

Fig.55 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

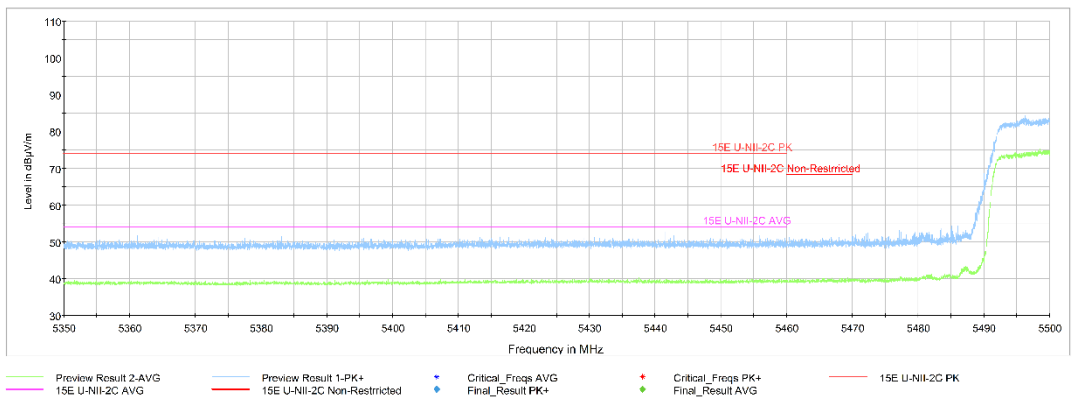


Fig.56 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

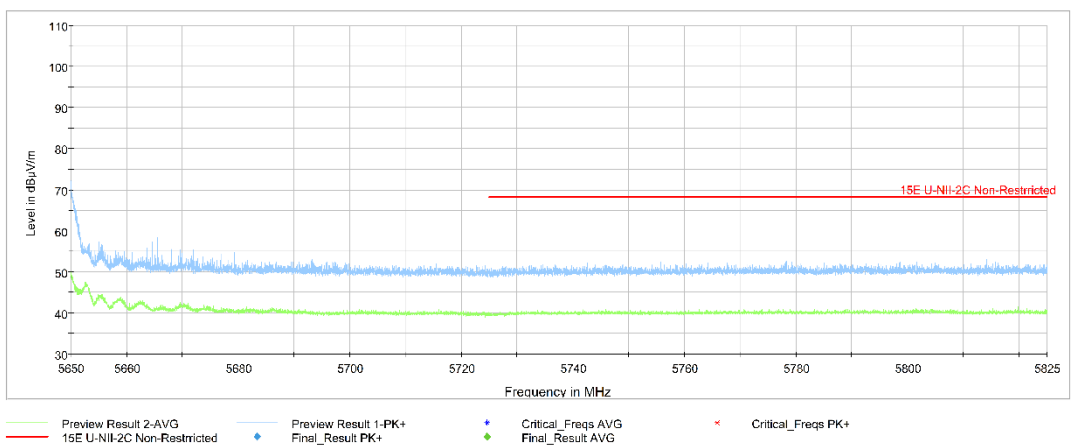


Fig.57 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

A.6. Transmitter Spurious Emission

Measurement Limit:

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

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

Limit in restricted band:

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)	Measurement distance(m)
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

The measurement is made according to ANSI C63.10-2013 and KDB 789033

Measurement Results:

