

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
		26.5 GHz ~ 40 GHz	---	P
	106(5530MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	122(5610MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

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)
15542.200	48.85	-27.36	38.73	37.48	54.00	5.15	V
15539.300	48.11	-27.36	38.73	36.74	54.00	5.89	V
12262.800	37.91	-31.43	38.99	30.35	54.00	16.09	V
12331.000	37.23	-31.10	38.94	29.39	54.00	16.77	H
5149.900	43.47	-27.61	33.67	37.41	54.00	10.53	V
5150.000	43.33	-27.61	33.67	37.27	54.00	10.67	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)
15601.600	49.45	-27.23	38.61	38.07	54.00	4.55	V
15600.900	48.06	-27.23	38.61	36.68	54.00	5.94	V
12291.000	37.45	-31.10	38.94	29.61	54.00	16.55	H
12329.900	37.33	-31.10	38.94	29.49	54.00	16.67	V
8197.200	33.81	-35.19	37.45	31.56	54.00	20.19	H
8414.200	33.77	-34.35	37.79	30.33	54.00	20.23	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)
15721.900	48.19	-27.23	38.61	36.81	54.00	5.81	V
15717.500	48.03	-27.23	38.61	36.65	54.00	5.97	V
12266.100	37.06	-31.43	38.99	29.50	54.00	16.94	H
12264.200	37.01	-31.43	38.99	29.45	54.00	16.99	H
9028.800	33.70	-33.76	38.13	29.33	54.00	20.30	H
9420.000	33.68	-32.95	37.91	28.71	54.00	20.32	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)
15783.900	52.43	-26.97	38.48	40.92	54.00	1.57	V
15775.800	52.09	-26.97	38.48	40.58	54.00	1.91	V
12290.600	37.26	-31.10	38.94	29.42	54.00	16.74	H
12306.800	37.24	-31.10	38.94	29.40	54.00	16.76	V
9127.800	33.76	-33.85	38.08	29.53	54.00	20.24	V
8303.900	33.71	-34.97	37.56	31.11	54.00	20.29	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)
15845.100	49.34	-26.97	38.48	37.83	54.00	4.66	V
15842.500	49.31	-26.97	38.48	37.80	54.00	4.69	V
12328.400	37.53	-31.10	38.94	29.69	54.00	16.47	H
12332.400	37.31	-31.10	38.94	29.47	54.00	16.69	H
9094.000	34.13	-33.76	38.13	29.76	54.00	19.87	V
8497.100	33.77	-34.13	37.86	30.03	54.00	20.23	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)
15959.900	49.02	-27.35	38.54	37.83	54.00	4.98	V
15961.000	48.90	-27.35	38.54	37.71	54.00	5.10	V
12331.000	37.37	-31.10	38.94	29.53	54.00	16.63	H
12332.100	37.37	-31.10	38.94	29.53	54.00	16.63	H
5351.600	46.85	-27.43	34.01	40.27	54.00	7.15	V
5354.000	46.06	-27.43	34.01	39.48	54.00	7.94	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)
17870.900	41.00	-25.50	46.66	19.84	54.00	13.00	H
17938.000	40.66	-25.50	46.66	19.50	54.00	13.34	H
12329.900	37.21	-31.10	38.94	29.37	54.00	16.79	H
12303.500	37.07	-31.10	38.94	29.23	54.00	16.93	H
5454.800	42.79	-27.18	34.17	35.80	54.00	11.21	V
5456.200	42.75	-27.18	34.17	35.76	54.00	11.25	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17977.600	40.50	-25.50	46.66	19.34	54.00	13.50	V
17941.300	40.38	-25.50	46.66	19.22	54.00	13.62	V
12331.700	37.62	-31.10	38.94	29.78	54.00	16.38	V
12261.700	37.09	-31.43	38.99	29.53	54.00	16.91	H
9172.100	33.82	-33.85	38.08	29.59	54.00	20.18	H
9141.300	33.81	-33.85	38.08	29.58	54.00	20.19	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)
17952.000	40.75	-25.50	46.66	19.59	54.00	13.25	H
17949.800	40.60	-25.50	46.66	19.44	54.00	13.40	H
12331.000	37.72	-31.10	38.94	29.88	54.00	16.28	V
12223.900	37.08	-31.43	38.99	29.52	54.00	16.92	V
8483.500	33.75	-34.35	37.79	30.31	54.00	20.25	H
9050.000	33.75	-33.76	38.13	29.38	54.00	20.25	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)
17973.600	41.00	-25.50	46.66	19.84	54.00	13.00	H
17969.200	40.68	-25.50	46.66	19.52	54.00	13.32	V
12328.800	37.38	-31.10	38.94	29.54	54.00	16.62	V
12332.100	37.35	-31.10	38.94	29.51	54.00	16.65	H
9078.300	33.70	-33.76	38.13	29.33	54.00	20.30	H
8355.900	33.63	-34.50	37.68	30.45	54.00	20.37	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)
15543.700	46.24	-27.36	38.73	34.87	54.00	7.76	V
15546.600	45.87	-27.36	38.73	34.50	54.00	8.13	V
12331.700	37.31	-31.10	38.94	29.47	54.00	16.69	H
12332.800	37.12	-31.10	38.94	29.28	54.00	16.88	H
5147.700	43.56	-27.61	33.67	37.50	54.00	10.44	H
5149.900	43.20	-27.61	33.67	37.14	54.00	10.80	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15594.700	47.44	-27.23	38.61	36.06	54.00	6.56	V
15606.400	46.19	-27.23	38.61	34.81	54.00	7.81	V
11735.100	37.47	-31.99	38.98	30.48	54.00	16.53	H
12309.700	37.03	-31.10	38.94	29.19	54.00	16.97	V
9035.000	33.68	-33.76	38.13	29.31	54.00	20.32	V
8217.000	33.65	-35.19	37.45	31.40	54.00	20.35	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)
15721.500	49.20	-27.23	38.61	37.82	54.00	4.80	V
15722.300	49.13	-27.23	38.61	37.75	54.00	4.87	V
12305.300	37.97	-31.10	38.94	30.13	54.00	16.03	V
12330.600	37.16	-31.10	38.94	29.32	54.00	16.84	V
8334.300	33.94	-34.50	37.68	30.76	54.00	20.06	H
9445.700	33.78	-32.95	37.91	28.81	54.00	20.22	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)
15783.100	50.51	-26.97	38.48	39.00	54.00	3.49	V
15779.500	49.96	-26.97	38.48	38.45	54.00	4.04	V
12332.800	37.74	-31.10	38.94	29.90	54.00	16.26	V
12331.000	37.35	-31.10	38.94	29.51	54.00	16.65	H
9036.500	34.01	-33.76	38.13	29.64	54.00	19.99	V
9060.300	33.80	-33.76	38.13	29.43	54.00	20.20	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)
15844.000	49.19	-26.97	38.48	37.68	54.00	4.81	V
15840.700	48.74	-26.97	38.48	37.23	54.00	5.26	V
12285.500	37.54	-31.10	38.94	29.70	54.00	16.46	H
12331.700	37.50	-31.10	38.94	29.66	54.00	16.50	H
9040.100	33.80	-33.76	38.13	29.43	54.00	20.20	H
9480.500	33.69	-33.19	37.93	28.96	54.00	20.31	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)
15958.800	49.04	-27.35	38.54	37.85	54.00	4.96	V
15962.100	48.92	-27.35	38.54	37.73	54.00	5.08	V
12331.300	37.99	-31.10	38.94	30.15	54.00	16.01	V
12332.100	37.76	-31.10	38.94	29.92	54.00	16.24	V
5351.800	46.91	-27.43	34.01	40.33	54.00	7.09	H
5350.100	46.43	-27.43	34.01	39.85	54.00	7.57	H

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17910.200	40.96	-25.50	46.66	19.80	54.00	13.04	H
17978.400	40.58	-25.50	46.66	19.42	54.00	13.42	V
12331.700	37.80	-31.10	38.94	29.96	54.00	16.20	H
12331.000	37.13	-31.10	38.94	29.29	54.00	16.87	H
5450.300	42.93	-27.18	34.17	35.94	54.00	11.07	V
5457.500	42.90	-27.18	34.17	35.91	54.00	11.10	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17856.600	40.82	-25.50	46.66	19.66	54.00	13.18	V
17930.300	40.65	-25.50	46.66	19.49	54.00	13.35	H
12333.200	37.12	-31.10	38.94	29.28	54.00	16.88	H
12292.100	36.94	-31.10	38.94	29.10	54.00	17.06	H
9042.700	33.94	-33.76	38.13	29.57	54.00	20.06	V
9135.100	33.67	-33.85	38.08	29.44	54.00	20.33	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)
17906.900	40.82	-25.50	46.66	19.66	54.00	13.18	H
17957.100	40.56	-25.50	46.66	19.40	54.00	13.44	V
12305.300	37.33	-31.10	38.94	29.49	54.00	16.67	V
12223.900	37.31	-31.43	38.99	29.75	54.00	16.69	V
9153.400	33.88	-33.85	38.08	29.65	54.00	20.12	V
8497.100	33.61	-34.13	37.86	29.87	54.00	20.39	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)
17965.900	40.98	-25.50	46.66	19.82	54.00	13.02	V
17936.200	40.72	-25.50	46.66	19.56	54.00	13.28	V
12330.200	37.60	-31.10	38.94	29.76	54.00	16.40	H
12331.000	37.26	-31.10	38.94	29.42	54.00	16.74	V
9427.300	33.70	-32.95	37.91	28.73	54.00	20.30	H
9032.100	33.56	-33.76	38.13	29.19	54.00	20.44	H

