13371.800	37.79	-29.49	39.71	27.57	54.00	16.21	V
5350.200	42.61	-27.43	34.01	36.03	54.00	11.39	H
5352.300	42.57	-27.43	34.01	35.99	54.00	11.43	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)
17992.300	42.31	-25.50	46.66	21.15	54.00	11.69	V
17961.500	42.30	-25.50	46.66	21.14	54.00	11.70	H
13254.600	38.22	-29.67	39.55	28.34	54.00	15.78	V
13256.200	38.00	-29.67	39.55	28.12	54.00	16.00	V
5459.100	42.62	-27.18	34.17	35.63	54.00	11.38	H
5459.000	42.60	-27.18	34.17	35.61	54.00	11.40	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)
17987.900	42.20	-25.50	46.66	21.04	54.00	11.80	V
17936.200	42.17	-25.50	46.66	21.01	54.00	11.83	V
13300.800	37.91	-29.49	39.71	27.69	54.00	16.09	V
13375.600	37.88	-29.49	39.71	27.66	54.00	16.12	H
11800.400	36.41	-31.85	39.05	29.21	54.00	17.59	V
11818.000	36.38	-31.85	39.05	29.18	54.00	17.62	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)
17996.200	42.34	-25.50	46.66	21.18	54.00	11.66	V
17974.200	42.27	-25.50	46.66	21.11	54.00	11.73	H
13293.600	37.87	-29.49	39.71	27.65	54.00	16.13	V
13369.500	37.81	-29.49	39.71	27.59	54.00	16.19	V
11829.600	36.31	-31.85	39.05	29.11	54.00	17.69	H
11801.500	36.30	-31.85	39.05	29.10	54.00	17.70	H

Channel 144

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)
17989.500	42.63	-25.50	46.66	21.47	54.00	11.37	V
17966.500	42.58	-25.50	46.66	21.42	54.00	11.42	V
16045.300	38.59	-27.35	38.54	27.40	54.00	15.41	V
13332.700	38.52	-29.49	39.71	28.30	54.00	15.48	H
11859.800	36.68	-31.85	39.05	29.48	54.00	17.32	H

11822.400	36.56	-31.85	39.05	29.36	54.00	17.44	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)
17956.000	42.37	-25.50	46.66	21.21	54.00	11.63	V
17978.500	42.30	-25.50	46.66	21.14	54.00	11.70	H
13285.400	37.95	-29.67	39.55	28.07	54.00	16.05	H
13263.400	37.86	-29.67	39.55	27.98	54.00	16.14	H
5150.000	50.41	-27.61	33.67	44.35	54.00	3.59	H
5149.800	50.24	-27.61	33.67	44.18	54.00	3.76	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)
17995.600	42.46	-25.50	46.66	21.30	54.00	11.54	H
17951.000	42.42	-25.50	46.66	21.26	54.00	11.58	H
13274.400	38.04	-29.67	39.55	28.16	54.00	15.96	V
13334.900	38.03	-29.49	39.71	27.81	54.00	15.97	H
11823.000	36.74	-31.85	39.05	29.54	54.00	17.26	H
11832.300	36.40	-31.85	39.05	29.20	54.00	17.60	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)
17987.900	42.47	-25.50	46.66	21.31	54.00	11.53	V
17996.200	42.36	-25.50	46.66	21.20	54.00	11.64	V
13323.900	37.88	-29.49	39.71	27.66	54.00	16.12	H
13307.400	37.84	-29.49	39.71	27.62	54.00	16.16	V
11908.800	36.46	-31.85	39.05	29.26	54.00	17.54	H
11885.700	36.45	-31.85	39.05	29.25	54.00	17.55	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)
17990.100	42.71	-25.50	46.66	21.55	54.00	11.29	H
17983.500	42.40	-25.50	46.66	21.24	54.00	11.60	H
13276.000	37.87	-29.67	39.55	27.99	54.00	16.13	H
13328.300	37.78	-29.49	39.71	27.56	54.00	16.22	V
5350.100	46.61	-27.43	34.01	40.03	54.00	7.39	H
5350.200	46.47	-27.43	34.01	39.89	54.00	7.53	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)
17996.700	42.38	-25.50	46.66	21.22	54.00	11.62	V
17981.300	42.37	-25.50	46.66	21.21	54.00	11.63	V
13356.900	38.08	-29.49	39.71	27.86	54.00	15.92	H
13257.400	37.80	-29.67	39.55	27.92	54.00	16.20	V
5459.700	40.62	-27.18	34.17	33.63	54.00	13.38	H
5436.800	40.59	-27.18	34.17	33.60	54.00	13.41	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)
17982.400	42.38	-25.50	46.66	21.22	54.00	11.62	V
17980.200	42.32	-25.50	46.66	21.16	54.00	11.68	H
13319.500	37.75	-29.49	39.71	27.53	54.00	16.25	V
13281.500	37.73	-29.67	39.55	27.85	54.00	16.27	V
11791.100	36.43	-31.99	38.98	29.44	54.00	17.57	H
11891.700	36.26	-31.85	39.05	29.06	54.00	17.74	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)
17984.600	42.42	-25.50	46.66	21.26	54.00	11.58	H
17972.000	42.40	-25.50	46.66	21.24	54.00	11.60	V
13357.500	37.93	-29.49	39.71	27.71	54.00	16.07	H
13332.700	37.83	-29.49	39.71	27.61	54.00	16.17	V
11833.400	36.43	-31.85	39.05	29.23	54.00	17.57	H
11886.200	36.41	-31.85	39.05	29.21	54.00	17.59	H

Channel 142

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)
17945.000	42.46	-25.50	46.66	21.30	54.00	11.54	V
17963.200	42.42	-25.50	46.66	21.26	54.00	11.58	H
15654.200	37.99	-27.23	38.61	26.61	54.00	16.01	V
13259.000	37.98	-29.67	39.55	28.10	54.00	16.02	V
11864.200	36.43	-31.85	39.05	29.23	54.00	17.57	V
11869.700	36.38	-31.85	39.05	29.18	54.00	17.62	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)
17956.500	42.39	-25.50	46.66	21.23	54.00	11.61	V
17988.500	42.37	-25.50	46.66	21.21	54.00	11.63	V
13387.100	37.86	-29.49	39.71	27.64	54.00	16.14	H
13317.300	37.85	-29.49	39.71	27.63	54.00	16.15	H
5149.600	51.15	-27.61	33.67	45.09	54.00	2.85	H
5149.800	51.11	-27.61	33.67	45.05	54.00	2.89	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)
17998.900	42.77	-25.50	46.66	21.61	54.00	11.23	V
17995.600	42.47	-25.50	46.66	21.31	54.00	11.53	H
13321.100	37.84	-29.49	39.71	27.62	54.00	16.16	H
13392.600	37.81	-29.49	39.71	27.59	54.00	16.19	H
5350.100	48.11	-27.43	34.01	41.53	54.00	5.89	H
5350.200	48.04	-27.43	34.01	41.46	54.00	5.96	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)
17990.100	42.42	-25.50	46.66	21.26	54.00	11.58	V
17984.000	42.41	-25.50	46.66	21.25	54.00	11.59	H
13299.100	37.84	-29.49	39.71	27.62	54.00	16.16	V
13255.100	37.83	-29.67	39.55	27.95	54.00	16.17	V
5457.600	41.86	-27.18	34.17	34.87	54.00	12.14	H
5457.900	41.82	-27.18	34.17	34.83	54.00	12.18	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)
17992.800	42.40	-25.50	46.66	21.24	54.00	11.60	V
17981.300	42.35	-25.50	46.66	21.19	54.00	11.65	V
13309.600	37.93	-29.49	39.71	27.71	54.00	16.07	H
13295.900	37.89	-29.49	39.71	27.67	54.00	16.11	H
11802.600	36.53	-31.85	39.05	29.33	54.00	17.47	H
11842.200	36.44	-31.85	39.05	29.24	54.00	17.56	H