802.11a mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11a	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-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)
17996.150	40.80	-25.50	46.66	19.64	54.00	13.20	H
17955.450	40.77	-25.50	46.66	19.61	54.00	13.23	H
13299.150	38.11	-29.49	39.71	27.89	54.00	15.89	V
13286.500	37.82	-29.67	39.55	27.94	54.00	16.18	H
5021.360	40.01	-27.78	33.50	34.28	54.00	13.99	V
5125.520	39.97	-27.61	33.67	33.91	54.00	14.03	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)
17953.800	40.82	-25.50	46.66	19.66	54.00	13.18	H
17956.550	40.65	-25.50	46.66	19.49	54.00	13.35	H
13304.650	37.49	-29.49	39.71	27.27	54.00	16.51	V
13309.050	37.48	-29.49	39.71	27.26	54.00	16.52	H
11244.350	36.45	-32.36	38.77	30.05	54.00	17.55	H
11384.050	36.29	-32.42	38.79	29.92	54.00	17.71	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)
17938.950	40.58	-25.50	46.66	19.42	54.00	13.42	V
17947.750	40.57	-25.50	46.66	19.41	54.00	13.43	H
13301.350	37.54	-29.49	39.71	27.32	54.00	16.46	V
13299.150	37.49	-29.49	39.71	27.27	54.00	16.51	H
11358.750	36.33	-32.42	38.79	29.96	54.00	17.67	V
11799.850	36.27	-31.85	39.05	29.07	54.00	17.73	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)
17960.400	40.41	-25.50	46.66	19.25	54.00	13.59	H
17971.400	40.32	-25.50	46.66	19.16	54.00	13.68	H
13304.650	37.89	-29.49	39.71	27.67	54.00	16.11	H
13274.400	37.21	-29.67	39.55	27.33	54.00	16.79	V
11780.600	36.16	-31.99	38.98	29.17	54.00	17.84	H
11785.550	36.16	-31.99	38.98	29.17	54.00	17.84	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)
17938.950	40.41	-25.50	46.66	19.25	54.00	13.59	V
17958.750	40.33	-25.50	46.66	19.17	54.00	13.67	V
13304.100	37.48	-29.49	39.71	27.26	54.00	16.52	V
13305.200	37.17	-29.49	39.71	26.95	54.00	16.83	V
11791.050	36.37	-31.99	38.98	29.38	54.00	17.63	V
11902.700	36.35	-31.85	39.05	29.15	54.00	17.65	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)
17951.600	40.46	-25.50	46.66	19.30	54.00	13.54	V
17984.600	40.26	-25.50	46.66	19.10	54.00	13.74	H
13295.300	37.40	-29.49	39.71	27.18	54.00	16.60	V
14493.750	37.38	-28.59	42.46	23.51	54.00	16.62	V
5422.672	40.02	-27.36	34.09	33.30	54.00	13.98	V
5420.032	40.01	-27.36	34.09	33.29	54.00	13.99	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)
17935.650	40.46	-25.50	46.66	19.30	54.00	13.54	V
17957.100	40.26	-25.50	46.66	19.10	54.00	13.74	V
14499.800	37.43	-28.59	42.46	23.56	54.00	16.57	V
13311.250	37.22	-29.49	39.71	27.00	54.00	16.78	H
5413.615	39.98	-27.36	34.09	33.26	54.00	14.02	V
5435.110	39.83	-27.18	34.17	32.84	54.00	14.17	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)
17922.450	40.22	-25.50	46.66	19.06	54.00	13.78	V
17934.000	40.19	-25.50	46.66	19.03	54.00	13.81	H
13300.250	37.21	-29.49	39.71	26.99	54.00	16.79	H
13297.500	37.11	-29.49	39.71	26.89	54.00	16.89	H
11912.050	36.19	-31.85	39.05	28.99	54.00	17.81	V
11789.400	36.14	-31.99	38.98	29.15	54.00	17.86	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)
17975.250	40.39	-25.50	46.66	19.23	54.00	13.61	V
17947.200	40.34	-25.50	46.66	19.18	54.00	13.66	V
13307.950	37.17	-29.49	39.71	26.95	54.00	16.83	V
13322.250	37.02	-29.49	39.71	26.80	54.00	16.98	H
11793.250	36.52	-31.99	38.98	29.53	54.00	17.48	V
11794.900	36.14	-31.99	38.98	29.15	54.00	17.86	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)
17958.200	40.69	-25.50	46.66	19.53	54.00	13.31	H
17941.700	40.39	-25.50	46.66	19.23	54.00	13.61	H
13294.200	37.13	-29.49	39.71	26.91	54.00	16.87	V
13314.000	37.08	-29.49	39.71	26.86	54.00	16.92	V
5048.080	39.88	-27.78	33.50	34.15	54.00	14.12	V
5090.720	39.81	-27.70	33.59	33.92	54.00	14.19	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)
17939.500	40.51	-25.50	46.66	19.35	54.00	13.49	H
17958.200	40.42	-25.50	46.66	19.26	54.00	13.58	V
14498.150	37.16	-28.59	42.46	23.29	54.00	16.84	V
14491.000	37.14	-28.59	42.46	23.27	54.00	16.86	H
11815.250	35.99	-31.85	39.05	28.79	54.00	18.01	V
11353.800	35.95	-32.42	38.79	29.58	54.00	18.05	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)
17963.700	40.18	-25.50	46.66	19.02	54.00	13.82	H
17938.400	40.17	-25.50	46.66	19.01	54.00	13.83	V
13305.200	37.54	-29.49	39.71	27.32	54.00	16.46	H
13297.500	37.40	-29.49	39.71	27.18	54.00	16.60	H
10829.100	36.32	-32.33	38.59	30.06	54.00	17.68	V
11374.150	35.98	-32.42	38.79	29.61	54.00	18.02	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)
17948.300	40.47	-25.50	46.66	19.31	54.00	13.53	H
17953.250	40.47	-25.50	46.66	19.31	54.00	13.53	V
13307.400	37.60	-29.49	39.71	27.38	54.00	16.40	H
13295.300	37.16	-29.49	39.71	26.94	54.00	16.84	H
11781.700	36.36	-31.99	38.98	29.37	54.00	17.64	H
11789.950	36.23	-31.99	38.98	29.24	54.00	17.77	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)
17951.600	40.47	-25.50	46.66	19.31	54.00	13.53	H
17987.900	40.41	-25.50	46.66	19.25	54.00	13.59	V
13294.750	37.34	-29.49	39.71	27.12	54.00	16.66	V
13304.100	37.24	-29.49	39.71	27.02	54.00	16.76	V
11789.400	36.43	-31.99	38.98	29.44	54.00	17.57	V
11783.900	36.05	-31.99	38.98	29.06	54.00	17.95	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)
17932.900	40.38	-25.50	46.66	19.22	54.00	13.62	V
17949.400	40.32	-25.50	46.66	19.16	54.00	13.68	V
14492.650	37.46	-28.59	42.46	23.59	54.00	16.54	H
13298.600	37.12	-29.49	39.71	26.90	54.00	16.88	H
5423.280	40.12	-27.36	34.09	33.40	54.00	13.88	V
5427.232	40.12	-27.36	34.09	33.40	54.00	13.88	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)
17990.100	40.47	-25.50	46.66	19.31	54.00	13.53	V
17967.000	40.40	-25.50	46.66	19.24	54.00	13.60	H
13293.100	37.33	-29.49	39.71	27.11	54.00	16.67	H
13330.500	37.00	-29.49	39.71	26.78	54.00	17.00	H
5436.250	39.99	-27.18	34.17	33.00	54.00	14.01	V
5452.990	39.96	-27.18	34.17	32.97	54.00	14.04	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)
17941.150	39.62	-25.50	46.66	18.46	54.00	14.38	H
17949.950	39.61	-25.50	46.66	18.45	54.00	14.39	V
14486.600	36.47	-28.59	42.46	22.60	54.00	17.53	V
13294.200	36.40	-29.49	39.71	26.18	54.00	17.60	V
11783.350	35.97	-31.99	38.98	28.98	54.00	18.03	H
11796.000	35.58	-31.85	39.05	28.38	54.00	18.42	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)
17948.300	39.70	-25.50	46.66	18.54	54.00	14.30	V
17925.200	39.54	-25.50	46.66	18.38	54.00	14.46	V
14498.700	36.54	-28.59	42.46	22.67	54.00	17.46	V
14494.300	36.49	-28.59	42.46	22.62	54.00	17.51	H
11791.600	35.67	-31.99	38.98	28.68	54.00	18.33	V
11795.450	35.65	-31.85	39.05	28.45	54.00	18.35	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17940.050	40.64	-25.50	46.66	19.48	54.00	13.36	H
17936.750	40.35	-25.50	46.66	19.19	54.00	13.65	V
13298.600	37.45	-29.49	39.71	27.23	54.00	16.55	V
13304.650	37.44	-29.49	39.71	27.22	54.00	16.56	H
5022.960	39.52	-27.78	33.50	33.79	54.00	14.48	V
5021.160	39.48	-27.78	33.50	33.75	54.00	14.52	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)
17946.650	40.50	-25.50	46.66	19.34	54.00	13.50	V
17965.350	40.40	-25.50	46.66	19.24	54.00	13.60	H
13300.800	37.56	-29.49	39.71	27.34	54.00	16.44	H
13304.100	37.08	-29.49	39.71	26.86	54.00	16.92	V
11782.250	36.21	-31.99	38.98	29.22	54.00	17.79	V
11254.250	36.08	-32.36	38.77	29.68	54.00	17.92	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)
17988.450	40.22	-25.50	46.66	19.06	54.00	13.78	H
17929.600	40.11	-25.50	46.66	18.95	54.00	13.89	V
13328.300	37.46	-29.49	39.71	27.24	54.00	16.54	H
14497.050	37.10	-28.59	42.46	23.23	54.00	16.90	V
11786.650	36.33	-31.99	38.98	29.34	54.00	17.67	H
11789.950	36.31	-31.99	38.98	29.32	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)
17940.050	40.52	-25.50	46.66	19.36	54.00	13.48	H
17974.150	40.22	-25.50	46.66	19.06	54.00	13.78	V
14497.050	37.63	-28.59	42.46	23.76	54.00	16.37	V
13315.100	37.21	-29.49	39.71	26.99	54.00	16.79	V
5414.672	39.77	-27.36	34.09	33.05	54.00	14.23	V
5437.776	39.68	-27.18	34.17	32.69	54.00	14.32	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)
17944.450	39.55	-25.50	46.66	18.39	54.00	14.45	H
17930.150	39.51	-25.50	46.66	18.35	54.00	14.49	H
14499.250	36.66	-28.59	42.46	22.79	54.00	17.34	H
13320.050	36.36	-29.49	39.71	26.14	54.00	17.64	V
5429.560	40.09	-27.18	34.17	33.10	54.00	13.91	V
5438.170	40.07	-27.18	34.17	33.08	54.00	13.93	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)
17940.050	39.53	-25.50	46.66	18.37	54.00	14.47	H
17960.950	39.50	-25.50	46.66	18.34	54.00	14.50	H
12676.550	36.26	-30.47	39.06	27.67	54.00	17.74	H
13304.650	36.20	-29.49	39.71	25.98	54.00	17.80	V
11800.950	35.71	-31.85	39.05	28.51	54.00	18.29	H
10750.450	35.46	-32.77	38.49	29.74	54.00	18.54	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)
17998.900	39.87	-25.50	46.66	18.71	54.00	14.13	V
17990.650	39.52	-25.50	46.66	18.36	54.00	14.48	V
13317.850	36.52	-29.49	39.71	26.30	54.00	17.48	V
13326.100	36.43	-29.49	39.71	26.21	54.00	17.57	V
11786.650	35.39	-31.99	38.98	28.40	54.00	18.61	H
11913.150	35.32	-31.48	39.09	27.71	54.00	18.68	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17948.850	40.69	-25.50	46.66	19.53	54.00	13.31	V
17946.100	40.54	-25.50	46.66	19.38	54.00	13.46	H
13306.300	37.36	-29.49	39.71	27.14	54.00	16.64	H
13287.050	37.29	-29.67	39.55	27.41	54.00	16.71	V
5147.380	39.79	-27.61	33.67	33.73	54.00	14.21	V
5144.580	39.55	-27.61	33.67	33.49	54.00	14.45	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)
17954.900	40.67	-25.50	46.66	19.51	54.00	13.33	V
17930.150	40.65	-25.50	46.66	19.49	54.00	13.35	H
13293.100	37.26	-29.49	39.71	27.04	54.00	16.74	V
13295.850	37.22	-29.49	39.71	27.00	54.00	16.78	H
11788.850	36.22	-31.99	38.98	29.23	54.00	17.78	V
11395.050	36.17	-32.42	38.79	29.80	54.00	17.83	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)
17952.700	40.56	-25.50	46.66	19.40	54.00	13.44	H
17973.050	40.34	-25.50	46.66	19.18	54.00	13.66	V
13293.650	37.22	-29.49	39.71	27.00	54.00	16.78	V
13298.050	37.19	-29.49	39.71	26.97	54.00	16.81	H
11795.450	36.03	-31.85	39.05	28.83	54.00	17.97	V
11774.550	35.99	-31.99	38.98	29.00	54.00	18.01	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)
17950.500	40.67	-25.50	46.66	19.51	54.00	13.33	V
17940.600	40.44	-25.50	46.66	19.28	54.00	13.56	H
13303.550	37.25	-29.49	39.71	27.03	54.00	16.75	V
13305.750	37.25	-29.49	39.71	27.03	54.00	16.75	V
11777.300	36.30	-31.99	38.98	29.31	54.00	17.70	V
11789.400	36.11	-31.99	38.98	29.12	54.00	17.89	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)
17919.700	40.53	-25.50	46.66	19.37	54.00	13.47	V
17937.300	40.45	-25.50	46.66	19.29	54.00	13.55	H
13289.800	37.10	-29.67	39.55	27.22	54.00	16.90	V
13306.850	37.09	-29.49	39.71	26.87	54.00	16.91	H
11776.750	36.13	-31.99	38.98	29.14	54.00	17.87	V
11789.950	36.09	-31.99	38.98	29.10	54.00	17.91	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17943.900	40.55	-25.50	46.66	19.39	54.00	13.45	V
17936.200	40.40	-25.50	46.66	19.24	54.00	13.60	H
13290.350	37.36	-29.67	39.55	27.48	54.00	16.64	V
13287.050	37.24	-29.67	39.55	27.36	54.00	16.76	V
5425.680	40.34	-27.36	34.09	33.62	54.00	13.66	V
5428.912	40.09	-27.18	34.17	33.10	54.00	13.91	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)
17948.850	40.80	-25.50	46.66	19.64	54.00	13.20	V
17971.950	40.77	-25.50	46.66	19.61	54.00	13.23	V
13294.750	38.01	-29.49	39.71	27.79	54.00	15.99	H
13305.750	37.81	-29.49	39.71	27.59	54.00	16.19	H
5459.620	40.20	-27.18	34.17	33.21	54.00	13.80	V
5456.200	40.15	-27.18	34.17	33.16	54.00	13.85	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)
17942.800	40.45	-25.50	46.66	19.29	54.00	13.55	V
17943.350	40.44	-25.50	46.66	19.28	54.00	13.56	V
13294.200	37.46	-29.49	39.71	27.24	54.00	16.54	H
13298.050	37.43	-29.49	39.71	27.21	54.00	16.57	H
11799.850	36.15	-31.85	39.05	28.95	54.00	17.85	V
11805.350	36.14	-31.85	39.05	28.94	54.00	17.86	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)
17927.950	40.37	-25.50	46.66	19.21	54.00	13.63	H
17945.000	40.35	-25.50	46.66	19.19	54.00	13.65	V
13307.950	37.30	-29.49	39.71	27.08	54.00	16.70	V
13308.500	37.13	-29.49	39.71	26.91	54.00	16.87	H
10825.250	36.14	-32.33	38.59	29.88	54.00	17.86	V
11775.100	36.03	-31.99	38.98	29.04	54.00	17.97	H

