

## 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)
17710.700	41.66	-25.74	45.95	21.45	54.00	12.34	V
17959.800	41.63	-25.50	46.66	20.47	54.00	12.37	V
14494.900	38.00	-28.59	42.46	24.13	54.00	16.00	V
13343.100	37.78	-29.49	39.71	27.56	54.00	16.22	H
5459.700	43.33	-27.18	34.17	36.34	54.00	10.67	H
5459.600	43.19	-27.18	34.17	36.20	54.00	10.81	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)
17972.500	41.71	-25.50	46.66	20.55	54.00	12.29	V
17777.200	41.64	-25.50	46.66	20.48	54.00	12.36	H
13361.300	37.81	-29.49	39.71	27.59	54.00	16.19	V
13330.500	37.80	-29.49	39.71	27.58	54.00	16.20	H
11200.400	36.96	-32.60	38.75	30.82	54.00	17.04	V
11199.200	36.90	-32.60	38.75	30.76	54.00	17.10	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)
17744.800	41.87	-25.50	46.66	20.71	54.00	12.13	V
17991.200	41.76	-25.50	46.66	20.60	54.00	12.24	H
13327.200	37.79	-29.49	39.71	27.57	54.00	16.21	H
13338.200	37.65	-29.49	39.71	27.43	54.00	16.35	V
11919.200	36.26	-31.48	39.09	28.65	54.00	17.74	V
10950.100	36.10	-32.82	38.70	30.22	54.00	17.90	V

**802.11n-HT40**

## Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.200	42.21	-25.50	46.66	21.05	54.00	11.79	V
17833.300	42.19	-25.50	46.66	21.03	54.00	11.81	V
13350.900	38.60	-29.49	39.71	28.38	54.00	15.40	H
13340.400	38.45	-29.49	39.71	28.23	54.00	15.55	H
5147.800	50.10	-27.61	33.67	44.04	54.00	3.90	H
5147.900	50.00	-27.61	33.67	43.94	54.00	4.00	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)
17914.200	41.79	-25.50	46.66	20.63	54.00	12.21	H
17995.600	41.79	-25.50	46.66	20.63	54.00	12.21	H
13337.100	38.05	-29.49	39.71	27.83	54.00	15.95	V
14496.500	37.98	-28.59	42.46	24.11	54.00	16.02	H
8367.900	37.38	-34.50	37.68	34.20	54.00	16.62	V
11999.500	36.35	-31.48	39.09	28.74	54.00	17.65	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)
17974.200	41.98	-25.50	46.66	20.82	54.00	12.02	V
17765.700	41.88	-25.50	46.66	20.72	54.00	12.12	H
14495.400	38.10	-28.59	42.46	24.23	54.00	15.90	V
14489.900	37.56	-28.59	42.46	23.69	54.00	16.44	V
11941.800	36.24	-31.48	39.09	28.63	54.00	17.76	V
11967.000	36.20	-31.48	39.09	28.59	54.00	17.80	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)
17765.200	41.73	-25.50	46.66	20.57	54.00	12.27	V
17961.500	41.68	-25.50	46.66	20.52	54.00	12.32	V
14496.000	37.94	-28.59	42.46	24.07	54.00	16.06	V
13337.100	37.66	-29.49	39.71	27.44	54.00	16.34	V
5350.000	49.03	-27.43	34.01	42.45	54.00	4.97	H
5351.400	48.15	-27.43	34.01	41.57	54.00	5.85	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)
17726.100	41.64	-25.74	45.95	21.43	54.00	12.36	H
17801.500	41.62	-25.50	46.66	20.46	54.00	12.38	V
13341.000	37.95	-29.49	39.71	27.73	54.00	16.05	H
14496.500	37.91	-28.59	42.46	24.04	54.00	16.09	H
5459.000	44.09	-27.18	34.17	37.10	54.00	9.91	H
5459.700	43.93	-27.18	34.17	36.94	54.00	10.07	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)
17958.800	41.74	-25.50	46.66	20.58	54.00	12.26	V
17782.800	41.54	-25.50	46.66	20.38	54.00	12.46	V
14481.100	37.91	-28.59	42.46	24.04	54.00	16.09	V
14485.000	37.86	-28.59	42.46	23.99	54.00	16.14	H
11926.400	36.31	-31.48	39.09	28.70	54.00	17.69	H
11923.000	36.30	-31.48	39.09	28.69	54.00	17.70	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)
17801.500	41.67	-25.50	46.66	20.51	54.00	12.33	V
17744.200	41.66	-25.50	46.66	20.50	54.00	12.34	H
14484.400	38.06	-28.59	42.46	24.19	54.00	15.94	V
13354.100	37.87	-29.49	39.71	27.65	54.00	16.13	V
11948.400	36.49	-31.48	39.09	28.88	54.00	17.51	V
11868.000	36.39	-31.85	39.05	29.19	54.00	17.61	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)
17726.700	41.75	-25.74	45.95	21.54	54.00	12.25	V
17738.200	41.61	-25.50	46.66	20.45	54.00	12.39	V
13349.200	37.92	-29.49	39.71	27.70	54.00	16.08	H
13341.000	37.80	-29.49	39.71	27.58	54.00	16.20	H
5149.800	43.97	-27.61	33.67	37.91	54.00	10.03	H
5149.700	43.67	-27.61	33.67	37.61	54.00	10.33	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)
17758.000	41.64	-25.50	46.66	20.48	54.00	12.36	V
17710.700	41.56	-25.74	45.95	21.35	54.00	12.44	V
14496.500	37.75	-28.59	42.46	23.88	54.00	16.25	V
13332.700	37.69	-29.49	39.71	27.47	54.00	16.31	H
11533.600	36.51	-32.26	38.84	29.94	54.00	17.49	H
11941.800	36.11	-31.48	39.09	28.50	54.00	17.89	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)
17930.700	41.74	-25.50	46.66	20.58	54.00	12.26	H
17772.800	41.56	-25.50	46.66	20.40	54.00	12.44	H
14487.700	37.74	-28.59	42.46	23.87	54.00	16.26	H
13343.100	37.59	-29.49	39.71	27.37	54.00	16.41	V
8383.800	37.48	-34.50	37.68	34.30	54.00	16.52	V
11946.700	36.26	-31.48	39.09	28.65	54.00	17.74	V

## Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17803.700	41.62	-25.50	46.66	20.46	54.00	12.38	V
17983.500	41.60	-25.50	46.66	20.44	54.00	12.40	H
13348.600	37.83	-29.49	39.71	27.61	54.00	16.17	H
13333.200	37.74	-29.49	39.71	27.52	54.00	16.26	H
11909.300	36.15	-31.85	39.05	28.95	54.00	17.85	H
11926.900	36.15	-31.48	39.09	28.54	54.00	17.85	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)
17925.800	41.66	-25.50	46.66	20.50	54.00	12.34	V
17975.800	41.60	-25.50	46.66	20.44	54.00	12.40	V
14487.100	37.70	-28.59	42.46	23.83	54.00	16.30	V
13350.300	37.68	-29.49	39.71	27.46	54.00	16.32	H
11053.500	36.33	-32.49	38.72	30.09	54.00	17.67	H
11926.900	36.23	-31.48	39.09	28.62	54.00	17.77	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)
17997.200	41.64	-25.50	46.66	20.48	54.00	12.36	H
17725.000	41.61	-25.74	45.95	21.40	54.00	12.39	H
14497.600	37.77	-28.59	42.46	23.90	54.00	16.23	H
14486.600	37.74	-28.59	42.46	23.87	54.00	16.26	V
5350.900	43.92	-27.43	34.01	37.34	54.00	10.08	H
5350.100	43.74	-27.43	34.01	37.16	54.00	10.26	H

## Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17800.900	41.75	-25.50	46.66	20.59	54.00	12.25	V
17912.000	41.69	-25.50	46.66	20.53	54.00	12.31	V
13340.400	37.93	-29.49	39.71	27.71	54.00	16.07	H
14481.600	37.88	-28.59	42.46	24.01	54.00	16.12	H
5459.700	42.20	-27.18	34.17	35.21	54.00	11.80	H
5459.900	42.12	-27.18	34.17	35.13	54.00	11.88	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)
17755.800	41.63	-25.50	46.66	20.47	54.00	12.37	H
17772.300	41.50	-25.50	46.66	20.34	54.00	12.50	V
14496.000	38.02	-28.59	42.46	24.15	54.00	15.98	H
14487.700	38.00	-28.59	42.46	24.13	54.00	16.00	V
11199.200	36.29	-32.60	38.75	30.15	54.00	17.71	V
11854.900	36.05	-31.85	39.05	28.85	54.00	17.95	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)
17706.300	41.74	-25.74	45.95	21.53	54.00	12.26	H
17765.200	41.72	-25.50	46.66	20.56	54.00	12.28	H
13356.400	37.79	-29.49	39.71	27.57	54.00	16.21	H
14483.900	37.69	-28.59	42.46	23.82	54.00	16.31	V
11951.100	36.02	-31.48	39.09	28.41	54.00	17.98	H
11857.600	35.99	-31.85	39.05	28.79	54.00	18.01	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)
17788.200	41.95	-25.50	46.66	20.79	54.00	12.05	H
17975.200	41.94	-25.50	46.66	20.78	54.00	12.06	V
13351.400	38.14	-29.49	39.71	27.92	54.00	15.86	H
13328.900	38.11	-29.49	39.71	27.89	54.00	15.89	H
5149.000	49.00	-27.61	33.67	42.94	54.00	5.00	H
5149.300	48.70	-27.61	33.67	42.64	54.00	5.30	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)
17761.300	41.96	-25.50	46.66	20.80	54.00	12.04	V
17937.300	41.92	-25.50	46.66	20.76	54.00	12.08	H
8367.900	38.10	-34.50	37.68	34.92	54.00	15.90	V
13337.100	37.90	-29.49	39.71	27.68	54.00	16.10	V
13346.500	37.84	-29.49	39.71	27.62	54.00	16.16	V
11910.400	36.18	-31.85	39.05	28.98	54.00	17.82	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)
17715.700	41.57	-25.74	45.95	21.36	54.00	12.43	V
17948.300	41.57	-25.50	46.66	20.41	54.00	12.43	V
13336.500	37.94	-29.49	39.71	27.72	54.00	16.06	V
13339.900	37.86	-29.49	39.71	27.64	54.00	16.14	V
8431.600	37.08	-34.35	37.79	33.64	54.00	16.92	V
10946.200	36.14	-32.82	38.70	30.26	54.00	17.86	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)
17749.200	41.49	-25.50	46.66	20.33	54.00	12.51	H
17973.000	41.49	-25.50	46.66	20.33	54.00	12.51	V
14483.300	38.14	-28.59	42.46	24.27	54.00	15.86	V
13347.500	37.95	-29.49	39.71	27.73	54.00	16.05	H
5351.200	47.56	-27.43	34.01	40.98	54.00	6.44	H
5350.700	47.04	-27.43	34.01	40.46	54.00	6.96	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)
17997.800	41.69	-25.50	46.66	20.53	54.00	12.31	H
17832.800	41.63	-25.50	46.66	20.47	54.00	12.37	V
13345.400	38.03	-29.49	39.71	27.81	54.00	15.97	V
13351.400	37.83	-29.49	39.71	27.61	54.00	16.17	H
5457.500	44.55	-27.18	34.17	37.56	54.00	9.45	H
5456.600	43.55	-27.18	34.17	36.56	54.00	10.45	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)
17997.800	41.64	-25.50	46.66	20.48	54.00	12.36	H
17945.500	41.60	-25.50	46.66	20.44	54.00	12.40	V
13336.000	38.04	-29.49	39.71	27.82	54.00	15.96	H
13334.900	37.85	-29.49	39.71	27.63	54.00	16.15	V
11851.500	36.28	-31.85	39.05	29.08	54.00	17.72	V
11931.900	36.08	-31.48	39.09	28.47	54.00	17.92	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)
17906.000	41.82	-25.50	46.66	20.66	54.00	12.18	H
17730.500	41.73	-25.74	45.95	21.52	54.00	12.27	H
13351.400	38.05	-29.49	39.71	27.83	54.00	15.95	V
13342.000	37.74	-29.49	39.71	27.52	54.00	16.26	H
11992.900	36.28	-31.48	39.09	28.67	54.00	17.72	V
11987.400	36.22	-31.48	39.09	28.61	54.00	17.78	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)
17978.000	42.27	-25.50	46.66	21.11	54.00	11.73	V
17990.100	42.04	-25.50	46.66	20.88	54.00	11.96	H
14491.000	38.18	-28.59	42.46	24.31	54.00	15.82	H
13374.000	38.17	-29.49	39.71	27.95	54.00	15.83	V
5140.400	49.73	-27.61	33.67	43.67	54.00	4.27	H
5147.800	49.61	-27.61	33.67	43.55	54.00	4.39	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)
17954.900	41.89	-25.50	46.66	20.73	54.00	12.11	H
17947.200	41.86	-25.50	46.66	20.70	54.00	12.14	V
13363.500	38.01	-29.49	39.71	27.79	54.00	15.99	H
14489.400	37.90	-28.59	42.46	24.03	54.00	16.10	H
5362.700	46.79	-27.43	34.01	40.21	54.00	7.21	H
5362.400	46.59	-27.43	34.01	40.01	54.00	7.41	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)
17973.000	41.68	-25.50	46.66	20.52	54.00	12.32	V
17981.300	41.62	-25.50	46.66	20.46	54.00	12.38	V
14476.700	38.14	-28.59	42.46	24.27	54.00	15.86	H
14498.700	38.05	-28.59	42.46	24.18	54.00	15.95	V
5458.400	48.58	-27.18	34.17	41.59	54.00	5.42	H
5458.500	48.55	-27.18	34.17	41.56	54.00	5.45	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)
17986.200	41.64	-25.50	46.66	20.48	54.00	12.36	H
17766.200	41.62	-25.50	46.66	20.46	54.00	12.38	V
13351.400	38.11	-29.49	39.71	27.89	54.00	15.89	H
13356.900	38.09	-29.49	39.71	27.87	54.00	15.91	V
11538.000	36.34	-32.26	38.84	29.77	54.00	17.66	V
11532.000	36.24	-32.26	38.84	29.67	54.00	17.76	V

**PEAK Results:**
**802.11a**

## Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17832.200	52.56	-25.50	46.66	31.40	74.00	21.44	H
17921.300	52.47	-25.50	46.66	31.31	74.00	21.53	H
13718.200	50.64	-29.10	40.86	38.87	68.30	17.66	H
13669.300	50.41	-29.50	40.43	39.48	68.30	17.89	H
5149.700	65.86	-27.61	33.67	59.80	74.00	8.14	H
5149.500	64.68	-27.61	33.67	58.62	74.00	9.32	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)
17748.100	52.65	-25.50	46.66	31.49	74.00	21.35	H
17994.000	52.40	-25.50	46.66	31.24	74.00	21.60	H
13647.900	50.34	-29.50	40.43	39.41	68.30	17.96	V
13623.600	50.11	-29.50	40.43	39.18	68.30	18.19	H
11535.900	46.98	-32.26	38.84	40.41	74.00	27.02	V
11909.900	46.88	-31.85	39.05	39.68	74.00	27.12	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)
17301.000	52.09	-25.95	44.35	33.68	68.30	16.21	V
17750.300	52.08	-25.50	46.66	30.92	74.00	21.92	H
13634.100	49.93	-29.50	40.43	39.00	68.30	18.37	H
13561.000	49.87	-29.50	40.43	38.94	68.30	18.43	H
11863.100	46.79	-31.85	39.05	39.59	74.00	27.21	H
11043.600	46.77	-32.49	38.72	40.53	74.00	27.23	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)
17369.700	52.53	-25.95	44.35	34.12	68.30	15.77	V
17961.500	52.36	-25.50	46.66	31.20	74.00	21.64	H
13630.200	49.70	-29.50	40.43	38.77	68.30	18.60	H
13593.400	49.56	-29.50	40.43	38.63	68.30	18.74	H
11890.600	46.30	-31.85	39.05	39.10	74.00	27.70	V
11934.000	46.30	-31.48	39.09	38.69	74.00	27.70	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)
17222.300	52.23	-25.95	44.35	33.82	68.30	16.07	V
17743.200	52.16	-25.50	46.66	31.00	74.00	21.84	V
13718.200	50.62	-29.10	40.86	38.85	68.30	17.68	V
13665.500	49.94	-29.50	40.43	39.01	68.30	18.36	H
10558.000	47.32	-32.99	38.27	42.03	68.30	20.98	V
11897.200	46.62	-31.85	39.05	39.42	74.00	27.38	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)
17733.200	52.31	-25.74	45.95	32.10	74.00	21.69	H
17399.400	52.22	-26.85	45.25	33.82	68.30	16.08	H
13541.100	50.75	-29.56	39.99	40.32	68.30	17.55	H
13667.100	49.90	-29.50	40.43	38.97	68.30	18.40	V
5351.900	60.62	-27.43	34.01	54.04	74.00	13.38	H
5351.900	60.44	-27.43	34.01	53.86	74.00	13.56	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)
17970.300	52.75	-25.50	46.66	31.59	74.00	21.25	H
17773.400	52.50	-25.50	46.66	31.34	74.00	21.50	H
13558.800	50.08	-29.50	40.43	39.15	68.30	18.22	V
13657.800	49.97	-29.50	40.43	39.04	68.30	18.33	V
5459.100	64.81	-27.18	34.17	57.82	74.00	9.19	H
5469.800	67.84	-27.18	34.17	60.85	68.30	0.46	H

## Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17398.300	52.65	-26.85	45.25	34.25	68.30	15.65	H
17924.700	52.14	-25.50	46.66	30.98	74.00	21.86	H
13547.200	50.08	-29.56	39.99	39.65	68.30	18.22	V
13591.200	50.01	-29.50	40.43	39.08	68.30	18.29	V
11938.500	47.75	-31.48	39.09	40.14	74.00	26.25	H
11207.000	47.53	-32.60	38.75	41.39	74.00	26.47	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)
17767.300	52.24	-25.50	46.66	31.08	74.00	21.76	V
17964.800	52.00	-25.50	46.66	30.84	74.00	22.00	V
13683.000	50.11	-29.50	40.43	39.18	68.30	18.19	H
13685.200	50.00	-29.50	40.43	39.07	68.30	18.30	V
5725.900	64.71	-27.07	34.31	57.47	68.30	3.59	H
5725.100	64.43	-27.07	34.31	57.19	68.30	3.87	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)
17902.700	52.57	-25.50	46.66	31.41	74.00	21.43	V
17770.100	52.27	-25.50	46.66	31.11	74.00	21.73	H
13555.500	50.37	-29.56	39.99	39.94	68.30	17.93	V
13673.100	50.11	-29.50	40.43	39.18	68.30	18.19	H
5148.100	66.31	-27.61	33.67	60.25	74.00	7.69	H
5149.400	64.82	-27.61	33.67	58.76	74.00	9.18	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)
17291.600	52.52	-25.95	44.35	34.11	68.30	15.78	H
17780.500	52.13	-25.50	46.66	30.97	74.00	21.87	H
14713.200	49.83	-28.32	41.35	36.81	68.30	18.47	V
13585.700	49.68	-29.50	40.43	38.75	68.30	18.62	H
11939.500	47.71	-31.48	39.09	40.10	74.00	26.29	V
11114.500	47.31	-32.60	38.75	41.17	74.00	26.69	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)
17288.800	52.43	-25.95	44.35	34.02	68.30	15.87	V
17773.400	52.21	-25.50	46.66	31.05	74.00	21.79	H
13584.600	51.23	-29.50	40.43	40.30	68.30	17.07	H
13549.400	50.36	-29.56	39.99	39.93	68.30	17.94	V
11964.300	47.35	-31.48	39.09	39.74	74.00	26.65	H
11848.200	46.86	-31.85	39.05	39.66	74.00	27.14	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)
17231.700	52.20	-25.95	44.35	33.79	68.30	16.10	H
17622.700	52.06	-25.74	45.95	31.85	68.30	16.24	H
13635.800	51.38	-29.50	40.43	40.45	68.30	16.92	H
13652.200	50.07	-29.50	40.43	39.14	68.30	18.23	V
11521.500	46.77	-32.26	38.84	40.20	74.00	27.23	H
11522.100	46.66	-32.26	38.84	40.09	74.00	27.34	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)
17303.200	52.24	-25.95	44.35	33.83	68.30	16.06	H
17994.500	52.09	-25.50	46.66	30.93	74.00	21.91	H
13570.900	50.83	-29.50	40.43	39.90	68.30	17.47	V
13657.800	50.51	-29.50	40.43	39.58	68.30	17.79	V
10559.000	48.13	-32.99	38.27	42.84	68.30	20.17	V
11936.200	47.36	-31.48	39.09	39.75	74.00	26.64	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)
17477.000	52.22	-26.85	45.25	33.82	68.30	16.08	H
17970.800	52.09	-25.50	46.66	30.93	74.00	21.91	V
13528.000	50.24	-29.56	39.99	39.81	68.30	18.06	H
13591.800	50.00	-29.50	40.43	39.07	68.30	18.30	V
5351.200	61.54	-27.43	34.01	54.96	74.00	12.46	H
5350.300	59.17	-27.43	34.01	52.59	74.00	14.83	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)
17389.000	52.41	-26.85	45.25	34.01	68.30	15.89	V
17820.200	52.29	-25.50	46.66	31.13	74.00	21.71	H
13533.500	50.10	-29.56	39.99	39.67	68.30	18.20	V
13585.700	50.03	-29.50	40.43	39.10	68.30	18.27	V
5459.900	62.14	-27.18	34.17	55.15	74.00	11.86	H
5469.500	65.64	-27.18	34.17	58.65	68.30	2.66	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)
17315.200	52.24	-25.95	44.35	33.83	68.30	16.06	V
17956.500	51.77	-25.50	46.66	30.61	74.00	22.23	H
13436.600	50.22	-29.56	39.99	39.79	68.30	18.08	H
13584.000	49.79	-29.50	40.43	38.86	68.30	18.51	H
11830.600	46.73	-31.85	39.05	39.53	74.00	27.27	H
11793.200	46.51	-31.99	38.98	39.52	74.00	27.49	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)
17762.400	52.26	-25.50	46.66	31.10	74.00	21.74	H
17368.000	52.07	-25.95	44.35	33.66	68.30	16.23	H
13654.500	50.20	-29.50	40.43	39.27	68.30	18.10	V
13526.900	49.91	-29.56	39.99	39.48	68.30	18.39	H
5727.800	64.26	-27.07	34.31	57.02	68.30	4.04	H
5732.700	63.49	-27.07	34.31	56.25	68.30	4.81	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)
17965.900	53.23	-25.50	46.66	32.07	74.00	20.77	V
17888.900	52.64	-25.50	46.66	31.48	74.00	21.36	H
13743.000	50.77	-29.10	40.86	39.00	68.30	17.53	H
13619.800	50.34	-29.50	40.43	39.41	68.30	17.96	H
5147.300	65.33	-27.61	33.67	59.27	74.00	8.67	H
5149.300	63.52	-27.61	33.67	57.46	74.00	10.48	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)
17403.200	52.54	-26.85	45.25	34.14	68.30	15.76	V
17860.800	52.53	-25.50	46.66	31.37	74.00	21.47	V
13584.000	50.74	-29.50	40.43	39.81	68.30	17.56	V
13672.000	50.34	-29.50	40.43	39.41	68.30	17.96	H
10109.700	47.56	-33.45	38.13	42.88	68.30	20.74	H
11485.200	46.95	-32.26	38.84	40.38	74.00	27.05	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)
17990.700	52.84	-25.50	46.66	31.68	74.00	21.16	H
17805.800	52.75	-25.50	46.66	31.59	74.00	21.25	H
13661.600	51.15	-29.50	40.43	40.22	68.30	17.15	H
13557.100	50.05	-29.56	39.99	39.62	68.30	18.25	V
11555.600	47.46	-32.26	38.84	40.89	74.00	26.54	V
10637.100	46.69	-32.76	38.38	41.07	74.00	27.31	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)
17945.500	52.43	-25.50	46.66	31.27	74.00	21.57	V
17939.500	52.06	-25.50	46.66	30.90	74.00	21.94	H
13524.100	51.13	-29.56	39.99	40.70	68.30	17.17	H
13538.400	50.80	-29.56	39.99	40.37	68.30	17.50	V
5350.700	63.85	-27.43	34.01	57.27	74.00	10.15	H
5351.300	62.74	-27.43	34.01	56.16	74.00	11.26	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)
17925.200	52.34	-25.50	46.66	31.18	74.00	21.66	H
17291.000	52.13	-25.95	44.35	33.72	68.30	16.17	V
13625.900	51.15	-29.50	40.43	40.22	68.30	17.15	V
13607.100	50.70	-29.50	40.43	39.77	68.30	17.60	H
5454.600	56.27	-27.18	34.17	49.28	74.00	17.73	H
5469.700	65.25	-27.18	34.17	58.26	68.30	3.05	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)
17775.000	52.67	-25.50	46.66	31.51	74.00	21.33	H
17751.400	52.45	-25.50	46.66	31.29	74.00	21.55	H
13741.400	50.02	-29.10	40.86	38.25	68.30	18.28	H
13622.500	50.01	-29.50	40.43	39.08	68.30	18.29	V
11525.400	47.42	-32.26	38.84	40.85	74.00	26.58	H
10631.100	46.99	-32.76	38.38	41.37	74.00	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)
17219.500	52.02	-25.95	44.35	33.61	68.30	16.28	H
17794.300	51.97	-25.50	46.66	30.81	74.00	22.03	H
13747.400	50.61	-29.10	40.86	38.84	68.30	17.69	V
13543.400	50.22	-29.56	39.99	39.79	68.30	18.08	H
5745.500	60.18	-27.07	34.31	52.94	68.30	8.12	H
5726.400	60.14	-27.07	34.31	52.90	68.30	8.16	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)
17734.900	52.55	-25.74	45.95	32.34	74.00	21.45	H
17740.400	52.18	-25.50	46.66	31.02	74.00	21.82	H
13732.000	50.24	-29.10	40.86	38.47	68.30	18.06	V
13583.000	49.94	-29.50	40.43	39.01	68.30	18.36	H
5146.900	62.36	-27.61	33.67	56.30	74.00	11.64	H
5148.700	60.68	-27.61	33.67	54.62	74.00	13.32	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)
17970.300	52.82	-25.50	46.66	31.66	74.00	21.18	H
17690.300	52.74	-25.74	45.95	32.53	68.30	15.56	H
13729.800	50.32	-29.10	40.86	38.55	68.30	17.98	H
13575.800	50.26	-29.50	40.43	39.33	68.30	18.04	H
10969.400	46.99	-32.82	38.70	41.11	74.00	27.01	H
9991.500	46.92	-33.63	38.11	42.44	68.30	21.38	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)
17741.500	53.19	-25.50	46.66	32.03	74.00	20.81	V
17821.800	52.65	-25.50	46.66	31.49	74.00	21.35	H
13561.500	50.33	-29.50	40.43	39.40	68.30	17.97	V
13605.500	50.03	-29.50	40.43	39.10	68.30	18.27	V
11970.400	46.39	-31.48	39.09	38.78	74.00	27.61	V
11452.200	46.37	-32.26	38.84	39.80	74.00	27.63	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)
17479.700	52.27	-26.85	45.25	33.87	68.30	16.03	V
17297.700	52.17	-25.95	44.35	33.76	68.30	16.13	V
13594.000	49.81	-29.50	40.43	38.88	68.30	18.49	H
13619.800	49.79	-29.50	40.43	38.86	68.30	18.51	V
11881.200	46.96	-31.85	39.05	39.76	74.00	27.04	H
11032.000	46.78	-32.49	38.72	40.54	74.00	27.22	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)
17945.000	52.26	-25.50	46.66	31.10	74.00	21.74	V
17983.000	52.15	-25.50	46.66	30.99	74.00	21.85	V
13652.200	49.98	-29.50	40.43	39.05	68.30	18.32	H
13730.400	49.74	-29.10	40.86	37.97	68.30	18.56	H
11912.000	47.42	-31.85	39.05	40.22	74.00	26.58	H
10600.900	46.93	-32.76	38.38	41.31	74.00	27.07	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)
17752.500	52.67	-25.50	46.66	31.51	74.00	21.33	H
17749.200	52.49	-25.50	46.66	31.33	74.00	21.51	V
13718.200	50.13	-29.10	40.86	38.36	68.30	18.17	V
13635.800	49.70	-29.50	40.43	38.77	68.30	18.60	V
5350.400	56.44	-27.43	34.01	49.86	74.00	17.56	H
5350.100	56.39	-27.43	34.01	49.81	74.00	17.61	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)
17512.200	52.36	-26.85	45.25	33.96	68.30	15.94	H
17422.000	52.29	-26.85	45.25	33.89	68.30	16.01	V
13590.100	50.18	-29.50	40.43	39.25	68.30	18.12	V
13642.900	49.72	-29.50	40.43	38.79	68.30	18.58	H
5453.600	58.85	-27.18	34.17	51.86	74.00	15.15	H
5470.000	64.27	-27.18	34.17	57.28	68.30	4.03	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)
17774.000	52.07	-25.50	46.66	30.91	74.00	21.93	H
17409.300	52.02	-26.85	45.25	33.62	68.30	16.28	H
13555.500	50.16	-29.56	39.99	39.73	68.30	18.14	H
13564.200	50.09	-29.50	40.43	39.16	68.30	18.21	V
11954.400	46.89	-31.48	39.09	39.28	74.00	27.11	V
11204.800	46.82	-32.60	38.75	40.68	74.00	27.18	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)
17706.300	51.96	-25.74	45.95	31.75	74.00	22.04	H
17609.500	51.90	-25.74	45.95	31.69	68.30	16.40	H
13579.100	50.13	-29.50	40.43	39.20	68.30	18.17	V
13645.100	50.03	-29.50	40.43	39.10	68.30	18.27	V
5728.000	64.85	-27.07	34.31	57.61	68.30	3.45	V
5732.600	64.79	-27.07	34.31	57.55	68.30	3.51	H

