

**802.11n-HT20 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n -HT20	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	48(5240MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11n-HT40 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
134(5670MHz)	30 MHz ~1 GHz	---	P	
	1 GHz ~ 3 GHz	---	P	
	3 GHz ~ 7 GHz	---	P	
	7 GHz ~ 18 GHz	---	P	
	18 GHz ~ 26.5 GHz	---	P	
	26.5 GHz ~ 40 GHz	---	P	

**802.11ac-HT20 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac -HT20	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	48(5240MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11ac-HT40 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
134(5670MHz)	30 MHz ~1 GHz	---	P	
	1 GHz ~ 3 GHz	---	P	
	3 GHz ~ 7 GHz	---	P	
	7 GHz ~ 18 GHz	---	P	
	18 GHz ~ 26.5 GHz	---	P	
	26.5 GHz ~ 40 GHz	---	P	

**802.11ac-HT80 mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac -HT80	42(5210MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	58(5290MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
	106(5530MHz)	26.5 GHz ~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
	122(5610MHz)	7 GHz ~ 18 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
			7 GHz ~ 18 GHz	---

**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:

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

**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)
11818.000	36.07	-29.03	38.62	26.48	54.00	17.93	V
15539.500	40.05	-24.58	40.14	24.49	54.00	13.95	V
17903.000	39.60	-23.39	41.20	21.79	54.00	14.40	H
17986.000	40.40	-23.40	41.20	22.60	54.00	13.60	H
5149.960	42.03	-28.00	34.00	36.03	54.00	11.97	V
5149.740	42.01	-28.00	34.00	36.01	54.00	11.99	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)
11830.000	35.88	-28.95	38.63	26.20	54.00	18.12	V
15598.000	39.70	-24.72	40.20	24.23	54.00	14.30	V
17909.000	39.56	-23.43	41.20	21.79	54.00	14.44	V
17966.500	39.97	-23.45	41.20	22.22	54.00	14.03	H
14495.400	36.58	-29.56	41.90	24.24	54.00	17.42	V
14499.250	36.42	-29.56	41.90	24.08	54.00	17.58	V

## Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
11814.000	35.85	-29.11	38.61	26.35	54.00	18.15	H
15718.500	39.37	-24.71	40.34	23.75	54.00	14.63	V
17979.000	40.14	-23.44	41.20	22.38	54.00	13.86	V
17986.500	40.38	-23.40	41.20	22.58	54.00	13.62	V
14498.150	35.44	-29.56	41.90	23.10	54.00	18.56	H
14497.600	35.09	-29.56	41.90	22.75	54.00	18.91	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)
11818.500	35.84	-29.02	38.62	26.24	54.00	18.16	H
15780.500	38.68	-24.91	40.46	23.13	54.00	15.32	V
17977.000	40.05	-23.43	41.20	22.28	54.00	13.95	H
17992.000	40.28	-23.33	41.20	22.41	54.00	13.72	V
14499.250	37.10	-29.56	41.90	24.76	54.00	16.90	V
14488.250	37.09	-29.56	41.90	24.75	54.00	16.91	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)
11828.000	35.73	-28.96	38.63	26.06	54.00	18.27	V
15840.000	38.59	-24.71	40.58	22.71	54.00	15.41	V
17975.500	39.96	-23.42	41.20	22.18	54.00	14.04	H
17987.500	40.14	-23.39	41.20	22.34	54.00	13.86	H
14499.800	35.42	-29.56	41.90	23.08	54.00	18.58	V
14476.150	35.32	-29.56	41.90	22.98	54.00	18.68	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)
10639.350	53.36	-33.58	38.30	48.64	54.00	0.64	V
10638.800	53.14	-33.58	38.30	48.42	54.00	0.86	H
17976.350	41.15	-29.59	45.95	24.79	54.00	12.85	V
17972.500	40.89	-29.59	45.95	24.53	54.00	13.11	V
5350.944	39.45	-27.82	34.20	33.07	54.00	14.55	V
5350.176	39.40	-27.82	34.20	33.02	54.00	14.60	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)
11002.350	48.67	-33.10	38.60	43.17	54.00	5.33	V
10998.500	48.65	-33.10	38.60	43.15	54.00	5.35	V
17978.550	40.29	-29.59	45.95	23.93	54.00	13.71	H
17994.500	40.03	-29.59	45.95	23.67	54.00	13.97	H
5459.245	39.31	-27.49	34.20	32.60	54.00	14.69	V
5458.210	38.92	-27.49	34.20	32.21	54.00	15.08	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)
11400.550	49.58	-32.58	39.00	43.16	54.00	4.42	V
11398.900	49.48	-32.58	39.00	43.06	54.00	4.52	V
9119.700	43.85	-34.20	37.70	40.35	54.00	10.15	V
9120.250	41.71	-34.20	37.70	38.21	54.00	12.29	V
17993.400	40.49	-29.59	45.95	24.13	54.00	13.51	V
17996.150	40.35	-29.59	45.95	23.99	54.00	13.65	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)
11439.050	47.85	-33.09	39.05	41.89	54.00	6.15	V
11442.350	47.80	-33.09	39.05	41.84	54.00	6.20	V
9151.600	43.57	-34.20	37.70	40.07	54.00	10.43	V
9152.150	42.90	-34.20	37.70	39.40	54.00	11.10	V
17989.550	40.20	-29.59	45.95	23.84	54.00	13.80	H
17998.900	40.01	-29.59	45.95	23.65	54.00	13.99	H



**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)
11814.000	35.77	-29.11	38.61	26.27	54.00	18.23	V
15541.000	39.99	-24.57	40.14	24.42	54.00	14.01	V
17971.500	40.05	-23.41	41.20	22.26	54.00	13.95	V
17985.000	40.43	-23.41	41.20	22.64	54.00	13.57	H
5149.340	40.81	-28.00	34.00	34.81	54.00	13.19	V
5149.900	40.13	-28.00	34.00	34.13	54.00	13.87	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)
11821.000	35.88	-28.98	38.62	26.24	54.00	18.12	V
15597.500	39.61	-24.72	40.20	24.13	54.00	14.39	V
17970.500	39.99	-23.40	41.20	22.19	54.00	14.01	V
17983.000	40.25	-23.42	41.20	22.47	54.00	13.75	H
13293.650	37.14	-31.40	40.60	27.94	54.00	16.86	V
14497.050	37.04	-29.56	41.90	24.70	54.00	16.96	V

## Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
11830.000	35.88	-28.95	38.63	26.20	54.00	18.12	H
15720.000	37.73	-24.75	40.34	22.14	54.00	16.27	V
17969.000	40.01	-23.41	41.20	22.22	54.00	13.99	H
17985.000	40.28	-23.41	41.20	22.49	54.00	13.72	V
14485.500	37.08	-29.56	41.90	24.74	54.00	16.92	V
14493.750	37.06	-29.56	41.90	24.72	54.00	16.94	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)
11816.000	35.62	-29.07	38.62	26.08	54.00	18.38	V
15780.000	38.26	-24.91	40.46	22.72	54.00	15.74	V
17943.500	39.75	-23.45	41.20	22.00	54.00	14.25	H
17984.500	39.91	-23.41	41.20	22.12	54.00	14.09	V
14499.800	35.44	-29.56	41.90	23.10	54.00	18.56	V
14482.750	35.36	-29.56	41.90	23.02	54.00	18.64	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)
11833.500	35.63	-29.10	38.63	26.10	54.00	18.37	H
15840.000	38.41	-24.71	40.58	22.53	54.00	15.59	V
17979.000	39.83	-23.44	41.20	22.07	54.00	14.17	V
17994.000	39.99	-23.28	41.20	22.07	54.00	14.01	H
13282.100	35.17	-31.40	40.60	25.97	54.00	18.83	V
14489.900	35.15	-29.56	41.90	22.81	54.00	18.85	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)
10642.100	53.05	-33.58	38.30	48.33	54.00	0.95	V
10639.900	52.98	-33.58	38.30	48.26	54.00	1.02	V
17994.500	41.21	-29.59	45.95	24.85	54.00	12.79	H
17979.650	41.00	-29.59	45.95	24.64	54.00	13.00	V
5350.032	39.61	-27.82	34.20	33.23	54.00	14.39	V
5351.296	39.55	-27.82	34.20	33.17	54.00	14.45	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)
11001.800	47.93	-33.10	38.60	42.43	54.00	6.07	V
10996.850	47.80	-33.10	38.60	42.30	54.00	6.20	V
17977.450	40.20	-29.59	45.95	23.84	54.00	13.80	V
17988.450	40.20	-29.59	45.95	23.84	54.00	13.80	H
5456.425	38.27	-27.49	34.20	31.56	54.00	15.73	V
5456.740	38.26	-27.49	34.20	31.55	54.00	15.74	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)
11398.900	49.38	-32.58	39.00	42.96	54.00	4.62	V
11397.250	49.19	-32.58	39.00	42.77	54.00	4.81	V
9119.700	43.87	-34.20	37.70	40.37	54.00	10.13	V
9120.250	41.72	-34.20	37.70	38.22	54.00	12.28	V
17991.200	40.01	-29.59	45.95	23.65	54.00	13.99	H
17937.850	39.95	-29.59	45.95	23.59	54.00	14.05	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)
11439.050	48.04	-33.09	39.05	42.08	54.00	5.96	V
11440.700	47.93	-33.09	39.05	41.97	54.00	6.07	V
9151.600	43.16	-34.20	37.70	39.66	54.00	10.84	V
9152.150	42.41	-34.20	37.70	38.91	54.00	11.59	V
17978.550	40.25	-29.59	45.95	23.89	54.00	13.75	V
17989.550	40.25	-29.59	45.95	23.89	54.00	13.75	V