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17935.100	40.37	-25.50	46.66	19.21	54.00	13.63	V
17940.050	40.33	-25.50	46.66	19.17	54.00	13.67	V
14494.850	37.40	-28.59	42.46	23.53	54.00	16.60	V
13304.650	37.02	-29.49	39.71	26.80	54.00	16.98	V
5015.640	39.48	-27.78	33.50	33.75	54.00	14.52	V
5003.560	39.40	-28.10	33.42	34.08	54.00	14.60	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)
17959.850	40.28	-25.50	46.66	19.12	54.00	13.72	V
17937.850	40.24	-25.50	46.66	19.08	54.00	13.76	V
13301.900	37.00	-29.49	39.71	26.78	54.00	17.00	H
13300.800	36.96	-29.49	39.71	26.74	54.00	17.04	V
11782.250	36.16	-31.99	38.98	29.17	54.00	17.84	V
11778.400	36.04	-31.99	38.98	29.05	54.00	17.96	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)
17929.600	40.56	-25.50	46.66	19.40	54.00	13.44	V
17992.300	40.46	-25.50	46.66	19.30	54.00	13.54	V
13315.100	37.28	-29.49	39.71	27.06	54.00	16.72	V
13286.500	37.10	-29.67	39.55	27.22	54.00	16.90	V
11899.950	36.21	-31.85	39.05	29.01	54.00	17.79	H
11795.450	36.09	-31.85	39.05	28.89	54.00	17.91	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)
17949.400	40.59	-25.50	46.66	19.43	54.00	13.41	V
17990.650	40.41	-25.50	46.66	19.25	54.00	13.59	H
13322.800	37.12	-29.49	39.71	26.90	54.00	16.88	H
13329.400	37.00	-29.49	39.71	26.78	54.00	17.00	V
5432.032	39.73	-27.18	34.17	32.74	54.00	14.27	V
5439.344	39.66	-27.18	34.17	32.67	54.00	14.34	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)
17988.450	39.53	-25.50	46.66	18.37	54.00	14.47	H
17941.150	39.51	-25.50	46.66	18.35	54.00	14.49	H
13325.550	36.40	-29.49	39.71	26.18	54.00	17.60	V
14496.500	36.31	-28.59	42.46	22.44	54.00	17.69	V
5431.270	40.10	-27.18	34.17	33.11	54.00	13.90	V
5432.140	40.04	-27.18	34.17	33.05	54.00	13.96	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)
17964.250	39.68	-25.50	46.66	18.52	54.00	14.32	H
17954.350	39.55	-25.50	46.66	18.39	54.00	14.45	V
13295.300	36.21	-29.49	39.71	25.99	54.00	17.79	V
14497.050	36.09	-28.59	42.46	22.22	54.00	17.91	V
11798.200	35.45	-31.85	39.05	28.25	54.00	18.55	V
11800.950	35.44	-31.85	39.05	28.24	54.00	18.56	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)
17987.350	40.34	-25.50	46.66	19.18	54.00	13.66	H
17926.300	40.07	-25.50	46.66	18.91	54.00	13.93	H
13326.650	37.18	-29.49	39.71	26.96	54.00	16.82	H
13310.700	36.86	-29.49	39.71	26.64	54.00	17.14	H
11252.050	35.89	-32.36	38.77	29.49	54.00	18.11	V
11859.250	35.66	-31.85	39.05	28.46	54.00	18.34	H

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Channel 42

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.300	40.39	-25.50	46.66	19.23	54.00	13.61	H
17948.300	40.25	-25.50	46.66	19.09	54.00	13.75	V
13307.950	37.28	-29.49	39.71	27.06	54.00	16.72	V
13305.750	37.25	-29.49	39.71	27.03	54.00	16.75	H
5012.420	39.33	-28.10	33.42	34.01	54.00	14.67	H
5020.500	39.10	-27.78	33.50	33.37	54.00	14.90	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)
17942.250	40.29	-25.50	46.66	19.13	54.00	13.71	H
17959.300	40.25	-25.50	46.66	19.09	54.00	13.75	H
13302.450	37.93	-29.49	39.71	27.71	54.00	16.07	H
13282.650	37.12	-29.67	39.55	27.24	54.00	16.88	V
5428.135	39.88	-27.18	34.17	32.89	54.00	14.12	V
5436.970	39.88	-27.18	34.17	32.89	54.00	14.12	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)
17965.900	40.21	-25.50	46.66	19.05	54.00	13.79	H
17971.950	40.09	-25.50	46.66	18.93	54.00	13.91	V
13329.950	36.75	-29.49	39.71	26.53	54.00	17.25	H
14488.250	36.55	-28.59	42.46	22.68	54.00	17.45	V
5437.525	40.21	-27.18	34.17	33.22	54.00	13.79	V
5430.085	39.97	-27.18	34.17	32.98	54.00	14.03	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)
17908.700	40.09	-25.50	46.66	18.93	54.00	13.91	H
17993.950	39.85	-25.50	46.66	18.69	54.00	14.15	V
13288.700	36.48	-29.67	39.55	26.60	54.00	17.52	V
13292.550	36.38	-29.49	39.71	26.16	54.00	17.62	H
11770.700	35.50	-31.99	38.98	28.51	54.00	18.50	H
11804.800	35.48	-31.85	39.05	28.28	54.00	18.52	H

PEAK Results:
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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17924.100	52.45	-25.50	46.66	31.29	74.00	21.55	H
17234.950	52.20	-25.95	44.35	33.79	68.20	16.00	V
13681.400	49.44	-29.50	40.43	38.51	68.20	18.76	H
13596.700	49.23	-29.50	40.43	38.30	68.20	18.97	H
5148.600	53.00	-27.61	33.67	46.94	74.00	21.00	V
5144.140	52.42	-27.61	33.67	46.36	74.00	21.58	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)
17060.050	51.57	-26.60	43.36	34.81	68.20	16.63	V
17352.100	51.33	-25.95	44.35	32.92	68.20	16.87	V
13307.400	49.20	-29.49	39.71	38.98	74.00	24.80	V
13745.750	48.94	-29.10	40.86	37.17	68.20	19.26	V
11136.000	47.33	-32.60	38.75	41.19	74.00	26.67	V
11395.600	47.11	-32.42	38.79	40.74	74.00	26.89	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)
17562.200	51.81	-25.74	45.95	31.60	68.20	16.39	H
17357.050	51.36	-25.95	44.35	32.95	68.20	16.84	H
13752.350	49.40	-29.10	40.86	37.63	68.20	18.80	V
13699.550	49.33	-29.10	40.86	37.56	68.20	18.87	H
11408.250	47.81	-32.42	38.79	41.44	74.00	26.19	V
11272.400	47.09	-32.36	38.77	40.69	74.00	26.91	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)
17594.650	51.49	-25.74	45.95	31.28	68.20	16.71	H
17357.600	51.29	-25.95	44.35	32.88	68.20	16.91	H
13780.400	49.11	-29.10	40.86	37.34	68.20	19.09	H
14038.900	48.84	-29.44	41.66	36.62	68.20	19.36	V
11133.800	46.67	-32.60	38.75	40.53	74.00	27.33	H
11774.000	46.67	-31.99	38.98	39.68	74.00	27.33	V

