

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)
5453.200	41.53	-25.37	34.44	32.46	54.00	12.47	V
5457.200	41.69	-25.34	34.44	32.60	54.00	12.31	V
10999.600	32.59	-32.68	37.90	27.37	54.00	21.41	V
15937.500	35.88	-27.75	40.25	23.38	54.00	18.12	H
17957.100	36.36	-26.10	40.25	22.21	54.00	17.64	V
17982.400	36.27	-26.04	40.22	22.09	54.00	17.73	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)
5405.600	40.63	-25.67	34.37	31.93	54.00	13.37	V
5453.400	40.70	-25.36	34.44	31.63	54.00	13.30	V
11199.800	32.24	-32.08	37.94	26.38	54.00	21.76	V
15856.100	35.59	-28.11	40.19	23.51	54.00	18.41	H
17850.400	35.31	-26.35	40.38	21.28	54.00	18.69	H
17961.500	35.99	-26.09	40.25	21.83	54.00	18.01	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)
5437.200	40.63	-25.47	34.42	31.68	54.00	13.37	V
5453.200	40.57	-25.37	34.44	31.50	54.00	13.43	V
11400.000	32.34	-32.34	37.98	26.70	54.00	21.66	V
15851.700	35.40	-28.13	40.18	23.34	54.00	18.60	V
17958.200	35.73	-26.10	40.25	21.57	54.00	18.27	H
17985.700	35.69	-26.03	40.22	21.51	54.00	18.31	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)
5424.000	40.13	-25.55	34.40	31.28	54.00	13.87	V
5433.000	40.06	-25.49	34.41	31.14	54.00	13.94	V
11439.600	31.54	-32.43	37.99	25.98	54.00	22.46	V
15852.800	35.24	-28.12	40.18	23.18	54.00	18.76	H
17956.000	35.48	-26.10	40.25	21.33	54.00	18.52	H
17987.900	35.45	-26.03	40.21	21.27	54.00	18.55	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)
5147.400	39.27	-25.69	34.01	30.95	54.00	14.73	V
5149.400	39.44	-25.70	34.02	31.13	54.00	14.56	V
11941.200	34.10	-31.69	38.71	27.09	54.00	19.90	H
15540.400	34.55	-28.84	39.93	23.45	54.00	19.45	V
17958.200	35.53	-26.10	40.25	21.37	54.00	18.47	V
17981.300	35.54	-26.04	40.22	21.36	54.00	18.46	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5144.400	40.80	-25.68	34.01	32.48	54.00	13.20	V
5366.400	39.79	-25.75	34.32	31.22	54.00	14.21	V
11931.300	34.02	-31.72	38.69	27.04	54.00	19.98	V
15599.800	34.41	-28.71	39.98	23.13	54.00	19.59	H
17961.500	35.59	-26.09	40.25	21.43	54.00	18.41	V
17989.000	35.57	-26.04	40.21	21.40	54.00	18.43	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)
5142.800	39.87	-25.68	34.01	31.54	54.00	14.13	V
5352.400	40.10	-25.76	34.30	31.56	54.00	13.90	V
11920.300	34.11	-31.75	38.67	27.18	54.00	19.89	V
15719.700	33.56	-28.48	40.08	21.96	54.00	20.44	H
17957.100	35.50	-26.10	40.25	21.35	54.00	18.50	H
17981.300	35.45	-26.04	40.22	21.27	54.00	18.55	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)
5351.000	40.66	-25.76	34.30	32.12	54.00	13.34	V
5355.800	40.24	-25.76	34.30	31.69	54.00	13.76	V
11939.000	34.27	-31.69	38.70	27.26	54.00	19.73	H
15780.200	34.82	-28.38	40.13	23.07	54.00	19.18	V
17742.600	35.84	-26.53	40.51	21.86	54.00	18.16	V
17956.000	36.43	-26.10	40.25	22.27	54.00	17.57	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)
5351.800	40.14	-25.76	34.30	31.60	54.00	13.86	V
5358.800	40.24	-25.75	34.31	31.69	54.00	13.76	V
11918.100	34.28	-31.75	38.67	27.36	54.00	19.72	H
15839.600	35.65	-28.18	40.17	23.66	54.00	18.35	V
17847.100	35.45	-26.35	40.38	21.42	54.00	18.55	H
17967.000	36.13	-26.08	40.24	21.96	54.00	17.87	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)
5351.400	43.32	-25.76	34.30	34.78	54.00	10.68	V
5351.200	43.32	-25.76	34.30	34.78	54.00	10.68	V
10639.900	31.23	-33.30	37.83	26.70	54.00	22.77	V
15959.500	35.14	-27.65	40.27	22.52	54.00	18.86	V
17860.300	35.38	-26.32	40.37	21.34	54.00	18.62	V
17950.500	35.72	-26.11	40.26	21.57	54.00	18.28	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)
5425.800	41.77	-25.54	34.40	32.91	54.00	12.23	V
5459.800	41.75	-25.33	34.45	32.64	54.00	12.25	V
10999.600	32.28	-32.68	37.90	27.06	54.00	21.72	H
15836.300	35.09	-28.20	40.17	23.11	54.00	18.91	V
17743.700	35.27	-26.53	40.51	21.29	54.00	18.73	H
17958.200	35.56	-26.10	40.25	21.40	54.00	18.44	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5423.400	40.03	-25.56	34.40	31.19	54.00	13.97	V
5451.200	40.05	-25.38	34.43	30.99	54.00	13.95	V
11199.800	32.13	-32.08	37.94	26.27	54.00	21.87	H
15850.600	35.22	-28.13	40.18	23.17	54.00	18.78	V
17772.300	35.15	-26.49	40.47	21.17	54.00	18.85	H
17960.400	35.48	-26.09	40.25	21.32	54.00	18.52	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)
5426.200	40.20	-25.54	34.40	31.34	54.00	13.80	V
5453.600	40.14	-25.36	34.44	31.07	54.00	13.86	V
11400.000	32.17	-32.34	37.98	26.53	54.00	21.83	V
15855.000	35.13	-28.11	40.19	23.06	54.00	18.87	V
17749.200	35.16	-26.52	40.50	21.18	54.00	18.84	V
17957.100	35.55	-26.10	40.25	21.39	54.00	18.45	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)
5421.400	40.18	-25.57	34.39	31.35	54.00	13.82	V
5441.400	40.13	-25.44	34.42	31.15	54.00	13.87	V
11439.600	31.48	-32.43	37.99	25.92	54.00	22.52	H
15936.400	35.14	-27.75	40.25	22.64	54.00	18.86	H
17957.100	35.72	-26.10	40.25	21.56	54.00	18.28	V
17983.500	35.61	-26.04	40.22	21.43	54.00	18.39	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)
5149.400	47.15	-25.69	34.01	38.83	54.00	6.85	V
5150.000	47.45	-25.70	34.02	39.13	54.00	6.55	V
11917.000	34.17	-31.75	38.67	27.25	54.00	19.83	V
15570.100	34.10	-28.78	39.96	22.92	54.00	19.90	H
17969.200	35.51	-26.07	40.24	21.35	54.00	18.49	H
17985.700	35.50	-26.03	40.22	21.31	54.00	18.50	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)
5143.200	41.08	-25.68	34.01	32.76	54.00	12.92	V
5356.000	40.85	-25.76	34.31	32.30	54.00	13.15	V
11912.600	34.07	-31.77	38.66	27.17	54.00	19.93	H
15690.000	34.22	-28.53	40.05	22.70	54.00	19.78	H
17960.400	35.77	-26.09	40.25	21.61	54.00	18.23	H
17978.000	35.78	-26.05	40.23	21.61	54.00	18.22	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)
5353.000	40.18	-25.76	34.30	31.64	54.00	13.82	V
5368.400	39.99	-25.75	34.32	31.42	54.00	14.01	V
11945.600	33.95	-31.68	38.71	26.91	54.00	20.05	H
15809.900	34.57	-28.32	40.15	22.74	54.00	19.43	H
17923.000	35.05	-26.18	40.29	20.94	54.00	18.95	V
17980.200	35.45	-26.04	40.22	21.27	54.00	18.55	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)
5350.200	48.01	-25.76	34.30	39.47	54.00	5.99	V
5350.800	47.60	-25.76	34.30	39.06	54.00	6.40	V
10620.100	31.05	-33.33	37.82	26.55	54.00	22.95	H
15929.800	35.13	-27.78	40.24	22.67	54.00	18.87	V
17771.200	35.03	-26.49	40.47	21.05	54.00	18.97	H
17971.400	35.45	-26.06	40.23	21.28	54.00	18.55	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5454.400	41.40	-25.36	34.44	32.32	54.00	12.60	V
5458.800	41.35	-25.34	34.44	32.24	54.00	12.65	V
11020.500	32.12	-32.62	37.90	26.84	54.00	21.88	H
15855.000	34.97	-28.11	40.19	22.90	54.00	19.03	V
17748.100	35.14	-26.52	40.50	21.16	54.00	18.86	H
17958.200	35.27	-26.10	40.25	21.11	54.00	18.73	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5455.000	41.17	-25.36	34.44	32.08	54.00	12.83	V
5459.000	41.15	-25.33	34.45	32.03	54.00	12.85	V
11180.000	32.23	-32.10	37.94	26.40	54.00	21.77	H
15839.600	34.81	-28.18	40.17	22.82	54.00	19.19	H
17745.900	35.09	-26.52	40.50	21.11	54.00	18.91	V
17960.400	35.13	-26.09	40.25	20.98	54.00	18.87	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)
5440.600	40.65	-25.44	34.42	31.67	54.00	13.35	V
5450.200	40.62	-25.38	34.43	31.57	54.00	13.38	V
11339.500	32.47	-32.19	37.97	26.69	54.00	21.53	H
15829.700	34.68	-28.23	40.17	22.74	54.00	19.32	V
17749.200	35.06	-26.52	40.50	21.08	54.00	18.94	V
17957.100	35.14	-26.10	40.25	20.99	54.00	18.86	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)
5429.800	40.69	-25.51	34.41	31.80	54.00	13.31	V
5453.000	40.78	-25.37	34.44	31.71	54.00	13.22	V
11419.800	32.10	-32.38	37.98	26.50	54.00	21.90	H
15852.800	34.92	-28.12	40.18	22.86	54.00	19.08	V
17959.300	35.29	-26.09	40.25	21.14	54.00	18.71	V
17985.700	35.22	-26.03	40.22	21.04	54.00	18.78	H