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)
15578.900	45.56	-27.36	38.73	34.19	54.00	8.44	V
15571.200	45.30	-27.36	38.73	33.93	54.00	8.70	V
12332.400	38.10	-31.10	38.94	30.26	54.00	15.90	H
12331.700	37.58	-31.10	38.94	29.74	54.00	16.42	V
5149.800	51.95	-27.61	33.67	45.89	54.00	2.05	H
5148.400	51.94	-27.61	33.67	45.88	54.00	2.06	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)
15681.900	49.40	-27.23	38.61	38.02	54.00	4.60	V
15697.700	49.06	-27.23	38.61	37.68	54.00	4.94	V
12332.800	37.50	-31.10	38.94	29.66	54.00	16.50	H
12268.300	37.49	-31.43	38.99	29.93	54.00	16.51	H
9083.000	34.02	-33.76	38.13	29.65	54.00	19.98	V
8497.500	34.00	-34.13	37.86	30.26	54.00	20.00	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)
15819.800	49.31	-26.97	38.48	37.80	54.00	4.69	V
15816.900	48.75	-26.97	38.48	37.24	54.00	5.25	V
11722.700	37.41	-31.99	38.98	30.42	54.00	16.59	H
12329.900	37.16	-31.10	38.94	29.32	54.00	16.84	V
8432.200	33.88	-34.35	37.79	30.44	54.00	20.12	V
8277.800	33.86	-34.97	37.56	31.26	54.00	20.14	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)
15938.200	46.02	-27.35	38.54	34.83	54.00	7.98	V
15930.200	45.24	-27.35	38.54	34.05	54.00	8.76	V
12330.200	37.46	-31.10	38.94	29.62	54.00	16.54	V
12332.400	37.44	-31.10	38.94	29.60	54.00	16.56	H
5350.300	50.13	-27.43	34.01	43.55	54.00	3.87	H
5351.100	50.13	-27.43	34.01	43.55	54.00	3.87	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)
17871.700	40.67	-25.50	46.66	19.51	54.00	13.33	V
17972.500	40.38	-25.50	46.66	19.22	54.00	13.62	V
12327.700	36.82	-31.10	38.94	28.98	54.00	17.18	V
12332.800	36.79	-31.10	38.94	28.95	54.00	17.21	H
5449.000	46.36	-27.18	34.17	39.37	54.00	7.64	V
5446.600	46.06	-27.18	34.17	39.07	54.00	7.94	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)
17934.700	41.03	-25.50	46.66	19.87	54.00	12.97	V
17935.500	40.66	-25.50	46.66	19.50	54.00	13.34	V
12331.700	37.85	-31.10	38.94	30.01	54.00	16.15	H
12331.300	37.56	-31.10	38.94	29.72	54.00	16.44	V
8383.100	33.98	-34.50	37.68	30.80	54.00	20.02	V
8200.500	33.87	-35.19	37.45	31.62	54.00	20.13	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)
17932.200	41.13	-25.50	46.66	19.97	54.00	12.87	V
17943.200	40.89	-25.50	46.66	19.73	54.00	13.11	H
12290.300	37.61	-31.10	38.94	29.77	54.00	16.39	H
12308.600	37.08	-31.10	38.94	29.24	54.00	16.92	V
9054.400	33.72	-33.76	38.13	29.35	54.00	20.28	H
9047.500	33.70	-33.76	38.13	29.33	54.00	20.30	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)
17935.800	40.77	-25.50	46.66	19.61	54.00	13.23	H
17974.300	40.72	-25.50	46.66	19.56	54.00	13.28	V
12331.700	38.09	-31.10	38.94	30.25	54.00	15.91	V
12331.000	37.75	-31.10	38.94	29.91	54.00	16.25	H
8033.600	34.02	-34.68	37.22	31.49	54.00	19.98	V
8103.700	33.84	-34.58	37.33	31.09	54.00	20.16	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)
15544.100	47.07	-27.36	38.73	35.70	54.00	6.93	V
15541.500	46.57	-27.36	38.73	35.20	54.00	7.43	V
12269.400	37.74	-31.43	38.99	30.18	54.00	16.26	H
12266.400	37.72	-31.43	38.99	30.16	54.00	16.28	H
5144.000	43.16	-27.61	33.67	37.10	54.00	10.84	H
5149.300	42.67	-27.61	33.67	36.61	54.00	11.33	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15602.700	48.10	-27.23	38.61	36.72	54.00	5.90	V
15600.900	47.59	-27.23	38.61	36.21	54.00	6.41	V
12289.900	38.60	-31.10	38.94	30.76	54.00	15.40	V
12329.500	37.64	-31.10	38.94	29.80	54.00	16.36	H
9025.800	34.32	-33.76	38.13	29.95	54.00	19.68	H
9066.200	34.18	-33.76	38.13	29.81	54.00	19.82	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)
15716.400	49.59	-27.23	38.61	38.21	54.00	4.41	V
15716.000	49.36	-27.23	38.61	37.98	54.00	4.64	V
12332.400	37.60	-31.10	38.94	29.76	54.00	16.40	H
12261.700	37.55	-31.43	38.99	29.99	54.00	16.45	V
8419.000	34.07	-34.35	37.79	30.63	54.00	19.93	V
9458.100	34.04	-32.95	37.91	29.07	54.00	19.96	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)
15778.000	51.26	-26.97	38.48	39.75	54.00	2.74	V
15780.600	50.70	-26.97	38.48	39.19	54.00	3.30	V
12331.700	37.59	-31.10	38.94	29.75	54.00	16.41	H
12331.000	37.27	-31.10	38.94	29.43	54.00	16.73	H
9051.500	34.54	-33.76	38.13	30.17	54.00	19.46	H
9061.800	34.15	-33.76	38.13	29.78	54.00	19.85	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)
15841.800	50.25	-26.97	38.48	38.74	54.00	3.75	V
15846.600	49.74	-26.97	38.48	38.23	54.00	4.26	V
12331.700	37.66	-31.10	38.94	29.82	54.00	16.34	H
12324.400	37.18	-31.10	38.94	29.34	54.00	16.82	V
9134.000	33.63	-33.85	38.08	29.40	54.00	20.37	V
8474.400	33.58	-34.35	37.79	30.14	54.00	20.42	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)
15962.800	49.23	-27.35	38.54	38.04	54.00	4.77	V
15963.900	49.11	-27.35	38.54	37.92	54.00	4.89	V
12331.700	37.32	-31.10	38.94	29.48	54.00	16.68	V
12332.800	37.22	-31.10	38.94	29.38	54.00	16.78	V
5350.800	44.17	-27.43	34.01	37.59	54.00	9.83	V
5351.200	43.96	-27.43	34.01	37.38	54.00	10.04	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)
17938.800	41.03	-25.50	46.66	19.87	54.00	12.97	H
17919.700	40.37	-25.50	46.66	19.21	54.00	13.63	V
12331.000	37.72	-31.10	38.94	29.88	54.00	16.28	V
12333.200	37.28	-31.10	38.94	29.44	54.00	16.72	V
5459.500	42.91	-27.18	34.17	35.92	54.00	11.09	V
5452.200	42.74	-27.18	34.17	35.75	54.00	11.26	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17944.600	40.66	-25.50	46.66	19.50	54.00	13.34	H
17867.600	40.41	-25.50	46.66	19.25	54.00	13.59	V
12307.900	37.44	-31.10	38.94	29.60	54.00	16.56	H
12266.400	37.04	-31.43	38.99	29.48	54.00	16.96	H
9051.500	34.14	-33.76	38.13	29.77	54.00	19.86	H
9117.500	33.74	-33.85	38.08	29.51	54.00	20.26	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)
17954.500	40.62	-25.50	46.66	19.46	54.00	13.38	H
17896.600	40.43	-25.50	46.66	19.27	54.00	13.57	V
12331.700	37.94	-31.10	38.94	30.10	54.00	16.06	H
12331.300	37.40	-31.10	38.94	29.56	54.00	16.60	H
8494.500	34.08	-34.13	37.86	30.34	54.00	19.92	H
9064.300	33.81	-33.76	38.13	29.44	54.00	20.19	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)
17937.300	40.87	-25.50	46.66	19.71	54.00	13.13	H
17973.600	40.74	-25.50	46.66	19.58	54.00	13.26	V
12330.200	37.66	-31.10	38.94	29.82	54.00	16.34	H
12290.300	37.39	-31.10	38.94	29.55	54.00	16.61	V
8285.500	34.06	-34.97	37.56	31.46	54.00	19.94	H
9498.500	33.69	-33.19	37.93	28.96	54.00	20.31	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)
15568.300	43.76	-27.36	38.73	32.39	54.00	10.24	V
15570.800	43.59	-27.36	38.73	32.22	54.00	10.41	V
12265.000	37.44	-31.43	38.99	29.88	54.00	16.56	V
12262.800	37.14	-31.43	38.99	29.58	54.00	16.86	V
5149.800	50.39	-27.61	33.67	44.33	54.00	3.61	H
5149.200	48.91	-27.61	33.67	42.85	54.00	5.09	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)
15681.900	48.21	-27.23	38.61	36.83	54.00	5.79	V
15683.400	47.99	-27.23	38.61	36.61	54.00	6.01	V
12327.300	37.56	-31.10	38.94	29.72	54.00	16.44	V
12329.500	37.29	-31.10	38.94	29.45	54.00	16.71	H
9070.600	34.11	-33.76	38.13	29.74	54.00	19.89	V
9048.600	33.86	-33.76	38.13	29.49	54.00	20.14	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)
15812.800	49.38	-26.97	38.48	37.87	54.00	4.62	V
15819.800	47.44	-26.97	38.48	35.93	54.00	6.56	V
12222.800	37.13	-31.43	38.99	29.57	54.00	16.87	V
12332.100	37.08	-31.10	38.94	29.24	54.00	16.92	H
9066.200	34.04	-33.76	38.13	29.67	54.00	19.96	H
8264.600	33.97	-34.97	37.56	31.37	54.00	20.03	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15922.800	45.70	-27.35	38.54	34.51	54.00	8.30	V
15926.100	45.62	-27.35	38.54	34.43	54.00	8.38	V
12262.400	37.15	-31.43	38.99	29.59	54.00	16.85	H
12307.500	37.08	-31.10	38.94	29.24	54.00	16.92	V
5350.400	49.40	-27.43	34.01	42.82	54.00	4.60	V
5350.700	49.03	-27.43	34.01	42.45	54.00	4.97	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)
17836.500	40.76	-25.50	46.66	19.60	54.00	13.24	H
17939.500	40.76	-25.50	46.66	19.60	54.00	13.24	H
12331.300	37.10	-31.10	38.94	29.26	54.00	16.90	H
11732.900	37.04	-31.99	38.98	30.05	54.00	16.96	V
5453.900	44.93	-27.18	34.17	37.94	54.00	9.07	V

