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)
5350.000	48.30	-27.90	32.70	43.41	54.00	5.70	H
5350.500	47.80	-27.90	32.70	42.96	54.00	6.20	H
10624.500	40.13	-35.73	38.33	37.54	54.00	13.87	V
15936.125	42.09	-32.87	39.09	35.88	54.00	11.91	V
17710.562	44.11	-31.41	42.10	33.41	54.00	9.89	V
17956.000	44.66	-31.19	41.76	34.09	54.00	9.34	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)
5459.500	45.93	-27.70	32.78	40.85	54.00	8.07	H
5460.000	46.23	-27.70	32.78	41.15	54.00	7.77	H
11019.812	37.28	-35.12	39.01	33.40	54.00	16.72	V
15775.500	40.40	-33.08	39.06	34.42	54.00	13.60	V
17894.812	43.37	-31.34	41.85	32.86	54.00	10.63	H
17774.500	44.27	-31.51	42.01	33.76	54.00	9.73	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)
5437.000	43.16	-27.72	32.76	38.12	54.00	10.84	V
5449.000	43.11	-27.75	32.77	38.10	54.00	10.89	V
11180.000	37.66	-35.22	39.07	33.81	54.00	16.34	H
15885.938	40.56	-32.94	39.08	34.41	54.00	13.44	H
17849.438	43.64	-31.46	41.91	33.19	54.00	10.36	V
17967.000	43.76	-31.16	41.75	33.17	54.00	10.24	H

©Copyright. All rights reserved by CTTL.

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)
5392.250	42.40	-27.64	32.74	37.30	48.30	5.90	H
5405.250	42.44	-27.64	32.75	37.34	48.30	5.86	H
11340.188	37.71	-35.15	39.14	33.73	54.00	16.29	V
15800.688	40.23	-33.04	39.06	34.22	54.00	13.77	V
17830.188	43.67	-31.51	41.94	33.24	54.00	10.33	H
17893.438	43.41	-31.35	41.85	32.91	54.00	10.59	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)
5434.500	42.84	-27.72	32.76	37.80	54.00	11.16	V
5456.500	42.74	-27.72	32.78	37.69	54.00	11.26	V
11419.938	37.37	-35.18	39.17	33.38	54.00	16.63	V
15930.625	41.45	-32.88	39.09	35.25	54.00	12.55	H
17817.812	44.06	-31.54	41.95	33.65	54.00	9.94	V
17920.938	44.01	-31.28	41.81	33.47	54.00	9.99	H

802.11ac-HT40

Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5149.750	48.25	-28.19	32.59	43.85	54.00	5.75	H
5150.000	48.02	-28.19	32.59	43.62	54.00	5.98	H
10378.375	38.36	-35.52	38.03	35.85	54.00	15.64	H
15566.938	41.77	-33.26	39.01	36.01	54.00	12.23	V
17731.875	44.16	-31.44	42.07	33.53	54.00	9.84	V
17831.562	44.98	-31.50	41.93	34.55	54.00	9.02	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)
5137.000	42.11	-28.25	32.59	37.77	54.00	11.89	V
5150.000	42.38	-28.19	32.59	37.98	54.00	11.62	V
10449.875	38.81	-35.57	38.07	36.31	54.00	15.19	H
15679.688	41.57	-33.19	39.04	35.72	54.00	12.43	H
17725.688	44.07	-31.43	42.08	33.42	54.00	9.93	V

©Copyright. All rights reserved by CTTL.

17884.500	44.69	-31.37	41.86	34.20	54.00	9.31	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)
5150.000	41.84	-28.19	32.59	37.44	54.00	12.16	V
5381.000	42.91	-27.70	32.73	37.87	54.00	11.09	V
10555.062	39.80	-35.65	38.20	37.24	54.00	14.20	V
15817.875	41.63	-33.02	39.06	35.59	54.00	12.37	V
17714.000	44.18	-31.41	42.10	33.49	54.00	9.82	V
17793.750	43.99	-31.54	41.99	33.55	54.00	10.01	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)
5350.250	48.00	-27.90	32.70	43.11	54.00	6.00	H
5350.500	47.90	-27.90	32.70	43.10	54.00	6.10	H
10615.562	39.86	-35.74	38.31	37.29	54.00	14.14	H
15931.312	42.01	-32.88	39.09	35.80	54.00	11.99	V
17902.375	44.36	-31.32	41.84	33.85	54.00	9.64	H
17810.938	44.25	-31.56	41.96	33.84	54.00	9.75	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)
5454.500	48.36	-27.73	32.77	43.32	54.00	5.64	H
5455.500	48.39	-27.72	32.77	43.34	54.00	5.61	H
11019.812	37.08	-35.12	39.01	33.19	54.00	16.92	H
15717.500	40.16	-33.15	39.04	34.26	54.00	13.84	V
17731.188	43.89	-31.44	42.07	33.25	54.00	10.11	V
17857.688	44.31	-31.44	41.90	33.85	54.00	9.69	H

©Copyright. All rights reserved by CTTL.

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)
5452.000	43.16	-27.74	32.77	38.13	54.00	10.84	V
5456.500	43.19	-27.72	32.78	38.13	54.00	10.81	V
11180.000	37.66	-35.22	39.07	33.81	54.00	16.34	H
15890.750	41.27	-32.93	39.08	35.13	54.00	12.73	H
17760.750	43.45	-31.49	42.03	32.90	54.00	10.55	H
17877.625	43.67	-31.39	41.87	33.19	54.00	10.33	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)
5394.000	42.34	-27.63	32.74	37.24	48.30	5.96	H
5404.750	42.32	-27.64	32.75	37.21	48.30	5.98	H
11340.188	37.29	-35.15	39.14	33.31	54.00	16.71	V
16086.000	40.98	-32.99	39.34	34.63	54.00	13.02	V
17813.000	43.57	-31.55	41.96	33.16	54.00	10.43	H
17905.125	43.99	-31.32	41.83	33.48	54.00	10.01	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)
5441.000	42.90	-27.73	32.77	37.86	54.00	11.10	V
5448.500	42.84	-27.75	32.77	37.82	54.00	11.16	V
11419.938	36.98	-35.18	39.17	32.99	54.00	17.02	V
15756.000	39.86	-33.10	39.05	33.91	54.00	14.14	V
17748.375	43.67	-31.47	42.05	33.09	54.00	10.33	V
17900.312	44.35	-31.33	41.84	33.84	54.00	9.65	H

©Copyright. All rights reserved by CTTL.

802.11ax-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)
5149.500	49.04	-28.19	32.59	44.64	54.00	4.96	H
5150.000	49.19	-28.19	32.59	44.79	54.00	4.81	H
10380.438	38.26	-35.53	38.03	35.75	54.00	15.74	H
15580.000	42.05	-33.25	39.02	36.29	54.00	11.95	H
17741.500	43.82	-31.46	42.06	33.22	54.00	10.18	H
17857.000	44.53	-31.44	41.90	34.07	54.00	9.47	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)
5139.500	42.31	-28.24	32.59	37.96	54.00	11.69	V
5149.500	42.35	-28.19	32.59	37.95	54.00	11.65	V
10458.125	38.75	-35.57	38.08	36.24	54.00	15.26	H
15685.875	41.93	-33.18	39.04	36.07	54.00	12.08	H
17726.375	44.37	-31.43	42.08	33.73	54.00	9.63	H
17939.500	44.52	-31.23	41.78	33.96	54.00	9.48	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)
5149.000	41.65	-28.20	32.59	37.26	54.00	12.35	V
5356.000	42.74	-27.83	32.72	37.86	54.00	11.26	V
10557.125	39.63	-35.65	38.20	37.07	54.00	14.38	V
15814.438	41.68	-33.03	39.06	35.64	54.00	12.32	V
17816.438	44.65	-31.54	41.95	34.24	54.00	9.35	H
17931.250	43.98	-31.25	41.80	33.43	54.00	10.02	V

©Copyright. All rights reserved by CTTL.

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)
5350.000	47.90	-27.90	32.70	43.07	54.00	6.10	H
5350.250	47.60	-27.90	32.70	42.79	54.00	6.40	H
10619.000	40.30	-35.74	38.32	37.72	54.00	13.70	V
15939.563	42.51	-32.87	39.09	36.29	54.00	11.49	V
17751.125	44.30	-31.47	42.05	33.72	54.00	9.70	V
17896.875	44.11	-31.34	41.84	33.60	54.00	9.89	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)
5457.500	48.40	-27.71	32.78	43.34	54.00	5.60	H
5459.000	48.48	-27.70	32.78	43.41	54.00	5.52	H
11019.125	36.99	-35.13	39.01	33.11	54.00	17.01	H
15940.938	40.69	-32.87	39.09	34.47	54.00	13.31	V
17807.500	44.34	-31.56	41.97	33.93	54.00	9.66	V
17924.375	44.39	-31.27	41.80	33.85	54.00	9.62	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)
5421.000	43.07	-27.68	32.75	38.00	54.00	10.93	V
5447.500	43.07	-27.75	32.77	38.05	54.00	10.93	V
11180.000	37.43	-35.22	39.07	33.58	54.00	16.57	V
16158.188	41.30	-32.89	39.55	34.65	54.00	12.70	V
17848.063	44.28	-31.46	41.91	33.83	54.00	9.72	H
17958.750	44.04	-31.18	41.76	33.46	54.00	9.96	H

©Copyright. All rights reserved by CTTL.

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)
5410.750	42.01	-27.66	32.75	36.92	54.00	11.99	H
5412.750	41.94	-27.66	32.75	36.85	54.00	12.06	H
11340.188	37.64	-35.15	39.14	33.66	54.00	16.36	H
16057.125	40.59	-32.95	39.26	34.28	54.00	13.41	H
17841.188	44.24	-31.48	41.92	33.80	54.00	9.76	H
17937.438	43.88	-31.23	41.79	33.33	54.00	10.12	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)
5432.500	42.74	-27.71	32.76	37.69	54.00	11.26	V
5442.500	42.80	-27.74	32.77	37.77	54.00	11.20	V
11419.938	37.13	-35.18	39.17	33.14	54.00	16.87	V
16049.563	41.01	-32.95	39.24	34.72	54.00	12.99	V
17821.938	44.32	-31.53	41.95	33.90	54.00	9.68	H
17925.750	13.98	-31.26	41.80	3.44	54.00	40.02	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)
5146.750	48.11	-28.21	32.59	43.73	54.00	5.89	H
5147.750	48.17	-28.20	32.59	43.78	54.00	5.83	H
10420.313	36.55	-35.57	38.05	34.07	54.00	17.45	V
15630.188	39.31	-33.23	39.03	33.51	54.00	14.69	H
17751.813	42.94	-31.47	42.04	32.37	54.00	11.06	V
17876.250	44.14	-31.39	41.87	33.65	54.00	9.87	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)
5356.750	49.03	-27.83	32.72	44.14	54.00	4.97	H
5357.500	49.10	-27.82	32.72	44.21	54.00	4.90	H
10579.813	37.55	-35.69	38.25	34.99	54.00	16.45	H
15872.875	40.44	-32.95	39.07	34.32	54.00	13.56	V
17736.000	44.11	-31.45	42.07	33.49	54.00	9.89	H
17943.625	44.31	-31.22	41.78	33.75	54.00	9.69	V

©Copyright. All rights reserved by CTTL.

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)
5456.000	48.36	-27.72	32.77	43.30	54.00	5.65	H
5456.250	48.32	-27.72	32.77	43.27	54.00	5.68	H
11059.688	37.44	-35.04	39.02	33.45	54.00	16.56	V
15779.375	40.98	-33.07	39.06	35.00	54.00	13.02	H
17804.750	44.49	-31.55	41.97	34.07	54.00	9.51	H
17842.563	44.78	-31.48	41.92	34.34	54.00	9.22	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)
5449.250	42.43	-27.75	32.77	37.42	54.00	11.57	H
5456.750	42.40	-27.72	32.78	37.34	54.00	11.60	H
11219.875	37.80	-35.13	39.09	33.84	54.00	16.20	H
15905.531	39.70	-32.91	39.08	33.53	54.00	14.30	H
17740.813	43.79	-31.46	42.06	33.18	54.00	10.22	H
17925.750	43.92	-31.26	41.80	33.38	54.00	10.09	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)
5428.500	42.96	-27.70	32.76	37.90	54.00	11.04	V
5444.000	42.80	-27.74	32.77	37.77	54.00	11.20	V
11380.063	37.18	-35.23	39.15	33.25	54.00	16.82	V
15852.938	40.95	-32.98	39.07	34.86	54.00	13.05	V
17732.563	43.92	-31.44	42.07	33.29	54.00	10.08	V
17918.188	43.81	-31.28	41.81	33.28	54.00	10.19	V

©Copyright. All rights reserved by CTTL.