Channel 138

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	42.35	-25.50	46.66	21.19	54.00	11.65	H
17947.800	42.23	-25.50	46.66	21.07	54.00	11.77	V
13344.800	37.83	-29.49	39.71	27.61	54.00	16.17	H
13332.100	37.81	-29.49	39.71	27.59	54.00	16.19	V
11820.200	36.32	-31.85	39.05	29.12	54.00	17.68	H
11834.500	36.23	-31.85	39.05	29.03	54.00	17.77	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)
17957.700	53.82	-25.50	46.66	32.66	74.00	20.18	V
17987.900	53.69	-25.50	46.66	32.53	74.00	20.31	H
13711.100	50.85	-29.10	40.86	39.08	68.30	17.45	V
14295.800	50.59	-28.42	42.34	36.67	68.30	17.71	V
5148.500	69.04	-27.61	33.67	62.98	74.00	4.96	H
5148.800	68.96	-27.61	33.67	62.90	74.00	5.04	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)
17974.700	53.93	-25.50	46.66	32.77	74.00	20.07	H
17138.700	53.86	-26.60	43.36	37.10	68.30	14.44	V
13244.100	50.71	-29.67	39.55	40.83	68.30	17.59	V
13499.400	50.31	-29.56	39.99	39.88	68.30	17.99	H
11388.500	49.43	-32.42	38.79	43.06	74.00	24.57	V
11868.100	48.75	-31.85	39.05	41.55	74.00	25.25	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)
17947.200	54.36	-25.50	46.66	33.20	74.00	19.64	H
17988.500	53.79	-25.50	46.66	32.63	74.00	20.21	H
13784.200	51.57	-29.10	40.86	39.80	68.30	16.73	V
13770.500	50.75	-29.10	40.86	38.98	68.30	17.55	H
11913.700	48.75	-31.48	39.09	41.14	74.00	25.25	V
9165.400	48.17	-33.85	38.08	43.94	74.00	25.83	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)
17975.800	54.39	-25.50	46.66	33.23	74.00	19.61	V
17578.200	54.33	-25.74	45.95	34.12	68.30	13.97	H
13543.900	50.90	-29.56	39.99	40.47	68.30	17.40	V
13757.900	50.85	-29.10	40.86	39.08	68.30	17.45	V
11818.000	48.64	-31.85	39.05	41.44	74.00	25.36	H
11878.500	48.41	-31.85	39.05	41.21	74.00	25.59	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)
17255.800	54.09	-25.95	44.35	35.68	68.30	14.21	V
17992.800	53.80	-25.50	46.66	32.64	74.00	20.20	V
13647.900	51.67	-29.50	40.43	40.74	68.30	16.63	V
13709.500	50.31	-29.10	40.86	38.54	68.30	17.99	V
11474.800	48.32	-32.26	38.84	41.75	74.00	25.68	H
11896.100	48.19	-31.85	39.05	40.99	74.00	25.81	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)
17690.300	54.07	-25.74	45.95	33.86	68.30	14.23	V
17692.500	53.76	-25.74	45.95	33.55	68.30	14.54	V
13721.500	51.86	-29.10	40.86	40.09	68.30	16.44	H
13590.100	51.28	-29.50	40.43	40.35	68.30	17.02	V
5357.300	56.07	-27.43	34.01	49.49	74.00	17.93	H
5350.300	55.74	-27.43	34.01	49.16	74.00	18.26	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)
17988.500	54.35	-25.50	46.66	33.19	74.00	19.65	V
17990.100	54.19	-25.50	46.66	33.03	74.00	19.81	H
13635.200	51.22	-29.50	40.43	40.29	68.30	17.08	H
13567.000	51.03	-29.50	40.43	40.10	68.30	17.27	V
5459.100	56.25	-27.18	34.17	49.26	74.00	17.75	H
5469.400	64.22	-27.18	34.17	57.23	68.30	4.08	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)
17403.800	54.86	-26.85	45.25	36.46	68.30	13.44	V
17932.300	53.88	-25.50	46.66	32.72	74.00	20.12	H
13690.200	50.68	-29.50	40.43	39.75	68.30	17.62	V
13649.000	50.54	-29.50	40.43	39.61	68.30	17.76	H
11813.600	48.02	-31.85	39.05	40.82	74.00	25.98	H
10831.900	47.95	-32.33	38.59	41.69	74.00	26.05	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)
17997.800	53.74	-25.50	46.66	32.58	74.00	20.26	V
17996.700	53.66	-25.50	46.66	32.50	74.00	20.34	H
13677.500	50.90	-29.50	40.43	39.97	68.30	17.40	H
13647.300	50.79	-29.50	40.43	39.86	68.30	17.51	V
5725.900	67.08	-27.07	34.31	59.84	68.30	1.22	H
5726.100	67.06	-27.07	34.31	59.82	68.30	1.24	H

Channel 144

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)
17293.800	55.20	-25.95	44.35	36.79	68.30	13.10	H
17915.800	54.57	-25.50	46.66	33.41	74.00	19.43	V
16620.000	52.56	-26.87	40.65	38.78	68.30	15.74	V
16727.300	52.27	-26.62	41.49	37.40	68.30	16.03	H
11768.000	48.91	-31.99	38.98	41.92	74.00	25.09	H

11353.300	48.46	-32.42	38.79	42.09	74.00	25.54	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)
17998.300	54.23	-25.50	46.66	33.07	74.00	19.77	H
17981.300	54.08	-25.50	46.66	32.92	74.00	19.92	H
13807.400	50.63	-29.10	40.86	38.86	68.30	17.67	V
13656.100	50.60	-29.50	40.43	39.67	68.30	17.70	V
5149.200	69.70	-27.61	33.67	63.64	74.00	4.30	H
5148.700	69.40	-27.61	33.67	63.34	74.00	4.60	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)
17968.100	54.16	-25.50	46.66	33.00	74.00	19.84	V
17989.000	54.11	-25.50	46.66	32.95	74.00	19.89	H
13719.900	50.76	-29.10	40.86	38.99	68.30	17.54	H
13794.100	50.61	-29.10	40.86	38.84	68.30	17.69	V
11869.700	48.37	-31.85	39.05	41.17	74.00	25.63	V
10517.300	48.09	-32.99	38.27	42.80	68.30	20.21	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)
17996.700	54.22	-25.50	46.66	33.06	74.00	19.78	V
17920.800	54.19	-25.50	46.66	33.03	74.00	19.81	H
13897.500	50.61	-29.51	41.30	38.82	68.30	17.69	V
14634.500	50.19	-27.29	41.90	35.58	68.30	18.11	V
11803.200	48.23	-31.85	39.05	41.03	74.00	25.77	V
11945.600	48.20	-31.48	39.09	40.59	74.00	25.80	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)
17961.500	54.12	-25.50	46.66	32.96	74.00	19.88	H
17305.300	53.76	-25.95	44.35	35.35	68.30	14.54	V
14238.000	50.57	-28.99	42.00	37.55	68.30	17.73	V
13791.400	50.42	-29.10	40.86	38.65	68.30	17.88	H
11885.700	48.00	-31.85	39.05	40.80	74.00	26.00	H
11832.300	47.81	-31.85	39.05	40.61	74.00	26.19	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)
17997.200	54.12	-25.50	46.66	32.96	74.00	19.88	V
17953.800	54.02	-25.50	46.66	32.86	74.00	19.98	V
13716.600	51.14	-29.10	40.86	39.37	68.30	17.16	H
13662.100	50.74	-29.50	40.43	39.81	68.30	17.56	V
11974.200	48.67	-31.48	39.09	41.06	74.00	25.33	V
11906.600	48.19	-31.85	39.05	40.99	74.00	25.81	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)
17937.300	53.86	-25.50	46.66	32.70	74.00	20.14	V
17767.900	53.63	-25.50	46.66	32.47	74.00	20.37	V
13647.900	50.39	-29.50	40.43	39.46	68.30	17.91	H
14088.400	50.39	-29.44	41.66	38.17	68.30	17.91	H
5352.100	57.95	-27.43	34.01	51.37	74.00	16.05	H
5350.100	57.65	-27.43	34.01	51.07	74.00	16.35	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	54.09	-25.50	46.66	32.93	74.00	19.91	H
17915.300	54.02	-25.50	46.66	32.86	74.00	19.98	H
13776.500	50.56	-29.10	40.86	38.79	68.30	17.74	V
13697.900	50.52	-29.10	40.86	38.75	68.30	17.78	H
5456.400	56.17	-27.18	34.17	49.18	74.00	17.83	H
5469.300	65.21	-27.18	34.17	58.22	68.30	3.09	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)
17973.600	54.66	-25.50	46.66	33.50	74.00	19.34	H
17930.700	54.31	-25.50	46.66	33.15	74.00	19.69	V
14181.900	50.91	-28.99	42.00	37.89	68.30	17.39	V
13751.800	50.73	-29.10	40.86	38.96	68.30	17.57	H
11908.800	48.51	-31.85	39.05	41.31	74.00	25.49	V
11819.100	48.27	-31.85	39.05	41.07	74.00	25.73	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)
17986.800	54.71	-25.50	46.66	33.55	74.00	19.29	V
17915.800	54.07	-25.50	46.66	32.91	74.00	19.93	V
13443.800	50.52	-29.56	39.99	40.09	68.30	17.78	V
13642.900	50.47	-29.50	40.43	39.54	68.30	17.83	V
5725.000	66.52	-27.07	34.31	59.28	68.30	1.78	H
5726.400	65.27	-27.07	34.31	58.03	68.30	3.03	H