5456.600	44.73	-27.18	34.17	37.74	54.00	9.27	V
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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)
17840.100	41.47	-25.50	46.66	20.31	54.00	12.53	V
17964.400	41.09	-25.50	46.66	19.93	54.00	12.91	V
12331.000	37.65	-31.10	38.94	29.81	54.00	16.35	V
12332.800	37.34	-31.10	38.94	29.50	54.00	16.66	V
9181.300	33.87	-33.85	38.08	29.64	54.00	20.13	V
8032.500	33.70	-34.68	37.22	31.17	54.00	20.30	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)
17937.300	40.77	-25.50	46.66	19.61	54.00	13.23	H
17861.000	40.59	-25.50	46.66	19.43	54.00	13.41	V
12329.100	37.77	-31.10	38.94	29.93	54.00	16.23	H
12307.900	37.14	-31.10	38.94	29.30	54.00	16.86	V
8247.800	34.18	-34.97	37.56	31.58	54.00	19.82	V
9051.500	34.17	-33.76	38.13	29.80	54.00	19.83	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)
17975.800	41.41	-25.50	46.66	20.25	54.00	12.59	V
17895.900	40.70	-25.50	46.66	19.54	54.00	13.30	H
12221.300	37.78	-31.43	38.99	30.22	54.00	16.22	V
12218.800	37.58	-31.43	38.99	30.02	54.00	16.42	H
8391.500	34.82	-34.50	37.68	31.64	54.00	19.18	V
9064.700	34.09	-33.76	38.13	29.72	54.00	19.91	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)
15662.100	45.00	-27.23	38.61	33.62	54.00	9.00	V
15684.500	44.96	-27.23	38.61	33.58	54.00	9.04	V
12328.400	37.14	-31.10	38.94	29.30	54.00	16.86	V
12332.100	37.14	-31.10	38.94	29.30	54.00	16.86	H
5148.800	53.74	-27.61	33.67	47.68	54.00	0.26	H
5149.900	53.44	-27.61	33.67	47.38	54.00	0.56	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)
15863.400	44.50	-26.97	38.48	32.99	54.00	9.50	V
15864.500	43.58	-26.97	38.48	32.07	54.00	10.42	V
12332.100	37.38	-31.10	38.94	29.54	54.00	16.62	H
12293.200	37.10	-31.10	38.94	29.26	54.00	16.90	V
5351.300	53.37	-27.43	34.01	46.79	54.00	0.63	V
5352.100	52.54	-27.43	34.01	45.96	54.00	1.46	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)
17939.500	40.60	-25.50	46.66	19.44	54.00	13.40	V
17837.200	40.51	-25.50	46.66	19.35	54.00	13.49	H
12332.400	37.46	-31.10	38.94	29.62	54.00	16.54	H
12331.700	37.26	-31.10	38.94	29.42	54.00	16.74	H
5456.800	54.24	-27.18	34.17	47.25	54.00	-0.24	V
5459.800	53.04	-27.18	34.17	46.05	54.00	0.96	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)
17862.900	40.74	-25.50	46.66	19.58	54.00	13.26	V
17842.700	40.66	-25.50	46.66	19.50	54.00	13.34	H
12331.700	37.50	-31.10	38.94	29.66	54.00	16.50	V
12328.000	37.44	-31.10	38.94	29.60	54.00	16.56	V
8375.700	34.17	-34.50	37.68	30.99	54.00	19.83	V
9476.800	33.95	-33.19	37.93	29.22	54.00	20.05	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)
17953.100	40.77	-25.50	46.66	19.61	54.00	13.23	V
17964.400	40.54	-25.50	46.66	19.38	54.00	13.46	H
12332.800	37.73	-31.10	38.94	29.89	54.00	16.27	H
12331.000	37.70	-31.10	38.94	29.86	54.00	16.30	H
8245.600	33.83	-34.97	37.56	31.23	54.00	20.17	V
9143.500	33.65	-33.85	38.08	29.42	54.00	20.35	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)
15540.400	58.86	-27.36	38.73	47.49	74.00	15.14	V
15542.200	58.10	-27.36	38.73	46.73	74.00	15.90	V
12285.500	45.49	-31.10	38.94	37.65	74.00	28.51	H
12259.500	45.42	-31.43	38.99	37.86	74.00	28.58	H
5150.000	58.96	-27.61	33.67	52.90	74.00	15.04	V
5147.600	55.94	-27.61	33.67	49.88	74.00	18.06	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)
15601.600	59.35	-27.23	38.61	47.97	74.00	14.65	V
15599.800	58.81	-27.23	38.61	47.43	74.00	15.19	V
12221.000	46.13	-31.43	38.99	38.57	74.00	27.87	V
12331.000	45.99	-31.10	38.94	38.15	74.00	28.01	H
10298.200	43.09	-33.68	38.17	38.59	68.30	25.21	H
10229.600	42.81	-33.33	38.15	37.99	68.30	25.49	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)
15721.900	60.53	-27.23	38.61	49.15	74.00	13.47	V
15718.600	60.00	-27.23	38.61	48.62	74.00	14.00	V
12333.200	45.55	-31.10	38.94	37.71	74.00	28.45	V
12256.900	45.39	-31.43	38.99	37.83	74.00	28.61	V
10264.100	43.30	-33.68	38.17	38.80	68.30	25.00	V
9539.200	43.26	-33.19	37.93	38.53	68.30	25.04	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)
15779.100	62.08	-26.97	38.48	50.57	74.00	11.92	V
15772.900	60.99	-26.97	38.48	49.48	74.00	13.01	V
12110.200	45.98	-31.59	39.04	38.53	74.00	28.02	H
11994.000	45.71	-31.48	39.09	38.10	74.00	28.29	V
10260.400	43.51	-33.33	38.15	38.69	68.30	24.79	H
8376.800	43.41	-34.50	37.68	40.23	74.00	30.59	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)
15835.600	60.20	-26.97	38.48	48.69	74.00	13.80	V
15850.200	59.93	-26.97	38.48	48.42	74.00	14.07	V
12302.400	46.16	-31.10	38.94	38.32	74.00	27.84	H
12232.700	45.90	-31.43	38.99	38.34	74.00	28.10	V
10331.500	43.90	-33.68	38.17	39.40	68.30	24.40	H
10247.900	43.56	-33.33	38.15	38.74	68.30	24.74	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)
15959.100	58.93	-27.35	38.54	47.74	74.00	15.07	V
15961.000	57.66	-27.35	38.54	46.47	74.00	16.34	V
12310.400	46.14	-31.10	38.94	38.30	74.00	27.86	H
12295.800	45.90	-31.10	38.94	38.06	74.00	28.10	V
5354.000	61.60	-27.43	34.01	55.02	74.00	12.40	V
5351.600	61.18	-27.43	34.01	54.60	74.00	12.82	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)
16497.800	54.60	-26.96	39.82	41.74	68.30	13.70	V
16495.200	53.14	-26.96	39.82	40.28	68.30	15.16	H
11874.100	45.62	-31.85	39.05	38.42	74.00	28.38	V
12017.100	45.58	-31.48	39.09	37.97	74.00	28.42	H
5459.100	54.22	-27.18	34.17	47.23	74.00	19.78	H
5469.900	58.64	-27.18	34.17	51.65	68.30	9.66	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16800.600	52.24	-26.62	41.49	37.37	68.30	16.06	H
16790.700	51.60	-26.62	41.49	36.73	68.30	16.70	V
12262.800	46.06	-31.43	38.99	38.50	74.00	27.94	V
12268.600	45.86	-31.43	38.99	38.30	74.00	28.14	V
10258.200	43.75	-33.33	38.15	38.93	68.30	24.55	V
8810.600	43.25	-33.90	38.07	39.08	68.30	25.05	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)
17099.100	57.55	-26.60	43.36	40.79	68.30	10.75	V
17106.400	55.74	-26.60	43.36	38.98	68.30	12.56	V
12223.900	46.04	-31.43	38.99	38.48	74.00	27.96	V
12306.800	45.84	-31.10	38.94	38.00	74.00	28.16	V
5728.500	60.92	-27.07	34.31	53.68	68.30	7.38	V
5725.200	60.41	-27.07	34.31	53.17	68.30	7.89	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)
17161.800	54.11	-26.60	43.36	37.35	68.30	14.19	V
17159.600	52.42	-26.60	43.36	35.66	68.30	15.88	V
12327.700	45.84	-31.10	38.94	38.00	74.00	28.16	H
12222.400	45.76	-31.43	38.99	38.20	74.00	28.24	H
8847.600	43.49	-33.54	38.14	38.88	68.30	24.81	H
10104.900	43.25	-33.45	38.13	38.57	68.30	25.05	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)
15543.700	55.64	-27.36	38.73	44.27	74.00	18.36	V
15540.400	55.53	-27.36	38.73	44.16	74.00	18.47	V
12329.100	46.85	-31.10	38.94	39.01	74.00	27.15	V
12013.400	46.04	-31.48	39.09	38.43	74.00	27.96	H
5147.700	55.20	-27.61	33.67	49.14	74.00	18.80	H
5147.700	54.87	-27.61	33.67	48.81	74.00	19.13	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)
15594.700	59.48	-27.23	38.61	48.10	74.00	14.52	V
15599.100	57.35	-27.23	38.61	45.97	74.00	16.65	V
12309.700	46.79	-31.10	38.94	38.95	74.00	27.21	V
12081.300	45.34	-31.59	39.04	37.89	74.00	28.66	H
10292.300	43.24	-33.68	38.17	38.74	68.30	25.06	H
10264.400	43.17	-33.68	38.17	38.67	68.30	25.13	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)
15718.600	59.00	-27.23	38.61	47.62	74.00	15.00	V
15724.500	58.97	-27.23	38.61	47.59	74.00	15.03	V
11763.400	46.28	-31.99	38.98	39.29	74.00	27.72	V
12258.700	45.52	-31.43	38.99	37.96	74.00	28.48	H
10129.100	43.30	-33.45	38.13	38.62	68.30	25.00	V
10150.800	42.86	-33.45	38.13	38.18	68.30	25.44	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)
15786.800	59.03	-26.97	38.48	47.52	74.00	14.97	V
15783.100	58.58	-26.97	38.48	47.07	74.00	15.42	V
12307.500	46.08	-31.10	38.94	38.24	74.00	27.92	H
12331.300	45.92	-31.10	38.94	38.08	74.00	28.08	H
10043.700	43.63	-33.63	38.11	39.15	68.30	24.67	H
7987.100	43.14	-34.78	37.10	40.82	68.30	25.16	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)
15835.900	59.03	-26.97	38.48	47.52	74.00	14.97	V
15838.500	58.15	-26.97	38.48	46.64	74.00	15.85	V
12322.500	46.10	-31.10	38.94	38.26	74.00	27.90	V
12305.700	46.02	-31.10	38.94	38.18	74.00	27.98	V
8728.500	43.28	-34.42	38.00	39.69	68.30	25.02	H
10272.500	42.80	-33.68	38.17	38.30	68.30	25.50	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)
15956.600	58.34	-27.35	38.54	47.15	74.00	15.66	V
15960.600	58.00	-27.35	38.54	46.81	74.00	16.00	V
12291.700	46.07	-31.10	38.94	38.23	74.00	27.93	H
12293.600	45.96	-31.10	38.94	38.12	74.00	28.04	V
5350.600	62.05	-27.43	34.01	55.47	74.00	11.95	H
5351.400	61.44	-27.43	34.01	54.86	74.00	12.56	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)
16496.300	50.73	-26.96	39.82	37.87	68.30	17.57	V
16498.500	49.98	-26.96	39.82	37.12	68.30	18.32	V
12331.700	45.82	-31.10	38.94	37.98	74.00	28.18	H
12263.100	45.66	-31.43	38.99	38.10	74.00	28.34	H
5457.900	54.86	-27.18	34.17	47.87	74.00	19.14	H
5469.000	55.25	-27.18	34.17	48.26	68.30	13.05	H

