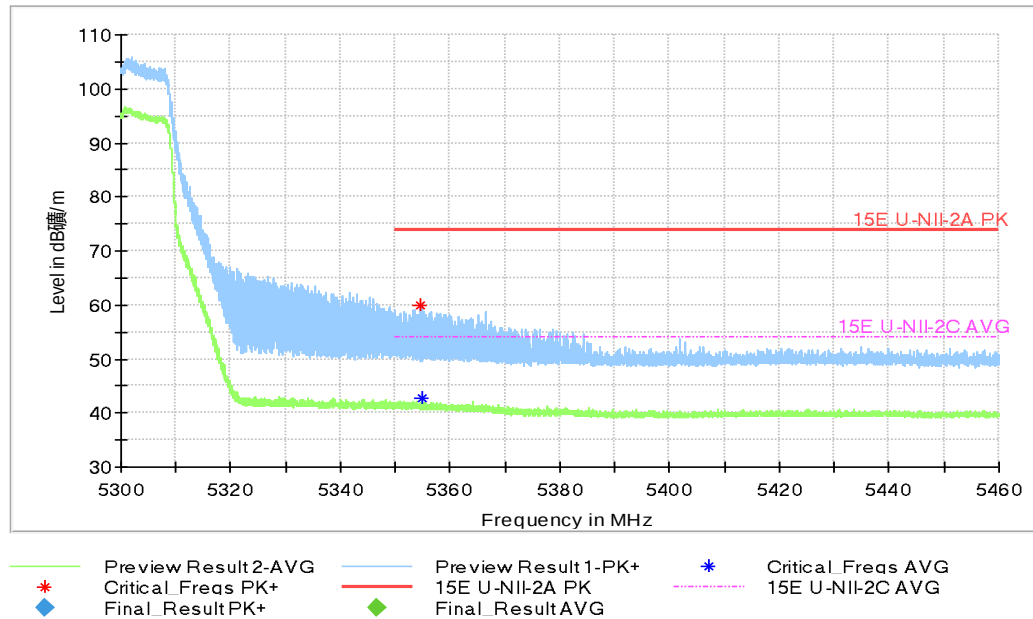


Fig.76 Band Edges (802.11ac 20MHz, CH40, 5200MHz)

Full Spectrum


Fig.77 Band Edges (802.11ac 20MHz, CH60, 5300MHz)

Full Spectrum

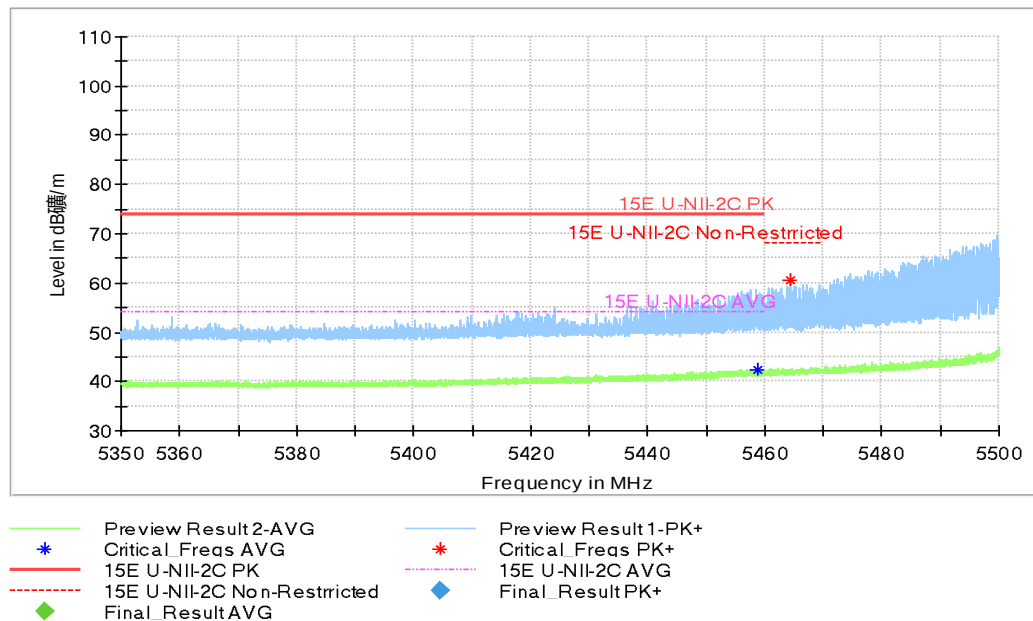
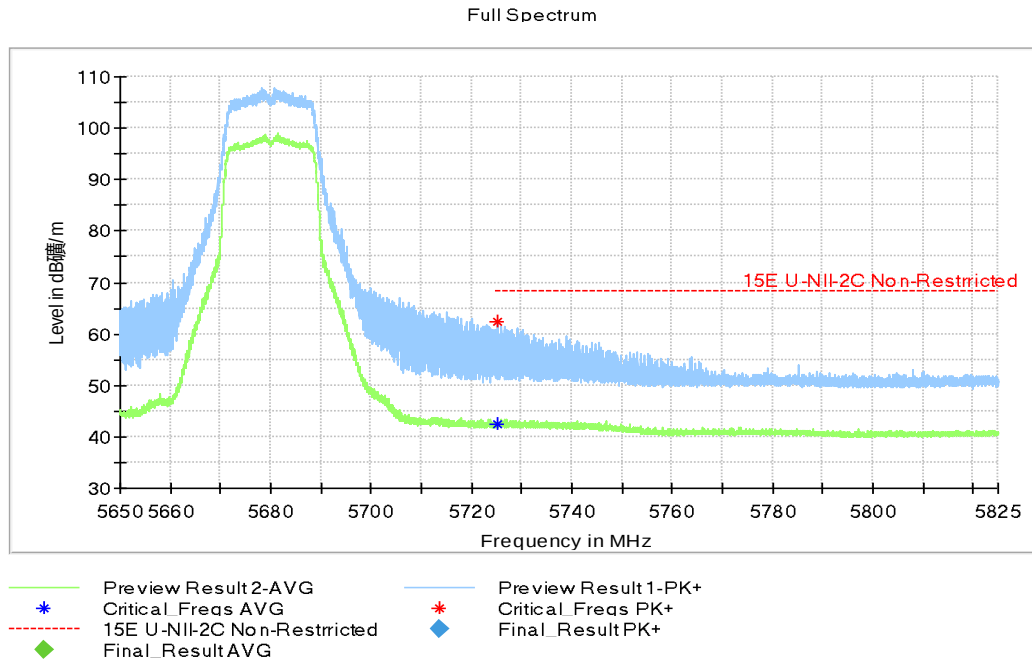
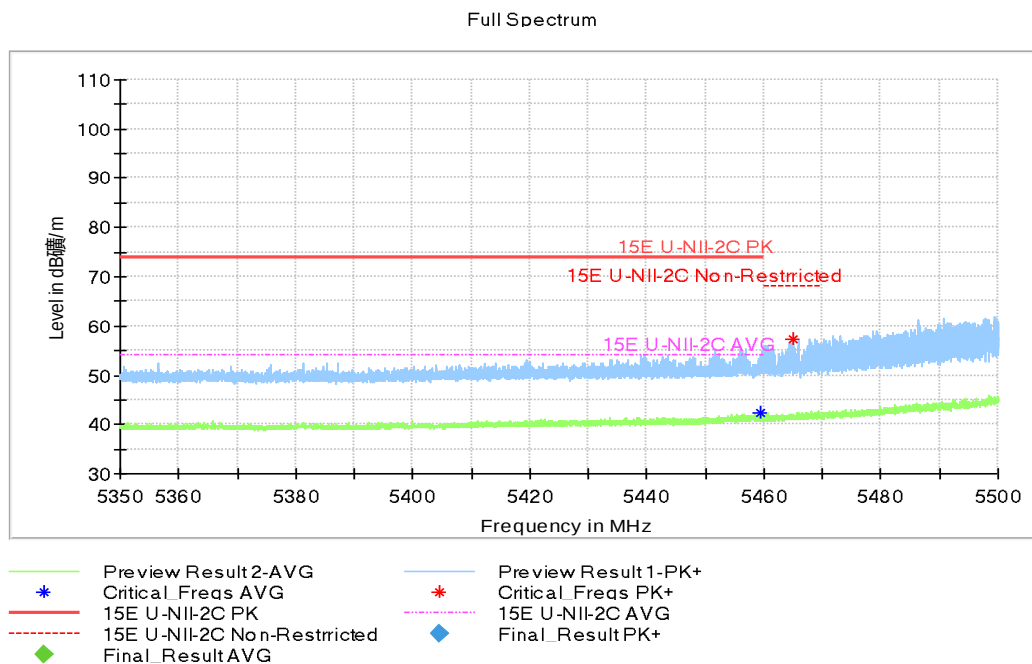


Fig.78 Band Edges (802.11ac 20MHz, CH104, 5520MHz)

Fig.79 Band Edges (802.11ac 20MHz, CH136, 5680MHz)

Fig.80 Band Edges (802.11n 40MHz, CH110, 5550MHz)

Full Spectrum

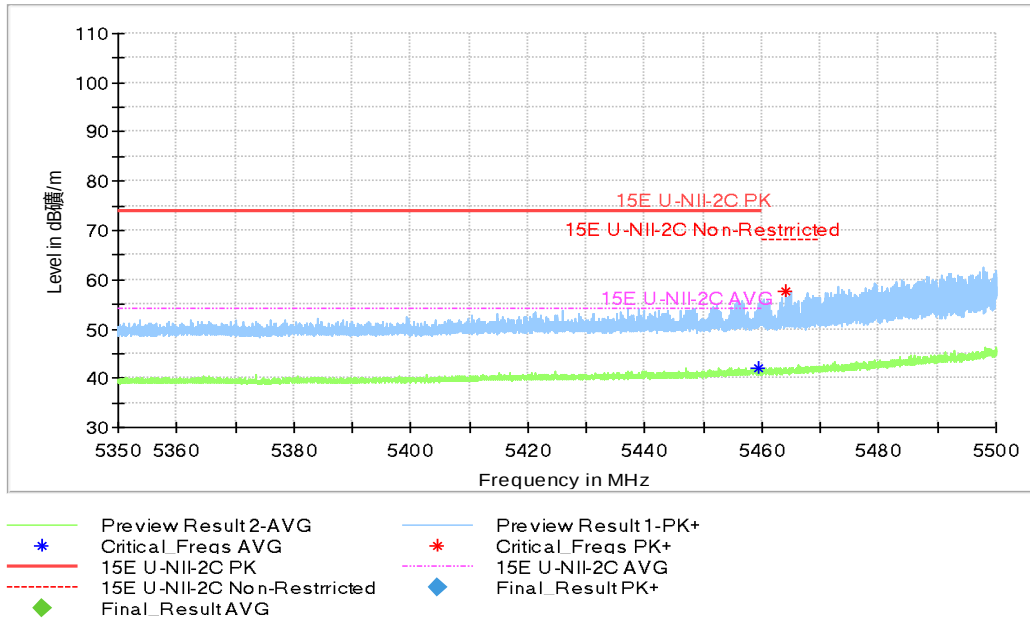


Fig.81 Band Edges (802.11ac 40MHz, CH110, 5550MHz)

A.7. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength(dBμV/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

Measurement uncertainty:

Expanded measurement uncertainty for this test item is $U = 3.9\text{dB}$, $k=2$.

