

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)
17993.4	45.79	-25.5	46.66	24.63	54	8.21	V
17992.3	45.68	-25.5	46.66	24.52	54	8.32	H
14489.4	39.03	-28.59	42.46	25.16	54	14.97	V
14478.9	38.91	-28.59	42.46	25.04	54	15.09	V
5149.7	41.94	-27.61	33.67	35.88	54	12.06	H
5149.5	41.85	-27.61	33.67	35.79	54	12.15	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)
17975.8	45.93	-25.5	46.66	24.77	54	8.07	H
17993.4	45.7	-25.5	46.66	24.54	54	8.3	V
14486.6	39.01	-28.59	42.46	25.14	54	14.99	H
14499.8	39.01	-28.59	42.46	25.14	54	14.99	V
11831.8	34.58	-31.85	39.05	27.38	54	19.42	V
11897.2	34.42	-31.85	39.05	27.22	54	19.58	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)
17996.2	46.25	-25.5	46.66	25.09	54	7.75	V
17986.2	46.06	-25.5	46.66	24.9	54	7.94	V
14485.5	39.28	-28.59	42.46	25.41	54	14.72	V
14482.2	39.18	-28.59	42.46	25.31	54	14.82	V
11986.9	34.64	-31.48	39.09	27.03	54	19.36	V
11849.4	34.54	-31.85	39.05	27.34	54	19.46	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)
17998.9	46.18	-25.5	46.66	25.02	54	7.82	V
17996.7	46.15	-25.5	46.66	24.99	54	7.85	V
14496	39.57	-28.59	42.46	25.7	54	14.43	H
14499.8	39.31	-28.59	42.46	25.44	54	14.69	H
11832.3	34.98	-31.85	39.05	27.78	54	19.02	V
11991.2	34.71	-31.48	39.09	27.1	54	19.29	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)
17992.8	46.2	-25.5	46.66	25.04	54	7.8	V
17989.5	46.14	-25.5	46.66	24.98	54	7.86	H
14486.6	39.29	-28.59	42.46	25.42	54	14.71	V
14493.2	39.25	-28.59	42.46	25.38	54	14.75	H
11857.6	34.77	-31.85	39.05	27.57	54	19.23	V
11899.4	34.7	-31.85	39.05	27.5	54	19.3	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)
17990.1	46.07	-25.5	46.66	24.91	54	7.93	H
17997.8	46.05	-25.5	46.66	24.89	54	7.95	V
14478.4	39.28	-28.59	42.46	25.41	54	14.72	V
14497.6	39.15	-28.59	42.46	25.28	54	14.85	H
5351.2	41.49	-27.43	34.01	34.91	54	12.51	H
5351.3	41.47	-27.43	34.01	34.89	54	12.53	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)
17977.5	46.56	-25.5	46.66	25.4	54	7.44	V
17994	46.37	-25.5	46.66	25.21	54	7.63	H
14485	39.55	-28.59	42.46	25.68	54	14.45	V
14487.7	39.36	-28.59	42.46	25.49	54	14.64	H
5457.1	41.28	-27.18	34.17	34.29	54	12.72	H
5458.3	41.16	-27.18	34.17	34.17	54	12.84	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.5	46.63	-25.5	46.66	25.47	54	7.37	H
17996.2	46.49	-25.5	46.66	25.33	54	7.51	V
14483.9	39.97	-28.59	42.46	26.1	54	14.03	H
14488.2	39.82	-28.59	42.46	25.95	54	14.18	H
11918.1	35.45	-31.48	39.09	27.84	54	18.55	H
11846	35.21	-31.85	39.05	28.01	54	18.79	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)
17998.3	46.63	-25.5	46.66	25.47	54	7.37	H
17996.7	46.51	-25.5	46.66	25.35	54	7.49	H
14492.6	39.63	-28.59	42.46	25.76	54	14.37	V
14499.8	39.57	-28.59	42.46	25.7	54	14.43	H
11838.4	35.26	-31.85	39.05	28.06	54	18.74	H
11858.1	35.05	-31.85	39.05	27.85	54	18.95	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)
17988.5	46.49	-25.5	46.66	25.33	54	7.51	V
17998.9	46.45	-25.5	46.66	25.29	54	7.55	V
14488.8	39.74	-28.59	42.46	25.87	54	14.26	V
14493.8	39.59	-28.59	42.46	25.72	54	14.41	H
11840	35.18	-31.85	39.05	27.98	54	18.82	V
11846.6	35.09	-31.85	39.05	27.89	54	18.91	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)
17990.1	46.33	-25.5	46.66	25.17	54	7.67	V
17987.9	46.03	-25.5	46.66	24.87	54	7.97	V
14487.1	39.22	-28.59	42.46	25.35	54	14.78	V
14485	39.15	-28.59	42.46	25.28	54	14.85	V
5148.5	42.06	-27.61	33.67	36	54	11.94	H
5149.4	42.05	-27.61	33.67	35.99	54	11.95	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)
17989.5	46.32	-25.5	46.66	25.16	54	7.68	H
17990.1	46.04	-25.5	46.66	24.88	54	7.96	H
14472.3	39.09	-28.59	42.46	25.22	54	14.91	H
14484.4	39.06	-28.59	42.46	25.19	54	14.94	V
11898.9	34.57	-31.85	39.05	27.37	54	19.43	V
11845.5	34.49	-31.85	39.05	27.29	54	19.51	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)
17998.3	46.19	-25.5	46.66	25.03	54	7.81	V
17994	46.12	-25.5	46.66	24.96	54	7.88	H
14498.7	39.35	-28.59	42.46	25.48	54	14.65	V
14483.3	39.25	-28.59	42.46	25.38	54	14.75	V
11909.9	34.54	-31.85	39.05	27.34	54	19.46	V
11848.2	34.45	-31.85	39.05	27.25	54	19.55	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)
17981.3	46.27	-25.5	46.66	25.11	54	7.73	H
17979.1	46.14	-25.5	46.66	24.98	54	7.86	V
14487.7	39.59	-28.59	42.46	25.72	54	14.41	H
14499.2	39.22	-28.59	42.46	25.35	54	14.78	V
11807	34.81	-31.85	39.05	27.61	54	19.19	V
11738.8	34.77	-31.99	38.98	27.78	54	19.23	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)
17986.2	46.45	-25.5	46.66	25.29	54	7.55	V
17997.2	46.44	-25.5	46.66	25.28	54	7.56	V
14498.1	39.48	-28.59	42.46	25.61	54	14.52	V
14476.1	39.27	-28.59	42.46	25.4	54	14.73	V
11905.5	34.75	-31.85	39.05	27.55	54	19.25	V
11925.2	34.63	-31.48	39.09	27.02	54	19.37	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)
17982.4	46.35	-25.5	46.66	25.19	54	7.65	V
17989	46.28	-25.5	46.66	25.12	54	7.72	V
14493.2	39.54	-28.59	42.46	25.67	54	14.46	H
14494.3	39.3	-28.59	42.46	25.43	54	14.7	V
5350.2	41.82	-27.43	34.01	35.24	54	12.18	H
5350	41.72	-27.43	34.01	35.14	54	12.28	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)
17995.6	46.7	-25.5	46.66	25.54	54	7.3	V
17992.3	46.28	-25.5	46.66	25.12	54	7.72	V
14498.1	39.5	-28.59	42.46	25.63	54	14.5	H
14475.6	39.38	-28.59	42.46	25.51	54	14.62	H
5456.3	41.3	-27.18	34.17	34.31	54	12.7	H
5457.4	41.09	-27.18	34.17	34.1	54	12.91	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.2	46.61	-25.5	46.66	25.45	54	7.39	V
17991.2	46.36	-25.5	46.66	25.2	54	7.64	V
14492.6	39.67	-28.59	42.46	25.8	54	14.33	V
14488.8	39.62	-28.59	42.46	25.75	54	14.38	V
11920.9	35.39	-31.48	39.09	27.78	54	18.61	V
11819.1	35.14	-31.85	39.05	27.94	54	18.86	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)
17995.6	46.45	-25.5	46.66	25.29	54	7.55	V
17996.7	46.34	-25.5	46.66	25.18	54	7.66	V
14494.9	39.55	-28.59	42.46	25.68	54	14.45	H
14488.2	39.53	-28.59	42.46	25.66	54	14.47	V
11813	35.2	-31.85	39.05	28	54	18.8	H
11820.8	35.17	-31.85	39.05	27.97	54	18.83	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)
17990.7	46.42	-25.5	46.66	25.26	54	7.58	H
17996.2	46.41	-25.5	46.66	25.25	54	7.59	H
14497	39.52	-28.59	42.46	25.65	54	14.48	V
14482.2	39.46	-28.59	42.46	25.59	54	14.54	H
11842.2	35.08	-31.85	39.05	27.88	54	18.92	V
11813.6	35.07	-31.85	39.05	27.87	54	18.93	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)
17998.3	46.24	-25.5	46.66	25.08	54	7.76	V
17991.8	46.22	-25.5	46.66	25.06	54	7.78	H
14478.4	39.05	-28.59	42.46	25.18	54	14.95	V
14487.1	39.04	-28.59	42.46	25.17	54	14.96	V
5149.4	45.03	-27.61	33.67	38.97	54	8.97	H
5149.6	44.79	-27.61	33.67	38.73	54	9.21	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)
17991.8	46.2	-25.5	46.66	25.04	54	7.8	V
17990.1	46.09	-25.5	46.66	24.93	54	7.91	V
14499.2	39.24	-28.59	42.46	25.37	54	14.76	V
14488.2	39.21	-28.59	42.46	25.34	54	14.79	V
11821.3	34.69	-31.85	39.05	27.49	54	19.31	V
11812.5	34.58	-31.85	39.05	27.38	54	19.42	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)
17994.5	46.33	-25.5	46.66	25.17	54	7.67	H
17980.2	46.11	-25.5	46.66	24.95	54	7.89	V
14485	39.49	-28.59	42.46	25.62	54	14.51	V
14494.3	39.23	-28.59	42.46	25.36	54	14.77	V
11997.9	34.83	-31.48	39.09	27.22	54	19.17	V
11820.2	34.78	-31.85	39.05	27.58	54	19.22	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)
17996.7	46.31	-25.5	46.66	25.15	54	7.69	V
17992.3	46.17	-25.5	46.66	25.01	54	7.83	H
14477.2	39.23	-28.59	42.46	25.36	54	14.77	H
14495.4	39.21	-28.59	42.46	25.34	54	14.79	H
5350.1	42.4	-27.43	34.01	35.82	54	11.6	H
5350.2	42.38	-27.43	34.01	35.8	54	11.62	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)
17998.3	46.69	-25.5	46.66	25.53	54	7.31	H
17994.5	46.45	-25.5	46.66	25.29	54	7.55	V
14499.8	39.62	-28.59	42.46	25.75	54	14.38	V
14491.5	39.45	-28.59	42.46	25.58	54	14.55	V
5457	39.79	-27.18	34.17	32.8	54	14.21	H
5459.3	39.79	-27.18	34.17	32.8	54	14.21	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)
17991.8	46.31	-25.5	46.66	25.15	54	7.69	V
17991.2	46.18	-25.5	46.66	25.02	54	7.82	V