**802.11ac-HT40**

## Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17833.300	52.74	-25.50	46.66	31.58	74.00	21.26	V
17970.800	52.30	-25.50	46.66	31.14	74.00	21.70	H
13539.000	50.77	-29.56	39.99	40.34	68.30	17.53	V
13693.500	50.16	-29.50	40.43	39.23	68.30	18.14	V
5149.300	66.26	-27.61	33.67	60.20	74.00	7.74	H
5148.600	65.31	-27.61	33.67	59.25	74.00	8.69	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)
17956.500	52.58	-25.50	46.66	31.42	74.00	21.42	H
17951.600	52.30	-25.50	46.66	31.14	74.00	21.70	V
13752.900	50.26	-29.10	40.86	38.49	68.30	18.04	V
13679.200	50.12	-29.50	40.43	39.19	68.30	18.18	H
11994.000	46.88	-31.48	39.09	39.27	74.00	27.12	H
11931.900	46.81	-31.48	39.09	39.20	74.00	27.19	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)
17985.700	52.09	-25.50	46.66	30.93	74.00	21.91	H
17304.200	51.80	-25.95	44.35	33.39	68.30	16.50	V
13651.700	49.62	-29.50	40.43	38.69	68.30	18.68	H
13742.500	49.51	-29.10	40.86	37.74	68.30	18.79	V
10653.100	46.74	-32.76	38.38	41.12	74.00	27.26	V
10586.000	46.61	-32.76	38.38	40.99	68.30	21.69	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)
17709.600	52.46	-25.74	45.95	32.25	74.00	21.54	V
17320.200	52.33	-25.95	44.35	33.92	68.30	15.97	V
13580.800	50.07	-29.50	40.43	39.14	68.30	18.23	V
13618.700	50.06	-29.50	40.43	39.13	68.30	18.24	H
5350.100	61.27	-27.43	34.01	54.69	74.00	12.73	H
5351.300	60.88	-27.43	34.01	54.30	74.00	13.12	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)
17849.800	53.19	-25.50	46.66	32.03	74.00	20.81	V
17694.200	52.67	-25.74	45.95	32.46	68.30	15.63	V
13534.500	49.99	-29.56	39.99	39.56	68.30	18.31	H
13594.500	49.99	-29.50	40.43	39.06	68.30	18.31	H
5459.300	56.17	-27.18	34.17	49.18	74.00	17.83	H
5466.900	63.40	-27.18	34.17	56.41	68.30	4.90	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)
17747.000	52.28	-25.50	46.66	31.12	74.00	21.72	H
17989.500	52.26	-25.50	46.66	31.10	74.00	21.74	V
13662.700	49.85	-29.50	40.43	38.92	68.30	18.45	H
13732.500	49.85	-29.10	40.86	38.08	68.30	18.45	H
11871.900	47.04	-31.85	39.05	39.84	74.00	26.96	H
11963.800	46.93	-31.48	39.09	39.32	74.00	27.07	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)
17929.600	52.09	-25.50	46.66	30.93	74.00	21.91	V
17862.500	51.74	-25.50	46.66	30.58	74.00	22.26	V
13596.700	50.37	-29.50	40.43	39.44	68.30	17.93	V
13638.000	50.05	-29.50	40.43	39.12	68.30	18.25	H
5727.200	60.71	-27.07	34.31	53.47	68.30	7.59	H
5726.300	58.55	-27.07	34.31	51.31	68.30	9.75	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)
17398.300	52.54	-26.85	45.25	34.14	68.30	15.76	H
17604.000	52.45	-25.74	45.95	32.24	68.30	15.85	V
13552.700	50.40	-29.56	39.99	39.97	68.30	17.90	V
13647.300	50.38	-29.50	40.43	39.45	68.30	17.92	V
5141.800	60.94	-27.61	33.67	54.88	74.00	13.06	H
5145.400	60.19	-27.61	33.67	54.13	74.00	13.81	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)
17825.700	52.52	-25.50	46.66	31.36	74.00	21.48	H
17388.400	52.19	-26.85	45.25	33.79	68.30	16.11	H
13546.600	50.72	-29.56	39.99	40.29	68.30	17.58	V
13762.800	50.38	-29.10	40.86	38.61	68.30	17.92	H
5350.100	61.17	-27.43	34.01	54.59	74.00	12.83	H
5354.500	59.03	-27.43	34.01	52.45	74.00	14.97	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)
17914.200	52.70	-25.50	46.66	31.54	74.00	21.30	V
17294.300	52.30	-25.95	44.35	33.89	68.30	16.00	V
13739.700	50.06	-29.10	40.86	38.29	68.30	18.24	V
13658.300	50.02	-29.50	40.43	39.09	68.30	18.28	V
5448.700	60.33	-27.18	34.17	53.34	74.00	13.67	H
5467.700	61.48	-27.18	34.17	54.49	68.30	6.82	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)
17670.500	52.44	-25.74	45.95	32.23	68.30	15.86	V
17620.000	52.14	-25.74	45.95	31.93	68.30	16.16	V
13731.500	50.32	-29.10	40.86	38.55	68.30	17.98	H
13737.500	49.94	-29.10	40.86	38.17	68.30	18.36	H
5727.600	55.76	-27.07	34.31	48.52	68.30	12.54	H
5732.900	55.53	-27.07	34.31	48.29	68.30	12.77	H