Measurement Results:

EUT ID: UT22a + AE2-1 + AE1-3

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result= $P_{Mea}+A_{Rpl}= P_{Mea}+Cable\ Loss+Antenna\ Factor$

AVERAGE Results:
802.11a
Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17932.900	40.64	-25.50	46.66	19.48	54.00	13.36	H
17971.400	40.50	-25.50	46.66	19.34	54.00	13.50	V
14495.950	37.59	-28.59	42.46	23.72	54.00	16.41	H
13322.800	37.50	-29.49	39.71	27.28	54.00	16.50	H
5146.780	43.73	-27.61	33.67	37.67	54.00	10.27	H
5148.980	43.44	-27.61	33.67	37.38	54.00	10.56	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)
17936.750	40.62	-25.50	46.66	19.46	54.00	13.38	V
17996.150	40.55	-25.50	46.66	19.39	54.00	13.45	H
13293.650	37.70	-29.49	39.71	27.48	54.00	16.30	V
14489.350	37.52	-28.59	42.46	23.65	54.00	16.48	V
11402.750	36.31	-32.42	38.79	29.94	54.00	17.69	H
11869.700	36.28	-31.85	39.05	29.08	54.00	17.72	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)
17944.450	40.86	-25.50	46.66	19.70	54.00	13.14	H
17997.250	40.82	-25.50	46.66	19.66	54.00	13.18	V
14480.550	37.56	-28.59	42.46	23.69	54.00	16.44	H
14497.600	37.56	-28.59	42.46	23.69	54.00	16.44	V
11292.200	36.46	-32.36	38.77	30.06	54.00	17.54	V
11860.900	36.39	-31.85	39.05	29.19	54.00	17.61	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)
17924.650	40.69	-25.50	46.66	19.53	54.00	13.31	V
17898.800	40.52	-25.50	46.66	19.36	54.00	13.48	V
14493.750	37.68	-28.59	42.46	23.81	54.00	16.32	H
14483.850	37.56	-28.59	42.46	23.69	54.00	16.44	V
11787.750	36.40	-31.99	38.98	29.41	54.00	17.60	H
11785.550	36.39	-31.99	38.98	29.40	54.00	17.61	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)
17943.900	40.94	-25.50	46.66	19.78	54.00	13.06	V
17924.650	40.66	-25.50	46.66	19.50	54.00	13.34	V
13292.550	37.76	-29.49	39.71	27.54	54.00	16.24	V
14489.350	37.63	-28.59	42.46	23.76	54.00	16.37	H
11821.300	36.56	-31.85	39.05	29.36	54.00	17.44	V
11868.600	36.54	-31.85	39.05	29.34	54.00	17.46	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)
17938.400	40.58	-25.50	46.66	19.42	54.00	13.42	V
17951.050	40.51	-25.50	46.66	19.35	54.00	13.49	H
14499.800	38.03	-28.59	42.46	24.16	54.00	15.97	V
14491.550	37.55	-28.59	42.46	23.68	54.00	16.45	V
5353.584	43.33	-27.43	34.01	36.75	54.00	10.67	H
5358.848	42.95	-27.43	34.01	36.37	54.00	11.05	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)
17964.800	40.58	-25.50	46.66	19.42	54.00	13.42	V
17921.350	40.52	-25.50	46.66	19.36	54.00	13.48	V
13314.550	37.92	-29.49	39.71	27.70	54.00	16.08	H
13327.200	37.87	-29.49	39.71	27.65	54.00	16.13	H
5458.645	42.25	-27.18	34.17	35.26	54.00	11.75	H
5456.665	42.22	-27.18	34.17	35.23	54.00	11.78	H

Channel 116

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17957.100	40.65	-25.50	46.66	19.49	54.00	13.35	V
17923.550	40.62	-25.50	46.66	19.46	54.00	13.38	V
14493.750	37.97	-28.59	42.46	24.10	54.00	16.03	H
13322.800	37.85	-29.49	39.71	27.63	54.00	16.15	H
11874.100	36.58	-31.85	39.05	29.38	54.00	17.42	V
11790.500	36.56	-31.99	38.98	29.57	54.00	17.44	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)
17960.400	40.95	-25.50	46.66	19.79	54.00	13.05	H
17934.000	40.88	-25.50	46.66	19.72	54.00	13.12	V
13325.000	37.78	-29.49	39.71	27.56	54.00	16.22	H
14481.100	37.66	-28.59	42.46	23.79	54.00	16.34	V
11800.400	36.66	-31.85	39.05	29.46	54.00	17.34	H
10865.400	36.57	-32.33	38.59	30.31	54.00	17.43	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)
17937.300	40.57	-25.50	46.66	19.41	54.00	13.43	V
17953.800	40.53	-25.50	46.66	19.37	54.00	13.47	V
13294.200	37.21	-29.49	39.71	26.99	54.00	16.79	H
13323.900	37.18	-29.49	39.71	26.96	54.00	16.82	V
11817.450	36.33	-31.85	39.05	29.13	54.00	17.67	V
11798.750	36.29	-31.85	39.05	29.09	54.00	17.71	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)
17973.050	41.16	-25.50	46.66	20.00	54.00	12.84	V
17945.000	40.61	-25.50	46.66	19.45	54.00	13.39	V
13331.600	37.39	-29.49	39.71	27.17	54.00	16.61	V
13292.000	37.28	-29.49	39.71	27.06	54.00	16.72	H
5148.300	43.40	-27.61	33.67	37.34	54.00	10.60	H
5142.860	43.16	-27.61	33.67	37.10	54.00	10.84	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	40.71	-25.50	46.66	19.55	54.00	13.29	H
17930.150	40.60	-25.50	46.66	19.44	54.00	13.40	V
14495.950	37.75	-28.59	42.46	23.88	54.00	16.25	H
14498.700	37.54	-28.59	42.46	23.67	54.00	16.46	H
11784.450	36.43	-31.99	38.98	29.44	54.00	17.57	V
11776.200	36.41	-31.99	38.98	29.42	54.00	17.59	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)
17978.000	40.53	-25.50	46.66	19.37	54.00	13.47	H
17982.950	40.51	-25.50	46.66	19.35	54.00	13.49	V
13267.800	37.52	-29.67	39.55	27.64	54.00	16.48	H
13341.500	37.42	-29.49	39.71	27.20	54.00	16.58	V
11403.850	36.62	-32.42	38.79	30.25	54.00	17.38	H
10722.400	36.32	-32.77	38.49	30.60	54.00	17.68	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)
17980.750	40.58	-25.50	46.66	19.42	54.00	13.42	V
17962.600	40.55	-25.50	46.66	19.39	54.00	13.45	V
14497.600	37.74	-28.59	42.46	23.87	54.00	16.26	H
14491.000	37.48	-28.59	42.46	23.61	54.00	16.52	V
11875.200	36.52	-31.85	39.05	29.32	54.00	17.48	V
11877.950	36.35	-31.85	39.05	29.15	54.00	17.65	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)
17991.200	40.83	-25.50	46.66	19.67	54.00	13.17	H
17960.950	40.80	-25.50	46.66	19.64	54.00	13.20	H
14487.700	37.54	-28.59	42.46	23.67	54.00	16.46	V
14498.700	37.54	-28.59	42.46	23.67	54.00	16.46	H
11869.700	36.38	-31.85	39.05	29.18	54.00	17.62	V
11779.500	36.27	-31.99	38.98	29.28	54.00	17.73	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)
17958.750	40.70	-25.50	46.66	19.54	54.00	13.30	V
17946.650	40.55	-25.50	46.66	19.39	54.00	13.45	V
13281.550	37.69	-29.67	39.55	27.81	54.00	16.31	H
13334.900	37.68	-29.49	39.71	27.46	54.00	16.32	H
5351.552	42.71	-27.43	34.01	36.13	54.00	11.29	H
5354.048	42.63	-27.43	34.01	36.05	54.00	11.37	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)
17935.650	40.61	-25.50	46.66	19.45	54.00	13.39	H
17920.250	40.47	-25.50	46.66	19.31	54.00	13.53	V
14494.850	37.61	-28.59	42.46	23.74	54.00	16.39	V
13340.400	37.57	-29.49	39.71	27.35	54.00	16.43	H
5455.960	42.18	-27.18	34.17	35.19	54.00	11.82	H
5454.025	42.12	-27.18	34.17	35.13	54.00	11.88	H