**802.11n-HT40**

## Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
8304.050	42.88	-34.84	37.10	40.61	54.00	11.12	H
8303.500	42.57	-34.84	37.10	40.30	54.00	11.43	H
17995.050	40.79	-29.59	45.95	24.43	54.00	13.21	V
17997.250	40.72	-29.59	45.95	24.36	54.00	13.28	V
5149.840	40.73	-28.00	34.00	34.73	54.00	13.27	V
5149.120	40.22	-28.00	34.00	34.22	54.00	13.78	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)
8367.850	43.29	-34.42	37.30	40.41	54.00	10.71	H
8367.300	40.70	-34.42	37.30	37.82	54.00	13.30	V
17997.250	40.65	-29.59	45.95	24.29	54.00	13.35	V
17991.750	40.58	-29.59	45.95	24.22	54.00	13.42	H
14497.600	36.27	-29.56	41.90	23.93	54.00	17.73	H
14497.050	36.25	-29.56	41.90	23.91	54.00	17.75	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)
8431.650	42.55	-34.69	37.40	39.84	54.00	11.45	H
17995.600	41.12	-29.59	45.95	24.76	54.00	12.88	H
17989.000	40.94	-29.59	45.95	24.58	54.00	13.06	H
8432.200	40.85	-34.69	37.40	38.14	54.00	13.15	H
14486.600	36.42	-29.56	41.90	24.08	54.00	17.58	H
14496.500	36.40	-29.56	41.90	24.06	54.00	17.60	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)
10616.250	47.65	-33.58	38.30	42.93	54.00	6.35	H
10619.000	47.02	-33.58	38.30	42.30	54.00	6.98	H
8496.000	41.72	-34.28	37.30	38.70	54.00	12.28	V
17998.900	41.46	-29.59	45.95	25.10	54.00	12.54	H
5350.672	42.21	-27.82	34.20	35.83	54.00	11.79	V
5350.416	42.20	-27.82	34.20	35.82	54.00	11.80	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)
11016.100	41.40	-33.10	38.60	35.90	54.00	12.60	V
11019.400	41.06	-33.10	38.60	35.56	54.00	12.94	V
17998.900	40.02	-29.59	45.95	23.66	54.00	13.98	H
17978.550	39.97	-29.59	45.95	23.61	54.00	14.03	V
5451.850	38.41	-27.49	34.20	31.70	54.00	15.59	V
5458.915	38.32	-27.49	34.20	31.61	54.00	15.68	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)
11183.850	43.25	-32.61	38.60	37.26	54.00	10.75	V
11180.550	42.94	-32.61	38.60	36.95	54.00	11.06	V
17991.200	40.17	-29.59	45.95	23.81	54.00	13.83	V
17984.050	40.02	-29.59	45.95	23.66	54.00	13.98	V
14494.300	35.11	-29.56	41.90	22.77	54.00	18.89	H
14489.350	35.09	-29.56	41.90	22.75	54.00	18.91	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)
9071.850	43.98	-34.52	37.70	40.80	54.00	10.02	V
11337.300	42.45	-33.31	38.85	36.91	54.00	11.55	V
11338.400	42.40	-33.31	38.85	36.86	54.00	11.60	V
9071.300	41.19	-34.52	37.70	38.01	54.00	12.81	V
17993.400	40.04	-29.59	45.95	23.68	54.00	13.96	V
17998.350	39.92	-29.59	45.95	23.56	54.00	14.08	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)
9135.650	44.43	-34.20	37.70	40.93	54.00	9.57	V
9136.200	42.69	-34.20	37.70	39.19	54.00	11.31	V
11417.050	42.57	-32.58	39.00	36.15	54.00	11.43	V
11423.100	41.83	-32.58	39.00	35.41	54.00	12.17	V
17980.200	39.98	-29.59	45.95	23.62	54.00	14.02	H
17962.050	39.95	-29.59	45.95	23.59	54.00	14.05	V

**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)
8287.550	42.25	-34.84	37.10	39.98	54.00	11.75	H
8288.100	41.88	-34.84	37.10	39.61	54.00	12.12	V
17986.250	40.92	-29.59	45.95	24.56	54.00	13.08	H
17998.350	40.83	-29.59	45.95	24.47	54.00	13.17	V
5150.000	37.02	-28.00	34.00	31.02	54.00	16.98	V
5149.640	36.81	-28.00	34.00	30.81	54.00	17.19	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)
11828.500	35.81	-28.96	38.63	26.14	54.00	18.19	V
15595.500	38.26	-24.71	40.20	22.78	54.00	15.74	V
17977.500	29.92	-23.43	41.20	12.15	54.00	24.08	V
17990.000	40.10	-23.38	41.20	22.28	54.00	13.90	H
14494.300	36.98	-29.56	41.90	24.64	54.00	17.02	V
14499.800	36.85	-29.56	41.90	24.51	54.00	17.15	V

## Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
8383.800	42.82	-34.42	37.30	39.94	54.00	11.18	H
17989.550	40.90	-29.59	45.95	24.54	54.00	13.10	H
17980.200	40.79	-29.59	45.95	24.43	54.00	13.21	H
8383.250	40.20	-34.42	37.30	37.32	54.00	13.80	H
14498.700	36.65	-29.56	41.90	24.31	54.00	17.35	H
13292.000	36.56	-31.40	40.60	27.36	54.00	17.44	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)
8415.700	42.39	-34.42	37.30	39.51	54.00	11.61	H
17995.600	41.33	-29.59	45.95	24.97	54.00	12.67	H
17996.150	41.05	-29.59	45.95	24.69	54.00	12.95	H
8416.250	39.90	-34.69	37.40	37.19	54.00	14.10	H
14499.250	36.87	-29.56	41.90	24.53	54.00	17.13	H
14488.800	36.70	-29.56	41.90	24.36	54.00	17.30	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)
8447.600	43.22	-34.69	37.40	40.51	54.00	10.78	V
8448.150	41.77	-34.69	37.40	39.06	54.00	12.23	V
17994.500	41.18	-29.59	45.95	24.82	54.00	12.82	V
17990.650	41.12	-29.59	45.95	24.76	54.00	12.88	H
14499.800	36.88	-29.56	41.90	24.54	54.00	17.12	H
14499.250	36.86	-29.56	41.90	24.52	54.00	17.14	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)
10644.300	50.27	-32.67	38.35	44.59	54.00	3.73	V
10639.900	49.89	-33.58	38.30	45.17	54.00	4.11	H
17976.350	41.11	-29.59	45.95	24.75	54.00	12.89	V
17997.250	41.10	-29.59	45.95	24.74	54.00	12.90	H
5358.272	37.40	-27.82	34.20	31.02	54.00	16.60	V
5350.080	37.29	-27.82	34.20	30.91	54.00	16.71	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)
10999.600	45.76	-33.10	38.60	40.26	54.00	8.24	V
10997.400	44.53	-33.10	38.60	39.03	54.00	9.47	V
17965.350	39.94	-29.59	45.95	23.58	54.00	14.06	V
17985.150	39.92	-29.59	45.95	23.56	54.00	14.08	H
5438.230	37.74	-27.94	34.30	31.38	54.00	16.26	V
5451.775	37.65	-27.49	34.20	30.94	54.00	16.35	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)
11401.100	46.63	-32.58	39.00	40.21	54.00	7.37	V
11402.200	46.48	-32.58	39.00	40.06	54.00	7.52	V
9119.700	44.09	-34.20	37.70	40.59	54.00	9.91	V
9120.250	41.87	-34.20	37.70	38.37	54.00	12.13	V
17992.300	40.14	-29.59	45.95	23.78	54.00	13.86	V
17977.450	40.01	-29.59	45.95	23.65	54.00	13.99	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)
11438.500	46.18	-33.09	39.05	40.22	54.00	7.82	V
11439.050	45.51	-33.09	39.05	39.55	54.00	8.49	V
9151.600	43.30	-34.20	37.70	39.80	54.00	10.70	V
9152.150	42.23	-34.20	37.70	38.73	54.00	11.77	V
17974.700	40.23	-29.59	45.95	23.87	54.00	13.77	V
17996.150	40.04	-29.59	45.95	23.68	54.00	13.96	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)
8304.050	43.20	-34.84	37.10	40.93	54.00	10.80	H
8303.500	42.92	-34.84	37.10	40.65	54.00	11.08	H
17996.700	40.57	-29.59	45.95	24.21	54.00	13.43	V
17998.900	40.56	-29.59	45.95	24.20	54.00	13.44	H
5149.380	41.15	-28.00	34.00	35.15	54.00	12.85	V
5149.960	40.69	-28.00	34.00	34.69	54.00	13.31	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)
8367.850	43.76	-34.42	37.30	40.88	54.00	10.24	H
17997.800	40.84	-29.59	45.95	24.48	54.00	13.16	H
17970.850	40.77	-29.59	45.95	24.41	54.00	13.23	V
8367.300	40.73	-34.42	37.30	37.85	54.00	13.27	V
14498.700	36.34	-29.56	41.90	24.00	54.00	17.66	V
13366.250	36.24	-31.19	40.65	26.78	54.00	17.76	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)
8431.650	42.12	-34.69	37.40	39.41	54.00	11.88	V
17976.900	40.82	-29.59	45.95	24.46	54.00	13.18	H
17982.950	40.78	-29.59	45.95	24.42	54.00	13.22	V
8432.200	40.67	-34.69	37.40	37.96	54.00	13.33	V
14489.350	36.50	-29.56	41.90	24.16	54.00	17.50	H
14497.600	36.31	-29.56	41.90	23.97	54.00	17.69	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)
10621.750	46.95	-33.58	38.30	42.23	54.00	7.05	V
10619.000	46.84	-33.58	38.30	42.12	54.00	7.16	V
8496.000	41.56	-34.28	37.30	38.54	54.00	12.44	H
17978.550	40.94	-29.59	45.95	24.58	54.00	13.06	V
5350.416	39.99	-27.82	34.20	33.61	54.00	14.01	V
5350.784	39.49	-27.82	34.20	33.11	54.00	14.51	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)
11016.100	41.37	-33.10	38.60	35.87	54.00	12.63	V
11019.400	41.00	-33.10	38.60	35.50	54.00	13.00	V
17968.100	40.58	-29.59	45.95	24.22	54.00	13.42	H
17998.900	40.42	-29.59	45.95	24.06	54.00	13.58	V
5459.140	39.61	-27.49	34.20	32.90	54.00	14.39	V
5458.120	39.55	-27.49	34.20	32.84	54.00	14.45	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)
11184.400	42.87	-32.61	38.60	36.88	54.00	11.13	V
11181.100	42.78	-32.61	38.60	36.79	54.00	11.22	V
17990.650	40.32	-29.59	45.95	23.96	54.00	13.68	V
17989.550	40.03	-29.59	45.95	23.67	54.00	13.97	H
14486.050	35.08	-29.56	41.90	22.74	54.00	18.92	H
14491.000	35.05	-29.56	41.90	22.71	54.00	18.95	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)
9071.850	43.80	-34.52	37.70	40.62	54.00	10.20	V
11339.500	42.51	-33.31	38.85	36.97	54.00	11.49	V
11346.100	42.32	-33.31	38.85	36.78	54.00	11.68	V
9071.300	41.43	-34.52	37.70	38.25	54.00	12.57	V
17988.450	40.03	-29.59	45.95	23.67	54.00	13.97	V
17991.200	39.99	-29.59	45.95	23.63	54.00	14.01	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)
9135.650	44.27	-34.20	37.70	40.77	54.00	9.73	V
11419.250	43.63	-32.58	39.00	37.21	54.00	10.37	V
11417.050	43.31	-32.58	39.00	36.89	54.00	10.69	V
9136.200	42.92	-34.20	37.70	39.42	54.00	11.08	V
17995.050	40.45	-29.59	45.95	24.09	54.00	13.55	V
17989.550	40.30	-29.59	45.95	23.94	54.00	13.70	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)
8335.950	43.27	-34.93	37.20	41.00	54.00	10.73	H
8335.400	42.55	-34.93	37.20	40.28	54.00	11.45	H
17958.750	41.40	-29.59	45.95	25.04	54.00	12.60	H
17995.050	41.03	-29.59	45.95	24.67	54.00	12.97	H
5147.480	47.45	-27.79	34.00	41.24	54.00	6.55	V
5150.000	47.04	-28.00	34.00	41.04	54.00	6.96	V

## Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10602.500	44.25	-33.58	38.30	39.53	54.00	9.75	H
10604.150	44.25	-33.58	38.30	39.53	54.00	9.75	H
8463.550	42.15	-34.69	37.40	39.44	54.00	11.85	V
8464.100	41.70	-34.69	37.40	38.99	54.00	12.30	V
5350.960	45.67	-27.82	34.20	39.29	54.00	8.33	V
5350.096	45.66	-27.82	34.20	39.28	54.00	8.34	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)
17976.900	40.09	-29.59	45.95	23.73	54.00	13.91	H
17993.400	39.96	-29.59	45.95	23.60	54.00	14.04	H
11082.650	39.17	-32.60	38.60	33.17	54.00	14.83	V
11077.150	38.39	-32.60	38.60	32.39	54.00	15.61	V
5459.005	44.75	-27.49	34.20	38.04	54.00	9.25	V
5449.795	44.74	-27.49	34.20	38.03	54.00	9.26	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)
11230.050	40.34	-32.42	38.60	34.16	54.00	13.66	V
11233.350	40.25	-32.42	38.60	34.07	54.00	13.75	V
17987.900	40.15	-29.59	45.95	23.79	54.00	13.85	H
17983.500	40.09	-29.59	45.95	23.73	54.00	13.91	V
13303.000	35.18	-31.40	40.60	25.98	54.00	18.82	V
14476.700	35.09	-29.56	41.90	22.75	54.00	18.91	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)
9103.750	43.95	-34.52	37.70	40.77	54.00	10.05	V
9104.300	41.34	-34.52	37.70	38.16	54.00	12.66	V
11393.400	40.72	-32.58	39.00	34.30	54.00	13.28	V
11385.700	40.42	-33.31	38.85	34.88	54.00	13.58	V
17954.900	40.05	-29.59	45.95	23.69	54.00	13.95	V
17998.350	39.95	-29.59	45.95	23.59	54.00	14.05	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)
10360.000	46.51	-29.34	37.50	38.35	68.30	21.79	H
15543.000	51.26	-24.56	40.14	35.68	74.00	22.74	V
16602.500	52.63	-24.17	41.50	35.30	68.30	15.67	V
16865.000	52.72	-23.80	41.43	35.08	68.30	15.58	H
5146.880	57.33	-27.79	34.00	51.12	74.00	16.67	V
5149.660	56.80	-28.00	34.00	50.80	74.00	17.20	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)
10400.000	45.24	-29.63	37.50	37.38	68.30	23.06	H
15591.000	51.89	-24.69	40.19	36.39	74.00	22.11	V
16616.500	53.05	-24.10	41.50	35.66	68.30	15.25	H
17141.500	53.04	-23.90	41.12	35.82	68.30	15.26	V
13614.300	49.06	-31.29	40.90	39.45	68.20	19.14	H
13650.050	49.00	-31.29	40.90	39.39	68.20	19.20	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)
10480.000	46.51	-29.51	37.58	38.44	68.30	21.79	V
15720.000	49.80	-24.75	40.34	34.20	74.00	24.20	V
16605.000	53.48	-24.16	41.50	36.14	68.30	14.82	V
17339.500	53.33	-23.58	40.90	36.01	68.30	14.97	H
13783.150	48.06	-30.98	41.20	37.84	68.20	20.14	H
13826.600	47.98	-30.20	41.25	36.93	68.20	20.22	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)
10520.000	45.81	-29.02	37.62	37.21	68.20	22.39	H
15781.000	51.63	-24.90	40.46	36.08	74.00	22.37	V
16859.000	52.99	-23.68	41.44	35.23	68.20	15.21	H
17477.000	52.71	-23.55	40.98	35.28	68.20	15.49	V
14213.250	49.75	-30.75	41.75	38.75	68.20	18.45	V
13673.150	49.42	-30.98	41.00	39.40	68.20	18.78	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)
10560.000	45.61	-29.37	37.66	37.32	68.20	22.59	H
15840.000	50.57	-24.71	40.58	34.70	74.00	23.43	V
16727.000	52.85	-24.24	41.50	35.59	68.20	15.35	H
16928.500	52.84	-24.01	41.40	35.45	68.20	15.36	H
14598.250	48.25	-29.14	41.90	35.49	68.20	19.95	H
13740.800	48.02	-31.18	41.10	38.10	68.20	20.18	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)
10641.000	65.30	-33.58	38.30	60.58	74.00	8.70	V
10638.250	64.82	-33.58	38.30	60.10	74.00	9.18	V
17964.250	51.94	-29.59	45.95	35.58	74.00	22.06	H
17974.150	51.69	-29.59	45.95	35.33	74.00	22.31	V
5357.824	55.65	-27.82	34.20	49.27	74.00	18.35	V
5350.672	54.24	-27.82	34.20	47.86	74.00	19.76	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)
11002.350	60.13	-33.10	38.60	54.63	74.00	13.87	V
10998.500	59.10	-33.10	38.60	53.60	74.00	14.90	V
17993.400	51.44	-29.59	45.95	35.08	74.00	22.56	H
17815.200	50.64	-29.59	45.95	34.28	74.00	23.36	V
5459.605	51.88	-27.49	34.20	45.17	74.00	22.12	V
5469.790	57.98	-27.49	34.20	51.27	68.20	10.22	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)
11398.350	60.14	-32.58	39.00	53.72	74.00	13.86	V
11396.150	60.10	-32.58	39.00	53.68	74.00	13.90	V
17605.650	51.50	-29.60	45.15	35.95	68.20	16.70	H
17967.000	51.34	-29.59	45.95	34.98	74.00	22.66	H
5725.915	62.14	-27.47	34.10	55.51	68.20	6.06	V
5728.767	62.06	-27.47	34.10	55.43	68.20	6.14	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)
11441.250	57.82	-33.09	39.05	51.86	74.00	16.18	V
11434.100	56.43	-32.58	39.00	50.01	74.00	17.57	V
17636.450	50.91	-29.60	45.40	35.11	68.20	17.29	H
17996.700	50.90	-29.59	45.95	34.54	74.00	23.10	V
13722.100	48.14	-31.18	41.10	38.22	68.20	20.06	V
14187.950	47.85	-30.42	41.70	36.57	68.20	20.35	H