802.11ac-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5146.200	39.62	-25.69	34.01	31.30	54.00	14.38	V
5149.400	39.86	-25.70	34.02	31.54	54.00	14.14	V
11919.200	34.02	-31.75	38.67	27.09	54.00	19.98	V
15540.400	34.56	-28.84	39.93	23.47	54.00	19.44	V
17958.200	35.46	-26.10	40.25	21.31	54.00	18.54	V
17979.100	35.43	-26.05	40.22	21.25	54.00	18.57	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)
5146.400	41.73	-25.69	34.01	33.41	54.00	12.27	V
5363.600	40.72	-25.75	34.32	32.15	54.00	13.28	V
11911.500	34.08	-31.77	38.66	27.19	54.00	19.92	V
15599.800	34.30	-28.71	39.98	23.03	54.00	19.70	V
17951.600	35.73	-26.11	40.26	21.59	54.00	18.27	V
17989.000	35.82	-26.04	40.21	21.65	54.00	18.18	V

Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5141.000	40.71	-25.67	34.00	32.38	54.00	13.29	V
5357.800	40.68	-25.75	34.31	32.13	54.00	13.32	V
11919.200	34.15	-31.75	38.67	27.23	54.00	19.85	V
15719.700	33.62	-28.48	40.08	22.02	54.00	20.38	H
17956.000	35.62	-26.10	40.25	21.47	54.00	18.38	V
17971.400	35.67	-26.06	40.23	21.50	54.00	18.33	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)
5351.400	40.49	-25.76	34.30	31.95	54.00	13.51	V
5358.600	40.30	-25.75	34.31	31.75	54.00	13.70	V
11936.800	33.99	-31.70	38.70	26.99	54.00	20.01	H
15780.200	34.24	-28.38	40.13	22.50	54.00	19.76	H
17749.200	35.31	-26.52	40.50	21.33	54.00	18.69	H
17957.100	35.60	-26.10	40.25	21.45	54.00	18.40	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)
5351.800	39.94	-25.76	34.30	31.40	54.00	14.06	V
5355.600	39.83	-25.76	34.30	31.29	54.00	14.17	V
11881.800	33.95	-31.85	38.61	27.19	54.00	20.05	V
15839.600	35.11	-28.18	40.17	23.12	54.00	18.89	V
17749.200	35.20	-26.52	40.50	21.22	54.00	18.80	V
17959.300	35.43	-26.09	40.25	21.27	54.00	18.57	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)
5350.400	43.71	-25.76	34.30	35.18	54.00	10.29	V
5350.600	43.66	-25.76	34.30	35.12	54.00	10.34	V
10639.900	31.06	-33.30	37.83	26.54	54.00	22.94	H
15959.500	34.95	-27.65	40.27	22.33	54.00	19.05	H
17747.000	35.29	-26.52	40.50	21.31	54.00	18.71	H
17981.300	35.49	-26.04	40.22	21.31	54.00	18.51	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)
5452.200	41.14	-25.37	34.44	32.08	54.00	12.86	V
5457.000	41.26	-25.35	34.44	32.17	54.00	12.74	V
10999.600	32.34	-32.68	37.90	27.12	54.00	21.66	V
15852.800	34.99	-28.12	40.18	22.93	54.00	19.01	V
17774.500	35.11	-26.49	40.47	21.13	54.00	18.89	V
17956.000	35.29	-26.10	40.25	21.14	54.00	18.71	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5448.600	40.54	-25.39	34.43	31.50	54.00	13.46	V
5457.400	41.43	-25.34	34.44	32.33	54.00	12.57	V
11199.800	32.00	-32.08	37.94	26.14	54.00	22.00	V
15852.800	34.98	-28.12	40.18	22.92	54.00	19.02	H
17747.000	35.05	-26.52	40.50	21.07	54.00	18.95	V
17961.500	35.23	-26.09	40.25	21.08	54.00	18.77	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)
5458.200	39.98	-25.34	34.44	30.88	54.00	14.02	V
5458.800	40.04	-25.34	34.44	30.93	54.00	13.96	V
11400.000	32.17	-32.34	37.98	26.53	54.00	21.83	H
15846.200	34.94	-28.15	40.18	22.91	54.00	19.06	V
17745.900	35.06	-26.52	40.50	21.08	54.00	18.94	V
17960.400	35.24	-26.09	40.25	21.08	54.00	18.76	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)
5423.400	40.15	-25.56	34.40	31.31	54.00	13.85	V
5458.000	40.01	-25.34	34.44	30.90	54.00	13.99	V
11439.600	31.53	-32.43	37.99	25.97	54.00	22.47	V
15937.500	35.28	-27.75	40.25	22.78	54.00	18.72	H
17957.100	35.88	-26.10	40.25	21.73	54.00	18.12	H
17979.100	35.69	-26.05	40.22	21.51	54.00	18.31	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)
5148.800	44.38	-25.70	34.02	36.06	54.00	9.62	V
5149.600	44.35	-25.70	34.02	36.03	54.00	9.65	V
11942.300	33.98	-31.68	38.71	26.95	54.00	20.02	H
15570.100	34.24	-28.78	39.96	23.05	54.00	19.76	H
17959.300	35.54	-26.09	40.25	21.38	54.00	18.46	V
17979.100	35.60	-26.05	40.22	21.42	54.00	18.40	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)
5142.600	42.14	-25.68	34.01	33.81	54.00	11.86	V
5352.800	40.87	-25.76	34.30	32.32	54.00	13.13	V
11915.900	34.12	-31.76	38.67	27.21	54.00	19.88	H
15690.000	34.25	-28.53	40.05	22.72	54.00	19.75	V
17954.900	35.61	-26.10	40.25	21.46	54.00	18.39	H
17976.900	35.72	-26.05	40.23	21.55	54.00	18.28	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)
5351.400	40.24	-25.76	34.30	31.70	54.00	13.76	V
5357.400	40.08	-25.75	34.31	31.53	54.00	13.92	V
11877.400	33.94	-31.86	38.61	27.19	54.00	20.06	H
15809.900	34.83	-28.32	40.15	22.99	54.00	19.17	H
17740.400	35.35	-26.53	40.51	21.37	54.00	18.65	V
17957.100	35.71	-26.10	40.25	21.55	54.00	18.29	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)
5350.400	44.77	-25.76	34.30	36.23	54.00	9.23	V
5350.600	44.86	-25.76	34.30	36.32	54.00	9.14	V
11936.800	33.92	-31.70	38.70	26.92	54.00	20.08	V
15929.800	35.26	-27.78	40.24	22.80	54.00	18.74	V
17745.900	35.23	-26.52	40.50	21.25	54.00	18.77	V
17976.900	35.43	-26.05	40.23	21.25	54.00	18.57	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5459.400	40.91	-25.33	34.45	31.80	54.00	13.09	V
5459.600	40.90	-25.33	34.45	31.79	54.00	13.10	V
11020.500	32.51	-32.62	37.90	27.23	54.00	21.49	H
15938.600	36.16	-27.74	40.25	23.65	54.00	17.84	H
17957.100	36.71	-26.10	40.25	22.56	54.00	17.29	V
17985.700	36.67	-26.03	40.22	22.48	54.00	17.33	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5452.400	41.36	-25.37	34.44	32.30	54.00	12.64	V
5457.200	41.32	-25.34	34.44	32.22	54.00	12.68	V
11180.000	32.20	-32.10	37.94	26.36	54.00	21.80	V
15853.900	35.26	-28.12	40.18	23.19	54.00	18.74	V
17932.900	35.44	-26.15	40.28	21.31	54.00	18.56	V
17990.100	35.69	-26.05	40.21	21.53	54.00	18.31	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)
5454.400	40.14	-25.36	34.44	31.06	54.00	13.86	V
5459.000	39.95	-25.33	34.45	30.84	54.00	14.05	V
11339.500	32.54	-32.19	37.97	26.76	54.00	21.46	V
15933.100	35.17	-27.77	40.25	22.69	54.00	18.83	V
17960.400	35.75	-26.09	40.25	21.59	54.00	18.25	V
17978.000	35.63	-26.05	40.23	21.46	54.00	18.37	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)
5412.400	39.99	-25.63	34.38	31.23	54.00	14.01	V
5430.200	40.07	-25.51	34.41	31.17	54.00	13.93	V
11419.800	32.16	-32.38	37.98	26.56	54.00	21.84	V
15857.200	35.17	-28.11	40.19	23.09	54.00	18.83	V
17951.600	35.49	-26.11	40.26	21.35	54.00	18.51	H
17990.100	35.65	-26.05	40.21	21.49	54.00	18.35	H