Channel 116

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17952.700	40.85	-25.50	46.66	19.69	54.00	13.15	H
17954.900	40.73	-25.50	46.66	19.57	54.00	13.27	V
14497.600	37.65	-28.59	42.46	23.78	54.00	16.35	H
14493.200	37.52	-28.59	42.46	23.65	54.00	16.48	V
11852.650	36.62	-31.85	39.05	29.42	54.00	17.38	H
11855.400	36.49	-31.85	39.05	29.29	54.00	17.51	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)
17915.300	40.65	-25.50	46.66	19.49	54.00	13.35	H
17992.850	40.59	-25.50	46.66	19.43	54.00	13.41	H
14491.550	37.61	-28.59	42.46	23.74	54.00	16.39	H
13314.550	37.58	-29.49	39.71	27.36	54.00	16.42	H
11791.050	36.60	-31.99	38.98	29.61	54.00	17.40	V
11792.700	36.56	-31.99	38.98	29.57	54.00	17.44	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)
17976.900	40.69	-25.50	46.66	19.53	54.00	13.31	H
17978.000	40.57	-25.50	46.66	19.41	54.00	13.43	H
13287.050	37.09	-29.67	39.55	27.21	54.00	16.91	H
13296.400	37.03	-29.49	39.71	26.81	54.00	16.97	H
11844.950	36.05	-31.85	39.05	28.85	54.00	17.95	V
11853.750	36.04	-31.85	39.05	28.84	54.00	17.96	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	40.98	-25.50	46.66	19.82	54.00	13.02	V
17908.150	40.80	-25.50	46.66	19.64	54.00	13.20	H
14497.600	37.95	-28.59	42.46	24.08	54.00	16.05	V
13310.700	37.53	-29.49	39.71	27.31	54.00	16.47	H
5148.900	44.05	-27.61	33.67	37.99	54.00	9.95	H
5146.940	43.96	-27.61	33.67	37.90	54.00	10.04	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)
17996.700	40.78	-25.50	46.66	19.62	54.00	13.22	V
17906.500	40.64	-25.50	46.66	19.48	54.00	13.36	V
14492.650	37.65	-28.59	42.46	23.78	54.00	16.35	H
14470.100	37.53	-28.59	42.46	23.66	54.00	16.47	H
11784.450	36.47	-31.99	38.98	29.48	54.00	17.53	H
11386.800	36.33	-32.42	38.79	29.96	54.00	17.67	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)
17951.050	40.63	-25.50	46.66	19.47	54.00	13.37	V
17907.050	40.57	-25.50	46.66	19.41	54.00	13.43	V
13317.850	37.54	-29.49	39.71	27.32	54.00	16.46	V
13292.550	37.53	-29.49	39.71	27.31	54.00	16.47	H
10861.550	36.63	-32.33	38.59	30.37	54.00	17.37	H
11847.700	36.62	-31.85	39.05	29.42	54.00	17.38	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)
17941.700	40.58	-25.50	46.66	19.42	54.00	13.42	H
17974.150	40.52	-25.50	46.66	19.36	54.00	13.48	H
13326.100	38.06	-29.49	39.71	27.84	54.00	15.94	H
14498.150	37.76	-28.59	42.46	23.89	54.00	16.24	H
5359.824	42.47	-27.43	34.01	35.89	54.00	11.53	H
5350.704	42.44	-27.43	34.01	35.86	54.00	11.56	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)
17978.000	40.85	-25.50	46.66	19.69	54.00	13.15	V
17985.150	40.77	-25.50	46.66	19.61	54.00	13.23	V
14495.400	37.85	-28.59	42.46	23.98	54.00	16.15	V
14488.250	37.52	-28.59	42.46	23.65	54.00	16.48	H
5459.695	44.36	-27.18	34.17	37.37	54.00	9.64	H
5458.810	44.26	-27.18	34.17	37.27	54.00	9.74	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)
17987.350	40.52	-25.50	46.66	19.36	54.00	13.48	V
17947.200	40.50	-25.50	46.66	19.34	54.00	13.50	H
14493.750	37.58	-28.59	42.46	23.71	54.00	16.42	V
14483.850	37.54	-28.59	42.46	23.67	54.00	16.46	H
11860.900	36.56	-31.85	39.05	29.36	54.00	17.44	V
11887.850	36.50	-31.85	39.05	29.30	54.00	17.50	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)
17953.250	40.68	-25.50	46.66	19.52	54.00	13.32	H
17985.150	40.61	-25.50	46.66	19.45	54.00	13.39	V
14483.300	37.45	-28.59	42.46	23.58	54.00	16.55	V
14482.200	37.43	-28.59	42.46	23.56	54.00	16.57	V
11796.550	36.80	-31.85	39.05	29.60	54.00	17.20	H
11855.400	36.55	-31.85	39.05	29.35	54.00	17.45	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)
17936.750	40.57	-25.50	46.66	19.41	54.00	13.43	V
17959.850	40.42	-25.50	46.66	19.26	54.00	13.58	H
13281.000	36.94	-29.67	39.55	27.06	54.00	17.06	H
13264.500	36.92	-29.67	39.55	27.04	54.00	17.08	V
11764.100	35.94	-31.99	38.98	28.95	54.00	18.06	H
11742.100	35.72	-31.99	38.98	28.73	54.00	18.28	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)
17953.250	40.71	-25.50	46.66	19.55	54.00	13.29	H
17910.900	40.67	-25.50	46.66	19.51	54.00	13.33	V
14491.550	37.73	-28.59	42.46	23.86	54.00	16.27	H
14490.450	37.63	-28.59	42.46	23.76	54.00	16.37	H
5148.920	43.58	-27.61	33.67	37.52	54.00	10.42	H
5149.760	43.48	-27.61	33.67	37.42	54.00	10.52	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)
17981.850	40.68	-25.50	46.66	19.52	54.00	13.32	H
17991.200	40.67	-25.50	46.66	19.51	54.00	13.33	H
13332.150	37.76	-29.49	39.71	27.54	54.00	16.24	H
14476.150	37.42	-28.59	42.46	23.55	54.00	16.58	H
11789.950	36.41	-31.99	38.98	29.42	54.00	17.59	V
11799.850	36.38	-31.85	39.05	29.18	54.00	17.62	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)
17952.150	40.63	-25.50	46.66	19.47	54.00	13.37	H
17954.900	40.57	-25.50	46.66	19.41	54.00	13.43	V
14498.150	37.77	-28.59	42.46	23.90	54.00	16.23	V
14492.650	37.53	-28.59	42.46	23.66	54.00	16.47	V
11783.350	36.45	-31.99	38.98	29.46	54.00	17.55	V
11789.950	36.19	-31.99	38.98	29.20	54.00	17.81	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)
17923.550	40.53	-25.50	46.66	19.37	54.00	13.47	H
17981.300	40.46	-25.50	46.66	19.30	54.00	13.54	H
14497.600	37.53	-28.59	42.46	23.66	54.00	16.47	H
14491.550	37.48	-28.59	42.46	23.61	54.00	16.52	V
11769.050	36.61	-31.99	38.98	29.62	54.00	17.39	H
10858.800	36.37	-32.33	38.59	30.11	54.00	17.63	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)
17983.500	40.83	-25.50	46.66	19.67	54.00	13.17	H
17989.550	40.81	-25.50	46.66	19.65	54.00	13.19	V
13323.900	37.62	-29.49	39.71	27.40	54.00	16.38	H
14493.200	37.61	-28.59	42.46	23.74	54.00	16.39	H
10863.200	36.35	-32.33	38.59	30.09	54.00	17.65	H
11855.950	36.35	-31.85	39.05	29.15	54.00	17.65	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)
17912.550	40.64	-25.50	46.66	19.48	54.00	13.36	H
17986.800	40.52	-25.50	46.66	19.36	54.00	13.48	V
14498.700	37.80	-28.59	42.46	23.93	54.00	16.20	H
14499.800	37.64	-28.59	42.46	23.77	54.00	16.36	H
5352.496	42.87	-27.43	34.01	36.29	54.00	11.13	H
5350.688	42.68	-27.43	34.01	36.10	54.00	11.32	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)
17961.500	40.64	-25.50	46.66	19.48	54.00	13.36	H
17931.800	40.60	-25.50	46.66	19.44	54.00	13.40	H
14480.550	37.59	-28.59	42.46	23.72	54.00	16.41	H
14482.200	37.53	-28.59	42.46	23.66	54.00	16.47	V
5458.540	42.01	-27.18	34.17	35.02	54.00	11.99	H
5455.420	41.95	-27.18	34.17	34.96	54.00	12.05	H

Channel 116

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17924.650	40.72	-25.50	46.66	19.56	54.00	13.28	V
17960.400	40.63	-25.50	46.66	19.47	54.00	13.37	V
14477.800	37.66	-28.59	42.46	23.79	54.00	16.34	V
14471.200	37.59	-28.59	42.46	23.72	54.00	16.41	V
11781.150	37.04	-31.99	38.98	30.05	54.00	16.96	H
11869.150	36.60	-31.85	39.05	29.40	54.00	17.40	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)
17907.600	40.89	-25.50	46.66	19.73	54.00	13.11	H
17934.550	40.77	-25.50	46.66	19.61	54.00	13.23	H
14492.650	37.71	-28.59	42.46	23.84	54.00	16.29	V
14491.550	37.55	-28.59	42.46	23.68	54.00	16.45	V
11787.750	36.71	-31.99	38.98	29.72	54.00	17.29	V
11313.650	36.39	-32.36	38.77	29.99	54.00	17.61	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.400	40.70	-25.50	46.66	19.54	54.00	13.30	V
17963.150	40.68	-25.50	46.66	19.52	54.00	13.32	V
13282.100	37.14	-29.67	39.55	27.26	54.00	16.86	H
13287.050	37.13	-29.67	39.55	27.25	54.00	16.87	V
11242.700	35.93	-32.36	38.77	29.53	54.00	18.07	H
7626.450	35.85	-34.66	36.92	33.59	54.00	18.15	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)
17918.050	40.79	-25.50	46.66	19.63	54.00	13.21	V
17965.350	40.65	-25.50	46.66	19.49	54.00	13.35	H
14497.600	37.49	-28.59	42.46	23.62	54.00	16.51	V
14484.950	37.47	-28.59	42.46	23.60	54.00	16.53	V
5147.720	44.23	-27.61	33.67	38.17	54.00	9.77	H
5149.080	43.87	-27.61	33.67	37.81	54.00	10.13	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)
17932.350	41.02	-25.50	46.66	19.86	54.00	12.98	V
17939.500	40.69	-25.50	46.66	19.53	54.00	13.31	V
14483.300	37.66	-28.59	42.46	23.79	54.00	16.34	H
14499.800	37.48	-28.59	42.46	23.61	54.00	16.52	H
11875.200	37.12	-31.85	39.05	29.92	54.00	16.88	H
11454.450	36.77	-32.26	38.84	30.20	54.00	17.23	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)
17908.150	40.61	-25.50	46.66	19.45	54.00	13.39	H
17909.250	40.51	-25.50	46.66	19.35	54.00	13.49	V
13327.200	37.67	-29.49	39.71	27.45	54.00	16.33	H
14490.450	37.57	-28.59	42.46	23.70	54.00	16.43	H
10857.150	36.75	-32.33	38.59	30.49	54.00	17.25	V
11868.050	36.42	-31.85	39.05	29.22	54.00	17.58	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)
17902.650	40.78	-25.50	46.66	19.62	54.00	13.22	V
17935.650	40.61	-25.50	46.66	19.45	54.00	13.39	H
13306.300	37.47	-29.49	39.71	27.25	54.00	16.53	V
14499.250	37.38	-28.59	42.46	23.51	54.00	16.62	H
5353.552	43.35	-27.43	34.01	36.77	54.00	10.65	H
5351.072	43.16	-27.43	34.01	36.58	54.00	10.84	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17980.200	40.82	-25.50	46.66	19.66	54.00	13.18	H
17926.850	40.62	-25.50	46.66	19.46	54.00	13.38	V
14489.900	37.97	-28.59	42.46	24.10	54.00	16.03	V
14493.200	37.68	-28.59	42.46	23.81	54.00	16.32	V
5453.845	43.58	-27.18	34.17	36.59	54.00	10.42	H
5456.860	43.58	-27.18	34.17	36.59	54.00	10.42	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)
17946.650	40.85	-25.50	46.66	19.69	54.00	13.15	H
17921.900	40.79	-25.50	46.66	19.63	54.00	13.21	H
13306.850	37.67	-29.49	39.71	27.45	54.00	16.33	H
14477.250	37.54	-28.59	42.46	23.67	54.00	16.46	V
10875.850	36.74	-32.33	38.59	30.48	54.00	17.26	V
11795.450	36.67	-31.85	39.05	29.47	54.00	17.33	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)
17970.300	41.04	-25.50	46.66	19.88	54.00	12.96	H
17963.700	40.64	-25.50	46.66	19.48	54.00	13.36	H
13316.200	37.58	-29.49	39.71	27.36	54.00	16.42	V
13324.450	37.55	-29.49	39.71	27.33	54.00	16.45	H
11787.750	36.58	-31.99	38.98	29.59	54.00	17.42	H
11875.200	36.45	-31.85	39.05	29.25	54.00	17.55	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)
17994.500	40.59	-25.50	46.66	19.43	54.00	13.41	H
17935.650	40.42	-25.50	46.66	19.26	54.00	13.58	H
13279.900	37.13	-29.67	39.55	27.25	54.00	16.87	V
13305.750	37.07	-29.49	39.71	26.85	54.00	16.93	V
7613.250	36.88	-34.66	36.92	34.62	54.00	17.12	H
7612.700	36.24	-35.04	36.87	34.41	54.00	17.76	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)
17947.750	41.04	-25.50	46.66	19.88	54.00	12.96	H
17950.500	40.62	-25.50	46.66	19.46	54.00	13.38	H
14481.100	37.42	-28.59	42.46	23.55	54.00	16.58	H
14488.250	37.38	-28.59	42.46	23.51	54.00	16.62	V
5137.760	45.28	-27.61	33.67	39.22	54.00	8.72	H
5137.860	45.06	-27.61	33.67	39.00	54.00	8.94	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)
17948.850	40.74	-25.50	46.66	19.58	54.00	13.26	H
17923.550	40.68	-25.50	46.66	19.52	54.00	13.32	V
14485.500	37.51	-28.59	42.46	23.64	54.00	16.49	H
13291.450	37.44	-29.49	39.71	27.22	54.00	16.56	V
5355.008	42.81	-27.43	34.01	36.23	54.00	11.19	H
5350.704	42.80	-27.43	34.01	36.22	54.00	11.20	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)
17998.900	40.99	-25.50	46.66	19.83	54.00	13.01	V
17901.550	40.77	-25.50	46.66	19.61	54.00	13.23	H
14499.250	37.70	-28.59	42.46	23.83	54.00	16.30	H
14498.150	37.67	-28.59	42.46	23.80	54.00	16.33	H
5432.755	47.87	-27.18	34.17	40.88	54.00	6.13	H
5432.605	47.63	-27.18	34.17	40.64	54.00	6.37	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)
17929.050	40.61	-25.50	46.66	19.45	54.00	13.39	H
17927.400	40.59	-25.50	46.66	19.43	54.00	13.41	H
13331.600	37.63	-29.49	39.71	27.41	54.00	16.37	H
13327.750	37.54	-29.49	39.71	27.32	54.00	16.46	H
11860.900	36.79	-31.85	39.05	29.59	54.00	17.21	H
11866.950	36.67	-31.85	39.05	29.47	54.00	17.33	V