Channel 144

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)
17937.300	54.62	-25.50	46.66	33.46	74.00	19.38	H
17799.800	54.55	-25.50	46.66	33.39	74.00	19.45	H
16452.800	51.74	-26.96	39.82	38.88	68.30	16.56	H
16539.200	51.70	-26.96	39.82	38.84	68.30	16.60	V
11814.700	48.26	-31.85	39.05	41.06	74.00	25.74	H

11371.400	48.04	-32.42	38.79	41.67	74.00	25.96	V
-----------	-------	--------	-------	-------	-------	-------	---

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)
17996.700	54.31	-25.50	46.66	33.15	74.00	19.69	H
17997.200	53.66	-25.50	46.66	32.50	74.00	20.34	H
14216.000	51.02	-28.99	42.00	38.00	68.30	17.28	V
13603.300	50.99	-29.50	40.43	40.06	68.30	17.31	V
5149.600	73.19	-27.61	33.67	67.13	74.00	0.81	H
5148.000	68.84	-27.61	33.67	62.78	74.00	5.16	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)
17973.000	54.23	-25.50	46.66	33.07	74.00	19.77	V
17977.500	54.06	-25.50	46.66	32.90	74.00	19.94	V
13736.400	51.38	-29.10	40.86	39.61	68.30	16.92	V
13721.500	50.84	-29.10	40.86	39.07	68.30	17.46	H
11787.200	48.34	-31.99	38.98	41.35	74.00	25.66	V
11918.100	48.32	-31.48	39.09	40.71	74.00	25.68	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)
17991.200	54.30	-25.50	46.66	33.14	74.00	19.70	H
17990.700	54.29	-25.50	46.66	33.13	74.00	19.71	H
14128.000	50.74	-28.99	42.00	37.72	68.30	17.56	V
13590.100	50.70	-29.50	40.43	39.77	68.30	17.60	V
11852.100	47.79	-31.85	39.05	40.59	74.00	26.21	H
11920.900	47.77	-31.48	39.09	40.16	74.00	26.23	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)
17969.800	53.87	-25.50	46.66	32.71	74.00	20.13	V
17202.500	53.63	-26.60	43.36	36.87	68.30	14.67	H
13701.800	51.44	-29.10	40.86	39.67	68.30	16.86	V
13788.600	50.40	-29.10	40.86	38.63	68.30	17.90	H
5350.300	64.99	-27.43	34.01	58.41	74.00	9.01	H
5350.000	64.87	-27.43	34.01	58.29	74.00	9.13	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)
17983.000	55.55	-25.50	46.66	34.39	74.00	18.45	V
17972.500	54.52	-25.50	46.66	33.36	74.00	19.48	H
13712.200	51.59	-29.10	40.86	39.82	68.30	16.71	H
13641.200	50.58	-29.50	40.43	39.65	68.30	17.72	V
5458.600	62.14	-27.18	34.17	55.15	74.00	11.86	H
5470.000	64.54	-27.18	34.17	57.55	68.30	3.76	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)
17700.200	54.16	-25.74	45.95	33.95	74.00	19.84	H
17945.000	54.12	-25.50	46.66	32.96	74.00	19.88	H
13725.400	51.05	-29.10	40.86	39.28	68.30	17.25	H
13757.900	50.94	-29.10	40.86	39.17	68.30	17.36	H
11873.000	49.30	-31.85	39.05	42.10	74.00	24.70	V
11868.100	48.77	-31.85	39.05	41.57	74.00	25.23	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)
17423.600	54.74	-26.85	45.25	36.34	68.30	13.56	H
17593.500	54.23	-25.74	45.95	34.02	68.30	14.07	H
14237.500	50.77	-28.99	42.00	37.75	68.30	17.53	V
13585.700	50.48	-29.50	40.43	39.55	68.30	17.82	V
5730.500	61.36	-27.07	34.31	54.12	68.30	6.94	H
5727.000	61.34	-27.07	34.31	54.10	68.30	6.96	H

Channel 142

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	54.16	-25.50	46.66	33.00	74.00	19.84	H
17222.800	53.83	-25.95	44.35	35.42	68.30	14.47	V
16470.500	52.51	-26.96	39.82	39.65	68.30	15.79	H
16590.900	51.82	-26.87	40.65	38.04	68.30	16.48	H
11997.900	48.67	-31.48	39.09	41.06	74.00	25.33	H
11798.800	48.07	-31.85	39.05	40.87	74.00	25.93	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)
17957.700	54.19	-25.50	46.66	33.03	74.00	19.81	V
17517.700	54.15	-26.85	45.25	35.75	68.30	14.15	H
13808.500	50.99	-29.10	40.86	39.22	68.30	17.31	V
13770.500	50.68	-29.10	40.86	38.91	68.30	17.62	V
5149.200	68.85	-27.61	33.67	62.79	74.00	5.15	H
5148.600	68.46	-27.61	33.67	62.40	74.00	5.54	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)
17953.800	54.21	-25.50	46.66	33.05	74.00	19.79	V
17989.500	54.04	-25.50	46.66	32.88	74.00	19.96	V
13648.400	51.26	-29.50	40.43	40.33	68.30	17.04	H
13767.200	50.58	-29.10	40.86	38.81	68.30	17.72	V
11862.000	48.62	-31.85	39.05	41.42	74.00	25.38	H
11837.300	47.99	-31.85	39.05	40.79	74.00	26.01	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)
17921.300	54.89	-25.50	46.66	33.73	74.00	19.11	V
17403.200	53.93	-26.85	45.25	35.53	68.30	14.37	V
13721.000	51.24	-29.10	40.86	39.47	68.30	17.06	V
13740.200	50.91	-29.10	40.86	39.14	68.30	17.39	H
11803.200	48.67	-31.85	39.05	41.47	74.00	25.33	V
11994.000	47.98	-31.48	39.09	40.37	74.00	26.02	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)
17998.300	54.60	-25.50	46.66	33.44	74.00	19.40	H
17949.400	54.51	-25.50	46.66	33.35	74.00	19.49	V
13727.000	50.66	-29.10	40.86	38.89	68.30	17.64	V
13615.400	50.10	-29.50	40.43	39.17	68.30	18.20	H
11833.400	48.51	-31.85	39.05	41.31	74.00	25.49	V
11697.000	48.12	-31.99	38.98	41.13	74.00	25.88	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)
17976.300	54.11	-25.50	46.66	32.95	74.00	19.89	V
17942.200	54.09	-25.50	46.66	32.93	74.00	19.91	H
13708.900	50.95	-29.10	40.86	39.18	68.30	17.35	H
14203.900	50.67	-28.99	42.00	37.65	68.30	17.63	V
11805.400	48.47	-31.85	39.05	41.27	74.00	25.53	H
9541.600	48.09	-33.19	37.93	43.36	68.30	20.21	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)
17797.600	53.93	-25.50	46.66	32.77	74.00	20.07	V
17903.800	53.88	-25.50	46.66	32.72	74.00	20.12	H
14198.400	51.00	-28.99	42.00	37.98	68.30	17.30	V
13796.400	50.72	-29.10	40.86	38.95	68.30	17.58	V
5351.900	56.51	-27.43	34.01	49.93	74.00	17.49	H
5353.800	56.42	-27.43	34.01	49.84	74.00	17.58	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)
17950.500	55.02	-25.50	46.66	33.86	74.00	18.98	H
17981.800	54.81	-25.50	46.66	33.65	74.00	19.19	H
13639.600	50.76	-29.50	40.43	39.83	68.30	17.54	V
13654.500	50.44	-29.50	40.43	39.51	68.30	17.86	H
5456.400	55.23	-27.18	34.17	48.24	74.00	18.77	H
5468.700	63.34	-27.18	34.17	56.35	68.30	4.96	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)
17931.800	54.01	-25.50	46.66	32.85	74.00	19.99	H
17962.600	53.65	-25.50	46.66	32.49	74.00	20.35	H
14201.700	50.65	-28.99	42.00	37.63	68.30	17.65	H
13565.900	50.54	-29.50	40.43	39.61	68.30	17.76	H
11912.100	48.63	-31.85	39.05	41.43	74.00	25.37	V
11876.900	48.30	-31.85	39.05	41.10	74.00	25.70	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)
17995.600	54.49	-25.50	46.66	33.33	74.00	19.51	V
17954.300	53.83	-25.50	46.66	32.67	74.00	20.17	V
14292.500	50.81	-28.42	42.34	36.89	68.30	17.49	V
14187.400	50.63	-28.99	42.00	37.61	68.30	17.67	V
5725.500	65.75	-27.07	34.31	58.51	68.30	2.55	H
5727.800	65.44	-27.07	34.31	58.20	68.30	2.86	H