Channel 56

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17627.650	51.57	-25.74	45.95	31.36	68.20	16.63	H
17904.300	51.25	-25.50	46.66	30.09	74.00	22.75	V
13637.400	49.84	-29.50	40.43	38.91	68.20	18.36	V
14117.000	49.36	-28.99	42.00	36.34	68.20	18.84	V
11862.550	47.10	-31.85	39.05	39.90	74.00	26.90	V
11762.450	46.86	-31.99	38.98	39.87	74.00	27.14	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)
17236.050	51.30	-25.95	44.35	32.89	68.20	16.90	V
17828.400	51.26	-25.50	46.66	30.10	74.00	22.74	V
14602.100	49.58	-27.29	41.90	34.97	68.20	18.62	H
14183.000	48.91	-28.99	42.00	35.89	68.20	19.29	V
5414.752	52.44	-27.36	34.09	45.72	74.00	21.56	V
5350.112	52.06	-27.43	34.01	45.48	74.00	21.94	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)
17218.450	50.72	-25.95	44.35	32.31	68.20	17.48	V
17384.000	50.71	-25.95	44.35	32.30	68.20	17.49	H
14181.900	49.25	-28.99	42.00	36.23	68.20	18.95	H
13739.150	48.90	-29.10	40.86	37.13	68.20	19.30	H
5439.685	51.70	-27.18	34.17	44.71	74.00	22.30	V
5469.310	55.55	-27.18	34.17	48.56	68.20	12.65	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)
17615.000	51.17	-25.74	45.95	30.96	68.20	17.03	H
17435.150	50.99	-26.85	45.25	32.59	68.20	17.21	H
13736.950	50.00	-29.10	40.86	38.23	68.20	18.20	H
14621.350	49.08	-27.29	41.90	34.47	68.20	19.12	V
11789.400	46.61	-31.99	38.98	39.62	74.00	27.39	H
10398.450	46.60	-33.22	38.19	41.63	68.20	21.60	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)
17536.900	50.97	-26.85	45.25	32.57	68.20	17.23	V
17918.600	50.77	-25.50	46.66	29.61	74.00	23.23	V
14086.200	49.51	-29.44	41.66	37.29	68.20	18.69	V
13652.800	49.41	-29.50	40.43	38.48	68.20	18.79	V
5727.980	65.27	-27.07	34.31	58.03	68.20	2.93	H
5725.005	65.20	-27.07	34.31	57.96	68.20	3.00	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17970.300	51.35	-25.50	46.66	30.19	74.00	22.65	H
17456.050	51.13	-26.85	45.25	32.73	68.20	17.07	H
13276.600	48.65	-29.67	39.55	38.77	74.00	25.35	H
13700.100	48.48	-29.10	40.86	36.71	68.20	19.72	V
5148.720	56.35	-27.61	33.67	50.29	74.00	17.65	V
5149.820	56.10	-27.61	33.67	50.04	74.00	17.90	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)
17327.350	51.12	-25.95	44.35	32.71	68.20	17.08	V
17599.050	51.07	-25.74	45.95	30.86	68.20	17.13	V
14090.600	48.85	-29.44	41.66	36.63	68.20	19.35	V
13708.350	48.73	-29.10	40.86	36.96	68.20	19.47	V
11345.550	46.78	-32.42	38.79	40.41	74.00	27.22	H
11870.800	46.75	-31.85	39.05	39.55	74.00	27.25	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)
17451.650	51.49	-26.85	45.25	33.09	68.20	16.71	V
17951.050	50.91	-25.50	46.66	29.75	74.00	23.09	V
13763.350	49.77	-29.10	40.86	38.00	68.20	18.43	H
14065.300	48.82	-29.44	41.66	36.60	68.20	19.38	V
11893.350	46.93	-31.85	39.05	39.73	74.00	27.07	V
11355.450	46.76	-32.42	38.79	40.39	74.00	27.24	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)
17364.200	51.15	-25.95	44.35	32.74	68.20	17.05	H
17899.900	50.92	-25.50	46.66	29.76	74.00	23.08	H
14593.850	49.29	-27.29	41.90	34.68	68.20	18.91	V
14594.950	49.07	-27.29	41.90	34.46	68.20	19.13	V
11371.400	47.24	-32.42	38.79	40.87	74.00	26.76	V
11896.100	47.17	-31.85	39.05	39.97	74.00	26.83	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)
17153.000	51.22	-26.60	43.36	34.46	68.20	16.98	H
17353.750	51.14	-25.95	44.35	32.73	68.20	17.06	V
14519.050	48.94	-28.59	42.46	35.07	68.20	19.26	H
14715.400	48.81	-28.32	41.35	35.79	68.20	19.39	V
10494.700	46.84	-32.99	38.27	41.55	68.20	21.36	V
11737.150	46.76	-31.99	38.98	39.77	74.00	27.24	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)
17233.850	51.19	-25.95	44.35	32.78	68.20	17.01	H
17008.900	51.04	-26.32	42.36	34.99	68.20	17.16	V
13691.300	49.70	-29.50	40.43	38.77	68.20	18.50	H
13632.450	48.95	-29.50	40.43	38.02	68.20	19.25	H
5350.592	53.79	-27.43	34.01	47.21	74.00	20.21	V
5350.176	53.30	-27.43	34.01	46.72	74.00	20.70	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)
17379.600	50.96	-25.95	44.35	32.55	68.20	17.24	V
17349.350	50.93	-25.95	44.35	32.52	68.20	17.27	V
13552.150	48.78	-29.56	39.99	38.35	68.20	19.42	H
13706.700	48.72	-29.10	40.86	36.95	68.20	19.48	V
5456.950	53.56	-27.18	34.17	46.57	74.00	20.44	V
5469.925	56.14	-27.18	34.17	49.15	68.20	12.06	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)
17953.800	50.44	-25.50	46.66	29.28	74.00	23.56	V
17396.100	50.23	-26.85	45.25	31.83	68.20	17.97	H
14098.300	48.67	-29.44	41.66	36.45	68.20	19.53	V
14089.500	48.40	-29.44	41.66	36.18	68.20	19.80	V
11684.350	46.70	-31.99	38.98	39.71	74.00	27.30	H
7107.800	46.39	-35.44	36.35	45.49	68.20	21.81	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)
17916.400	50.96	-25.50	46.66	29.80	74.00	23.04	V
17321.300	50.65	-25.95	44.35	32.24	68.20	17.55	V
13755.650	48.21	-29.10	40.86	36.44	68.20	19.99	V
14163.200	48.15	-28.99	42.00	35.13	68.20	20.05	V
5726.002	58.94	-27.07	34.31	51.70	68.20	9.26	V
5725.512	58.85	-27.07	34.31	51.61	68.20	9.35	V

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Channel 38

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17919.700	50.98	-25.50	46.66	29.82	74.00	23.02	H
17929.050	50.79	-25.50	46.66	29.63	74.00	23.21	V
13700.100	49.70	-29.10	40.86	37.93	68.20	18.50	V
13706.150	49.20	-29.10	40.86	37.43	68.20	19.00	V
5149.800	52.47	-27.61	33.67	46.41	74.00	21.53	V
5148.520	51.86	-27.61	33.67	45.80	74.00	22.14	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)
17987.900	51.17	-25.50	46.66	30.01	74.00	22.83	H
17363.100	51.09	-25.95	44.35	32.68	68.20	17.11	V
13759.500	49.44	-29.10	40.86	37.67	68.20	18.76	H
13699.000	49.18	-29.10	40.86	37.41	68.20	19.02	V
11799.850	46.79	-31.85	39.05	39.59	74.00	27.21	H
11243.800	46.59	-32.36	38.77	40.19	74.00	27.41	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)
17920.800	50.90	-25.50	46.66	29.74	74.00	23.10	H
17412.050	50.79	-26.85	45.25	32.39	68.20	17.41	V
14093.350	49.26	-29.44	41.66	37.04	68.20	18.94	H
14576.250	49.12	-27.29	41.90	34.51	68.20	19.08	V
11527.600	46.74	-32.26	38.84	40.17	74.00	27.26	V
11230.600	46.63	-32.36	38.77	40.23	74.00	27.37	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)
17347.150	51.14	-25.95	44.35	32.73	68.20	17.06	H
17541.300	51.08	-26.85	45.25	32.68	68.20	17.12	V
14136.800	49.14	-28.99	42.00	36.12	68.20	19.06	H
13719.350	48.99	-29.10	40.86	37.22	68.20	19.21	H
5367.424	51.50	-27.43	34.01	44.92	74.00	22.50	V
5453.744	51.47	-27.18	34.17	44.48	74.00	22.53	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)
17142.000	49.93	-26.60	43.36	33.17	68.20	18.27	V
17337.800	49.90	-25.95	44.35	31.49	68.20	18.30	V
13739.700	48.74	-29.10	40.86	36.97	68.20	19.46	H
13778.750	48.37	-29.10	40.86	36.60	68.20	19.83	V
5422.675	51.54	-27.36	34.09	44.82	74.00	22.46	V
5469.910	55.43	-27.18	34.17	48.44	68.20	12.77	H