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)
17970.850	40.51	-25.50	46.66	19.35	54.00	13.49	V
17957.100	40.38	-25.50	46.66	19.22	54.00	13.62	V
13292.000	37.33	-29.49	39.71	27.11	54.00	16.67	V
13304.650	37.04	-29.49	39.71	26.82	54.00	16.96	H
11836.700	35.92	-31.85	39.05	28.72	54.00	18.08	V
11795.450	35.77	-31.85	39.05	28.57	54.00	18.23	H

PEAK Results:
802.11a
Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17319.100	51.14	-25.95	44.35	32.73	68.20	17.06	H
17217.350	51.10	-25.95	44.35	32.69	68.20	17.10	V
13671.500	49.25	-29.50	40.43	38.32	68.20	18.95	H
14590.000	49.20	-27.29	41.90	34.59	68.20	19.00	V
5149.860	65.00	-27.61	33.67	58.94	74.00	9.00	H
5149.960	64.36	-27.61	33.67	58.30	74.00	9.64	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)
17947.200	51.72	-25.50	46.66	30.56	74.00	22.28	V
17135.400	51.50	-26.60	43.36	34.74	68.20	16.70	H
13728.700	49.28	-29.10	40.86	37.51	68.20	18.92	H
13648.400	49.11	-29.50	40.43	38.18	68.20	19.09	V
11837.250	47.10	-31.85	39.05	39.90	74.00	26.90	H
10791.700	47.03	-32.33	38.59	40.77	74.00	26.97	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)
17870.200	51.61	-25.50	46.66	30.45	74.00	22.39	V
17239.900	51.44	-25.95	44.35	33.03	68.20	16.76	V
13659.950	50.34	-29.50	40.43	39.41	68.20	17.86	H
13748.500	49.76	-29.10	40.86	37.99	68.20	18.44	V
10865.950	47.07	-32.33	38.59	40.81	74.00	26.93	V
11374.150	46.95	-32.42	38.79	40.58	74.00	27.05	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)
17913.100	51.55	-25.50	46.66	30.39	74.00	22.45	V
17382.900	51.40	-25.95	44.35	32.99	68.20	16.80	H
13708.900	49.91	-29.10	40.86	38.14	68.20	18.29	H
13828.800	49.46	-29.10	40.86	37.69	68.20	18.74	V
11243.800	47.15	-32.36	38.77	40.75	74.00	26.85	V
10474.350	46.90	-32.99	38.27	41.61	68.20	21.30	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)
17609.500	52.28	-25.74	45.95	32.07	68.20	15.92	H
17894.400	51.57	-25.50	46.66	30.41	74.00	22.43	V
14600.450	49.48	-27.29	41.90	34.87	68.20	18.72	V
14587.800	49.29	-27.29	41.90	34.68	68.20	18.91	H
11843.300	47.28	-31.85	39.05	40.08	74.00	26.72	V
11781.150	47.17	-31.99	38.98	40.18	74.00	26.83	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)
17936.200	51.74	-25.50	46.66	30.58	74.00	22.26	V
17357.050	51.40	-25.95	44.35	32.99	68.20	16.80	H
13757.300	49.23	-29.10	40.86	37.46	68.20	18.97	H
14494.850	49.05	-28.59	42.46	35.18	74.00	24.95	H
5351.424	63.29	-27.43	34.01	56.71	74.00	10.71	H
5350.336	63.26	-27.43	34.01	56.68	74.00	10.74	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)
16862.600	51.36	-26.62	41.49	36.49	68.20	16.84	V
17236.050	51.36	-25.95	44.35	32.95	68.20	16.84	V
13737.500	50.04	-29.10	40.86	38.27	68.20	18.16	H
13725.400	49.78	-29.10	40.86	38.01	68.20	18.42	H
5458.750	59.74	-27.18	34.17	52.75	74.00	14.26	H
5469.070	62.26	-27.18	34.17	55.27	68.20	5.94	H

Channel 116

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17901.000	51.90	-25.50	46.66	30.74	74.00	22.10	V
17995.050	51.82	-25.50	46.66	30.66	74.00	22.18	H
14125.800	49.60	-28.99	42.00	36.58	68.20	18.60	V
14129.650	49.49	-28.99	42.00	36.47	68.20	18.71	V
11816.350	47.34	-31.85	39.05	40.14	74.00	26.66	H
11869.150	47.31	-31.85	39.05	40.11	74.00	26.69	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)
17546.250	51.50	-26.85	45.25	33.10	68.20	16.70	H
17577.600	51.21	-25.74	45.95	31.00	68.20	16.99	H
14590.550	49.89	-27.29	41.90	35.28	68.20	18.31	H
13728.150	49.11	-29.10	40.86	37.34	68.20	19.09	V
5725.443	63.56	-27.07	34.31	56.32	68.20	4.64	H
5725.898	62.00	-27.07	34.31	54.76	68.20	6.20	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)
17417.000	51.87	-26.85	45.25	33.47	68.20	16.33	H
17588.050	51.51	-25.74	45.95	31.30	68.20	16.69	H
13785.350	49.20	-29.10	40.86	37.43	68.20	19.00	V
13799.100	49.06	-29.10	40.86	37.29	68.20	19.14	H
11753.650	47.19	-31.99	38.98	40.20	74.00	26.81	V
10861.000	47.16	-32.33	38.59	40.90	74.00	26.84	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)
17905.950	51.56	-25.50	46.66	30.40	74.00	22.44	V
17237.700	51.46	-25.95	44.35	33.05	68.20	16.74	V
13744.100	50.51	-29.10	40.86	38.74	68.20	17.69	H
13810.100	49.56	-29.10	40.86	37.79	68.20	18.64	H
5150.000	63.31	-27.61	33.67	57.25	74.00	10.69	H
5149.780	63.20	-27.61	33.67	57.14	74.00	10.80	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)
17890.550	51.83	-25.50	46.66	30.67	74.00	22.17	H
17462.650	51.25	-26.85	45.25	32.85	68.20	16.95	H
13753.450	49.43	-29.10	40.86	37.66	68.20	18.77	V
13720.450	49.36	-29.10	40.86	37.59	68.20	18.84	H
11231.150	47.57	-32.36	38.77	41.17	74.00	26.43	V
11414.300	47.23	-32.42	38.79	40.86	74.00	26.77	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)
17340.000	52.79	-25.95	44.35	34.38	68.20	15.41	V
17220.100	51.44	-25.95	44.35	33.03	68.20	16.76	V
13745.200	49.52	-29.10	40.86	37.75	68.20	18.68	H
14118.650	49.22	-28.99	42.00	36.20	68.20	18.98	H
11128.850	46.81	-32.60	38.75	40.67	74.00	27.19	V
10476.550	46.77	-32.99	38.27	41.48	68.20	21.43	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)
16884.600	51.37	-26.32	42.36	35.32	68.20	16.83	H
17555.050	51.35	-26.85	45.25	32.95	68.20	16.85	V
14569.100	49.43	-27.29	41.90	34.82	68.20	18.77	H
13732.000	49.41	-29.10	40.86	37.64	68.20	18.79	H
11229.500	47.51	-32.36	38.77	41.11	74.00	26.49	V
11691.500	47.19	-31.99	38.98	40.20	74.00	26.81	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)
17234.400	51.89	-25.95	44.35	33.48	68.20	16.31	H
17237.700	51.31	-25.95	44.35	32.90	68.20	16.89	H
13690.200	49.54	-29.50	40.43	38.61	68.20	18.66	H
14673.600	49.30	-27.29	41.90	34.69	68.20	18.90	H
11632.650	47.71	-32.31	38.91	41.12	74.00	26.29	H
11794.350	47.21	-31.99	38.98	40.22	74.00	26.79	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)
17998.900	51.55	-25.50	46.66	30.39	74.00	22.45	V
17630.400	51.23	-25.74	45.95	31.02	68.20	16.97	H
13666.000	49.59	-29.50	40.43	38.66	68.20	18.61	V
14091.150	49.13	-29.44	41.66	36.91	68.20	19.07	H
5350.288	64.68	-27.43	34.01	58.10	74.00	9.32	H
5350.016	64.20	-27.43	34.01	57.62	74.00	9.80	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)
17454.400	52.06	-26.85	45.25	33.66	68.20	16.14	V
17985.700	51.83	-25.50	46.66	30.67	74.00	22.17	V
13686.350	49.81	-29.50	40.43	38.88	68.20	18.39	V
13703.400	49.23	-29.10	40.86	37.46	68.20	18.97	V
5459.305	59.32	-27.18	34.17	52.33	74.00	14.68	H
5469.400	62.61	-27.18	34.17	55.62	68.20	5.59	H