802.11ax-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)
5145.750	47.16	-28.21	32.59	42.78	54.00	6.85	H
5146.500	46.84	-28.21	32.59	42.45	54.00	7.16	H
10427.188	37.44	-35.57	38.06	34.95	54.00	16.56	H
15632.250	40.21	-33.23	39.03	34.41	54.00	13.79	V
17752.500	43.50	-31.47	42.04	32.93	54.00	10.50	H
17946.375	43.83	-31.21	41.77	33.27	54.00	10.17	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)
5355.750	47.24	-27.83	32.72	42.36	54.00	6.76	H
5356.500	47.25	-27.83	32.72	42.36	54.00	6.75	H
10579.813	37.97	-35.69	38.25	35.40	54.00	16.03	H
15870.125	40.79	-32.96	39.07	34.67	54.00	13.21	H
17748.375	43.94	-31.47	42.05	33.36	54.00	10.06	H
17973.875	43.66	-31.14	41.74	33.06	54.00	10.34	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)
5456.500	46.85	-27.72	32.78	41.79	54.00	7.15	H
5457.250	46.81	-27.71	32.78	41.75	54.00	7.19	H
11059.688	37.56	-35.04	39.02	33.57	54.00	16.44	V
15779.375	41.22	-33.07	39.06	35.24	54.00	12.78	V
17804.750	44.40	-31.55	41.97	33.98	54.00	9.60	V
17842.563	44.80	-31.48	41.92	34.36	54.00	9.20	V

©Copyright. All rights reserved by CTTL.

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)
5455.000	44.10	-27.73	32.77	39.05	54.00	9.90	H
5456.000	44.14	-27.72	32.77	39.09	54.00	9.86	H
11219.875	37.80	-35.13	39.09	33.84	54.00	16.20	H
15703.063	40.70	-33.16	39.04	34.82	54.00	13.30	V
17740.813	44.19	-31.46	42.06	33.59	54.00	9.81	V
17925.750	44.31	-31.26	41.80	33.77	54.00	9.69	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)
5408.000	42.80	-27.65	32.75	37.70	54.00	11.21	V
5419.500	42.88	-27.68	32.75	37.81	54.00	11.12	V
11380.063	37.74	-35.23	39.15	33.81	54.00	16.26	H
15758.063	39.79	-33.10	39.05	33.83	54.00	14.21	V
17751.813	44.36	-31.47	42.04	33.78	54.00	9.65	V
17929.875	43.91	-31.25	41.80	33.37	54.00	10.09	H

802.11ac-HT160

Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5363.000	48.35	-27.79	32.72	43.42	54.00	5.65	H
5373.250	48.19	-27.74	32.73	43.21	54.00	5.81	H
10500.063	36.65	-35.57	38.10	34.12	54.00	17.35	H
15749.813	39.46	-33.11	39.05	33.51	54.00	14.54	H
17723.625	43.87	-31.43	42.08	33.21	54.00	10.14	V
17974.563	44.29	-31.14	41.74	33.69	54.00	9.71	H

Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5452.750	48.23	-27.74	32.77	43.20	54.00	5.77	H
5453.750	48.16	-27.73	32.77	43.12	54.00	5.84	H
11140.125	37.22	-35.23	39.06	33.39	54.00	16.78	H
16710.250	41.25	-32.07	40.80	32.52	54.00	12.75	H

©Copyright. All rights reserved by CTTL.

17824.000	43.89	-31.52	41.94	33.46	54.00	10.12	H
17925.750	43.86	-31.26	41.80	33.32	54.00	10.14	V

802.11ax-HT160

Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5132.500	43.84	-28.25	32.58	39.51	54.00	10.16	H
5142.000	44.13	-28.23	32.59	39.77	54.00	9.87	H
10500.063	36.11	-35.57	38.10	33.59	54.00	17.89	H
15749.813	39.16	-33.11	39.05	33.22	54.00	14.84	V
17716.750	43.55	-31.42	42.09	32.88	54.00	10.45	H
17919.563	44.05	-31.28	41.81	33.51	54.00	9.95	H

Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5452.750	47.66	-27.74	32.77	42.62	54.00	6.35	H
5454.000	47.66	-27.73	32.77	42.62	54.00	6.34	H
11140.125	37.14	-35.23	39.06	33.31	54.00	16.87	V
16127.250	41.08	-33.02	39.46	34.63	54.00	12.93	H
17908.563	43.96	-31.31	41.83	33.44	54.00	10.04	H
17777.250	43.83	-31.51	42.01	33.33	54.00	10.17	V

©Copyright. All rights reserved by CTTL.

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)
5149.500	49.04	-28.19	32.59	44.64	54.00	4.96	H
5150.000	49.19	-28.19	32.59	44.79	54.00	4.81	H
10358.438	47.92	-35.48	38.02	45.39	68.30	20.38	H
15543.562	54.85	-33.26	39.01	49.11	74.00	19.15	H
16684.469	53.98	-31.98	40.76	45.20	68.30	14.32	H
17604.344	56.05	-31.33	42.25	45.13	68.30	12.25	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)
5180.500	60.82	-28.06	32.61	56.27	68.30	7.48	V
5216.500	60.85	-28.13	32.63	56.35	68.30	7.45	H
10399.344	48.49	-35.56	38.04	46.01	68.30	19.81	V
15596.500	53.67	-33.25	39.02	47.89	74.00	20.33	V
16855.312	54.32	-32.29	41.00	45.61	68.30	13.98	V
17483.000	55.84	-31.53	42.36	45.01	68.30	12.46	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)
5212.500	60.15	-28.11	32.63	55.64	68.30	8.15	H
5264.000	59.18	-28.01	32.66	54.53	68.30	9.12	V
10476.344	49.54	-35.57	38.09	47.03	68.30	18.76	V
15712.344	52.29	-33.15	39.04	46.40	74.00	21.71	H
16817.500	54.60	-32.30	40.95	45.95	68.30	13.70	V
17539.375	54.99	-31.44	42.34	44.08	68.30	13.31	H

©Copyright. All rights reserved by CTTL.

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)
5232.000	60.66	-28.17	32.64	56.18	68.30	7.64	H
5282.000	60.21	-27.88	32.67	55.42	68.30	8.09	H
10519.312	49.10	-35.59	38.14	46.55	68.30	19.20	H
15778.344	51.23	-33.07	39.06	45.24	74.00	22.77	V
17101.094	55.20	-31.89	41.45	45.64	68.30	13.10	H
17633.906	55.97	-31.29	42.21	45.05	68.30	12.33	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)
5251.000	61.10	-28.10	32.65	56.54	68.30	7.20	V
5307.000	59.21	-27.85	32.69	54.38	68.30	9.09	H
10557.469	50.72	-35.65	38.21	48.17	68.30	17.58	H
15835.406	52.47	-33.00	39.07	46.40	74.00	21.53	H
16759.406	54.05	-32.25	40.87	45.43	68.30	14.25	V
17589.906	55.39	-31.36	42.27	44.47	68.30	12.91	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)
5350.076	62.03	-27.86	32.71	57.18	74.00	11.97	H
5350.228	61.41	-27.86	32.71	56.56	74.00	12.59	H
10640.656	50.26	-35.72	38.36	47.62	68.30	18.04	V
15963.281	51.73	-32.84	39.09	45.47	74.00	22.27	H
16578.250	53.22	-31.81	40.61	44.43	68.30	15.08	H
17633.219	55.01	-31.29	42.21	44.09	68.30	13.29	V

©Copyright. All rights reserved by CTTL.

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)
5456.050	58.81	-27.72	32.77	53.75	74.00	15.19	H
5456.913	58.76	-27.72	32.78	53.70	74.00	15.24	H
10999.875	46.06	-35.21	39.00	42.27	74.00	27.94	H
16499.875	50.92	-32.06	40.50	42.48	68.30	17.38	V
17714.688	54.43	-31.42	42.10	43.75	74.00	19.57	V
17919.906	54.95	-31.28	41.81	44.42	74.00	19.05	V

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)
5510.500	59.14	-27.41	32.82	53.73	68.30	9.16	V
5631.500	61.24	-27.57	32.99	55.82	68.30	7.06	H
11160.063	47.49	-35.26	39.06	43.69	74.00	26.51	V
16740.156	52.01	-32.18	40.84	43.34	68.30	16.30	H
17849.438	54.85	-31.46	41.91	44.40	74.00	19.15	H
17945.688	55.18	-31.21	41.78	44.61	74.00	18.82	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)
5725.047	61.98	-27.44	33.12	56.30	68.30	6.32	H
5725.750	61.22	-27.44	33.12	55.54	68.30	7.08	H
11400.000	47.20	-35.21	39.16	43.24	74.00	26.80	V
17100.625	54.12	-31.89	41.44	44.57	68.30	14.17	H
17746.312	54.35	-31.46	42.05	43.76	74.00	19.65	V
17919.906	54.64	-31.28	41.81	44.11	74.00	19.36	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)
5680.500	59.03	-27.55	33.06	53.52	68.30	9.27	H
5753.000	57.31	-27.44	33.16	51.58	68.30	10.99	V
11439.875	45.92	-35.16	39.18	41.90	74.00	28.08	V
17159.875	51.55	-31.87	41.59	41.84	68.30	16.75	V
17735.312	54.79	-31.45	42.07	44.17	74.00	19.21	V

©Copyright. All rights reserved by CTTL.

17934.000	54.64	-31.24	41.79	44.09	74.00	19.36	V

802.11n-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)
5149.691	60.02	-28.19	32.59	55.62	74.00	13.98	H
5149.866	60.40	-28.19	32.59	56.00	74.00	13.60	H
10360.156	45.62	-35.49	38.02	43.09	68.30	22.68	H
15540.125	49.10	-33.26	39.01	43.36	74.00	24.90	V
16575.156	54.61	-31.82	40.61	45.83	68.30	13.69	H
17451.031	55.14	-31.58	42.28	44.44	68.30	13.16	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)
5172.000	57.50	-28.09	32.61	52.99	68.30	10.80	V
5231.000	57.29	-28.17	32.64	52.82	68.30	11.01	H
10400.031	45.52	-35.56	38.04	43.04	68.30	22.78	H
15599.938	48.65	-33.24	39.02	42.88	74.00	25.35	H
16691.000	54.63	-32.00	40.77	45.86	68.30	13.67	V
17472.000	54.87	-31.55	42.33	44.08	68.30	13.43	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)
5213.500	56.42	-28.12	32.63	51.91	68.30	11.88	H
5265.000	56.73	-28.00	32.66	52.06	68.30	11.57	H
10480.125	47.16	-35.57	38.09	44.65	68.30	21.14	H
15719.906	49.59	-33.14	39.04	43.69	74.00	24.41	V
16835.719	54.20	-32.29	40.97	45.51	68.30	14.11	V
17472.688	56.19	-31.55	42.34	45.40	68.30	12.11	H

©Copyright. All rights reserved by CTTL.

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)
5234.000	56.27	-28.18	32.64	51.81	68.30	12.03	H
5287.500	56.18	-27.85	32.68	51.35	68.30	12.12	H
10520.000	46.81	-35.59	38.14	44.26	68.30	21.49	V
15780.062	49.73	-33.07	39.06	43.75	74.00	24.27	H
16833.656	55.30	-32.29	40.97	46.62	68.30	13.00	H
17376.781	55.84	-31.72	42.11	45.46	68.30	12.46	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)
5247.500	56.47	-28.12	32.65	51.94	68.30	11.83	H
5308.500	57.30	-27.86	32.69	52.47	68.30	11.00	H
10561.250	52.19	-35.66	38.21	49.63	68.30	16.11	V
15845.719	52.38	-32.99	39.07	46.30	74.00	21.62	V
16829.188	54.49	-32.29	40.96	45.82	68.30	13.81	H
17554.500	56.19	-31.41	42.32	45.28	68.30	12.11	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)
5350.059	63.63	-27.86	32.71	58.78	74.00	10.37	H
5350.279	63.40	-27.86	32.71	58.55	74.00	10.60	H
10641.688	52.29	-35.72	38.36	49.65	68.30	16.01	V
15962.938	52.51	-32.84	39.09	46.25	74.00	21.49	H
16574.125	55.31	-31.83	40.61	46.54	68.30	12.98	V
17597.812	55.19	-31.34	42.26	44.28	68.30	13.11	H

©Copyright. All rights reserved by CTTL.

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)
5455.938	58.16	-27.72	32.77	53.10	74.00	15.84	H
5459.500	57.99	-27.70	32.78	52.92	74.00	16.01	H
10999.875	45.81	-35.21	39.00	42.02	74.00	28.19	V
16499.875	50.92	-32.06	40.50	42.47	68.30	17.38	V
17769.875	54.69	-31.50	42.02	44.17	74.00	19.31	H
17858.031	55.30	-31.44	41.90	44.84	74.00	18.70	V

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)
5545.000	57.40	-27.24	32.87	51.77	68.30	10.90	H
5614.500	57.67	-27.56	32.97	52.26	68.30	10.63	V
11160.063	47.19	-35.26	39.06	43.39	74.00	26.81	H
16740.156	50.20	-32.18	40.84	41.54	68.30	18.10	V
17765.219	54.90	-31.49	42.03	44.37	74.00	19.10	V
17943.625	54.49	-31.22	41.78	43.93	74.00	19.51	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)
5725.047	60.45	-27.44	33.12	54.77	68.30	7.85	H
5725.500	60.99	-27.44	33.12	55.30	68.30	7.31	H
11400.000	47.31	-35.21	39.16	43.36	74.00	26.69	V
17100.062	51.50	-31.89	41.44	41.95	68.30	16.80	H
17736.344	54.44	-31.45	42.07	43.82	74.00	19.56	H
17898.594	54.71	-31.33	41.84	44.20	74.00	19.29	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)
5674.000	57.46	-27.56	33.05	51.97	68.30	10.84	V
5754.500	56.72	-27.44	33.16	51.00	68.30	11.58	V
11439.875	45.66	-35.16	39.18	41.64	74.00	28.34	V
17159.875	52.17	-31.87	41.59	42.45	68.30	16.13	H
17846.688	54.85	-31.47	41.91	44.40	74.00	19.15	V

©Copyright. All rights reserved by CTTL.

