

**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)
17981.800	42.82	-25.50	46.66	21.66	54.00	11.18	H
17998.300	42.27	-25.50	46.66	21.11	54.00	11.73	H
12645.200	38.17	-31.05	38.99	30.23	54.00	15.83	V
12652.900	37.99	-30.47	39.06	29.40	54.00	16.01	H
5150.000	52.93	-27.61	33.67	46.87	54.00	1.07	V
5149.800	52.70	-27.61	33.67	46.64	54.00	1.30	V

## 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)
17997.200	42.20	-25.50	46.66	21.04	54.00	11.80	V
17981.300	42.17	-25.50	46.66	21.01	54.00	11.83	V
12655.600	37.79	-30.47	39.06	29.20	54.00	16.21	V
12651.800	37.77	-30.47	39.06	29.18	54.00	16.23	H
11433.000	37.45	-32.42	38.79	31.08	54.00	16.55	H
11610.600	37.25	-32.31	38.91	30.66	54.00	16.75	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)
17981.300	42.07	-25.50	46.66	20.91	54.00	11.93	H
17998.300	42.06	-25.50	46.66	20.90	54.00	11.94	V
12649.600	38.05	-30.47	39.06	29.46	54.00	15.95	V
12655.600	38.04	-30.47	39.06	29.45	54.00	15.96	V
11822.400	37.51	-31.85	39.05	30.31	54.00	16.49	V
11439.600	37.17	-32.42	38.79	30.80	54.00	16.83	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)
17981.800	42.24	-25.50	46.66	21.08	54.00	11.76	H
17983.000	42.23	-25.50	46.66	21.07	54.00	11.77	V
12648.500	38.05	-30.47	39.06	29.46	54.00	15.95	V
12654.000	37.90	-30.47	39.06	29.31	54.00	16.10	V
11432.500	37.41	-32.42	38.79	31.04	54.00	16.59	V
11385.700	37.40	-32.42	38.79	31.03	54.00	16.60	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)
17982.400	42.40	-25.50	46.66	21.24	54.00	11.60	H
17984.000	42.16	-25.50	46.66	21.00	54.00	11.84	H
12026.500	37.87	-31.48	39.09	30.26	54.00	16.13	V
12673.200	37.87	-30.47	39.06	29.28	54.00	16.13	V
11601.900	37.23	-32.31	38.91	30.64	54.00	16.77	V
11510.500	37.22	-32.26	38.84	30.65	54.00	16.78	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)
17965.300	42.33	-25.50	46.66	21.17	54.00	11.67	V
17998.300	42.22	-25.50	46.66	21.06	54.00	11.78	H
12657.300	37.93	-30.47	39.06	29.34	54.00	16.07	V
12651.200	37.84	-30.47	39.06	29.25	54.00	16.16	V
5350.400	53.35	-27.43	34.01	46.77	54.00	0.65	V
5350.200	53.21	-27.43	34.01	46.63	54.00	0.79	V

## 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)
17997.800	42.89	-25.50	46.66	21.73	54.00	11.11	V
17984.000	42.52	-25.50	46.66	21.36	54.00	11.48	V
12618.200	38.38	-31.05	38.99	30.44	54.00	15.62	V
12659.000	38.32	-30.47	39.06	29.73	54.00	15.68	H
5459.500	48.29	-27.18	34.17	41.30	54.00	5.71	V
5458.600	48.26	-27.18	34.17	41.27	54.00	5.74	V

## 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)
17976.900	42.37	-25.50	46.66	21.21	54.00	11.63	H
17982.400	42.29	-25.50	46.66	21.13	54.00	11.71	V
12652.900	38.43	-30.47	39.06	29.84	54.00	15.57	V
12655.100	38.21	-30.47	39.06	29.62	54.00	15.79	V
11829.500	37.28	-31.85	39.05	30.08	54.00	16.72	V
11402.200	37.26	-32.42	38.79	30.89	54.00	16.74	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)
17983.000	42.63	-25.50	46.66	21.47	54.00	11.37	V
17849.800	42.26	-25.50	46.66	21.10	54.00	11.74	V
12684.200	38.02	-30.47	39.06	29.43	54.00	15.98	H
12644.600	37.88	-31.05	38.99	29.94	54.00	16.12	V
11823.500	37.40	-31.85	39.05	30.20	54.00	16.60	H
11440.100	37.17	-32.42	38.79	30.80	54.00	16.83	H

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## 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)
17998.300	42.53	-25.50	46.66	21.37	54.00	11.47	H
17979.700	42.12	-25.50	46.66	20.96	54.00	11.88	V
12654.000	37.88	-30.47	39.06	29.29	54.00	16.12	V
12650.700	37.78	-30.47	39.06	29.19	54.00	16.22	V
5146.300	45.23	-27.61	33.67	39.17	54.00	8.77	V
5147.500	45.16	-27.61	33.67	39.10	54.00	8.84	V

## 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)
17997.800	42.45	-25.50	46.66	21.29	54.00	11.55	V
17985.200	42.06	-25.50	46.66	20.90	54.00	11.94	H
12639.100	38.00	-31.05	38.99	30.06	54.00	16.00	V
12650.700	37.69	-30.47	39.06	29.10	54.00	16.31	H
11436.900	37.30	-32.42	38.79	30.93	54.00	16.70	V
11579.300	37.24	-32.31	38.91	30.65	54.00	16.76	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)
17980.800	42.69	-25.50	46.66	21.53	54.00	11.31	V
17979.100	42.65	-25.50	46.66	21.49	54.00	11.35	H
12654.000	38.65	-30.47	39.06	30.06	54.00	15.35	H
13274.400	38.54	-29.67	39.55	28.66	54.00	15.46	H
11434.600	38.07	-32.42	38.79	31.70	54.00	15.93	H
11820.800	37.98	-31.85	39.05	30.78	54.00	16.02	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)
17985.700	43.00	-25.50	46.66	21.84	54.00	11.00	H
17996.700	42.95	-25.50	46.66	21.79	54.00	11.05	H
12617.700	38.90	-31.05	38.99	30.96	54.00	15.10	H
12644.100	38.79	-31.05	38.99	30.85	54.00	15.21	H
5351.900	48.10	-27.43	34.01	41.52	54.00	5.90	V
5350.600	47.39	-27.43	34.01	40.81	54.00	6.61	V

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)
17981.300	42.37	-25.50	46.66	21.21	54.00	11.63	V
17981.800	42.11	-25.50	46.66	20.95	54.00	11.89	V
12665.000	38.03	-30.47	39.06	29.44	54.00	15.97	H
12650.700	37.99	-30.47	39.06	29.40	54.00	16.01	H
5453.500	44.84	-27.18	34.17	37.85	54.00	9.16	V
5455.300	44.82	-27.18	34.17	37.83	54.00	9.18	V

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)
17996.700	42.12	-25.50	46.66	20.96	54.00	11.88	H
17998.300	42.07	-25.50	46.66	20.91	54.00	11.93	H
12652.400	38.08	-30.47	39.06	29.49	54.00	15.92	H
12648.000	38.01	-30.47	39.06	29.42	54.00	15.99	H
11817.500	37.28	-31.85	39.05	30.08	54.00	16.72	V
11843.900	37.25	-31.85	39.05	30.05	54.00	16.75	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)
17981.800	41.91	-25.50	46.66	20.75	54.00	12.09	V
17968.700	41.90	-25.50	46.66	20.74	54.00	12.10	V
12640.800	38.01	-31.05	38.99	30.07	54.00	15.99	H
12641.900	37.82	-31.05	38.99	29.88	54.00	16.18	V
11425.900	37.23	-32.42	38.79	30.86	54.00	16.77	H
11400.000	37.06	-32.42	38.79	30.69	54.00	16.94	H

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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)
17963.700	42.16	-25.50	46.66	21.00	54.00	11.84	V
17976.300	41.99	-25.50	46.66	20.83	54.00	12.01	H
12689.800	38.04	-30.47	39.06	29.45	54.00	15.96	V
12645.800	37.84	-31.05	38.99	29.90	54.00	16.16	H
5149.300	52.53	-27.61	33.67	46.47	54.00	1.47	V
5149.900	52.31	-27.61	33.67	46.25	54.00	1.69	V