Channel 144

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	54.39	-25.50	46.66	33.23	74.00	19.61	V
17975.200	53.88	-25.50	46.66	32.72	74.00	20.12	H
16656.300	52.73	-26.87	40.65	38.95	68.30	15.57	V
16553.000	52.30	-26.87	40.65	38.52	68.30	16.00	V
10735.600	48.33	-32.77	38.49	42.61	74.00	25.67	V

11601.900	48.31	-32.31	38.91	41.72	74.00	25.69	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)
17930.700	54.16	-25.50	46.66	33.00	74.00	19.84	H
17956.500	53.69	-25.50	46.66	32.53	74.00	20.31	V
13786.500	50.73	-29.10	40.86	38.96	68.30	17.57	H
13574.100	50.59	-29.50	40.43	39.66	68.30	17.71	V
5149.800	71.95	-27.61	33.67	65.89	74.00	2.05	H
5146.400	71.76	-27.61	33.67	65.70	74.00	2.24	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)
17994.500	53.85	-25.50	46.66	32.69	74.00	20.15	V
17684.800	53.84	-25.74	45.95	33.63	68.30	14.46	H
14216.500	50.71	-28.99	42.00	37.69	68.30	17.59	H
13712.800	50.64	-29.10	40.86	38.87	68.30	17.66	V
11747.600	47.97	-31.99	38.98	40.98	74.00	26.03	V
11840.600	47.85	-31.85	39.05	40.65	74.00	26.15	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)
17975.800	53.88	-25.50	46.66	32.72	74.00	20.12	V
17959.300	53.77	-25.50	46.66	32.61	74.00	20.23	V
13737.000	51.29	-29.10	40.86	39.52	68.30	17.01	H
13695.100	51.12	-29.10	40.86	39.35	68.30	17.18	V
11920.300	48.11	-31.48	39.09	40.50	74.00	25.89	H
11911.000	48.08	-31.85	39.05	40.88	74.00	25.92	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)
17989.000	54.76	-25.50	46.66	33.60	74.00	19.24	V
17980.800	53.75	-25.50	46.66	32.59	74.00	20.25	H
13655.500	51.08	-29.50	40.43	40.15	68.30	17.22	H
13616.000	50.72	-29.50	40.43	39.79	68.30	17.58	V
5350.100	64.70	-27.43	34.01	58.12	74.00	9.30	H
5353.800	63.75	-27.43	34.01	57.17	74.00	10.25	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)
17984.000	54.63	-25.50	46.66	33.47	74.00	19.37	H
17961.500	54.33	-25.50	46.66	33.17	74.00	19.67	H
13647.900	50.93	-29.50	40.43	40.00	68.30	17.37	H
14306.200	50.93	-28.42	42.34	37.01	68.30	17.37	H
5451.800	54.73	-27.18	34.17	47.74	74.00	19.27	H
5464.100	61.11	-27.18	34.17	54.12	68.30	7.19	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)
17590.200	54.47	-25.74	45.95	34.26	68.30	13.83	V
17969.800	54.22	-25.50	46.66	33.06	74.00	19.78	V
13646.200	51.27	-29.50	40.43	40.34	68.30	17.03	V
14240.800	50.68	-28.99	42.00	37.66	68.30	17.62	V
11875.800	48.71	-31.85	39.05	41.51	74.00	25.29	H
11827.900	48.27	-31.85	39.05	41.07	74.00	25.73	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)
17934.000	54.06	-25.50	46.66	32.90	74.00	19.94	V
17998.900	54.02	-25.50	46.66	32.86	74.00	19.98	V
13641.200	50.77	-29.50	40.43	39.84	68.30	17.53	V
13630.200	50.55	-29.50	40.43	39.62	68.30	17.75	V
5727.400	59.86	-27.07	34.31	52.62	68.30	8.44	H
5725.700	59.70	-27.07	34.31	52.46	68.30	8.60	H

Channel 142

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)
17946.700	53.91	-25.50	46.66	32.75	74.00	20.09	V
17937.800	53.82	-25.50	46.66	32.66	74.00	20.18	V
16554.000	51.82	-26.87	40.65	38.04	68.30	16.48	H
16665.200	51.66	-26.87	40.65	37.88	68.30	16.64	V
11910.400	48.03	-31.85	39.05	40.83	74.00	25.97	H
11843.300	47.86	-31.85	39.05	40.66	74.00	26.14	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)
17981.300	53.89	-25.50	46.66	32.73	74.00	20.11	H
17705.800	53.87	-25.74	45.95	33.66	74.00	20.13	V
13639.000	51.01	-29.50	40.43	40.08	68.30	17.29	V
14124.100	50.74	-28.99	42.00	37.72	68.30	17.56	V
5148.300	71.81	-27.61	33.67	65.75	74.00	2.19	H
5149.000	70.86	-27.61	33.67	64.80	74.00	3.14	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)
17405.500	53.89	-26.85	45.25	35.49	68.30	14.41	V
17967.500	53.51	-25.50	46.66	32.35	74.00	20.49	V
14627.400	50.82	-27.29	41.90	36.21	68.30	17.48	H
13449.900	50.60	-29.56	39.99	40.17	68.30	17.70	H
5352.000	67.27	-27.43	34.01	60.69	74.00	6.73	H
5354.300	65.96	-27.43	34.01	59.38	74.00	8.04	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)
17996.200	54.03	-25.50	46.66	32.87	74.00	19.97	V
17968.700	54.01	-25.50	46.66	32.85	74.00	19.99	H
13722.100	51.21	-29.10	40.86	39.44	68.30	17.09	V
13620.400	50.28	-29.50	40.43	39.35	68.30	18.02	V
5458.400	62.54	-27.18	34.17	55.55	74.00	11.46	H
5466.800	62.40	-27.18	34.17	55.41	68.30	5.90	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)
17829.500	53.42	-25.50	46.66	32.26	74.00	20.58	H
17994.000	53.40	-25.50	46.66	32.24	74.00	20.60	V
13650.000	50.64	-29.50	40.43	39.71	68.30	17.66	H
14191.200	50.54	-28.99	42.00	37.52	68.30	17.76	H
5725.600	57.23	-27.07	34.31	49.99	68.30	11.07	H
5727.200	56.75	-27.07	34.31	49.51	68.30	11.55	H

Channel 138

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)
17939.500	53.85	-25.50	46.66	32.69	74.00	20.15	V
17993.400	53.77	-25.50	46.66	32.61	74.00	20.23	H
16529.800	51.44	-26.96	39.82	38.58	68.30	16.86	H
16529.300	51.30	-26.96	39.82	38.44	68.30	17.00	H
11821.900	48.21	-31.85	39.05	41.01	74.00	25.79	V
11841.700	48.15	-31.85	39.05	40.95	74.00	25.85	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 $U = 3.10\text{dB}$, $k=2$.