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16814.200	52.13	-26.62	41.49	37.26	68.30	16.17	V
16805.000	51.81	-26.62	41.49	36.94	68.30	16.49	V
12333.200	45.39	-31.10	38.94	37.55	74.00	28.61	H
12219.900	45.27	-31.43	38.99	37.71	74.00	28.73	H
10253.800	44.50	-33.33	38.15	39.68	68.30	23.80	V
10155.200	43.02	-33.45	38.13	38.34	68.30	25.28	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)
17099.500	55.37	-26.60	43.36	38.61	68.30	12.93	H
17092.900	54.56	-26.60	43.36	37.80	68.30	13.74	H
12330.200	45.76	-31.10	38.94	37.92	74.00	28.24	V
12331.000	45.75	-31.10	38.94	37.91	74.00	28.25	V
5725.100	61.47	-27.07	34.31	54.23	68.30	6.83	V
5725.600	61.43	-27.07	34.31	54.19	68.30	6.87	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)
17160.700	53.18	-26.60	43.36	36.42	68.30	15.12	V
17158.100	52.55	-26.60	43.36	35.79	68.30	15.75	V
12331.700	46.32	-31.10	38.94	38.48	74.00	27.68	H
12155.300	45.95	-31.43	38.99	38.39	74.00	28.05	H
10034.500	43.92	-33.63	38.11	39.44	68.30	24.38	H
10177.200	43.39	-33.33	38.15	38.57	68.30	24.91	H

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)
15578.900	56.50	-27.36	38.73	45.13	74.00	17.50	V
15580.700	55.24	-27.36	38.73	43.87	74.00	18.76	V
12298.300	45.95	-31.10	38.94	38.11	74.00	28.05	H
12325.800	45.92	-31.10	38.94	38.08	74.00	28.08	H
5149.800	67.03	-27.61	33.67	60.97	74.00	6.97	H
5149.700	66.96	-27.61	33.67	60.90	74.00	7.04	H

Channel 46

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15685.200	59.30	-27.23	38.61	47.92	74.00	14.70	V
15701.400	58.79	-27.23	38.61	47.41	74.00	15.21	V
11849.200	46.04	-31.85	39.05	38.84	74.00	27.96	V
12331.700	45.97	-31.10	38.94	38.13	74.00	28.03	V
10168.000	43.73	-33.33	38.15	38.91	68.30	24.57	V
9974.400	43.38	-33.63	38.11	38.90	68.30	24.92	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)
15819.800	58.51	-26.97	38.48	47.00	74.00	15.49	V
15818.700	57.69	-26.97	38.48	46.18	74.00	16.31	V
12241.100	45.64	-31.43	38.99	38.08	74.00	28.36	V
12329.900	45.58	-31.10	38.94	37.74	74.00	28.42	V
10290.500	43.71	-33.68	38.17	39.21	68.30	24.59	H
10069.000	43.15	-33.45	38.13	38.47	68.30	25.15	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)
15939.000	55.80	-27.35	38.54	44.61	74.00	18.20	V
15938.200	55.76	-27.35	38.54	44.57	74.00	18.24	V
12324.700	46.04	-31.10	38.94	38.20	74.00	27.96	H
12212.900	45.73	-31.43	38.99	38.17	74.00	28.27	H
5351.100	64.82	-27.43	34.01	58.24	74.00	9.18	H
5351.100	64.61	-27.43	34.01	58.03	74.00	9.39	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)
17067.600	49.19	-26.60	43.36	32.43	68.30	19.11	H
16956.800	49.12	-26.32	42.36	33.07	68.30	19.18	H
12332.800	46.16	-31.10	38.94	38.32	74.00	27.84	H
12331.700	45.54	-31.10	38.94	37.70	74.00	28.46	V
5449.000	59.11	-27.18	34.17	52.12	74.00	14.89	V
5469.500	67.72	-27.18	34.17	60.73	68.30	0.58	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)
17903.200	49.48	-25.50	46.66	28.32	74.00	24.52	V
16562.300	49.31	-26.87	40.65	35.53	68.30	18.99	H
11737.300	45.81	-31.99	38.98	38.82	74.00	28.19	H
12331.700	45.65	-31.10	38.94	37.81	74.00	28.35	H
8703.900	43.82	-34.42	38.00	40.23	68.30	24.48	V
10099.400	43.46	-33.45	38.13	38.78	68.30	24.84	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)
17028.300	51.05	-26.32	42.36	35.00	68.30	17.25	V
17013.700	50.67	-26.32	42.36	34.62	68.30	17.63	V
12332.800	46.46	-31.10	38.94	38.62	74.00	27.54	H
12305.700	45.65	-31.10	38.94	37.81	74.00	28.35	V
5725.000	60.12	-27.07	34.31	52.88	68.30	8.18	V
5725.900	59.96	-27.07	34.31	52.72	68.30	8.34	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)
17120.700	50.14	-26.60	43.36	33.38	68.30	18.16	V
17124.000	49.89	-26.60	43.36	33.13	68.30	18.41	V
12332.800	45.99	-31.10	38.94	38.15	74.00	28.01	V
12291.700	45.68	-31.10	38.94	37.84	74.00	28.32	V
10099.100	43.69	-33.45	38.13	39.01	68.30	24.61	V
10284.600	43.52	-33.68	38.17	39.02	68.30	24.78	H