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)
17998.900	42.16	-25.50	46.66	21.00	54.00	11.84	H
17986.200	42.01	-25.50	46.66	20.85	54.00	11.99	H
12659.500	38.19	-30.47	39.06	29.60	54.00	15.81	V
12651.200	37.95	-30.47	39.06	29.36	54.00	16.05	H
11829.500	37.18	-31.85	39.05	29.98	54.00	16.82	H
11637.000	37.10	-32.31	38.91	30.51	54.00	16.90	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)
17998.900	42.47	-25.50	46.66	21.31	54.00	11.53	V
17980.800	42.18	-25.50	46.66	21.02	54.00	11.82	V
12652.900	37.92	-30.47	39.06	29.33	54.00	16.08	V
12654.500	37.72	-30.47	39.06	29.13	54.00	16.28	H
11438.000	37.43	-32.42	38.79	31.06	54.00	16.57	V
11427.000	37.35	-32.42	38.79	30.98	54.00	16.65	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)
17998.300	42.09	-25.50	46.66	20.93	54.00	11.91	H
17981.300	42.07	-25.50	46.66	20.91	54.00	11.93	V
12613.300	37.85	-31.05	38.99	29.91	54.00	16.15	H
12668.300	37.76	-30.47	39.06	29.17	54.00	16.24	H
11847.100	37.33	-31.85	39.05	30.13	54.00	16.67	H
11827.400	37.32	-31.85	39.05	30.12	54.00	16.68	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)
17975.800	42.24	-25.50	46.66	21.08	54.00	11.76	H
17998.300	42.09	-25.50	46.66	20.93	54.00	11.91	V
12643.000	37.87	-31.05	38.99	29.93	54.00	16.13	V
12650.700	37.83	-30.47	39.06	29.24	54.00	16.17	H
11428.600	37.35	-32.42	38.79	30.98	54.00	16.65	H
11426.400	37.29	-32.42	38.79	30.92	54.00	16.71	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)
17996.200	42.86	-25.50	46.66	21.70	54.00	11.14	H
17997.800	42.65	-25.50	46.66	21.49	54.00	11.35	V
12654.000	38.26	-30.47	39.06	29.67	54.00	15.74	H
12655.600	37.80	-30.47	39.06	29.21	54.00	16.20	H
5350.600	53.37	-27.43	34.01	46.79	54.00	0.63	V
5350.700	53.24	-27.43	34.01	46.66	54.00	0.76	V

## 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)
17976.300	42.47	-25.50	46.66	21.31	54.00	11.53	V
17998.900	42.34	-25.50	46.66	21.18	54.00	11.66	V
12642.500	38.41	-31.05	38.99	30.47	54.00	15.59	V
13294.200	38.12	-29.49	39.71	27.90	54.00	15.88	V
5455.700	45.17	-27.18	34.17	38.18	54.00	8.83	V
5371.000	45.05	-27.43	34.01	38.47	54.00	8.95	V

## 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	42.34	-25.50	46.66	21.18	54.00	11.66	H
17982.400	42.27	-25.50	46.66	21.11	54.00	11.73	H
12651.800	38.05	-30.47	39.06	29.46	54.00	15.95	H
12657.900	38.04	-30.47	39.06	29.45	54.00	15.96	H
11435.800	37.49	-32.42	38.79	31.12	54.00	16.51	H
11805.900	37.45	-31.85	39.05	30.25	54.00	16.55	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)
17983.000	42.01	-25.50	46.66	20.85	54.00	11.99	V
17998.900	42.01	-25.50	46.66	20.85	54.00	11.99	V
12676.000	37.92	-30.47	39.06	29.33	54.00	16.08	V
12640.800	37.79	-31.05	38.99	29.85	54.00	16.21	H
11846.000	37.26	-31.85	39.05	30.06	54.00	16.74	H
11358.800	37.20	-32.42	38.79	30.83	54.00	16.80	V

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## 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)
17984.600	42.36	-25.50	46.66	21.20	54.00	11.64	H
17998.900	42.28	-25.50	46.66	21.12	54.00	11.72	H
12650.100	37.79	-30.47	39.06	29.20	54.00	16.21	V
11433.000	37.68	-32.42	38.79	31.31	54.00	16.32	H
5149.900	45.81	-27.61	33.67	39.75	54.00	8.19	V
5147.200	45.77	-27.61	33.67	39.71	54.00	8.23	V

## 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)
17980.200	42.72	-25.50	46.66	21.56	54.00	11.28	H
17988.500	42.64	-25.50	46.66	21.48	54.00	11.36	V
12650.700	38.09	-30.47	39.06	29.50	54.00	15.91	H
12657.900	37.83	-30.47	39.06	29.24	54.00	16.17	V
11610.100	37.45	-32.31	38.91	30.86	54.00	16.55	H
11848.200	37.26	-31.85	39.05	30.06	54.00	16.74	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)
17998.900	43.15	-25.50	46.66	21.99	54.00	10.85	H
17982.400	43.04	-25.50	46.66	21.88	54.00	10.96	V
12654.500	38.91	-30.47	39.06	30.32	54.00	15.09	H
12648.500	38.72	-30.47	39.06	30.13	54.00	15.28	V
11832.300	38.19	-31.85	39.05	30.99	54.00	15.81	V
11835.600	38.05	-31.85	39.05	30.85	54.00	15.95	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)
17998.900	42.90	-25.50	46.66	21.74	54.00	11.10	V
17998.300	42.79	-25.50	46.66	21.63	54.00	11.21	H
12652.400	39.61	-30.47	39.06	31.02	54.00	14.39	H
12644.600	39.44	-31.05	38.99	31.50	54.00	14.56	H
5350.100	47.81	-27.43	34.01	41.23	54.00	6.19	V
5350.800	47.76	-27.43	34.01	41.18	54.00	6.24	V

## 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	42.41	-25.50	46.66	21.25	54.00	11.59	V
17981.300	42.30	-25.50	46.66	21.14	54.00	11.70	H
12657.900	37.85	-30.47	39.06	29.26	54.00	16.15	V
12641.900	37.72	-31.05	38.99	29.78	54.00	16.28	V
5459.900	46.92	-27.18	34.17	39.93	54.00	7.08	V
5459.100	46.72	-27.18	34.17	39.73	54.00	7.28	V

**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)
17984.000	42.27	-25.50	46.66	21.11	54.00	11.73	H
17986.800	42.00	-25.50	46.66	20.84	54.00	12.00	V
12647.400	37.81	-30.47	39.06	29.22	54.00	16.19	V
12652.900	37.81	-30.47	39.06	29.22	54.00	16.19	H
11437.400	37.06	-32.42	38.79	30.69	54.00	16.94	H
11825.100	37.06	-31.85	39.05	29.86	54.00	16.94	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)
17983.000	42.26	-25.50	46.66	21.10	54.00	11.74	V
17997.200	42.18	-25.50	46.66	21.02	54.00	11.82	H
12668.300	37.83	-30.47	39.06	29.24	54.00	16.17	V
12661.700	37.80	-30.47	39.06	29.21	54.00	16.20	V
11417.600	37.20	-32.42	38.79	30.83	54.00	16.80	V
11625.500	37.18	-32.31	38.91	30.59	54.00	16.82	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)
17998.300	42.83	-25.50	46.66	21.67	54.00	11.17	H
17963.200	42.82	-25.50	46.66	21.66	54.00	11.18	V
13266.100	38.66	-29.67	39.55	28.78	54.00	15.34	V
12616.000	38.63	-31.05	38.99	30.69	54.00	15.37	V
5145.900	48.67	-27.61	33.67	42.61	54.00	5.33	V
5149.900	47.97	-27.61	33.67	41.91	54.00	6.03	V

## 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)
17982.400	42.87	-25.50	46.66	21.71	54.00	11.13	H
17997.200	42.60	-25.50	46.66	21.44	54.00	11.40	H
12651.800	38.35	-30.47	39.06	29.76	54.00	15.65	V
12685.900	38.35	-30.47	39.06	29.76	54.00	15.65	V
5350.600	49.12	-27.43	34.01	42.54	54.00	4.88	V
5351.600	48.99	-27.43	34.01	42.41	54.00	5.01	V

## 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)
17995.000	42.05	-25.50	46.66	20.89	54.00	11.95	V
17995.600	41.90	-25.50	46.66	20.74	54.00	12.10	V
12643.500	38.11	-31.05	38.99	30.17	54.00	15.89	H
12647.400	38.09	-30.47	39.06	29.50	54.00	15.91	H
5457.600	45.96	-27.18	34.17	38.97	54.00	8.04	V
5458.000	45.87	-27.18	34.17	38.88	54.00	8.13	V

## 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)
17982.400	42.71	-25.50	46.66	21.55	54.00	11.29	H
17994.500	42.05	-25.50	46.66	20.89	54.00	11.95	V
12681.500	37.87	-30.47	39.06	29.28	54.00	16.13	V
13254.600	37.76	-29.67	39.55	27.88	54.00	16.24	V
11435.800	37.53	-32.42	38.79	31.16	54.00	16.47	V
11403.900	37.15	-32.42	38.79	30.78	54.00	16.85	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)
17986.200	53.23	-25.50	46.66	32.07	74.00	20.77	H
17437.300	52.55	-26.85	45.25	34.15	68.30	15.75	H
14283.600	49.35	-28.42	42.34	35.43	68.30	18.95	H
14256.100	49.33	-28.42	42.34	35.41	68.30	18.97	V
5148.600	68.72	-27.61	33.67	62.66	74.00	5.28	V
5149.300	68.63	-27.61	33.67	62.57	74.00	5.37	V