14477.8	39.87	-28.59	42.46	26	54	14.13	V
14482.2	39.54	-28.59	42.46	25.67	54	14.46	V
11817.5	35.33	-31.85	39.05	28.13	54	18.67	H
11864.2	35.19	-31.85	39.05	27.99	54	18.81	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)
17998.3	46.54	-25.5	46.66	25.38	54	7.46	V
17998.9	46.42	-25.5	46.66	25.26	54	7.58	V
14496	39.44	-28.59	42.46	25.57	54	14.56	V
14498.1	39.37	-28.59	42.46	25.5	54	14.63	V
11821.9	35.23	-31.85	39.05	28.03	54	18.77	V
11841.1	35.17	-31.85	39.05	27.97	54	18.83	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)
17979.1	46.41	-25.5	46.66	25.25	54	7.59	V
17991.8	46.41	-25.5	46.66	25.25	54	7.59	V
14497.6	39.55	-28.59	42.46	25.68	54	14.45	H
14476.1	39.54	-28.59	42.46	25.67	54	14.46	V
11911	35.33	-31.85	39.05	28.13	54	18.67	V
11919.2	35.16	-31.48	39.09	27.55	54	18.84	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)
17985.2	46.21	-25.5	46.66	25.05	54	7.79	H
17993.4	46.2	-25.5	46.66	25.04	54	7.8	V
14499.2	39.01	-28.59	42.46	25.14	54	14.99	H
14474.5	39	-28.59	42.46	25.13	54	15	V
5149.5	40.4	-27.61	33.67	34.34	54	13.6	H
5149.5	40.37	-27.61	33.67	34.31	54	13.63	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.3	46.04	-25.5	46.66	24.88	54	7.96	V
17993.4	45.97	-25.5	46.66	24.81	54	8.03	H
14487.1	39.22	-28.59	42.46	25.35	54	14.78	V
14497.6	39.05	-28.59	42.46	25.18	54	14.95	H
11815.2	34.73	-31.85	39.05	27.53	54	19.27	V
11831.8	34.64	-31.85	39.05	27.44	54	19.36	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)
17991.2	46.1	-25.5	46.66	24.94	54	7.9	H
17975.8	46.08	-25.5	46.66	24.92	54	7.92	V
14485	39.23	-28.59	42.46	25.36	54	14.77	V
14483.9	38.97	-28.59	42.46	25.1	54	15.03	V
11846	34.61	-31.85	39.05	27.41	54	19.39	V
11843.3	34.54	-31.85	39.05	27.34	54	19.46	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995	46.32	-25.5	46.66	25.16	54	7.68	V
17980.2	46.19	-25.5	46.66	25.03	54	7.81	V
14493.8	39.4	-28.59	42.46	25.53	54	14.6	V
14489.4	39.34	-28.59	42.46	25.47	54	14.66	V
11864.2	34.98	-31.85	39.05	27.78	54	19.02	V
11836.7	34.72	-31.85	39.05	27.52	54	19.28	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)
17995	46.33	-25.5	46.66	25.17	54	7.67	V
17991.8	46.09	-25.5	46.66	24.93	54	7.91	V
14481.1	39.41	-28.59	42.46	25.54	54	14.59	V
14475.6	39.36	-28.59	42.46	25.49	54	14.64	V
11838.9	34.71	-31.85	39.05	27.51	54	19.29	V
11993.5	34.68	-31.48	39.09	27.07	54	19.32	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)
17996.7	46.49	-25.5	46.66	25.33	54	7.51	V
17992.8	46.29	-25.5	46.66	25.13	54	7.71	V
14495.4	39.23	-28.59	42.46	25.36	54	14.77	V
14499.8	39.23	-28.59	42.46	25.36	54	14.77	V
5351.6	41.35	-27.43	34.01	34.77	54	12.65	H
5350.9	41.18	-27.43	34.01	34.6	54	12.82	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)
17972.5	46.73	-25.5	46.66	25.57	54	7.27	V
17995.6	46.46	-25.5	46.66	25.3	54	7.54	V
14498.1	39.58	-28.59	42.46	25.71	54	14.42	V
14475.6	39.47	-28.59	42.46	25.6	54	14.53	V
5458.8	40.88	-27.18	34.17	33.89	54	13.12	H
5443.1	40.86	-27.18	34.17	33.87	54	13.14	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.8	46.36	-25.5	46.66	25.2	54	7.64	H
17979.7	46.29	-25.5	46.66	25.13	54	7.71	V
14474	39.68	-28.59	42.46	25.81	54	14.32	V
14482.8	39.63	-28.59	42.46	25.76	54	14.37	H
11909.9	35.41	-31.85	39.05	28.21	54	18.59	V
11821.3	35.2	-31.85	39.05	28	54	18.8	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.2	46.4	-25.5	46.66	25.24	54	7.6	V
17995	46.38	-25.5	46.66	25.22	54	7.62	V
14472.9	39.85	-28.59	42.46	25.98	54	14.15	H
14488.8	39.83	-28.59	42.46	25.96	54	14.17	H
11916.5	35.15	-31.48	39.09	27.54	54	18.85	V
11917	35.14	-31.48	39.09	27.53	54	18.86	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)
17996.7	46.49	-25.5	46.66	25.33	54	7.51	H
17992.3	46.27	-25.5	46.66	25.11	54	7.73	H
14496.5	39.79	-28.59	42.46	25.92	54	14.21	V
14496	39.71	-28.59	42.46	25.84	54	14.29	H
11931.3	35.13	-31.48	39.09	27.52	54	18.87	V
11830.6	35.11	-31.85	39.05	27.91	54	18.89	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)
17964.8	46.17	-25.5	46.66	25.01	54	7.83	H
17991.2	46.07	-25.5	46.66	24.91	54	7.93	H
14494.9	39.01	-28.59	42.46	25.14	54	14.99	V
14492.6	38.97	-28.59	42.46	25.1	54	15.03	H
5149.1	48.46	-27.61	33.67	42.4	54	5.54	H
5149.4	48.43	-27.61	33.67	42.37	54	5.57	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)
17993.4	46.18	-25.5	46.66	25.02	54	7.82	V
17991.2	46.09	-25.5	46.66	24.93	54	7.91	H
14496.5	39.22	-28.59	42.46	25.35	54	14.78	H
14498.7	39.15	-28.59	42.46	25.28	54	14.85	V
11840	34.58	-31.85	39.05	27.38	54	19.42	V
11942.3	34.53	-31.48	39.09	26.92	54	19.47	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)
17998.3	46	-25.5	46.66	24.84	54	8	V
17985.2	45.98	-25.5	46.66	24.82	54	8.02	V
14479.5	39.46	-28.59	42.46	25.59	54	14.54	V
14491	39.26	-28.59	42.46	25.39	54	14.74	V
11810.9	34.74	-31.85	39.05	27.54	54	19.26	H
11818.5	34.69	-31.85	39.05	27.49	54	19.31	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)
17980.8	46.2	-25.5	46.66	25.04	54	7.8	V
17986.2	46.2	-25.5	46.66	25.04	54	7.8	V
14498.7	39.46	-28.59	42.46	25.59	54	14.54	V
14499.2	39.34	-28.59	42.46	25.47	54	14.66	H
5350.1	45.13	-27.43	34.01	38.55	54	8.87	H
5350.4	45.02	-27.43	34.01	38.44	54	8.98	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)
17997.8	46.61	-25.5	46.66	25.45	54	7.39	H
17988.5	46.6	-25.5	46.66	25.44	54	7.4	H
14499.8	39.61	-28.59	42.46	25.74	54	14.39	V
14489.4	39.54	-28.59	42.46	25.67	54	14.46	V
5459.9	42.14	-27.18	34.17	35.15	54	11.86	H
5460	42.12	-27.18	34.17	35.13	54	11.88	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)
17997.2	46.38	-25.5	46.66	25.22	54	7.62	V
17982.4	46.33	-25.5	46.66	25.17	54	7.67	H
14476.1	39.5	-28.59	42.46	25.63	54	14.5	H
14494.9	39.42	-28.59	42.46	25.55	54	14.58	V
11849.4	35.24	-31.85	39.05	28.04	54	18.76	V
11904.9	35.17	-31.85	39.05	27.97	54	18.83	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)
17998.9	46.43	-25.5	46.66	25.27	54	7.57	V
17992.3	46.4	-25.5	46.66	25.24	54	7.6	H
14480	39.65	-28.59	42.46	25.78	54	14.35	V
14474.5	39.57	-28.59	42.46	25.7	54	14.43	H
11823	35.19	-31.85	39.05	27.99	54	18.81	V
11921.4	35.15	-31.48	39.09	27.54	54	18.85	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)
17991.2	46.44	-25.5	46.66	25.28	54	7.56	H
17998.3	46.41	-25.5	46.66	25.25	54	7.59	V
14498.1	39.54	-28.59	42.46	25.67	54	14.46	H
14478.9	39.5	-28.59	42.46	25.63	54	14.5	H
11904.9	35.21	-31.85	39.05	28.01	54	18.79	H
11830.6	35.18	-31.85	39.05	27.98	54	18.82	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)
17981.8	46.48	-25.5	46.66	25.32	54	7.52	H
17992.8	46.48	-25.5	46.66	25.32	54	7.52	H
14489.9	39.66	-28.59	42.46	25.79	54	14.34	H
14485	39.43	-28.59	42.46	25.56	54	14.57	V
5149.8	48.67	-27.61	33.67	42.61	54	5.33	H
5149.8	48.58	-27.61	33.67	42.52	54	5.42	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)
17975.8	46.64	-25.5	46.66	25.48	54	7.36	V
17997.8	46.48	-25.5	46.66	25.32	54	7.52	H
14495.4	39.62	-28.59	42.46	25.75	54	14.38	H
14481.6	39.52	-28.59	42.46	25.65	54	14.48	H
5350.2	47.66	-27.43	34.01	41.08	54	6.34	H
5350.5	47.5	-27.43	34.01	40.92	54	6.5	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)
17992.3	46.42	-25.5	46.66	25.26	54	7.58	H
17998.9	46.41	-25.5	46.66	25.25	54	7.59	V
14486.6	39.58	-28.59	42.46	25.71	54	14.42	V
14491.5	39.53	-28.59	42.46	25.66	54	14.47	H
5459.9	46.46	-27.18	34.17	39.47	54	7.54	H
5457.8	46.41	-27.18	34.17	39.42	54	7.59	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)
17989	46.67	-25.5	46.66	25.51	54	7.33	V
17997.8	46.5	-25.5	46.66	25.34	54	7.5	H
14496.5	39.59	-28.59	42.46	25.72	54	14.41	H
14482.8	39.43	-28.59	42.46	25.56	54	14.57	V
11816.4	35.27	-31.85	39.05	28.07	54	18.73	V
11909.9	35.1	-31.85	39.05	27.9	54	18.9	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)
17996.2	46.57	-25.5	46.66	25.41	54	7.43	V
17986.8	46.5	-25.5	46.66	25.34	54	7.5	H
14478.4	39.72	-28.59	42.46	25.85	54	14.28	V
14483.9	39.69	-28.59	42.46	25.82	54	14.31	H
11820.2	35.24	-31.85	39.05	28.04	54	18.76	H
11845	35.08	-31.85	39.05	27.88	54	18.92	H