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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)
5148.600	50.51	-25.70	34.02	42.19	54.00	3.49	V
5149.600	50.76	-25.70	34.02	42.44	54.00	3.24	V
11879.600	33.95	-31.86	38.61	27.20	54.00	20.05	V
15629.500	34.59	-28.64	40.00	23.23	54.00	19.41	V
17748.100	35.23	-26.52	40.50	21.25	54.00	18.77	V
17961.500	35.51	-26.09	40.25	21.35	54.00	18.49	V

Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.600	48.82	-25.76	34.30	40.28	54.00	5.18	V
5353.600	48.53	-25.76	34.30	39.98	54.00	5.47	V
11936.800	33.95	-31.70	38.70	26.95	54.00	20.05	H
15870.400	34.74	-28.05	40.20	22.59	54.00	19.26	H
17750.300	35.09	-26.52	40.50	21.11	54.00	18.91	V
17961.500	35.45	-26.09	40.25	21.29	54.00	18.55	V

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5458.600	42.94	-25.34	34.44	33.83	54.00	11.06	V
5459.400	42.98	-25.33	34.45	33.87	54.00	11.02	V
11060.100	32.40	-32.49	37.91	26.97	54.00	21.60	H
15856.100	35.12	-28.11	40.19	23.05	54.00	18.88	H
17951.600	35.51	-26.11	40.26	21.36	54.00	18.49	H
17996.700	35.41	-26.12	40.20	21.32	54.00	18.59	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)
5457.800	40.77	-25.34	34.44	31.66	54.00	13.23	V
5459.400	40.96	-25.33	34.45	31.84	54.00	13.04	V
11380.200	32.44	-32.29	37.98	26.76	54.00	21.56	V
15855.000	35.31	-28.11	40.19	23.24	54.00	18.69	H
17956.000	35.77	-26.10	40.25	21.61	54.00	18.23	V
17981.300	35.69	-26.04	40.22	21.51	54.00	18.31	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)
5448.000	40.66	-25.40	34.43	31.63	54.00	13.34	V
5455.200	40.84	-25.36	34.44	31.76	54.00	13.16	V
11380.200	32.32	-32.29	37.98	26.63	54.00	21.68	V
15921.000	35.02	-27.82	40.24	22.60	54.00	18.98	V
17960.400	35.54	-26.09	40.25	21.39	54.00	18.46	V
17986.800	35.49	-26.03	40.22	21.31	54.00	18.51	V

