

**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)
17998.350	43.83	-29.59	45.95	27.47	54.00	10.17	H
17988.450	43.77	-29.59	45.95	27.41	54.00	10.23	V
14496.500	36.38	-29.56	41.90	24.04	54.00	17.62	H
14487.700	36.30	-29.56	41.90	23.96	54.00	17.70	H
5148.920	43.13	-28.00	34.00	37.13	54.00	10.87	H
5143.720	43.03	-27.79	34.00	36.82	54.00	10.97	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)
17994.500	43.69	-29.59	45.95	27.33	54.00	10.31	V
17995.600	43.66	-29.59	45.95	27.30	54.00	10.34	H
14486.050	36.11	-29.56	41.90	23.77	54.00	17.89	V
14493.750	36.09	-29.56	41.90	23.75	54.00	17.91	V
11834.500	33.07	-32.73	39.15	26.65	54.00	20.93	V
11912.050	33.04	-32.53	39.10	26.47	54.00	20.96	V

## Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.350	43.92	-29.59	45.95	27.56	54.00	10.08	V
17981.300	43.83	-29.59	45.95	27.47	54.00	10.17	H
14483.850	36.47	-29.56	41.90	24.13	54.00	17.53	V
14498.700	36.32	-29.56	41.90	23.98	54.00	17.68	V
11878.500	33.29	-32.73	39.15	26.87	54.00	20.71	V
11853.200	33.24	-32.73	39.15	26.82	54.00	20.76	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)
17992.850	43.84	-29.59	45.95	27.48	54.00	10.16	H
17988.450	43.53	-29.59	45.95	27.17	54.00	10.47	H
14491.000	36.12	-29.56	41.90	23.78	54.00	17.88	V
14486.600	36.11	-29.56	41.90	23.77	54.00	17.89	H
11837.800	33.08	-32.73	39.15	26.66	54.00	20.92	V
11897.750	32.97	-32.53	39.10	26.40	54.00	21.03	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	43.71	-29.59	45.95	27.35	54.00	10.29	H
17991.200	43.54	-29.59	45.95	27.18	54.00	10.46	V
14474.500	36.15	-29.56	41.90	23.81	54.00	17.85	V
14488.800	36.14	-29.56	41.90	23.80	54.00	17.86	V
11873.550	33.21	-32.73	39.15	26.79	54.00	20.79	H
11888.950	32.85	-32.53	39.10	26.28	54.00	21.15	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)
17996.150	43.54	-29.59	45.95	27.18	54.00	10.46	H
17995.050	43.51	-29.59	45.95	27.15	54.00	10.49	H
14496.500	36.54	-29.56	41.90	24.20	54.00	17.46	H
14495.400	36.33	-29.56	41.90	23.99	54.00	17.67	H
5351.008	43.88	-27.82	34.20	37.50	54.00	10.12	H
5350.336	43.78	-27.82	34.20	37.40	54.00	10.22	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)
17993.950	44.29	-29.59	45.95	27.93	54.00	9.71	V
17992.850	44.08	-29.59	45.95	27.72	54.00	9.92	V
14480.000	37.26	-29.56	41.90	24.92	54.00	16.74	V
14495.950	37.05	-29.56	41.90	24.71	54.00	16.95	H
5458.285	42.99	-27.49	34.20	36.28	54.00	11.01	H
5455.810	42.89	-27.49	34.20	36.18	54.00	11.11	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)
17994.500	44.24	-29.59	45.95	27.88	54.00	9.76	V
17997.250	44.14	-29.59	45.95	27.78	54.00	9.86	V
14491.000	37.27	-29.56	41.90	24.93	54.00	16.73	H
14489.350	37.22	-29.56	41.90	24.88	54.00	16.78	V
11903.800	34.04	-32.53	39.10	27.47	54.00	19.96	H
11901.600	34.02	-32.53	39.10	27.45	54.00	19.98	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)
17979.650	44.31	-29.59	45.95	27.95	54.00	9.69	H
17998.900	44.22	-29.59	45.95	27.86	54.00	9.78	V
14475.600	37.29	-29.56	41.90	24.95	54.00	16.71	V
14492.100	37.27	-29.56	41.90	24.93	54.00	16.73	H
11909.850	34.10	-32.53	39.10	27.53	54.00	19.90	V
11881.800	34.01	-32.53	39.10	27.44	54.00	19.99	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)
17996.700	43.83	-29.59	45.95	27.47	54.00	10.17	H
17985.150	43.58	-29.59	45.95	27.22	54.00	10.42	H
14497.600	36.09	-29.56	41.90	23.75	54.00	17.91	V
14498.700	36.04	-29.56	41.90	23.70	54.00	17.96	V
5149.840	43.06	-28.00	34.00	37.06	54.00	10.94	H
5145.220	42.99	-27.79	34.00	36.78	54.00	11.01	H

## Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17989.550	43.76	-29.59	45.95	27.40	54.00	10.24	H
17990.650	43.69	-29.59	45.95	27.33	54.00	10.31	V
14491.000	36.10	-29.56	41.90	23.76	54.00	17.90	V
14498.150	36.07	-29.56	41.90	23.73	54.00	17.93	V
11848.800	33.36	-32.73	39.15	26.94	54.00	20.64	V
11856.500	32.93	-32.73	39.15	26.51	54.00	21.07	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)
17997.800	44.09	-29.59	45.95	27.73	54.00	9.91	V
17987.350	43.54	-29.59	45.95	27.18	54.00	10.46	H
14486.600	35.17	-29.56	41.90	22.83	54.00	18.83	H
14490.450	35.16	-29.56	41.90	22.82	54.00	18.84	V
11910.400	32.25	-32.53	39.10	25.68	54.00	21.75	V
11858.150	31.93	-32.73	39.15	25.51	54.00	22.07	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)
17978.550	43.52	-29.59	45.95	27.16	54.00	10.48	V
17952.150	43.51	-29.59	45.95	27.15	54.00	10.49	H
14492.650	36.32	-29.56	41.90	23.98	54.00	17.68	H
14497.600	36.28	-29.56	41.90	23.94	54.00	17.72	V
11821.850	33.10	-32.09	39.20	25.99	54.00	20.90	V
11929.100	32.97	-32.53	39.10	26.40	54.00	21.03	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)
17996.150	43.69	-29.59	45.95	27.33	54.00	10.31	H
17978.550	43.58	-29.59	45.95	27.22	54.00	10.42	V
14488.250	36.25	-29.56	41.90	23.91	54.00	17.75	V
14499.250	36.21	-29.56	41.90	23.87	54.00	17.79	H
8447.600	33.03	-34.69	37.40	30.32	54.00	20.97	V
11908.200	33.03	-32.53	39.10	26.46	54.00	20.97	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)
17985.150	43.90	-29.59	45.95	27.54	54.00	10.10	V
17997.800	43.58	-29.59	45.95	27.22	54.00	10.42	V
14498.700	36.68	-29.56	41.90	24.34	54.00	17.32	V
14497.600	36.32	-29.56	41.90	23.98	54.00	17.68	H
5351.216	45.45	-27.82	34.20	39.07	54.00	8.55	H
5351.296	45.30	-27.82	34.20	38.92	54.00	8.70	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)
17993.400	43.71	-29.59	45.95	27.35	54.00	10.29	V
17965.350	43.63	-29.59	45.95	27.27	54.00	10.37	H
14491.550	36.26	-29.56	41.90	23.92	54.00	17.74	H
14495.950	36.03	-29.56	41.90	23.69	54.00	17.97	H
5458.195	42.99	-27.49	34.20	36.28	54.00	11.01	H
5457.685	42.72	-27.49	34.20	36.01	54.00	11.28	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)
17997.800	44.12	-29.59	45.95	27.76	54.00	9.88	V
17966.450	44.09	-29.59	45.95	27.73	54.00	9.91	V
14487.700	37.29	-29.56	41.90	24.95	54.00	16.71	V
14482.750	37.05	-29.56	41.90	24.71	54.00	16.95	H
11891.700	34.21	-32.53	39.10	27.64	54.00	19.79	V
11929.100	34.16	-32.53	39.10	27.59	54.00	19.84	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)
17940.050	44.15	-29.59	45.95	27.79	54.00	9.85	H
17996.700	44.09	-29.59	45.95	27.73	54.00	9.91	H
14486.600	37.23	-29.56	41.90	24.89	54.00	16.77	V
14486.050	37.07	-29.56	41.90	24.73	54.00	16.93	H
11871.900	34.12	-32.73	39.15	27.70	54.00	19.88	H
11861.450	34.00	-32.73	39.15	27.58	54.00	20.00	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)
17961.500	43.57	-29.59	45.95	27.21	54.00	10.43	H
17995.050	43.57	-29.59	45.95	27.21	54.00	10.43	H
14493.750	35.90	-29.56	41.90	23.56	54.00	18.10	V
14482.200	35.82	-29.56	41.90	23.48	54.00	18.18	H
5149.880	44.72	-28.00	34.00	38.72	54.00	9.28	H
5148.820	44.43	-28.00	34.00	38.43	54.00	9.57	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)
17986.800	43.39	-29.59	45.95	27.03	54.00	10.61	H
17981.850	43.38	-29.59	45.95	27.02	54.00	10.62	H
14496.500	35.91	-29.56	41.90	23.57	54.00	18.09	H
14498.700	35.87	-29.56	41.90	23.53	54.00	18.13	V
11803.150	32.79	-32.09	39.20	25.68	54.00	21.21	V
11890.050	32.63	-32.53	39.10	26.06	54.00	21.37	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)
17991.200	44.20	-29.59	45.95	27.84	54.00	9.80	H
17990.650	43.81	-29.59	45.95	27.45	54.00	10.19	H
14484.400	36.74	-29.56	41.90	24.40	54.00	17.26	V
14482.750	36.44	-29.56	41.90	24.10	54.00	17.56	H
11823.500	33.32	-32.09	39.20	26.21	54.00	20.68	H
11832.300	33.21	-32.73	39.15	26.79	54.00	20.79	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)
17998.900	44.13	-29.59	45.95	27.77	54.00	9.87	V
17973.050	44.05	-29.59	45.95	27.69	54.00	9.95	V
14488.800	37.09	-29.56	41.90	24.75	54.00	16.91	V
14496.500	37.09	-29.56	41.90	24.75	54.00	16.91	H
5350.128	47.32	-27.82	34.20	40.94	54.00	6.68	H
5350.288	46.55	-27.82	34.20	40.17	54.00	7.45	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)
17992.300	44.09	-29.59	45.95	27.73	54.00	9.91	V
17932.900	44.00	-29.59	45.95	27.64	54.00	10.00	V
14497.050	37.06	-29.56	41.90	24.72	54.00	16.94	V
14493.200	36.94	-29.56	41.90	24.60	54.00	17.06	V
5456.785	45.96	-27.49	34.20	39.25	54.00	8.04	H
5459.890	45.93	-27.49	34.20	39.22	54.00	8.07	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)
17993.400	44.12	-29.59	45.95	27.76	54.00	9.88	V
17997.800	44.12	-29.59	45.95	27.76	54.00	9.88	V
14482.200	37.16	-29.56	41.90	24.82	54.00	16.84	V
14488.250	37.08	-29.56	41.90	24.74	54.00	16.92	V
11891.150	34.69	-32.53	39.10	28.12	54.00	19.31	V
11899.950	33.93	-32.53	39.10	27.36	54.00	20.07	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)
17997.800	44.01	-29.59	45.95	27.65	54.00	9.99	V
17955.450	44.00	-29.59	45.95	27.64	54.00	10.00	H
14480.000	37.08	-29.56	41.90	24.74	54.00	16.92	V
14496.500	37.07	-29.56	41.90	24.73	54.00	16.93	V
11850.450	33.93	-32.73	39.15	27.51	54.00	20.07	V
11877.400	33.86	-32.73	39.15	27.44	54.00	20.14	V

## 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)
17973.050	44.35	-29.59	45.95	27.99	54.00	9.65	V
17992.300	44.21	-29.59	45.95	27.85	54.00	9.79	H
14499.800	36.97	-29.56	41.90	24.63	54.00	17.03	H
14483.300	36.91	-29.56	41.90	24.57	54.00	17.09	V
11855.950	34.15	-32.73	39.15	27.73	54.00	19.85	H
11917.000	33.95	-32.53	39.10	27.38	54.00	20.05	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)
17986.800	43.94	-29.59	45.95	27.58	54.00	10.06	V
17991.200	43.76	-29.59	45.95	27.40	54.00	10.24	H
14498.700	36.43	-29.56	41.90	24.09	54.00	17.57	V
14488.250	36.17	-29.56	41.90	23.83	54.00	17.83	V
5148.240	43.18	-27.79	34.00	36.97	54.00	10.82	H
5149.660	43.17	-28.00	34.00	37.17	54.00	10.83	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)
17996.150	43.71	-29.59	45.95	27.35	54.00	10.29	H
17991.200	43.64	-29.59	45.95	27.28	54.00	10.36	V
14474.500	36.21	-29.56	41.90	23.87	54.00	17.79	H
14492.650	35.97	-29.56	41.90	23.63	54.00	18.03	V
11844.400	33.45	-32.73	39.15	27.03	54.00	20.55	V
8320.000	33.04	-34.93	37.20	30.77	54.00	20.96	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)
17996.150	43.34	-29.59	45.95	26.98	54.00	10.66	V
17998.350	43.14	-29.59	45.95	26.78	54.00	10.86	H
14497.600	35.58	-29.56	41.90	23.24	54.00	18.42	H
14499.250	35.50	-29.56	41.90	23.16	54.00	18.50	V
11824.050	32.10	-32.09	39.20	24.99	54.00	21.90	V
11889.500	32.06	-32.53	39.10	25.49	54.00	21.94	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)
17978.550	43.71	-29.59	45.95	27.35	54.00	10.29	H
17998.350	43.59	-29.59	45.95	27.23	54.00	10.41	V
14488.250	36.17	-29.56	41.90	23.83	54.00	17.83	H
14488.800	35.93	-29.56	41.90	23.59	54.00	18.07	V
11897.750	32.86	-32.53	39.10	26.29	54.00	21.14	V
11787.200	32.83	-32.09	39.20	25.72	54.00	21.17	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)
17972.500	43.86	-29.59	45.95	27.50	54.00	10.14	H
17951.600	43.69	-29.59	45.95	27.33	54.00	10.31	V
14493.750	36.23	-29.56	41.90	23.89	54.00	17.77	V
14498.700	36.18	-29.56	41.90	23.84	54.00	17.82	V
11893.350	32.99	-32.53	39.10	26.42	54.00	21.01	H
11834.500	32.92	-32.73	39.15	26.50	54.00	21.08	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)
17994.500	43.49	-29.59	45.95	27.13	54.00	10.51	H
17974.150	43.46	-29.59	45.95	27.10	54.00	10.54	H
14494.300	36.41	-29.56	41.90	24.07	54.00	17.59	V
14488.250	36.34	-29.56	41.90	24.00	54.00	17.66	H
5350.576	45.13	-27.82	34.20	38.75	54.00	8.87	H
5350.272	44.89	-27.82	34.20	38.51	54.00	9.11	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)
17989.550	43.72	-29.59	45.95	27.36	54.00	10.28	V
17997.250	43.60	-29.59	45.95	27.24	54.00	10.40	H
14492.650	36.32	-29.56	41.90	23.98	54.00	17.68	V
14498.150	36.19	-29.56	41.90	23.85	54.00	17.81	V
5459.860	43.50	-27.49	34.20	36.79	54.00	10.50	H
5458.450	43.43	-27.49	34.20	36.72	54.00	10.57	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)
17990.650	44.42	-29.59	45.95	28.06	54.00	9.58	V
17955.450	44.24	-29.59	45.95	27.88	54.00	9.76	V
14480.550	37.16	-29.56	41.90	24.82	54.00	16.84	H
14492.100	37.10	-29.56	41.90	24.76	54.00	16.90	V
11887.300	34.28	-32.53	39.10	27.71	54.00	19.72	V
11865.850	33.99	-32.73	39.15	27.57	54.00	20.01	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)
17964.250	44.39	-29.59	45.95	28.03	54.00	9.61	V
17986.800	44.35	-29.59	45.95	27.99	54.00	9.65	H
14496.500	37.09	-29.56	41.90	24.75	54.00	16.91	V
14499.250	37.07	-29.56	41.90	24.73	54.00	16.93	V
11873.550	34.04	-32.73	39.15	27.62	54.00	19.96	H
11859.800	33.93	-32.73	39.15	27.51	54.00	20.07	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)
17957.650	43.40	-29.59	45.95	27.04	54.00	10.60	H
17912.550	43.33	-29.59	45.95	26.97	54.00	10.67	V
14495.950	36.01	-29.56	41.90	23.67	54.00	17.99	H
14492.100	35.93	-29.56	41.90	23.59	54.00	18.07	V
5144.540	45.61	-27.79	34.00	39.40	54.00	8.39	H
5149.860	45.58	-28.00	34.00	39.58	54.00	8.42	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	43.55	-29.59	45.95	27.19	54.00	10.45	H
17998.350	43.46	-29.59	45.95	27.10	54.00	10.54	H
14498.700	35.96	-29.56	41.90	23.62	54.00	18.04	V
14486.050	35.93	-29.56	41.90	23.59	54.00	18.07	V
11853.200	32.82	-32.73	39.15	26.40	54.00	21.18	H
11837.800	32.75	-32.73	39.15	26.33	54.00	21.25	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)
17987.350	43.88	-29.59	45.95	27.52	54.00	10.12	H
17982.950	43.66	-29.59	45.95	27.30	54.00	10.34	V
14495.950	36.63	-29.56	41.90	24.29	54.00	17.37	H
14495.400	36.39	-29.56	41.90	24.05	54.00	17.61	V
11837.250	33.41	-32.73	39.15	26.99	54.00	20.59	H
11906.550	33.41	-32.53	39.10	26.84	54.00	20.59	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)
17960.950	44.30	-29.59	45.95	27.94	54.00	9.70	V
17986.250	44.16	-29.59	45.95	27.80	54.00	9.84	V
14495.950	37.40	-29.56	41.90	25.06	54.00	16.60	V
14486.050	37.17	-29.56	41.90	24.83	54.00	16.83	H
5351.072	46.54	-27.82	34.20	40.16	54.00	7.46	H
5350.320	46.45	-27.82	34.20	40.07	54.00	7.55	H

## Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	44.20	-29.59	45.95	27.84	54.00	9.80	V
17997.800	44.08	-29.59	45.95	27.72	54.00	9.92	V
14491.000	36.99	-29.56	41.90	24.65	54.00	17.01	V
14498.700	36.92	-29.56	41.90	24.58	54.00	17.08	V
5459.710	45.71	-27.49	34.20	39.00	54.00	8.29	H
5459.515	45.70	-27.49	34.20	38.99	54.00	8.30	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)
17995.600	44.22	-29.59	45.95	27.86	54.00	9.78	V
17988.450	44.20	-29.59	45.95	27.84	54.00	9.80	V
14481.100	36.96	-29.56	41.90	24.62	54.00	17.04	V
14498.700	36.91	-29.56	41.90	24.57	54.00	17.09	V
11873.000	33.79	-32.73	39.15	27.37	54.00	20.21	V
11853.750	33.73	-32.73	39.15	27.31	54.00	20.27	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)
17997.250	44.05	-29.59	45.95	27.69	54.00	9.95	H
17970.300	44.04	-29.59	45.95	27.68	54.00	9.96	V
14494.850	37.24	-29.56	41.90	24.90	54.00	16.76	V
14472.850	37.15	-29.56	41.90	24.81	54.00	16.85	H
11890.050	34.00	-32.53	39.10	27.43	54.00	20.00	V
11879.600	33.95	-32.73	39.15	27.53	54.00	20.05	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)
17997.800	44.17	-29.59	45.95	27.81	54.00	9.83	H
17986.800	44.06	-29.59	45.95	27.70	54.00	9.94	H
14470.100	36.86	-29.56	41.90	24.52	54.00	17.14	V
14488.800	36.65	-29.56	41.90	24.31	54.00	17.35	V
11884.550	34.00	-32.53	39.10	27.43	54.00	20.00	H
11889.500	33.77	-32.53	39.10	27.20	54.00	20.23	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)
17948.850	44.22	-29.59	45.95	27.86	54.00	9.78	H
17964.800	44.21	-29.59	45.95	27.85	54.00	9.79	V
14482.200	37.64	-29.56	41.90	25.30	54.00	16.36	V
14488.800	37.31	-29.56	41.90	24.97	54.00	16.69	V
5145.520	48.12	-27.79	34.00	41.91	54.00	5.88	H
5149.780	47.58	-28.00	34.00	41.58	54.00	6.42	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	43.35	-29.59	45.95	26.99	54.00	10.65	H
17997.800	43.34	-29.59	45.95	26.98	54.00	10.66	H
14482.200	35.97	-29.56	41.90	23.63	54.00	18.03	V
14499.250	35.86	-29.56	41.90	23.52	54.00	18.14	H
5350.624	49.89	-27.82	34.20	43.51	54.00	4.11	H
5351.616	49.70	-27.82	34.20	43.32	54.00	4.30	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)
17954.350	44.06	-29.59	45.95	27.70	54.00	9.94	V
17986.800	43.90	-29.59	45.95	27.54	54.00	10.10	V
14499.250	36.86	-29.56	41.90	24.52	54.00	17.14	H
14491.000	36.66	-29.56	41.90	24.32	54.00	17.34	H
5458.465	43.47	-27.49	34.20	36.76	54.00	10.53	H
5457.970	43.27	-27.49	34.20	36.56	54.00	10.73	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)
17979.100	44.68	-29.59	45.95	28.32	54.00	9.32	H
17998.350	44.62	-29.59	45.95	28.26	54.00	9.38	H
14487.700	37.73	-29.56	41.90	25.39	54.00	16.27	H
14495.950	37.67	-29.56	41.90	25.33	54.00	16.33	H
11846.050	35.00	-32.73	39.15	28.58	54.00	19.00	H
11902.700	34.98	-32.53	39.10	28.41	54.00	19.02	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)
17985.700	44.02	-29.59	45.95	27.66	54.00	9.98	H
17943.900	43.96	-29.59	45.95	27.60	54.00	10.04	V
14499.250	36.72	-29.56	41.90	24.38	54.00	17.28	H
14482.750	36.71	-29.56	41.90	24.37	54.00	17.29	H
11907.650	33.85	-32.53	39.10	27.28	54.00	20.15	H
11886.200	33.66	-32.53	39.10	27.09	54.00	20.34	H