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

**Test Condition:**

Voltage (V)	Frequency (Hz)
120	60

**Measurement uncertainty:**

Expanded measurement uncertainty for this test item is  $U = 3.10\text{dB}$ ,  $k=2$ .

**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.55	Fig.56	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)

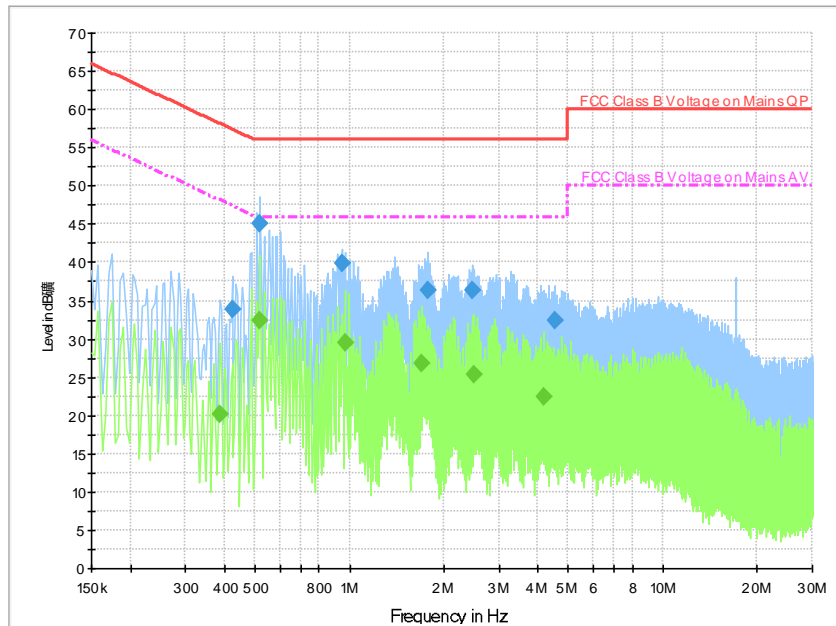
Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.55	Fig.56	P
0.5 to 5	46			
5 to 30	50			

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.55 Conducted Emission(802.11a, Ch36, TX)**

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

**Final Result 1**

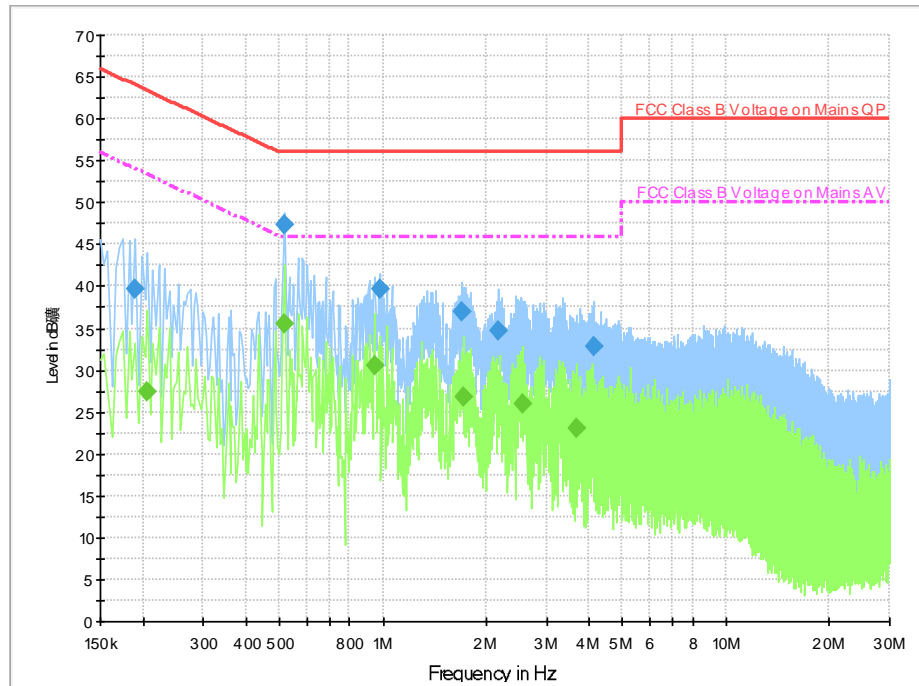
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.422000	33.8	5000.0	9.000	On	L1	19.7	23.6	57.4
0.518000	45.1	5000.0	9.000	On	L1	19.7	10.9	56.0
0.946000	39.8	5000.0	9.000	On	L1	19.7	16.2	56.0
1.778000	36.4	5000.0	9.000	On	L1	19.6	19.6	56.0
2.458000	36.3	5000.0	9.000	On	L1	19.6	19.7	56.0
4.506000	32.3	5000.0	9.000	On	L1	19.5	23.7	56.0

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.386000	20.0	5000.0	9.000	On	L1	19.8	28.1	48.1
0.518000	32.4	5000.0	9.000	On	L1	19.7	13.6	46.0
0.966000	29.5	5000.0	9.000	On	L1	19.7	16.5	46.0
1.694000	26.7	5000.0	9.000	On	L1	19.6	19.3	46.0
2.502000	25.3	5000.0	9.000	On	L1	19.6	20.7	46.0
4.158000	22.4	5000.0	9.000	On	L1	19.6	23.6	46.0

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

Idle:



**Fig.56 Conducted Emission(802.11a, IDLE)**

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.190000	39.7	5000.0	9.000	On	L1	19.8	24.4	64.0
0.518000	47.3	5000.0	9.000	On	L1	19.7	8.7	56.0
0.978000	39.7	5000.0	9.000	On	L1	19.8	16.3	56.0
1.690000	36.9	5000.0	9.000	On	L1	19.6	19.1	56.0
2.170000	34.8	5000.0	9.000	On	L1	19.6	21.2	56.0
4.102000	32.9	5000.0	9.000	On	L1	19.6	23.1	56.0

**Final Result 2**

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.206000	27.4	5000.0	9.000	On	L1	19.8	26.0	53.4
0.518000	35.4	5000.0	9.000	On	L1	19.7	10.6	46.0
0.946000	30.6	5000.0	9.000	On	L1	19.7	15.4	46.0
1.726000	26.7	5000.0	9.000	On	L1	19.6	19.3	46.0
2.550000	26.0	5000.0	9.000	On	L1	19.6	20.0	46.0
3.666000	23.1	5000.0	9.000	On	L1	19.6	22.9	46.0