PEAK Results:
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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)
17983	57.06	-25.5	46.66	35.9	74	16.94	V
17990.1	56.87	-25.5	46.66	35.71	74	17.13	V
14674.1	51.26	-27.29	41.9	36.65	68.3	17.04	V
14680.2	50.97	-27.29	41.9	36.36	68.3	17.33	H
5148.2	58.03	-27.61	33.67	51.97	74	15.97	H
5149.4	57.77	-27.61	33.67	51.71	74	16.23	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17968.7	57.49	-25.5	46.66	36.33	74	16.51	V
17991.2	57.2	-25.5	46.66	36.04	74	16.8	H
14293.5	51.04	-28.42	42.34	37.12	68.3	17.26	V
14663.7	50.85	-27.29	41.9	36.24	68.3	17.45	V
11997.3	46.46	-31.48	39.09	38.85	74	27.54	H
11980.2	46.1	-31.48	39.09	38.49	74	27.9	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)
17986.8	56.86	-25.5	46.66	35.7	74	17.14	H
17964.8	56.63	-25.5	46.66	35.47	74	17.37	H
14512.5	51.16	-28.59	42.46	37.29	68.3	17.14	V
14469	50.73	-28.59	42.46	36.86	68.3	17.57	V
11818.5	46.61	-31.85	39.05	39.41	74	27.39	V
11997.9	45.92	-31.48	39.09	38.31	74	28.08	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)
17986.8	57.56	-25.5	46.66	36.4	74	16.44	V
17981.3	57.1	-25.5	46.66	35.94	74	16.9	H
14338.6	51.34	-28.42	42.34	37.42	68.3	16.96	V
14409	51.07	-28.59	42.46	37.2	68.3	17.23	V
11960.5	46.32	-31.48	39.09	38.71	74	27.68	V
11882.4	46.14	-31.85	39.05	38.94	74	27.86	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)
17993.4	58.24	-25.5	46.66	37.08	74	15.76	H
17985.2	57.9	-25.5	46.66	36.74	74	16.1	H
14380.5	51.35	-28.42	42.34	37.43	68.3	16.95	V
14623	51.24	-27.29	41.9	36.63	68.3	17.06	H
11881.2	46.5	-31.85	39.05	39.3	74	27.5	V
11804.8	46.32	-31.85	39.05	39.12	74	27.68	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.5	57.96	-25.5	46.66	36.8	74	16.04	V
17952.2	57.62	-25.5	46.66	36.46	74	16.38	H
14411.2	51.44	-28.59	42.46	37.57	68.3	16.86	H
14438.2	51.22	-28.59	42.46	37.35	68.3	17.08	V
5350.9	55.79	-27.43	34.01	49.21	74	18.21	H
5351.9	55.32	-27.43	34.01	48.74	74	18.68	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)
17975.8	57.89	-25.5	46.66	36.73	74	16.11	V
17997.2	57.52	-25.5	46.66	36.36	74	16.48	V
14526.2	51.53	-28.59	42.46	37.66	68.3	16.77	V
14482.2	51.39	-28.59	42.46	37.52	74	22.61	H
5452.8	53.24	-27.18	34.17	46.25	74	20.76	H
5469.7	58.26	-27.18	34.17	51.27	68.3	10.04	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17930.7	57.49	-25.5	46.66	36.33	74	16.51	V
17984.6	57.33	-25.5	46.66	36.17	74	16.67	H
14700.5	51.53	-28.32	41.35	38.51	68.3	16.77	H
14441.5	51.19	-28.59	42.46	37.32	68.3	17.11	H
11730.5	46.89	-31.99	38.98	39.9	74	27.11	H
11742.1	46.73	-31.99	38.98	39.74	74	27.27	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)
17976.3	57.82	-25.5	46.66	36.66	74	16.18	V
17997.2	57.78	-25.5	46.66	36.62	74	16.22	V
14422.8	51.84	-28.59	42.46	37.97	68.3	16.46	H
14485.5	51.46	-28.59	42.46	37.59	74	22.54	V
5725.7	61.48	-27.07	34.31	54.24	68.3	6.82	H
5725.9	61.17	-27.07	34.31	53.93	68.3	7.13	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)
17996.7	58.12	-25.5	46.66	36.96	74	15.88	V
17954.3	57.73	-25.5	46.66	36.57	74	16.27	V
14391.5	51.68	-28.42	42.34	37.76	68.3	16.62	H
14296.3	51.39	-28.42	42.34	37.47	68.3	16.91	V
11863.6	46.93	-31.85	39.05	39.73	74	27.07	H
11851.5	46.78	-31.85	39.05	39.58	74	27.22	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)
17980.8	57.04	-25.5	46.66	35.88	74	16.96	H
17935.1	57	-25.5	46.66	35.84	74	17	H
14359	50.95	-28.42	42.34	37.03	68.3	17.35	H
14693.4	50.91	-28.32	41.35	37.89	68.3	17.39	V
5148.7	59.95	-27.61	33.67	53.89	74	14.05	H
5150	59.9	-27.61	33.67	53.84	74	14.1	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)
17988.5	58.1	-25.5	46.66	36.94	74	15.9	V
17986.2	57.9	-25.5	46.66	36.74	74	16.1	H
14473.4	50.93	-28.59	42.46	37.06	74	23.07	V
14377.1	50.91	-28.42	42.34	36.99	68.3	17.39	H
11997.9	46.36	-31.48	39.09	38.75	74	27.64	H
11880.7	46.25	-31.85	39.05	39.05	74	27.75	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)
17997.2	57.59	-25.5	46.66	36.43	74	16.41	H
17992.3	57.32	-25.5	46.66	36.16	74	16.68	H
14366.1	51.73	-28.42	42.34	37.81	68.3	16.57	V
14355.7	51.3	-28.42	42.34	37.38	68.3	17	H
11706.9	46.63	-31.99	38.98	39.64	74	27.37	V
11935.7	45.73	-31.48	39.09	38.12	74	28.27	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)
17998.9	57.87	-25.5	46.66	36.71	74	16.13	V
17983.5	57.5	-25.5	46.66	36.34	74	16.5	V
14395.9	51.89	-28.59	42.46	38.02	68.3	16.41	V
14394.8	51.55	-28.59	42.46	37.68	68.3	16.75	H
11653.5	46.76	-32.31	38.91	40.17	74	27.24	V
11824.6	46.75	-31.85	39.05	39.55	74	27.25	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)
17977.5	57.23	-25.5	46.66	36.07	74	16.77	H
17983	57.22	-25.5	46.66	36.06	74	16.78	H
14409.6	51.41	-28.59	42.46	37.54	68.3	16.89	V
14273.8	51.23	-28.42	42.34	37.31	68.3	17.07	V
11538.6	46.58	-32.26	38.84	40.01	74	27.42	V
11717.9	46.03	-31.99	38.98	39.04	74	27.97	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)
17989.5	58.65	-25.5	46.66	37.49	74	15.35	V
17957.7	57.39	-25.5	46.66	36.23	74	16.61	H
14283.6	51.69	-28.42	42.34	37.77	68.3	16.61	V
14386	51.19	-28.42	42.34	37.27	68.3	17.11	V
5350.3	56.74	-27.43	34.01	50.16	74	17.26	H
5350.1	56.67	-27.43	34.01	50.09	74	17.33	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)
17949.4	57.88	-25.5	46.66	36.72	74	16.12	H
17898.8	57.26	-25.5	46.66	36.1	74	16.74	H
14333.1	51.14	-28.42	42.34	37.22	68.3	17.16	V
14970	51.14	-28.59	40.79	38.94	68.3	17.16	H
5455.8	54.31	-27.18	34.17	47.32	74	19.69	H
5469.6	61.42	-27.18	34.17	54.43	68.3	6.88	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.2	57.51	-25.5	46.66	36.35	74	16.49	H
17993.4	57.16	-25.5	46.66	36	74	16.84	H
14308.4	51.32	-28.42	42.34	37.4	68.3	16.98	V
14529	51.18	-28.59	42.46	37.31	68.3	17.12	H
11859.2	46.44	-31.85	39.05	39.24	74	27.56	H
11737.7	46.4	-31.99	38.98	39.41	74	27.6	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.8	58.35	-25.5	46.66	37.19	74	15.65	V
17997.2	58.29	-25.5	46.66	37.13	74	15.71	V
14333.1	51.87	-28.42	42.34	37.95	68.3	16.43	V
14501.5	51.56	-28.59	42.46	37.69	68.3	16.74	H
5725.5	65.84	-27.07	34.31	58.6	68.3	2.46	H
5725.7	65.79	-27.07	34.31	58.55	68.3	2.51	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)
17975.8	58.35	-25.5	46.66	37.19	74	15.65	V
17997.2	58.29	-25.5	46.66	37.13	74	15.71	V
14333.1	51.87	-28.42	42.34	37.95	68.3	16.43	V
14501.5	51.56	-28.59	42.46	37.69	68.3	16.74	H
5725.5	65.84	-27.07	34.31	58.6	68.3	2.46	H
5725.7	65.79	-27.07	34.31	58.55	68.3	2.51	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)
17991.8	57.29	-25.5	46.66	36.13	74	16.71	H
17990.7	56.74	-25.5	46.66	35.58	74	17.26	V
14397.5	51.02	-28.59	42.46	37.15	68.3	17.28	H
14323.2	51.01	-28.42	42.34	37.09	68.3	17.29	V
5149.6	65.76	-27.61	33.67	59.7	74	8.24	H
5149.8	63.51	-27.61	33.67	57.45	74	10.49	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)
17962	57.15	-25.5	46.66	35.99	74	16.85	V
17987.3	57.03	-25.5	46.66	35.87	74	16.97	H
14593.9	51.15	-27.29	41.9	36.54	68.3	17.15	V
14391.5	50.83	-28.42	42.34	36.91	68.3	17.47	V
11810.3	46.9	-31.85	39.05	39.7	74	27.1	H
11942.9	46.85	-31.48	39.09	39.24	74	27.15	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)
17980.2	57.63	-25.5	46.66	36.47	74	16.37	V
17896.6	57.38	-25.5	46.66	36.22	74	16.62	V
14425.5	53.26	-28.59	42.46	39.39	68.3	15.04	V
14695.6	51.42	-28.32	41.35	38.4	68.3	16.88	V
11848.8	46.99	-31.85	39.05	39.79	74	27.01	V
11395.6	46.13	-32.42	38.79	39.76	74	27.87	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)
17975.2	57.22	-25.5	46.66	36.06	74	16.78	V
17992.8	57.12	-25.5	46.66	35.96	74	16.88	V
14411.2	51.4	-28.59	42.46	37.53	68.3	16.9	H
14353.5	51.32	-28.42	42.34	37.4	68.3	16.98	H
5350.6	61.42	-27.43	34.01	54.84	74	12.58	H
5350.7	61.3	-27.43	34.01	54.72	74	12.7	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)
17980.2	57.81	-25.5	46.66	36.65	74	16.19	V
17981.3	57.48	-25.5	46.66	36.32	74	16.52	H
14416.8	51.62	-28.59	42.46	37.75	68.3	16.68	V
14417.3	51.38	-28.59	42.46	37.51	68.3	16.92	H
5456.4	54.32	-27.18	34.17	47.33	74	19.68	H
5469.9	57.9	-27.18	34.17	50.91	68.3	10.4	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)
17988.5	57.59	-25.5	46.66	36.43	74	16.41	H