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)
5149.328	67.59	-25.70	34.02	59.27	74.00	6.41	V
5149.835	68.82	-25.70	34.02	60.50	74.00	5.18	H
10359.950	45.13	-33.07	37.69	40.52	68.30	23.17	H
15539.850	47.98	-28.84	39.93	36.89	68.30	20.32	V
16511.150	51.36	-27.61	41.00	37.97	68.30	16.94	V
17253.650	51.66	-26.90	40.95	37.61	68.30	16.64	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5152.000	62.23	-25.70	34.02	53.92	68.30	6.07	H
5261.800	60.76	-25.77	34.17	52.36	68.30	7.54	H
10400.100	44.32	-33.17	37.72	39.77	68.30	23.98	H
15599.800	47.22	-28.71	39.98	35.95	68.30	21.08	H
16856.550	49.09	-27.23	41.07	35.25	68.30	19.21	H
17275.100	50.93	-26.89	40.93	36.89	68.30	17.37	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)
5169.400	57.44	-25.75	34.04	49.15	68.30	10.86	V
5311.000	57.71	-25.79	34.24	49.25	68.30	10.59	H
10479.850	44.30	-33.11	37.78	39.63	68.30	24.00	V
15720.250	45.80	-28.48	40.08	34.20	68.30	22.50	H
17225.600	50.29	-26.91	40.96	36.24	68.30	18.01	V
17233.300	50.93	-26.91	40.96	36.88	68.30	17.37	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)
5197.400	54.59	-25.79	34.08	46.29	74.00	19.41	H
5320.600	54.15	-25.78	34.26	45.67	74.00	19.85	H
10520.000	43.80	-33.11	37.80	39.10	68.30	24.50	H
15780.200	45.97	-28.38	40.13	34.22	74.00	28.03	H
17175.550	49.64	-26.93	40.99	35.57	68.30	18.66	V
17255.300	49.69	-26.90	40.95	35.64	68.30	18.61	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)
5209.000	55.07	-25.77	34.10	46.74	68.30	13.23	V
5345.000	56.91	-25.76	34.29	48.38	68.30	11.39	V
10560.150	44.53	-33.20	37.81	39.92	68.30	23.77	V
15840.150	47.17	-28.18	40.17	35.18	74.00	26.83	V
16846.100	49.30	-27.25	41.07	35.48	68.30	19.00	H
17248.150	49.45	-26.90	40.95	35.40	68.30	18.85	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)
5353.296	69.75	-25.76	34.30	61.21	74.00	4.25	H
5353.337	69.80	-25.76	34.30	61.26	74.00	4.20	V
10639.900	43.49	-33.30	37.83	38.97	74.00	30.51	H
15960.050	43.49	-27.65	40.27	30.87	74.00	30.51	V
17157.950	50.21	-26.93	41.00	36.14	68.30	18.09	H
17238.250	50.78	-26.91	40.96	36.73	68.30	17.52	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)
5467.853	63.68	-25.29	34.46	54.51	68.30	4.62	H
5468.069	63.46	-25.29	34.46	54.29	68.30	4.84	H
11000.150	44.92	-32.68	37.90	39.70	68.30	23.38	V
16500.150	48.52	-27.61	41.00	35.14	68.30	19.77	V
17201.950	51.16	-26.92	40.98	37.11	68.30	17.14	V
17380.700	51.01	-26.82	40.87	36.96	68.30	17.29	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5545.600	59.45	-25.14	34.56	50.03	68.30	8.85	H
5666.000	60.93	-24.74	34.71	50.97	68.30	7.37	H
11199.800	44.47	-32.08	37.94	38.61	68.30	23.83	V
16799.900	47.01	-27.30	41.06	33.25	68.30	21.29	H
17258.600	50.08	-26.90	40.94	36.04	68.30	18.22	H
17267.950	50.40	-26.90	40.94	36.36	68.30	17.90	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.062	61.61	-24.80	34.78	51.64	68.30	6.69	H
5726.137	60.95	-24.80	34.78	50.97	68.30	7.35	H
11400.000	44.65	-32.34	37.98	39.01	68.30	23.65	V
17100.200	46.29	-26.96	41.04	32.22	68.30	22.01	H
17162.900	50.02	-26.93	41.00	35.95	68.30	18.28	H
17447.250	49.82	-26.76	40.83	35.75	68.30	18.48	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)
5666.660	63.04	-24.74	34.71	53.07	68.30	5.26	V
5765.400	64.39	-24.75	34.82	54.32	68.30	3.91	H
11440.150	44.19	-32.43	37.99	38.63	68.30	24.11	V
17160.150	47.25	-26.93	41.00	33.18	68.30	21.05	H
17223.400	49.65	-26.91	40.96	35.59	68.30	18.65	V
17252.550	49.79	-26.90	40.95	35.74	68.30	18.51	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)
5147.840	68.92	-25.69	34.01	60.60	74.00	5.08	V
5148.785	69.45	-25.70	34.02	61.13	74.00	4.55	V
10359.950	44.98	-33.07	37.69	40.37	68.30	23.31	V
15539.850	46.68	-28.84	39.93	35.59	68.30	21.62	H
17254.750	50.83	-26.90	40.95	36.78	68.30	17.47	V
17507.750	50.15	-26.73	40.79	36.09	68.30	18.15	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5151.200	61.40	-25.70	34.02	53.08	68.30	6.90	H
5261.400	59.11	-25.77	34.17	50.71	68.30	9.19	V
10400.100	44.09	-33.17	37.72	39.55	68.30	24.21	H
15599.800	45.67	-28.71	39.98	34.40	68.30	22.63	V
16479.800	49.20	-27.62	40.97	35.85	68.30	19.10	H
16793.850	49.44	-27.31	41.06	35.69	68.30	18.86	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)
5176.800	58.17	-25.77	34.06	49.89	68.30	10.13	H
5292.000	60.10	-25.80	34.22	51.69	68.30	8.20	V
10479.850	43.90	-33.11	37.78	39.23	68.30	24.40	H
15720.250	45.01	-28.48	40.08	33.41	68.30	23.29	H
17176.650	50.15	-26.93	40.99	36.08	68.30	18.15	V
17249.250	50.20	-26.90	40.95	36.16	68.30	18.10	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)
5192.800	56.41	-25.79	34.08	48.13	74.00	17.59	H
5335.600	57.54	-25.77	34.28	49.03	74.00	16.46	V
10520.000	45.28	-33.11	37.80	40.59	68.30	23.02	H
15780.200	48.11	-28.38	40.13	36.37	74.00	25.89	H
16879.650	51.63	-27.21	41.08	37.76	68.30	16.67	V
17163.450	52.35	-26.93	41.00	38.28	68.30	15.95	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)
5213.000	54.09	-25.77	34.11	45.76	68.30	14.21	V
5353.200	54.66	-25.76	34.30	46.11	68.30	13.64	V
10560.150	45.93	-33.20	37.81	41.32	68.30	22.37	H
15840.150	48.48	-28.18	40.17	36.49	74.00	25.52	V
16811.450	51.12	-27.29	41.06	37.35	68.30	17.18	V
17112.300	50.64	-26.95	41.03	36.56	68.30	17.66	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)
5350.677	69.62	-25.76	34.30	61.08	74.00	4.38	V
5351.501	69.66	-25.76	34.30	61.12	74.00	4.34	H
10639.900	43.37	-33.30	37.83	38.84	74.00	30.63	V
15960.050	47.72	-27.65	40.27	35.10	74.00	26.28	H
16746.550	49.88	-27.37	41.05	36.20	68.30	18.42	H
17250.900	50.81	-26.90	40.95	36.76	68.30	17.49	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)
5469.550	62.62	-25.28	34.46	53.44	68.30	5.67	H
5469.953	62.88	-25.28	34.46	53.69	68.30	5.42	H
11000.150	45.34	-32.68	37.90	40.12	74.00	28.66	V
16500.150	48.90	-27.61	41.00	35.52	68.30	19.40	H
17239.385	50.59	-26.91	40.96	36.54	68.30	17.71	H
17550.650	51.18	-26.71	40.74	37.15	68.30	17.12	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)
5535.800	60.69	-25.13	34.54	51.28	68.30	7.61	H
5657.800	59.78	-24.76	34.70	49.85	68.30	8.52	H
11199.800	44.60	-32.08	37.94	38.74	74.00	29.40	V
16799.900	47.29	-27.30	41.06	33.53	68.30	21.01	H
17231.650	50.37	-26.91	40.96	36.32	68.30	17.93	H
17562.200	49.10	-26.70	40.72	35.08	68.30	19.20	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)
5725.113	63.01	-24.80	34.78	53.03	68.30	5.29	H
5725.250	64.91	-24.80	34.78	54.94	68.30	3.39	H
11400.100	44.06	-32.34	37.98	38.41	68.30	24.24	V
17100.200	46.03	-26.96	41.04	31.95	74.00	27.97	V
17253.100	49.87	-26.90	40.95	35.82	68.30	18.43	H
17655.700	49.39	-26.64	40.61	35.41	68.30	18.91	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)
5672.600	61.77	-24.73	34.71	51.78	68.30	6.53	V
5768.400	61.38	-24.75	34.83	51.30	68.30	6.92	H
11440.150	43.78	-32.43	37.99	38.22	68.30	24.52	V
17160.150	47.28	-26.93	41.00	33.21	68.30	21.02	V
17231.100	49.81	-26.91	40.96	35.76	68.30	18.49	V
17281.150	50.36	-26.89	40.93	36.32	68.30	17.94	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)
5147.665	69.40	-25.69	34.01	61.08	74.00	4.60	H
5149.170	69.48	-25.70	34.02	61.16	74.00	4.52	V
10379.750	44.79	-33.12	37.71	40.20	68.30	23.51	V
15570.100	46.80	-28.78	39.96	35.62	68.30	21.50	V
16805.400	49.08	-27.29	41.06	35.31	68.30	19.22	V
17292.700	50.27	-26.89	40.92	36.24	68.30	18.03	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5176.200	61.48	-25.77	34.05	53.20	68.30	6.82	H
5279.600	61.49	-25.79	34.20	53.08	68.30	6.81	H
10460.500	44.41	-33.13	37.77	39.78	68.30	23.89	H
15690.000	46.27	-28.53	40.05	34.75	68.30	22.03	V
17254.200	50.33	-26.90	40.95	36.28	68.30	17.97	H
17273.450	50.06	-26.90	40.93	36.02	68.30	18.24	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)
5158.200	54.48	-25.72	34.03	46.17	74.00	19.52	H
5387.400	54.38	-25.74	34.35	45.77	74.00	19.62	H
10539.800	44.81	-33.15	37.81	40.15	68.30	23.49	H
15809.900	46.20	-28.32	40.15	34.37	74.00	27.80	H
17172.800	50.22	-26.93	41.00	36.15	68.30	18.08	V
17243.200	50.50	-26.91	40.95	36.45	68.30	17.80	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)
5350.542	70.24	-25.76	34.30	61.70	74.00	3.76	H
5351.703	70.10	-25.76	34.30	61.56	74.00	3.90	V
10620.100	43.31	-33.33	37.82	38.81	74.00	30.69	H
15929.800	47.21	-27.78	40.24	34.75	74.00	26.79	V
16746.550	49.70	-27.37	41.05	36.02	68.30	18.60	V
17167.850	50.31	-26.93	41.00	36.25	68.30	17.99	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)
5468.669	64.26	-25.28	34.46	55.09	68.30	4.04	H
5469.625	64.40	-25.28	34.46	55.22	68.30	3.90	V
11019.950	44.56	-32.62	37.90	39.27	74.00	29.44	H
16529.850	45.79	-27.61	41.01	32.40	68.30	22.51	V
17253.650	49.52	-26.90	40.95	35.48	68.30	18.78	H
17498.400	49.30	-26.73	40.80	35.23	68.30	19.00	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)
5511.600	61.95	-25.10	34.51	52.54	68.30	6.35	H
5670.000	63.50	-24.73	34.71	53.53	68.30	4.80	V
11180.000	44.73	-32.10	37.94	38.90	74.00	29.27	V
16770.200	47.23	-27.34	41.05	33.51	68.30	21.07	H
17248.700	49.86	-26.90	40.95	35.82	68.30	18.44	H
17647.450	48.49	-26.65	40.62	34.52	68.30	19.81	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)
5725.613	65.05	-24.80	34.78	55.07	68.30	3.25	V
5726.025	64.90	-24.80	34.78	54.92	68.30	3.40	H
11340.050	44.24	-32.19	37.97	38.46	74.00	29.76	H
17010.000	45.67	-27.06	41.09	31.64	68.30	22.63	V
17283.900	49.57	-26.89	40.93	35.53	68.30	18.73	H
17683.200	48.62	-26.60	40.58	34.64	68.30	19.68	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)
5640.200	61.90	-24.79	34.67	52.02	68.30	6.40	H
5787.000	61.96	-24.73	34.85	51.85	68.30	6.34	H
11419.800	44.68	-32.38	37.98	39.08	68.30	23.62	H
17129.900	48.58	-26.94	41.02	34.50	68.30	19.72	H
17236.050	50.13	-26.91	40.96	36.09	68.30	18.16	H
17398.850	49.81	-26.80	40.86	35.75	68.30	18.49	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)
5146.335	69.61	-25.69	34.01	61.28	74.00	4.39	V
5147.784	67.76	-25.69	34.01	59.44	74.00	6.24	H
10359.950	44.79	-33.07	37.69	40.17	68.30	23.51	H
15539.850	46.11	-28.84	39.93	35.02	68.30	22.19	V
16841.700	49.61	-27.25	41.07	35.80	68.30	18.69	H
17270.700	50.09	-26.90	40.94	36.05	68.30	18.21	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)
5153.200	60.21	-25.71	34.02	51.90	68.30	8.09	V
5247.200	61.92	-25.76	34.15	53.52	68.30	6.38	H
10400.100	44.60	-33.17	37.72	40.05	68.30	23.70	H
15599.800	45.84	-28.71	39.98	34.57	68.30	22.45	V
17229.450	49.89	-26.91	40.96	35.84	68.30	18.41	V
17247.050	49.97	-26.90	40.95	35.92	68.30	18.33	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)
5182.400	59.70	-25.79	34.06	51.43	68.30	8.60	H
5293.000	60.23	-25.80	34.22	51.81	68.30	8.07	H
10479.850	44.30	-33.11	37.78	39.63	68.30	24.00	H
15720.250	45.08	-28.48	40.08	33.49	68.30	23.22	H
16739.950	49.65	-27.38	41.05	35.98	68.30	18.65	H
16862.600	49.21	-27.23	41.07	35.36	68.30	19.09	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)
5189.800	54.66	-25.79	34.07	46.38	74.00	19.34	V
5337.600	54.51	-25.77	34.28	46.00	74.00	19.49	V
10520.000	43.87	-33.11	37.80	39.17	68.30	24.43	V
15780.200	46.48	-28.38	40.13	34.73	74.00	27.52	V
17253.100	50.07	-26.90	40.95	36.03	68.30	18.23	V
17665.600	49.79	-26.63	40.60	35.81	68.30	18.51	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)
5210.600	53.96	-25.77	34.10	45.63	68.30	14.34	H
5342.400	54.41	-25.76	34.29	45.89	68.30	13.89	H
10560.150	44.25	-33.20	37.81	39.64	68.30	24.05	V
15840.150	47.06	-28.18	40.17	35.07	74.00	26.94	H
16843.350	49.42	-27.25	41.07	35.60	68.30	18.88	H
17230.550	50.22	-26.91	40.96	36.17	68.30	18.08	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.812	70.19	-25.76	34.30	61.65	74.00	3.81	V
5353.080	70.53	-25.76	34.30	61.98	74.00	3.47	V
10639.900	44.03	-33.30	37.83	39.50	74.00	29.97	V
15960.050	47.03	-27.65	40.27	34.41	74.00	26.97	H
16818.600	49.26	-27.28	41.06	35.47	68.30	19.04	V
17273.450	50.13	-26.90	40.93	36.09	68.30	18.17	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)
5469.269	59.55	-25.28	34.46	50.38	74.00	14.45	V
5469.775	59.99	-25.28	34.46	50.81	74.00	14.01	H
11000.150	44.89	-32.68	37.90	39.66	74.00	29.11	H
16500.150	46.25	-27.61	41.00	32.86	68.30	22.05	H
17249.250	49.30	-26.90	40.95	35.25	68.30	19.00	V
17659.000	49.11	-26.64	40.61	35.14	68.30	19.19	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)
5536.000	59.99	-25.13	34.54	50.57	68.30	8.31	V
5659.400	61.75	-24.75	34.70	51.80	68.30	6.55	V
11199.800	43.77	-32.08	37.94	37.91	74.00	30.23	V
16799.900	46.52	-27.30	41.06	32.76	68.30	21.78	V
17203.050	49.68	-26.92	40.98	35.63	68.30	18.62	H
17672.750	48.53	-26.62	40.59	34.56	68.30	19.77	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)
5726.475	61.68	-24.80	34.78	51.70	68.30	6.62	H
5726.500	62.57	-24.80	34.78	52.59	68.30	5.73	H
11400.000	44.52	-32.34	37.98	38.88	74.00	29.48	V
17100.200	45.88	-26.96	41.04	31.81	68.30	22.41	V
17257.500	49.15	-26.90	40.94	35.10	68.30	19.15	V
17667.250	49.13	-26.62	40.60	35.16	68.30	19.17	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)
5662.600	60.18	-24.75	34.70	50.22	68.30	8.12	H
5767.200	60.26	-24.75	34.83	50.18	68.30	8.04	V
11440.150	43.68	-32.43	37.99	38.12	68.30	24.62	V
17160.150	47.48	-26.93	41.00	33.41	68.30	20.82	H
17255.300	49.88	-26.90	40.95	35.84	68.30	18.42	H
17266.850	50.41	-26.90	40.94	36.36	68.30	17.89	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)
5146.440	67.30	-25.69	34.01	58.97	74.00	6.70	H
5149.467	67.95	-25.70	34.02	59.63	74.00	6.05	H
10379.750	44.71	-33.12	37.71	40.13	68.30	23.59	V
15570.100	45.88	-28.78	39.96	34.70	68.30	22.41	V
17239.350	49.70	-26.91	40.96	35.66	68.30	18.60	V
17294.900	50.30	-26.88	40.92	36.27	68.30	18.00	V