17956.000	55.45	-31.19	41.76	44.88	74.00	18.55	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)
5149.319	59.60	-28.20	32.60	55.19	74.00	14.40	H
5149.822	59.00	-28.20	32.60	54.61	74.00	15.00	H
10357.062	49.16	-35.48	38.02	46.63	68.30	19.14	V
15539.094	53.06	-33.27	39.01	47.31	74.00	20.94	V
16841.906	54.76	-32.29	40.98	46.06	68.30	13.54	V
17334.844	56.00	-31.80	42.01	45.79	68.30	12.30	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)
5174.500	55.45	-28.08	32.61	50.92	68.30	12.85	H
5226.000	56.38	-28.15	32.64	51.89	68.30	11.92	V
10402.094	48.25	-35.57	38.04	45.77	68.30	20.05	H
15598.219	52.35	-33.25	39.02	46.57	74.00	21.65	V
17145.094	54.53	-31.87	41.55	44.85	68.30	13.77	H
17561.375	55.55	-31.40	42.31	44.64	68.30	12.76	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)
5210.500	56.15	-28.11	32.63	51.63	68.30	12.15	V
5266.500	56.24	-27.99	32.66	51.57	68.30	12.05	H
10476.000	49.20	-35.57	38.09	46.69	68.30	19.10	H
15718.875	51.85	-33.14	39.04	45.95	74.00	22.15	H
17137.531	54.87	-31.86	41.53	45.20	68.30	13.43	H
17598.500	55.61	-31.34	42.26	44.69	68.30	12.69	H

©Copyright. All rights reserved by CTTL.

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)
5228.000	55.30	-28.16	32.64	50.82	68.30	13.00	H
5315.500	56.28	-27.87	32.69	51.46	68.30	12.02	V
10514.844	50.08	-35.58	38.13	47.53	68.30	18.22	V
15779.031	53.79	-33.07	39.06	47.80	74.00	20.21	H
16381.163	53.05	-32.29	40.17	45.17	68.30	15.25	V
17567.906	55.21	-31.39	42.30	44.30	68.30	13.09	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)
5253.000	55.41	-28.08	32.66	50.83	68.30	12.89	V
5308.500	55.96	-27.86	32.69	51.13	68.30	12.34	V
10555.750	51.85	-35.65	38.20	49.30	68.30	16.45	V
15837.125	51.80	-33.00	39.07	45.73	74.00	22.20	V
16574.469	53.95	-31.83	40.61	45.17	68.30	14.35	H
17488.156	55.73	-31.52	42.37	44.88	68.30	12.57	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)
5350.245	63.22	-27.86	32.71	58.37	74.00	10.78	H
5350.701	62.75	-27.86	32.71	57.90	74.00	11.25	H
10637.219	50.34	-35.72	38.35	47.71	68.30	17.96	H
15956.062	52.48	-32.85	39.09	46.23	74.00	21.52	V
16824.031	54.35	-32.29	40.96	45.69	68.30	13.95	V
17567.562	55.80	-31.39	42.30	44.89	68.30	12.50	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)
5455.038	58.78	-27.73	32.77	53.73	74.00	15.22	H
5455.525	58.00	-27.72	32.77	52.95	74.00	16.00	H
10999.875	45.95	-35.21	39.00	42.16	74.00	28.05	H
16499.875	50.47	-32.06	40.50	42.03	68.30	17.83	V
17851.500	55.60	-31.45	41.91	45.15	74.00	18.40	H

©Copyright. All rights reserved by CTTL.

17967.688	54.91	-31.16	41.74	44.32	74.00	19.09	V

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)
5514.000	55.92	-27.39	32.82	50.49	68.30	12.38	V
5652.500	57.16	-27.57	33.02	51.71	68.30	11.15	V
11160.063	45.73	-35.26	39.06	41.93	74.00	28.27	H
16740.156	51.27	-32.18	40.84	42.60	68.30	17.04	V
17730.156	53.47	-31.44	42.08	42.83	74.00	20.53	V
17908.219	55.90	-31.31	41.83	45.38	74.00	18.10	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)
5725.234	59.06	-27.44	33.12	53.37	68.30	9.24	H
5725.609	58.96	-27.44	33.12	53.27	68.30	9.34	H
11400.000	47.68	-35.21	39.16	43.73	74.00	26.32	V
17100.062	51.27	-31.89	41.44	41.72	68.30	17.03	H
17779.312	54.90	-31.52	42.01	44.40	74.00	19.10	V
17950.500	54.87	-31.20	41.77	44.30	74.00	19.13	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)
5670.000	56.46	-27.57	33.04	50.99	68.30	11.84	V
5783.000	56.89	-27.45	33.20	51.14	68.30	11.41	V
11439.875	45.70	-35.16	39.18	41.68	74.00	28.30	H
17159.875	52.14	-31.87	41.59	42.42	68.30	16.16	V
17767.625	54.76	-31.50	42.02	44.23	74.00	19.24	H
17888.281	54.89	-31.36	41.85	44.40	74.00	19.11	H

©Copyright. All rights reserved by CTTL.

802.11ax-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)
5143.500	63.30	-28.22	32.59	58.93	74.00	10.70	H
5148.006	63.61	-28.20	32.59	59.21	74.00	10.40	H
10360.844	49.87	-35.49	38.02	47.34	68.30	18.44	V
15539.094	52.99	-33.27	39.01	47.24	74.00	21.01	V
16183.438	55.48	-32.79	39.62	48.66	68.30	12.82	V
17569.281	55.80	-31.39	42.30	44.89	68.30	12.50	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)
5170.000	56.00	-28.10	32.61	51.50	68.30	12.30	H
5229.500	56.53	-28.16	32.64	52.05	68.30	11.77	H
10403.813	48.93	-35.57	38.04	46.46	68.30	19.37	H
15606.469	52.11	-33.24	39.02	46.33	74.00	21.89	V
16602.656	53.88	-31.74	40.65	44.98	68.30	14.42	V
17189.781	54.87	-31.88	41.66	45.09	68.30	13.43	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)
5211.000	56.55	-28.11	32.63	52.03	68.30	11.75	H
5270.000	56.33	-27.97	32.67	51.62	68.30	11.98	V
10483.906	51.52	-35.57	38.09	49.01	68.30	16.78	V
15717.844	52.76	-33.14	39.04	46.86	74.00	21.25	V
16386.781	53.72	-32.28	40.19	45.82	68.30	14.58	V
17473.031	56.06	-31.54	42.34	45.27	68.30	12.24	H

©Copyright. All rights reserved by CTTL.

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)
5233.000	55.2	-28.2	32.6	50.78	68.3	13.1	H
5294.000	55.6	-27.8	32.7	50.78	68.3	12.7	V
10521.375	51.0	-35.6	38.1	48.45	68.3	17.3	V
15787.625	53.0	-33.1	39.1	47.00	74.0	21.0	H
16551.438	54.5	-31.9	40.6	45.77	68.3	13.9	H
17467.281	55.5	-31.6	42.3	44.72	68.3	12.8	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)
5248.000	56.4	-28.1	32.7	51.81	68.3	11.9	V
5314.500	56.5	-27.9	32.7	51.67	68.3	11.8	H
10556.438	50.4	-35.6	38.2	47.87	68.3	17.9	V
15835.750	53.2	-33.0	39.1	47.12	74.0	20.8	H
17105.563	55.2	-31.9	41.5	45.61	68.3	13.1	V
17544.531	55.3	-31.4	42.3	44.43	68.3	13.0	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)
5350.262	63.0	-27.9	32.7	58.17	74.0	11.0	H
5350.414	62.7	-27.9	32.7	57.85	74.0	11.3	H
10641.000	50.4	-35.7	38.4	47.80	68.3	17.9	V
15949.188	52.8	-32.9	39.1	46.56	74.0	21.2	H
16847.063	54.5	-32.3	41.0	45.85	68.3	13.8	V
17465.469	55.5	-31.6	42.3	44.78	68.3	12.8	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)
5457.306	60.60	-27.71	32.78	55.54	74.00	13.40	H
5459.444	60.77	-27.70	32.78	55.69	74.00	13.23	H
10999.875	46.09	-35.21	39.00	42.30	74.00	27.91	V
16499.875	52.19	-32.06	40.50	43.74	68.30	16.11	H
17745.969	54.65	-31.46	42.05	44.06	74.00	19.35	H

©Copyright. All rights reserved by CTTL.

17954.625	54.76	-31.19	41.76	44.18	74.00	19.24	V

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)
5510.000	55.41	-27.41	32.81	50.00	68.30	12.89	H
5662.500	56.27	-27.57	33.03	50.81	68.30	12.03	H
11160.063	47.12	-35.26	39.06	43.32	74.00	26.88	H
16740.156	50.04	-32.18	40.84	41.38	68.30	18.26	V
17744.938	54.19	-31.46	42.05	43.59	74.00	19.81	V
17879.000	54.85	-31.38	41.87	44.37	74.00	19.15	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)
5725.156	63.60	-27.44	33.12	57.91	68.30	4.70	H
5726.797	59.95	-27.43	33.13	54.26	68.30	8.35	H
11400.000	48.58	-35.21	39.16	44.63	74.00	25.42	V
17100.063	52.29	-31.89	41.44	42.74	68.30	16.01	H
17718.469	54.36	-31.42	42.09	43.69	74.00	19.64	H
17880.719	54.82	-31.38	41.87	44.33	74.00	19.18	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)
5668.500	56.92	-27.57	33.04	51.45	68.30	11.38	V
5765.000	56.71	-27.44	33.18	50.97	68.30	11.60	H
11439.875	47.09	-35.16	39.18	43.07	74.00	26.91	V
17159.875	51.91	-31.87	41.59	42.19	68.30	16.39	H
17842.906	55.25	-31.48	41.92	44.80	74.00	18.75	V
17978.344	55.13	-31.13	41.73	44.53	74.00	18.87	H

©Copyright. All rights reserved by CTTL.

802.11n-HT40

Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5144.506	62.70	-28.20	32.60	58.36	74.00	11.30	H
5144.922	62.90	-28.20	32.60	58.53	74.00	11.10	H
10387.656	49.48	-35.54	38.03	46.98	68.30	18.82	H
15570.031	51.68	-33.25	39.01	45.92	74.00	22.32	V
16587.188	54.90	-31.79	40.62	46.07	68.30	13.40	H
17264.375	56.11	-31.89	41.84	46.17	68.30	12.19	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)
5178.500	58.93	-28.06	32.61	54.38	68.30	9.37	V
5275.500	59.63	-27.93	32.67	54.89	68.30	8.67	H
10450.562	48.78	-35.57	38.07	46.29	68.30	19.52	H
15690.688	52.82	-33.18	39.04	46.95	74.00	21.18	H
16964.625	53.85	-32.21	41.15	44.91	68.30	14.45	H
17615.344	55.87	-31.32	42.24	44.95	68.30	12.43	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)
5215.500	56.39	-28.12	32.63	51.88	68.30	11.91	V
5333.500	55.49	-27.89	32.70	50.68	68.30	12.81	V
10536.844	50.10	-35.62	38.17	47.54	68.30	18.20	V
15811.000	52.06	-33.03	39.06	46.03	74.00	21.94	V
16693.406	54.17	-32.01	40.77	45.41	68.30	14.13	H
17393.969	55.60	-31.69	42.15	45.14	68.30	12.70	H

©Copyright. All rights reserved by CTTL.

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)
5350.414	64.67	-27.86	32.71	59.82	74.00	9.33	H
5352.017	62.83	-27.85	32.71	57.97	74.00	11.17	H
10626.562	50.37	-35.73	38.33	47.77	68.30	17.93	H
15932.344	52.00	-32.88	39.09	45.79	74.00	22.00	V
17204.526	54.61	-31.88	41.70	44.80	68.30	13.69	V
17604.000	55.58	-31.33	42.25	44.67	68.30	12.72	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)
5459.106	61.40	-27.70	32.78	56.33	74.00	12.60	H
5459.950	61.67	-27.70	32.78	56.59	74.00	12.33	H
11020.156	46.26	-35.12	39.01	42.38	74.00	27.74	V
16530.125	51.60	-31.96	40.54	43.02	68.30	16.70	H
17844.625	56.32	-31.47	41.92	45.88	74.00	17.68	H
17964.250	54.53	-31.17	41.75	43.95	74.00	19.47	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)
5484.000	56.28	-27.56	32.79	51.05	68.30	12.02	H
5678.000	56.80	-27.55	33.06	51.30	68.30	11.50	H
11180.000	46.71	-35.22	39.07	42.86	74.00	27.29	V
16770.062	52.13	-32.28	40.88	43.53	68.30	16.17	H
17718.469	54.87	-31.42	42.09	44.20	74.00	19.13	V
17898.938	54.97	-31.33	41.84	44.46	74.00	19.03	V

©Copyright. All rights reserved by CTTL.