17980.8	57.46	-25.5	46.66	36.3	74	16.54	V
14403.5	51.94	-28.59	42.46	38.07	68.3	16.36	V
14372.2	51.86	-28.42	42.34	37.94	68.3	16.44	V
11890	46.84	-31.85	39.05	39.64	74	27.16	V
11720.1	46.83	-31.99	38.98	39.84	74	27.17	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)
17964.8	58.6	-25.5	46.66	37.44	74	15.4	H
17957.1	57.8	-25.5	46.66	36.64	74	16.2	V
14410.7	52.87	-28.59	42.46	39	68.3	15.43	H
14503.6	51.23	-28.59	42.46	37.36	68.3	17.07	H
5762.8	54.09	-27.07	34.33	46.83	68.3	14.21	H
5732.5	53.97	-27.07	34.31	46.73	68.3	14.33	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.7	57.64	-25.5	46.66	36.48	74	16.36	H
17975.2	57.59	-25.5	46.66	36.43	74	16.41	V
14356.2	51.13	-28.42	42.34	37.21	68.3	17.17	V
14509.1	51.03	-28.59	42.46	37.16	68.3	17.27	H
11898.3	47	-31.85	39.05	39.8	74	27	V
11823	46.59	-31.85	39.05	39.39	74	27.41	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)
17984	57.23	-25.5	46.66	36.07	74	16.77	H
17991.8	56.98	-25.5	46.66	35.82	74	17.02	H
14291.9	51.13	-28.42	42.34	37.21	68.3	17.17	V
14387	50.64	-28.42	42.34	36.72	68.3	17.66	H
5149.2	53.57	-27.61	33.67	47.51	74	20.43	H
5146.1	53.16	-27.61	33.67	47.1	74	20.84	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)
17967.5	57.41	-25.5	46.66	36.25	74	16.59	V
17971.4	57.17	-25.5	46.66	36.01	74	16.83	V
14504.2	50.92	-28.59	42.46	37.05	68.3	17.38	V
14388.7	50.77	-28.42	42.34	36.85	68.3	17.53	V
11606.8	46.37	-32.31	38.91	39.78	74	27.63	V
11847.1	46.2	-31.85	39.05	39	74	27.8	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.4	57.67	-25.5	46.66	36.51	74	16.33	H
17899.3	57.66	-25.5	46.66	36.5	74	16.34	V
14480	51.37	-28.59	42.46	37.5	74	22.63	H
14306.8	51.21	-28.42	42.34	37.29	68.3	17.09	V
11875.2	46.32	-31.85	39.05	39.12	74	27.68	V
11743.2	46.07	-31.99	38.98	39.08	74	27.93	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)
5121.200	52.59	-23.36	34.25	41.70	74.00	21.41	H
5370.400	53.48	-22.29	34.35	41.42	74.00	20.52	V
10567.000	50.84	-29.41	37.83	42.42	68.30	17.46	V
15780.200	51.33	-24.20	40.44	35.09	74.00	22.67	V
16941.800	57.11	-23.01	42.12	38.00	68.30	11.19	V
17160.150	56.09	-22.97	42.01	37.05	68.30	12.21	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.8	57.8	-25.5	46.66	36.64	74	16.2	V
17974.7	57.6	-25.5	46.66	36.44	74	16.4	V
14675.8	51.34	-27.29	41.9	36.73	68.3	16.96	H
14382.6	51.33	-28.42	42.34	37.41	68.3	16.97	V
11867.5	46.72	-31.85	39.05	39.52	74	27.28	H
11894.5	46.66	-31.85	39.05	39.46	74	27.34	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)
17998.9	57.95	-25.5	46.66	36.79	74	16.05	H
17994	57.09	-25.5	46.66	35.93	74	16.91	V
14413.5	51.28	-28.59	42.46	37.41	68.3	17.02	V
14121.4	51.07	-28.99	42	38.05	68.3	17.23	H
5350.2	54.02	-27.43	34.01	47.44	74	19.98	H
5351.6	53.87	-27.43	34.01	47.29	74	20.13	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)
17982.4	58.11	-25.5	46.66	36.95	74	15.89	H
17919.7	58.02	-25.5	46.66	36.86	74	15.98	H
14414	52.22	-28.59	42.46	38.35	68.3	16.08	V
14497.6	52.05	-28.59	42.46	38.18	74	21.95	H
5453.8	53.43	-27.18	34.17	46.44	74	20.57	H
5469.8	58.66	-27.18	34.17	51.67	68.3	9.64	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.3	58.1	-25.5	46.66	36.94	74	15.9	V
17990.7	57.36	-25.5	46.66	36.2	74	16.64	H
14350.2	51.92	-28.42	42.34	38	68.3	16.38	V
14723.6	51.85	-28.32	41.35	38.83	68.3	16.45	V
11932.4	47.07	-31.48	39.09	39.46	74	26.93	H
11838.4	46.97	-31.85	39.05	39.77	74	27.03	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)
17991.8	57.42	-25.5	46.66	36.26	74	16.58	V
17990.1	57.38	-25.5	46.66	36.22	74	16.62	V
14590.5	51.43	-27.29	41.9	36.82	68.3	16.87	H
14410.7	51.19	-28.59	42.46	37.32	68.3	17.11	H
5726.1	63.18	-27.07	34.31	55.94	68.3	5.12	H
5725.2	62.53	-27.07	34.31	55.29	68.3	5.77	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)
17969.2	57.76	-25.5	46.66	36.6	74	16.24	H
17991.2	57.49	-25.5	46.66	36.33	74	16.51	V
14403	51.74	-28.59	42.46	37.87	68.3	16.56	H
14298.5	51.7	-28.42	42.34	37.78	68.3	16.6	H
11277.9	47.58	-32.36	38.77	41.18	74	26.42	H
11985.8	46.89	-31.48	39.09	39.28	74	27.11	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)
17873.5	57.76	-25.5	46.66	36.6	74	16.24	V
17994.5	57.19	-25.5	46.66	36.03	74	16.81	V
14401.9	50.88	-28.59	42.46	37.01	68.3	17.42	V
14509.7	50.83	-28.59	42.46	36.96	68.3	17.47	V
5148.7	67.38	-27.61	33.67	61.32	74	6.62	H
5149.2	64.89	-27.61	33.67	58.83	74	9.11	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)
17992.3	57.7	-25.5	46.66	36.54	74	16.3	V
17979.7	57.45	-25.5	46.66	36.29	74	16.55	H
14291.4	51.7	-28.42	42.34	37.78	68.3	16.6	V
14345.8	51.65	-28.42	42.34	37.73	68.3	16.65	H
11911	46.02	-31.85	39.05	38.82	74	27.98	V
12000	45.97	-31.48	39.09	38.36	74	28.03	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)
17956.5	57.69	-25.5	46.66	36.53	74	16.31	V
17975.8	57.19	-25.5	46.66	36.03	74	16.81	V
14507	51.33	-28.59	42.46	37.46	68.3	16.97	V
14994.8	51.26	-27.85	40.21	38.9	68.3	17.04	V
11996.8	46.96	-31.48	39.09	39.35	74	27.04	V
11922	46.41	-31.48	39.09	38.8	74	27.59	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)
17964.2	57.31	-25.5	46.66	36.15	74	16.69	V
17989.5	57.3	-25.5	46.66	36.14	74	16.7	H
14585.6	51.9	-27.29	41.9	37.29	68.3	16.4	V
14565.2	51.15	-27.29	41.9	36.54	68.3	17.15	V
5353	64.81	-27.43	34.01	58.23	74	9.19	H
5351.6	63.17	-27.43	34.01	56.59	74	10.83	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)
17986.8	57.9	-25.5	46.66	36.74	74	16.1	H
17995	57.65	-25.5	46.66	36.49	74	16.35	V
14804	51.77	-28.32	41.35	38.75	68.3	16.53	H
14322.7	51.25	-28.42	42.34	37.33	68.3	17.05	H
5458	56.41	-27.18	34.17	49.42	74	17.59	H
5468.8	61.29	-27.18	34.17	54.3	68.3	7.01	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)
17983.5	58.01	-25.5	46.66	36.85	74	15.99	V
17993.4	57.67	-25.5	46.66	36.51	74	16.33	V
14503.6	53.03	-28.59	42.46	39.16	68.3	15.27	H
14421.1	51.47	-28.59	42.46	37.6	68.3	16.83	H
11959.9	47.12	-31.48	39.09	39.51	74	26.88	H
11868.6	46.99	-31.85	39.05	39.79	74	27.01	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)
17932.3	57.51	-25.5	46.66	36.35	74	16.49	H
17978.5	57.38	-25.5	46.66	36.22	74	16.62	H
14342.5	50.96	-28.42	42.34	37.04	68.3	17.34	H
14357.4	50.95	-28.42	42.34	37.03	68.3	17.35	V
5729.4	56.52	-27.07	34.31	49.28	68.3	11.78	H
5727.5	56.38	-27.07	34.31	49.14	68.3	11.92	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)
17979.1	58.03	-25.5	46.66	36.87	74	15.97	H
17983	57.73	-25.5	46.66	36.57	74	16.27	V
14416.8	51.54	-28.59	42.46	37.67	68.3	16.76	H
14377.7	51.33	-28.42	42.34	37.41	68.3	16.97	H
11991.8	46.7	-31.48	39.09	39.09	74	27.3	H
11806.5	46.68	-31.85	39.05	39.48	74	27.32	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)
17963.7	57.85	-25.5	46.66	36.69	74	16.15	H
17995.6	57.85	-25.5	46.66	36.69	74	16.15	H
14689	51.53	-28.32	41.35	38.51	68.3	16.77	H
14374.4	51.43	-28.42	42.34	37.51	68.3	16.87	V
5145.9	65.89	-27.61	33.67	59.83	74	8.11	H
5148	65.66	-27.61	33.67	59.6	74	8.34	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)
17997.8	59.44	-25.5	46.66	38.28	74	14.56	H
17962.6	57.9	-25.5	46.66	36.74	74	16.1	V
14699.5	51.44	-28.32	41.35	38.42	68.3	16.86	H
14534.5	51.41	-28.59	42.46	37.54	68.3	16.89	H
5353.4	64.76	-27.43	34.01	58.18	74	9.24	H
5350.3	64.66	-27.43	34.01	58.08	74	9.34	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.5	57.5	-25.5	46.66	36.34	74	16.5	H
17979.1	57.45	-25.5	46.66	36.29	74	16.55	V
14507.5	51.95	-28.59	42.46	38.08	68.3	16.35	H
14493.2	51.59	-28.59	42.46	37.72	74	22.41	H
5456.6	62.19	-27.18	34.17	55.2	74	11.81	H
5463.8	63.71	-27.18	34.17	56.72	68.3	4.59	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)
17987.3	57.84	-25.5	46.66	36.68	74	16.16	H
17983	57.33	-25.5	46.66	36.17	74	16.67	V
14386	52.04	-28.42	42.34	38.12	68.3	16.26	H
14288	51.28	-28.42	42.34	37.36	68.3	17.02	V
5727.3	54.47	-27.07	34.31	47.23	68.3	13.83	H
5731.6	53.98	-27.07	34.31	46.74	68.3	14.32	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)
17991.8	57.13	-25.5	46.66	35.97	74	16.87	H
17987.9	57.08	-25.5	46.66	35.92	74	16.92	V
14470.6	51.4	-28.59	42.46	37.53	74	22.6	V
14372.2	51.33	-28.42	42.34	37.41	68.3	16.97	V
11638.1	47.26	-32.31	38.91	40.67	74	26.74	V
11704.1	46.59	-31.99	38.98	39.6	74	27.41	H