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:

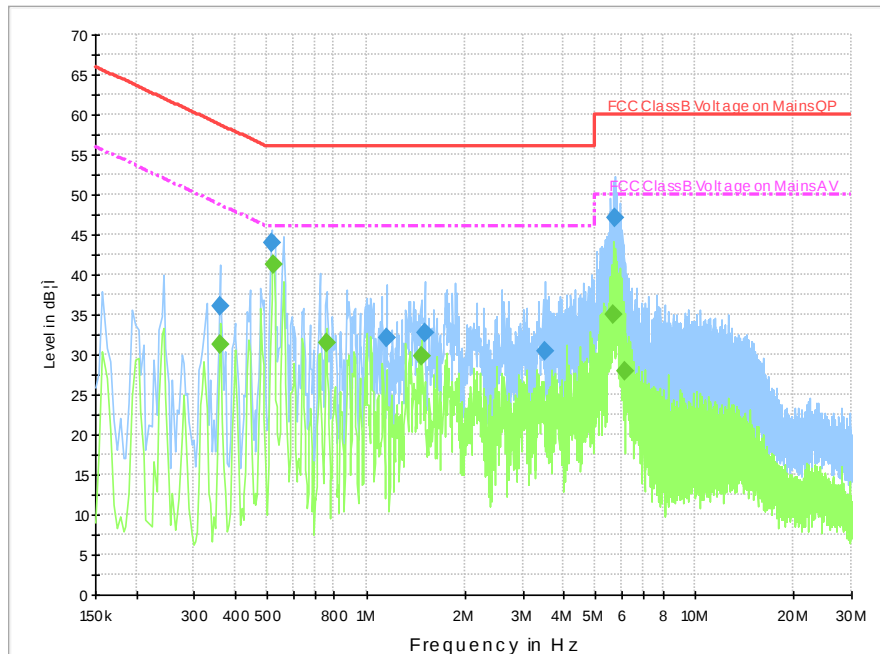


Fig.58 Conducted Emission (802.11a, Ch36, TX)

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)
0.358000	36.1	2000.0	9.000	On	N	19.9	22.6	58.8
0.514000	44.0	2000.0	9.000	On	L1	19.9	12.0	56.0
1.154000	32.1	2000.0	9.000	On	N	19.8	23.9	56.0
1.506000	32.8	2000.0	9.000	On	N	19.8	23.2	56.0
3.490000	30.5	2000.0	9.000	On	N	19.7	25.5	56.0
5.706000	47.0	2000.0	9.000	On	L1	19.5	13.0	60.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.362000	31.3	2000.0	9.000	On	L1	19.9	17.3	48.7
0.522000	41.2	2000.0	9.000	On	L1	19.9	4.8	46.0
0.758000	31.5	2000.0	9.000	On	L1	19.7	14.5	46.0
1.470000	29.8	2000.0	9.000	On	L1	19.5	16.2	46.0
5.678000	34.9	2000.0	9.000	On	L1	19.5	15.1	50.0
6.130000	27.9	2000.0	9.000	On	L1	19.6	22.1	50.0

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

Idle:

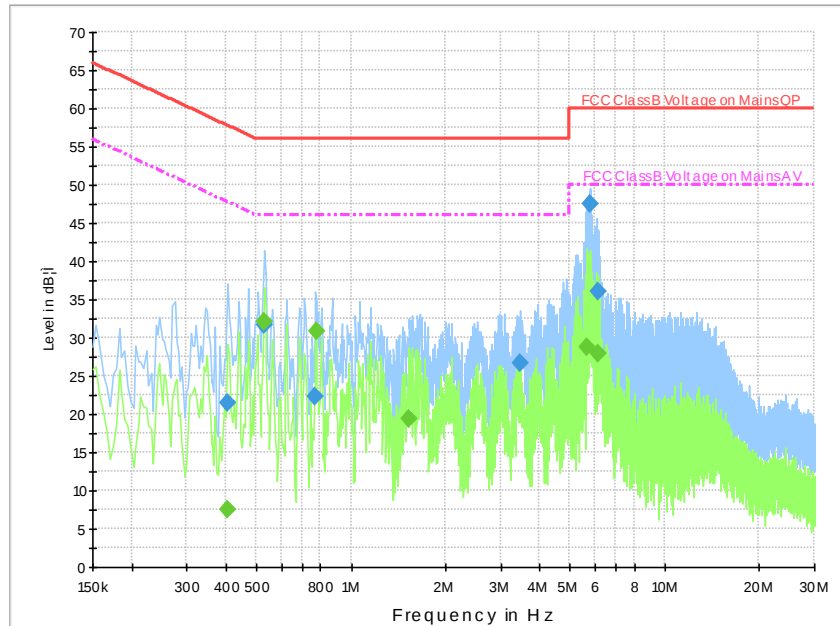


Fig.59 Conducted Emission(802.11a, IDLE)

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)
0.406000	21.4	2000.0	9.000	On	N	19.9	36.3	57.7
0.530000	31.7	2000.0	9.000	On	L1	19.9	24.3	56.0
0.770000	22.3	2000.0	9.000	On	N	19.8	33.7	56.0
3.466000	26.7	2000.0	9.000	On	N	19.7	29.3	56.0
5.814000	47.5	2000.0	9.000	On	L1	19.5	12.5	60.0
6.134000	36.1	2000.0	9.000	On	L1	19.6	23.9	60.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.406000	7.5	2000.0	9.000	On	L1	19.9	40.2	47.7
0.530000	32.1	2000.0	9.000	On	L1	19.9	13.9	46.0
0.774000	30.9	2000.0	9.000	On	L1	19.7	15.1	46.0
1.534000	19.3	2000.0	9.000	On	L1	19.5	26.7	46.0
5.654000	28.8	2000.0	9.000	On	L1	19.5	21.2	50.0
6.122000	27.8	2000.0	9.000	On	L1	19.6	22.2	50.0

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	17.48	P
	5200 MHz	Fig.61	17.60	P
	5240 MHz	Fig.62	17.48	P
802.11ac HT20	5180 MHz	Fig.63	18.24	P
	5200 MHz	Fig.64	18.32	P
	5240 MHz	Fig.65	18.32	P
802.11ac HT40	5190 MHz	Fig.66	36.40	P
	5230 MHz	Fig.67	36.32	P
802.11ac HT80	5210 MHz	Fig.68	75.84	P

Conclusion: PASS

Test graphs as below:

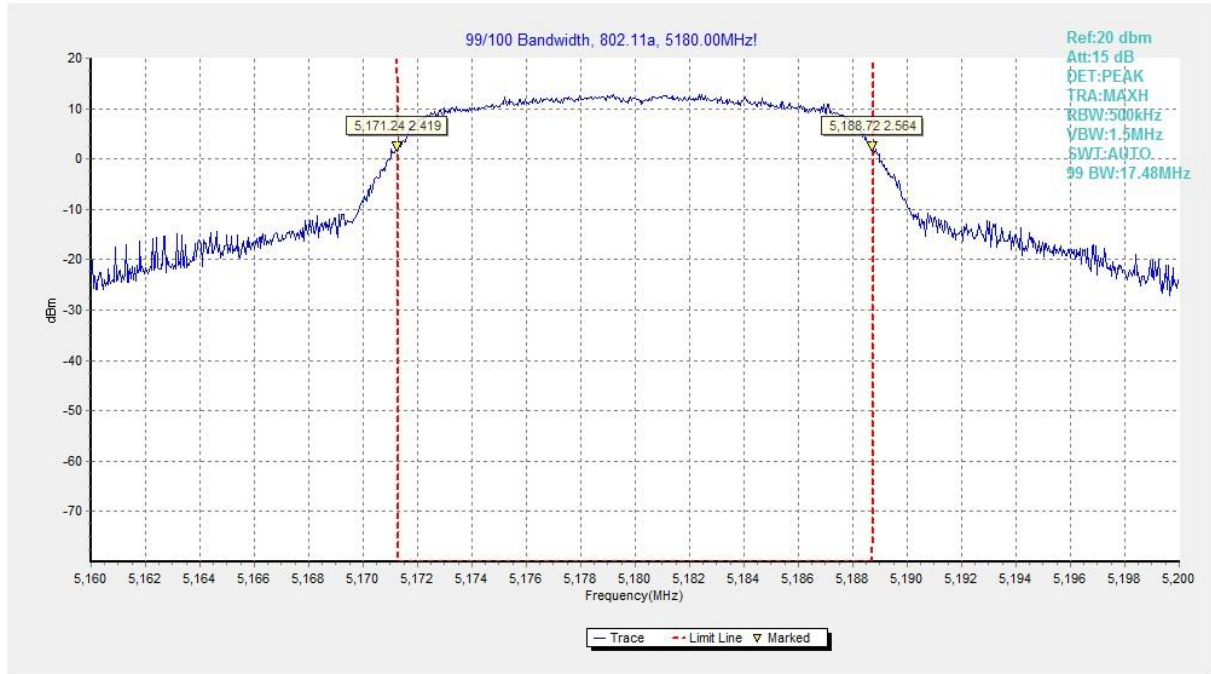


Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)

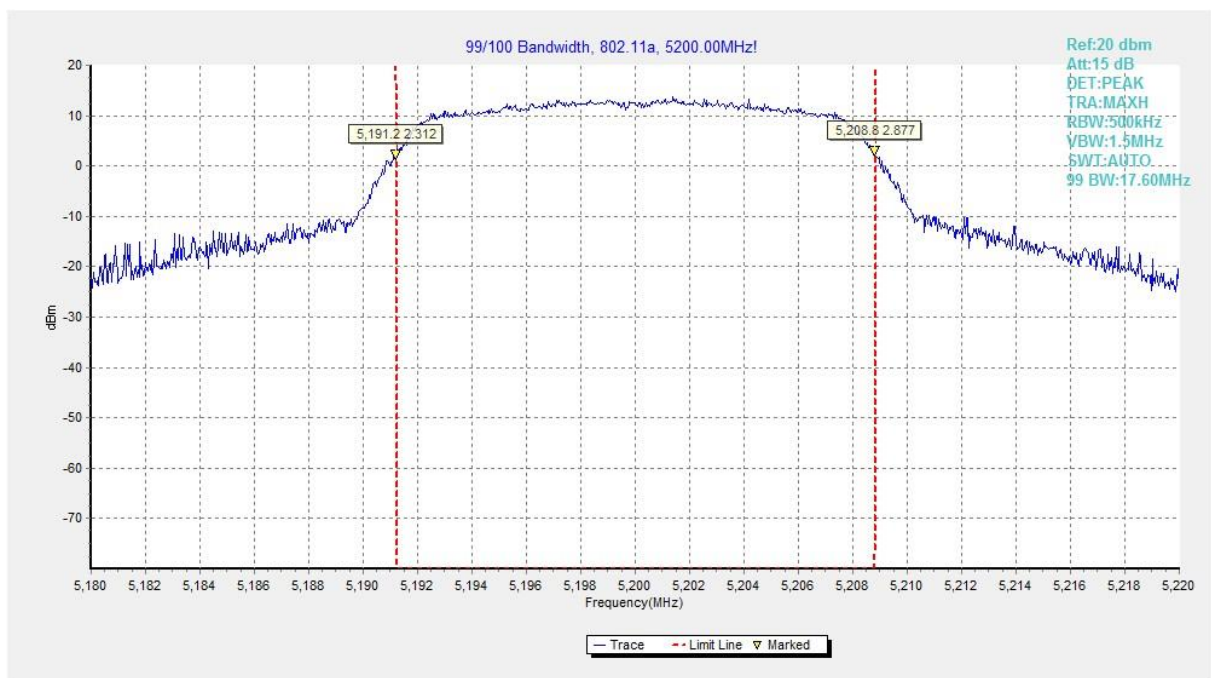


Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)

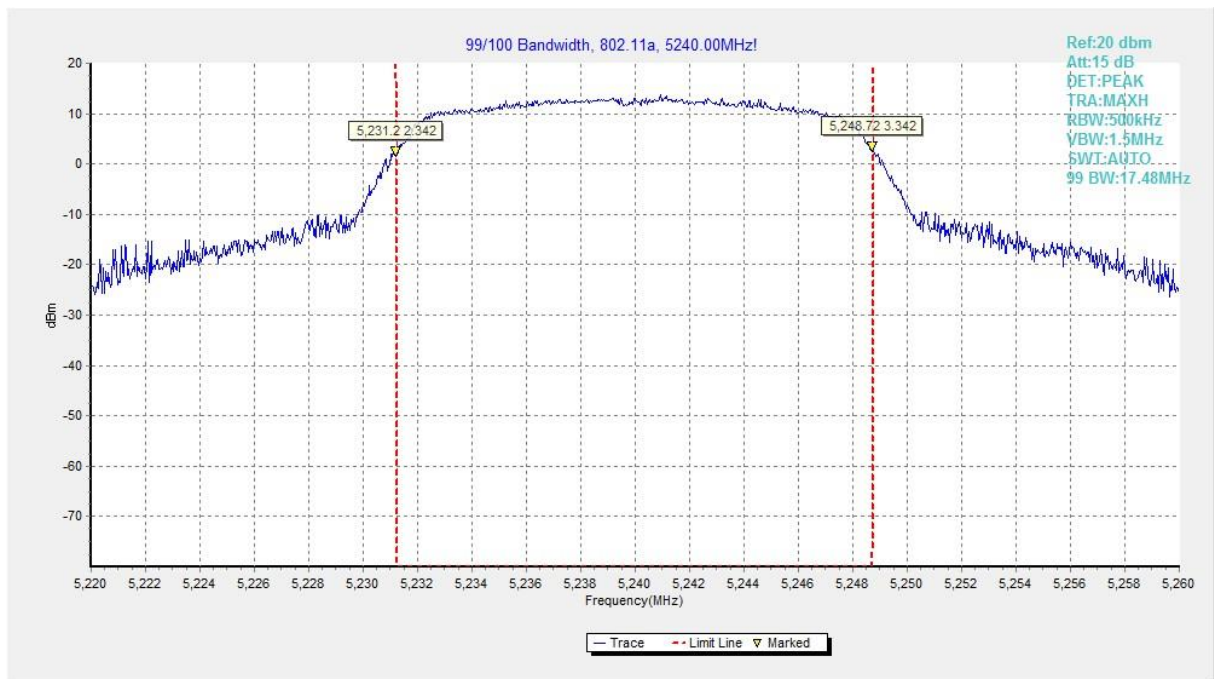


Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)