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

### A.8. 99% Occupied bandwidth

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

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

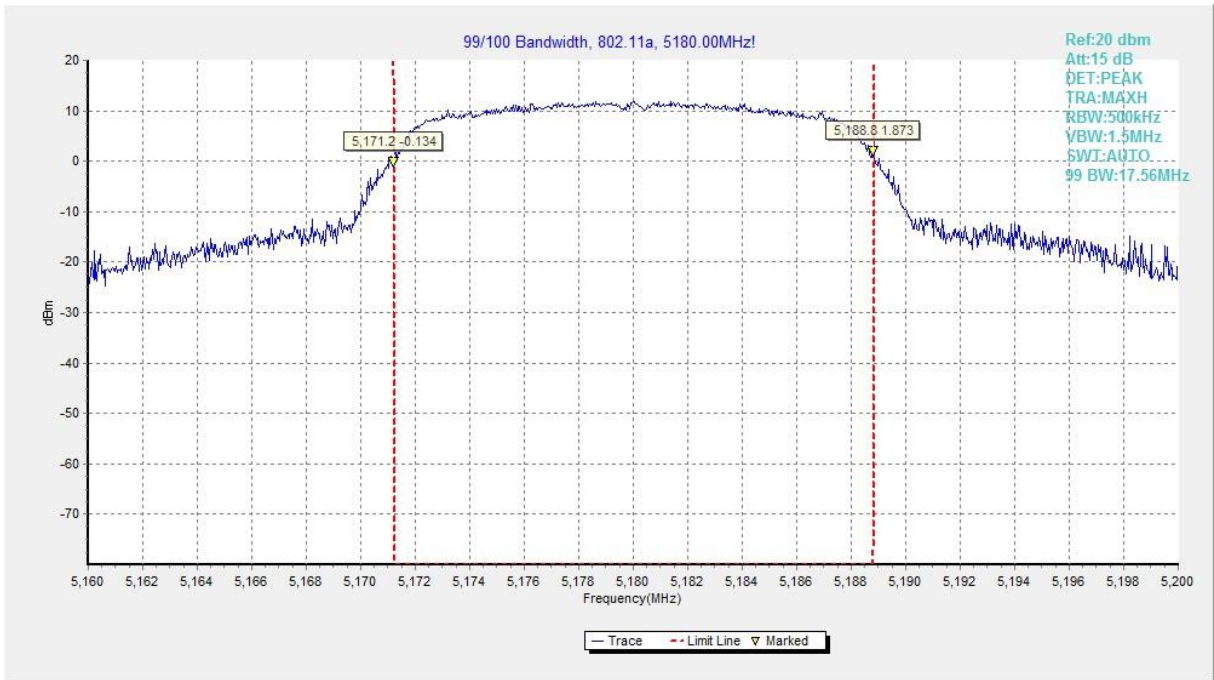
#### Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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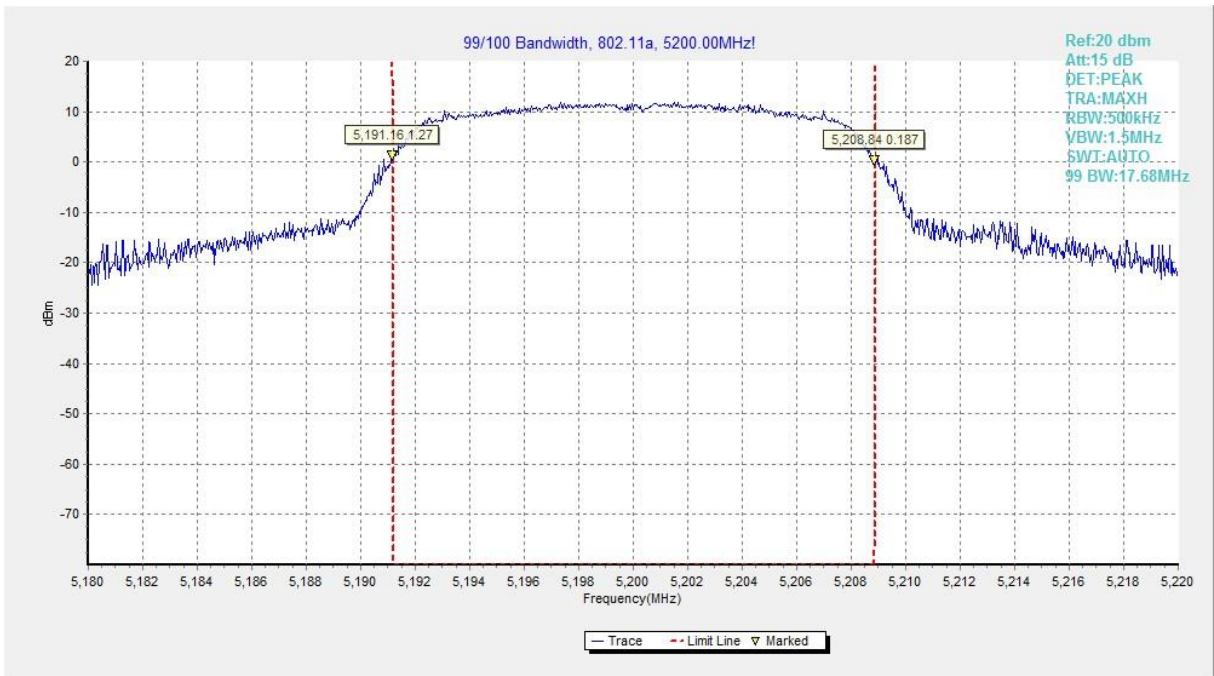
#### Measurement Result:

Mode	Frequency	99% Occupied bandwidth ( MHz)		conclusion
802.11a	5180 MHz	Fig.57	17.56	P
	5200 MHz	Fig.58	17.68	P
	5240 MHz	Fig.59	17.68	P
802.11n HT20	5180 MHz	Fig.60	18.20	P
	5200 MHz	Fig.61	18.24	P
	5240 MHz	Fig.62	18.28	P
802.11n HT40	5190 MHz	Fig.63	36.32	P
	5230 MHz	Fig.64	36.24	P
802.11ac HT80	5210 MHz	Fig.65	75.36	P