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

Method of Measurement:

See Clause 6.2 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

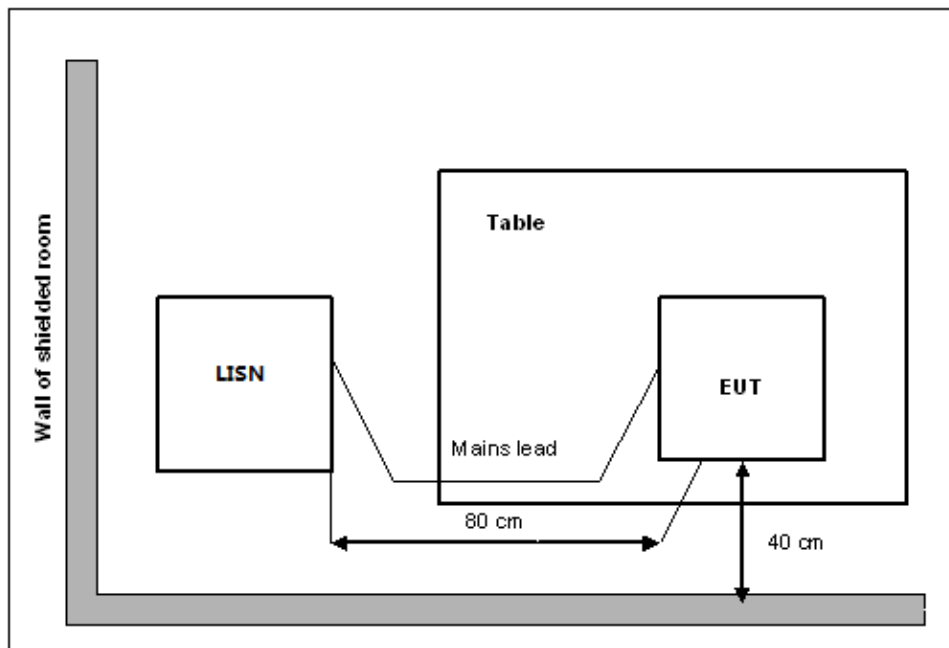
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/IF bandwidth
0.15-30	9kHz

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.56	Fig.57	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.56	Fig.57	P
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Conclusion: PASS
Test graphs as below:

Traffic:

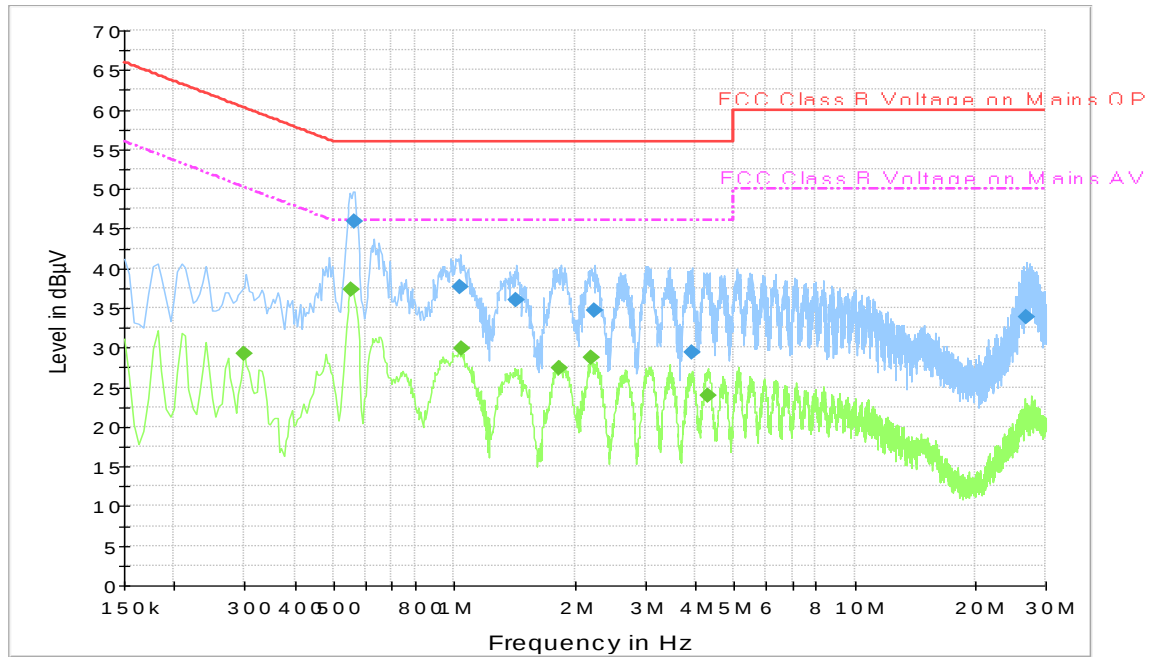


Fig.56 AC Powerline Conducted Emission-Traffic

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)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.564000	45.9	1000.	9.000	L1	19.8	10.1	56.0
1.036500	37.7	1000.	9.000	L1	19.6	18.3	56.0
1.432500	35.9	1000.	9.000	L1	19.5	20.1	56.0
2.251500	34.6	1000.	9.000	L1	19.5	21.4	56.0
3.912000	29.5	1000.	9.000	L1	19.5	26.5	56.0
26.844000	33.8	1000.	9.000	L1	20.2	26.2	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.298500	29.2	1000.0	9.000	N	19.9	21.0	50.3
0.555000	37.3	1000.0	9.000	N	19.9	8.7	46.0
1.041000	29.9	1000.0	9.000	N	19.8	16.1	46.0
1.837500	27.3	1000.0	9.000	L1	19.5	18.7	46.0
2.202000	28.8	1000.0	9.000	L1	19.5	17.2	46.0
4.290000	23.9	1000.0	9.000	N	19.7	22.1	46.0