**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)
10360.000	45.46	-29.34	37.50	37.30	68.30	22.84	V
15540.000	51.68	-24.58	40.14	36.12	74.00	22.32	V
16600.000	53.02	-24.18	41.50	35.71	68.30	15.28	H
17586.500	52.90	-23.64	41.00	35.55	68.30	15.40	V
5147.680	55.66	-27.79	34.00	49.45	74.00	18.34	V
5148.200	55.22	-27.79	34.00	49.01	74.00	18.78	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)
10400.000	45.73	-29.63	37.50	37.86	68.30	22.57	V
15599.000	51.80	-24.73	40.20	36.33	74.00	22.20	V
17251.500	52.96	-23.73	40.95	35.75	68.30	15.34	V
17466.500	53.45	-23.47	40.97	35.95	68.30	14.85	V
13712.200	50.20	-30.98	41.00	40.18	68.20	18.00	V
14188.500	49.73	-30.42	41.70	38.45	68.20	18.47	V

## Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10480.000	45.81	-29.51	37.58	37.74	68.30	22.49	V
15720.000	49.77	-24.75	40.34	34.18	74.00	24.23	V
17024.000	53.35	-23.67	41.35	35.67	68.30	14.95	H
17347.500	53.29	-23.73	40.90	36.12	68.30	15.01	H
13779.300	49.77	-30.98	41.20	39.55	68.20	18.43	V
13668.200	49.48	-30.98	41.00	39.46	68.20	18.72	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)
10520.000	45.48	-29.02	37.62	36.87	68.20	22.72	H
15780.000	49.81	-24.91	40.46	34.27	74.00	24.19	V
17046.000	53.08	-23.81	41.31	35.58	68.20	15.12	H
17445.500	53.12	-23.54	40.95	35.72	68.20	15.08	V
13790.850	48.49	-30.98	41.20	38.27	68.20	19.71	V
13772.700	48.01	-30.98	41.20	37.79	68.20	20.19	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)
10560.000	46.13	-29.37	37.66	37.84	68.20	22.07	H
15840.000	49.90	-24.71	40.58	34.03	74.00	24.10	V
17251.500	52.95	-23.73	40.95	35.73	68.20	15.26	H
17642.500	53.83	-23.77	41.09	36.51	68.20	14.37	V
13688.000	47.86	-30.98	41.00	37.84	68.20	20.34	V
13612.650	47.70	-31.27	40.80	38.17	68.20	20.50	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)
10638.800	63.62	-33.58	38.30	58.90	74.00	10.38	V
10642.100	63.42	-33.58	38.30	58.70	74.00	10.58	V
17966.450	52.11	-29.59	45.95	35.75	74.00	21.89	H
17937.300	51.81	-29.59	45.95	35.45	74.00	22.19	H
5351.024	55.46	-27.82	34.20	49.08	74.00	18.54	V
5350.960	54.45	-27.82	34.20	48.07	74.00	19.55	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)
10996.850	58.89	-33.10	38.60	53.39	74.00	15.11	V
11000.150	58.29	-33.10	38.60	52.79	74.00	15.71	V
17606.750	50.93	-29.60	45.15	35.38	68.20	17.27	H
17997.250	50.93	-29.59	45.95	34.57	74.00	23.07	V
5459.455	53.80	-27.49	34.20	47.09	74.00	20.20	V
5469.940	57.07	-27.49	34.20	50.36	68.20	11.13	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)
11401.650	59.65	-32.58	39.00	53.23	74.00	14.35	V
11402.750	59.39	-32.58	39.00	52.97	74.00	14.61	V
17672.200	51.54	-29.60	45.40	35.74	68.20	16.66	V
17605.100	50.92	-29.60	45.15	35.37	68.20	17.28	H
5725.408	63.93	-27.47	34.10	57.30	68.20	4.27	V
5726.177	63.13	-27.47	34.10	56.50	68.20	5.07	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)
11436.850	58.28	-33.09	39.05	52.32	74.00	15.72	V
11442.900	57.56	-33.09	39.05	51.60	74.00	16.44	V
17587.500	51.16	-29.60	45.15	35.61	68.20	17.04	H
17580.350	51.12	-29.60	45.15	35.57	68.20	17.08	V
13748.500	48.54	-31.18	41.10	38.62	68.20	19.66	V
14208.850	47.85	-30.75	41.75	36.85	68.20	20.35	V

**802.11n-HT40**

## Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10383.600	61.58	-33.64	38.10	57.12	68.20	6.62	H
10379.200	59.93	-33.64	38.10	55.47	68.20	8.27	V
17592.450	51.45	-29.60	45.15	35.90	68.20	16.75	H
17605.100	51.45	-29.60	45.15	35.90	68.20	16.75	V
5149.440	58.25	-28.00	34.00	52.25	74.00	15.75	V
5144.840	54.90	-27.79	34.00	48.69	74.00	19.10	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)
10457.850	60.63	-33.87	38.20	56.30	68.20	7.57	V
10462.250	60.27	-33.87	38.20	55.94	68.20	7.93	H
17490.150	52.65	-29.07	44.55	37.17	68.20	15.55	V
17484.100	51.94	-29.07	44.55	36.46	68.20	16.26	V
13790.300	49.20	-30.98	41.20	38.98	68.20	19.00	H
13679.200	49.00	-30.98	41.00	38.98	68.20	19.20	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)
10532.100	58.79	-33.31	38.20	53.90	68.20	9.41	H
10545.850	58.32	-33.72	38.25	53.79	68.20	9.88	H
17627.650	51.86	-29.60	45.40	36.06	68.20	16.34	H
17952.150	51.72	-29.59	45.95	35.36	74.00	22.28	V
13796.350	49.25	-30.98	41.20	39.03	68.20	18.95	V
13974.000	48.98	-30.64	41.50	38.12	68.20	19.22	H

## Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10615.700	58.81	-33.58	38.30	54.09	74.00	15.19	V
10606.900	57.34	-33.58	38.30	52.62	74.00	16.66	V
17960.950	52.03	-29.59	45.95	35.67	74.00	21.97	H
17584.200	51.97	-29.60	45.15	36.42	68.20	16.23	V
5350.512	59.49	-27.82	34.20	53.11	74.00	14.51	V
5350.240	59.40	-27.82	34.20	53.02	74.00	14.60	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)
11017.200	52.64	-33.10	38.60	47.14	74.00	21.36	V
11016.650	51.42	-33.10	38.60	45.92	74.00	22.58	V
17994.500	50.97	-29.59	45.95	34.61	74.00	23.03	V
17974.150	50.86	-29.59	45.95	34.50	74.00	23.14	H
5437.150	50.94	-27.94	34.30	44.58	74.00	23.06	V
5469.745	58.69	-27.49	34.20	51.98	68.20	9.51	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)
11179.450	52.64	-32.61	38.60	46.65	74.00	21.36	V
11180.550	52.54	-32.61	38.60	46.55	74.00	21.46	V
17997.250	51.24	-29.59	45.95	34.88	74.00	22.76	H
17981.300	50.96	-29.59	45.95	34.60	74.00	23.04	V
13671.500	47.65	-30.98	41.00	37.63	68.20	20.55	H
13941.550	47.61	-30.81	41.40	37.02	68.20	20.59	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)
11343.900	52.57	-33.31	38.85	47.03	74.00	21.43	V
11337.300	52.51	-33.31	38.85	46.97	74.00	21.49	V
17391.150	50.92	-29.44	43.80	36.56	68.20	17.28	V
17934.000	50.90	-29.59	45.95	34.54	74.00	23.10	V
5740.458	54.71	-27.47	34.10	48.08	68.20	13.49	V
5734.875	52.92	-27.47	34.10	46.29	68.20	15.28	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)
11403.850	52.85	-32.58	39.00	46.43	74.00	21.15	V
11400.000	51.66	-32.58	39.00	45.24	74.00	22.34	V
17998.900	51.07	-29.59	45.95	34.71	74.00	22.93	V
17598.500	50.94	-29.60	45.15	35.39	68.20	17.26	H
14186.300	47.80	-30.42	41.70	36.52	68.20	20.40	H
13846.950	47.68	-30.20	41.25	36.63	68.20	20.52	V