## 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)
17389.500	52.55	-26.85	45.25	34.15	68.30	15.75	V
17451.100	52.48	-26.85	45.25	34.08	68.30	15.82	V
14263.300	49.71	-28.42	42.34	35.79	68.30	18.59	V
14249.000	49.39	-28.99	42.00	36.37	68.30	18.91	H
11589.200	47.88	-32.31	38.91	41.29	74.00	26.12	H
11429.100	47.82	-32.42	38.79	41.45	74.00	26.18	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)
17408.800	52.69	-26.85	45.25	34.29	68.30	15.61	H
17406.500	52.67	-26.85	45.25	34.27	68.30	15.63	V
13647.300	49.59	-29.50	40.43	38.66	68.30	18.71	V
14265.500	49.46	-28.42	42.34	35.54	68.30	18.84	H
11009.500	48.50	-32.49	38.72	42.26	74.00	25.50	V
11870.200	48.18	-31.85	39.05	40.98	74.00	25.82	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)
17423.600	53.52	-26.85	45.25	35.12	68.30	14.78	V
17996.700	52.97	-25.50	46.66	31.81	74.00	21.03	V
14258.900	49.06	-28.42	42.34	35.14	68.30	19.24	V
14284.800	49.00	-28.42	42.34	35.08	68.30	19.30	V
11432.500	48.16	-32.42	38.79	41.79	74.00	25.84	V
11823.500	48.04	-31.85	39.05	40.84	74.00	25.96	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)
17389.000	53.37	-26.85	45.25	34.97	68.30	14.93	H
17393.300	53.18	-26.85	45.25	34.78	68.30	15.12	V
12652.400	50.07	-30.47	39.06	41.48	74.00	23.93	V
13683.600	49.71	-29.50	40.43	38.78	68.30	18.59	H
11816.400	48.48	-31.85	39.05	41.28	74.00	25.52	V
11822.400	48.11	-31.85	39.05	40.91	74.00	25.89	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)
17555.000	53.00	-26.85	45.25	34.60	68.30	15.30	V
17995.000	52.85	-25.50	46.66	31.69	74.00	21.15	V
14287.500	49.57	-28.42	42.34	35.65	68.30	18.73	H
14254.500	49.34	-28.42	42.34	35.42	68.30	18.96	H
5351.600	68.15	-27.43	34.01	61.57	74.00	5.85	V
5351.700	67.54	-27.43	34.01	60.96	74.00	6.46	V

## 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)
17387.800	54.13	-26.85	45.25	35.73	68.30	14.17	H
17366.400	53.63	-25.95	44.35	35.22	68.30	14.67	V
14304.000	49.95	-28.42	42.34	36.03	68.30	18.35	H
14254.000	49.80	-28.42	42.34	35.88	68.30	18.50	H
5459.600	62.63	-27.18	34.17	55.64	74.00	11.37	V
5469.500	67.10	-27.18	34.17	60.11	68.30	1.20	V

## 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)
17973.000	53.48	-25.50	46.66	32.32	74.00	20.52	H
17431.800	53.25	-26.85	45.25	34.85	68.30	15.05	V
14208.300	49.52	-28.99	42.00	36.50	68.30	18.78	V
14291.400	49.48	-28.42	42.34	35.56	68.30	18.82	V
11999.500	48.31	-31.48	39.09	40.70	74.00	25.69	V
11813.600	48.10	-31.85	39.05	40.90	74.00	25.90	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	53.36	-25.50	46.66	32.20	74.00	20.64	V
17984.600	53.33	-25.50	46.66	32.17	74.00	20.67	H
14886.500	49.32	-28.59	40.79	37.12	68.30	18.98	V
14893.600	49.28	-28.59	40.79	37.08	68.30	19.02	H
5726.900	66.79	-27.07	34.31	59.55	68.30	1.51	V
5725.500	64.87	-27.07	34.31	57.63	68.30	3.43	V

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## 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)
17436.800	53.84	-26.85	45.25	35.44	68.30	14.46	V
17961.500	52.79	-25.50	46.66	31.63	74.00	21.21	V
14244.600	49.98	-28.99	42.00	36.96	68.30	18.32	V
14323.800	48.97	-28.42	42.34	35.05	68.30	19.33	V
5145.500	67.96	-27.61	33.67	61.90	74.00	6.04	V
5146.700	67.89	-27.61	33.67	61.83	74.00	6.11	V

## 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)
17384.500	53.48	-25.95	44.35	35.07	68.30	14.82	V
17962.600	52.97	-25.50	46.66	31.81	74.00	21.03	V
14235.200	49.34	-28.99	42.00	36.32	68.30	18.96	H
14235.800	49.33	-28.99	42.00	36.31	68.30	18.97	V
11845.000	48.18	-31.85	39.05	40.98	74.00	25.82	V
11445.100	48.07	-32.42	38.79	41.70	74.00	25.93	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)
17392.200	52.96	-26.85	45.25	34.56	68.30	15.34	H
17507.200	52.73	-26.85	45.25	34.33	68.30	15.57	V
14205.000	49.91	-28.99	42.00	36.89	68.30	18.39	V
14257.200	49.58	-28.42	42.34	35.66	68.30	18.72	V
11849.400	48.57	-31.85	39.05	41.37	74.00	25.43	V
11574.900	48.22	-32.31	38.91	41.63	74.00	25.78	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)
17428.500	52.98	-26.85	45.25	34.58	68.30	15.32	H
17420.300	52.92	-26.85	45.25	34.52	68.30	15.38	H
14261.100	50.10	-28.42	42.34	36.18	68.30	18.20	H
14912.900	49.36	-28.59	40.79	37.16	68.30	18.94	V
11951.100	48.00	-31.48	39.09	40.39	74.00	26.00	H
11655.800	47.68	-32.31	38.91	41.09	74.00	26.32	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)
17968.100	53.09	-25.50	46.66	31.93	74.00	20.91	H
17983.500	53.03	-25.50	46.66	31.87	74.00	20.97	H
14296.300	49.94	-28.42	42.34	36.02	68.30	18.36	V
14911.800	49.92	-28.59	40.79	37.72	68.30	18.38	V
11392.900	48.21	-32.42	38.79	41.84	74.00	25.79	H
11396.700	48.00	-32.42	38.79	41.63	74.00	26.00	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)
17997.200	53.43	-25.50	46.66	32.27	74.00	20.57	V
17397.800	53.15	-26.85	45.25	34.75	68.30	15.15	V
14257.200	49.58	-28.42	42.34	35.66	68.30	18.72	H
14867.200	49.21	-28.59	40.79	37.01	68.30	19.09	V
5350.300	69.22	-27.43	34.01	62.64	74.00	4.78	V
5350.100	67.28	-27.43	34.01	60.70	74.00	6.72	V

## 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)
17991.200	53.14	-25.50	46.66	31.98	74.00	20.86	H
17417.500	52.99	-26.85	45.25	34.59	68.30	15.31	H
14235.200	49.82	-28.99	42.00	36.80	68.30	18.48	H
14259.500	49.50	-28.42	42.34	35.58	68.30	18.80	H
5458.600	65.69	-27.18	34.17	58.70	74.00	8.31	V
5468.300	67.86	-27.18	34.17	60.87	68.30	0.44	V

## 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)
17897.700	52.86	-25.50	46.66	31.70	74.00	21.14	H
17978.500	52.76	-25.50	46.66	31.60	74.00	21.24	V
14282.500	50.02	-28.42	42.34	36.10	68.30	18.28	H
14805.600	49.60	-28.32	41.35	36.58	68.30	18.70	H
11632.100	48.02	-32.31	38.91	41.43	74.00	25.98	V
11344.500	47.99	-32.42	38.79	41.62	74.00	26.01	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)
17987.300	52.65	-25.50	46.66	31.49	74.00	21.35	H
17402.200	52.59	-26.85	45.25	34.19	68.30	15.71	V
14242.400	49.20	-28.99	42.00	36.18	68.30	19.10	H
14285.300	48.97	-28.42	42.34	35.05	68.30	19.33	V
5728.500	66.66	-27.07	34.31	59.42	68.30	1.64	V
5728.100	66.38	-27.07	34.31	59.14	68.30	1.92	V

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## 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)
17984.000	52.84	-25.50	46.66	31.68	74.00	21.16	V
17396.100	52.72	-26.85	45.25	34.32	68.30	15.58	H
12644.100	49.98	-31.05	38.99	42.04	74.00	24.02	V
13607.100	49.73	-29.50	40.43	38.80	68.30	18.57	V
5148.300	60.50	-27.61	33.67	54.44	74.00	13.50	V
5148.900	60.46	-27.61	33.67	54.40	74.00	13.54	V