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5173.800	62.81	-25.77	34.05	54.53	68.30	5.49	V
5298.800	63.29	-25.80	34.23	54.86	68.30	5.01	V
10460.050	44.30	-33.13	37.77	39.66	68.30	24.00	H
15690.000	45.66	-28.53	40.05	34.14	68.30	22.64	V
17253.650	50.49	-26.90	40.95	36.44	68.30	17.81	V
17269.050	50.22	-26.90	40.94	36.18	68.30	18.08	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)
5193.200	58.77	-25.79	34.08	50.48	74.00	15.23	V
5341.800	60.23	-25.76	34.29	51.70	74.00	13.77	V
10539.800	44.55	-33.15	37.81	39.90	68.30	23.75	H
15809.900	46.39	-28.32	40.15	34.56	74.00	27.61	V
17227.250	49.74	-26.91	40.96	35.69	68.30	18.56	V
17605.100	49.61	-26.68	40.67	35.62	68.30	18.69	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)
5350.218	66.47	-25.76	34.30	57.93	74.00	7.53	H
5351.001	66.29	-25.76	34.30	57.75	74.00	7.71	V
10620.100	43.27	-33.33	37.82	38.77	68.30	25.03	H
15929.800	48.41	-27.78	40.24	35.95	68.30	19.88	H
16797.150	48.96	-27.30	41.06	35.20	74.00	25.04	V
17253.650	50.04	-26.90	40.95	35.99	68.30	18.26	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)
5469.578	61.79	-25.28	34.46	52.61	74.00	12.21	V
5469.616	61.35	-25.28	34.46	52.17	74.00	12.65	V
11019.950	44.51	-32.62	37.90	39.23	68.30	23.79	H
16529.850	48.87	-27.61	41.01	35.47	68.30	19.43	H
17046.300	51.14	-27.02	41.07	37.10	68.30	17.16	H
17250.900	51.05	-26.90	40.95	37.01	68.30	17.25	V

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5503.600	59.11	-25.10	34.50	49.70	68.30	9.19	H
5672.200	61.87	-24.73	34.71	51.89	68.30	6.43	V
11180.000	43.48	-32.10	37.94	37.65	68.30	24.82	V
16770.200	47.36	-27.34	41.05	33.64	68.30	20.94	H
17267.400	50.82	-26.90	40.94	36.78	68.30	17.48	V
17495.650	50.12	-26.74	40.80	36.05	68.30	18.18	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)
5726.050	63.65	-24.80	34.78	53.67	68.30	4.65	H
5726.488	63.44	-24.80	34.78	53.46	68.30	4.86	V
11340.050	44.05	-32.19	37.97	38.28	68.30	24.24	V
17010.000	45.41	-27.06	41.09	31.37	68.30	22.89	H
17244.850	49.80	-26.90	40.95	35.76	68.30	18.50	H
17248.700	49.91	-26.90	40.95	35.86	68.30	18.39	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)
5642.400	60.95	-24.79	34.68	51.06	68.30	7.35	V
5790.200	59.37	-24.75	34.85	49.26	68.30	8.93	V
11419.800	43.70	-32.38	37.98	38.10	68.30	24.60	H
17129.900	46.83	-26.94	41.02	32.75	68.30	21.47	H
17247.050	49.48	-26.90	40.95	35.43	68.30	18.82	V
17474.750	49.44	-26.75	40.81	35.37	68.30	18.86	V

802.11ac-HT80

Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5143.815	70.06	-25.68	34.01	61.73	74.00	3.94	V
5149.852	70.06	-25.70	34.02	61.74	74.00	3.94	V
10419.900	44.57	-33.18	37.74	40.01	68.30	23.73	V
15630.050	46.67	-28.64	40.01	35.31	74.00	27.33	V
16732.250	49.98	-27.40	41.05	36.33	68.30	18.32	H
17251.450	50.28	-26.90	40.95	36.23	68.30	18.02	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)
5357.076	69.70	-25.76	34.31	61.14	74.00	4.30	V
5358.628	69.23	-25.75	34.31	60.67	74.00	4.77	V
10579.950	44.07	-33.25	37.82	39.50	68.30	24.23	H
15869.850	47.01	-28.05	40.20	34.87	74.00	26.99	H
16759.750	48.75	-27.35	41.05	35.05	68.30	19.55	H
17215.150	50.24	-26.92	40.97	36.18	68.30	18.06	V