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)
5725.703	62.54	-27.44	33.12	56.85	68.30	5.76	H
5726.688	63.99	-27.44	33.12	58.30	68.30	4.31	H
11339.844	47.67	-35.15	39.14	43.69	74.00	26.33	V
17010.000	51.74	-32.10	41.22	42.62	68.30	16.56	V
17760.625	55.78	-31.49	42.03	45.24	74.00	18.22	V
17875.562	55.56	-31.39	41.87	45.08	74.00	18.44	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)
5605.500	57.63	-27.50	32.95	52.18	68.30	10.67	H
5797.500	57.34	-27.47	33.22	51.59	68.30	10.96	V
11419.938	46.82	-35.18	39.17	42.84	74.00	27.18	V
17129.969	50.92	-31.86	41.52	41.26	68.30	17.38	V
17796.500	54.49	-31.54	41.98	44.05	74.00	19.51	V
17986.250	55.35	-31.11	41.72	44.74	74.00	18.65	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)
5142.844	63.70	-28.22	32.59	59.34	74.00	10.30	H
5146.322	64.02	-28.21	32.59	59.64	74.00	9.98	H
10375.969	48.49	-35.52	38.03	45.98	68.30	19.81	V
15560.750	51.98	-33.26	39.01	46.23	74.00	22.02	V
17036.125	54.34	-32.04	41.29	45.10	68.30	13.96	V
17494.000	55.37	-31.51	42.39	44.50	68.30	12.93	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)
5171.000	56.71	-28.10	32.61	52.20	68.30	11.59	H
5288.000	56.71	-27.84	32.68	51.88	68.30	11.59	H
10456.062	48.57	-35.57	38.07	46.07	68.30	19.73	H
15686.562	52.41	-33.18	39.04	46.55	74.00	21.59	V

©Copyright. All rights reserved by CTTL.

16666.594	54.42	-31.91	40.74	45.60	68.30	13.88	H
17366.469	56.01	-31.74	42.08	45.67	68.30	12.29	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)
5210.500	57.07	-28.11	32.63	52.55	68.30	11.23	H
5338.000	56.86	-27.90	32.71	52.05	68.30	11.44	V
10549.562	49.74	-35.64	38.19	47.19	68.30	18.56	V
15809.281	51.94	-33.03	39.06	45.91	68.30	16.36	H
16650.781	53.50	-31.86	40.71	44.64	68.30	14.80	H
17510.844	54.81	-31.48	42.38	43.91	68.30	13.49	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)
5350.329	64.73	-27.86	32.71	59.88	74.00	9.27	H
5350.734	64.70	-27.86	32.71	59.85	74.00	9.30	H
10616.250	50.01	-35.74	38.31	47.44	68.30	18.29	V
15938.875	52.07	-32.87	39.09	45.85	74.00	21.93	H
16663.844	52.99	-31.90	40.73	44.17	68.30	15.31	V
17547.969	55.46	-31.42	42.33	44.56	68.30	12.84	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)
5458.525	63.12	-27.71	32.78	58.05	74.00	10.88	H
5459.800	64.06	-27.70	32.78	58.98	74.00	9.94	H
11020.156	45.47	-35.12	39.01	41.58	74.00	28.53	V
16530.125	51.75	-31.96	40.54	43.17	68.30	16.55	H
17920.250	54.23	-31.28	41.81	43.70	74.00	19.77	H
17790.656	54.84	-31.53	41.99	44.38	74.00	19.16	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)
5447.500	57.10	-27.75	32.77	52.08	68.30	11.20	H
5688.000	57.48	-27.53	33.07	51.94	68.30	10.82	H

©Copyright. All rights reserved by CTTL.

11180.000	47.86	-35.22	39.07	44.00	74.00	26.14	H
16770.062	50.91	-32.28	40.88	42.31	68.30	17.39	V
17718.469	54.90	-31.42	42.09	44.23	74.00	19.10	H
17860.875	54.96	-31.43	41.89	44.49	74.00	19.04	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)
5725.875	61.69	-27.44	33.12	56.00	68.30	6.61	H
5726.859	62.41	-27.43	33.13	56.72	68.30	5.89	H
11339.844	45.79	-35.15	39.14	41.81	74.00	28.21	V
17010.000	50.54	-32.10	41.22	41.42	68.30	17.76	H
17708.500	54.85	-31.41	42.11	44.15	74.00	19.15	H
17966.312	54.33	-31.16	41.75	43.75	74.00	19.67	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)
5604.000	57.15	-27.49	32.95	51.69	68.30	11.15	V
5782.500	58.39	-27.45	33.20	52.64	68.30	9.91	H
11419.938	46.60	-35.18	39.17	42.61	74.00	27.40	H
17129.969	51.65	-31.86	41.52	42.00	68.30	16.65	V
17879.344	55.21	-31.38	41.87	44.72	74.00	18.79	H
17760.750	54.51	-31.49	42.03	43.96	74.00	19.49	H

©Copyright. All rights reserved by CTTL.

802.11ax-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)
5144.047	64.50	-28.20	32.60	60.17	74.00	9.50	H
5145.272	67.60	-28.20	32.60	63.21	74.00	6.40	H
10384.219	49.10	-35.53	38.03	46.60	68.30	19.20	V
15573.125	52.89	-33.25	39.01	47.13	74.00	21.11	H
16804.781	54.84	-32.30	40.93	46.22	68.30	13.46	V
17601.250	55.91	-31.34	42.26	44.99	68.30	12.39	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)
5175.000	58.74	-28.08	32.61	54.21	68.30	9.56	H
5292.500	56.20	-27.83	32.68	51.35	68.30	12.10	V
10459.156	49.12	-35.57	38.08	46.62	68.30	19.18	V
15693.438	51.83	-33.17	39.04	45.97	74.00	22.17	H
17088.719	55.20	-31.92	41.42	45.70	68.30	13.10	H
17344.813	55.15	-31.79	42.03	44.90	68.30	13.15	V

Channel 54

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5218.500	57.7	-28.1	32.6	53.22	68.3	10.6	V
5332.000	56.2	-27.9	32.7	51.35	68.3	12.1	V
10553.000	51.6	-35.6	38.2	49.02	68.3	16.7	V
15824.750	52.9	-33.0	39.1	46.81	74.0	21.1	V
16671.750	54.3	-31.9	40.7	45.47	68.3	14.0	H
17481.625	56.6	-31.5	42.4	45.76	68.3	11.7	V

©Copyright. All rights reserved by CTTL.

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)
5350.228	64.7	-27.9	32.7	59.85	74.0	9.3	H
5359.358	65.0	-27.8	32.7	60.10	74.0	9.0	H
10622.781	50.2	-35.7	38.3	47.66	68.3	18.1	H
15932.347	52.1	-32.9	39.1	45.85	74.0	21.9	H
16719.875	53.5	-32.1	40.8	44.81	68.3	14.8	H
17586.125	55.0	-31.4	42.3	44.10	68.3	13.3	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)
5455.581	64.66	-27.72	32.77	59.61	74.00	9.34	H
5459.669	64.40	-27.70	32.78	59.32	74.00	9.61	H
11339.844	47.52	-35.15	39.14	43.54	74.00	26.48	V
17010.000	50.57	-32.10	41.22	41.45	68.30	17.73	V
17792.375	54.48	-31.54	41.99	44.02	74.00	19.52	H
17927.125	55.05	-31.26	41.80	44.51	74.00	18.95	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)
5493.500	56.43	-27.50	32.80	51.13	68.30	11.87	V
5673.500	58.01	-27.57	33.05	52.52	68.30	10.29	H
11180.000	46.42	-35.22	39.07	42.56	74.00	27.58	H
16770.063	51.51	-32.28	40.88	42.91	68.30	16.79	V
17826.406	54.58	-31.52	41.94	44.15	74.00	19.42	H
17981.781	54.94	-31.12	41.73	44.33	74.00	19.07	V

©Copyright. All rights reserved by CTTL.

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)
5725.125	61.60	-27.44	33.12	55.91	68.30	6.70	H
5728.188	61.85	-27.43	33.13	56.15	68.30	6.45	H
11339.844	49.49	-35.15	39.14	45.50	74.00	24.51	V
17010.000	51.08	-32.10	41.22	41.96	68.30	17.22	V
17815.063	55.79	-31.55	41.96	45.38	74.00	18.21	H
17932.969	55.28	-31.24	41.79	44.73	74.00	18.72	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)
5598.500	57.45	-27.45	32.94	51.96	68.30	10.85	H
5791.500	57.97	-27.46	33.22	52.21	68.30	10.33	V
11419.938	46.67	-35.18	39.17	42.68	74.00	27.33	H
17129.969	52.72	-31.86	41.52	43.07	68.30	15.58	V
17720.875	55.00	-31.42	42.09	44.33	74.00	19.00	H
17933.656	54.50	-31.24	41.79	43.95	74.00	19.51	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)
5147.941	62.35	-28.20	32.59	57.96	74.00	11.65	H
5149.253	62.18	-28.20	32.59	57.78	74.00	11.82	H
10419.969	45.85	-35.57	38.05	43.37	68.30	22.45	H
15636.719	49.95	-33.23	39.03	44.15	74.00	24.05	V
16804.094	53.16	-32.30	40.93	44.53	68.30	15.14	H
17398.438	54.82	-31.68	42.16	44.35	68.30	13.48	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)
5354.784	64.59	-27.84	32.72	59.71	74.00	9.41	H
5357.788	62.89	-27.82	32.72	58.00	74.00	11.11	H
10580.844	48.82	-35.69	38.25	46.26	68.30	19.48	H
15870.125	49.27	-32.96	39.07	43.15	74.00	24.73	V

©Copyright. All rights reserved by CTTL.

17092.500	54.02	-31.91	41.42	44.51	68.30	14.28	H
17600.219	55.57	-31.34	42.26	44.65	68.30	12.73	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)
5456.125	62.67	-27.72	32.77	57.61	74.00	11.33	H
5457.531	62.53	-27.71	32.78	57.46	74.00	11.47	H
11060.031	46.86	-35.04	39.02	42.87	74.00	27.14	H
16589.938	51.72	-31.78	40.63	42.87	68.30	16.58	H
17844.969	54.70	-31.47	41.91	44.26	74.00	19.30	V
17925.750	54.73	-31.26	41.80	44.19	74.00	19.27	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)
5737.813	57.92	-27.43	33.14	52.21	68.30	10.38	H
5745.719	57.78	-27.44	33.15	52.06	68.30	10.52	H
11219.875	47.83	-35.13	39.09	43.87	74.00	26.17	V
16829.875	52.53	-32.29	40.96	43.86	68.30	15.77	H
17837.750	54.71	-31.49	41.92	44.28	74.00	19.29	V
17903.406	54.67	-31.32	41.83	44.15	74.00	19.34	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)
5553.500	56.13	-27.20	32.88	50.45	74.00	17.88	H
5790.000	57.15	-27.46	33.21	51.39	74.00	16.85	V
11380.063	47.30	-35.23	39.15	43.38	74.00	26.70	V
17070.153	52.94	-31.96	41.37	43.53	68.30	15.36	V
17828.125	54.99	-31.51	41.94	44.56	74.00	19.01	H
17904.781	54.84	-31.32	41.83	44.33	74.00	19.16	V

©Copyright. All rights reserved by CTTL.

802.11ax-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)
5145.688	61.84	-28.21	32.59	57.46	74.00	12.16	H
5147.394	62.00	-28.20	32.59	57.61	74.00	12.01	H
10419.969	47.19	-35.57	38.05	44.71	68.30	21.11	H
15629.844	49.22	-33.23	39.03	43.43	74.00	24.78	V
16817.156	54.52	-32.30	40.95	45.87	68.30	13.78	H
17465.469	55.84	-31.56	42.32	45.08	68.30	12.46	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)
5356.455	62.04	-27.83	32.72	57.16	74.00	11.96	H
5357.338	62.03	-27.83	32.72	57.13	74.00	11.97	H
10580.844	48.62	-35.69	38.25	46.06	68.30	19.68	V
15863.250	51.61	-32.96	39.07	45.50	74.00	22.40	H
16533.906	52.94	-31.95	40.55	44.35	68.30	15.36	H
17393.969	54.74	-31.69	42.15	44.28	68.30	13.56	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)
5455.938	63.99	-27.72	32.77	58.93	74.00	10.02	H
5456.763	63.64	-27.72	32.78	58.58	74.00	10.36	H
11060.031	46.26	-35.04	39.02	42.27	74.00	27.74	V
16589.938	51.25	-31.78	40.63	42.40	68.30	17.06	V
17817.469	55.87	-31.54	41.95	45.45	74.00	18.14	H
17983.844	54.68	-31.12	41.72	44.07	74.00	19.32	H

©Copyright. All rights reserved by CTTL.