Channel 116

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17932.350	51.53	-25.50	46.66	30.37	74.00	22.47	V
17382.900	51.50	-25.95	44.35	33.09	68.20	16.70	V
13715.500	49.73	-29.10	40.86	37.96	68.20	18.47	V
13744.650	49.55	-29.10	40.86	37.78	68.20	18.65	V
10759.250	47.20	-32.77	38.49	41.48	74.00	26.80	H
11225.650	46.92	-32.36	38.77	40.52	74.00	27.08	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)
17226.700	51.93	-25.95	44.35	33.52	68.20	16.27	V
17962.600	51.39	-25.50	46.66	30.23	74.00	22.61	H
13732.000	49.98	-29.10	40.86	38.21	68.20	18.22	V
13764.450	49.66	-29.10	40.86	37.89	68.20	18.54	H
5725.408	62.24	-27.07	34.31	55.00	68.20	5.96	H
5725.547	62.24	-27.07	34.31	55.00	68.20	5.96	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)
17350.450	51.63	-25.95	44.35	33.22	68.20	16.57	H
17073.250	51.26	-26.60	43.36	34.50	68.20	16.94	H
13640.700	49.03	-29.50	40.43	38.10	68.20	19.17	V
14525.650	49.03	-28.59	42.46	35.16	68.20	19.17	V
11854.850	47.61	-31.85	39.05	40.41	74.00	26.39	H
8851.850	46.55	-33.54	38.14	41.94	68.20	21.65	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17594.100	51.73	-25.74	45.95	31.52	68.20	16.47	H
17923.000	51.71	-25.50	46.66	30.55	74.00	22.29	V
14497.050	49.93	-28.59	42.46	36.06	74.00	24.07	V
14101.600	49.20	-29.44	41.66	36.98	68.20	19.00	V
5146.780	62.08	-27.61	33.67	56.02	74.00	11.92	H
5149.540	61.64	-27.61	33.67	55.58	74.00	12.36	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)
17242.650	52.44	-25.95	44.35	34.03	68.20	15.76	V
17887.250	51.93	-25.50	46.66	30.77	74.00	22.07	V
13781.500	49.66	-29.10	40.86	37.89	68.20	18.54	H
14073.550	49.36	-29.44	41.66	37.14	68.20	18.84	V
11442.900	47.16	-32.42	38.79	40.79	74.00	26.84	H
11865.300	47.02	-31.85	39.05	39.82	74.00	26.98	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)
17954.900	51.36	-25.50	46.66	30.20	74.00	22.64	H
17247.050	51.24	-25.95	44.35	32.83	68.20	16.96	H
13714.950	49.38	-29.10	40.86	37.61	68.20	18.82	V
13661.600	49.31	-29.50	40.43	38.38	68.20	18.89	H
7317.350	47.35	-35.13	36.65	45.83	74.00	26.65	V
11796.000	46.92	-31.85	39.05	39.72	74.00	27.08	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)
17942.800	52.70	-25.50	46.66	31.54	74.00	21.30	H
16988.550	51.81	-26.32	42.36	35.76	68.20	16.39	H
14096.100	50.29	-29.44	41.66	38.07	68.20	17.91	V
13751.250	49.40	-29.10	40.86	37.63	68.20	18.80	V
5350.944	61.11	-27.43	34.01	54.53	74.00	12.89	H
5351.088	60.94	-27.43	34.01	54.36	74.00	13.06	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)
17942.800	51.27	-25.50	46.66	30.11	74.00	22.73	V
17459.900	51.17	-26.85	45.25	32.77	68.20	17.03	V
13724.850	49.26	-29.10	40.86	37.49	68.20	18.94	H
13746.850	49.21	-29.10	40.86	37.44	68.20	18.99	V
5459.365	60.95	-27.18	34.17	53.96	74.00	13.05	H
5466.310	62.54	-27.18	34.17	55.55	68.20	5.66	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)
17967.000	51.41	-25.50	46.66	30.25	74.00	22.59	V
17607.300	51.28	-25.74	45.95	31.07	68.20	16.92	H
13688.550	49.64	-29.50	40.43	38.71	68.20	18.56	V
14117.550	49.14	-28.99	42.00	36.12	68.20	19.06	V
11511.650	47.44	-32.26	38.84	40.87	74.00	26.56	H
11769.600	47.26	-31.99	38.98	40.27	74.00	26.74	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)
17371.900	51.22	-25.95	44.35	32.81	68.20	16.98	V
17963.150	51.12	-25.50	46.66	29.96	74.00	22.88	H
14125.250	49.67	-28.99	42.00	36.65	68.20	18.53	V
13736.400	49.27	-29.10	40.86	37.50	68.20	18.93	H
5730.342	63.88	-27.07	34.31	56.64	68.20	4.32	H
5730.203	63.52	-27.07	34.31	56.28	68.20	4.68	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)
17964.800	51.05	-25.50	46.66	29.89	74.00	22.95	V
17992.850	50.97	-25.50	46.66	29.81	74.00	23.03	V
13636.850	49.03	-29.50	40.43	38.10	68.20	19.17	H
13778.200	48.97	-29.10	40.86	37.20	68.20	19.23	V
11857.050	46.86	-31.85	39.05	39.66	74.00	27.14	V
11266.350	46.72	-32.36	38.77	40.32	74.00	27.28	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)
17574.850	51.48	-25.74	45.95	31.27	68.20	16.72	H
17891.100	51.02	-25.50	46.66	29.86	74.00	22.98	V
13623.100	50.41	-29.50	40.43	39.48	68.20	17.79	V
14138.450	49.11	-28.99	42.00	36.09	68.20	19.09	V
5147.440	64.20	-27.61	33.67	58.14	74.00	9.80	H
5148.900	63.99	-27.61	33.67	57.93	74.00	10.01	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17556.150	52.07	-26.85	45.25	33.67	68.20	16.13	H
17986.250	52.04	-25.50	46.66	30.88	74.00	21.96	H
13694.050	49.38	-29.10	40.86	37.61	68.20	18.82	H
13697.900	48.75	-29.10	40.86	36.98	68.20	19.45	V
10742.750	47.20	-32.77	38.49	41.48	74.00	26.80	V
10894.550	47.20	-32.82	38.70	41.32	74.00	26.80	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)
16955.550	52.52	-26.32	42.36	36.47	68.20	15.68	H
17446.700	51.54	-26.85	45.25	33.14	68.20	16.66	H
14560.300	49.74	-27.29	41.90	35.13	68.20	18.46	V
14568.000	49.61	-27.29	41.90	35.00	68.20	18.59	V
11843.850	47.85	-31.85	39.05	40.65	74.00	26.15	V
11819.100	47.42	-31.85	39.05	40.22	74.00	26.58	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)
17959.850	51.82	-25.50	46.66	30.66	74.00	22.18	V
17963.150	51.70	-25.50	46.66	30.54	74.00	22.30	H
13728.150	49.43	-29.10	40.86	37.66	68.20	18.77	V
14575.700	49.02	-27.29	41.90	34.41	68.20	19.18	V
11962.100	47.36	-31.48	39.09	39.75	74.00	26.64	H
9438.700	47.13	-32.95	37.91	42.16	74.00	26.87	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)
16845.550	51.60	-26.62	41.49	36.73	68.20	16.60	V
17587.500	51.25	-25.74	45.95	31.04	68.20	16.95	V
14103.800	50.18	-29.44	41.66	37.96	68.20	18.02	V
13679.200	49.59	-29.50	40.43	38.66	68.20	18.61	H
11309.800	47.02	-32.36	38.77	40.62	74.00	26.98	V
11880.700	46.87	-31.85	39.05	39.67	74.00	27.13	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)
17446.700	51.82	-26.85	45.25	33.42	68.20	16.38	H
17934.000	51.81	-25.50	46.66	30.65	74.00	22.19	V
13733.100	50.47	-29.10	40.86	38.70	68.20	17.73	V
14167.050	49.27	-28.99	42.00	36.25	68.20	18.93	H
5350.896	63.43	-27.43	34.01	56.85	74.00	10.57	H
5352.784	63.43	-27.43	34.01	56.85	74.00	10.57	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)
16858.750	51.63	-26.62	41.49	36.76	68.20	16.57	V
16838.950	51.57	-26.62	41.49	36.70	68.20	16.63	V
14577.350	50.23	-27.29	41.90	35.62	68.20	17.97	V
14691.200	49.36	-28.32	41.35	36.34	68.20	18.84	V
5459.995	59.74	-27.18	34.17	52.75	74.00	14.26	H
5469.490	62.59	-27.18	34.17	55.60	68.20	5.61	H

Channel 116

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17432.950	51.99	-26.85	45.25	33.59	68.20	16.21	H
17969.750	51.98	-25.50	46.66	30.82	74.00	22.02	H
13727.050	50.07	-29.10	40.86	38.30	68.20	18.13	V
13698.450	49.86	-29.10	40.86	38.09	68.20	18.34	H
10833.500	47.43	-32.33	38.59	41.17	74.00	26.57	V
10865.400	47.43	-32.33	38.59	41.17	74.00	26.57	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17227.250	51.65	-25.95	44.35	33.24	68.20	16.55	V
17930.700	51.65	-25.50	46.66	30.49	74.00	22.35	V
13948.150	49.78	-29.51	41.30	37.99	68.20	18.42	H
13624.750	49.23	-29.50	40.43	38.30	68.20	18.97	V
5725.512	62.13	-27.07	34.31	54.89	68.20	6.07	H
5726.195	62.09	-27.07	34.31	54.85	68.20	6.11	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)
17146.400	51.17	-26.60	43.36	34.41	68.20	17.03	H
17189.300	51.07	-26.60	43.36	34.31	68.20	17.13	H
14104.900	50.20	-29.44	41.66	37.98	68.20	18.00	V
13586.250	49.40	-29.50	40.43	38.47	68.20	18.80	H
11921.950	46.93	-31.48	39.09	39.32	74.00	27.07	H
11859.800	46.47	-31.85	39.05	39.27	74.00	27.53	V

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)
16977.000	51.54	-26.32	42.36	35.49	68.20	16.66	V
17932.900	51.52	-25.50	46.66	30.36	74.00	22.48	V
14095.550	49.51	-29.44	41.66	37.29	68.20	18.69	V
13715.500	49.37	-29.10	40.86	37.60	68.20	18.83	H
5149.320	61.77	-27.61	33.67	55.71	74.00	12.23	H
5148.920	61.71	-27.61	33.67	55.65	74.00	12.29	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)
17559.450	51.53	-26.85	45.25	33.13	68.20	16.67	H
17389.500	51.23	-26.85	45.25	32.83	68.20	16.97	H
13828.250	49.35	-29.10	40.86	37.58	68.20	18.85	V
13778.750	49.28	-29.10	40.86	37.51	68.20	18.92	V
11783.350	47.36	-31.99	38.98	40.37	74.00	26.64	H
9000.350	47.27	-33.28	38.19	42.36	74.00	26.73	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)
17228.350	51.57	-25.95	44.35	33.16	68.20	16.63	V
17346.050	51.56	-25.95	44.35	33.15	68.20	16.64	V
13754.550	50.26	-29.10	40.86	38.49	68.20	17.94	V
13702.300	49.07	-29.10	40.86	37.30	68.20	19.13	V
10630.000	46.97	-32.76	38.38	41.35	74.00	27.03	H
11385.700	46.97	-32.42	38.79	40.60	74.00	27.03	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)
17990.100	52.10	-25.50	46.66	30.94	74.00	21.90	H
17126.050	51.57	-26.60	43.36	34.81	68.20	16.63	H
14597.150	49.55	-27.29	41.90	34.94	68.20	18.65	H
13700.100	49.41	-29.10	40.86	37.64	68.20	18.79	V
5351.360	61.12	-27.43	34.01	54.54	74.00	12.88	H
5351.104	60.97	-27.43	34.01	54.39	74.00	13.03	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)
16853.250	51.43	-26.62	41.49	36.56	68.20	16.77	H
17990.100	51.24	-25.50	46.66	30.08	74.00	22.76	H
13804.050	50.03	-29.10	40.86	38.26	68.20	18.17	H
14122.500	49.43	-28.99	42.00	36.41	68.20	18.77	V
5456.740	60.43	-27.18	34.17	53.44	74.00	13.57	H
5469.055	62.11	-27.18	34.17	55.12	68.20	6.09	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)
17359.800	51.77	-25.95	44.35	33.36	68.20	16.43	H
17931.250	51.59	-25.50	46.66	30.43	74.00	22.41	H
13714.400	49.90	-29.10	40.86	38.13	68.20	18.30	H
14072.450	49.77	-29.44	41.66	37.55	68.20	18.43	V
11243.250	47.90	-32.36	38.77	41.50	74.00	26.10	H
10746.600	47.11	-32.77	38.49	41.39	74.00	26.89	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)
17445.600	52.24	-26.85	45.25	33.84	68.20	15.96	V
16851.050	51.39	-26.62	41.49	36.52	68.20	16.81	H
13747.400	50.12	-29.10	40.86	38.35	68.20	18.08	H
13691.850	49.53	-29.50	40.43	38.60	68.20	18.67	V
5725.722	63.90	-27.07	34.31	56.66	68.20	4.30	H
5729.432	63.71	-27.07	34.31	56.47	68.20	4.49	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)
17258.600	51.65	-25.95	44.35	33.24	68.20	16.55	V
16996.250	51.56	-26.32	42.36	35.51	68.20	16.64	H
13689.650	48.54	-29.50	40.43	37.61	68.20	19.66	V
13738.600	48.52	-29.10	40.86	36.75	68.20	19.68	V
11400.550	46.14	-32.42	38.79	39.77	74.00	27.86	H
11785.000	46.07	-31.99	38.98	39.08	74.00	27.93	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)
17453.300	51.96	-26.85	45.25	33.56	68.20	16.24	V
17541.300	51.78	-26.85	45.25	33.38	68.20	16.42	V
14202.250	50.26	-28.99	42.00	37.24	68.20	17.94	H
13708.900	49.60	-29.10	40.86	37.83	68.20	18.60	V
5145.300	59.64	-27.61	33.67	53.58	74.00	14.36	H
5145.440	59.61	-27.61	33.67	53.55	74.00	14.39	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)
17949.950	51.84	-25.50	46.66	30.68	74.00	22.16	H
17561.100	51.45	-26.85	45.25	33.05	68.20	16.75	H
14590.000	50.27	-27.29	41.90	35.66	68.20	17.93	H
13657.750	49.21	-29.50	40.43	38.28	68.20	18.99	V
5353.328	55.57	-27.43	34.01	48.99	74.00	18.43	H
5352.016	55.43	-27.43	34.01	48.85	74.00	18.57	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)
17474.200	51.62	-26.85	45.25	33.22	68.20	16.58	V
17976.900	51.59	-25.50	46.66	30.43	74.00	22.41	V
13669.300	49.29	-29.50	40.43	38.36	68.20	18.91	V
13721.550	49.27	-29.10	40.86	37.50	68.20	18.93	V
5439.040	58.78	-27.18	34.17	51.79	74.00	15.22	H
5466.625	59.95	-27.18	34.17	52.96	68.20	8.25	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)
17885.050	52.20	-25.50	46.66	31.04	74.00	21.80	V
17547.350	51.95	-26.85	45.25	33.55	68.20	16.25	V
13675.350	49.33	-29.50	40.43	38.40	68.20	18.87	V
14119.750	49.18	-28.99	42.00	36.16	68.20	19.02	V
5725.863	60.65	-27.07	34.31	53.41	68.20	7.55	H
5726.790	60.49	-27.07	34.31	53.25	68.20	7.71	H