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5464.919	63.27	-25.30	34.45	54.12	68.30	5.03	H
5468.369	62.65	-25.29	34.46	53.48	68.30	5.65	H
11060.100	44.39	-32.49	37.91	38.96	68.30	23.91	V
16589.800	45.59	-27.60	41.02	32.17	68.30	22.71	H
17244.850	50.33	-26.90	40.95	36.28	68.30	17.97	H
17252.550	50.26	-26.90	40.95	36.21	68.30	18.04	V

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5731.475	63.58	-24.80	34.78	53.60	68.30	4.72	H
5732.913	63.97	-24.80	34.79	53.98	68.30	4.33	H
11380.200	44.44	-32.29	37.98	38.76	68.30	23.86	V
17069.950	47.45	-27.00	41.06	33.39	68.30	20.85	V
17243.200	50.10	-26.91	40.95	36.05	68.30	18.20	H
17443.400	49.99	-26.77	40.83	35.92	68.30	18.31	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)
5562.000	62.79	-25.14	34.58	53.36	68.30	5.51	H
5829.600	61.67	-24.97	34.90	51.74	68.30	6.63	V
11380.200	44.02	-32.29	37.98	38.34	68.30	24.28	V
17069.950	45.54	-27.00	41.06	31.48	68.30	22.76	V
17242.650	50.03	-26.91	40.95	35.98	68.30	18.27	V
17251.450	49.86	-26.90	40.95	35.81	68.30	18.44	V

Note:

1. The spurious emission above 18G is noise only.
2. All emissions below 30MHz are more than 20 dB below the limit

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.

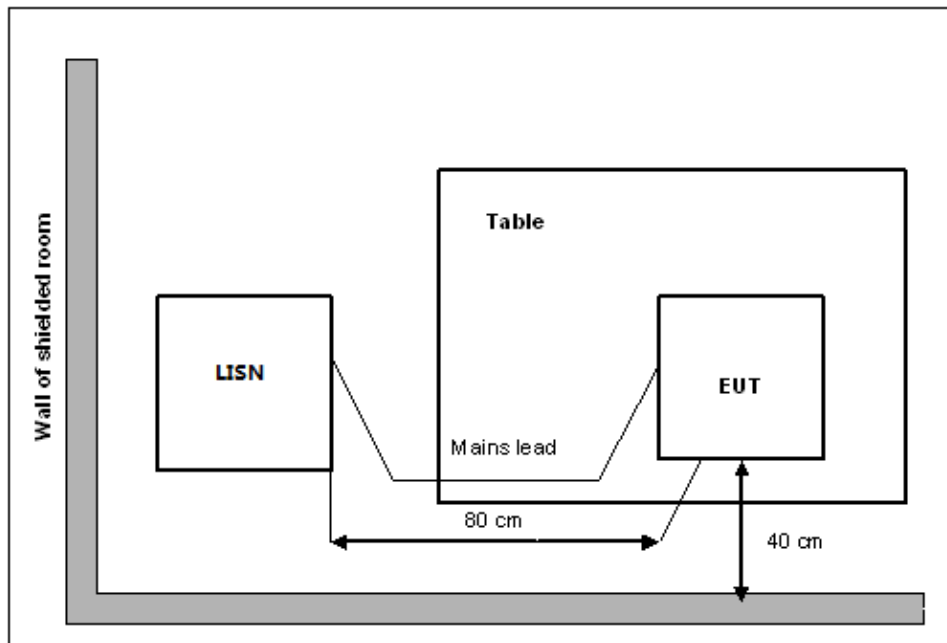
The measurement bandwidth is:

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 (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.58	Fig.59	P
0.5 to 5	56			
5 to 30	60			

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

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.58	Fig.59	P
0.5 to 5	46			
5 to 30	50			

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

Conclusion: PASS

Test graphs as below:

Traffic:

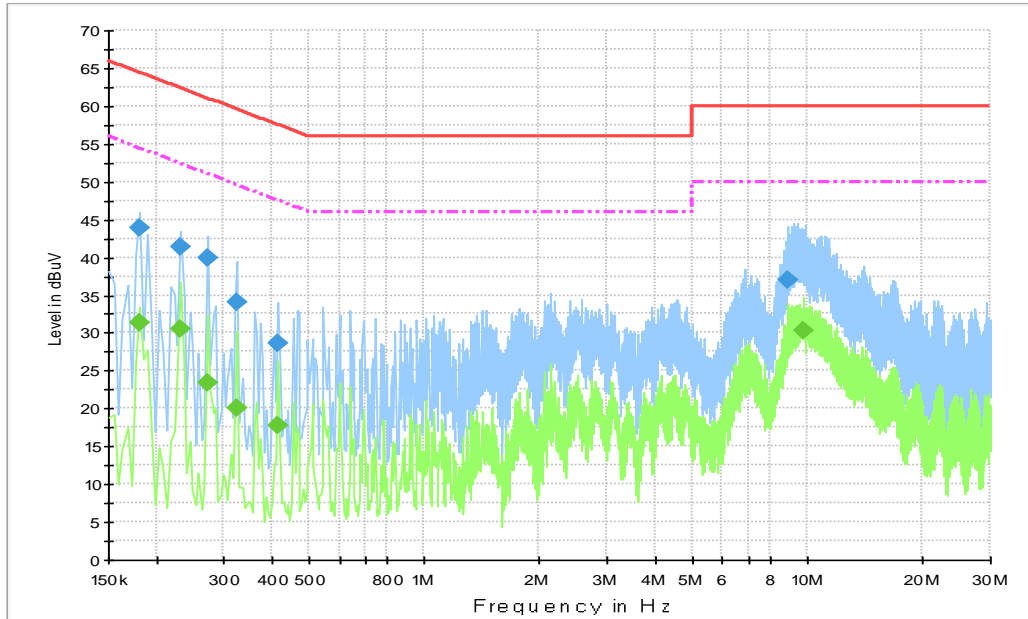


Fig.58 AC Powerline Conducted Emission-Traffic

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

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.181500	43.9	3000.	9.000	L1	19.8	20.5	64.4
0.231000	41.3	3000.	9.000	L1	19.8	21.1	62.4
0.271500	39.9	3000.	9.000	N	19.8	21.2	61.1
0.325500	34.0	3000.	9.000	L1	19.7	25.6	59.6
0.415500	28.7	3000.	9.000	N	19.8	28.9	57.5
8.898000	37.0	3000.	9.000	N	19.7	23.0	60.0

Final Result 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.181500	31.2	3000.0	9.000	N	19.8	23.2	54.4
0.231000	30.6	3000.0	9.000	N	19.8	21.8	52.4
0.271500	23.4	3000.0	9.000	N	19.8	27.7	51.1
0.325500	20.1	3000.0	9.000	L1	19.7	29.5	49.6
0.415500	17.7	3000.0	9.000	N	19.8	29.8	47.5
9.789000	30.2	3000.0	9.000	N	19.8	19.8	50.0