**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)
17975.800	54.40	-29.59	45.95	38.04	74.00	19.60	H
17983.500	53.98	-29.59	45.95	37.62	74.00	20.02	H
13692.400	48.11	-30.98	41.00	38.09	68.20	20.09	V
14211.050	48.02	-30.75	41.75	37.02	68.20	20.18	H
5149.280	59.32	-28.00	34.00	53.32	74.00	14.68	V
5149.760	57.89	-28.00	34.00	51.89	74.00	16.11	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)
17951.600	54.62	-29.59	45.95	38.26	74.00	19.38	H
17982.950	54.39	-29.59	45.95	38.03	74.00	19.61	V
14606.500	49.00	-30.67	41.70	37.97	68.20	19.20	V
14578.450	48.28	-29.14	41.90	35.52	68.20	19.92	H
11896.100	44.34	-32.53	39.10	37.77	74.00	29.66	V
11932.400	44.09	-32.42	39.05	37.46	74.00	29.91	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	54.60	-29.59	45.95	38.24	74.00	19.40	H
17972.500	54.26	-29.59	45.95	37.90	74.00	19.74	V
14681.850	48.34	-30.04	41.50	36.88	68.20	19.86	V
14572.950	48.33	-29.14	41.90	35.57	68.20	19.87	H
11804.800	44.99	-32.09	39.20	37.88	74.00	29.01	H
11893.350	44.25	-32.53	39.10	37.68	74.00	29.75	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)
17896.600	54.48	-29.59	45.95	38.12	74.00	19.52	V
17981.300	54.41	-29.59	45.95	38.05	74.00	19.59	H
14577.350	48.31	-29.14	41.90	35.55	68.20	19.89	H
14197.850	48.16	-30.42	41.70	36.88	68.20	20.04	H
11878.500	43.94	-32.73	39.15	37.52	74.00	30.06	V
11813.600	43.73	-32.09	39.20	36.62	74.00	30.27	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)
17998.900	54.30	-29.59	45.95	37.94	74.00	19.70	H
17959.850	54.29	-29.59	45.95	37.93	74.00	19.71	H
14096.100	48.80	-30.20	41.70	37.30	68.20	19.40	V
14604.850	48.48	-30.67	41.70	37.45	68.20	19.72	V
11729.450	44.55	-32.70	39.20	38.05	74.00	29.45	V
11752.550	43.60	-32.71	39.20	37.11	74.00	30.40	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)
17944.450	55.17	-29.59	45.95	38.81	74.00	18.83	V
17998.900	54.90	-29.59	45.95	38.54	74.00	19.10	V
13766.100	48.59	-30.98	41.20	38.37	68.20	19.61	H
14671.400	48.11	-30.04	41.50	36.65	68.20	20.09	V
5351.056	64.03	-27.82	34.20	57.65	74.00	9.97	H
5350.208	61.95	-27.82	34.20	55.57	74.00	12.05	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)
16493.550	59.85	-29.90	39.00	50.75	68.20	8.35	V
16505.100	59.56	-29.90	39.00	50.46	68.20	8.64	V
14554.250	49.67	-30.55	41.90	38.32	68.20	18.53	H
14641.150	49.20	-30.67	41.70	38.17	68.20	19.00	H
5458.165	58.30	-27.49	34.20	51.59	74.00	15.70	H
5469.415	64.88	-27.49	34.20	58.17	68.20	3.32	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)
17981.300	55.15	-29.59	45.95	38.79	74.00	18.85	V
17995.050	55.04	-29.59	45.95	38.68	74.00	18.96	H
14148.350	49.27	-30.93	41.70	38.49	68.20	18.93	V
14606.500	48.77	-30.67	41.70	37.74	68.20	19.43	V
5725.180	62.82	-27.47	34.10	56.19	68.20	5.38	H
5727.315	61.94	-27.47	34.10	55.31	68.20	6.26	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)
17157.950	56.05	-29.31	41.70	43.66	68.20	12.15	V
17162.900	56.00	-29.31	41.70	43.61	68.20	12.20	V
14581.750	48.97	-29.14	41.90	36.21	68.20	19.23	V
14194.000	48.87	-30.42	41.70	37.59	68.20	19.33	H
11842.750	45.05	-32.73	39.15	38.63	74.00	28.95	H
11855.400	45.02	-32.73	39.15	38.60	74.00	28.98	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)
17995.600	54.44	-29.59	45.95	38.08	74.00	19.56	H
17953.250	54.19	-29.59	45.95	37.83	74.00	19.81	H
14102.700	48.63	-30.20	41.70	37.13	68.20	19.57	H
14662.050	48.06	-30.04	41.50	36.60	68.20	20.14	V
5149.660	59.61	-28.00	34.00	53.61	74.00	14.39	H
5147.700	58.22	-27.79	34.00	52.01	74.00	15.78	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)
17994.500	54.74	-29.59	45.95	38.38	74.00	19.26	H
17953.250	54.55	-29.59	45.95	38.19	74.00	19.45	H
14176.400	48.67	-30.42	41.70	37.39	68.20	19.53	V
14602.100	48.37	-29.14	41.90	35.61	68.20	19.83	V
11961.550	44.35	-32.42	39.05	37.72	74.00	29.65	V
11755.850	44.26	-32.71	39.20	37.77	74.00	29.74	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)
17969.750	54.24	-29.59	45.95	37.88	74.00	19.76	H
17906.500	53.76	-29.59	45.95	37.40	74.00	20.24	H
14154.400	47.37	-30.93	41.70	36.59	68.20	20.83	V
14579.000	47.17	-29.14	41.90	34.41	68.20	21.03	V
11914.800	42.71	-32.53	39.10	36.14	74.00	31.29	V
11849.900	42.54	-32.73	39.15	36.12	74.00	31.46	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)
17975.800	54.46	-29.59	45.95	38.10	74.00	19.54	H
17997.800	54.39	-29.59	45.95	38.03	74.00	19.61	H
14597.700	47.75	-29.14	41.90	34.99	68.20	20.45	H
14129.100	47.74	-30.93	41.70	36.96	68.20	20.46	H
11843.850	43.56	-32.73	39.15	37.14	74.00	30.44	V
11841.100	43.54	-32.73	39.15	37.12	74.00	30.46	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)
17975.250	54.87	-29.59	45.95	38.51	74.00	19.13	V
17981.300	54.75	-29.59	45.95	38.39	74.00	19.25	H
14505.850	48.24	-30.55	41.90	36.89	68.20	19.96	H
14517.950	48.18	-30.55	41.90	36.83	68.20	20.02	H
11897.750	44.06	-32.53	39.10	37.49	74.00	29.94	V
11903.800	43.97	-32.53	39.10	37.40	74.00	30.03	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)
17973.050	54.21	-29.59	45.95	37.85	74.00	19.79	V
17932.350	54.02	-29.59	45.95	37.66	74.00	19.98	V
14698.900	48.92	-30.04	41.50	37.46	68.20	19.28	H
14597.700	48.34	-29.14	41.90	35.58	68.20	19.86	V
5351.696	62.21	-27.82	34.20	55.83	74.00	11.79	H
5350.080	61.24	-27.82	34.20	54.86	74.00	12.76	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)
17958.750	54.89	-29.59	45.95	38.53	74.00	19.11	V
17993.950	54.59	-29.59	45.95	38.23	74.00	19.41	V
14671.950	47.85	-30.04	41.50	36.39	68.20	20.35	H
14196.750	47.50	-30.42	41.70	36.22	68.20	20.70	V
5458.255	58.96	-27.49	34.20	52.25	74.00	15.04	V
5469.025	64.04	-27.49	34.20	57.33	68.20	4.16	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)
17092.500	55.07	-29.25	41.40	42.92	68.20	13.13	V
17968.100	54.78	-29.59	45.95	38.42	74.00	19.22	V
14548.750	49.12	-30.55	41.90	37.77	68.20	19.08	V
14565.800	48.99	-29.14	41.90	36.23	68.20	19.21	V
5727.490	66.24	-27.47	34.10	59.61	68.20	1.96	H
5726.440	65.30	-27.47	34.10	58.67	68.20	2.90	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)
17158.500	56.85	-29.31	41.70	44.46	68.20	11.35	V
17160.700	55.37	-29.31	41.70	42.98	68.20	12.83	V
14065.850	49.17	-30.20	41.70	37.67	68.20	19.03	H
14568.000	49.02	-29.14	41.90	36.26	68.20	19.18	V
11915.900	44.68	-32.53	39.10	38.11	74.00	29.32	V
11920.300	44.60	-32.53	39.10	38.03	74.00	29.40	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)
17987.350	53.91	-29.59	45.95	37.55	74.00	20.09	V
17998.900	53.90	-29.59	45.95	37.54	74.00	20.10	H
14565.800	48.07	-29.14	41.90	35.31	68.20	20.13	V
14108.750	47.75	-30.20	41.70	36.25	68.20	20.45	H
5148.720	66.77	-28.00	34.00	60.77	74.00	7.23	H
5149.860	64.91	-28.00	34.00	58.91	74.00	9.09	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)
17938.400	54.17	-29.59	45.95	37.81	74.00	19.83	V
17981.300	53.96	-29.59	45.95	37.60	74.00	20.04	V
14148.350	48.02	-30.93	41.70	37.24	68.20	20.18	V
14107.100	47.68	-30.20	41.70	36.18	68.20	20.52	V
11884.000	44.03	-32.53	39.10	37.46	74.00	29.97	V
11917.000	43.65	-32.53	39.10	37.08	74.00	30.35	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)
17981.300	55.37	-29.59	45.95	39.01	74.00	18.63	H
17942.800	54.39	-29.59	45.95	38.03	74.00	19.61	H
14574.050	49.52	-29.14	41.90	36.76	68.20	18.68	V
14086.750	48.74	-30.20	41.70	37.24	68.20	19.46	V
11780.050	44.70	-32.71	39.20	38.21	74.00	29.30	H
11407.150	44.47	-32.58	39.00	38.05	74.00	29.53	V



## Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17980.200	55.04	-29.59	45.95	38.68	74.00	18.96	H
17974.700	54.43	-29.59	45.95	38.07	74.00	19.57	V
14076.300	48.96	-30.20	41.70	37.46	68.20	19.24	V
14100.500	48.82	-30.20	41.70	37.32	68.20	19.38	V
5350.304	65.00	-27.82	34.20	58.62	74.00	9.00	H
5360.464	64.43	-27.82	34.20	58.05	74.00	9.57	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)
17946.100	54.69	-29.59	45.95	38.33	74.00	19.31	V
16517.750	54.64	-29.90	39.00	45.54	68.20	13.56	V
14581.200	49.16	-29.14	41.90	36.40	68.20	19.04	H
14576.250	48.73	-29.14	41.90	35.97	68.20	19.47	V
5458.015	62.08	-27.49	34.20	55.37	74.00	11.92	H
5469.175	67.02	-27.49	34.20	60.31	68.20	1.18	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)
17998.350	54.66	-29.59	45.95	38.30	74.00	19.34	H
17926.300	54.48	-29.59	45.95	38.12	74.00	19.52	V
14125.250	48.76	-30.93	41.70	37.98	68.20	19.44	H
14060.350	48.70	-30.20	41.70	37.20	68.20	19.50	V
11914.250	44.92	-32.53	39.10	38.35	74.00	29.08	V
11899.400	44.61	-32.53	39.10	38.04	74.00	29.39	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)
17992.300	55.03	-29.59	45.95	38.67	74.00	18.97	V
17975.250	54.97	-29.59	45.95	38.61	74.00	19.03	H
14270.450	49.19	-30.12	41.80	37.51	68.20	19.01	H
14555.900	49.05	-29.14	41.90	36.29	68.20	19.15	V
5725.950	55.59	-27.47	34.10	48.96	68.20	12.61	H
5727.262	55.45	-27.47	34.10	48.82	68.20	12.75	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)
17987.350	54.69	-29.59	45.95	38.33	74.00	19.31	V
17987.900	54.59	-29.59	45.95	38.23	74.00	19.41	H
14615.850	49.45	-30.67	41.70	38.42	68.20	18.75	V
14315.550	48.85	-30.44	41.85	37.44	68.20	19.35	H
11846.600	44.65	-32.73	39.15	38.23	74.00	29.35	H
11815.250	44.56	-32.09	39.20	37.45	74.00	29.44	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)
17964.250	54.48	-29.59	45.95	38.12	74.00	19.52	H
17976.350	54.13	-29.59	45.95	37.77	74.00	19.87	H
13787.000	48.14	-30.98	41.20	37.92	68.20	20.06	H
14191.800	47.89	-30.42	41.70	36.61	68.20	20.31	H
5148.340	60.74	-27.79	34.00	54.53	74.00	13.26	H
5148.140	58.67	-27.79	34.00	52.46	74.00	15.33	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)
17981.850	54.69	-29.59	45.95	38.33	74.00	19.31	H
17991.750	54.18	-29.59	45.95	37.82	74.00	19.82	V
14562.500	48.39	-29.14	41.90	35.63	68.20	19.81	V
13722.100	47.97	-31.18	41.10	38.05	68.20	20.23	H
11844.400	43.95	-32.73	39.15	37.53	74.00	30.05	V
11812.500	43.71	-32.09	39.20	36.60	74.00	30.29	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)
17993.400	55.72	-29.59	45.95	39.36	74.00	18.28	H
17893.300	54.08	-29.59	45.95	37.72	74.00	19.92	V
14176.950	47.73	-30.42	41.70	36.45	68.20	20.47	H
13822.750	47.25	-30.20	41.25	36.20	68.20	20.95	V
11853.750	44.02	-32.73	39.15	37.60	74.00	29.98	V
11888.400	43.19	-32.53	39.10	36.62	74.00	30.81	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)
17973.600	54.77	-29.59	45.95	38.41	74.00	19.23	H
17989.000	54.42	-29.59	45.95	38.06	74.00	19.58	V
14097.200	48.19	-30.20	41.70	36.69	68.20	20.01	V
14086.750	47.64	-30.20	41.70	36.14	68.20	20.56	H
11849.900	44.00	-32.73	39.15	37.58	74.00	30.00	V
11781.150	43.81	-32.71	39.20	37.32	74.00	30.19	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)
17985.150	54.11	-29.59	45.95	37.75	74.00	19.89	V
17964.800	54.10	-29.59	45.95	37.74	74.00	19.90	H
14176.950	48.17	-30.42	41.70	36.89	68.20	20.03	V
14095.550	47.96	-30.20	41.70	36.46	68.20	20.24	V
11813.050	44.22	-32.09	39.20	37.11	74.00	29.78	V
11833.950	43.86	-32.73	39.15	37.44	74.00	30.14	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)
17937.850	54.42	-29.59	45.95	38.06	74.00	19.58	V
17909.250	54.23	-29.59	45.95	37.87	74.00	19.77	V
14572.950	48.20	-29.14	41.90	35.44	68.20	20.00	H
14160.450	48.01	-30.42	41.70	36.73	68.20	20.19	V
5350.176	63.23	-27.82	34.20	56.85	74.00	10.77	H
5350.272	62.40	-27.82	34.20	56.02	74.00	11.60	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)
16501.800	56.82	-29.90	39.00	47.72	68.20	11.38	V
16501.250	56.74	-29.90	39.00	47.64	68.20	11.46	V
14197.300	48.22	-30.42	41.70	36.94	68.20	19.98	H
13673.150	47.98	-30.98	41.00	37.96	68.20	20.22	V
5458.855	60.73	-27.49	34.20	54.02	74.00	13.27	H
5469.655	63.94	-27.49	34.20	57.23	68.20	4.26	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)
17107.350	56.98	-29.25	41.40	44.83	68.20	11.22	V
17100.750	56.29	-29.25	41.40	44.14	68.20	11.91	V
14206.100	49.73	-30.42	41.70	38.45	68.20	18.47	H
14196.200	49.45	-30.42	41.70	38.17	68.20	18.75	V
5726.440	63.40	-27.47	34.10	56.77	68.20	4.80	H
5725.092	62.29	-27.47	34.10	55.66	68.20	5.91	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)
17156.300	55.88	-29.31	41.70	43.49	68.20	12.32	V
17161.800	55.86	-29.31	41.70	43.47	68.20	12.34	V
14172.550	49.43	-30.42	41.70	38.15	68.20	18.77	H
14203.900	48.54	-30.42	41.70	37.26	68.20	19.66	H
11784.450	45.22	-32.09	39.20	38.11	74.00	28.78	V
11853.200	44.94	-32.73	39.15	38.52	74.00	29.06	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)
17990.650	54.67	-29.59	45.95	38.31	74.00	19.33	V
17939.500	54.62	-29.59	45.95	38.26	74.00	19.38	H
14693.950	47.40	-30.04	41.50	35.94	68.20	20.80	V
14498.150	47.35	-29.56	41.90	35.01	74.00	26.65	V
5149.380	65.34	-28.00	34.00	59.34	74.00	8.66	V
5146.480	65.27	-27.79	34.00	59.06	74.00	8.73	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)
17983.500	54.14	-29.59	45.95	37.78	74.00	19.86	V
17954.350	54.04	-29.59	45.95	37.68	74.00	19.96	V
13718.250	47.66	-31.18	41.10	37.74	68.20	20.54	H
14649.950	47.66	-30.67	41.70	36.63	68.20	20.54	H
11813.600	44.07	-32.09	39.20	36.96	74.00	29.93	H
11715.700	43.74	-32.70	39.20	37.24	74.00	30.26	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)
17978.550	55.37	-29.59	45.95	39.01	74.00	18.63	V
17997.800	54.51	-29.59	45.95	38.15	74.00	19.49	H
14708.250	49.03	-30.13	41.35	37.81	68.20	19.17	H
14598.800	48.59	-29.14	41.90	35.83	68.20	19.61	V
11866.950	44.32	-32.73	39.15	37.90	74.00	29.68	H
11883.450	44.28	-32.53	39.10	37.71	74.00	29.72	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)
17973.600	55.00	-29.59	45.95	38.64	74.00	19.00	V
17963.150	54.91	-29.59	45.95	38.55	74.00	19.09	V
14556.450	49.60	-29.14	41.90	36.84	68.20	18.60	H
14592.750	49.48	-29.14	41.90	36.72	68.20	18.72	V
5350.240	66.93	-27.82	34.20	60.55	74.00	7.07	H
5357.424	65.35	-27.82	34.20	58.97	74.00	8.65	H

## Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	54.86	-29.59	45.95	38.50	74.00	19.14	H
16529.300	54.40	-29.90	39.00	45.30	68.20	13.80	V
13715.500	48.77	-31.18	41.10	38.85	68.20	19.43	V
13707.250	48.56	-30.98	41.00	38.54	68.20	19.64	V
5459.620	62.90	-27.49	34.20	56.19	74.00	11.10	H
5463.925	66.94	-27.49	34.20	60.23	68.20	1.26	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)
17958.200	54.74	-29.59	45.95	38.38	74.00	19.26	V
17937.850	54.70	-29.59	45.95	38.34	74.00	19.30	V
13688.000	49.02	-30.98	41.00	39.00	68.20	19.18	H
13731.450	48.97	-31.18	41.10	39.05	68.20	19.23	H
11801.500	45.55	-32.09	39.20	38.44	74.00	28.45	V
11927.450	45.31	-32.53	39.10	38.74	74.00	28.69	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)
17980.200	55.33	-29.59	45.95	38.97	74.00	18.67	V
17987.900	54.95	-29.59	45.95	38.59	74.00	19.05	V
14564.150	49.21	-29.14	41.90	36.45	68.20	18.99	V
14585.050	48.86	-29.14	41.90	36.10	68.20	19.34	V
5726.283	55.55	-27.47	34.10	48.92	68.20	12.65	H
5725.215	55.20	-27.47	34.10	48.57	68.20	13.00	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)
17992.850	55.29	-29.59	45.95	38.93	74.00	18.71	H
17979.100	55.00	-29.59	45.95	38.64	74.00	19.00	V
14557.000	49.01	-29.14	41.90	36.25	68.20	19.19	H
14594.950	48.80	-29.14	41.90	36.04	68.20	19.40	H
11874.100	44.48	-32.73	39.15	38.06	74.00	29.52	V
11849.900	44.42	-32.73	39.15	38.00	74.00	29.58	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)
17972.500	54.89	-29.59	45.95	38.53	74.00	19.11	H
17996.150	54.74	-29.59	45.95	38.38	74.00	19.26	H
14190.150	49.26	-30.42	41.70	37.98	68.20	18.94	V
14101.600	49.25	-30.20	41.70	37.75	68.20	18.95	V
5145.520	64.84	-27.79	34.00	58.63	74.00	9.16	H
5147.260	64.76	-27.79	34.00	58.55	74.00	9.24	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)
17944.450	54.41	-29.59	45.95	38.05	74.00	19.59	V
17995.050	54.37	-29.59	45.95	38.01	74.00	19.63	V
14100.500	48.23	-30.20	41.70	36.73	68.20	19.97	V
14107.650	48.06	-30.20	41.70	36.56	68.20	20.14	V
5359.392	67.00	-27.82	34.20	60.62	74.00	7.00	V
5357.440	66.68	-27.82	34.20	60.30	74.00	7.32	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)
17946.650	54.88	-29.59	45.95	38.52	74.00	19.12	V
17927.950	54.77	-29.59	45.95	38.41	74.00	19.23	V
14598.250	48.83	-29.14	41.90	36.07	68.20	19.37	V
13739.150	48.39	-31.18	41.10	38.47	68.20	19.81	H
5451.670	61.07	-27.49	34.20	54.36	74.00	12.93	H
5468.980	64.09	-27.49	34.20	57.38	68.20	4.11	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)
17928.500	55.28	-29.59	45.95	38.92	74.00	18.72	H
17976.900	54.71	-29.59	45.95	38.35	74.00	19.29	H
14561.400	49.72	-29.14	41.90	36.96	68.20	18.48	H
14184.650	49.35	-30.42	41.70	38.07	68.20	18.85	H
5726.475	57.04	-27.47	34.10	50.41	68.20	11.16	H
5725.618	54.93	-27.47	34.10	48.30	68.20	13.27	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)
17967.000	55.05	-29.59	45.95	38.69	74.00	18.95	H
17998.350	54.91	-29.59	45.95	38.55	74.00	19.09	H
14585.050	48.92	-29.14	41.90	36.16	68.20	19.28	H
14522.900	48.89	-30.55	41.90	37.54	68.20	19.31	V
11876.850	45.15	-32.73	39.15	38.73	74.00	28.85	H
11728.350	44.83	-32.70	39.20	38.33	74.00	29.17	V

## A.7. AC Power line Conducted Emission (150kHz- 30MHz)

### Method of Measurement: See ANSI C63.10-2013-clause 6.2

- 1 The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.
- 2 If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.
- 3 The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.
- 4 If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.
- 5 If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.<sup>36</sup> Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

### Test Condition:

Voltage (V)	Frequency (Hz)
120	60

**Measurement Result and limit:**

## WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger (First source)		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.25	Fig.26	<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 (First source)		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.25	Fig.26	<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.

## WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger (Second source)		
		802.11a	Idle	
0.15 to 0.5	68 to 56	Fig.27	/	<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)

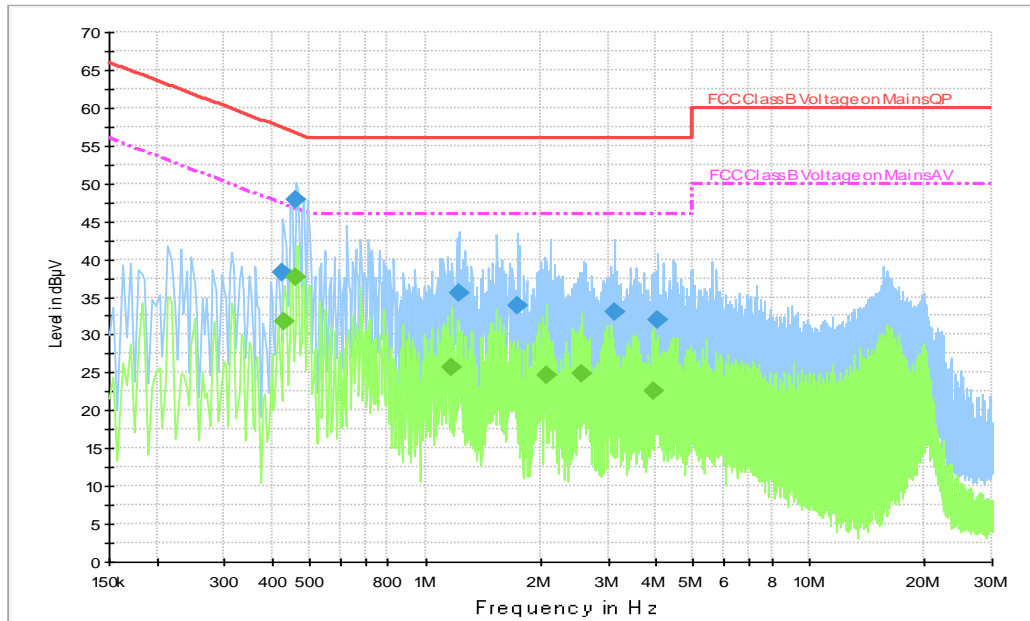
Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger (Second source)		
		802.11a	Idle	
0.15 to 0.5	69 56 to 46	Fig.27	/	<b>P</b>
0.5 to 5	46			
5 to 30	50			

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.25 Conducted Emission (802.11a, Ch36, TX) (First source)**