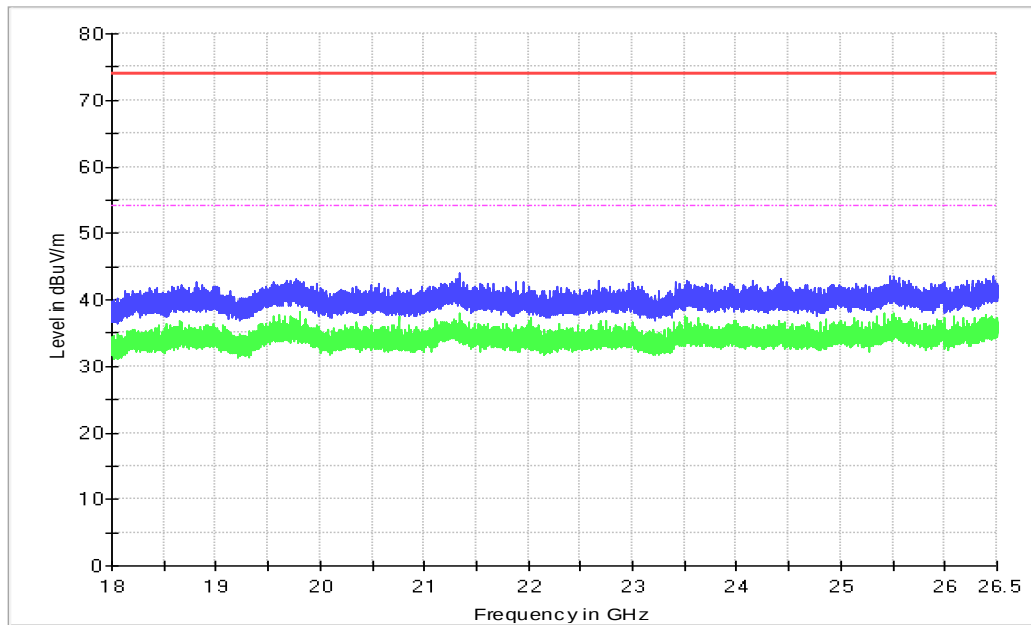
Channel 138

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)
17442.850	52.18	-26.85	45.25	33.78	68.20	16.02	V
17352.650	51.46	-25.95	44.35	33.05	68.20	16.74	V
13767.750	49.17	-29.10	40.86	37.40	68.20	19.03	V
14132.950	48.60	-28.99	42.00	35.58	68.20	19.60	V
10839.550	47.24	-32.33	38.59	40.98	74.00	26.76	V
11789.950	46.60	-31.99	38.98	39.61	74.00	27.40	V

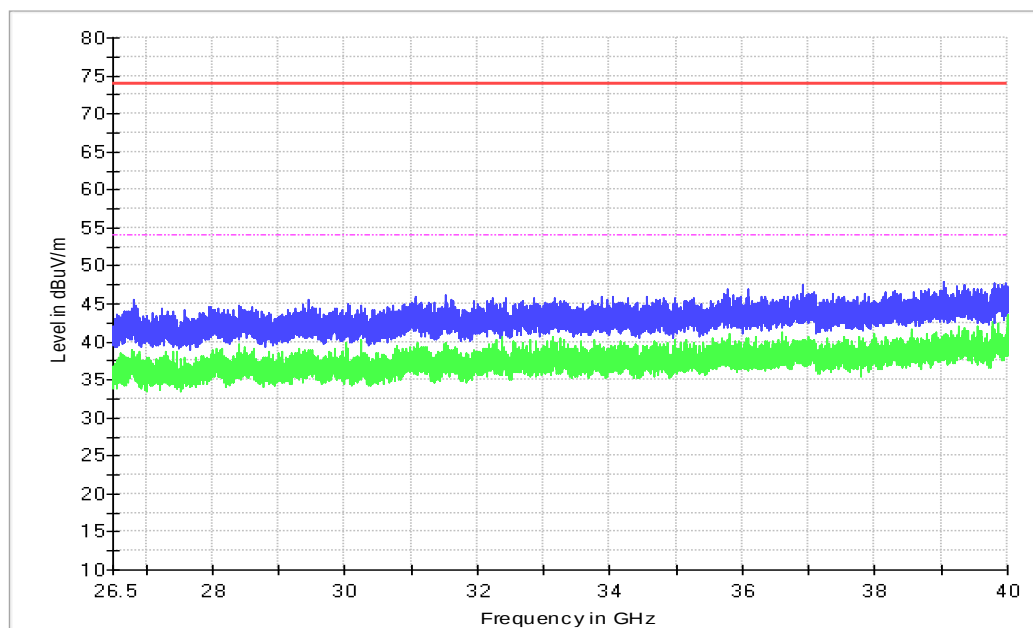
Sample calculation: 17442.850 MHz

$$\text{Peak ERP(dBm)} = P_{\text{Mea}}(33.78\text{dBuV/m}) + \text{Cable Loss}(-26.85) + \text{Antenna Factor}(45.25) = 52.18 \text{ dBuV/m}$$

WOSRT CASE 18GHz-26.5 GHz

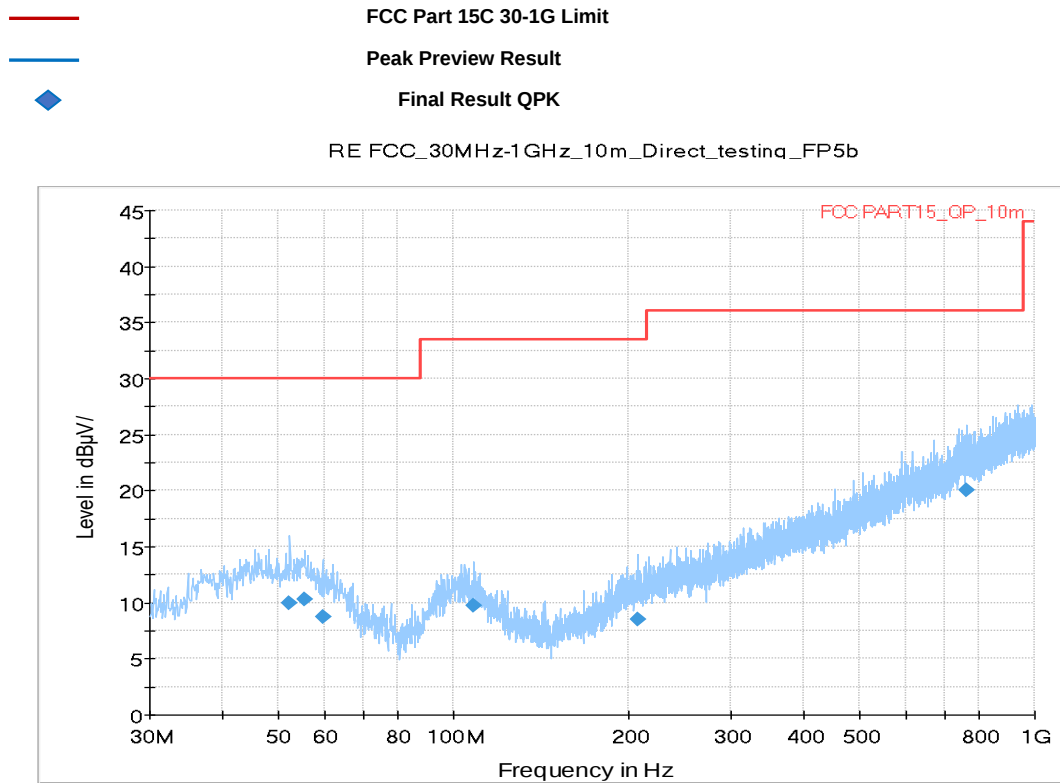


WOSRT CASE 26.5GHz-40GHz



Note: the spurious emission above 18G is noise only

WOSRT CASE BELOW 1GHz



Frequency (MHz)	QuasiPeak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
52.213000	9.9	125.0	H	93.0	-11.2	20.1	30.0
55.414000	10.3	175.0	V	45.0	-11.3	19.7	30.0
59.585000	8.7	275.0	H	-10.0	-11.9	21.3	30.0
108.279000	9.7	100.0	V	225.0	-12.6	23.8	33.5
207.995000	8.5	175.0	H	225.0	-11.5	25.0	33.5
764.678000	20.0	225.0	V	135.0	1.9	16.0	36.0

BELOW 30MHz

No emissions were found within 20dB of the limit below 30MHz.

A.8. AC Powerline Conducted Emission (150kHz- 30MHz)

Test Condition:

Voltage (V)	Frequency (Hz)
110	60

Measurement uncertainty:

Expanded measurement uncertainty for this test item is $U = 3.08\text{dB}$, $k=2$.