Idle

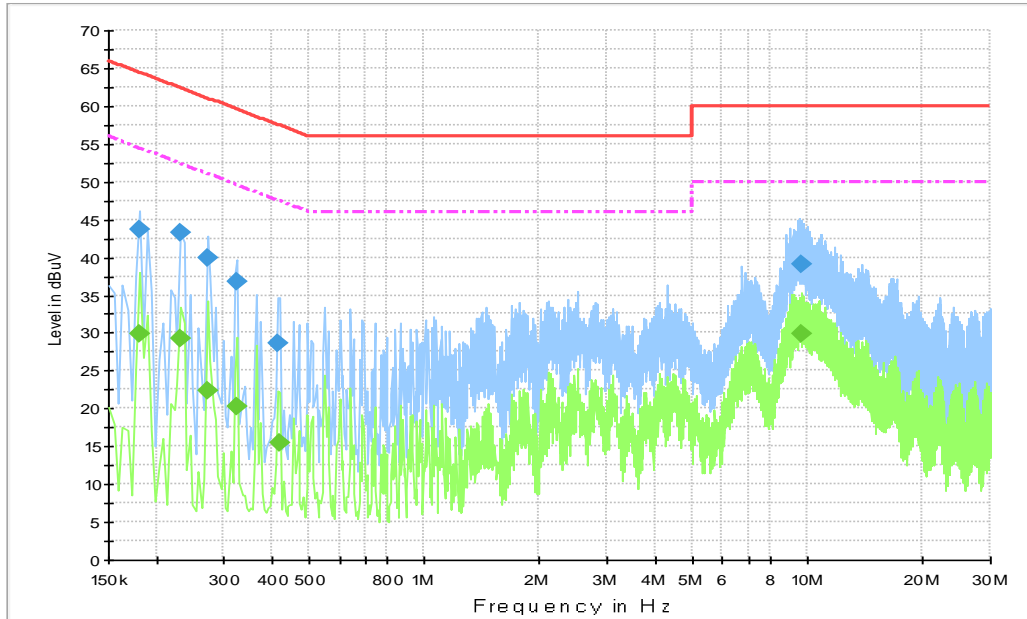


Fig.59 AC Powerline Conducted Emission-Idle

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)
0.181500	43.7	3000.	9.000	L1	19.8	20.7	64.4
0.231000	43.2	3000.	9.000	N	19.8	19.2	62.4
0.271500	39.8	3000.	9.000	N	19.8	21.2	61.1
0.325500	36.7	3000.	9.000	N	19.7	22.9	59.6
0.415500	28.5	3000.	9.000	N	19.8	29.0	57.5
9.627000	39.2	3000.	9.000	N	19.8	20.8	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.181500	29.9	3000.0	9.000	L1	19.8	24.5	54.4
0.231000	29.2	3000.0	9.000	L1	19.8	23.2	52.4
0.271500	22.4	3000.0	9.000	L1	19.8	28.7	51.1
0.325500	20.2	3000.0	9.000	L1	19.7	29.3	49.6
0.420000	15.5	3000.0	9.000	N	19.8	31.9	47.4
9.640500	29.9	3000.0	9.000	L1	19.8	20.1	50.0

Note: The measurement results showed here are worst cases of the combination of different AE.

A.8. 99% Occupied bandwidth

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

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

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.60	17.92	P
	5200 MHz	Fig.61	18.12	P
	5240 MHz	Fig.62	18.04	P
802.11n HT20	5180 MHz	Fig.63	18.40	P
	5200 MHz	Fig.64	18.48	P
	5240 MHz	Fig.65	18.44	P
802.11n HT40	5190 MHz	Fig.66	36.32	P
	5230 MHz	Fig.67	36.32	P
802.11ac HT80	5210 MHz	Fig.68	75.20	P

Conclusion: PASS
Test graphs as below:

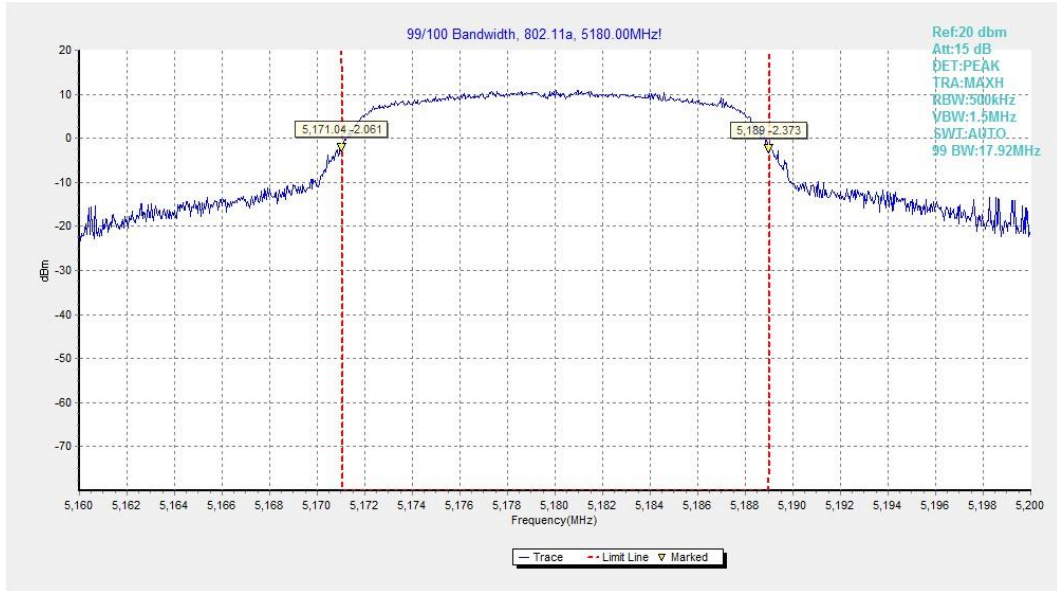


Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)

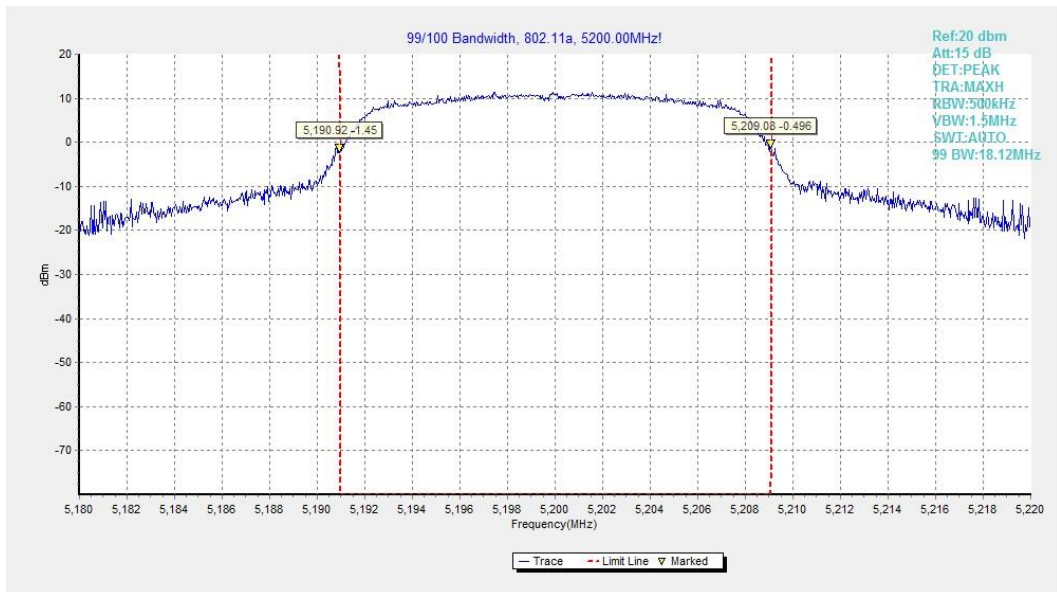


Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)

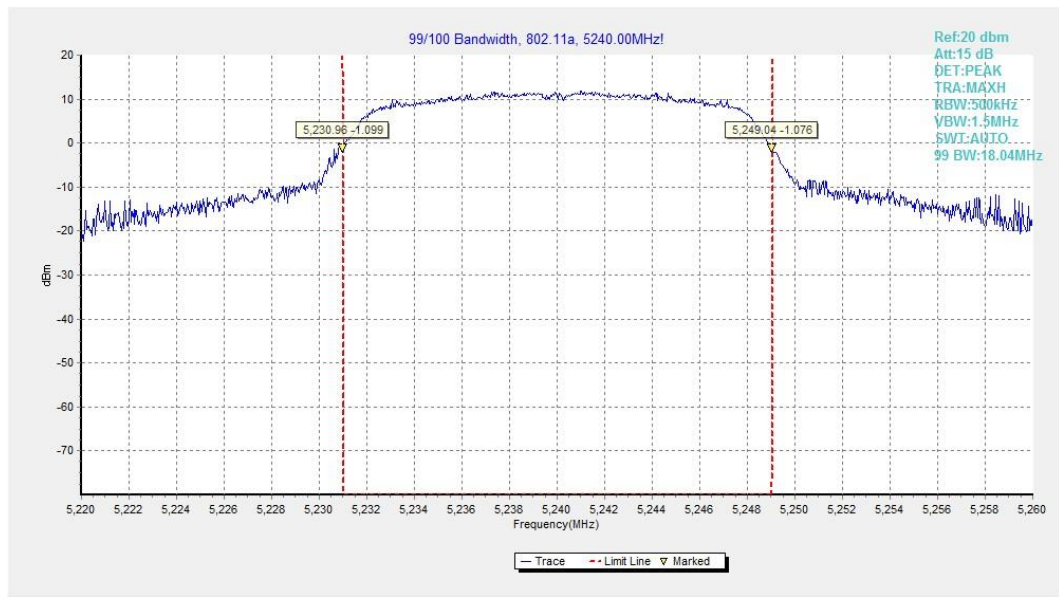


Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)