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)
5726.047	61.54	-27.44	33.12	55.85	68.30	6.76	H
5726.844	61.42	-27.43	33.13	55.73	68.30	6.88	H
11219.875	47.27	-35.13	39.09	43.31	74.00	26.73	V
16829.975	51.56	-32.29	40.96	42.88	68.30	16.75	V
17756.625	54.98	-31.48	42.04	44.42	74.00	19.02	H
17951.188	54.79	-31.20	41.77	44.22	74.00	19.21	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)
5559.500	57.62	-27.17	32.89	51.90	68.30	10.68	V
5779.500	58.49	-27.45	33.20	52.73	68.30	9.81	V
11380.063	47.08	-35.23	39.15	43.16	74.00	26.92	H
17070.156	52.42	-31.96	41.37	43.01	68.30	15.88	H
17879.688	55.05	-31.38	41.87	44.57	74.00	18.95	V
17954.281	55.84	-31.19	41.76	45.26	74.00	18.16	H

802.11ac-HT160

Channel 50

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5095.375	62.51	-27.95	32.56	57.89	74.00	11.50	H
5144.419	62.38	-28.22	32.59	58.01	74.00	11.62	H
10500.063	45.52	-35.57	38.10	42.99	68.30	22.78	H
15750.156	47.49	-33.11	39.05	41.54	74.00	26.51	V
16487.156	52.40	-32.09	40.46	44.03	74.00	21.60	H
17521.156	55.14	-31.47	42.37	44.23	74.00	18.86	H

Channel 114

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5435.538	62.67	-27.72	32.76	57.63	68.30	5.63	H
5436.869	62.38	-27.72	32.76	57.34	68.30	5.92	H
11140.125	46.83	-35.23	39.06	43.00	68.30	21.47	V

©Copyright. All rights reserved by CTTL.

16709.906	50.51	-32.07	40.80	41.78	74.00	23.49	H
17819.875	54.90	-31.53	41.95	44.48	74.00	19.10	V
17963.563	55.09	-31.17	41.75	44.51	74.00	18.91	V

802.11ax-HT160

Channel 50

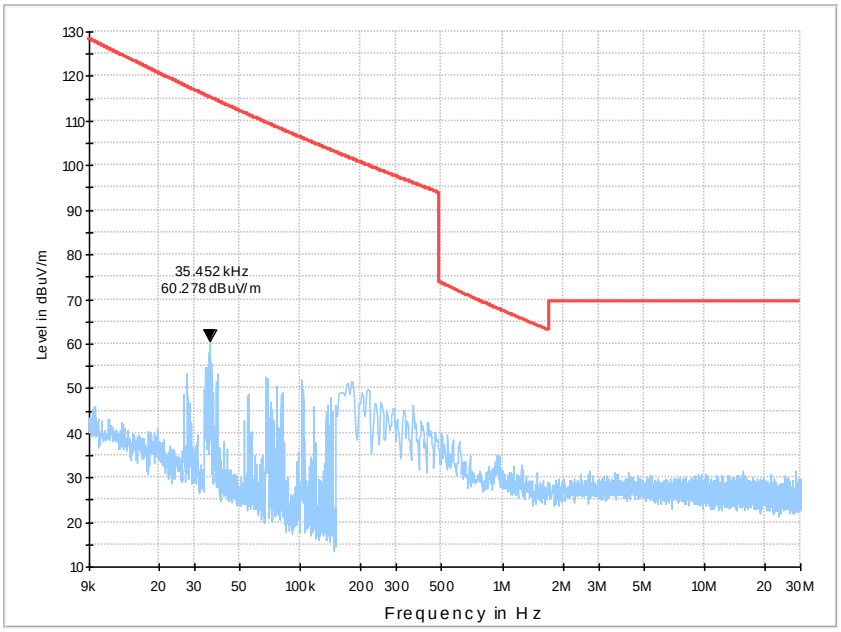
Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5134.925	58.13	-28.26	32.58	53.80	74.00	15.87	H
5140.897	58.39	-28.23	32.59	54.04	74.00	15.61	H
10500.033	46.33	-35.57	38.10	43.81	68.30	21.97	V
15750.156	49.49	-33.11	39.05	43.54	68.30	18.81	V
16580.313	53.67	-31.81	40.61	44.86	74.00	20.33	H
17400.156	55.11	-31.68	42.16	44.63	74.00	18.89	H

Channel 114

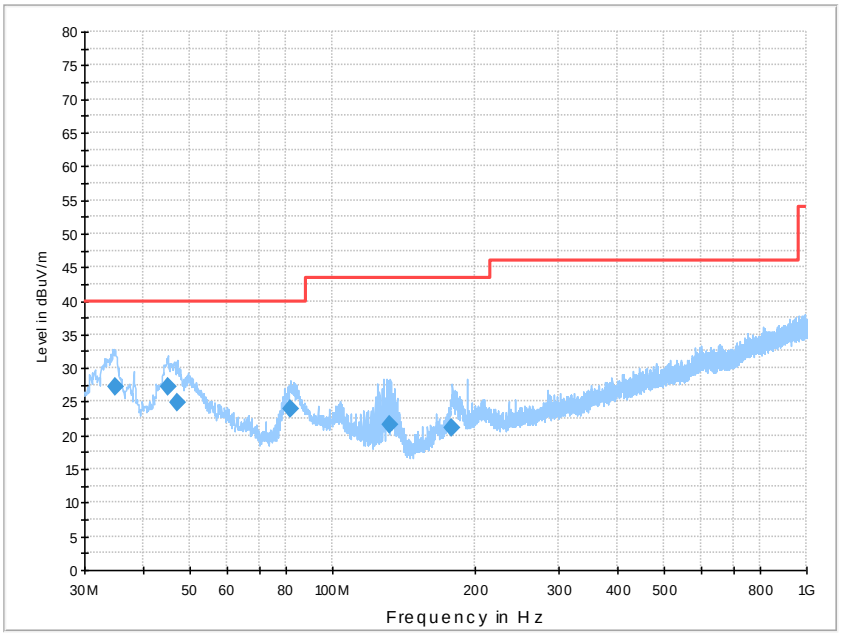
Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5435.144	62.96	-27.72	32.76	57.91	74.00	11.05	H
5441.350	62.64	-27.73	32.77	57.61	74.00	11.36	H
11140.125	47.12	-35.23	39.06	43.29	74.00	26.89	H
16709.906	50.91	-32.07	40.80	42.18	68.30	17.39	V
17720.875	54.43	-31.42	42.09	43.77	74.00	19.57	V
17884.844	55.53	-31.37	41.86	45.03	74.00	18.47	V

©Copyright. All rights reserved by CTTL.

WOSRT CASE BELOW 30MHz（EUT2, MIMO, 802.11a CH40）



WOSRT CASE 30MHz-1GHz（EUT2, MIMO, 802.11a CH40）



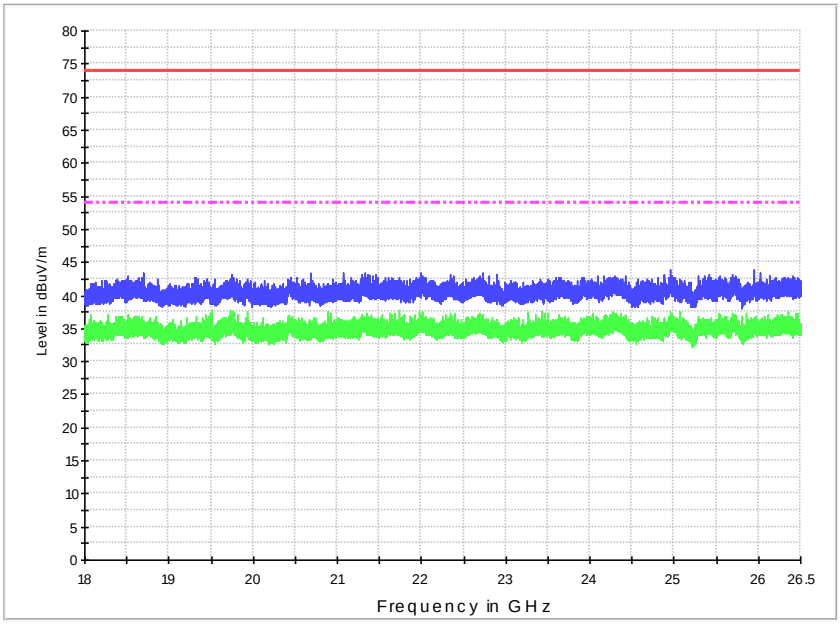
Final Result 1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
34.753	27.32	-14.36	12.78	28.91	40.00	12.68	V
44.938	27.28	-14.24	13.95	27.56	40.00	12.72	V

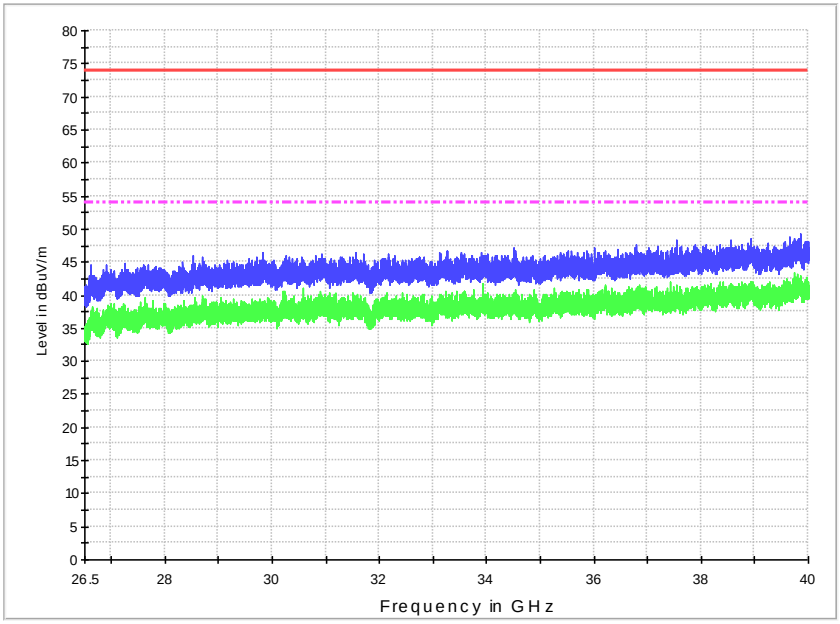
©Copyright. All rights reserved by CTTL.

47.072	24.94	-14.20	13.97	25.17	40.00	15.06	V
81.604	23.94	-13.81	7.51	30.24	40.00	16.06	V
132.529	21.70	-13.36	8.24	26.82	43.50	21.80	V
179.089	21.02	-12.76	9.15	24.63	43.50	22.48	V

WOSRT CASE 18GHz-26.5 GHz（EUT2, MIMO, 802.11a CH40）



WOSRT CASE 26.5 GHz-40GHz-（EUT2, MIMO, 802.11a CH40）



©Copyright. All rights reserved by CTTL.

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

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement uncertainty:

Expanded measurement uncertainty for this test item is U =3.10dB, k=2.

Measurement Result and limit:

Measurement Result = Receiver Reading + Votage diviation factor + Cable loss

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT1+AE1+AE2+AE4	EUT1+Charger1
Set.2	EUT2+AE9+AE3+AE5	EUT2+Charger2

Note：All combinations were tested，and only the worst results are shown in this report.

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Set.2		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.165	Fig.166	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
		Set.2		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.165	Fig.166	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:

©Copyright. All rights reserved by CTTL.

Traffic:

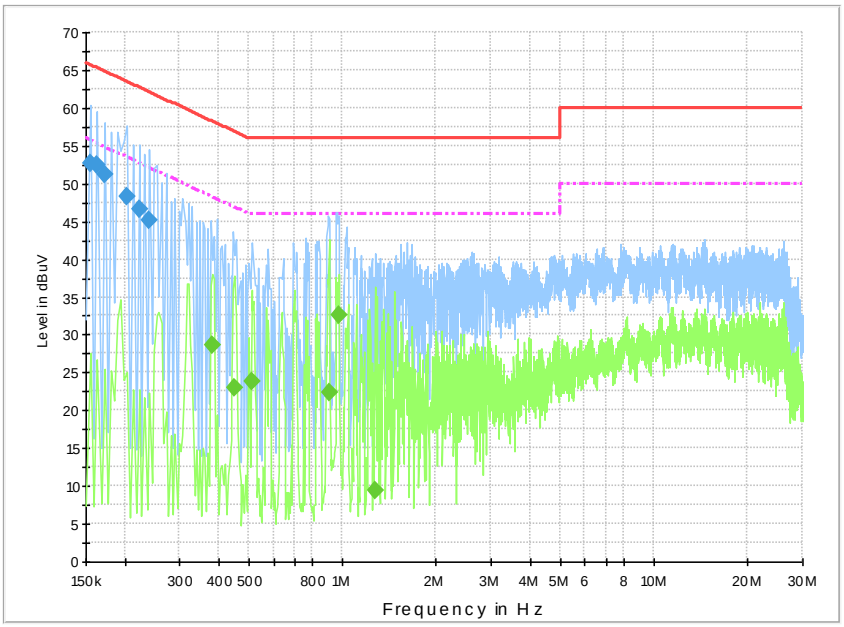


Fig. 165 Conducted Emission (802.11a, Ch36, TX)

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

Final Result 1/QP

Frequency (MHz)	Measurement Result (dBµV)	Cable loss (dB)	Votage diviation factor (dB)	Receiver Reading (dBµV)	Limit (dBµV/m)	Margin (dB)	Line (L/N)
0.155	52.72	9.87	9.76	33.08	65.80	13.08	N
0.164	52.44	9.88	9.77	32.78	65.30	12.86	L1
0.173	51.11	9.86	9.78	31.47	64.80	13.69	N
0.204	48.32	9.88	9.80	28.64	63.40	15.08	N
0.222	46.50	9.88	9.81	26.80	62.70	16.20	N
0.240	45.04	9.88	9.82	25.33	62.10	17.06	L1

Final Result 2/AV

Frequency (MHz)	Measurement Result (dBµV)	Cable loss (dB)	Votage diviation factor (dB)	Receiver Reading (dBµV)	Limit (dBµV/m)	Margin (dB)	Line (L/N)
0.384	28.61	9.85	9.88	8.87	48.20	19.59	L1
0.452	23.08	9.88	9.91	3.29	46.80	23.73	N
0.510	23.72	9.88	9.92	3.93	46.00	22.28	N
0.906	22.46	9.87	9.79	2.80	46.00	23.54	L1
0.974	32.55	9.89	9.78	12.89	46.00	13.45	L1
1.271	9.34	9.90	9.76	-10.32	46.00	36.66	N

Note2: The measurement results showed here are worst cases

©Copyright. All rights reserved by CTTL.