Channel 118

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16454.500	50.97	-26.96	39.82	38.11	68.20	17.23	V
17915.300	50.89	-25.50	46.66	29.73	74.00	23.11	V
13715.500	48.64	-29.10	40.86	36.87	68.20	19.56	H
14594.950	48.19	-27.29	41.90	33.58	68.20	20.01	H
11791.050	46.76	-31.99	38.98	39.77	74.00	27.24	V
11599.100	46.39	-32.31	38.91	39.80	74.00	27.61	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)
16831.250	50.24	-26.62	41.49	35.37	68.20	17.96	H
17942.250	50.20	-25.50	46.66	29.04	74.00	23.80	H
14559.750	49.14	-27.29	41.90	34.53	68.20	19.06	H
13649.500	48.29	-29.50	40.43	37.36	68.20	19.91	H
5730.920	54.81	-27.07	34.31	47.57	68.20	13.39	V
5737.710	54.32	-27.07	34.31	47.08	68.20	13.88	V

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
16907.700	51.33	-26.32	42.36	35.28	68.20	16.87	H
17204.150	51.14	-26.60	43.36	34.38	68.20	17.06	V
13629.700	49.64	-29.50	40.43	38.71	68.20	18.56	V
13742.450	49.06	-29.10	40.86	37.29	68.20	19.14	V
5046.200	53.10	-27.78	33.50	47.37	74.00	20.90	V
5148.640	52.77	-27.61	33.67	46.71	74.00	21.23	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)
17953.250	52.26	-25.50	46.66	31.10	74.00	21.74	H
17957.650	51.46	-25.50	46.66	30.30	74.00	22.54	V
14131.300	49.41	-28.99	42.00	36.39	68.20	18.79	H
14084.550	48.90	-29.44	41.66	36.68	68.20	19.30	H
11400.550	47.87	-32.42	38.79	41.50	74.00	26.13	V
11803.700	46.87	-31.85	39.05	39.67	74.00	27.13	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)
17907.600	51.38	-25.50	46.66	30.22	74.00	22.62	H
17854.250	50.94	-25.50	46.66	29.78	74.00	23.06	H
14103.250	49.72	-29.44	41.66	37.50	68.20	18.48	V
13645.100	49.16	-29.50	40.43	38.23	68.20	19.04	V
11403.300	46.84	-32.42	38.79	40.47	74.00	27.16	V
10525.500	46.49	-32.99	38.27	41.20	68.20	21.71	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)
17435.700	51.45	-26.85	45.25	33.05	68.20	16.75	V
17921.900	51.06	-25.50	46.66	29.90	74.00	22.94	V
14598.800	49.38	-27.29	41.90	34.77	68.20	18.82	H
14719.800	49.14	-28.32	41.35	36.12	68.20	19.06	V
11376.350	46.63	-32.42	38.79	40.26	74.00	27.37	V
10747.700	46.48	-32.77	38.49	40.76	74.00	27.52	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)
17472.550	51.33	-26.85	45.25	32.93	68.20	16.87	H
17425.800	51.28	-26.85	45.25	32.88	68.20	16.92	V
14522.350	49.42	-28.59	42.46	35.55	68.20	18.78	H
14201.700	49.19	-28.99	42.00	36.17	68.20	19.01	V
10907.200	46.80	-32.82	38.70	40.92	74.00	27.20	H
11785.550	46.80	-31.99	38.98	39.81	74.00	27.20	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)
17353.200	51.61	-25.95	44.35	33.20	68.20	16.59	V
17994.500	51.04	-25.50	46.66	29.88	74.00	22.96	H
14080.150	49.09	-29.44	41.66	36.87	68.20	19.11	V
13745.750	48.94	-29.10	40.86	37.17	68.20	19.26	H
5447.712	52.14	-27.18	34.17	45.15	74.00	21.86	H
5351.040	52.05	-27.43	34.01	45.47	74.00	21.95	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)
17370.800	52.30	-25.95	44.35	33.89	68.20	15.90	V
17333.950	52.16	-25.95	44.35	33.75	68.20	16.04	H
13652.250	49.71	-29.50	40.43	38.78	68.20	18.49	H
14142.850	49.71	-28.99	42.00	36.69	68.20	18.49	H
5421.745	52.35	-27.36	34.09	45.63	74.00	21.65	H
5468.890	56.38	-27.18	34.17	49.39	68.20	11.82	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)
17459.900	51.60	-26.85	45.25	33.20	68.20	16.60	V
17986.250	51.44	-25.50	46.66	30.28	74.00	22.56	V
14110.400	49.18	-28.99	42.00	36.16	68.20	19.02	V
14106.000	49.10	-29.44	41.66	36.88	68.20	19.10	V
11579.300	46.79	-32.31	38.91	40.20	74.00	27.21	V
11796.550	46.63	-31.85	39.05	39.43	74.00	27.37	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)
17853.700	51.25	-25.50	46.66	30.09	74.00	22.75	V
17137.050	51.16	-26.60	43.36	34.40	68.20	17.04	H
13798.000	49.74	-29.10	40.86	37.97	68.20	18.46	V
13779.850	49.06	-29.10	40.86	37.29	68.20	19.14	H
5726.528	67.37	-27.07	34.31	60.13	68.20	0.83	V
5725.075	65.93	-27.07	34.31	58.69	68.20	2.27	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)
17436.800	51.86	-26.85	45.25	33.46	68.20	16.34	V
17627.100	51.55	-25.74	45.95	31.34	68.20	16.65	V
13291.450	49.45	-29.49	39.71	39.23	74.00	24.55	V
13642.900	49.39	-29.50	40.43	38.46	68.20	18.81	V
5065.820	51.62	-27.70	33.59	45.73	74.00	22.38	V
5039.080	51.01	-27.78	33.50	45.28	74.00	22.99	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)
17965.350	51.14	-25.50	46.66	29.98	74.00	22.86	H
17549.550	50.88	-26.85	45.25	32.48	68.20	17.32	V
14068.050	48.89	-29.44	41.66	36.67	68.20	19.31	H
14076.300	48.64	-29.44	41.66	36.42	68.20	19.56	V
11283.950	47.60	-32.36	38.77	41.20	74.00	26.40	V
10622.300	46.85	-32.76	38.38	41.23	74.00	27.15	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)
17540.750	51.99	-26.85	45.25	33.59	68.20	16.21	V
17973.050	51.02	-25.50	46.66	29.86	74.00	22.98	V
13754.000	50.23	-29.10	40.86	38.46	68.20	17.97	V
14113.700	49.19	-28.99	42.00	36.17	68.20	19.01	V
11697.000	46.70	-31.99	38.98	39.71	74.00	27.30	V
11782.250	46.49	-31.99	38.98	39.50	74.00	27.51	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)
17455.500	51.86	-26.85	45.25	33.46	68.20	16.34	H
17325.150	51.30	-25.95	44.35	32.89	68.20	16.90	H
13697.900	49.70	-29.10	40.86	37.93	68.20	18.50	V
13803.500	49.17	-29.10	40.86	37.40	68.20	19.03	V
5414.208	51.24	-27.36	34.09	44.52	74.00	22.76	V
5415.264	51.23	-27.36	34.09	44.51	74.00	22.77	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)
17418.650	50.65	-26.85	45.25	32.25	68.20	17.55	V
17655.700	50.27	-25.74	45.95	30.06	68.20	17.93	V
13712.200	48.87	-29.10	40.86	37.10	68.20	19.33	H
14093.900	48.58	-29.44	41.66	36.36	68.20	19.62	H
5441.815	51.30	-27.18	34.17	44.31	74.00	22.70	V
5469.700	51.27	-27.18	34.17	44.28	68.20	16.93	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)
17385.100	50.51	-25.95	44.35	32.10	68.20	17.69	H
17959.300	50.51	-25.50	46.66	29.35	74.00	23.49	V
14165.950	48.92	-28.99	42.00	35.90	68.20	19.28	V
14086.750	48.48	-29.44	41.66	36.26	68.20	19.72	V
11788.300	46.75	-31.99	38.98	39.76	74.00	27.25	V
11254.800	46.43	-32.36	38.77	40.03	74.00	27.57	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)
17972.500	50.66	-25.50	46.66	29.50	74.00	23.34	V
17230.000	50.58	-25.95	44.35	32.17	68.20	17.62	H
13746.300	48.79	-29.10	40.86	37.02	68.20	19.41	V
13697.350	48.70	-29.10	40.86	36.93	68.20	19.50	V
5746.512	52.59	-27.07	34.31	45.35	68.20	15.61	H
5820.852	52.46	-27.07	34.35	45.17	68.20	15.74	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)
17947.200	51.25	-25.50	46.66	30.09	74.00	22.75	H
17987.350	50.85	-25.50	46.66	29.69	74.00	23.15	H
13730.900	49.48	-29.10	40.86	37.71	68.20	18.72	H
13651.700	49.19	-29.50	40.43	38.26	68.20	19.01	V
5024.700	51.00	-27.78	33.50	45.27	74.00	23.00	V
5068.580	50.83	-27.70	33.59	44.94	74.00	23.17	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)
17459.900	51.22	-26.85	45.25	32.82	68.20	16.98	H
17440.100	51.12	-26.85	45.25	32.72	68.20	17.08	V
13705.050	48.97	-29.10	40.86	37.20	68.20	19.23	V
14620.250	48.94	-27.29	41.90	34.33	68.20	19.26	H
5358.940	51.46	-27.43	34.01	44.88	74.00	22.54	V
5418.715	51.35	-27.36	34.09	44.63	74.00	22.65	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)
17446.150	50.77	-26.85	45.25	32.37	68.20	17.43	H
17655.150	50.77	-25.74	45.95	30.56	68.20	17.43	H
13724.300	49.52	-29.10	40.86	37.75	68.20	18.68	H
14068.050	48.92	-29.44	41.66	36.70	68.20	19.28	V
5441.590	52.66	-27.18	34.17	45.67	74.00	21.34	V
5470.000	51.35	-27.18	34.17	44.36	68.20	16.85	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)
17766.250	50.53	-25.50	46.66	29.37	74.00	23.47	V
17439.550	50.49	-26.85	45.25	32.09	68.20	17.71	H
13707.250	48.80	-29.10	40.86	37.03	68.20	19.40	H
14197.850	48.54	-28.99	42.00	35.52	68.20	19.66	V
5814.150	52.96	-27.07	34.33	45.70	68.20	15.24	V
5786.220	52.71	-27.07	34.33	45.45	68.20	15.49	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