## 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)
17430.200	53.12	-26.85	45.25	34.72	68.30	15.18	H
17981.300	52.87	-25.50	46.66	31.71	74.00	21.13	H
14326.000	49.71	-28.42	42.34	35.79	68.30	18.59	H
14284.800	49.42	-28.42	42.34	35.50	68.30	18.88	V
11854.900	48.33	-31.85	39.05	41.13	74.00	25.67	H
11398.400	48.20	-32.42	38.79	41.83	74.00	25.80	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)
17989.000	53.45	-25.50	46.66	32.29	74.00	20.55	V
17984.000	53.40	-25.50	46.66	32.24	74.00	20.60	V
14255.600	49.82	-28.42	42.34	35.90	68.30	18.48	H
14256.700	49.82	-28.42	42.34	35.90	68.30	18.48	V
11472.000	48.74	-32.26	38.84	42.17	74.00	25.26	H
10560.700	48.56	-32.99	38.27	43.27	68.30	19.74	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)
17985.700	54.19	-25.50	46.66	33.03	74.00	19.81	H
17974.700	53.74	-25.50	46.66	32.58	74.00	20.26	H
14689.500	50.54	-28.32	41.35	37.52	68.30	17.76	H
14255.600	50.06	-28.42	42.34	36.14	68.30	18.24	H
5352.900	62.82	-27.43	34.01	56.24	74.00	11.18	V
5350.100	61.26	-27.43	34.01	54.68	74.00	12.74	V

## 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)
17356.500	52.89	-25.95	44.35	34.48	68.30	15.41	V
17369.700	52.89	-25.95	44.35	34.48	68.30	15.41	V
14264.400	49.84	-28.42	42.34	35.92	68.30	18.46	H
14305.100	49.46	-28.42	42.34	35.54	68.30	18.84	V
5460.000	56.92	-27.18	34.17	49.93	74.00	17.08	V
5468.300	61.60	-27.18	34.17	54.61	68.30	6.70	V

## 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)
17413.200	53.02	-26.85	45.25	34.62	68.30	15.28	V
17979.100	52.71	-25.50	46.66	31.55	74.00	21.29	H
14884.200	49.08	-28.59	40.79	36.88	68.30	19.22	H
14260.000	48.89	-28.42	42.34	34.97	68.30	19.41	H
11573.200	48.02	-32.31	38.91	41.43	74.00	25.98	H
11806.500	48.02	-31.85	39.05	40.82	74.00	25.98	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)
17214.600	52.66	-26.60	43.36	35.90	68.30	15.64	H
17417.000	52.58	-26.85	45.25	34.18	68.30	15.72	V
14898.500	49.33	-28.59	40.79	37.13	68.30	18.97	V
14264.400	49.02	-28.42	42.34	35.10	68.30	19.28	V
5725.700	58.90	-27.07	34.31	51.66	68.30	9.40	V
5726.900	58.22	-27.07	34.31	50.98	68.30	10.08	V

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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)
17357.600	53.41	-25.95	44.35	35.00	68.30	14.89	H
17346.600	53.01	-25.95	44.35	34.60	68.30	15.29	V
14260.500	49.44	-28.42	42.34	35.52	68.30	18.86	V
14284.200	49.33	-28.42	42.34	35.41	68.30	18.97	H
5148.800	69.28	-27.61	33.67	63.22	74.00	4.72	V
5148.200	68.84	-27.61	33.67	62.78	74.00	5.16	V

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)
17348.800	52.84	-25.95	44.35	34.43	68.30	15.46	V
17974.700	52.41	-25.50	46.66	31.25	74.00	21.59	H
14254.500	49.54	-28.42	42.34	35.62	68.30	18.76	V
14309.500	49.36	-28.42	42.34	35.44	68.30	18.94	V
10605.800	48.39	-32.76	38.38	42.77	74.00	25.61	V
11408.800	47.99	-32.42	38.79	41.62	74.00	26.01	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)
17941.700	53.49	-25.50	46.66	32.33	74.00	20.51	H
17429.100	53.23	-26.85	45.25	34.83	68.30	15.07	V
14265.000	49.17	-28.42	42.34	35.25	68.30	19.13	H
14270.500	48.83	-28.42	42.34	34.91	68.30	19.47	H
11824.000	48.40	-31.85	39.05	41.20	74.00	25.60	H
11862.000	48.34	-31.85	39.05	41.14	74.00	25.66	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	53.10	-25.50	46.66	31.94	74.00	20.90	H
17992.300	52.98	-25.50	46.66	31.82	74.00	21.02	H
14268.200	49.93	-28.42	42.34	36.01	68.30	18.37	H
14256.100	49.27	-28.42	42.34	35.35	68.30	19.03	V
11405.000	48.12	-32.42	38.79	41.75	74.00	25.88	H
10980.900	48.07	-32.82	38.70	42.19	74.00	25.93	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)
17803.700	53.30	-25.50	46.66	32.14	74.00	20.70	V
17380.700	53.06	-25.95	44.35	34.65	68.30	15.24	H
13657.800	49.95	-29.50	40.43	39.02	68.30	18.35	H
13644.000	49.21	-29.50	40.43	38.28	68.30	19.09	V
11429.100	48.09	-32.42	38.79	41.72	74.00	25.91	V
10826.400	48.03	-32.33	38.59	41.77	74.00	25.97	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)
17998.900	53.56	-25.50	46.66	32.40	74.00	20.44	H
17406.500	53.24	-26.85	45.25	34.84	68.30	15.06	V
14260.000	49.33	-28.42	42.34	35.41	68.30	18.97	V
14192.900	49.21	-28.99	42.00	36.19	68.30	19.09	H
5350.900	67.94	-27.43	34.01	61.36	74.00	6.06	V
5350.300	67.84	-27.43	34.01	61.26	74.00	6.16	V

## 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)
17449.500	53.21	-26.85	45.25	34.81	68.30	15.09	V
17394.500	52.78	-26.85	45.25	34.38	68.30	15.52	H
14260.000	49.95	-28.42	42.34	36.03	68.30	18.35	H
13668.200	49.90	-29.50	40.43	38.97	68.30	18.40	V
5451.100	58.23	-27.18	34.17	51.24	74.00	15.77	V
5468.100	62.95	-27.18	34.17	55.96	68.30	5.35	V

## 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	53.10	-25.50	46.66	31.94	74.00	20.90	V
17984.600	53.02	-25.50	46.66	31.86	74.00	20.98	H
14318.300	49.44	-28.42	42.34	35.52	68.30	18.86	H
14863.900	49.41	-28.59	40.79	37.21	68.30	18.89	H
11853.200	48.48	-31.85	39.05	41.28	74.00	25.52	H
11825.700	48.32	-31.85	39.05	41.12	74.00	25.68	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)
17938.400	53.13	-25.50	46.66	31.97	74.00	20.87	H
17430.200	53.05	-26.85	45.25	34.65	68.30	15.25	H
14895.800	49.16	-28.59	40.79	36.96	68.30	19.14	H
14348.000	49.13	-28.42	42.34	35.21	68.30	19.17	H
5726.100	65.42	-27.07	34.31	58.18	68.30	2.88	V
5732.000	65.18	-27.07	34.31	57.94	68.30	3.12	V

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## 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)
17984.600	53.51	-25.50	46.66	32.35	74.00	20.49	H
17396.100	53.24	-26.85	45.25	34.84	68.30	15.06	V
14228.100	49.74	-28.99	42.00	36.72	68.30	18.56	V
14260.000	49.60	-28.42	42.34	35.68	68.30	18.70	V
5149.900	61.40	-27.61	33.67	55.34	74.00	12.60	V
5145.500	60.46	-27.61	33.67	54.40	74.00	13.54	V

## 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)
17996.700	53.26	-25.50	46.66	32.10	74.00	20.74	V
17457.200	52.83	-26.85	45.25	34.43	68.30	15.47	H
14291.400	49.35	-28.42	42.34	35.43	68.30	18.95	H
14756.100	49.02	-28.32	41.35	36.00	68.30	19.28	V
11602.400	48.53	-32.31	38.91	41.94	74.00	25.47	V
11986.900	48.33	-31.48	39.09	40.72	74.00	25.67	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	54.60	-25.50	46.66	33.44	74.00	19.40	H
17991.800	53.59	-25.50	46.66	32.43	74.00	20.41	V
14253.400	50.46	-28.42	42.34	36.54	68.30	17.84	H
13671.500	49.97	-29.50	40.43	39.04	68.30	18.33	V
11356.500	49.15	-32.42	38.79	42.78	74.00	24.85	H
11459.400	48.71	-32.26	38.84	42.14	74.00	25.29	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)
17411.500	53.83	-26.85	45.25	35.43	68.30	14.47	V
17434.600	53.83	-26.85	45.25	35.43	68.30	14.47	H
14301.200	50.97	-28.42	42.34	37.05	68.30	17.33	H
14267.700	50.94	-28.42	42.34	37.02	68.30	17.36	H
5350.100	62.96	-27.43	34.01	56.38	74.00	11.04	V
5353.100	62.74	-27.43	34.01	56.16	74.00	11.26	V