Measurement Result and limit:

Set.4: UT22a + AE2-1 + AE1-3

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig. 82	Fig. 83	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.82	Fig.83	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.				

The measurement is made according to ANSI C63.10 .

Set.5: UT25a + AE2-2 + AE1-3

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	67 to 56	Fig. 84	/	P
0.5 to 5	56			
5 to 30	60			

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

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.84	/	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.

The measurement is made according to ANSI C63.10 .

Set.6: UT26a + AE2-3 + AE1-3

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	68 to 56	Fig. 85	/	P
0.5 to 5	56			
5 to 30	60			

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

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.85	/	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.

The measurement is made according to ANSI C63.10 .

Set.7: UT22a + AE2-4 + AE1-3

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	69 to 56	Fig. 86	/	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.86	/	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.				

The measurement is made according to ANSI C63.10 .

Set.8: UT25a + AE2-5 + AE1-3

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	70 to 56	Fig. 87	/	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.87	/	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.				

The measurement is made according to ANSI C63.10 .

Conclusion: PASS

Test graphs as below:

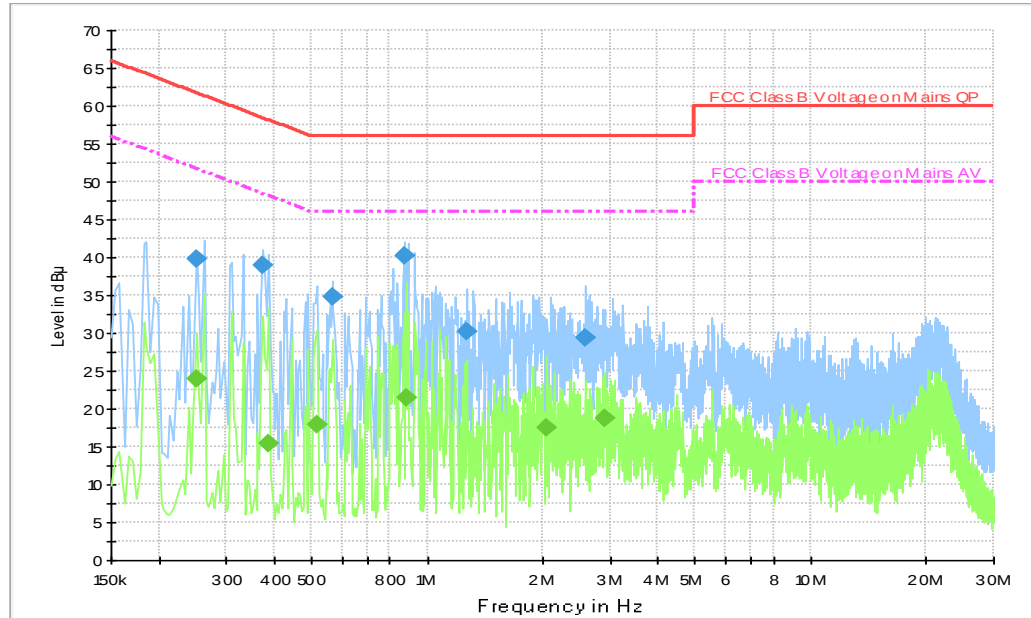


Fig. 82 AC Powerline Conducted Emission-802.11a (Set.4: UT22a + AE2-1 + AE1-3)

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.250000	39.9	2000.0	9.000	On	L1	19.7	21.9	61.8
0.374000	39.0	2000.0	9.000	On	L1	19.7	19.4	58.4
0.566000	34.8	2000.0	9.000	On	L1	19.7	21.2	56.0
0.870000	40.2	2000.0	9.000	On	N	19.6	15.8	56.0
1.270000	30.2	2000.0	9.000	On	L1	19.7	25.8	56.0
2.590000	29.5	2000.0	9.000	On	L1	19.6	26.5	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.250000	24.0	2000.0	9.000	On	L1	19.7	27.7	51.8
0.386000	15.5	2000.0	9.000	On	L1	19.7	32.7	48.1
0.514000	17.8	2000.0	9.000	On	N	19.7	28.2	46.0
0.882000	21.4	2000.0	9.000	On	L1	19.7	24.6	46.0
2.058000	17.5	2000.0	9.000	On	N	19.6	28.5	46.0
2.918000	18.7	2000.0	9.000	On	N	19.6	27.3	46.0

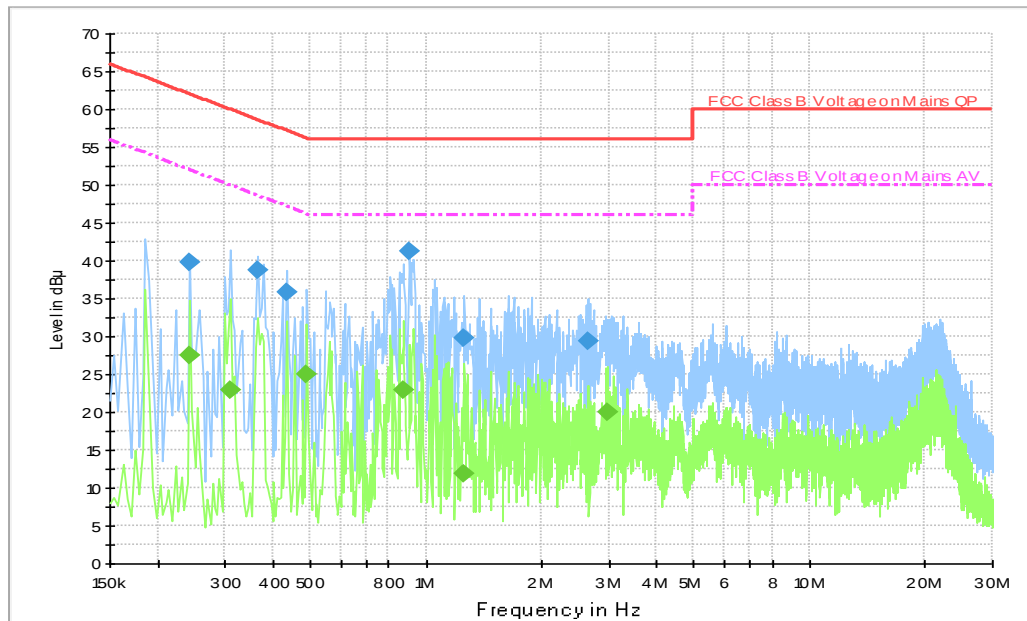


Fig. 83 AC Powerline Conducted Emission-Idle (Set.4: UT22a + AE2-1 + AE1-3)

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ)
0.242000	39.8	2000.0	9.000	On	L1	19.7	22.3	62.0
0.366000	38.8	2000.0	9.000	On	L1	19.7	19.8	58.6
0.434000	35.9	2000.0	9.000	On	L1	19.7	21.3	57.2
0.906000	41.2	2000.0	9.000	On	N	19.6	14.8	56.0
1.262000	29.7	2000.0	9.000	On	L1	19.7	26.3	56.0
2.658000	29.3	2000.0	9.000	On	L1	19.6	26.7	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ)
0.242000	27.5	2000.0	9.000	On	N	19.7	24.5	52.0
0.310000	23.0	2000.0	9.000	On	L1	19.7	27.0	50.0
0.490000	24.9	2000.0	9.000	On	N	19.7	21.2	46.2
0.874000	22.9	2000.0	9.000	On	N	19.6	23.1	46.0
1.262000	11.8	2000.0	9.000	On	L1	19.7	34.2	46.0
2.962000	20.1	2000.0	9.000	On	N	19.6	25.9	46.0

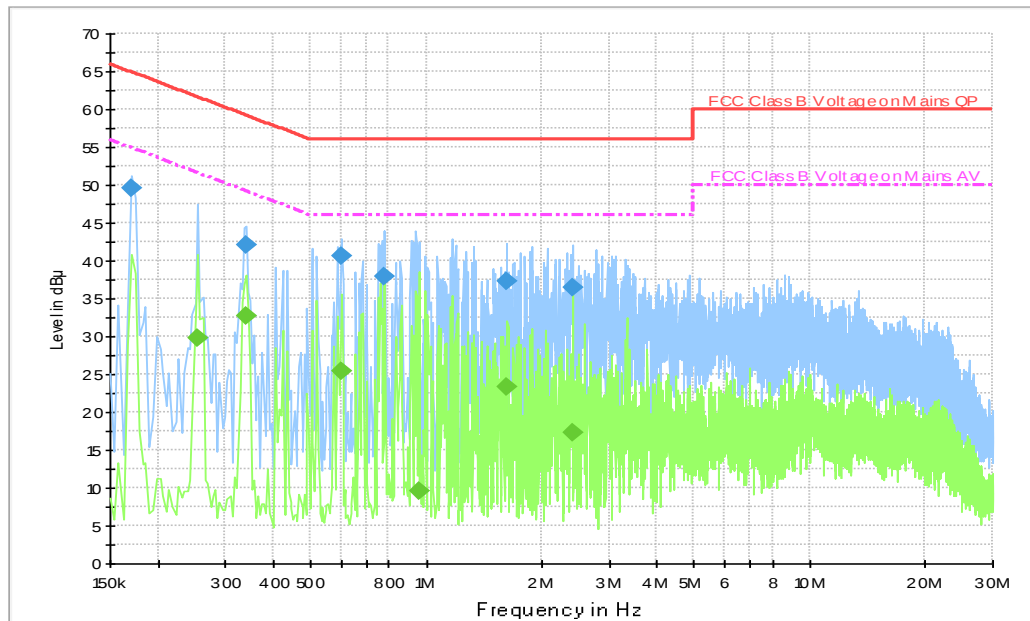


Fig. 84 AC Powerline Conducted Emission-802.11a (Set.5: UT25a + AE2-2 + AE1-3)

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ)
0.170000	49.5	1000.0	9.000	On	L1	19.7	15.4	65.0
0.338000	42.1	1000.0	9.000	On	N	19.7	17.2	59.3
0.598000	40.7	1000.0	9.000	On	L1	19.7	15.3	56.0
0.778000	38.0	1000.0	9.000	On	L1	19.7	18.0	56.0
1.622000	37.2	1000.0	9.000	On	L1	19.6	18.8	56.0
2.402000	36.4	1000.0	9.000	On	L1	19.6	19.6	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ)
0.254000	29.7	1000.0	9.000	On	L1	19.7	21.9	51.6
0.338000	32.8	1000.0	9.000	On	N	19.7	16.5	49.3
0.602000	25.4	1000.0	9.000	On	N	19.6	20.6	46.0
0.958000	9.6	1000.0	9.000	On	L1	19.6	36.4	46.0
1.630000	23.3	1000.0	9.000	On	N	19.6	22.7	46.0
2.402000	17.3	1000.0	9.000	On	L1	19.6	28.7	46.0