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

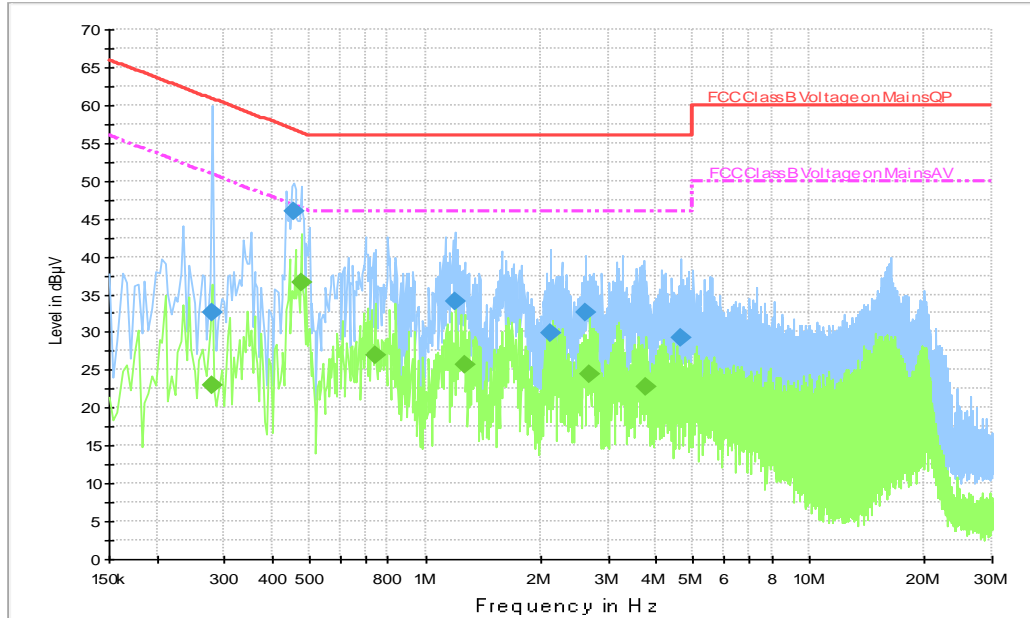
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.426000	38.2	2000.0	9.000	On	N	19.8	19.2	57.3
0.462000	47.8	2000.0	9.000	On	L1	19.8	8.8	56.7
1.222000	35.4	2000.0	9.000	On	N	19.6	20.6	56.0
1.734000	33.8	2000.0	9.000	On	N	19.6	22.2	56.0
3.102000	33.0	2000.0	9.000	On	N	19.6	23.0	56.0
4.014000	32.0	2000.0	9.000	On	N	19.6	24.0	56.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.430000	31.9	2000.0	9.000	On	L1	19.8	15.4	47.3
0.462000	37.7	2000.0	9.000	On	L1	19.8	9.0	46.7
1.174000	25.7	2000.0	9.000	On	L1	19.6	20.3	46.0
2.070000	24.7	2000.0	9.000	On	L1	19.6	21.3	46.0
2.566000	24.9	2000.0	9.000	On	L1	19.6	21.1	46.0
3.926000	22.5	2000.0	9.000	On	L1	19.6	23.5	46.0

Idle:



**Fig.26 Conducted Emission(802.11a, IDLE) (First source)**

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

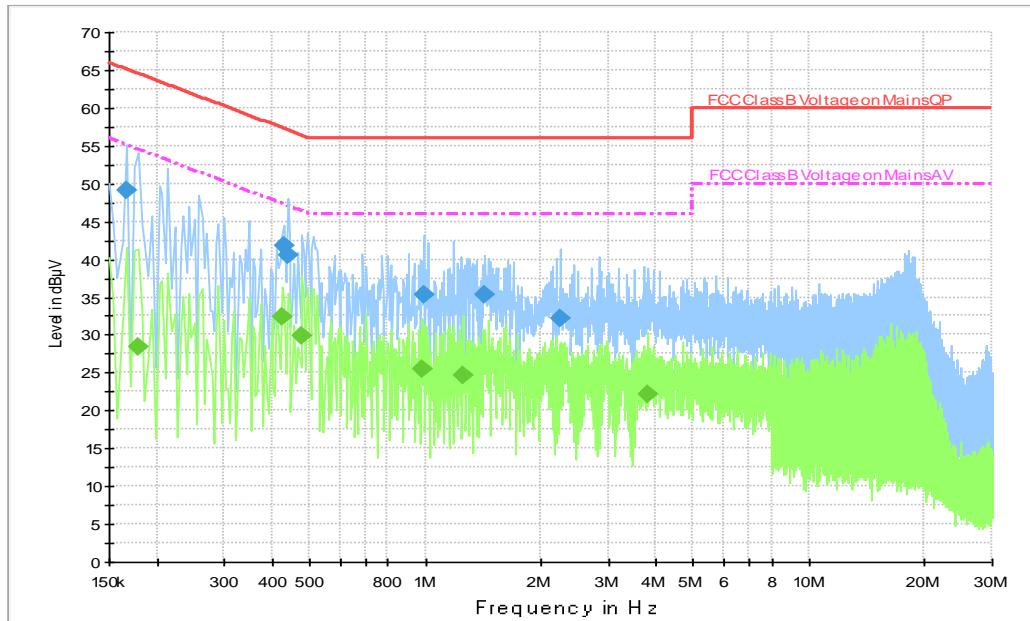
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.278000	32.6	2000.0	9.000	On	L1	19.7	28.3	60.9
0.454000	46.0	2000.0	9.000	On	L1	19.8	10.8	56.8
1.194000	34.1	2000.0	9.000	On	N	19.6	21.9	56.0
2.118000	30.0	2000.0	9.000	On	N	19.6	26.0	56.0
2.614000	32.7	2000.0	9.000	On	N	19.6	23.3	56.0
4.646000	29.2	2000.0	9.000	On	N	19.6	26.8	56.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.278000	23.1	2000.0	9.000	On	L1	19.7	27.8	50.9
0.474000	36.5	2000.0	9.000	On	L1	19.8	10.0	46.4
0.738000	27.0	2000.0	9.000	On	L1	19.7	19.0	46.0
1.266000	25.7	2000.0	9.000	On	L1	19.6	20.3	46.0
2.678000	24.5	2000.0	9.000	On	L1	19.6	21.5	46.0
3.778000	22.8	2000.0	9.000	On	L1	19.6	23.2	46.0





**Fig.27 Conducted Emission (802.11a, Ch36, TX) (Second source)**

Note: 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	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	49.1	2000.0	9.000	On	L1	19.9	16.1	65.2
0.430000	41.7	2000.0	9.000	On	L1	20.0	15.5	57.3
0.438000	40.6	2000.0	9.000	On	N	19.9	16.5	57.1
0.990000	35.2	2000.0	9.000	On	N	19.7	20.8	56.0
1.434000	35.3	2000.0	9.000	On	L1	19.9	20.7	56.0
2.250000	32.3	2000.0	9.000	On	N	19.6	23.7	56.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.178000	28.4	2000.0	9.000	On	L1	19.9	26.2	54.6
0.426000	32.4	2000.0	9.000	On	L1	20.0	14.9	47.3
0.478000	29.8	2000.0	9.000	On	N	19.9	16.6	46.4
0.978000	25.5	2000.0	9.000	On	L1	19.9	20.5	46.0
1.254000	24.6	2000.0	9.000	On	L1	19.9	21.4	46.0
3.814000	22.1	2000.0	9.000	On	L1	19.8	23.9	46.0



### **A.8. 99% Occupied bandwidth**

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

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

#### **Measurement Uncertainty:**

Measurement Uncertainty	60.80Hz
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**EUT ID: UT18a**

#### **Measurement Result:**

Mode	Frequency	99% Occupied bandwidth ( MHz)		conclusion
		Fig.	Value	
802.11a	5180 MHz	Fig.28	17.57	P
	5200 MHz	Fig.29	17.42	P
	5240 MHz	Fig.30	17.44	P
802.11n HT20	5180 MHz	Fig.31	18.60	P
	5200 MHz	Fig.32	18.49	P
	5240 MHz	Fig.33	18.46	P
802.11ac	5190 MHz	Fig.34	36.58	P

(VHT40)	5230 MHz	Fig.35	36.64	P
802.11ac (VHT80)	5210 MHz	Fig.36	75.69	P

Test graphs as below:

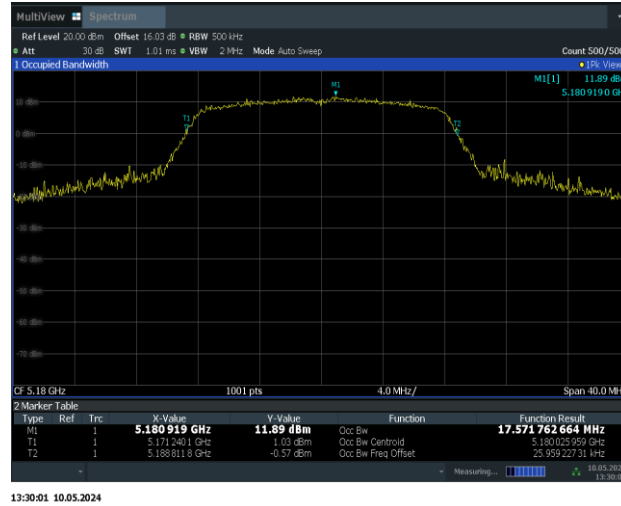
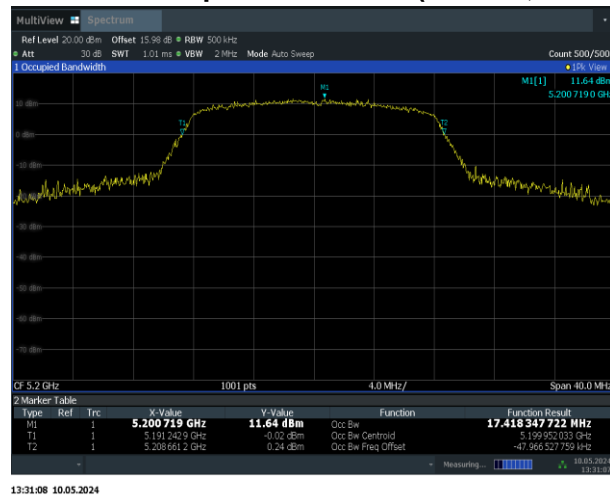
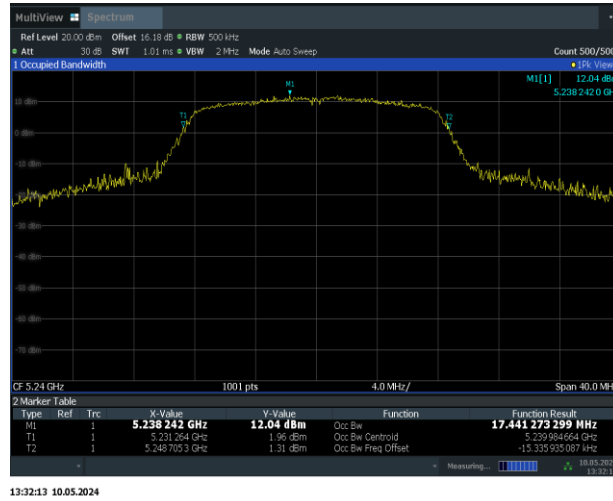


Fig.28 99% Occupied bandwidth (802.11a, 5180MHz)



**Fig.29 99% Occupied bandwidth (802.11a, 5200MHz)**



**Fig.30 99% Occupied bandwidth (802.11a, 5240MHz)**



**Fig.31 99% Occupied bandwidth (802.11n-HT20, 5180MHz)**

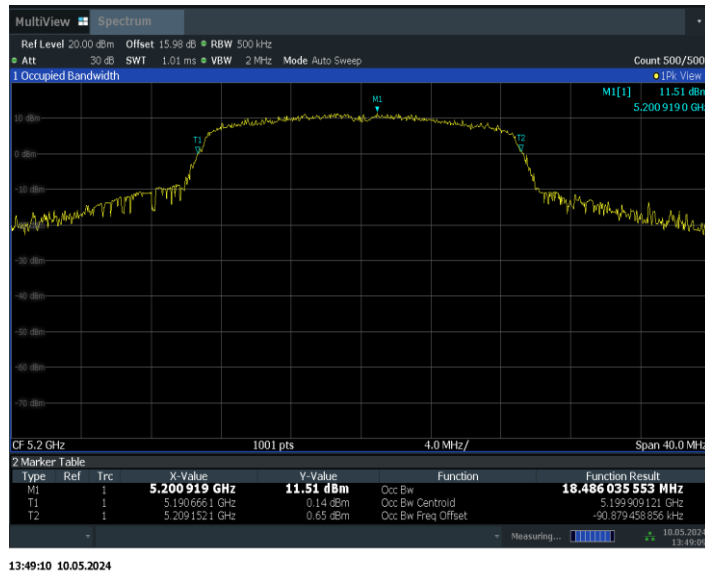


Fig.32 99% Occupied bandwidth (802.11n-HT20, 5200MHz)



Fig.33 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

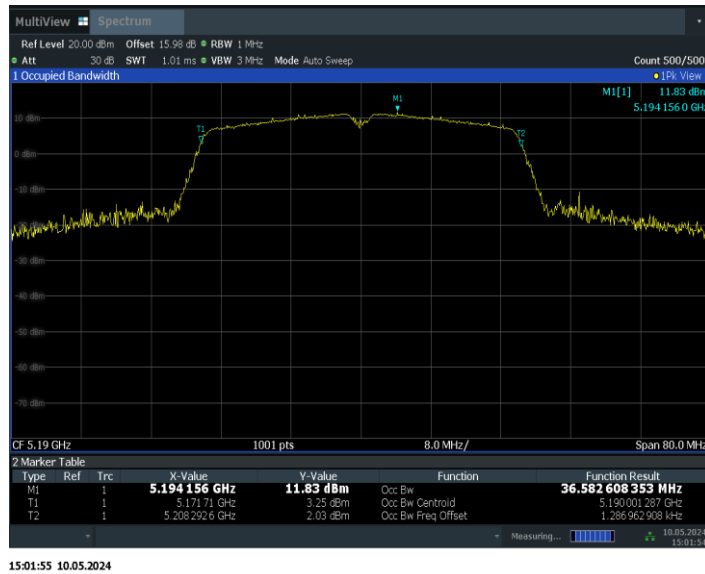
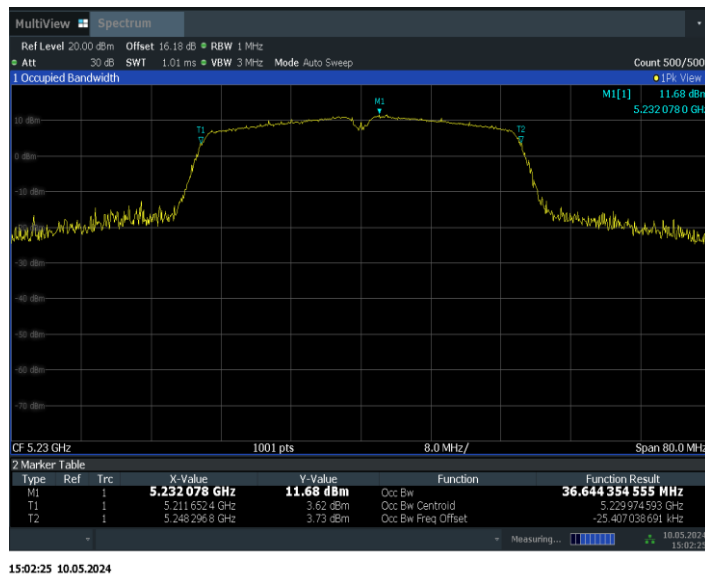


Fig.34 99% Occupied bandwidth (802.11ac-VHT40, 5190MHz)



**Fig.35 99% Occupied bandwidth (802.11ac-VHT40, 5230MHz)**



**Fig.36 99% Occupied bandwidth (802.11ac-VHT80, 5210MHz)**

**Conclusion: PASS**

### **A.9. Antenna Requirement**

The antenna of the device is permanently attached. There are no provisions for connection to an external antenna.

The unit complies with the requirement of FCC Part 15.203.

### **A.10. 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 antenna gain and 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**



## Accredited Laboratory

A2LA has accredited

### TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

### Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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 April 2017).



Presented this 26<sup>th</sup> day of June 2023.



Mr. Trace McInturf, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7049.01  
Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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