Measurement Results:

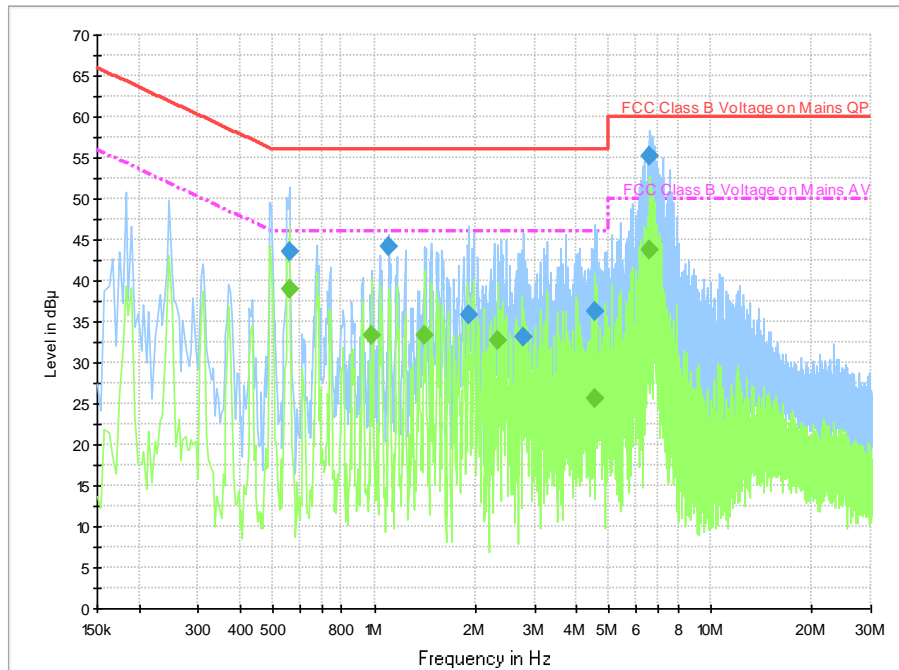


Fig.58 Conducted Emission (WLAN 5GHz, TX)

Measurement Result: Quasi Peak

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.558000	43.6	2000.0	9.000	On	L1	19.7	12.4	56.0	
1.102000	44.1	2000.0	9.000	On	L1	19.6	11.9	56.0	
1.914000	35.9	2000.0	9.000	On	L1	19.6	20.1	56.0	
2.778000	33.1	2000.0	9.000	On	L1	19.6	22.9	56.0	
4.506000	36.2	2000.0	9.000	On	L1	19.6	19.8	56.0	
6.610000	55.2	2000.0	9.000	On	L1	19.6	4.8	60.0	

Measurement Result: Average

Frequency (MHz)	CAverage (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.558000	38.9	2000.0	9.000	On	L1	19.7	7.1	46.0	
0.982000	33.4	2000.0	9.000	On	N	19.6	12.6	46.0	
1.410000	33.3	2000.0	9.000	On	L1	19.7	12.7	46.0	
2.326000	32.7	2000.0	9.000	On	L1	19.6	13.3	46.0	
4.506000	25.6	2000.0	9.000	On	L1	19.6	20.4	46.0	
6.610000	43.8	2000.0	9.000	On	L1	19.6	6.2	50.0	

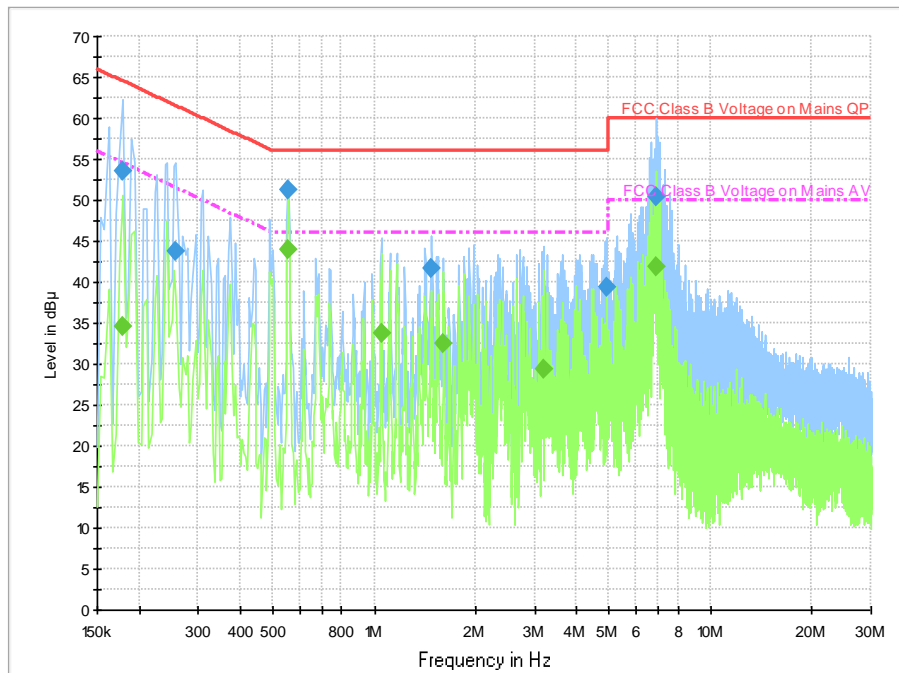


Fig.59 Conducted Emission(WLAN 5GHz, IDLE)

Measurement Result: Quasi Peak

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.178000	53.6	2000.0	9.000	On	L1	19.7	11.0	64.6	
0.258000	43.8	2000.0	9.000	On	L1	19.7	17.7	61.5	
0.554000	51.3	2000.0	9.000	On	L1	19.7	4.8	56.0	
1.482000	41.7	2000.0	9.000	On	L1	19.7	14.3	56.0	
4.926000	39.3	2000.0	9.000	On	L1	19.6	16.7	56.0	
6.890000	50.4	2000.0	9.000	On	L1	19.6	9.6	60.0	

Measurement Result: Average

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.178000	34.5	2000.0	9.000	On	L1	19.7	20.1	54.6	
0.554000	44.0	2000.0	9.000	On	L1	19.7	2.0	46.0	
1.050000	33.8	2000.0	9.000	On	L1	19.7	12.2	46.0	
1.598000	32.5	2000.0	9.000	On	L1	19.6	13.5	46.0	
3.198000	29.3	2000.0	9.000	On	L1	19.6	16.7	46.0	
6.890000	42.0	2000.0	9.000	On	L1	19.6	8.0	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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Measurement Result:

Mode	Frequency	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig.60	17.32	P
	5200 MHz	Fig.61	17.36	P
	5240 MHz	Fig.62	17.36	P
802.11ac HT20	5180 MHz	Fig.63	18.16	P
	5200 MHz	Fig.64	18.16	P
	5240 MHz	Fig.65	18.24	P
802.11n HT40	5190 MHz	Fig.66	36.16	P
	5230 MHz	Fig.67	36.16	P
802.11ac HT80	5210 MHz	Fig.68	75.20	P