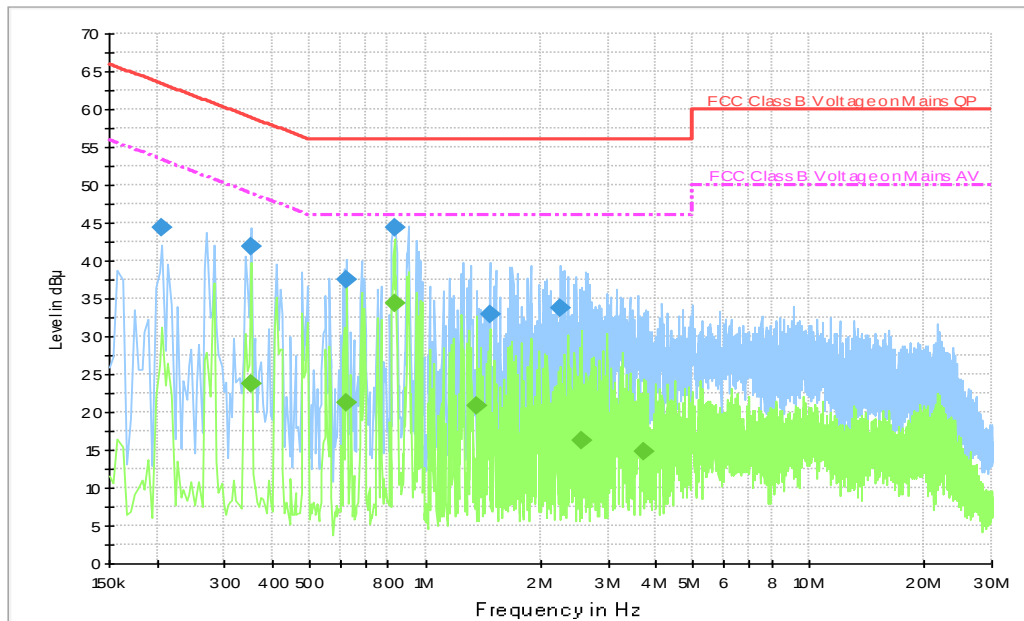


Fig. 85 AC Powerline Conducted Emission-802.11a (Set.6: UT26a + AE2-3 + AE1-3)

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.206000	44.5	1000.0	9.000	On	N	19.7	18.9	63.4
0.350000	41.8	1000.0	9.000	On	L1	19.7	17.2	59.0
0.626000	37.5	1000.0	9.000	On	L1	19.7	18.5	56.0
0.838000	44.3	1000.0	9.000	On	N	19.6	11.7	56.0
1.470000	32.9	1000.0	9.000	On	L1	19.7	23.1	56.0
2.242000	33.7	1000.0	9.000	On	L1	19.6	22.3	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.350000	23.7	1000.0	9.000	On	L1	19.7	25.3	49.0
0.626000	21.4	1000.0	9.000	On	L1	19.7	24.6	46.0
0.830000	34.5	1000.0	9.000	On	N	19.7	11.5	46.0
1.362000	20.8	1000.0	9.000	On	N	19.6	25.2	46.0
2.550000	16.2	1000.0	9.000	On	N	19.6	29.8	46.0
3.714000	14.7	1000.0	9.000	On	L1	19.6	31.3	46.0

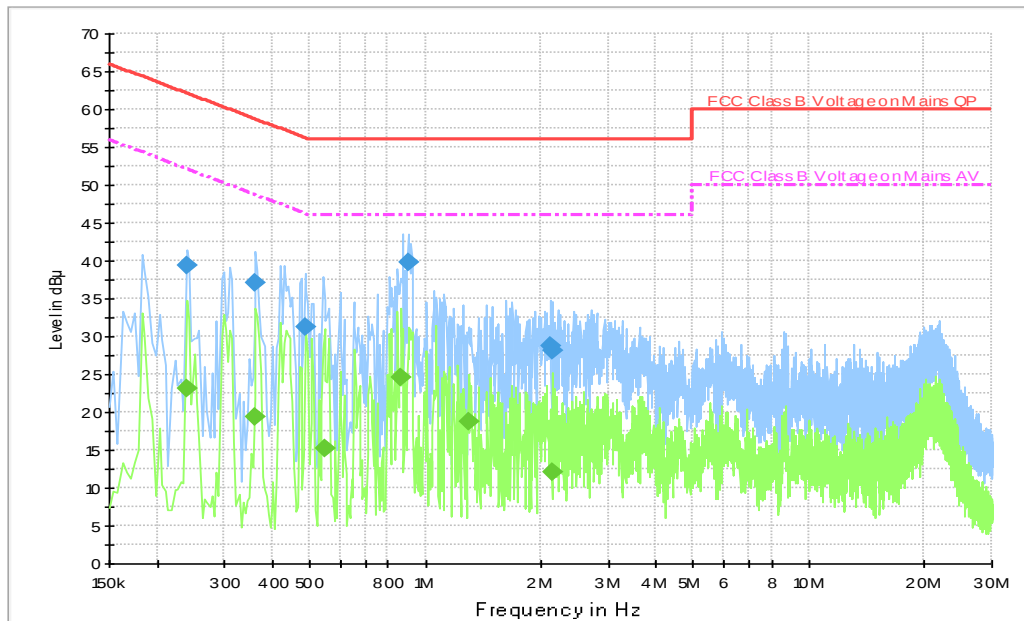


Fig. 86 AC Powerline Conducted Emission-802.11a (Set.7: UT22a + AE2-4 + AE1-3)

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ)
0.238000	39.4	1000.0	9.000	On	L1	19.7	22.7	62.2
0.362000	37.1	1000.0	9.000	On	L1	19.7	21.6	58.7
0.486000	31.3	1000.0	9.000	On	L1	19.7	24.9	56.2
0.902000	39.8	1000.0	9.000	On	N	19.6	16.2	56.0
2.114000	28.8	1000.0	9.000	On	L1	19.6	27.2	56.0
2.138000	28.1	1000.0	9.000	On	L1	19.6	27.9	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ)
0.238000	23.0	1000.0	9.000	On	L1	19.7	29.1	52.2
0.362000	19.4	1000.0	9.000	On	L1	19.7	29.3	48.7
0.546000	15.3	1000.0	9.000	On	N	19.7	30.7	46.0
0.866000	24.5	1000.0	9.000	On	N	19.6	21.5	46.0
1.302000	18.7	1000.0	9.000	On	N	19.6	27.3	46.0
2.138000	12.0	1000.0	9.000	On	L1	19.6	34.0	46.0

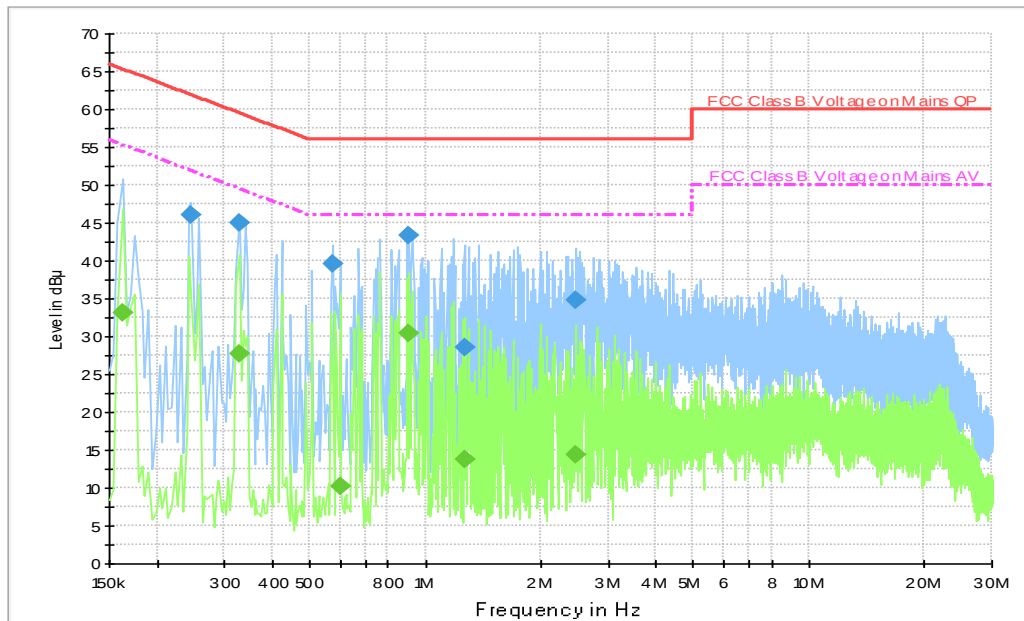


Fig. 87 AC Powerline Conducted Emission-802.11a (Set.8: UT25a + AE2-5 + AE1-3)

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.246000	46.1	1000.0	9.000	On	L1	19.7	15.8	61.9
0.326000	45.0	1000.0	9.000	On	L1	19.7	14.5	59.6
0.574000	39.6	1000.0	9.000	On	L1	19.7	16.4	56.0
0.910000	43.4	1000.0	9.000	On	N	19.6	12.6	56.0
1.266000	28.6	1000.0	9.000	On	L1	19.7	27.4	56.0
2.466000	34.9	1000.0	9.000	On	L1	19.6	21.1	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.162000	33.2	1000.0	9.000	On	L1	19.8	22.2	55.4
0.326000	27.6	1000.0	9.000	On	L1	19.7	21.9	49.6
0.598000	10.1	1000.0	9.000	On	N	19.6	35.9	46.0
0.910000	30.4	1000.0	9.000	On	N	19.6	15.6	46.0
1.266000	13.7	1000.0	9.000	On	L1	19.7	32.3	46.0
2.466000	14.4	1000.0	9.000	On	L1	19.6	31.6	46.0

A.9. Frequency Stability

Manufacturers ensured the EUT meet the requirement of frequency stability, such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

Test Condition:

$T_{min} = 0\text{ }^{\circ}\text{C}$ $T_{nom} = 26\text{ }^{\circ}\text{C}$ $T_{max} = 35\text{ }^{\circ}\text{C}$
 $V_{nom} = 3.6\text{ V}$ $V_{nom} = 3.87\text{ V}$ $V_{nom} = 4.45\text{ V}$

Measurement Limit:

Standard	Limit (ppm)
FCC 47 CFR Part 15.407 (g)	20

The measurement is made according to KDB789033 D02 .

Measurement Result:

Mode	Frequency	Test Condition		Result
802.11ac-VHT80	5210MHz	Tnom	Vnom	0.00
		Tmax	Vnom	14.99
		Tmin	Vnom	0.00
		Vmax	Tnom	0.00
		Vmin	Tnom	0.00
	5290MHz	Tnom	Vnom	0.00
		Tmax	Vnom	14.67
		Tmin	Vnom	3.78
		Vmax	Tnom	0.00
		Vmin	Tnom	0.00
	5530MHz	Tnom	Vnom	14.47
		Tmax	Vnom	14.78
		Tmin	Vnom	14.98
		Vmax	Tnom	0.00
		Vmin	Tnom	14.47
	5610MHz	Tnom	Vnom	0.00
		Tmax	Vnom	14.89
		Tmin	Vnom	0.00

		Vmax	Tnom	0.00
		Vmin	Tnom	0.00
	5690MHz	Tnom	Vnom	0.00
		Tmax	Vnom	7.04
		Tmin	Vnom	14.69
		Vmax	Tnom	14.06
		Vmin	Tnom	14.06

A.10. Power control

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

ANNEX B: EUT parameters

Disclaimer: The worse case and 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

United States Department of Commerce National Institute of Standards and Technology	
	
Certificate of Accreditation to ISO/IEC 17025:2017	
NVLAP LAB CODE: 600118-0	
Telecommunication Technology Labs, CAICT Beijing China	
is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:	
Electromagnetic Compatibility & Telecommunications	
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).	
2022-10-01 through 2023-09-30 Effective Dates	  For the National Voluntary Laboratory Accreditation Program

*** END OF REPORT BODY ***