Idle:

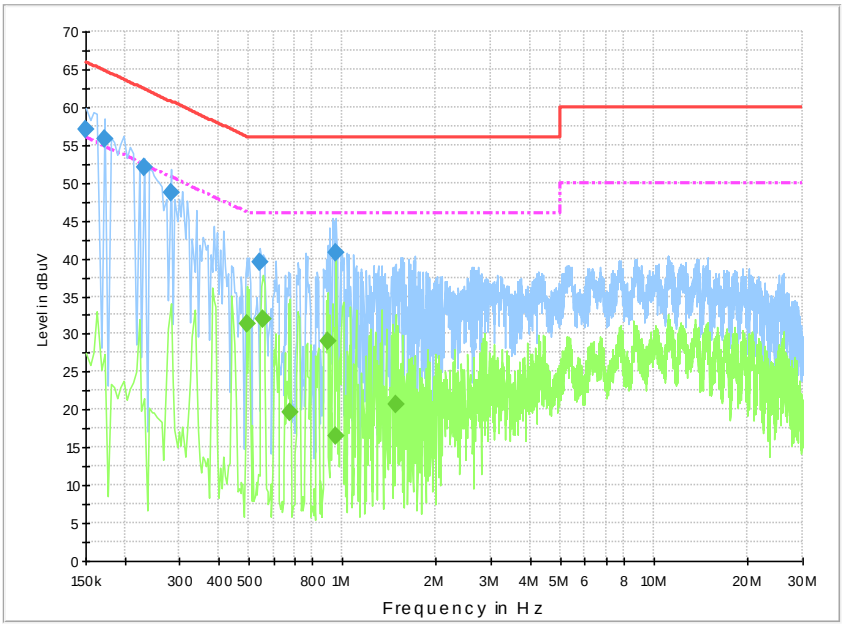


Fig. 166 Conducted Emission(802.11a, IDLE)

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

Final Result 1/QP

Frequency (MHz)	Measurement Result (dBµV)	Cable loss (dB)	Votage diviation factor (dB)	Receiver Reading (dBµV)	Limit (dBµV/m)	Margin (dB)	Line (L/N)
0.150	57.02	9.83	9.76	37.42	66.00	8.98	L1
0.173	55.77	9.86	9.78	36.13	64.80	9.03	L1
0.231	51.95	9.88	9.82	32.25	62.40	10.45	L1
0.281	48.75	9.83	9.84	29.07	60.80	12.05	N
0.546	39.44	9.88	9.90	19.66	56.00	16.56	L1
0.956	40.65	9.89	9.78	20.98	56.00	15.35	L1

Final Result 2/AV

Frequency (MHz)	Measurement Result (dBµV)	Cable loss (dB)	Votage diviation factor (dB)	Receiver Reading (dBµV)	Limit (dBµV/m)	Margin (dB)	Line (L/N)
0.492	31.28	9.88	9.92	11.48	46.10	14.82	L1
0.555	31.96	9.88	9.90	12.18	46.00	14.04	L1
0.681	19.69	9.88	9.85	-0.05	46.00	26.31	N
0.897	29.12	9.85	9.79	9.47	46.00	16.89	L1
0.956	16.46	9.89	9.78	-3.21	46.00	29.54	L1
1.482	20.59	9.90	9.75	0.94	46.00	25.41	N

Note2: The measurement results showed here are worst cases.

©Copyright. All rights reserved by CTTL.

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% ofthe 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

Measurement Result:

SISO-core1

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.167	16.60	P
	5200 MHz	Fig.168	16.52	P
	5240 MHz	Fig.169	16.60	P
802.11n HT20	5180 MHz	Fig.170	17.72	P
	5200 MHz	Fig.171	17.72	P
	5240 MHz	Fig.172	17.68	P
802.11n HT40	5190 MHz	Fig.173	36.00	P
	5230 MHz	Fig.174	36.00	P
802.11ac VHT80	5210 MHz	Fig.175	75.04	P
802.11ax	5180 MHz	Fig.176	19.48	P

©Copyright. All rights reserved by CTTL.

HE20-RU242	5200 MHz	Fig.177	19.52	P
	5240 MHz	Fig.178	19.52	P
802.11ax HE40-RU484	5190 MHz	Fig.179	38.40	P
	5230 MHz	Fig.180	38.32	P
802.11ax HE80	5210 MHz	Fig.181	78.24	P

MIMO-core1

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.182	16.48	P
	5200 MHz	Fig.183	16.44	P
	5240 MHz	Fig.184	16.44	P
802.11ac VHT20	5180 MHz	Fig.185	17.72	P
	5200 MHz	Fig.186	17.88	P
	5240 MHz	Fig.187	17.68	P
802.11ac VHT40	5190 MHz	Fig.188	36.00	P
	5230 MHz	Fig.189	36.00	P
802.11ac VHT80	5210 MHz	Fig.190	74.88	P
802.11ax HE20-RU242	5180 MHz	Fig.191	19.44	P
	5200 MHz	Fig.192	19.44	P
	5240 MHz	Fig.193	19.41	P
802.11ax HE40-RU484	5190 MHz	Fig.194	38.18	P
	5230 MHz	Fig.195	38.15	P
802.11ax HE80	5210 MHz	Fig.196	78.06	P

Conclusion: PASS

Test graphs as below:

©Copyright. All rights reserved by CTTL.

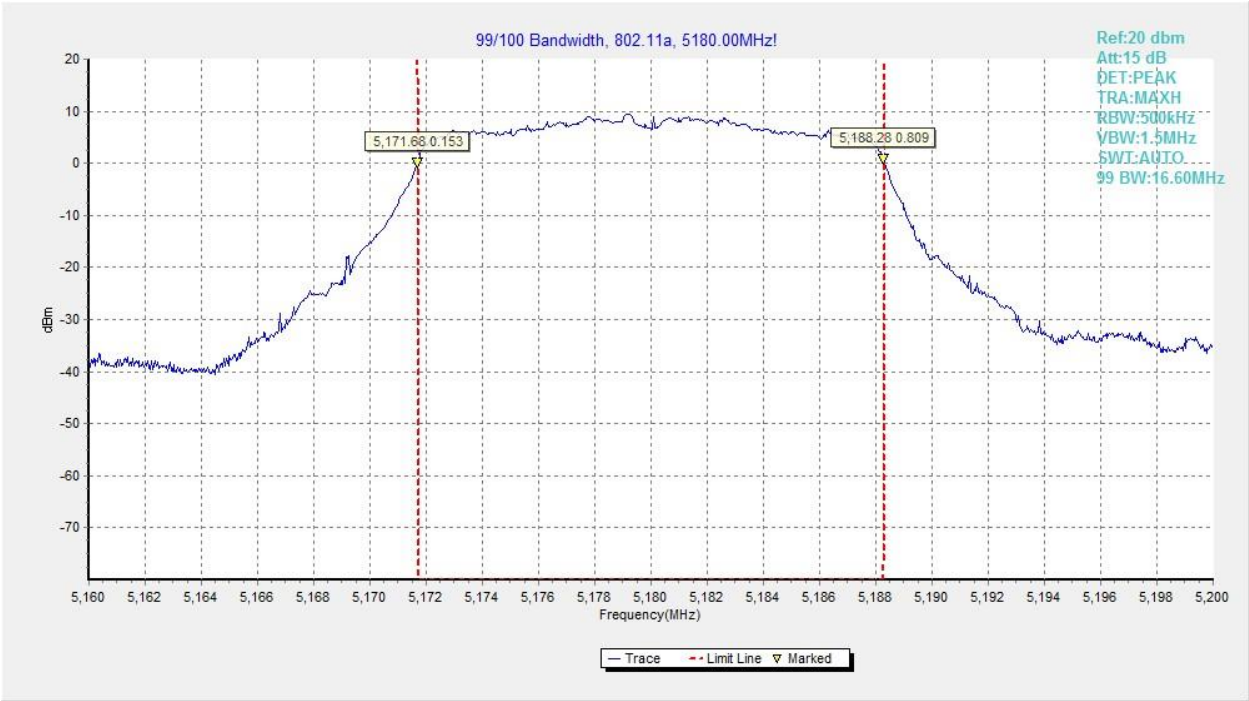


Fig.167 99% Occupied bandwidth (802.11a, 5180MHz)

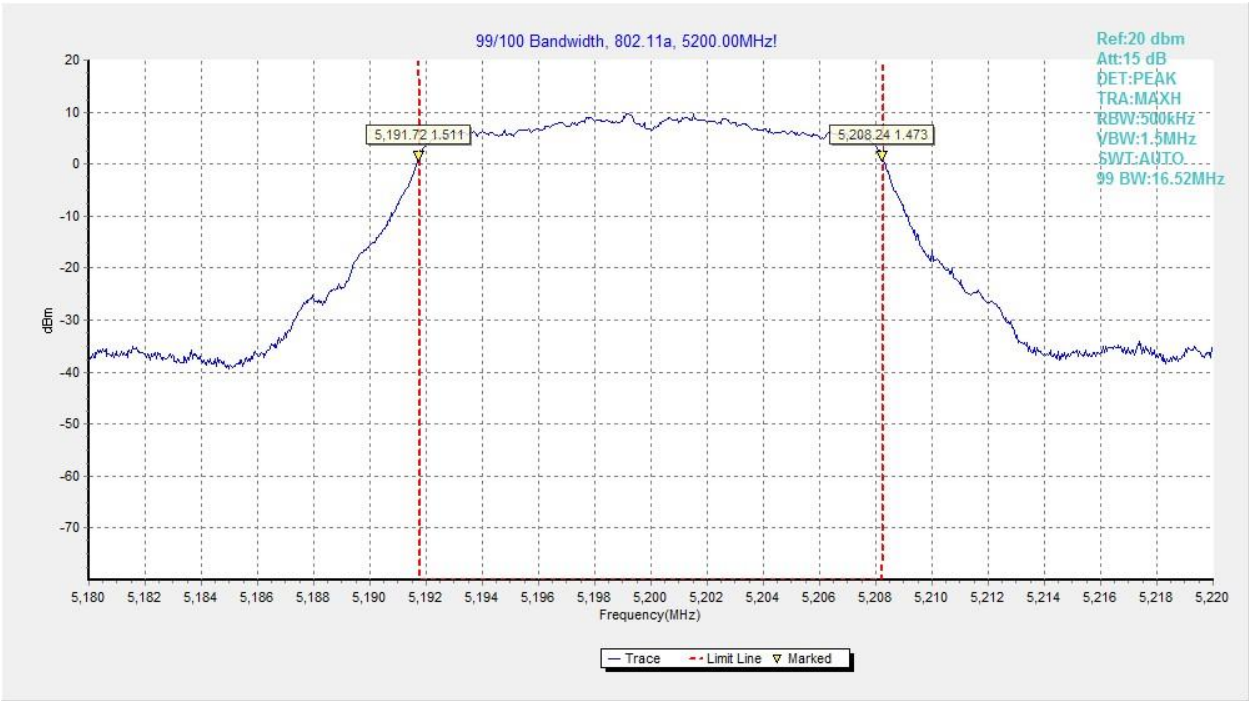


Fig.168 99% Occupied bandwidth (802.11a, 5200MHz)

©Copyright. All rights reserved by CTTL.