Idle

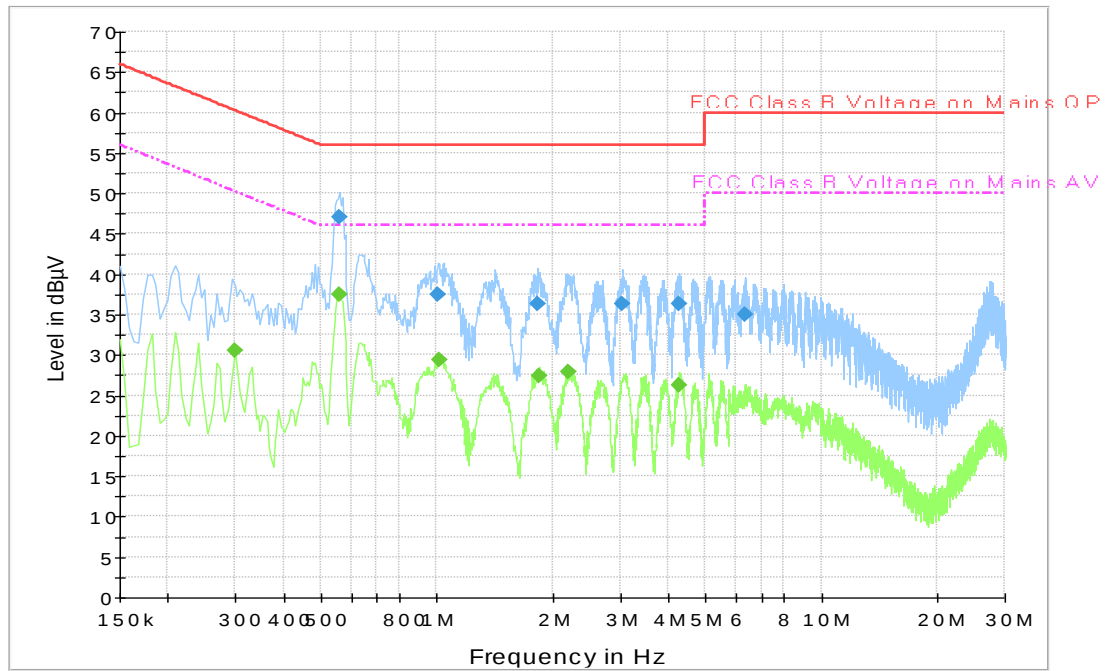


Fig.57 AC Powerline Conducted Emission-Idle

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)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.559500	47.1	1000.	9.000	L1	19.9	8.9	56.0
1.009500	37.5	1000.	9.000	L1	19.6	18.5	56.0
1.833000	36.4	1000.	9.000	L1	19.5	19.6	56.0
3.030000	36.3	1000.	9.000	L1	19.5	19.7	56.0
4.254000	36.3	1000.	9.000	L1	19.6	19.7	56.0
6.328500	35.1	1000.	9.000	L1	19.6	24.9	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.298500	30.5	1000.0	9.000	N	19.9	19.8	50.3
0.559500	37.5	1000.0	9.000	N	19.9	8.5	46.0
1.018500	29.4	1000.0	9.000	N	19.8	16.6	46.0
1.842000	27.5	1000.0	9.000	L1	19.5	18.5	46.0
2.202000	27.9	1000.0	9.000	L1	19.5	18.1	46.0
4.254000	26.3	1000.0	9.000	L1	19.6	19.7	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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Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.58	17.64	P
	5200 MHz	Fig.59	17.76	P
	5240 MHz	Fig.60	17.72	P
802.11n HT20	5180 MHz	Fig.61	18.32	P
	5200 MHz	Fig.62	18.48	P
	5240 MHz	Fig.63	18.40	P
802.11ac HT40	5190 MHz	Fig.64	36.32	P
	5230 MHz	Fig.65	36.32	P
802.11ac HT80	5210 MHz	Fig.66	75.52	P

Conclusion: PASS

Test graphs as below:

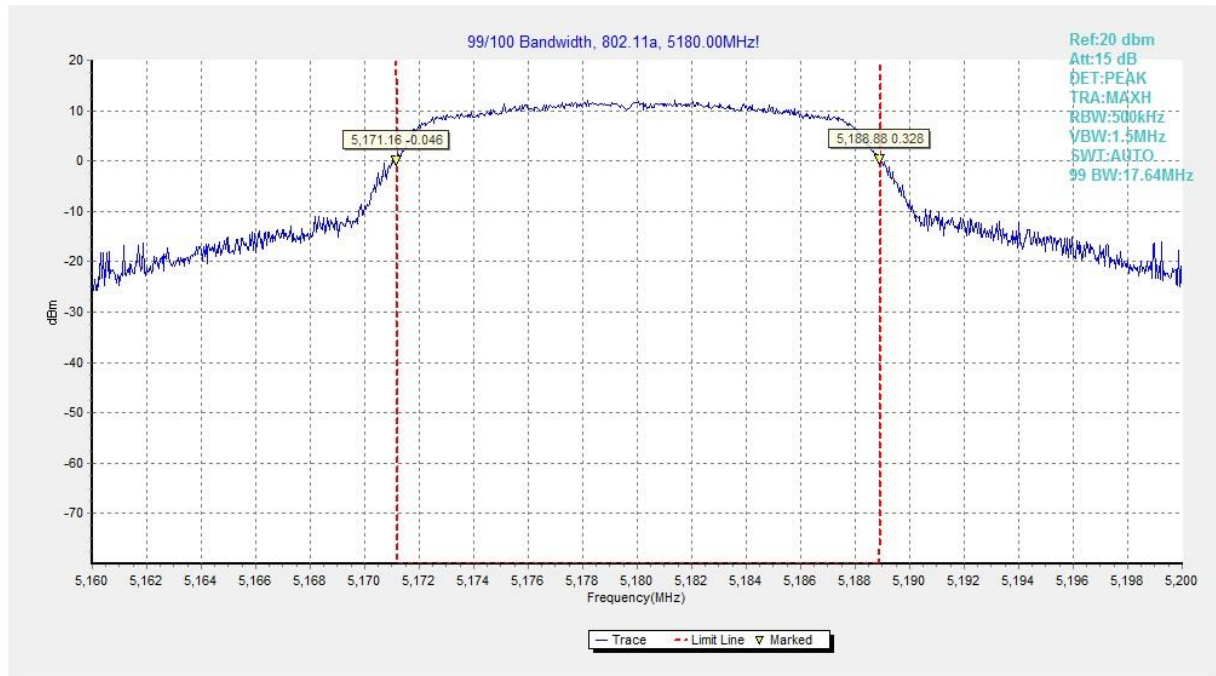


Fig.58 99% Occupied bandwidth (802.11a, 5180MHz)

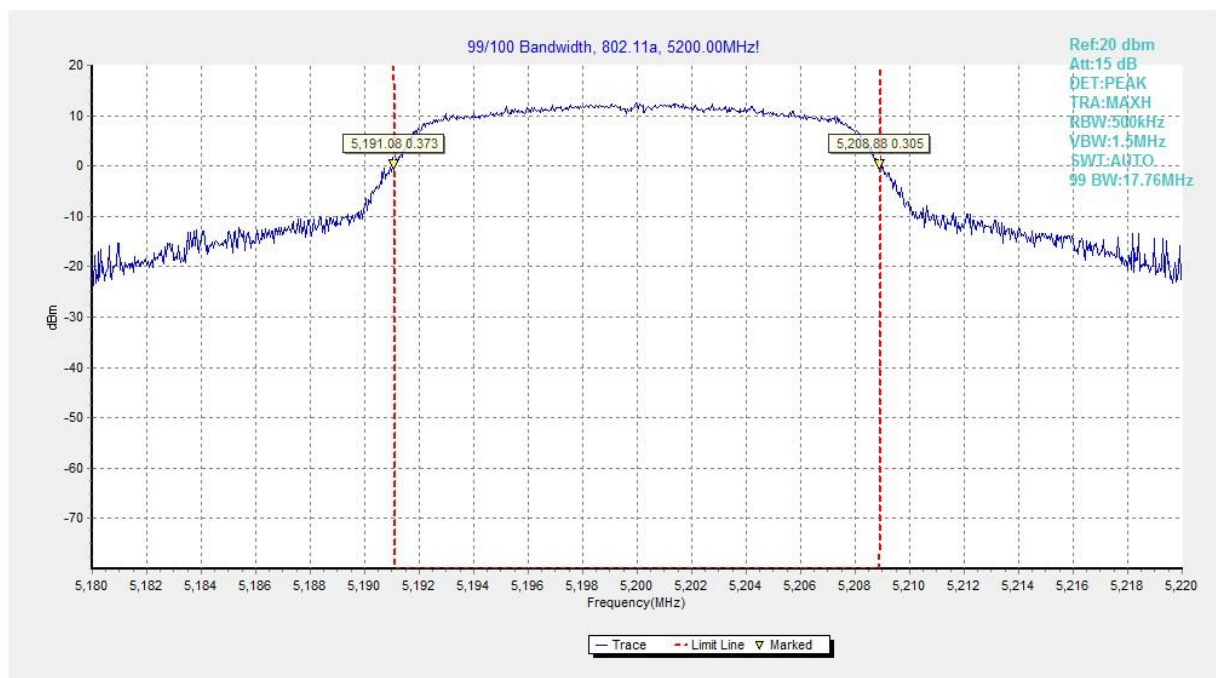


Fig.59 99% Occupied bandwidth (802.11a, 5200MHz)