## 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)
17941.200	53.18	-25.50	46.66	32.02	74.00	20.82	H
17409.300	53.13	-26.85	45.25	34.73	68.30	15.17	H
14257.200	49.03	-28.42	42.34	35.11	68.30	19.27	V
14256.100	49.00	-28.42	42.34	35.08	68.30	19.30	V
5458.100	61.77	-27.18	34.17	54.78	74.00	12.23	V
5468.900	67.59	-27.18	34.17	60.60	68.30	0.71	V

## 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)
17409.800	53.27	-26.85	45.25	34.87	68.30	15.03	V
17580.900	52.81	-25.74	45.95	32.60	68.30	15.49	H
14287.000	49.26	-28.42	42.34	35.34	68.30	19.04	H
14240.800	48.98	-28.99	42.00	35.96	68.30	19.32	H
11414.900	47.88	-32.42	38.79	41.51	74.00	26.12	H
11015.000	47.72	-32.49	38.72	41.48	74.00	26.28	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)
17400.500	52.93	-26.85	45.25	34.53	68.30	15.37	H
17402.700	52.76	-26.85	45.25	34.36	68.30	15.54	V
13649.000	49.53	-29.50	40.43	38.60	68.30	18.77	V
14917.200	49.41	-28.59	40.79	37.21	68.30	18.89	H
5730.200	63.38	-27.07	34.31	56.14	68.30	4.92	V
5729.000	61.75	-27.07	34.31	54.51	68.30	6.55	V

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## 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)
17431.300	53.43	-26.85	45.25	35.03	68.30	14.87	V
17400.000	53.32	-26.85	45.25	34.92	68.30	14.98	H
14176.400	50.11	-28.99	42.00	37.09	68.30	18.19	V
14238.500	49.67	-28.99	42.00	36.65	68.30	18.63	V
5142.500	64.46	-27.61	33.67	58.40	74.00	9.54	V
5148.500	63.60	-27.61	33.67	57.54	74.00	10.40	V

## 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)
17997.800	54.20	-25.50	46.66	33.04	74.00	19.80	H
17417.500	53.50	-26.85	45.25	35.10	68.30	14.80	V
13676.500	50.15	-29.50	40.43	39.22	68.30	18.15	V
13675.900	50.07	-29.50	40.43	39.14	68.30	18.23	V
5360.600	64.40	-27.43	34.01	57.82	74.00	9.60	V
5350.600	64.19	-27.43	34.01	57.61	74.00	9.81	V

## 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)
17422.000	52.73	-26.85	45.25	34.33	68.30	15.57	V
17433.500	52.59	-26.85	45.25	34.19	68.30	15.71	H
12634.800	49.30	-31.05	38.99	41.36	74.00	24.70	H
14259.500	49.02	-28.42	42.34	35.10	68.30	19.28	H
5456.100	60.98	-27.18	34.17	53.99	74.00	13.02	V
5462.300	63.37	-27.18	34.17	56.38	68.30	4.93	V

## 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)
17417.000	53.08	-26.85	45.25	34.68	68.30	15.22	V
17458.200	52.91	-26.85	45.25	34.51	68.30	15.39	V
14261.100	50.00	-28.42	42.34	36.08	68.30	18.30	V
14260.000	49.02	-28.42	42.34	35.10	68.30	19.28	H
5729.600	64.82	-27.07	34.31	57.58	68.30	3.48	V
5729.700	64.28	-27.07	34.31	57.04	68.30	4.02	V

### 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 (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger AE5		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.58	Fig.59	<b>P</b>
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)

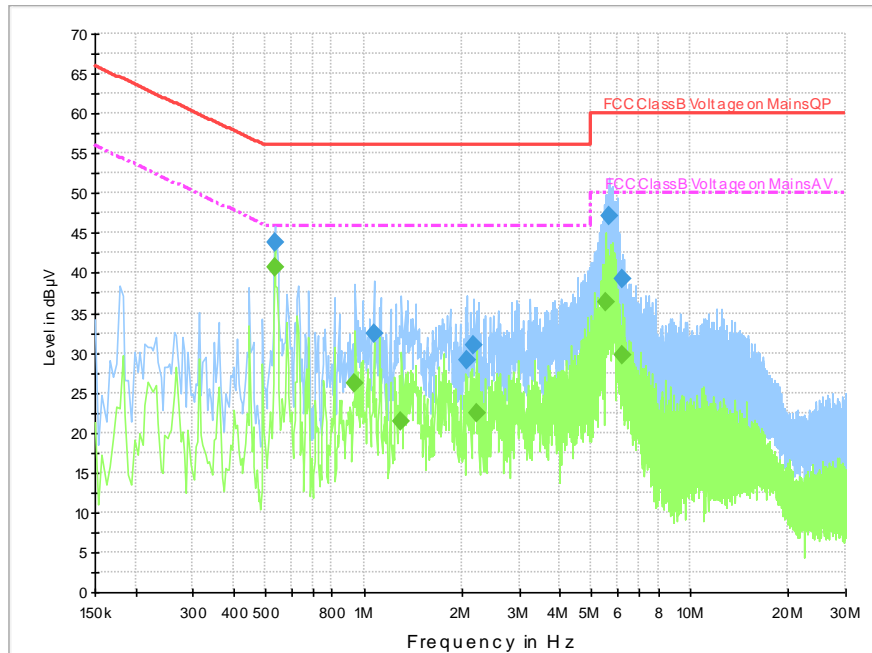
Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger AE5		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.58	Fig.59	<b>P</b>
0.5 to 5	46			
5 to 30	50			

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**

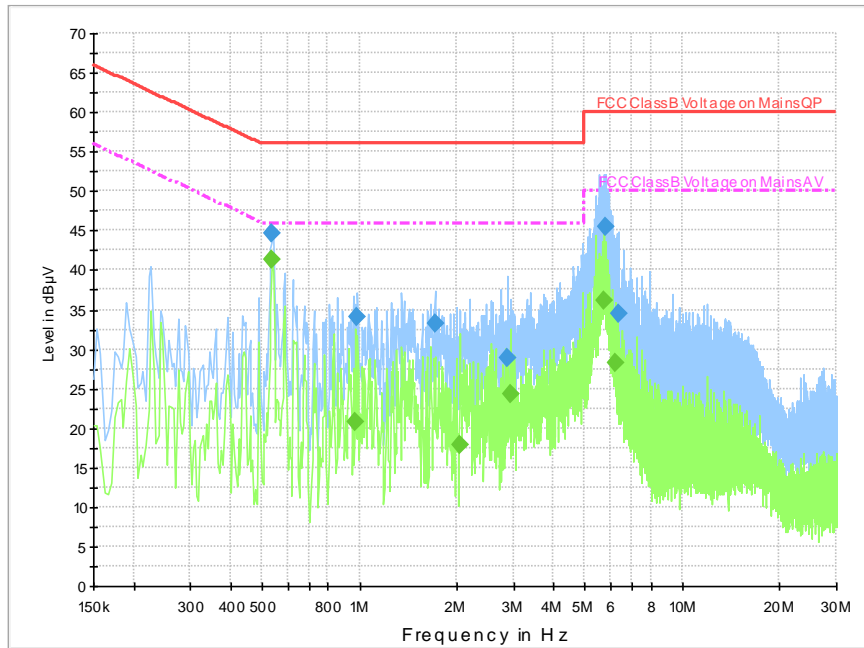
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.534000	43.9	5000.0	9.000	On	L1	19.9	12.1	56.0
1.074000	32.4	5000.0	9.000	On	N	19.8	23.6	56.0
2.078000	29.2	5000.0	9.000	On	N	19.7	26.8	56.0
2.166000	31.0	5000.0	9.000	On	N	19.7	25.0	56.0
5.650000	47.2	5000.0	9.000	On	L1	19.5	12.8	60.0
6.178000	39.3	5000.0	9.000	On	L1	19.6	20.7	60.0

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.534000	40.8	5000.0	9.000	On	L1	19.9	5.2	46.0
0.942000	26.1	5000.0	9.000	On	N	19.8	19.9	46.0
1.306000	21.4	5000.0	9.000	On	N	19.8	24.6	46.0
2.210000	22.5	5000.0	9.000	On	N	19.7	23.5	46.0
5.550000	36.3	5000.0	9.000	On	L1	19.5	13.7	50.0
6.178000	29.6	5000.0	9.000	On	L1	19.6	20.4	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)
0.538000	44.6	5000.0	9.000	On	L1	19.9	11.4	56.0
0.986000	34.0	5000.0	9.000	On	N	19.8	22.0	56.0
1.710000	33.3	5000.0	9.000	On	L1	19.5	22.7	56.0
2.882000	28.8	5000.0	9.000	On	N	19.7	27.2	56.0
5.798000	45.5	5000.0	9.000	On	L1	19.5	14.5	60.0
6.386000	34.4	5000.0	9.000	On	L1	19.5	25.6	60.0

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.538000	41.4	5000.0	9.000	On	L1	19.9	4.6	46.0
0.974000	20.8	5000.0	9.000	On	L1	19.6	25.2	46.0
2.050000	17.9	5000.0	9.000	On	N	19.7	28.1	46.0
2.926000	24.3	5000.0	9.000	On	L1	19.5	21.7	46.0
5.742000	36.2	5000.0	9.000	On	L1	19.5	13.8	50.0
6.238000	28.3	5000.0	9.000	On	L1	19.6	21.7	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).