802.11ac-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15532.000	58.26	-27.36	38.73	46.89	74.00	15.74	V
15532.300	56.81	-27.36	38.73	45.44	74.00	17.19	V
12264.200	45.84	-31.43	38.99	38.28	74.00	28.16	V
12310.100	45.81	-31.10	38.94	37.97	74.00	28.19	V
5140.400	52.71	-27.61	33.67	46.65	74.00	21.29	H
5149.400	52.59	-27.61	33.67	46.53	74.00	21.41	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)
15602.700	60.27	-27.23	38.61	48.89	74.00	13.73	V
15600.500	60.03	-27.23	38.61	48.65	74.00	13.97	V
12289.900	46.33	-31.10	38.94	38.49	74.00	27.67	V
12262.400	46.29	-31.43	38.99	38.73	74.00	27.71	H
10016.900	43.38	-33.63	38.11	38.90	68.30	24.92	H
9425.900	43.28	-32.95	37.91	38.31	74.00	30.72	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)
15716.000	60.27	-27.23	38.61	48.89	74.00	13.73	V
15716.400	59.98	-27.23	38.61	48.60	74.00	14.02	V
12284.400	45.76	-31.10	38.94	37.92	74.00	28.24	V
12332.800	45.75	-31.10	38.94	37.91	74.00	28.25	V
10258.200	43.54	-33.33	38.15	38.72	68.30	24.76	H
10290.500	42.87	-33.68	38.17	38.37	68.30	25.43	V

Channel 52

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
15783.500	62.36	-26.97	38.48	50.85	74.00	11.64	V
15778.000	61.29	-26.97	38.48	49.78	74.00	12.71	V
12309.300	46.39	-31.10	38.94	38.55	74.00	27.61	H
12309.000	46.07	-31.10	38.94	38.23	74.00	27.93	H
10073.400	43.17	-33.45	38.13	38.49	68.30	25.13	V
10013.300	42.91	-33.63	38.11	38.43	68.30	25.39	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)
15842.900	60.38	-26.97	38.48	48.87	74.00	13.62	V
15832.600	59.95	-26.97	38.48	48.44	74.00	14.05	V
12313.000	45.81	-31.10	38.94	37.97	74.00	28.19	V
12311.900	45.65	-31.10	38.94	37.81	74.00	28.35	H
10098.000	43.32	-33.45	38.13	38.64	68.30	24.98	H

9990.500	43.15	-33.63	38.11	38.67	68.30	25.15	H
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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)
15962.800	58.19	-27.35	38.54	47.00	74.00	15.81	V
15963.900	58.19	-27.35	38.54	47.00	74.00	15.81	V
12299.100	45.65	-31.10	38.94	37.81	74.00	28.35	V
12037.300	45.52	-31.59	39.04	38.07	74.00	28.48	V
5350.700	56.41	-27.43	34.01	49.83	74.00	17.59	V
5355.500	55.06	-27.43	34.01	48.48	74.00	18.94	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)
16494.100	52.00	-26.96	39.82	39.14	68.30	16.30	V
16495.600	51.12	-26.96	39.82	38.26	68.30	17.18	V
12329.900	46.73	-31.10	38.94	38.89	74.00	27.27	V
12110.200	45.65	-31.59	39.04	38.20	74.00	28.35	V
5458.500	52.55	-27.18	34.17	45.56	74.00	21.45	V
5469.800	55.08	-27.18	34.17	48.09	68.30	13.22	V

Channel 120

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16805.400	51.10	-26.62	41.49	36.23	68.30	17.20	V
16795.100	50.80	-26.62	41.49	35.93	68.30	17.50	V
12203.000	45.75	-31.43	38.99	38.19	74.00	28.25	V
12332.400	45.57	-31.10	38.94	37.73	74.00	28.43	V
10223.000	43.34	-33.33	38.15	38.52	68.30	24.96	H
10246.500	43.27	-33.33	38.15	38.45	68.30	25.03	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)
17099.800	55.75	-26.60	43.36	38.99	68.30	12.55	V
17089.600	54.63	-26.60	43.36	37.87	68.30	13.67	V
12285.100	45.69	-31.10	38.94	37.85	74.00	28.31	V
12314.100	45.57	-31.10	38.94	37.73	74.00	28.43	H
5725.500	61.25	-27.07	34.31	54.01	68.30	7.05	V
5727.100	60.96	-27.07	34.31	53.72	68.30	7.34	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)
17162.900	53.26	-26.60	43.36	36.50	68.30	15.04	V
17153.400	53.13	-26.60	43.36	36.37	68.30	15.17	H
12260.200	46.00	-31.43	38.99	38.44	74.00	28.00	V
12226.100	45.73	-31.43	38.99	38.17	74.00	28.27	V
10245.000	43.34	-33.33	38.15	38.52	68.30	24.96	V
9996.000	43.06	-33.63	38.11	38.58	68.30	25.24	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)
15572.300	53.65	-27.36	38.73	42.28	74.00	20.35	V
15580.000	52.94	-27.36	38.73	41.57	74.00	21.06	V
11965.000	45.66	-31.48	39.09	38.05	74.00	28.34	V
11658.100	45.51	-32.31	38.91	38.92	74.00	28.49	V
5149.800	65.39	-27.61	33.67	59.33	74.00	8.61	H
5146.300	61.23	-27.61	33.67	55.17	74.00	12.77	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)
15687.800	57.25	-27.23	38.61	45.87	74.00	16.75	V
15683.000	56.56	-27.23	38.61	45.18	74.00	17.44	V
12327.300	47.07	-31.10	38.94	39.23	74.00	26.93	V
12333.200	46.64	-31.10	38.94	38.80	74.00	27.36	H
8947.400	43.30	-33.28	38.19	38.39	68.30	25.00	V
10022.400	43.10	-33.63	38.11	38.62	68.30	25.20	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)
15815.000	58.09	-26.97	38.48	46.58	74.00	15.91	V
15818.000	56.64	-26.97	38.48	45.13	74.00	17.36	V
12220.200	46.03	-31.43	38.99	38.47	74.00	27.97	V
12291.000	45.82	-31.10	38.94	37.98	74.00	28.18	V
10284.200	43.22	-33.68	38.17	38.72	68.30	25.08	H
10097.600	43.17	-33.45	38.13	38.49	68.30	25.13	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)
15931.600	54.90	-27.35	38.54	43.71	74.00	19.10	V
15926.900	54.12	-27.35	38.54	42.93	74.00	19.88	V
12332.100	47.01	-31.10	38.94	39.17	74.00	26.99	H
12262.400	45.50	-31.43	38.99	37.94	74.00	28.50	H
5350.400	64.27	-27.43	34.01	57.69	74.00	9.73	V
5355.800	63.40	-27.43	34.01	56.82	74.00	10.60	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)
17344.800	49.77	-25.95	44.35	31.36	68.30	18.53	H
17979.500	49.65	-25.50	46.66	28.49	74.00	24.35	V
12214.400	46.21	-31.43	38.99	38.65	74.00	27.79	V
12331.300	45.53	-31.10	38.94	37.69	74.00	28.47	H
5457.800	56.72	-27.18	34.17	49.73	74.00	17.28	V

5468.900	64.57	-27.18	34.17	57.58	68.30	3.73	V
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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)
17968.800	49.29	-25.50	46.66	28.13	74.00	24.71	H
16772.000	49.28	-26.62	41.49	34.41	68.30	19.02	V
12330.600	46.73	-31.10	38.94	38.89	74.00	27.27	H
12219.100	45.71	-31.43	38.99	38.15	74.00	28.29	V
9974.800	43.03	-33.63	38.11	38.55	68.30	25.27	V
8521.700	42.89	-34.13	37.86	39.15	68.30	25.41	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)
17012.200	50.43	-26.32	42.36	34.38	68.30	17.87	V
17001.600	50.38	-26.32	42.36	34.33	68.30	17.92	V
12332.100	46.12	-31.10	38.94	38.28	74.00	27.88	H
12331.000	45.88	-31.10	38.94	38.04	74.00	28.12	H
5727.600	57.56	-27.07	34.31	50.32	68.30	10.74	V
5725.500	56.58	-27.07	34.31	49.34	68.30	11.72	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)
17114.900	50.85	-26.60	43.36	34.09	68.30	17.45	V
17963.300	50.31	-25.50	46.66	29.15	74.00	23.69	V
12333.200	46.36	-31.10	38.94	38.52	74.00	27.64	H
12327.700	46.04	-31.10	38.94	38.20	74.00	27.96	H
10241.700	43.82	-33.33	38.15	39.00	68.30	24.48	H
8502.600	43.71	-34.13	37.86	39.97	68.30	24.59	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)
15684.500	54.64	-27.23	38.61	43.26	74.00	19.36	V
15684.100	53.71	-27.23	38.61	42.33	74.00	20.29	V
12294.300	45.77	-31.10	38.94	37.93	74.00	28.23	V
12326.600	45.75	-31.10	38.94	37.91	74.00	28.25	V
5144.300	66.44	-27.61	33.67	60.38	74.00	7.56	H
5148.800	66.31	-27.61	33.67	60.25	74.00	7.69	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)
15863.400	54.22	-26.97	38.48	42.71	74.00	19.78	V
15853.500	52.37	-26.97	38.48	40.86	74.00	21.63	V
12284.800	45.58	-31.10	38.94	37.74	74.00	28.42	H
12298.700	45.48	-31.10	38.94	37.64	74.00	28.52	H
5354.100	64.59	-27.43	34.01	58.01	74.00	9.41	V
5352.600	64.40	-27.43	34.01	57.82	74.00	9.60	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)
17975.800	49.53	-25.50	46.66	28.37	74.00	24.47	H
16856.000	49.35	-26.62	41.49	34.48	68.30	18.95	V
12332.400	46.00	-31.10	38.94	38.16	74.00	28.00	H
12311.900	45.76	-31.10	38.94	37.92	74.00	28.24	H
5448.600	67.23	-27.18	34.17	60.24	74.00	6.77	V
5462.400	69.86	-27.18	34.17	62.87	68.30	-1.56	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)
17862.900	49.17	-25.50	46.66	28.01	74.00	24.83	V
17933.300	49.11	-25.50	46.66	27.95	74.00	24.89	V
12333.200	46.24	-31.10	38.94	38.40	74.00	27.76	H
11992.200	45.90	-31.48	39.09	38.29	74.00	28.10	V
5735.300	57.94	-27.07	34.31	50.70	68.30	10.36	V
5727.900	57.30	-27.07	34.31	50.06	68.30	11.00	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)
17997.100	49.09	-25.50	46.66	27.93	74.00	24.91	V
16827.000	49.04	-26.62	41.49	34.17	68.30	19.26	H
12330.200	46.66	-31.10	38.94	38.82	74.00	27.34	H
12332.800	46.51	-31.10	38.94	38.67	74.00	27.49	H
10251.200	43.70	-33.33	38.15	38.88	68.30	24.60	V
10104.600	43.54	-33.45	38.13	38.86	68.30	24.76	H