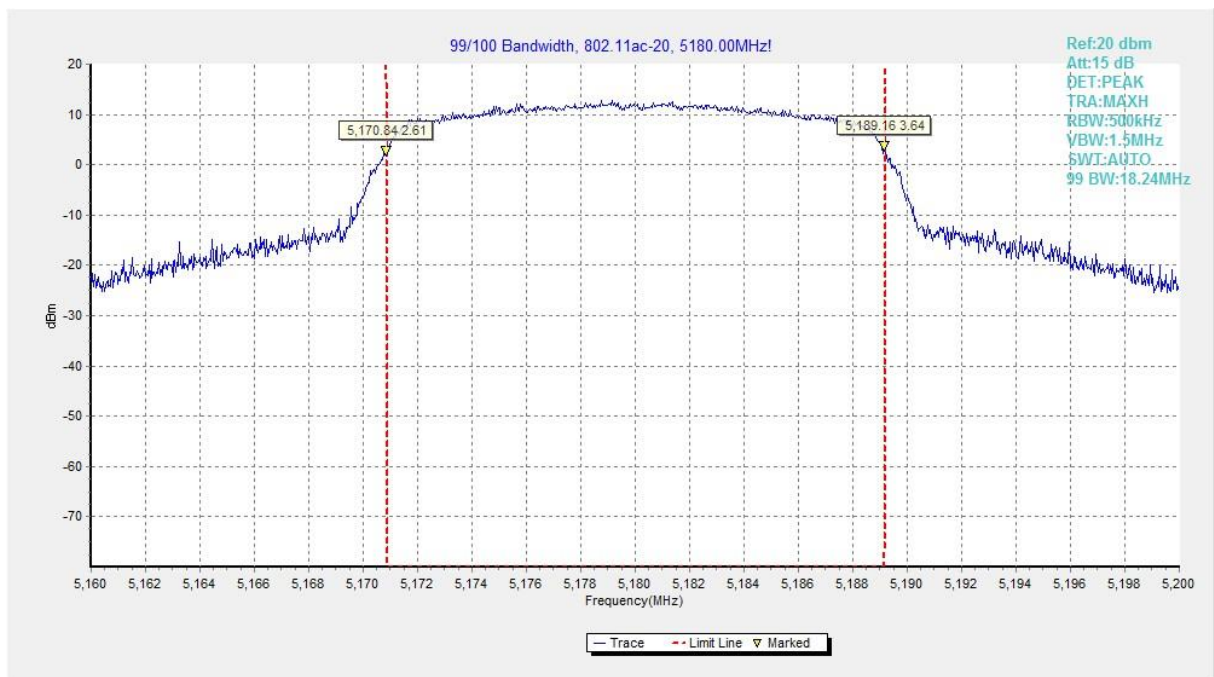


Fig.63 99% Occupied bandwidth (802.11ac-HT20, 5180MHz)

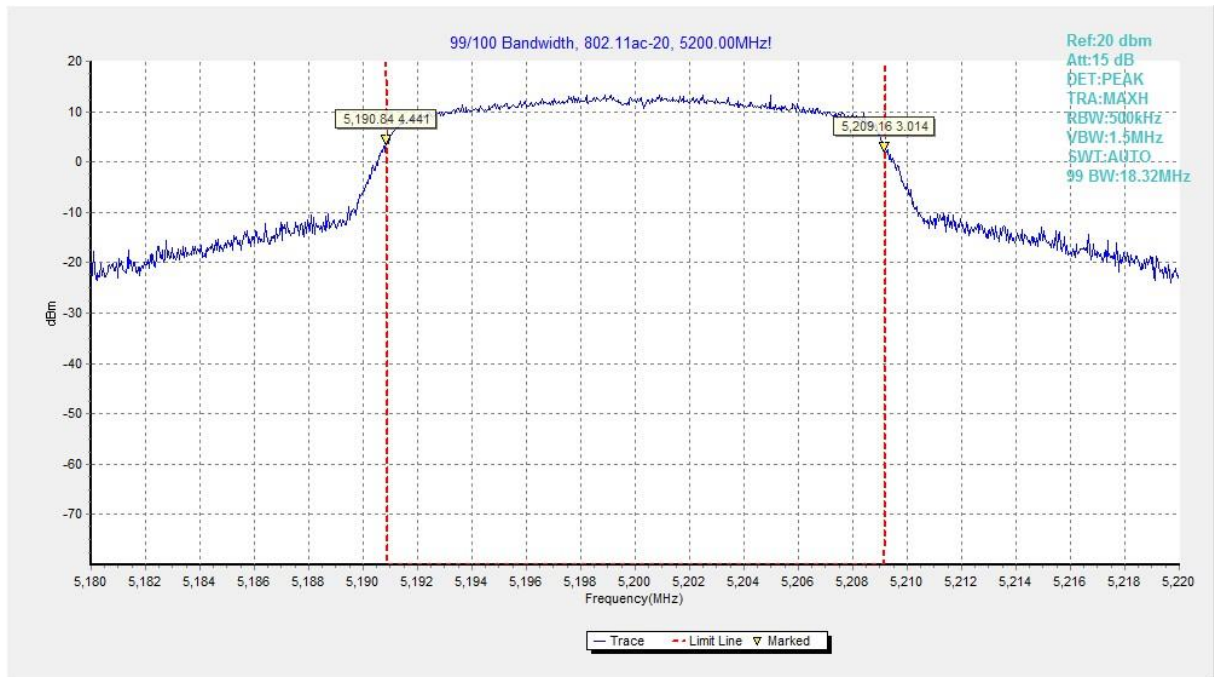


Fig.64 99% Occupied bandwidth (802.11ac-HT20, 5200MHz)

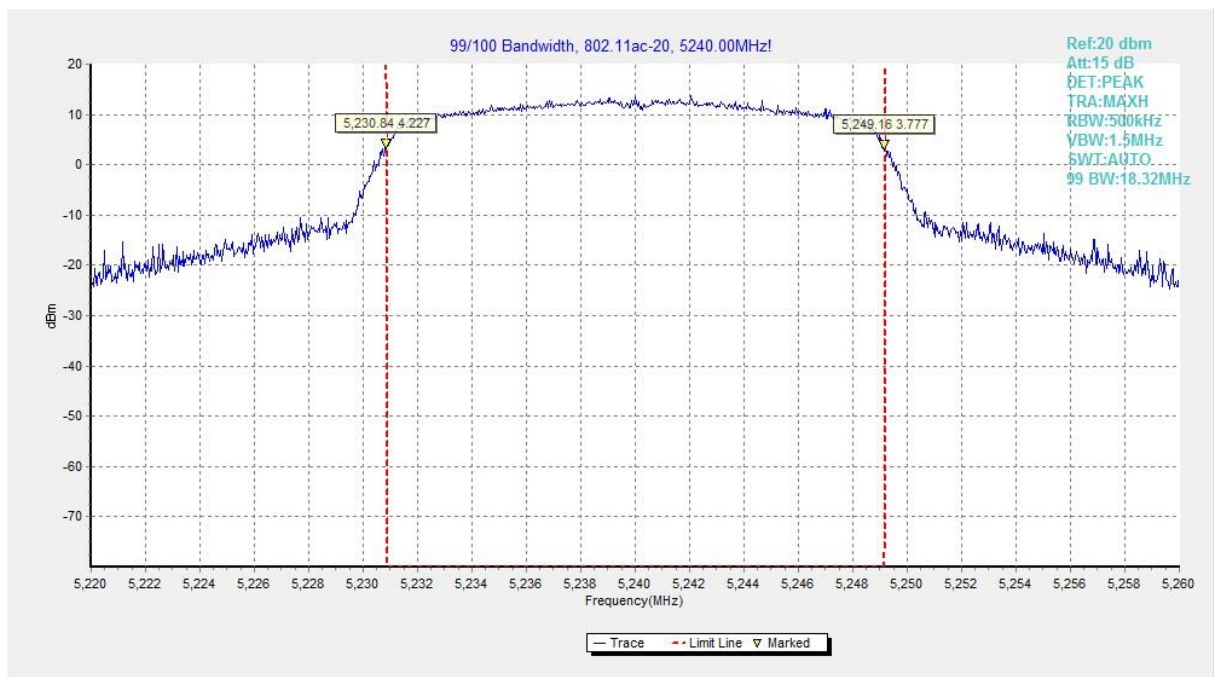


Fig.65 99% Occupied bandwidth (802.11ac-HT20, 5240MHz)