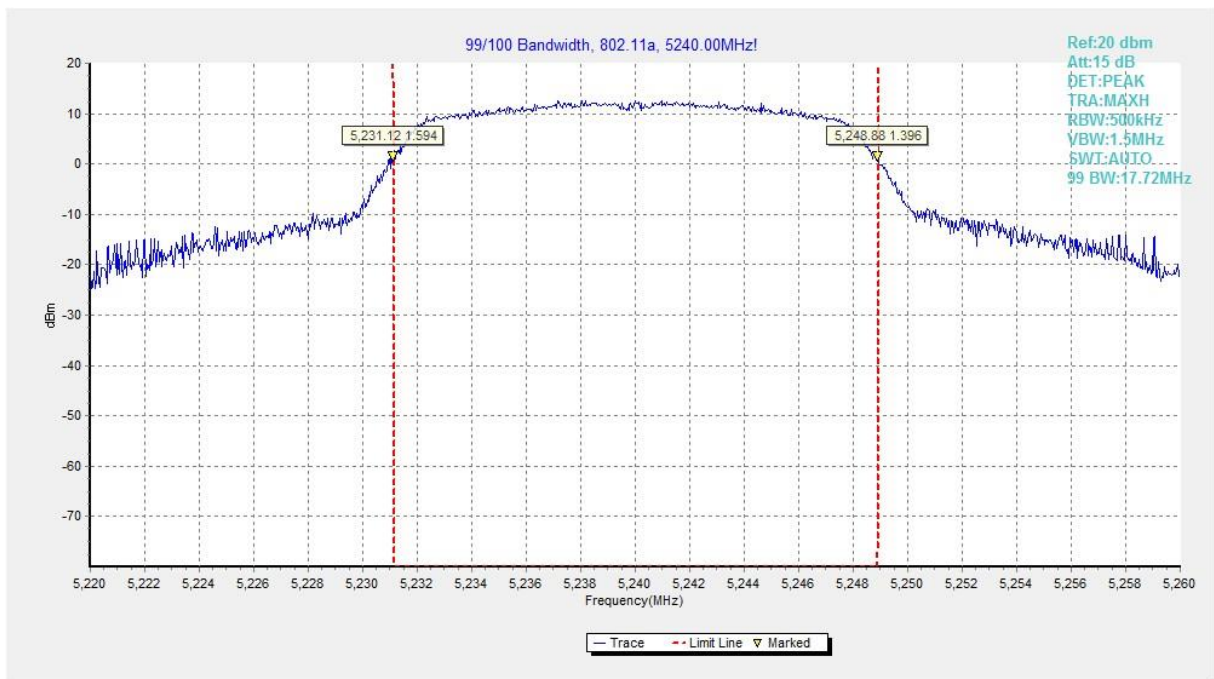


Fig.60 99% Occupied bandwidth (802.11a, 5240MHz)