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

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement uncertainty:

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

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger AE5		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.58	Fig.59	P
0.5 to 5	56			
5 to 30	60			

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

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger AE5		
		802.11a	Idle	
0.15 to 0.5	67 56 to 46	Fig.58	Fig.59	P
0.5 to 5	46			
5 to 30	50			

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

Conclusion: PASS

Test graphs as below:

Traffic:

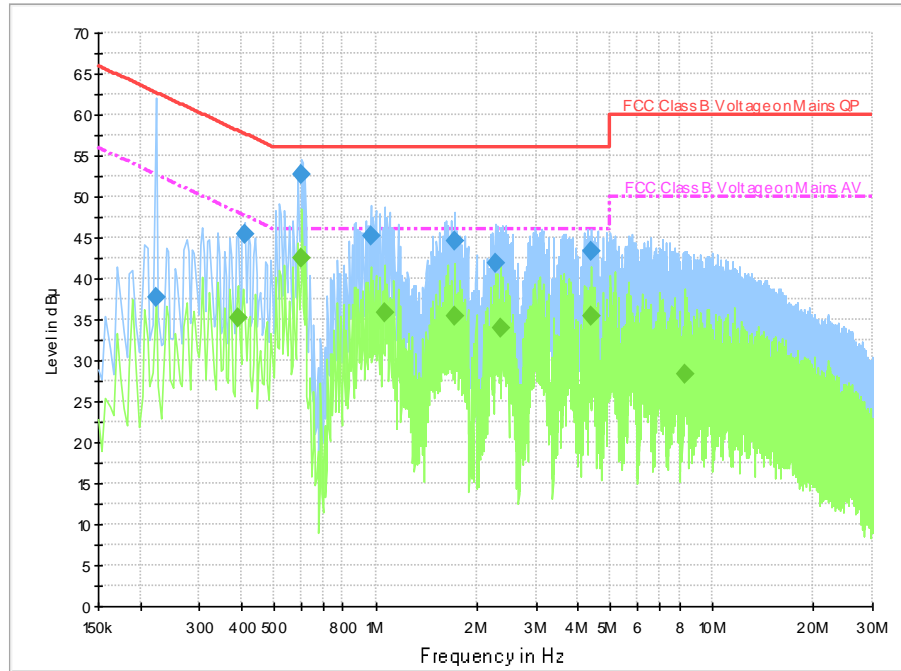


Fig.58 Conducted Emission (802.11a, Ch36, TX)

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)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.222000	37.8	9.000	On	N	19.7	25.0	62.7
0.410000	45.4	9.000	On	L1	19.7	12.2	57.6
0.602000	52.7	9.000	On	L1	19.7	3.3	56.0
0.966000	45.2	9.000	On	L1	19.7	10.8	56.0
1.710000	44.7	9.000	On	L1	19.6	11.3	56.0
2.262000	41.8	9.000	On	L1	19.6	14.2	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.390000	35.2	9.000	On	L1	19.7	12.9	48.1
0.602000	42.4	9.000	On	L1	19.7	3.6	46.0
1.066000	35.9	9.000	On	L1	19.7	10.1	46.0
1.710000	35.4	9.000	On	L1	19.6	10.6	46.0
2.350000	34.0	9.000	On	L1	19.6	12.0	46.0
4.386000	35.5	9.000	On	L1	19.6	10.5	46.0

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

Idle:

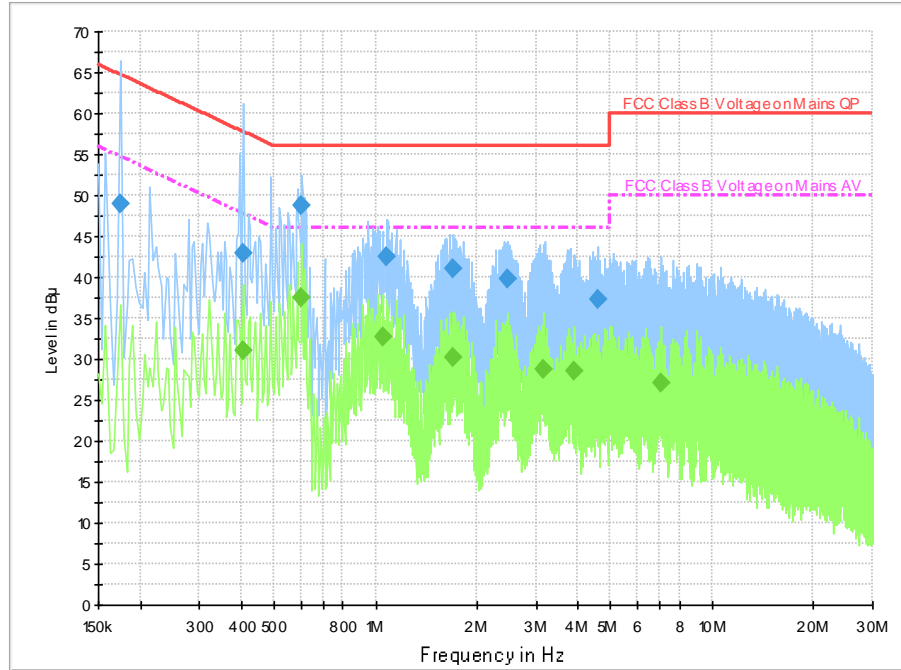


Fig.59 Conducted Emission(802.11a, IDLE)

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

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.174000	48.9	9.000	On	L1	19.7	15.9	64.8
0.406000	42.9	9.000	On	L1	19.7	14.8	57.7
0.602000	48.7	9.000	On	L1	19.7	7.3	56.0
1.082000	42.4	9.000	On	L1	19.7	13.6	56.0
1.694000	41.1	9.000	On	L1	19.6	14.9	56.0
2.478000	39.7	9.000	On	L1	19.6	16.3	56.0

Final Result 2

Frequency (MHz)	QuasiPeak (dB μ V)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.406000	31.1	9.000	On	L1	19.7	16.6	47.7
0.602000	37.6	9.000	On	L1	19.7	8.4	46.0
1.050000	32.7	9.000	On	L1	19.7	13.3	46.0
1.694000	30.2	9.000	On	L1	19.6	15.8	46.0
3.150000	28.7	9.000	On	L1	19.6	17.3	46.0
3.874000	28.5	9.000	On	L1	19.6	17.5	46.0

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

A.8. 99% Occupied bandwidth

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

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

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
		Fig.	Value	
802.11a	5180 MHz	Fig.60	17.36	P
	5200 MHz	Fig.61	17.28	P
	5240 MHz	Fig.62	17.32	P
802.11n HT20	5180 MHz	Fig.63	18.16	P
	5200 MHz	Fig.64	18.08	P
	5240 MHz	Fig.65	18.12	P
802.11n HT40	5190 MHz	Fig.66	36.24	P
	5230 MHz	Fig.67	36.24	P
802.11ac HT80	5210 MHz	Fig.68	75.20	P

Conclusion: PASS
Test graphs as below:

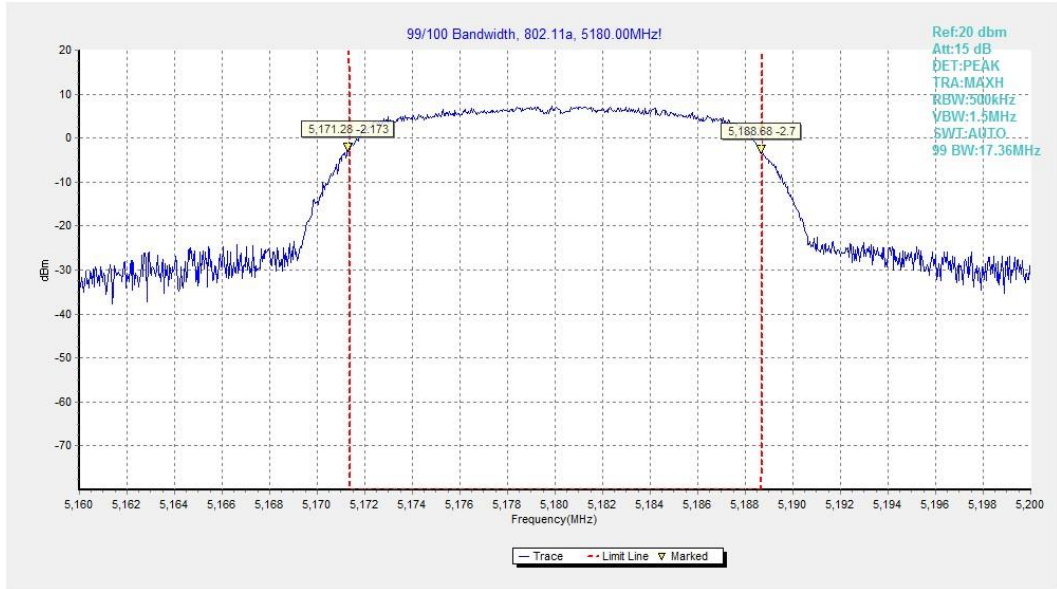


Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)