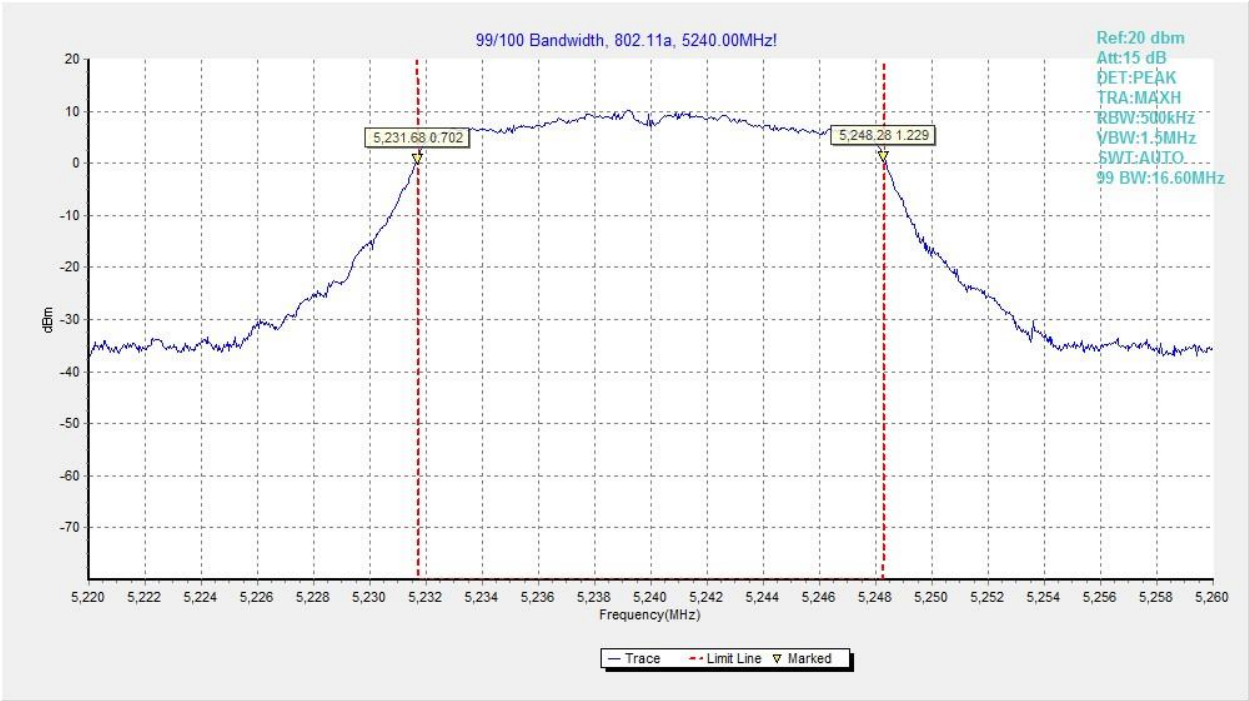


Fig.169 99% Occupied bandwidth (802.11a, 5240MHz)

Fig.170 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

©Copyright. All rights reserved by CTTL.

Fig.171 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

Fig.172 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

©Copyright. All rights reserved by CTTL.

Fig.173 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

Fig.174 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

©Copyright. All rights reserved by CTTL.

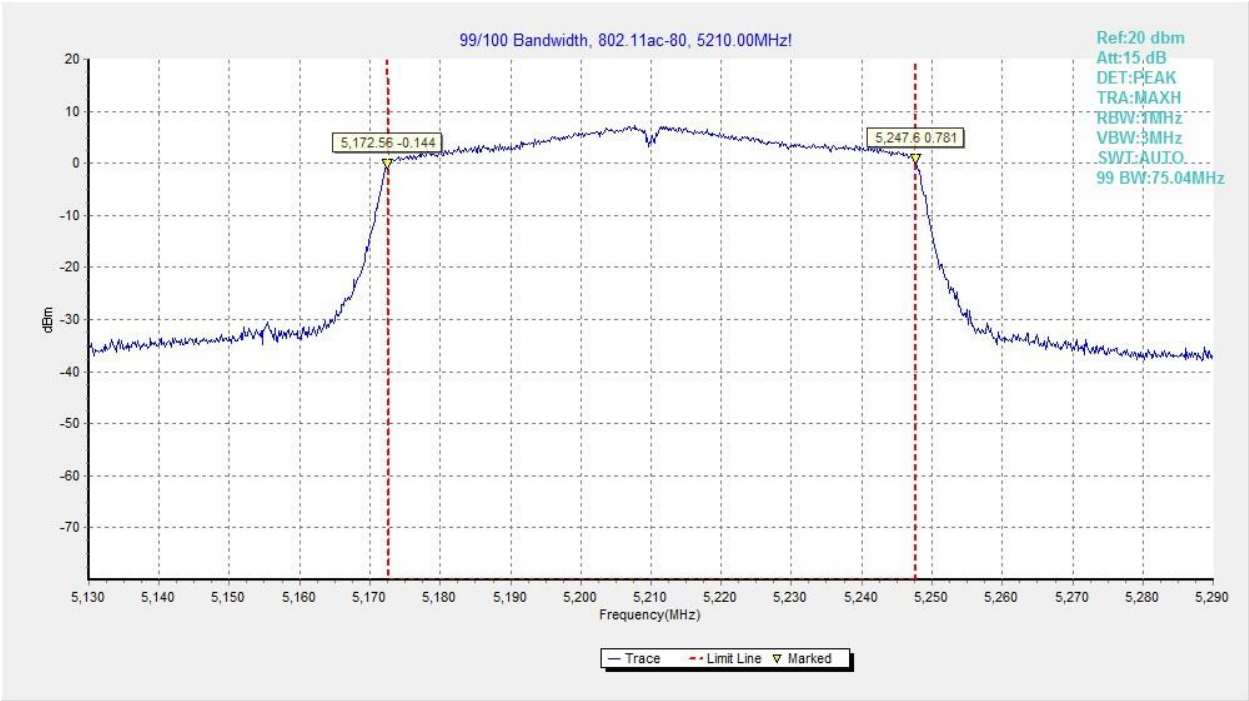


Fig.175 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

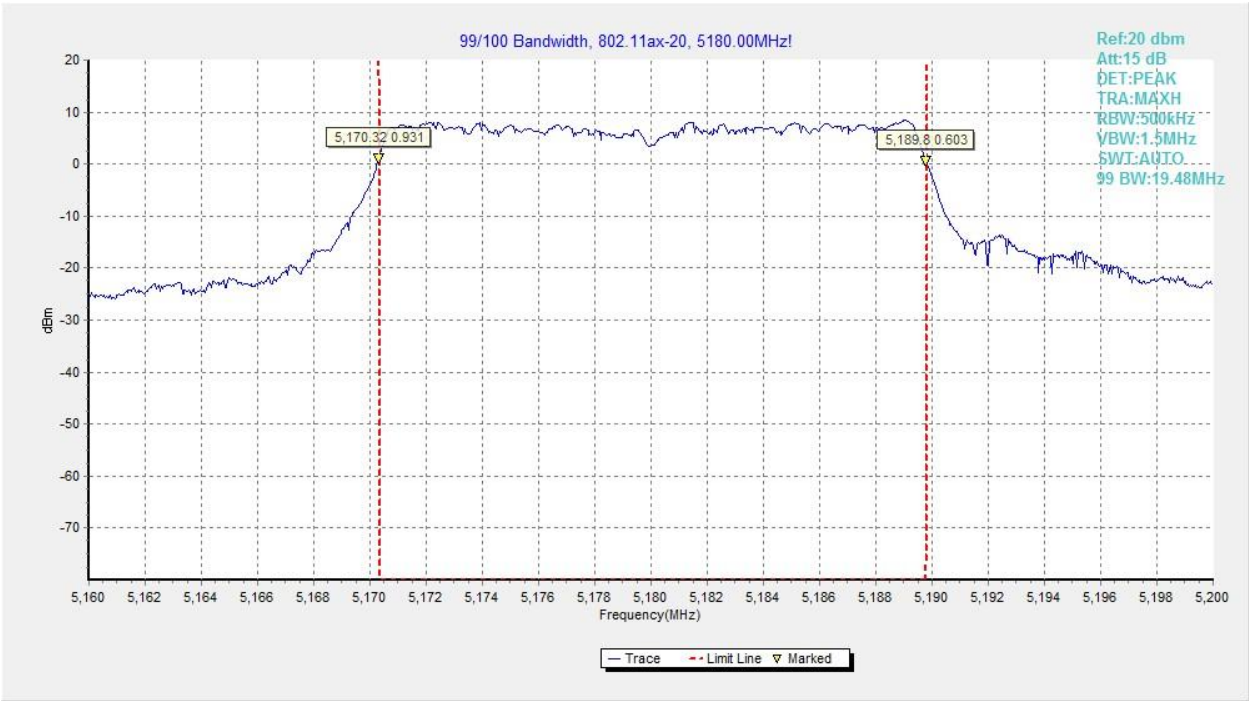


Fig.176 99% Occupied bandwidth (802.11ax-HE20, 5180MHz)

©Copyright. All rights reserved by CTTL.

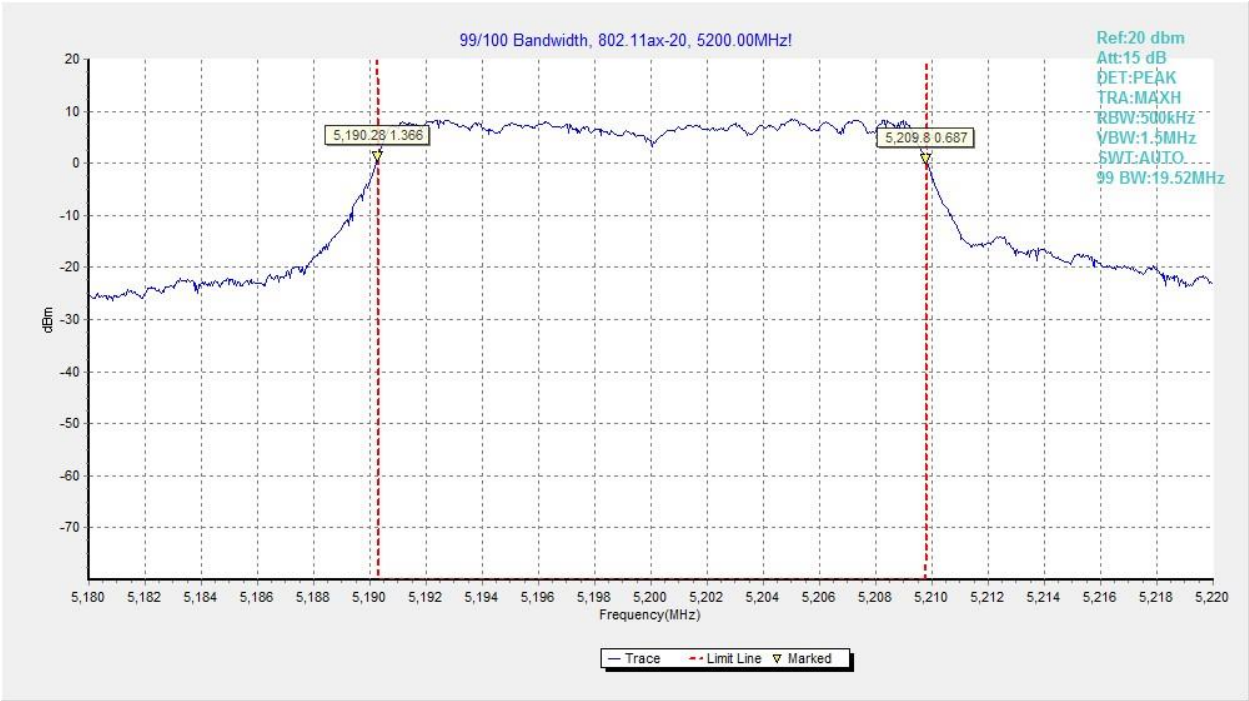


Fig.177 99% Occupied bandwidth 802.11ax-HE20, 5200MHz)

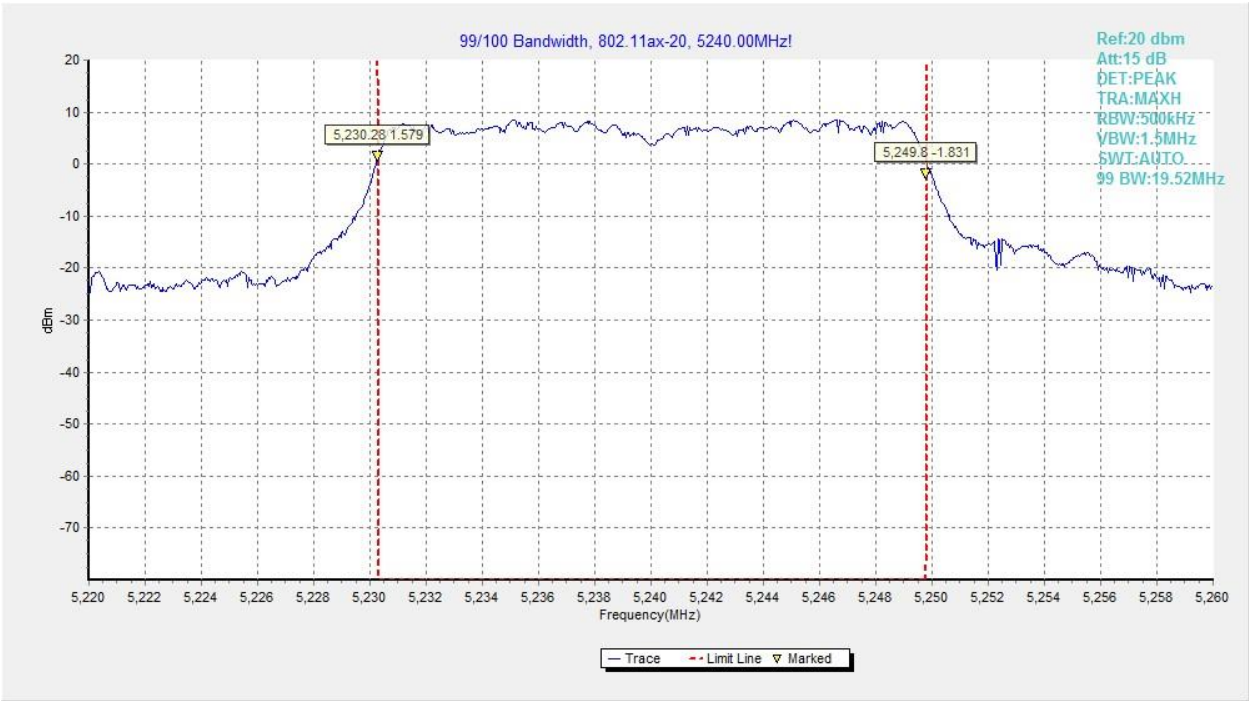


Fig.178 99% Occupied bandwidth (802.11ax-HE20, 5240MHz)

©Copyright. All rights reserved by CTTL.