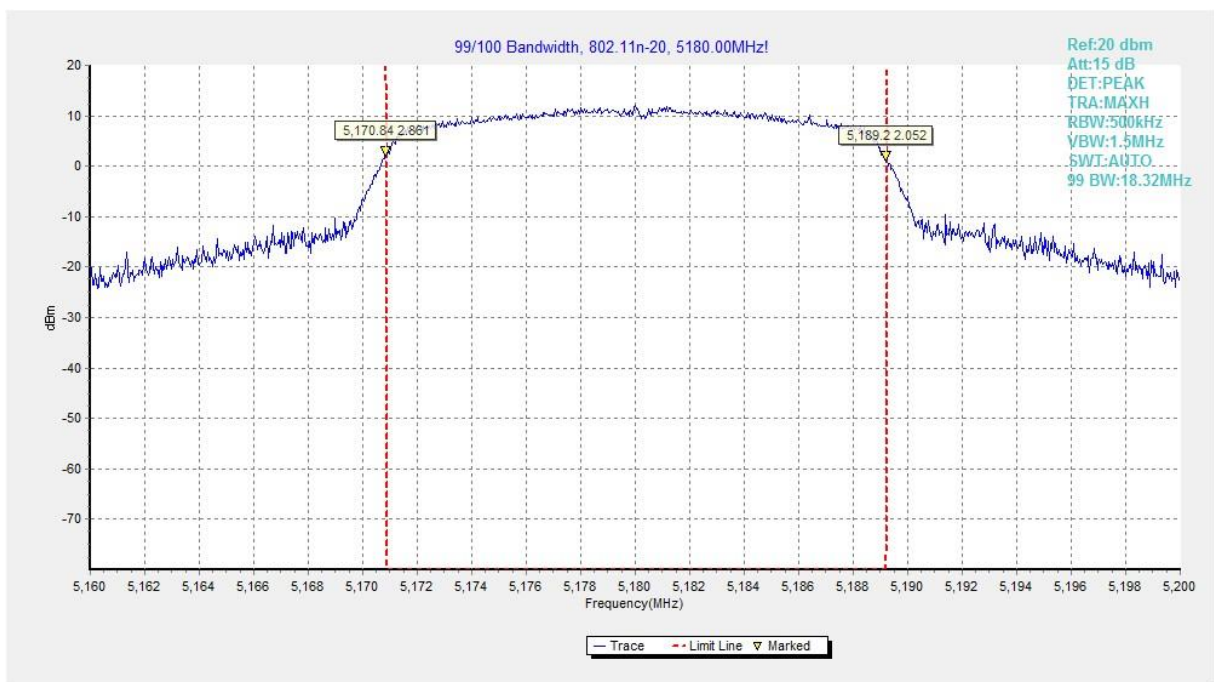


Fig.61 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

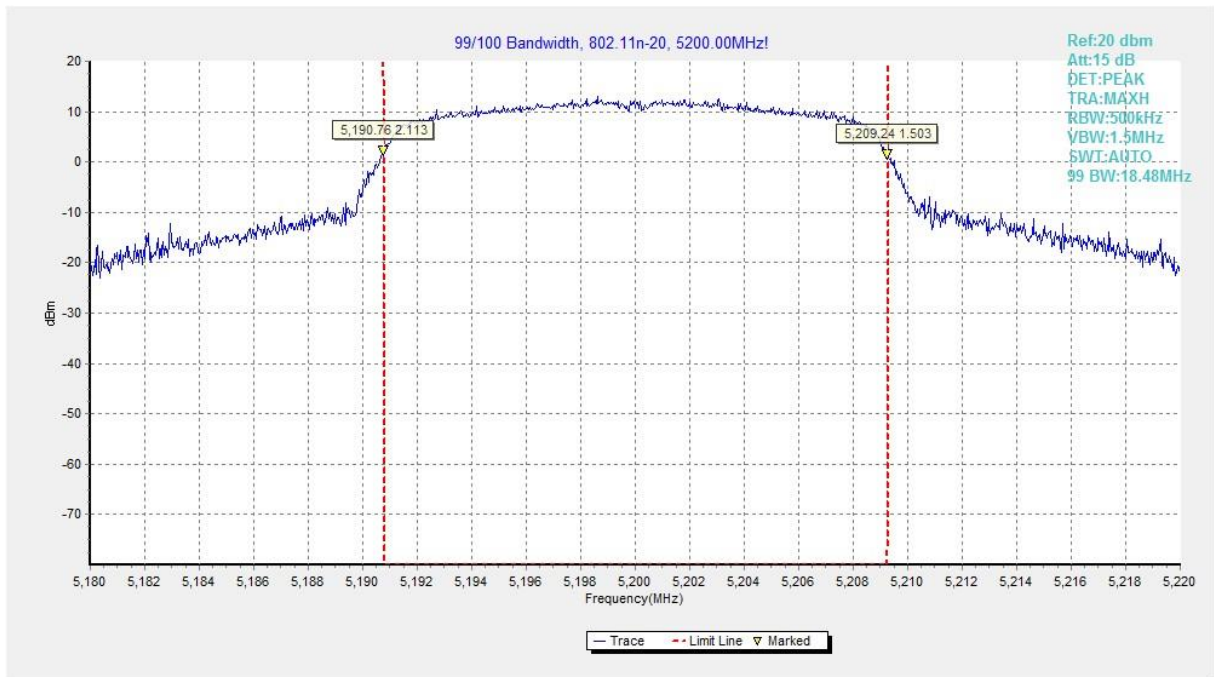


Fig.62 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

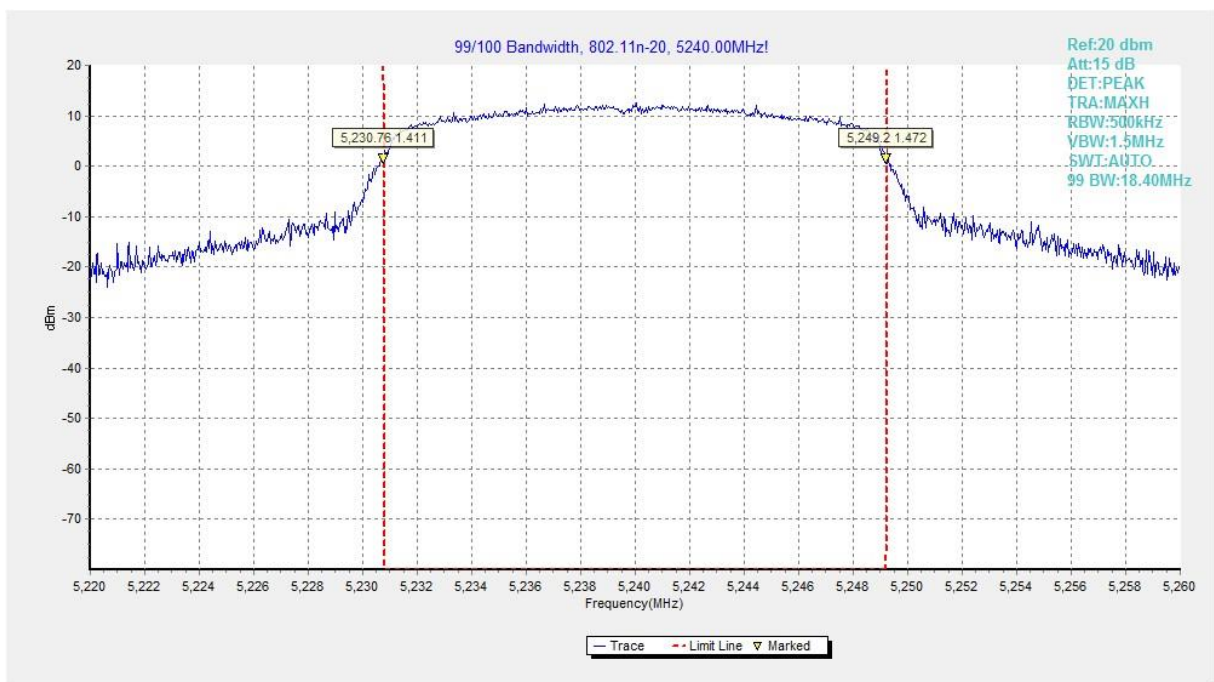


Fig.63 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

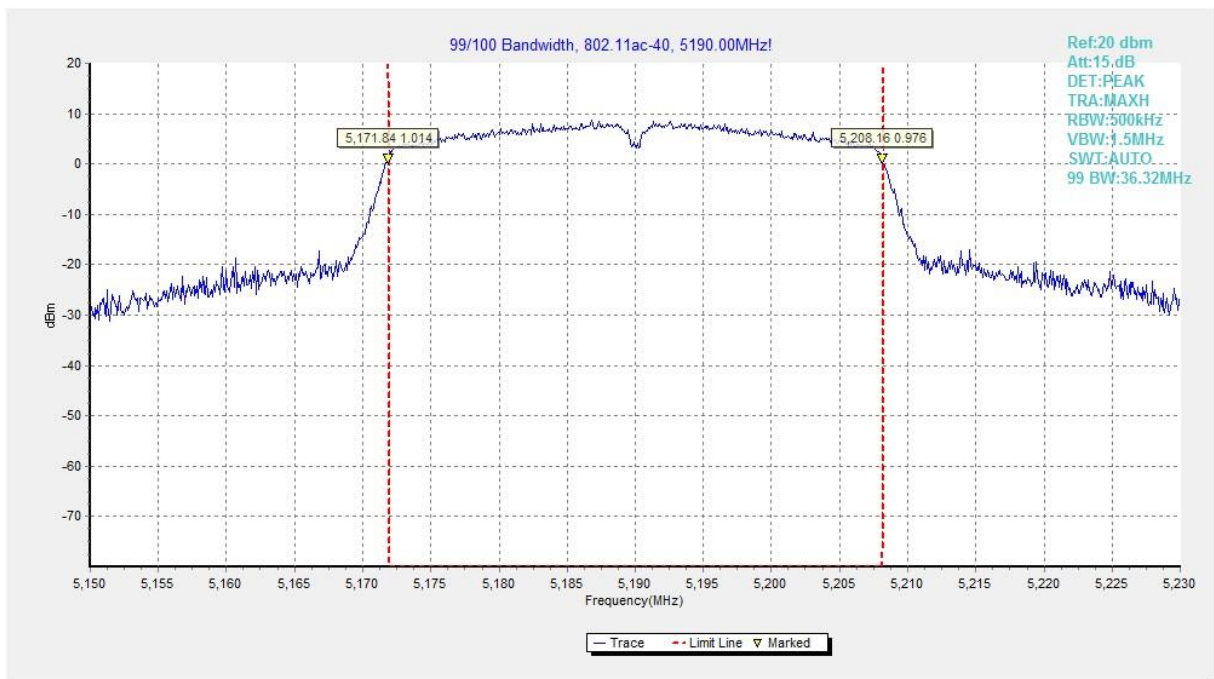


Fig.64 99% Occupied bandwidth (802.11ac-HT40, 5190MHz)

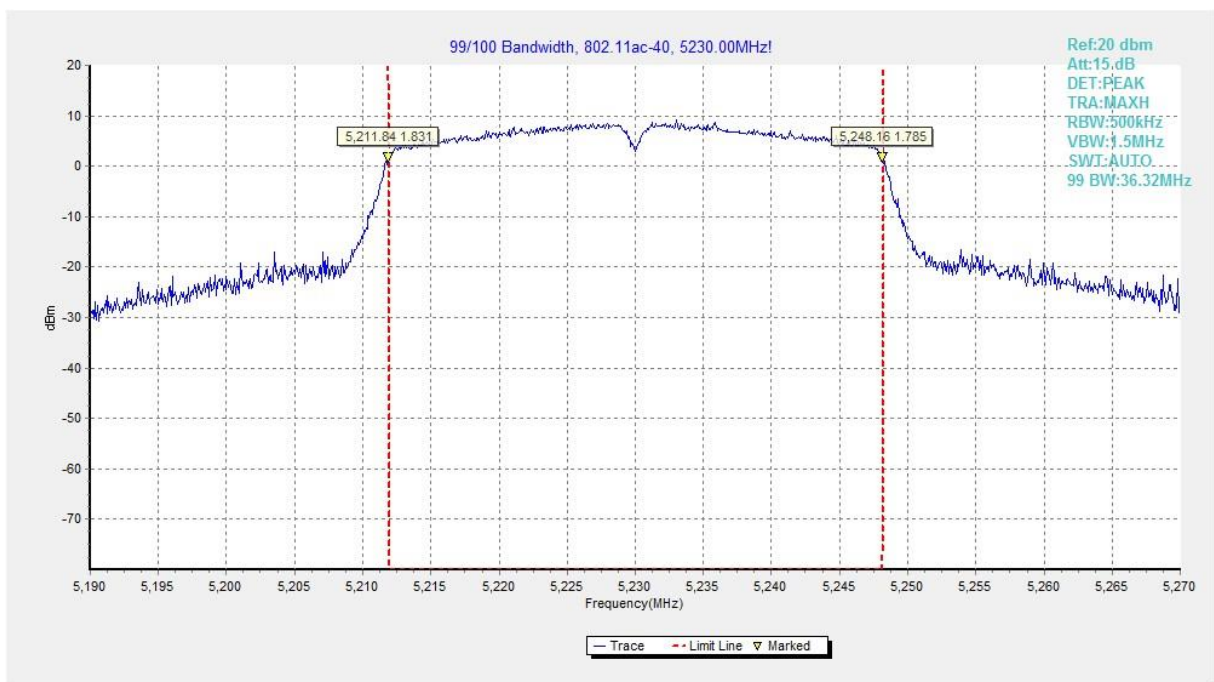


Fig.65 99% Occupied bandwidth (802.11ac-HT40, 5230MHz)

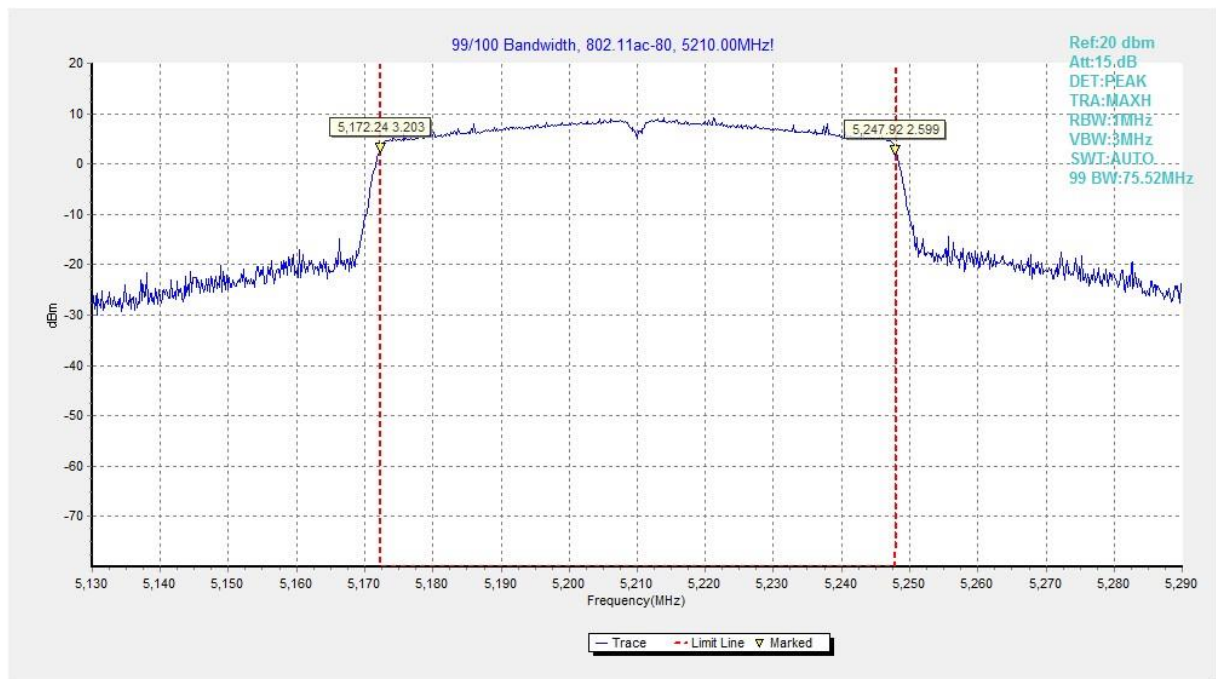


Fig.66 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

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

ANNEX C: Accreditation Certificate

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

*** END OF REPORT BODY ***