**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)
10359.950	66.42	-33.64	38.10	61.96	68.20	1.78	H
10360.500	64.73	-33.64	38.10	60.27	68.20	3.47	V
17913.100	52.76	-29.59	45.95	36.40	74.00	21.24	H
17574.850	52.47	-29.60	45.15	36.92	68.20	15.73	H
5148.260	52.67	-27.79	34.00	46.46	74.00	21.33	V
5149.640	52.38	-28.00	34.00	46.38	74.00	21.62	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)
10400.000	46.65	-29.63	37.50	38.78	68.30	21.65	V
15600.000	49.82	-24.73	40.20	34.35	74.00	24.18	V
16745.500	52.59	-24.17	41.50	35.26	68.30	15.71	H
17252.500	53.48	-23.73	40.95	36.26	68.30	14.82	H
13693.500	49.75	-30.98	41.00	39.73	68.20	18.45	V
13702.850	49.74	-30.98	41.00	39.72	68.20	18.46	V

## Channel 48

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10482.600	64.57	-33.87	38.20	60.24	68.20	3.63	H
10482.050	63.76	-33.87	38.20	59.43	68.20	4.44	H
17955.450	51.58	-29.59	45.95	35.22	74.00	22.42	H
17971.400	51.58	-29.59	45.95	35.22	74.00	22.42	V
13716.600	49.24	-31.18	41.10	39.32	68.20	18.96	V
13767.200	49.20	-30.98	41.20	38.98	68.20	19.00	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)
10525.500	63.98	-33.31	38.20	59.09	68.20	4.22	V
10521.100	63.20	-33.31	38.20	58.31	68.20	5.00	H
17610.600	52.05	-29.60	45.15	36.50	68.20	16.15	V
17992.850	52.03	-29.59	45.95	35.67	74.00	21.97	H
13751.250	49.25	-31.18	41.10	39.33	68.20	18.95	V
13653.350	49.09	-31.29	40.90	39.48	68.20	19.11	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)
10565.650	61.91	-33.72	38.25	57.38	68.20	6.29	H
10552.450	61.63	-33.72	38.25	57.10	68.20	6.57	V
17997.800	51.97	-29.59	45.95	35.61	74.00	22.03	H
17995.050	51.84	-29.59	45.95	35.48	74.00	22.16	V
13690.200	49.88	-30.98	41.00	39.86	68.20	18.32	V
14074.650	49.62	-30.20	41.70	38.12	68.20	18.58	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)
10638.250	61.52	-33.58	38.30	56.80	74.00	12.48	H
10641.000	60.99	-33.58	38.30	56.27	74.00	13.01	V
17598.500	52.42	-29.60	45.15	36.87	68.20	15.78	H
17987.350	52.18	-29.59	45.95	35.82	74.00	21.82	V
5350.960	52.66	-27.82	34.20	46.28	74.00	21.34	V
5350.848	51.64	-27.82	34.20	45.26	74.00	22.36	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)
11003.450	55.17	-33.10	38.60	49.67	74.00	18.83	V
11000.700	55.06	-33.10	38.60	49.56	74.00	18.94	V
17588.600	51.20	-29.60	45.15	35.65	68.20	17.00	H
17984.050	51.08	-29.59	45.95	34.72	74.00	22.92	H
5433.250	48.60	-27.94	34.30	42.24	74.00	25.40	V
5469.445	50.59	-27.49	34.20	43.88	68.20	17.61	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)
11401.650	57.79	-32.58	39.00	51.37	74.00	16.21	V
11400.550	56.34	-32.58	39.00	49.92	74.00	17.66	V
17931.800	51.04	-29.59	45.95	34.68	74.00	22.96	H
17986.800	50.95	-29.59	45.95	34.59	74.00	23.05	H
5727.840	60.82	-27.47	34.10	54.19	68.20	7.38	V
5725.110	57.74	-27.47	34.10	51.11	68.20	10.46	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)
11440.700	56.78	-33.09	39.05	50.82	74.00	17.22	V
11429.700	54.69	-32.58	39.00	48.27	74.00	19.31	V
17998.900	51.29	-29.59	45.95	34.93	74.00	22.71	V
17981.850	51.22	-29.59	45.95	34.86	74.00	22.78	H
13804.600	47.82	-30.98	41.20	37.60	68.20	20.38	V
13708.900	47.79	-30.98	41.00	37.77	68.20	20.41	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)
10383.600	59.94	-33.64	38.10	55.48	68.20	8.26	H
10378.650	59.47	-33.64	38.10	55.01	68.20	8.73	V
17935.650	51.79	-29.59	45.95	35.43	74.00	22.21	V
17990.650	51.72	-29.59	45.95	35.36	74.00	22.28	V
5149.520	56.82	-28.00	34.00	50.82	74.00	17.18	V
5148.800	56.56	-28.00	34.00	50.56	74.00	17.44	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)
10458.400	59.69	-33.87	38.20	55.36	68.20	8.51	V
10462.800	59.67	-33.87	38.20	55.34	68.20	8.53	V
17965.350	52.08	-29.59	45.95	35.72	74.00	21.92	H
17614.450	52.05	-29.60	45.15	36.50	68.20	16.15	V
13717.700	48.98	-31.18	41.10	39.06	68.20	19.22	H
14116.450	48.94	-30.93	41.70	38.16	68.20	19.26	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)
10524.950	59.65	-33.31	38.20	54.76	68.20	8.55	H
10540.350	59.43	-33.31	38.20	54.54	68.20	8.77	V
17618.850	51.94	-29.60	45.15	36.39	68.20	16.26	H
17600.150	51.78	-29.60	45.15	36.23	68.20	16.42	V
13735.300	49.32	-31.18	41.10	39.40	68.20	18.88	H
13788.100	49.32	-30.98	41.20	39.10	68.20	18.88	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)
10610.750	58.71	-33.58	38.30	53.99	74.00	15.29	H
10619.550	58.00	-33.58	38.30	53.28	74.00	16.00	V
17982.400	52.25	-29.59	45.95	35.89	74.00	21.75	V
17918.600	51.89	-29.59	45.95	35.53	74.00	22.11	H
5350.464	54.22	-27.82	34.20	47.84	74.00	19.78	V
5350.016	54.20	-27.82	34.20	47.82	74.00	19.80	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)
11017.750	52.22	-33.10	38.60	46.72	74.00	21.78	V
17985.700	51.56	-29.59	45.95	35.20	74.00	22.44	V
17962.050	51.33	-29.59	45.95	34.97	74.00	22.67	V
11016.100	51.13	-33.10	38.60	45.63	74.00	22.87	V
5456.485	51.86	-27.49	34.20	45.15	74.00	22.14	V
5468.830	59.20	-27.49	34.20	52.49	68.20	9.00	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)
11180.000	52.91	-32.61	38.60	46.92	74.00	21.09	V
11178.900	52.72	-32.61	38.60	46.73	74.00	21.28	V
17986.800	51.02	-29.59	45.95	34.66	74.00	22.98	H
17919.700	50.99	-29.59	45.95	34.63	74.00	23.01	V
13698.450	48.24	-30.98	41.00	38.22	68.20	19.96	V
13629.700	48.21	-31.29	40.90	38.60	68.20	19.99	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)
11340.050	53.80	-33.31	38.85	48.26	74.00	20.20	V
11339.500	52.86	-33.31	38.85	47.32	74.00	21.14	V
17499.500	50.92	-29.07	44.55	35.44	68.20	17.28	H
17506.100	50.84	-29.07	44.55	35.36	68.20	17.36	V
5727.280	52.19	-27.47	34.10	45.56	68.20	16.01	V
5729.047	51.06	-27.47	34.10	44.43	68.20	17.14	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)
11420.350	55.01	-32.58	39.00	48.59	74.00	18.99	V
11411.000	52.44	-32.58	39.00	46.02	74.00	21.56	V
17981.300	51.46	-29.59	45.95	35.10	74.00	22.54	H
17602.900	51.10	-29.60	45.15	35.55	68.20	17.10	H
13681.400	49.12	-30.98	41.00	39.10	68.20	19.08	V
13610.450	47.79	-31.27	40.80	38.26	68.20	20.41	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)
10391.850	58.32	-33.64	38.10	53.86	68.20	9.88	H
10425.400	58.20	-33.66	38.20	53.66	68.20	10.00	H
17992.300	52.07	-29.59	45.95	35.71	74.00	21.93	H
17996.150	51.88	-29.59	45.95	35.52	74.00	22.12	H
5149.780	61.45	-28.00	34.00	55.45	74.00	12.55	V
5143.700	60.69	-27.79	34.00	54.48	74.00	13.31	V