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

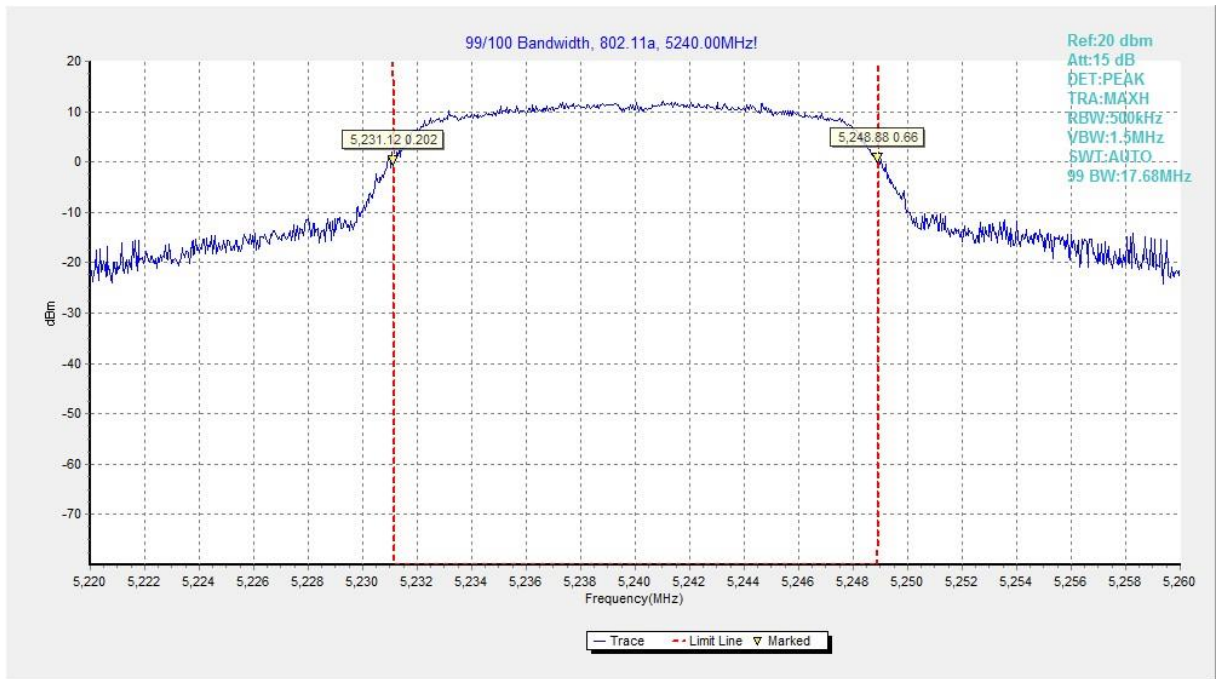


**Fig.57 99% Occupied bandwidth (802.11a, 5180MHz)**

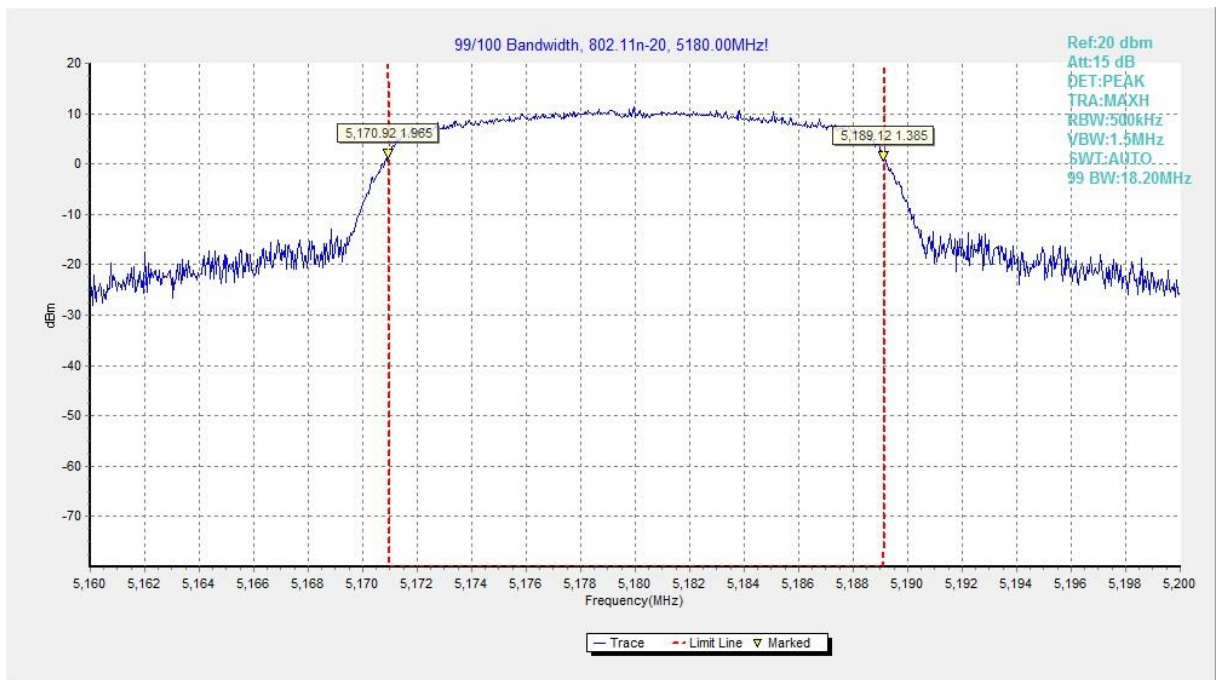


**Fig.58 99% Occupied bandwidth (802.11a, 5200MHz)**

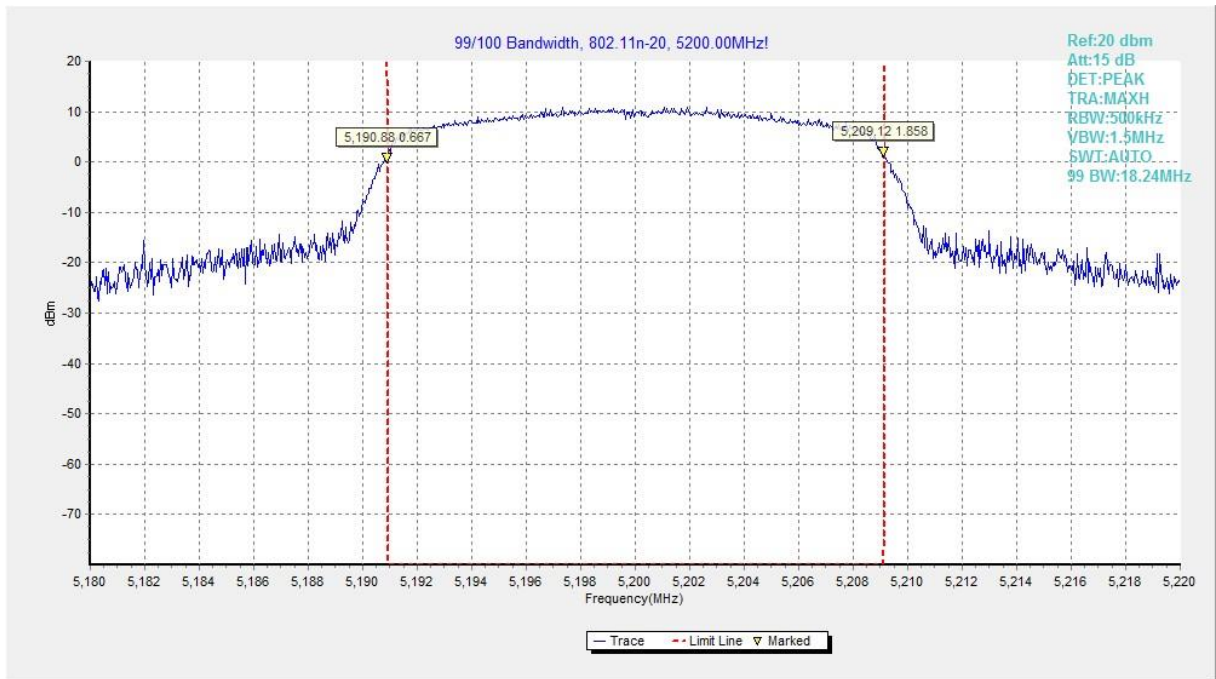




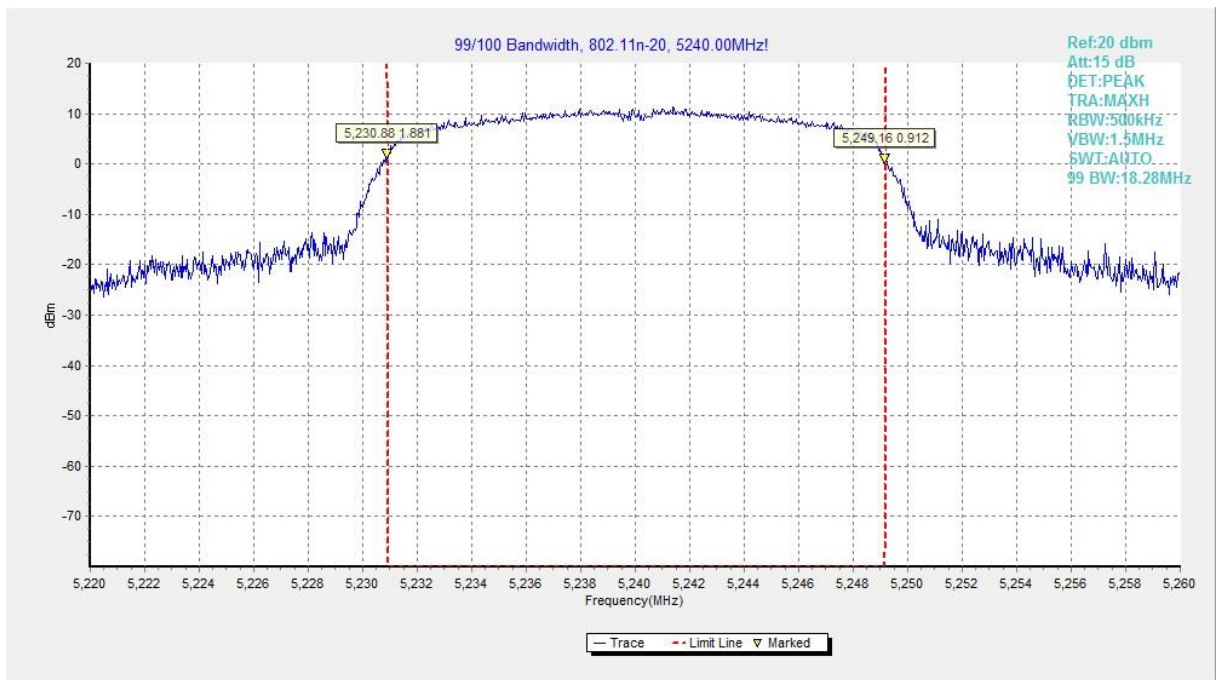
**Fig.59 99% Occupied bandwidth (802.11a, 5240MHz)**