Conclusion: PASS
Test graphs as below:

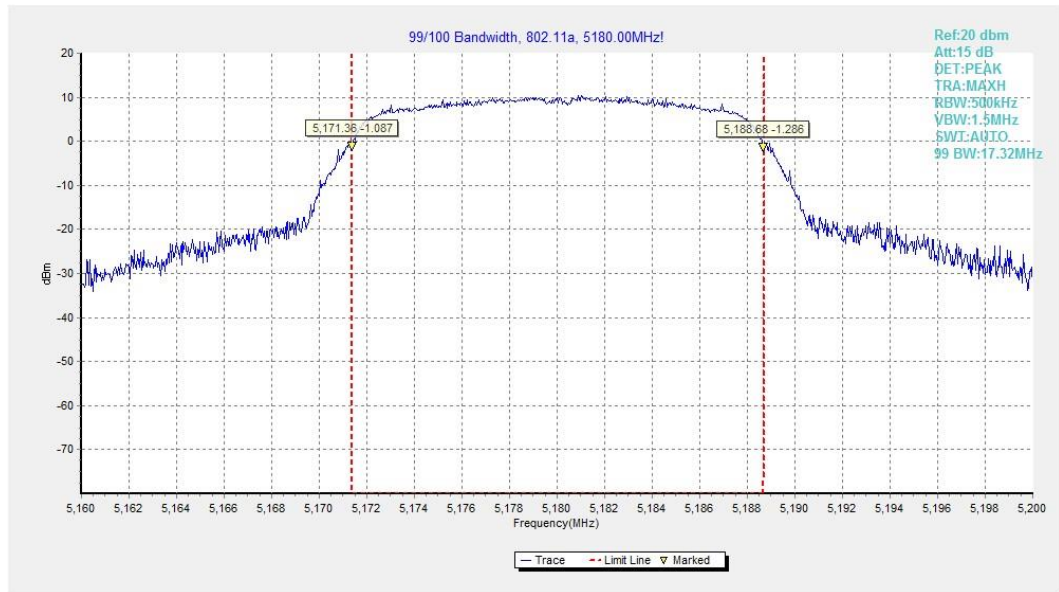


Fig.60 99% Occupied bandwidth (802.11a, 5180MHz)

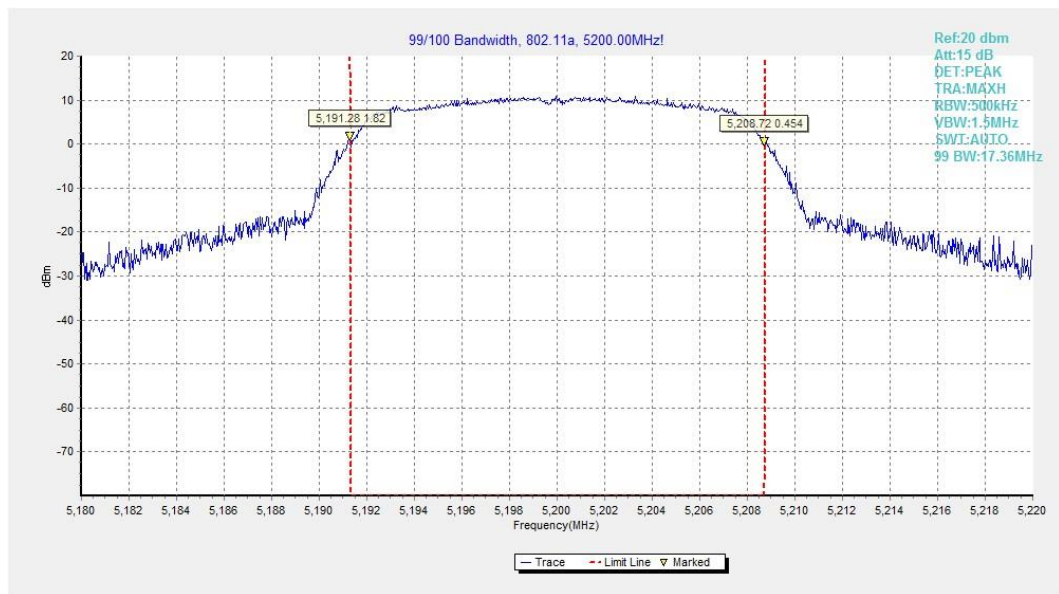


Fig.61 99% Occupied bandwidth (802.11a, 5200MHz)

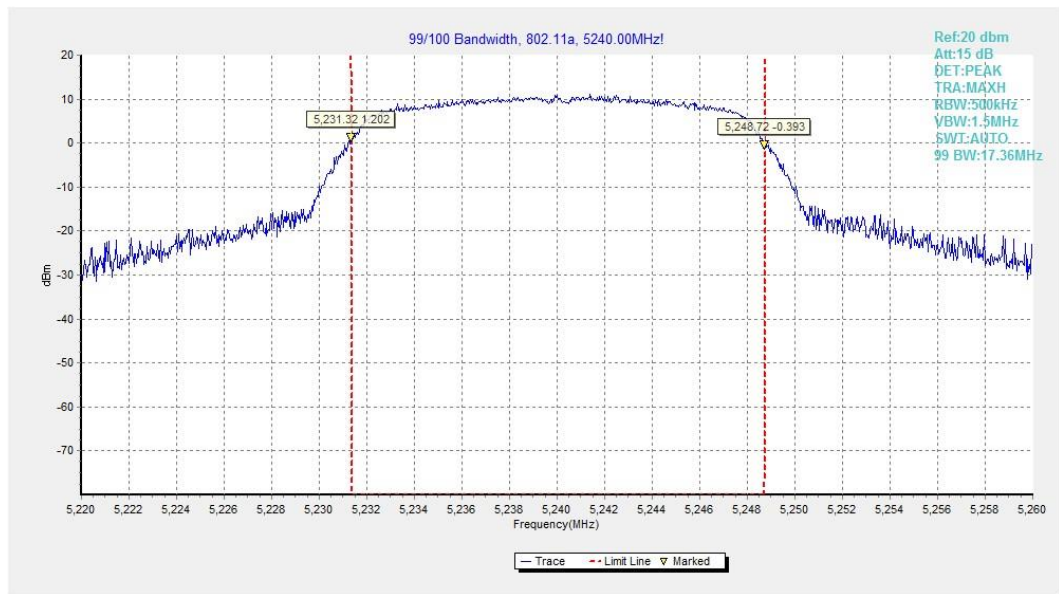


Fig.62 99% Occupied bandwidth (802.11a, 5240MHz)

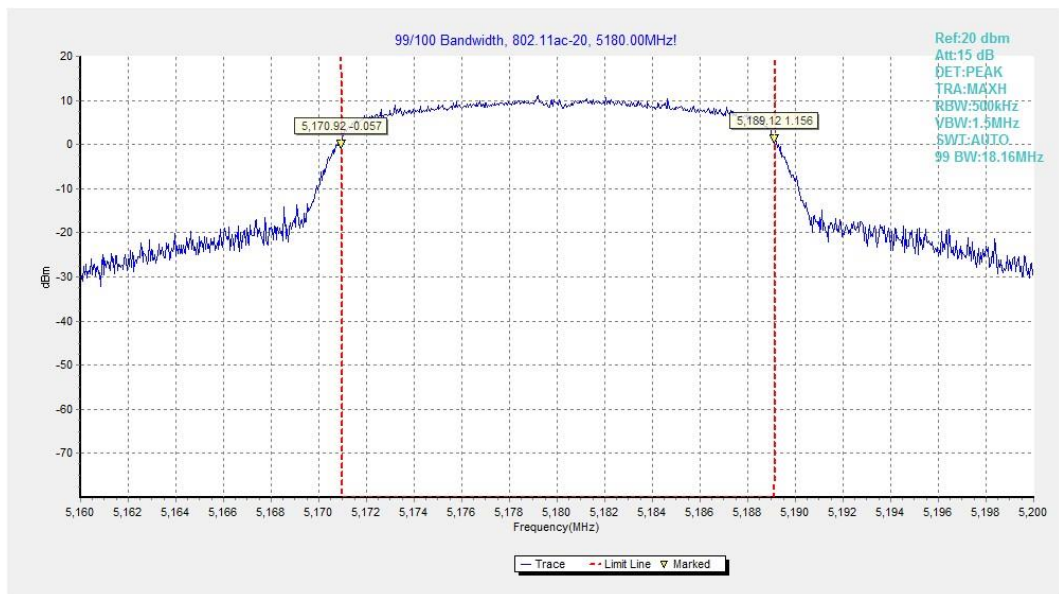


Fig.63 99% Occupied bandwidth (802.11ac-HT20, 5180MHz)