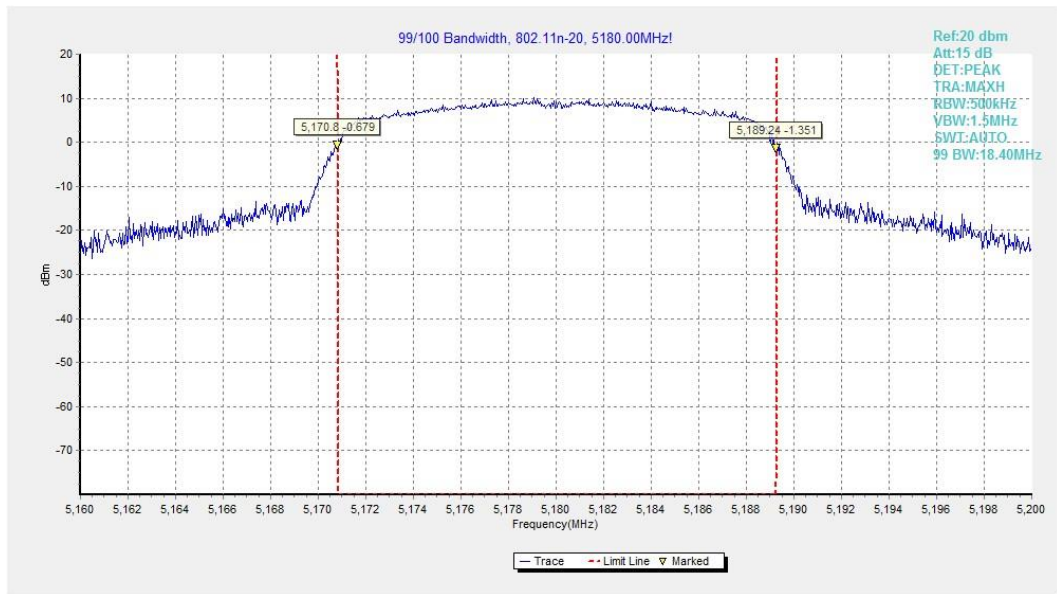


Fig.63 99% Occupied bandwidth (802.11n-HT20, 5180MHz)



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



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

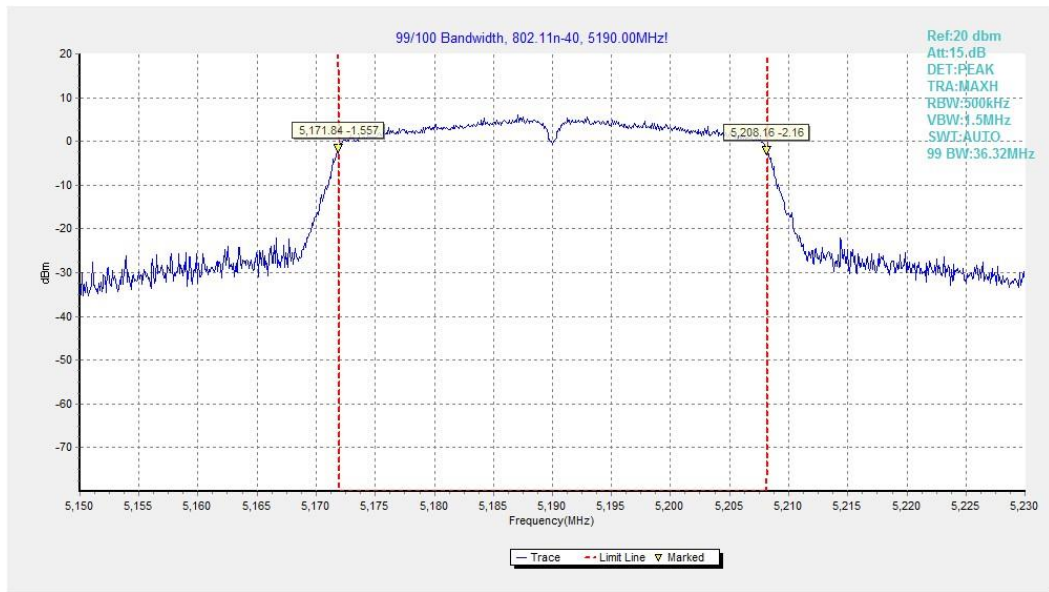


Fig.66 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

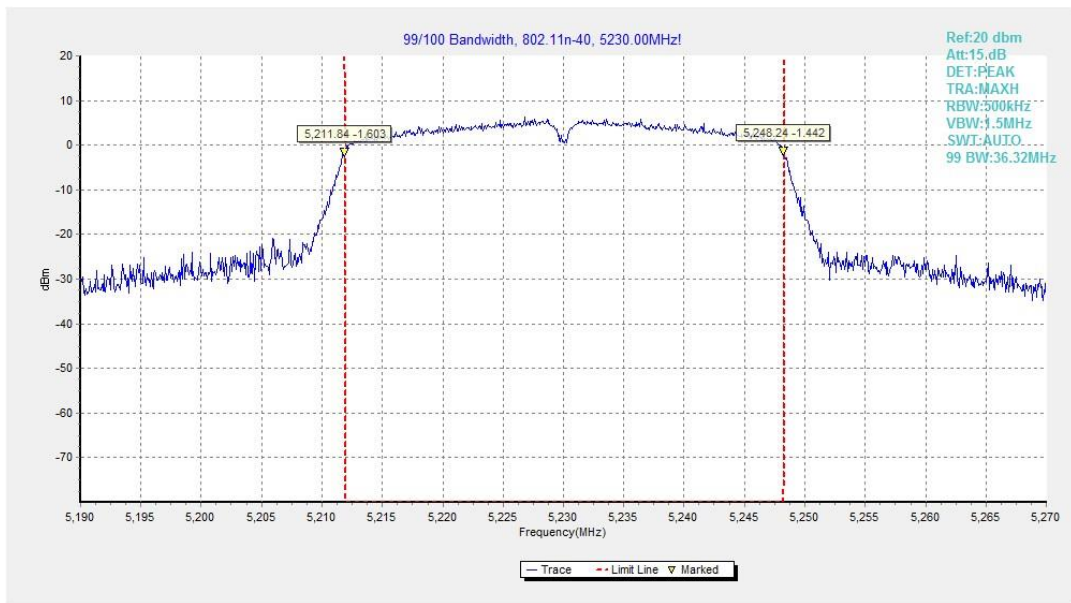


Fig.67 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

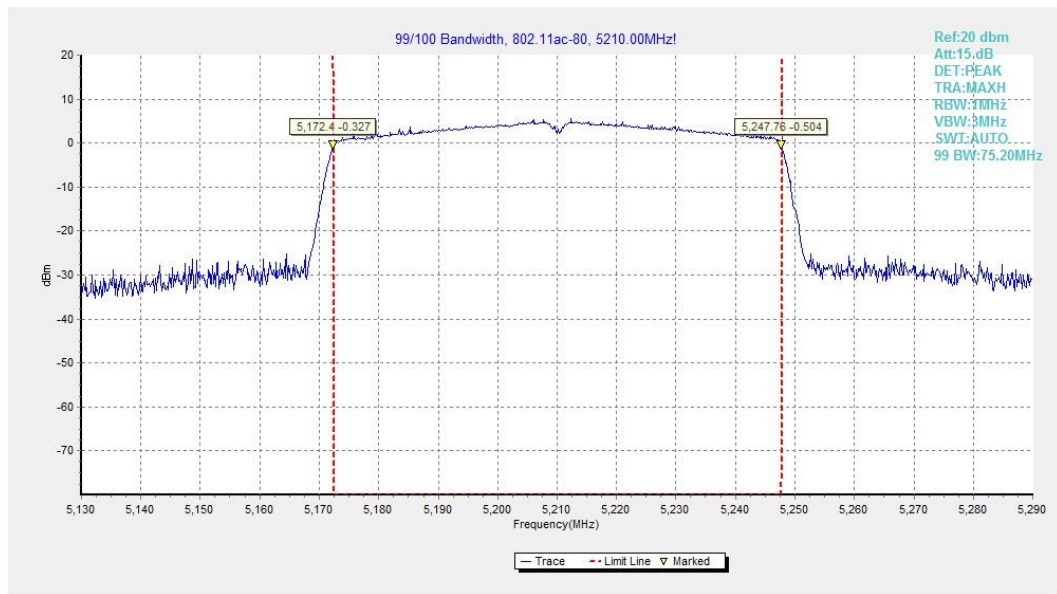


Fig.68 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

A.9. Power control

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

ANNEX B: EUT parameters

Disclaimer: The antenna gain 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

<p>United States Department of Commerce National Institute of Standards and Technology</p>  	
<hr/> Certificate of Accreditation to ISO/IEC 17025:2017 <hr/>	
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>	
<hr/> 2022-10-01 through 2023-09-30 <i>Effective Dates</i>	 <hr/> <i>[Signature]</i> <i>For the National Voluntary Laboratory Accreditation Program</i>

*** END OF REPORT BODY ***