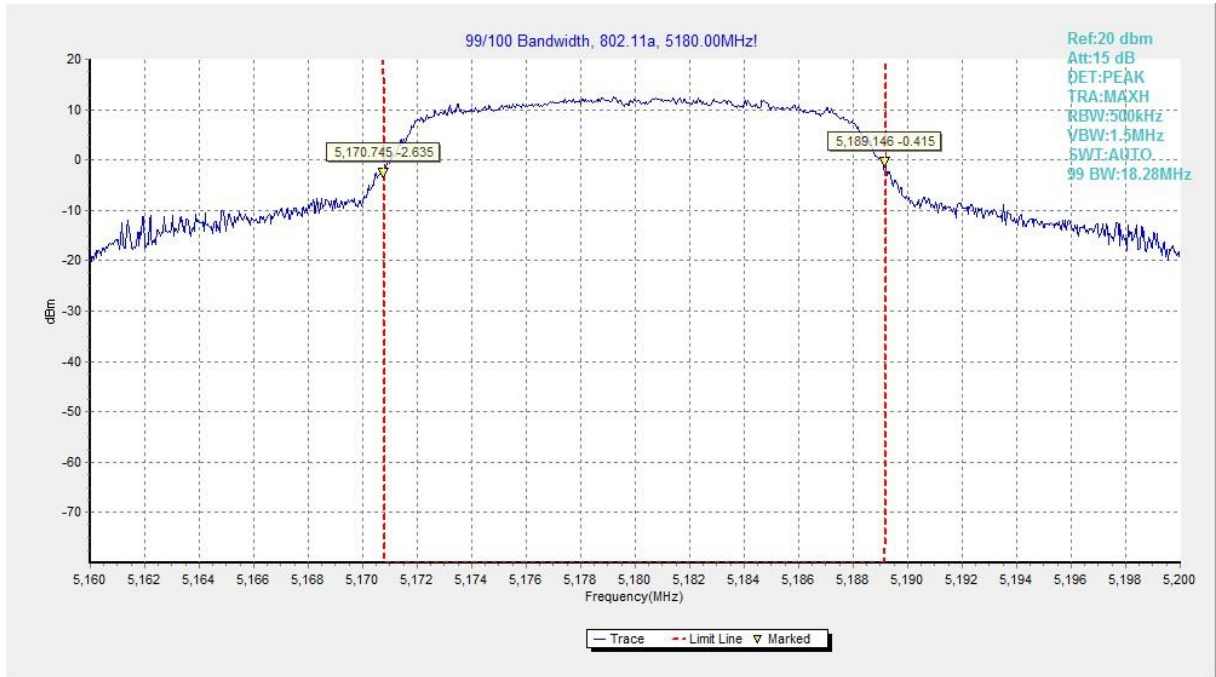
#### Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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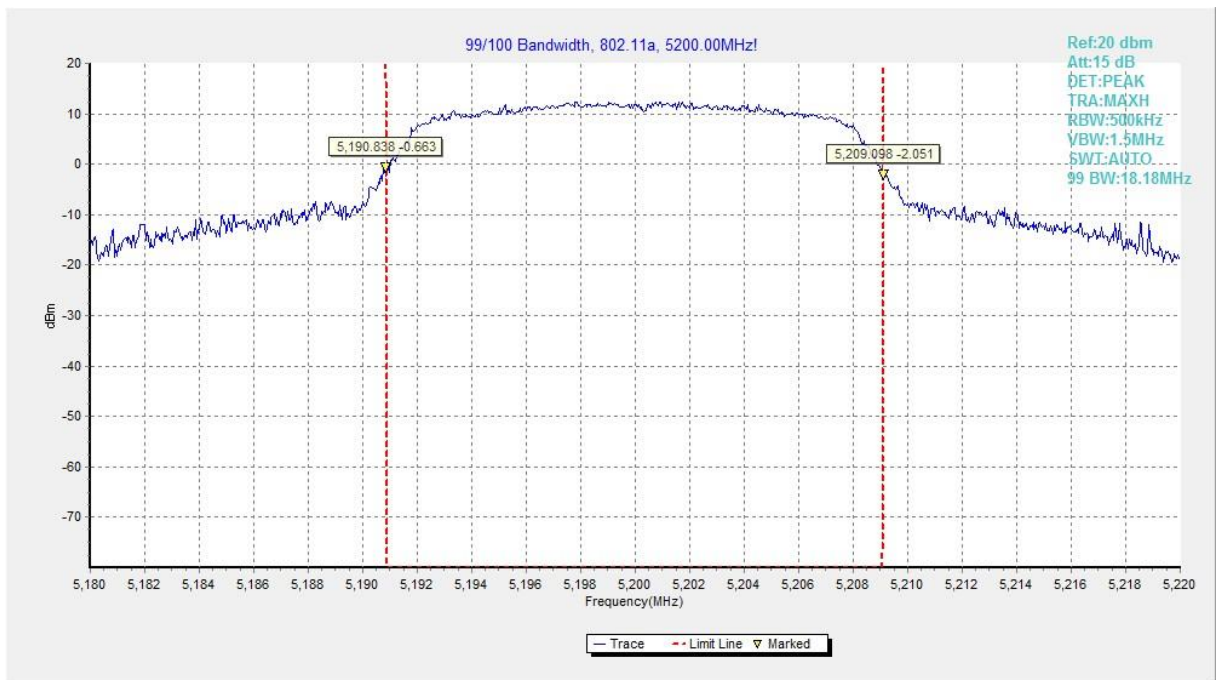
#### Measurement Result:

Mode	Frequency	99% Occupied bandwidth ( MHz)		conclusion
802.11a	5180 MHz	Fig.60	18.28	P
	5200 MHz	Fig.61	18.18	P
	5240 MHz	Fig.62	18.46	P
802.11ac HT20	5180 MHz	Fig.63	18.77	P
	5200 MHz	Fig.64	18.80	P
	5240 MHz	Fig.65	18.90	P
802.11n HT40	5190 MHz	Fig.66	36.54	P
	5230 MHz	Fig.67	36.62	P
802.11ac HT80	5210 MHz	Fig.68	76.17	P