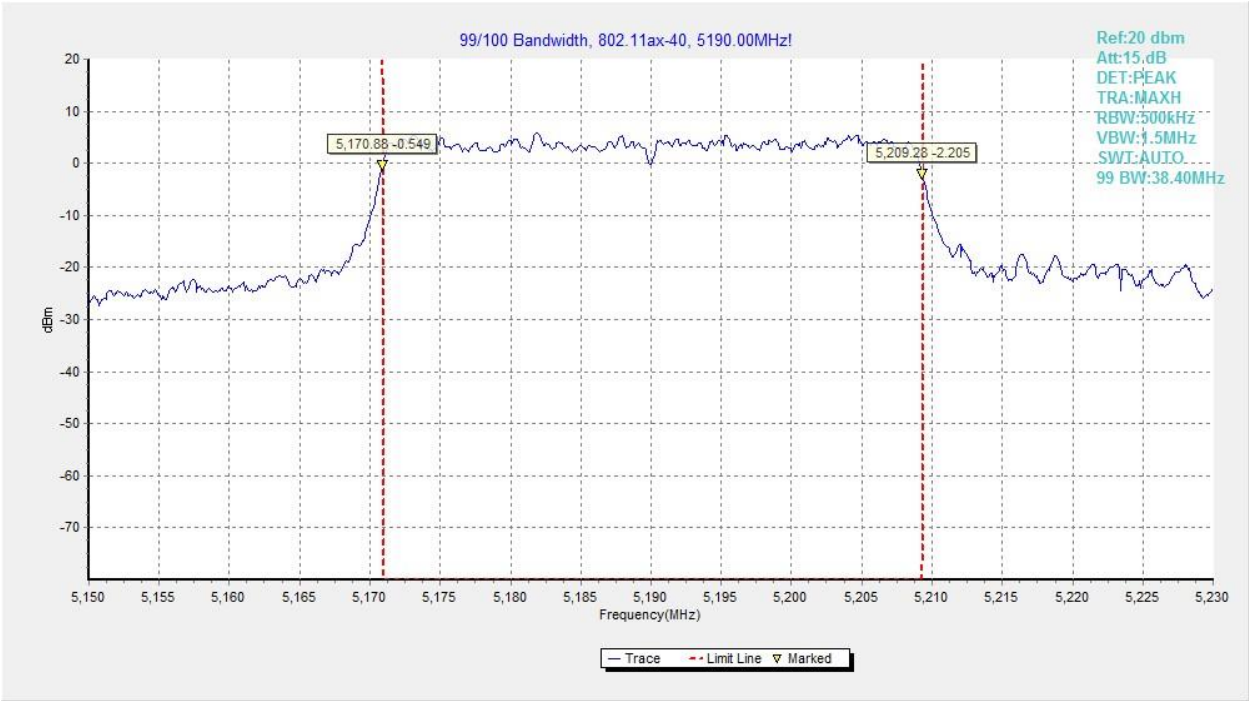


Fig.179 99% Occupied bandwidth (802.11ax-HE40, 5190MHz)

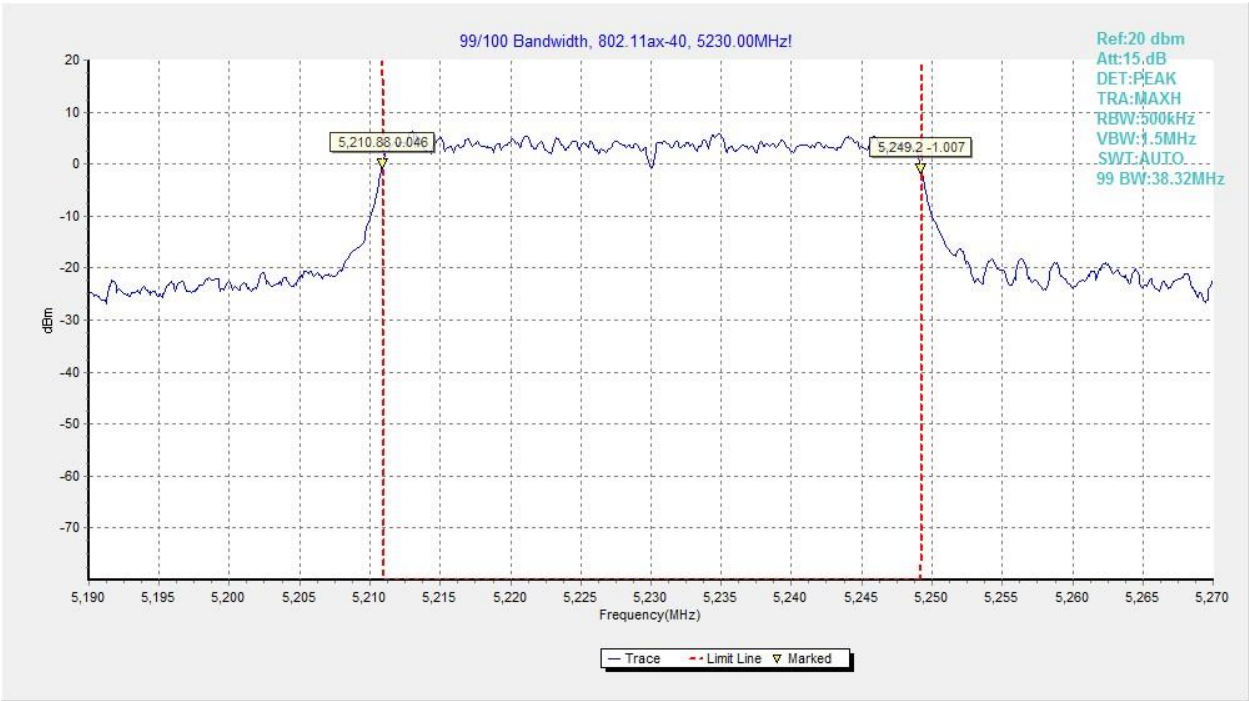


Fig.180 99% Occupied bandwidth 802.11ax-HE40, 5230MHz)

©Copyright. All rights reserved by CTTL.

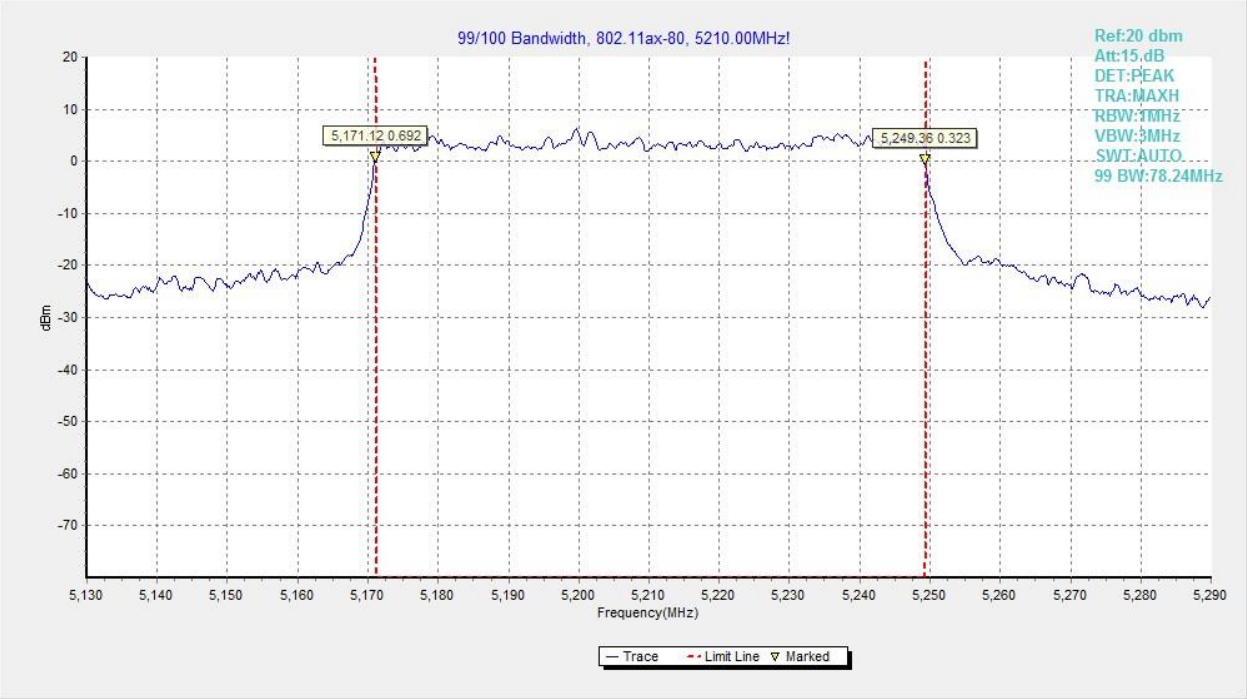


Fig.181 99% Occupied bandwidth (802.11ax-HE80, 5210MHz)

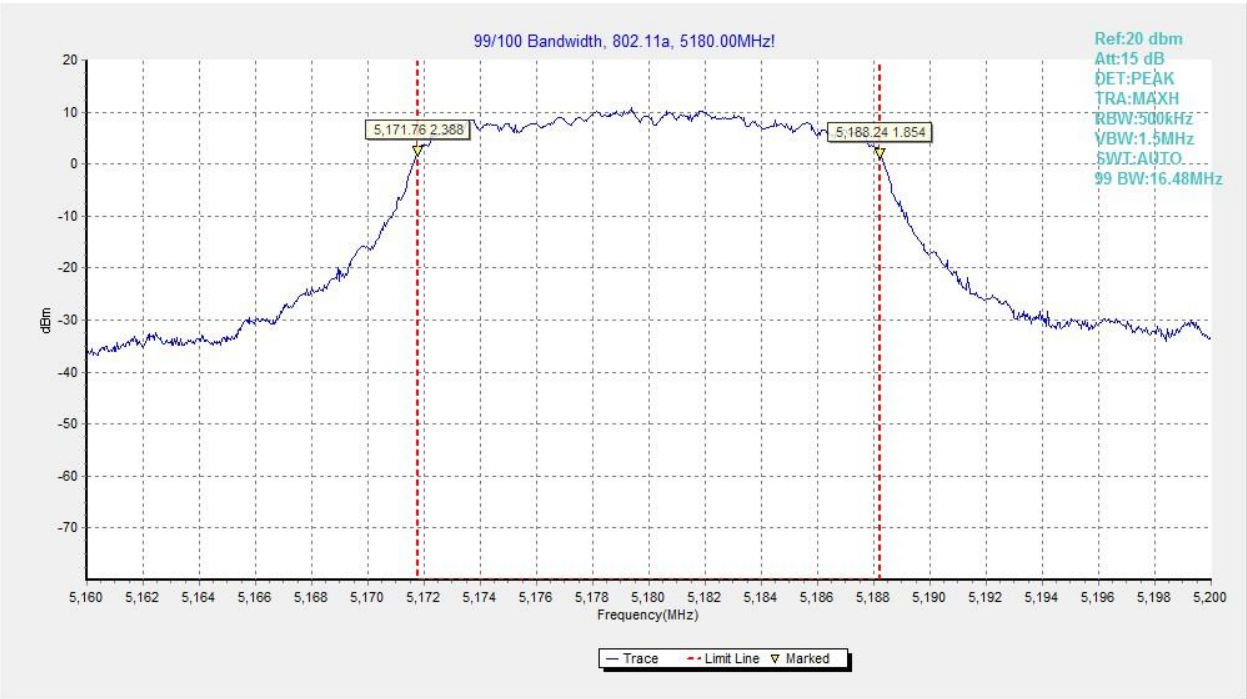


Fig.182 99% Occupied bandwidth (802.11a, 5180MHz)

©Copyright. All rights reserved by CTTL.