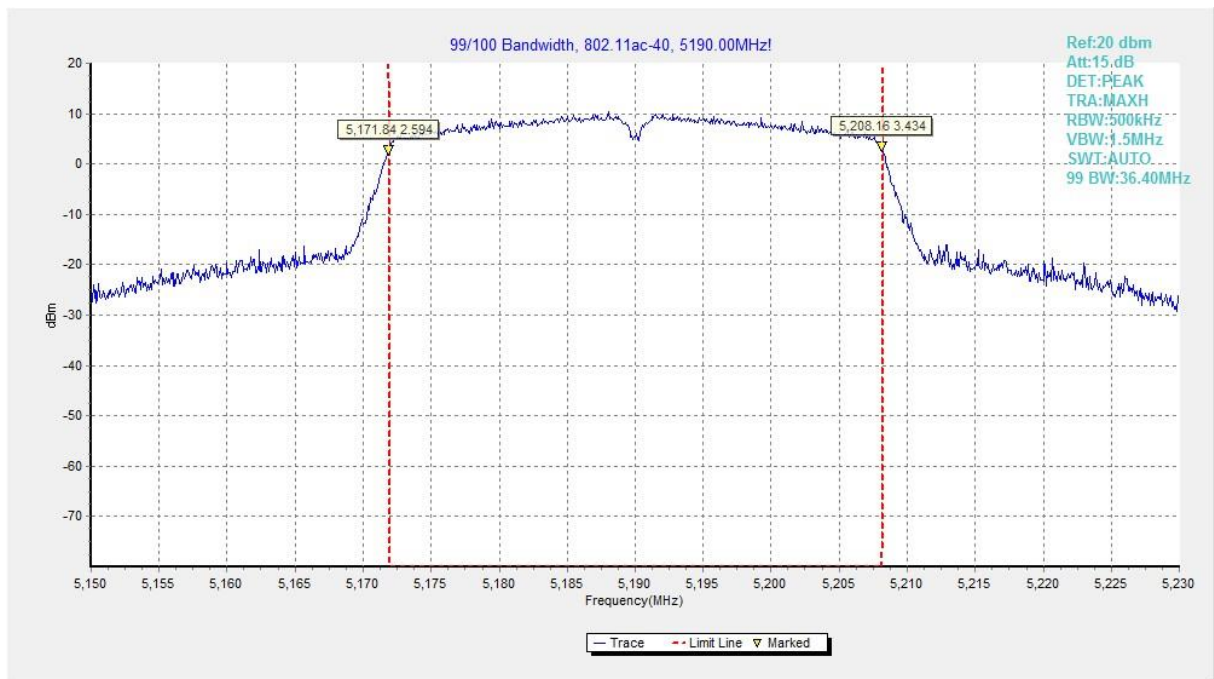


Fig.66 99% Occupied bandwidth (802.11ac-HT40, 5190MHz)

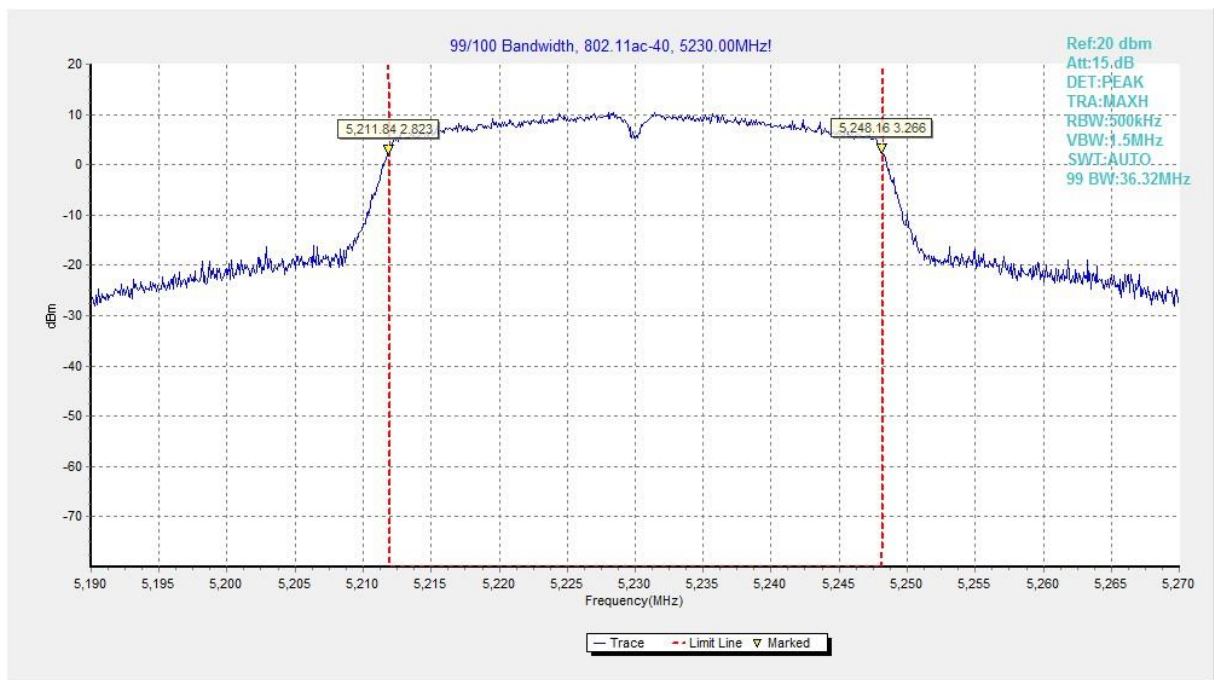


Fig.67 99% Occupied bandwidth (802.11ac-HT40, 5230MHz)

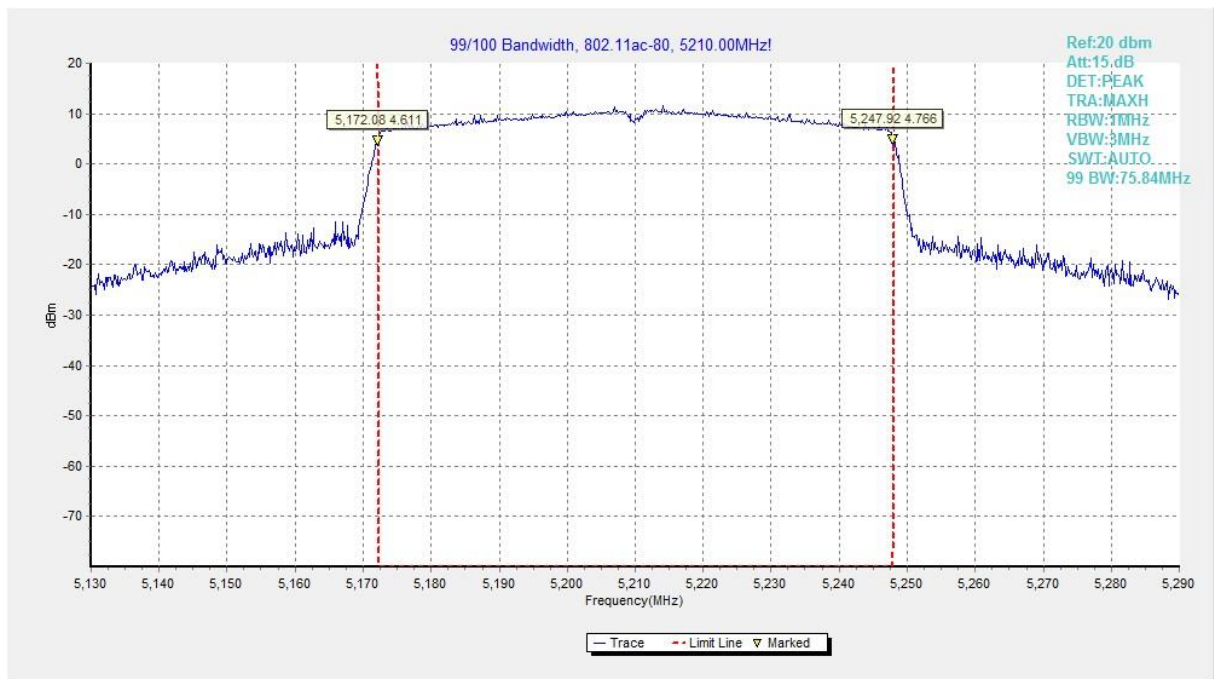


Fig.68 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

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 ***