## Channel 58

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
10584.900	57.58	-33.72	38.25	53.05	68.20	10.62	H
10573.900	57.30	-33.72	38.25	52.77	68.20	10.90	H
17609.500	53.20	-29.60	45.15	37.65	68.20	15.00	V
17579.250	52.48	-29.60	45.15	36.93	68.20	15.72	H
5352.400	60.14	-27.82	34.20	53.76	74.00	13.86	V
5355.728	59.58	-27.82	34.20	53.20	74.00	14.42	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)
17993.400	52.10	-29.59	45.95	35.74	74.00	21.90	V
17964.250	51.09	-29.59	45.95	34.73	74.00	22.91	H
11056.250	49.85	-32.60	38.60	43.85	74.00	24.15	V
11051.300	49.53	-32.60	38.60	43.53	74.00	24.47	V
5457.130	59.12	-27.49	34.20	52.41	74.00	14.88	V
5468.545	61.74	-27.49	34.20	55.03	68.20	6.46	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)
11210.800	51.49	-32.42	38.60	45.31	74.00	22.51	V
17995.050	51.19	-29.59	45.95	34.83	74.00	22.81	H
11213.550	51.10	-32.42	38.60	44.92	74.00	22.90	V
17965.900	50.97	-29.59	45.95	34.61	74.00	23.03	H
5726.720	56.22	-27.47	34.10	49.59	68.20	11.98	V
5738.935	56.15	-27.47	34.10	49.52	68.20	12.05	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)
17990.650	51.70	-29.59	45.95	35.34	74.00	22.30	V
17990.100	51.54	-29.59	45.95	35.18	74.00	22.46	V
11382.950	50.37	-33.31	38.85	44.83	74.00	23.63	V
11396.150	50.10	-32.58	39.00	43.68	74.00	23.90	V
13761.700	48.52	-31.18	41.10	38.60	68.20	19.68	V
14211.050	48.04	-30.75	41.75	37.04	68.20	20.16	H





**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.25	Fig.26	<b>P</b>
0.5 to 5	56			
5 to 30	60			

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

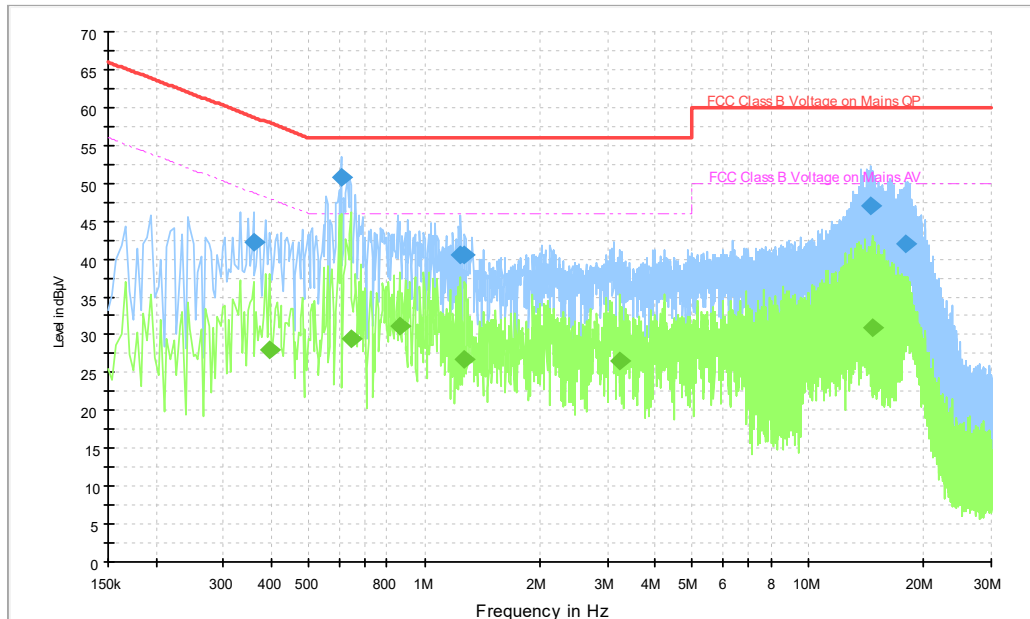
WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.25	Fig.26	<b>P</b>
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:



**Fig.25 Conducted Emission (802.11a, Ch36, TX)**

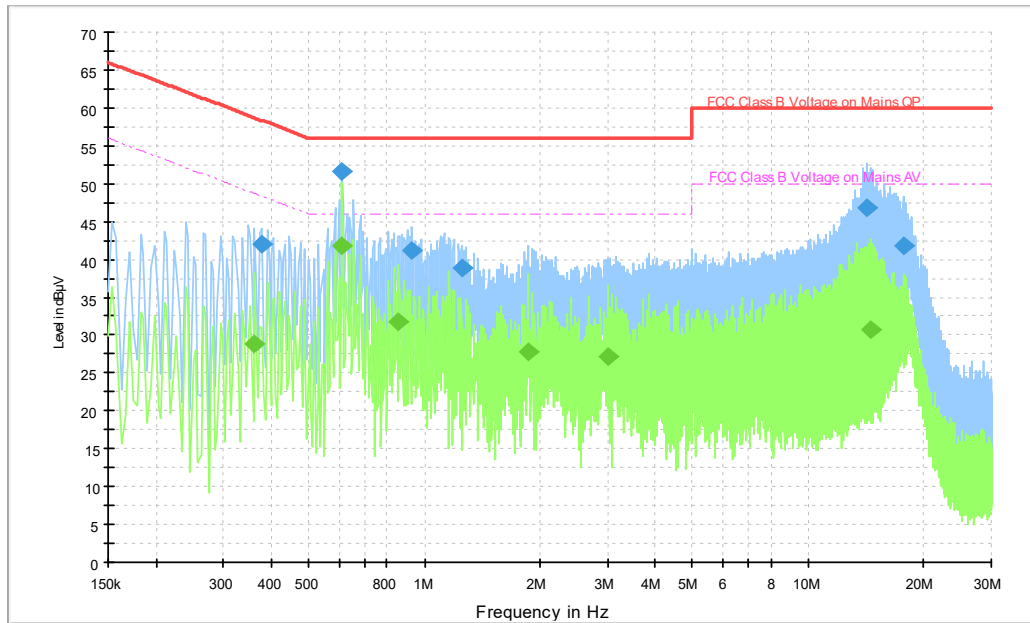
Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.358000	42.2	2000.0	9.000	On	N	19.8	16.6	58.8
0.606000	50.9	2000.0	9.000	On	N	19.9	5.1	56.0
1.246000	40.6	2000.0	9.000	On	L1	19.9	15.4	56.0
1.274000	40.6	2000.0	9.000	On	L1	19.9	15.4	56.0
14.598000	47.0	2000.0	9.000	On	N	19.8	13.0	60.0
18.042000	41.9	2000.0	9.000	On	N	19.8	18.1	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.394000	28.0	2000.0	9.000	On	L1	20.0	20.0	48.0
0.642000	29.4	2000.0	9.000	On	L1	20.0	16.6	46.0
0.862000	31.2	2000.0	9.000	On	L1	19.9	14.8	46.0
1.274000	26.9	2000.0	9.000	On	L1	19.9	19.2	46.0
3.234000	26.6	2000.0	9.000	On	L1	19.8	19.4	46.0
14.794000	31.0	2000.0	9.000	On	N	19.8	19.0	50.0



**Fig.26 Conducted Emission(802.11a, IDLE)**

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

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.378000	42.0	2000.0	9.000	On	N	19.8	16.4	58.3
0.610000	51.5	2000.0	9.000	On	N	19.9	4.5	56.0
0.930000	41.1	2000.0	9.000	On	L1	19.9	14.9	56.0
1.250000	38.9	2000.0	9.000	On	L1	19.9	17.1	56.0
14.266000	46.7	2000.0	9.000	On	N	19.8	13.3	60.0
17.790000	41.8	2000.0	9.000	On	N	19.8	18.2	60.0