**Conclusion: PASS**  
**Test graphs as below:**

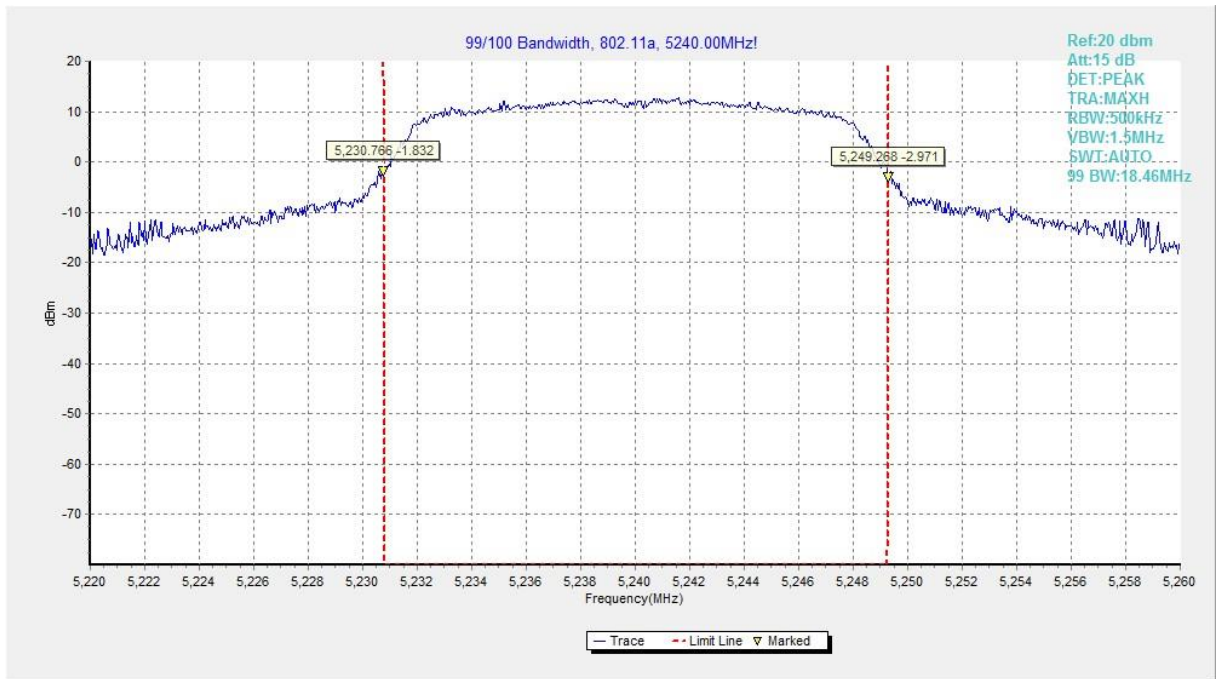


**Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)**

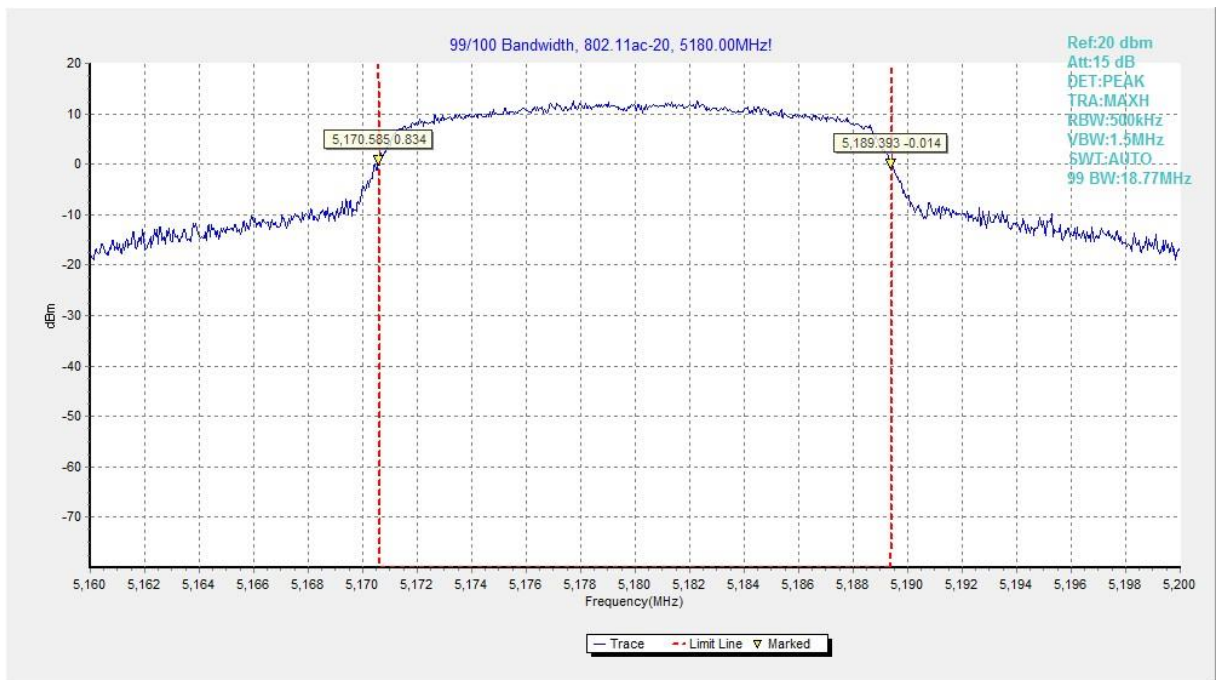


**Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)**

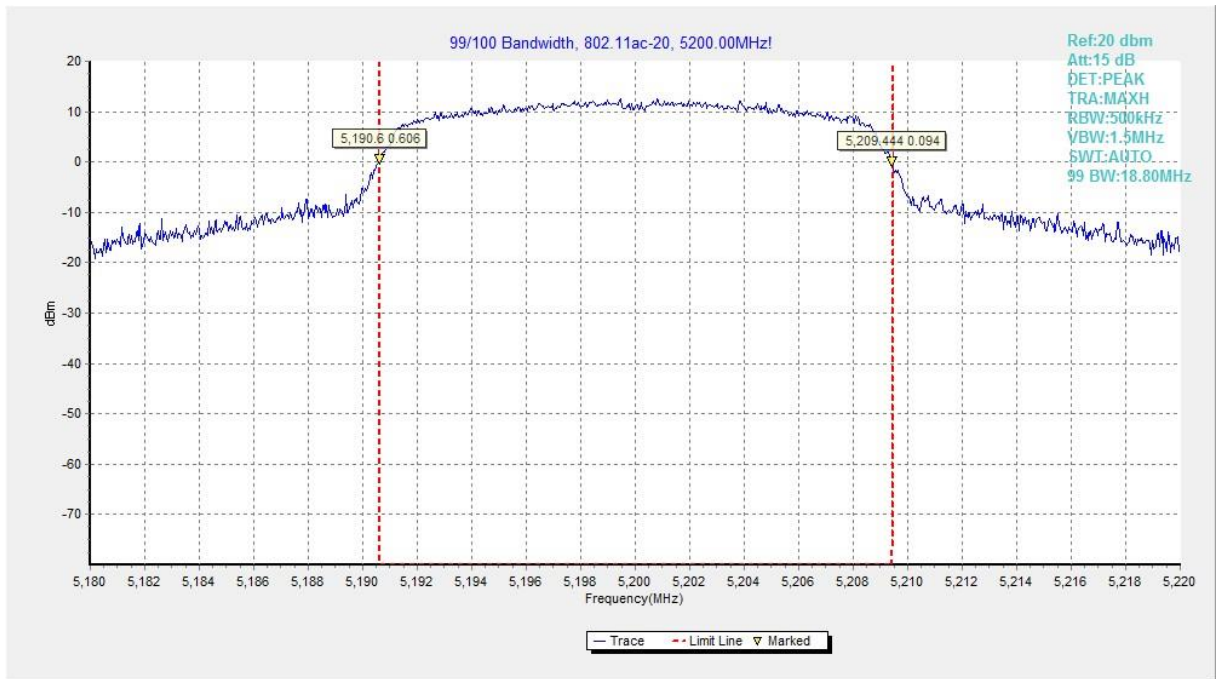




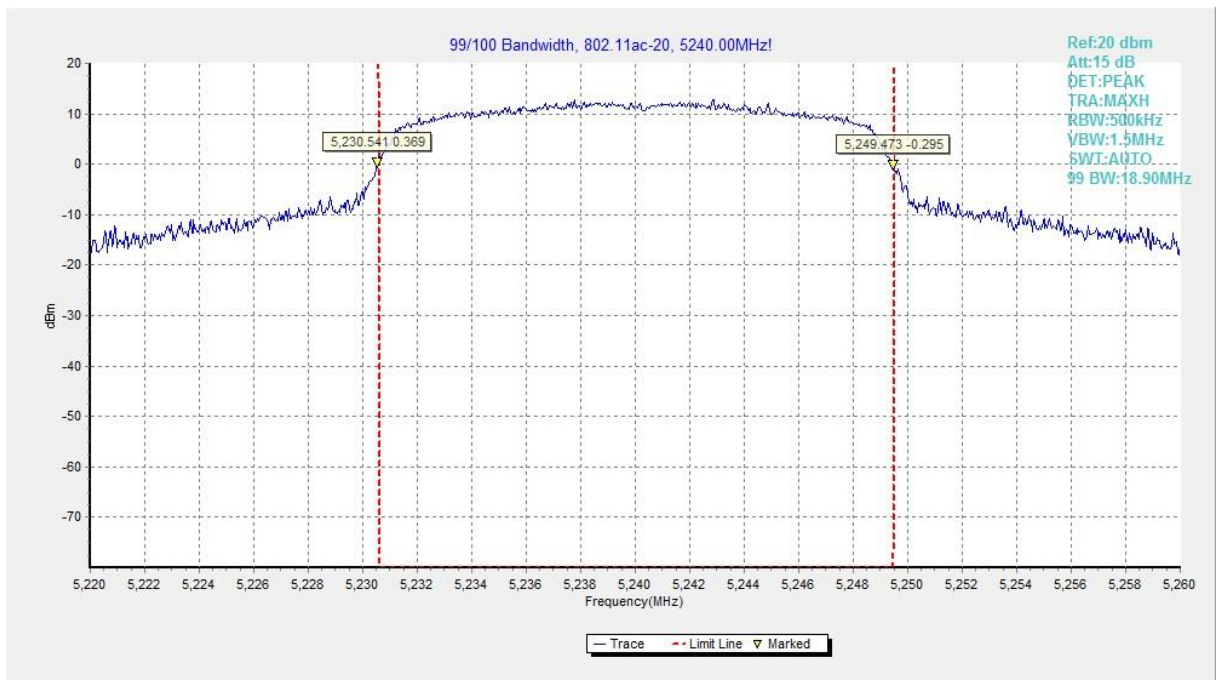
**Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)**