**Fig.60 99% Occupied bandwidth (802.11n-HT20, 5180MHz)**

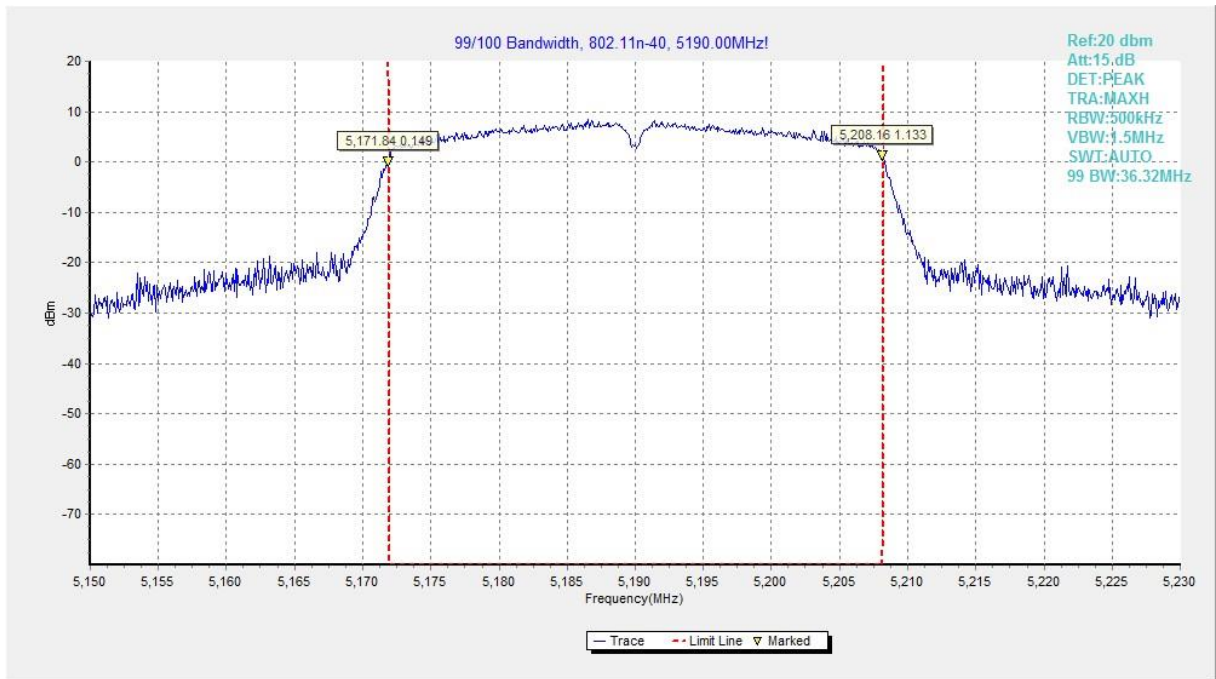


**Fig.61 99% Occupied bandwidth (802.11n-HT20, 5200MHz)**

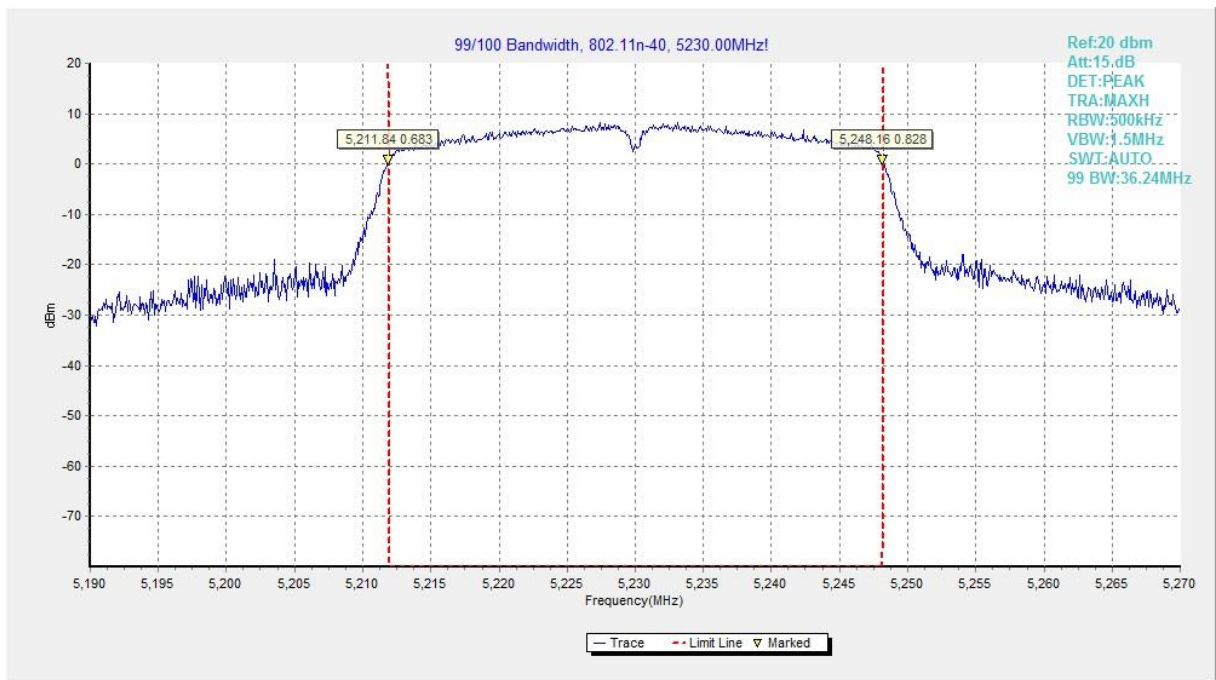


**Fig.62 99% Occupied bandwidth (802.11n-HT20, 5240MHz)**

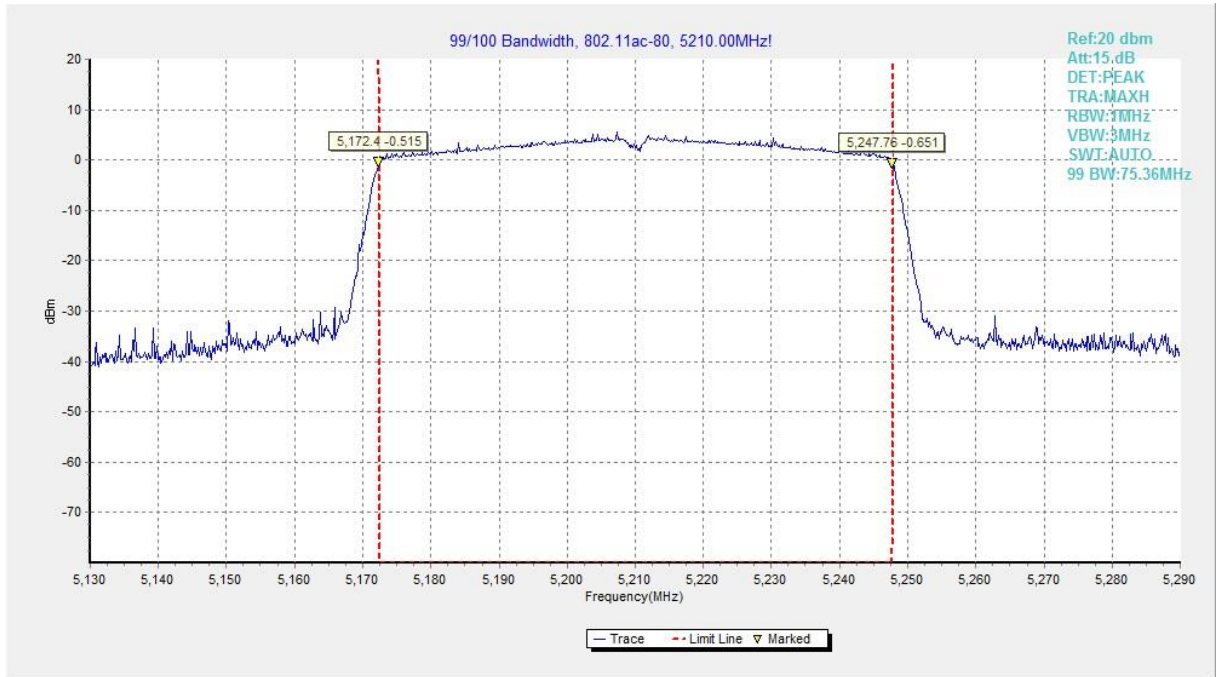




**Fig.63 99% Occupied bandwidth (802.11n-HT40, 5190MHz)**



**Fig.64 99% Occupied bandwidth (802.11n-HT40, 5230MHz)**



**Fig.65 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)**

## A.9. Power control

A Transmission Power Control mechanism is not required for systems with an e.i.r.p. of less than 27dBm (500 mW).

## ANNEX B: EUT parameters

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

## ANNEX C: Accreditation Certificate

<b>United States Department of Commerce National Institute of Standards and Technology</b>	
	
<b>Certificate of Accreditation to ISO/IEC 17025:2017</b>	
NVLAP LAB CODE: 600118-0	
<b>Telecommunication Technology Labs, CAICT</b> Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
<b>Electromagnetic Compatibility &amp; Telecommunications</b>	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF 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 \*\*\*