**Final Result 2**

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.362000	28.9	2000.0	9.000	On	N	19.8	19.8	48.7
0.610000	41.8	2000.0	9.000	On	L1	20.0	4.2	46.0
0.858000	31.8	2000.0	9.000	On	L1	19.9	14.2	46.0
1.862000	27.8	2000.0	9.000	On	L1	19.8	18.2	46.0
3.022000	27.2	2000.0	9.000	On	L1	19.8	18.8	46.0
14.482000	30.8	2000.0	9.000	On	N	19.8	19.2	50.0

### **A.8. 99% Occupied bandwidth**

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

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

#### **Measurement Uncertainty:**

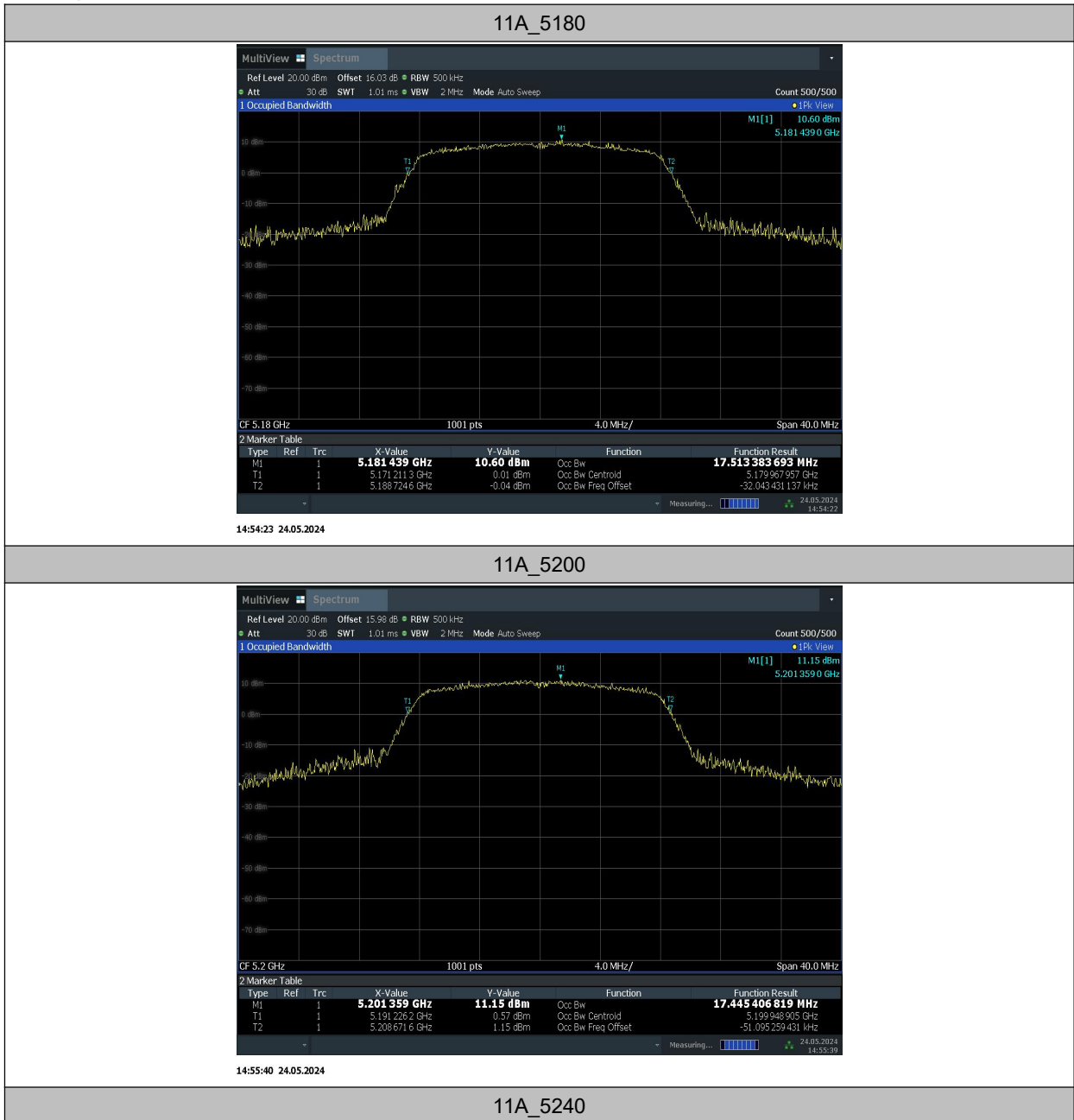
Measurement Uncertainty	60.80Hz
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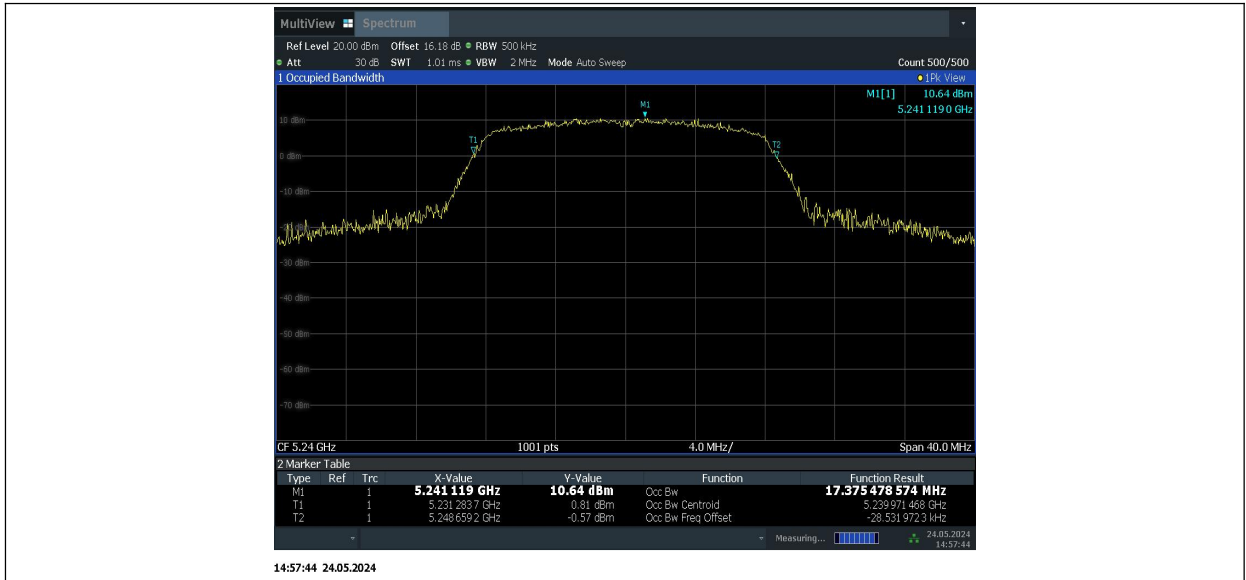
**EUT ID: UT17a**

#### **Measurement Result:**

TestMode	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	5180	17.51	5171.2113	5188.7246	---	---
	5200	17.44	5191.2262	5208.6716	---	---
	5240	17.38	5231.2837	5248.6592	---	---
11N20SISO	5180	18.18	5170.9232	5189.1064	---	---
	5200	18.14	5190.8978	5209.0394	---	---
	5240	18.17	5230.8869	5249.0597	---	---
11N40SISO	5190	36.34	5171.7627	5208.1034	---	---
	5230	36.36	5211.8066	5248.1633	---	---
11AC80SISO	5210	75.29	5172.3028	5247.5874	---	---

Test graphs as below:

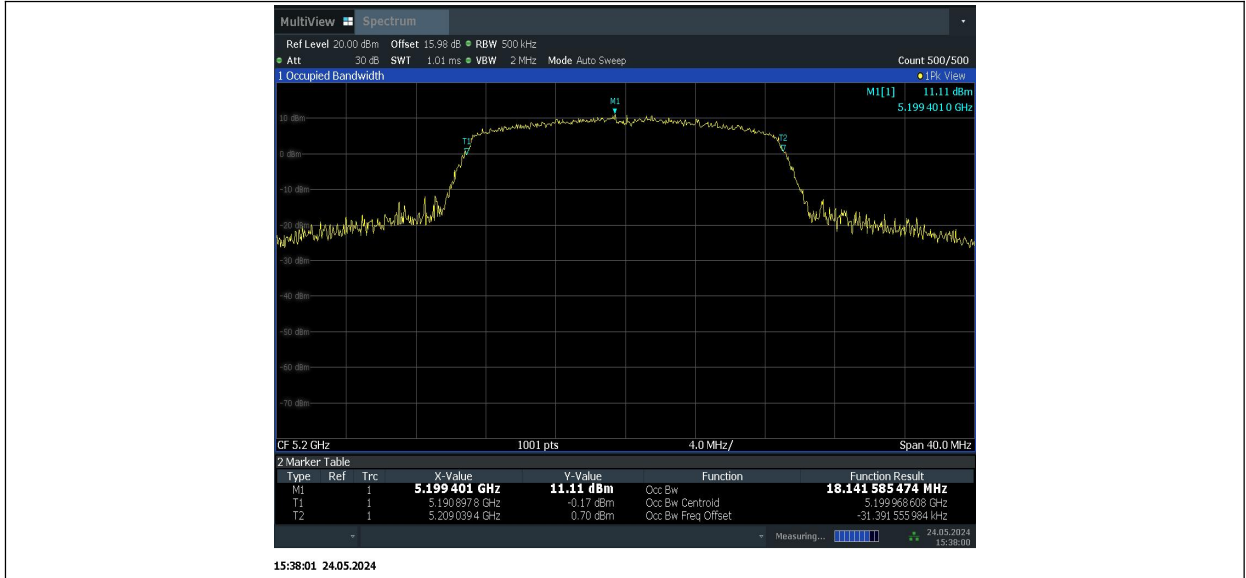




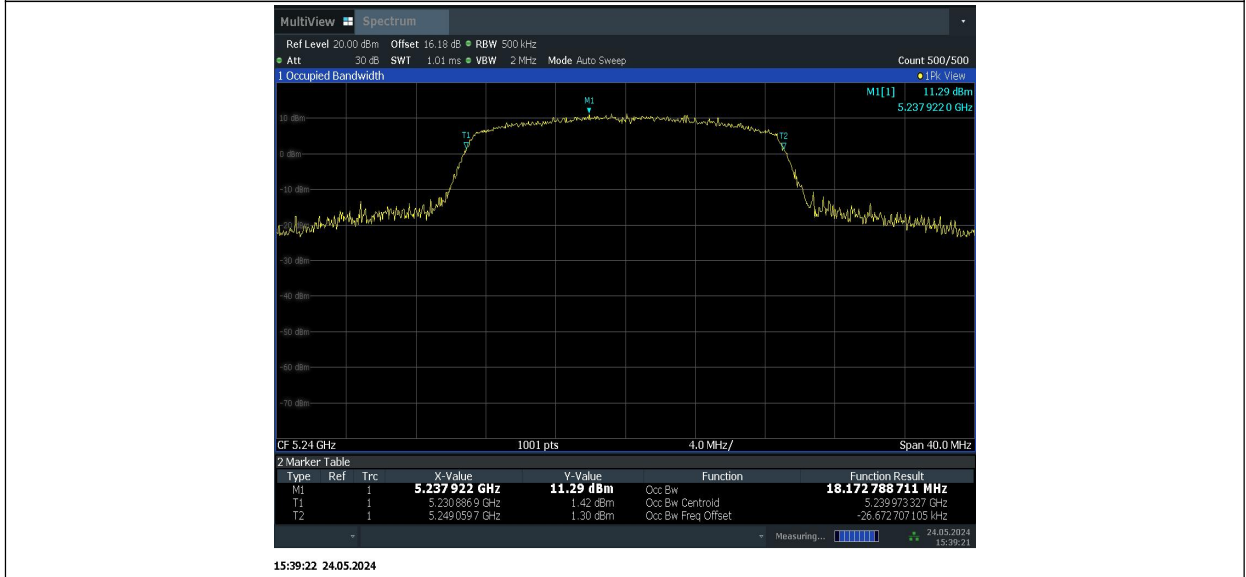
11N20SISO\_5180



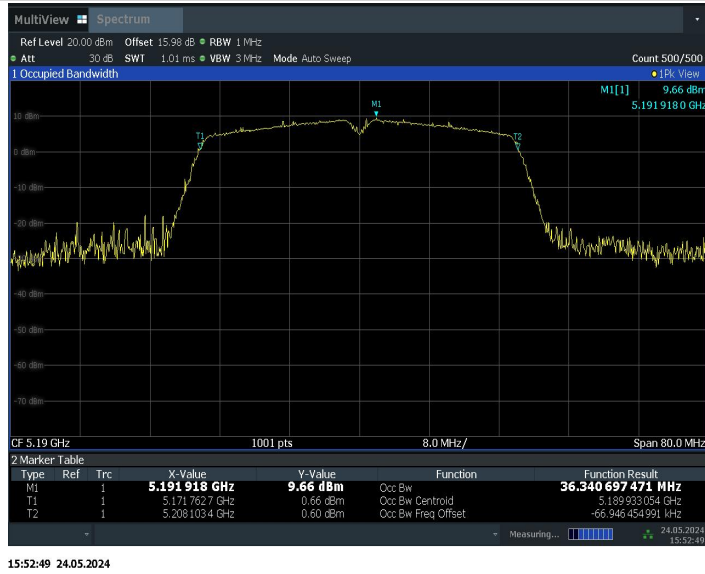
11N20SISO\_5200



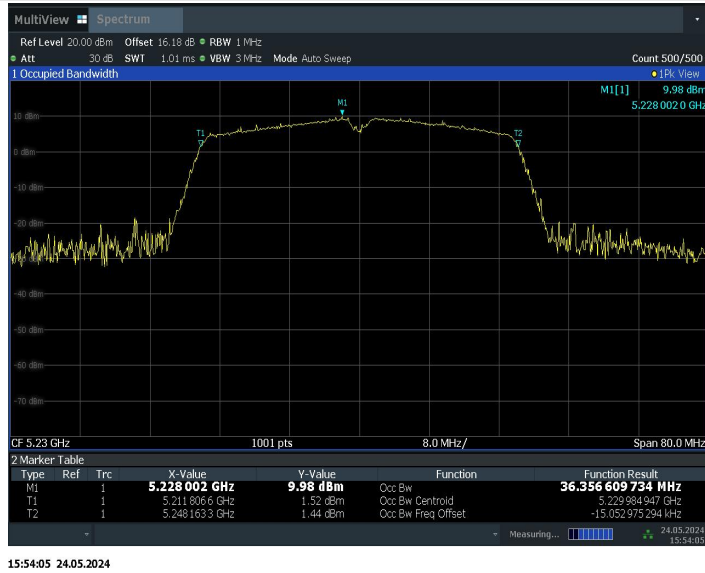
11N20SISO\_5240



11N40SISO\_5190

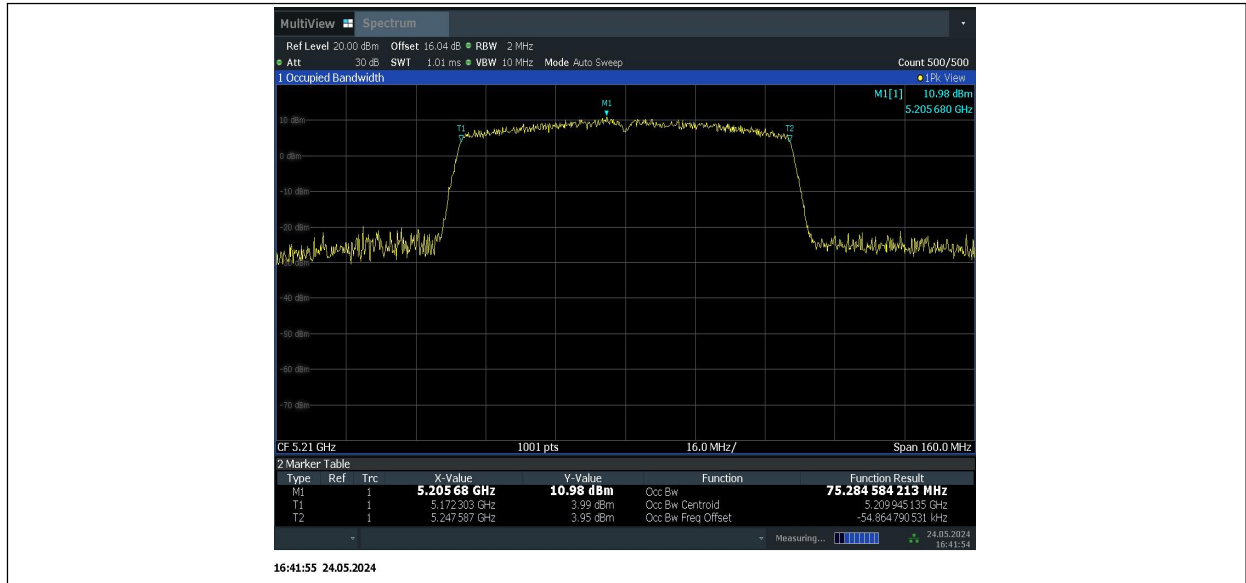


11N40SISO\_5230



11AC80SISO\_5210





**Conclusion: PASS**

### **A.8. Antenna Requirement**

The antenna of the device is permanently attached. There are no provisions for connection to an external antenna.

The unit complies with the requirement of FCC Part 15.203.

### **A.9. Power control**

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

## **ANNEX B: EUT parameters**

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

## ANNEX C: Accreditation Certificate



### Accredited Laboratory

A2LA has accredited

### TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

### Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. 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 April 2017).



Presented this 26<sup>th</sup> day of June 2023.

Mr. Trace McInturf, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7049.01  
Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

\*\*\* END OF REPORT BODY \*\*\*