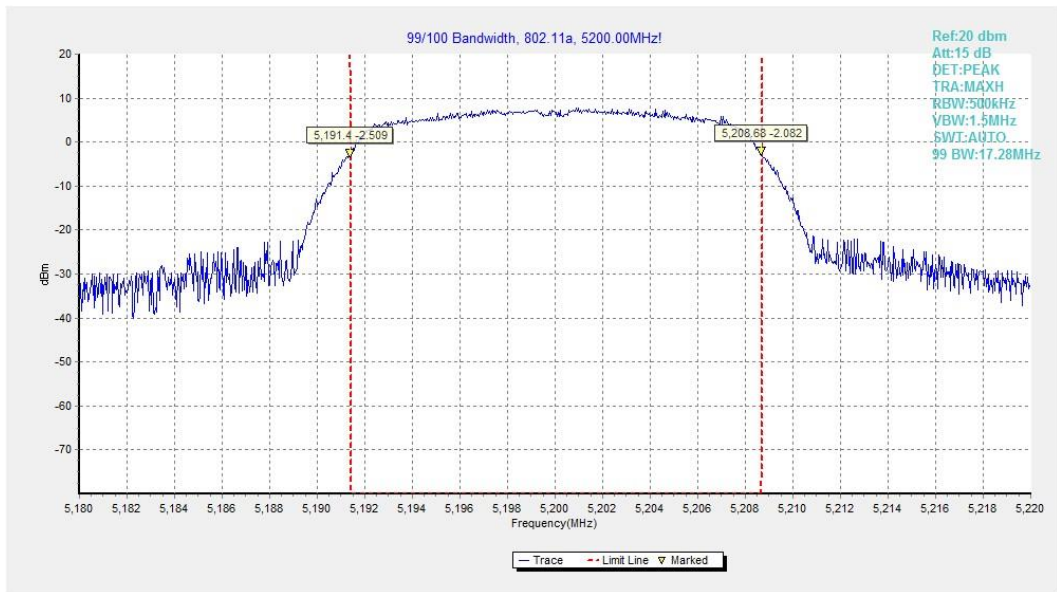


Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)

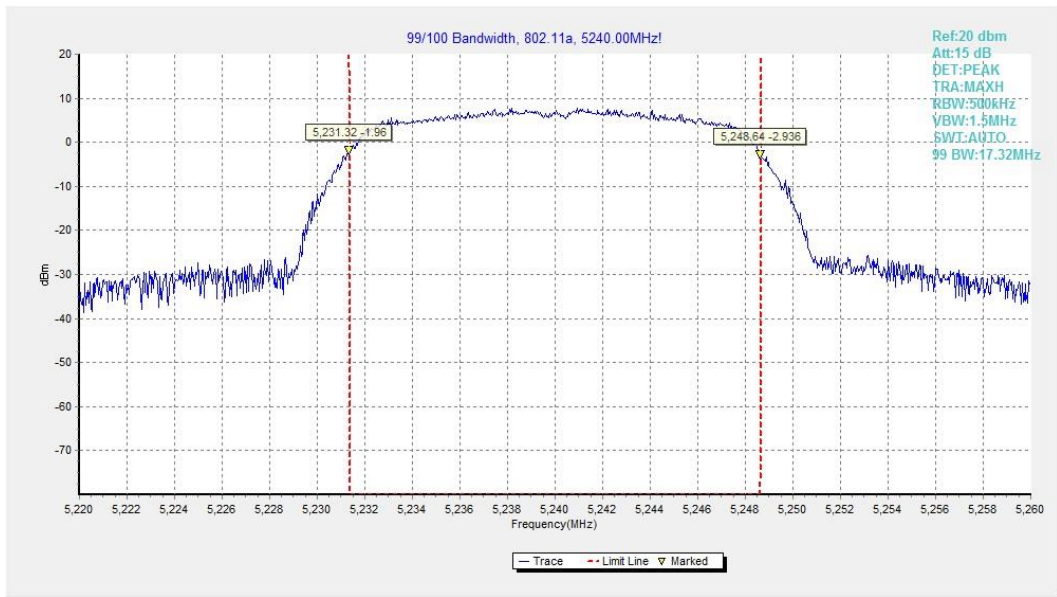


Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)

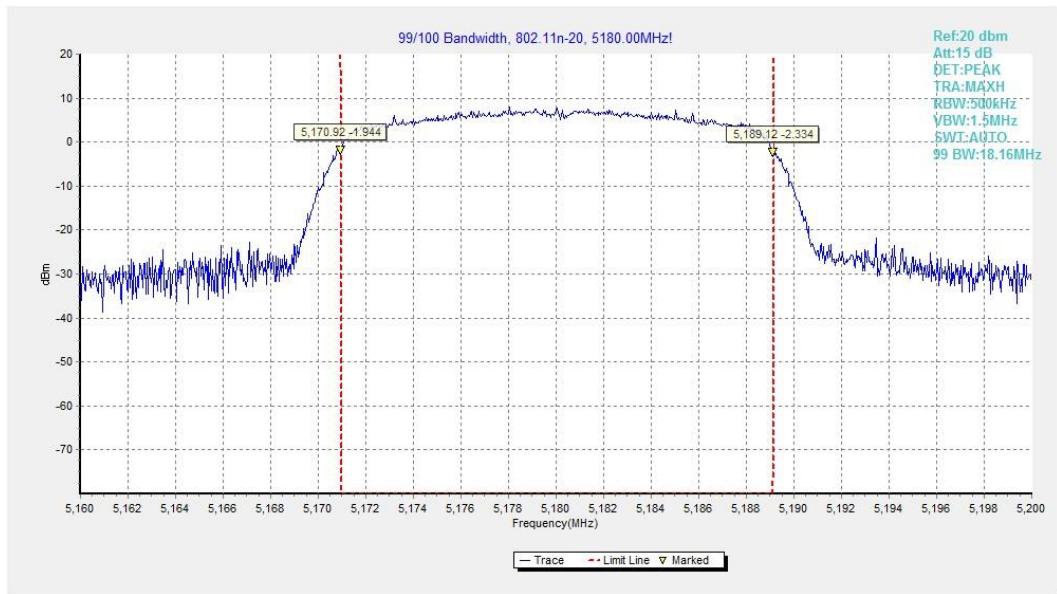


Fig.63 99% Occupied bandwidth (802.11n-HT20, 5180MHz)

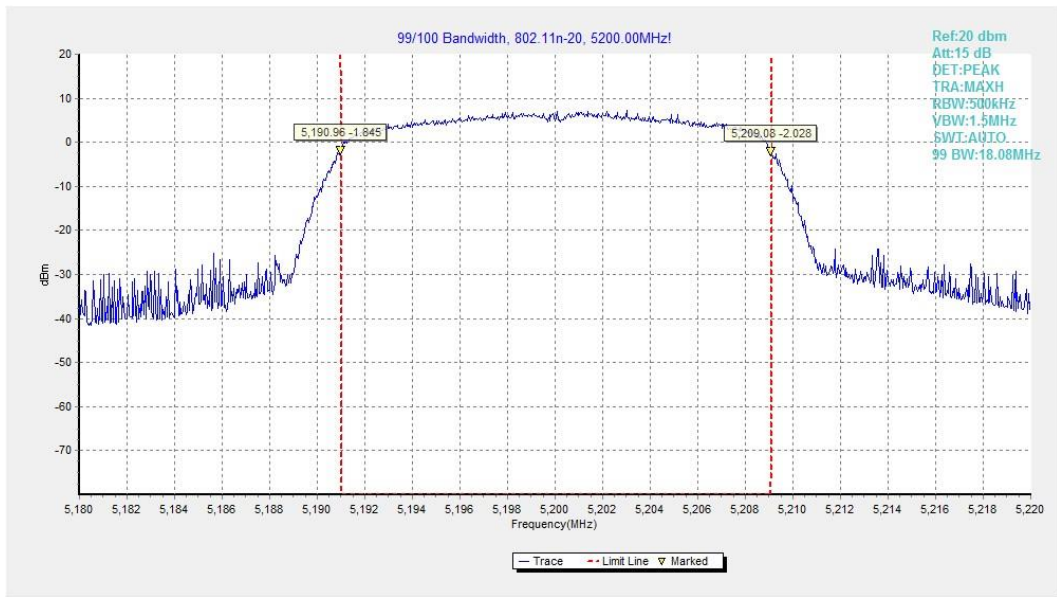


Fig.64 99% Occupied bandwidth (802.11n-HT20, 5200MHz)