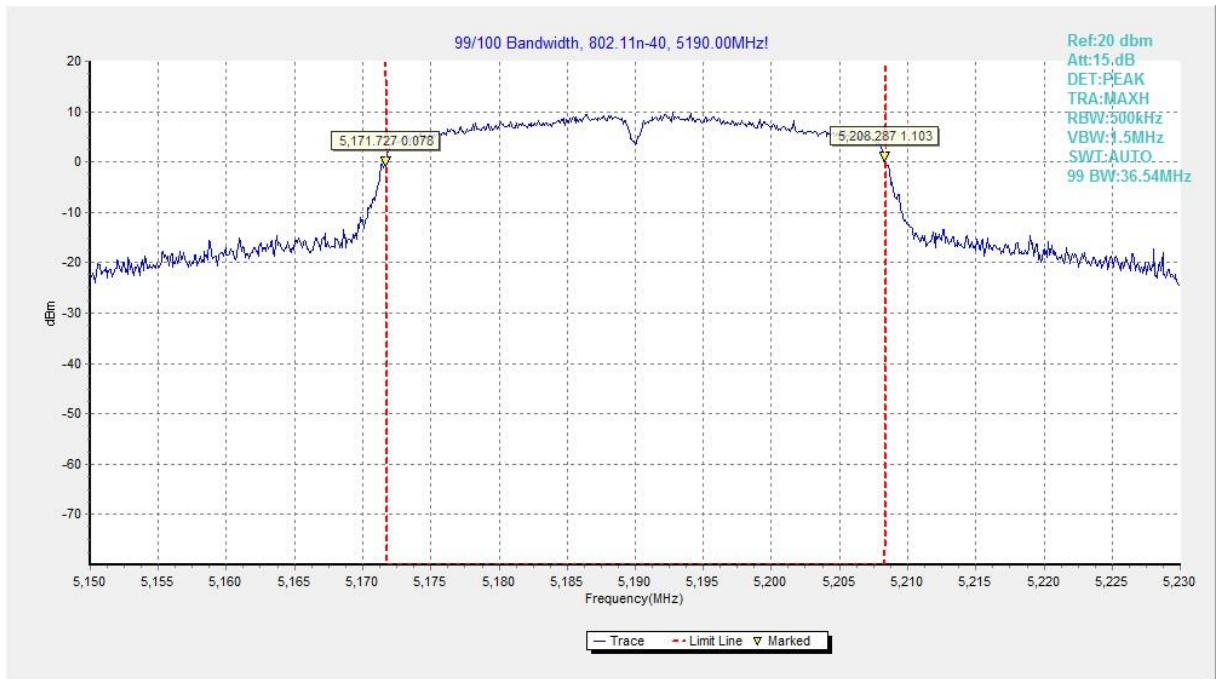
**Fig.63 99% Occupied bandwidth (802.11ac-HT20, 5180MHz)**



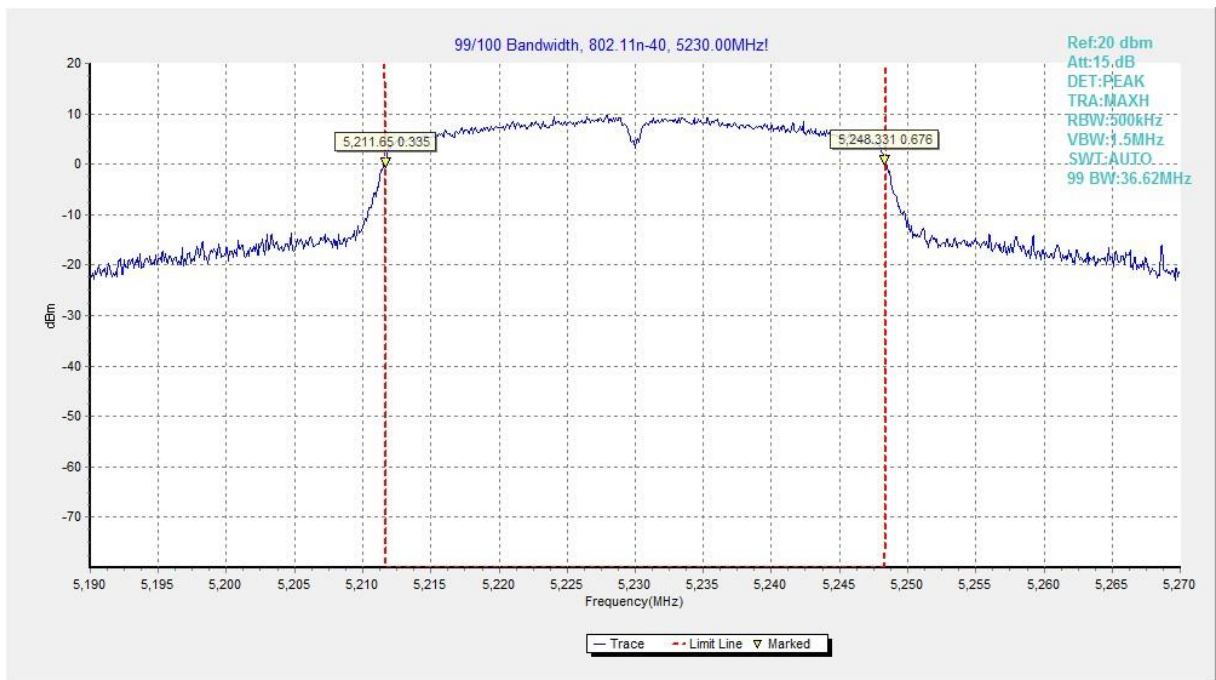
**Fig.64 99% Occupied bandwidth (802.11ac-HT20, 5200MHz)**



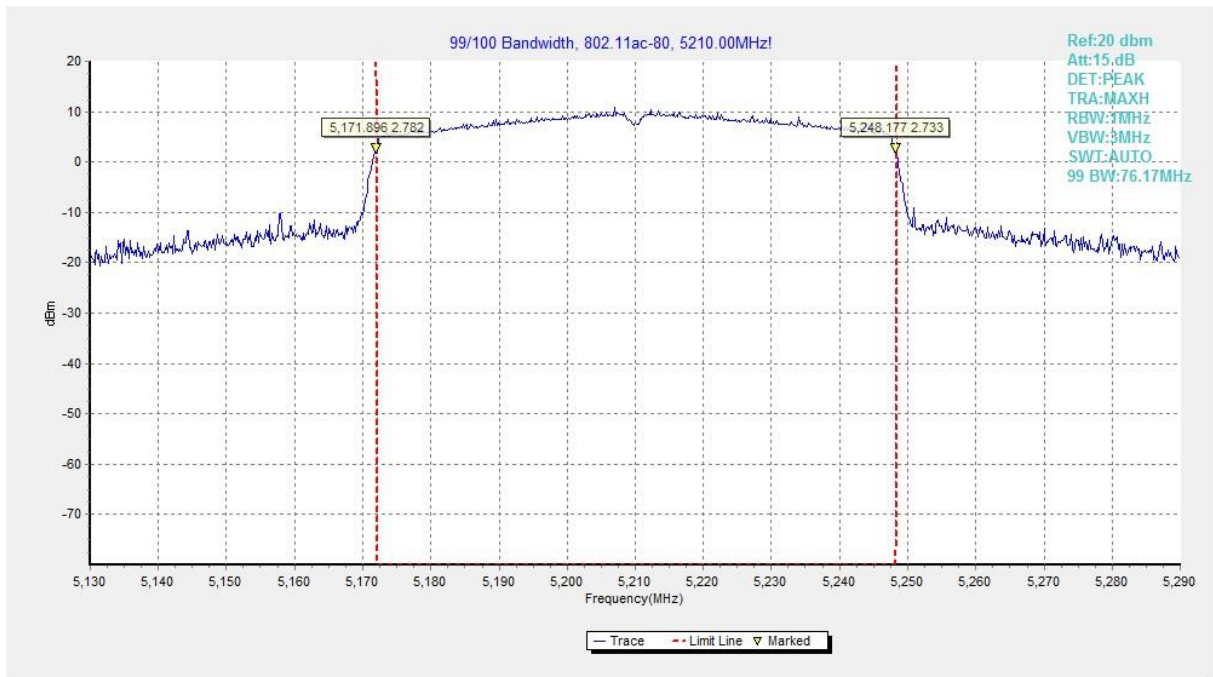
**Fig.65 99% Occupied bandwidth (802.11ac-HT20, 5240MHz)**



**Fig.66 99% Occupied bandwidth (802.11n-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

<b>United States Department of Commerce National Institute of Standards and Technology</b>	
 	
<hr/> <b>Certificate of Accreditation to ISO/IEC 17025:2017</b> <hr/>	
NVLAP LAB CODE: 600118-0	
<b>Telecommunication Technology Labs, CAICT</b> Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
<b>Electromagnetic Compatibility &amp; Telecommunications</b>	
<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 Communique dated January 2009).</i>	
<hr/> 2021-09-29 through 2022-09-30 <i>Effective Dates</i>	 For the National Voluntary Laboratory Accreditation Program

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