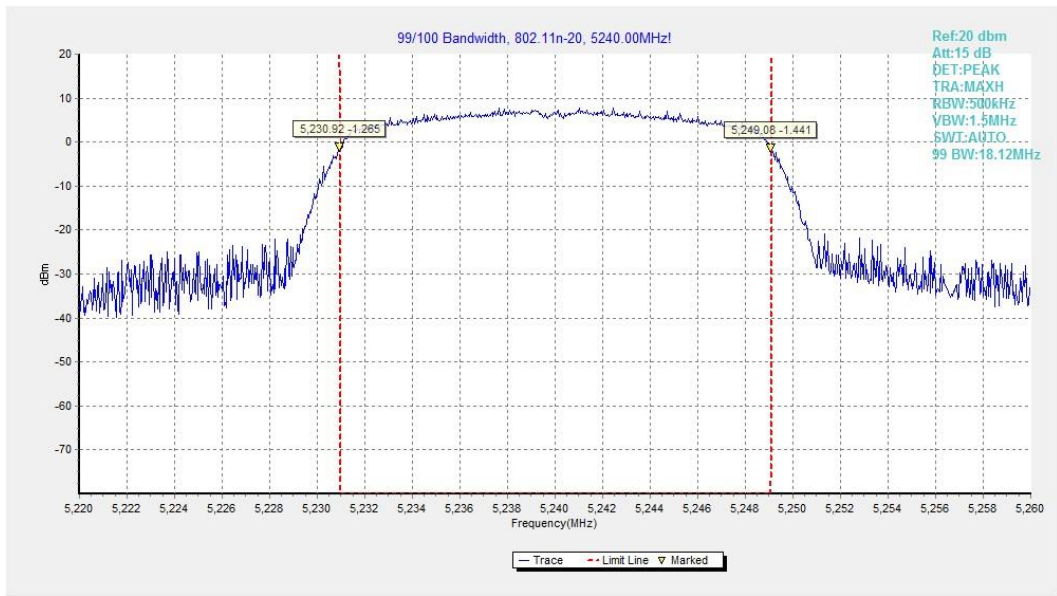


Fig.65 99% Occupied bandwidth (802.11n-HT20, 5240MHz)

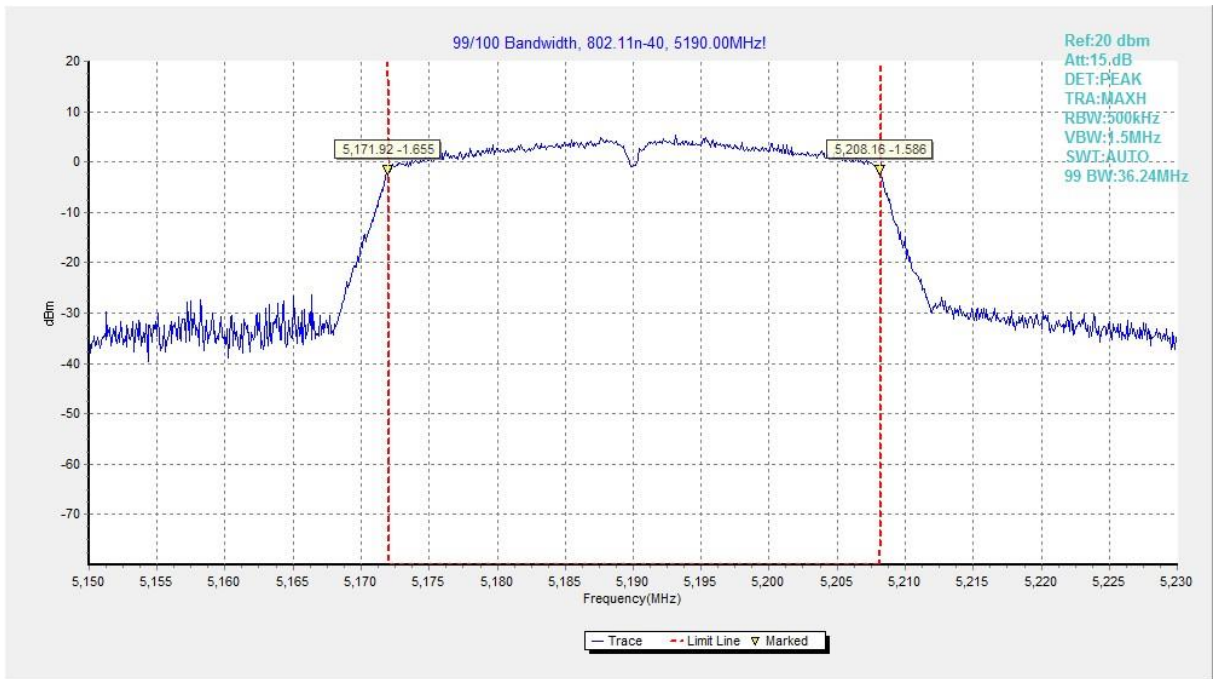


Fig.66 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

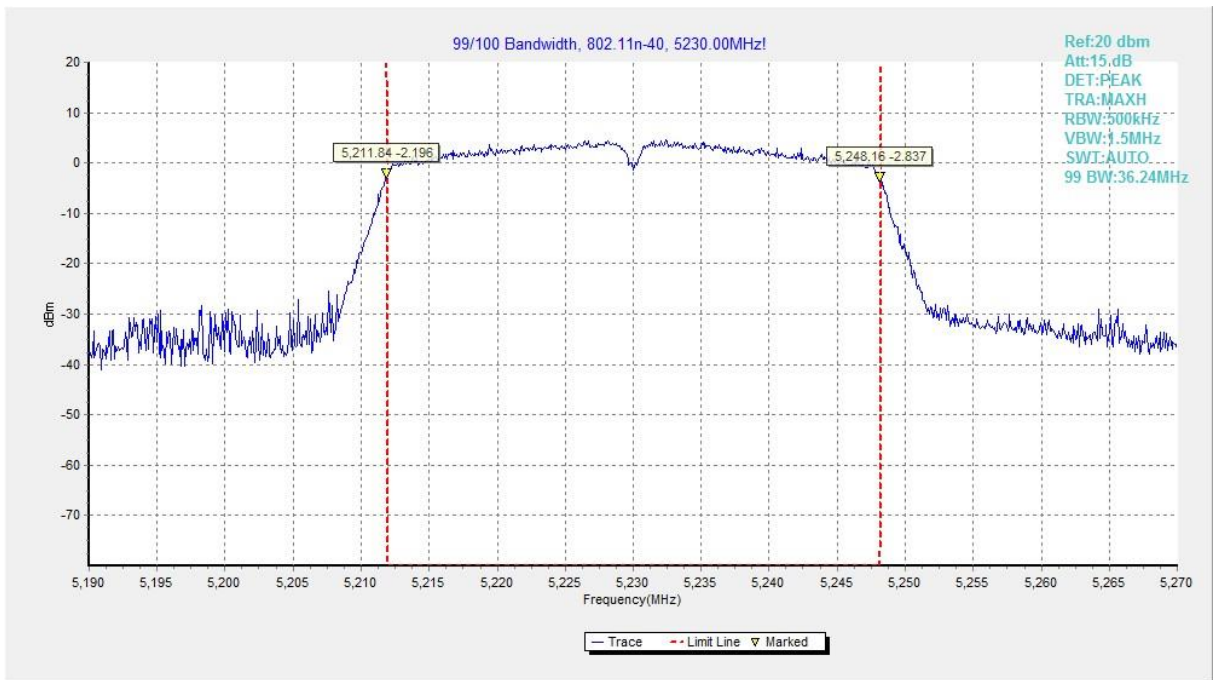


Fig.67 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

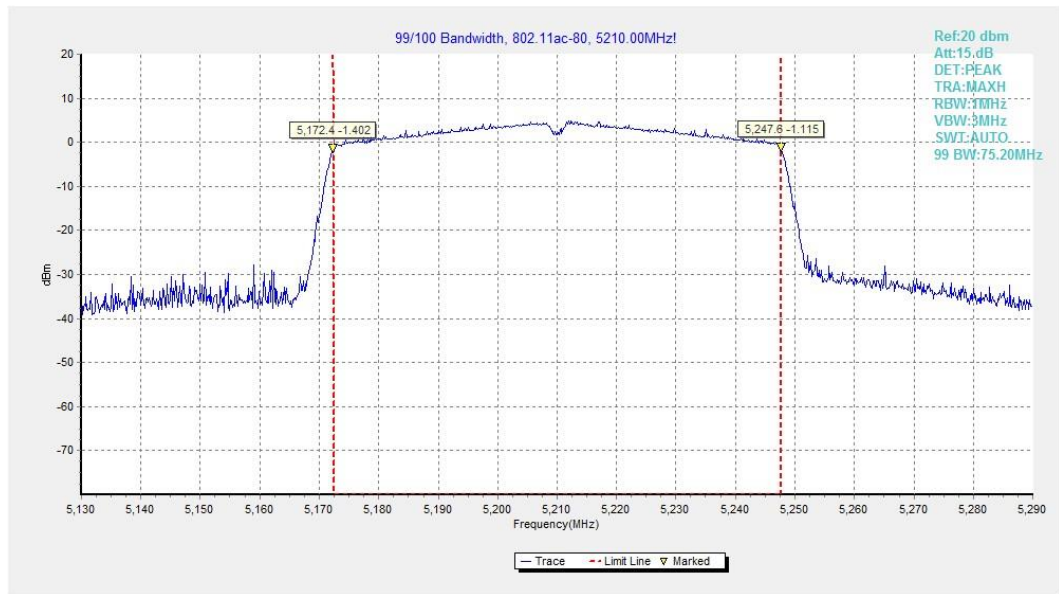


Fig.68 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

A.10. Power control

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

ANNEX B: EUT parameters

Disclaimer: The 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



*** END OF REPORT BODY ***