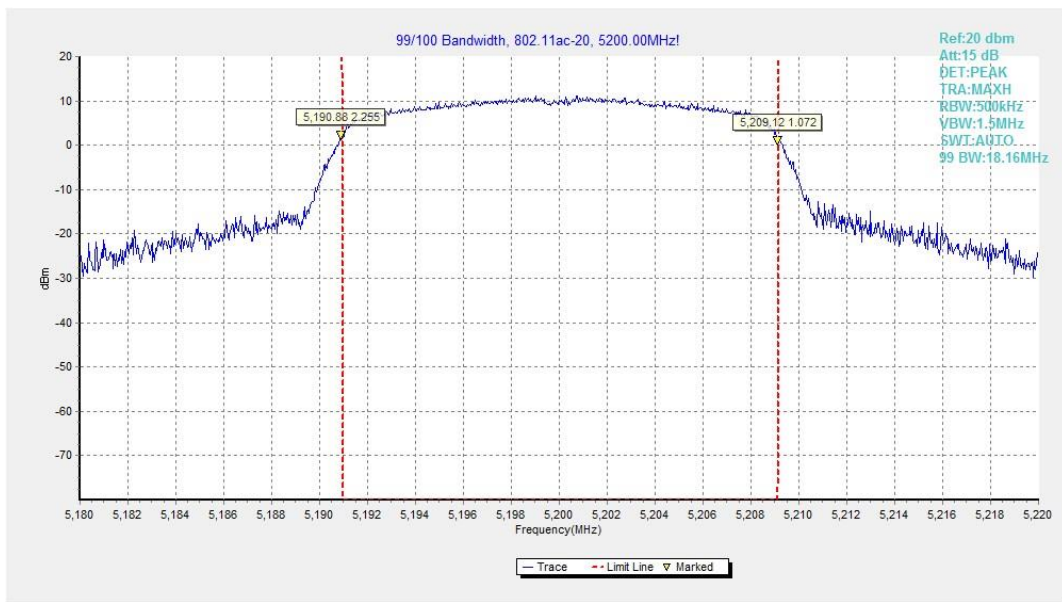


Fig.64 99% Occupied bandwidth (802.11ac-HT20, 5200MHz)

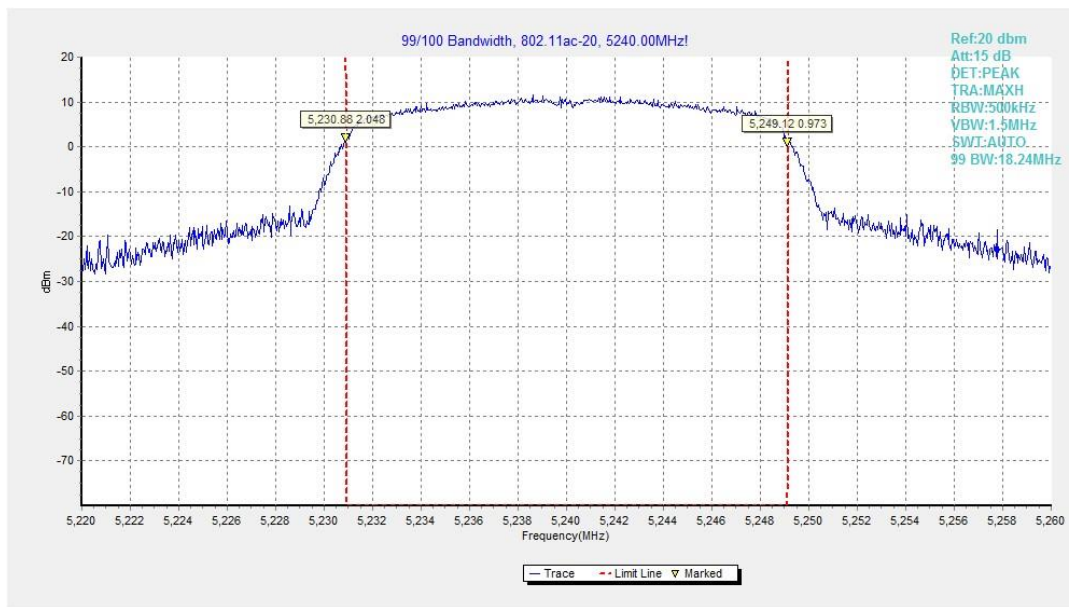


Fig.65 99% Occupied bandwidth (802.11ac-HT20, 5240MHz)

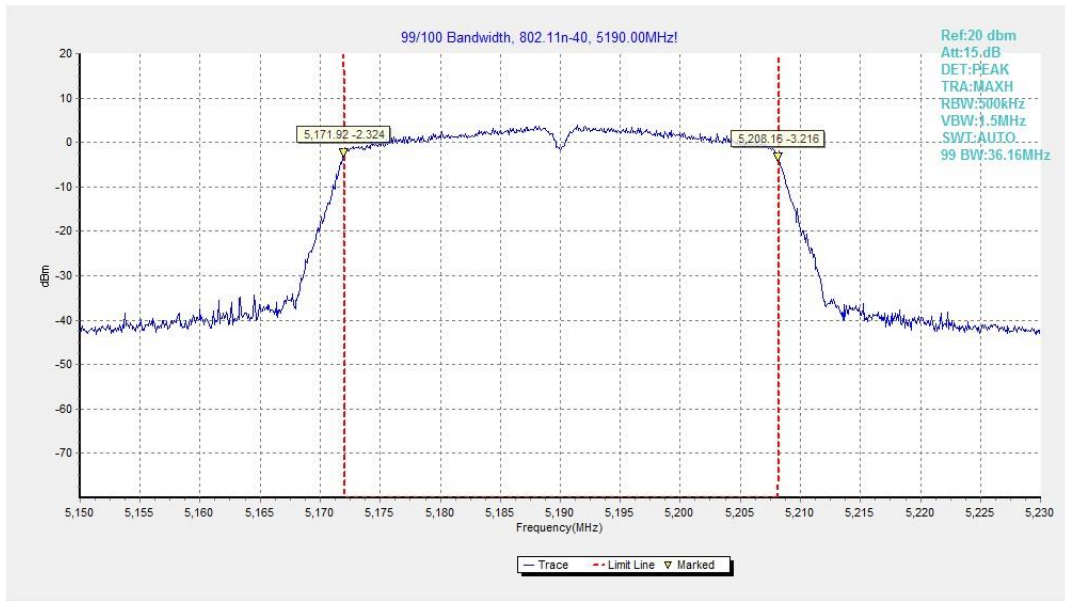


Fig.66 99% Occupied bandwidth (802.11n-HT40, 5190MHz)

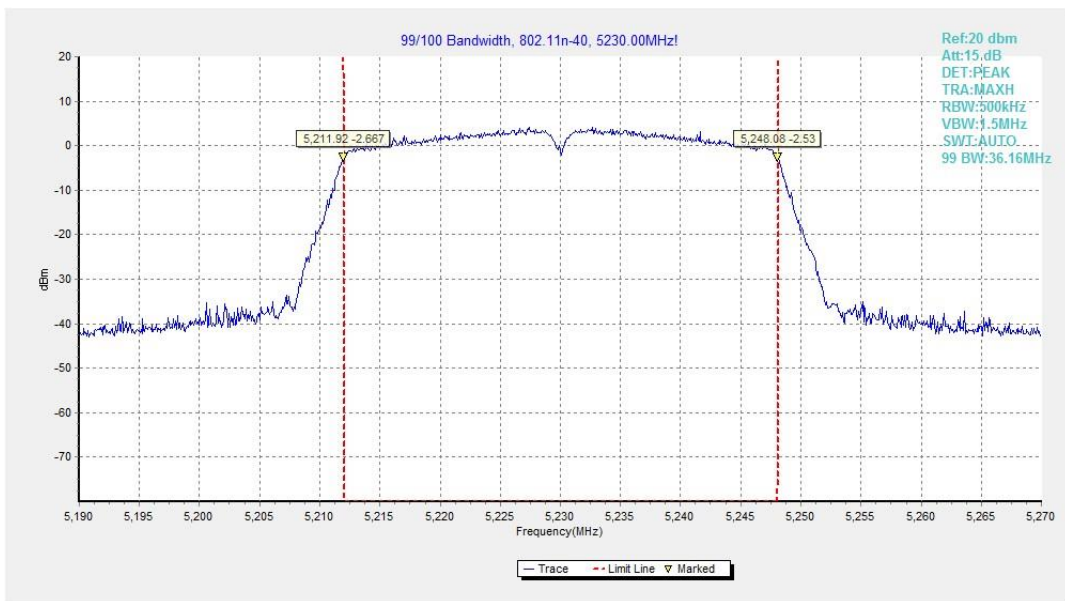


Fig.67 99% Occupied bandwidth (802.11n-HT40, 5230MHz)

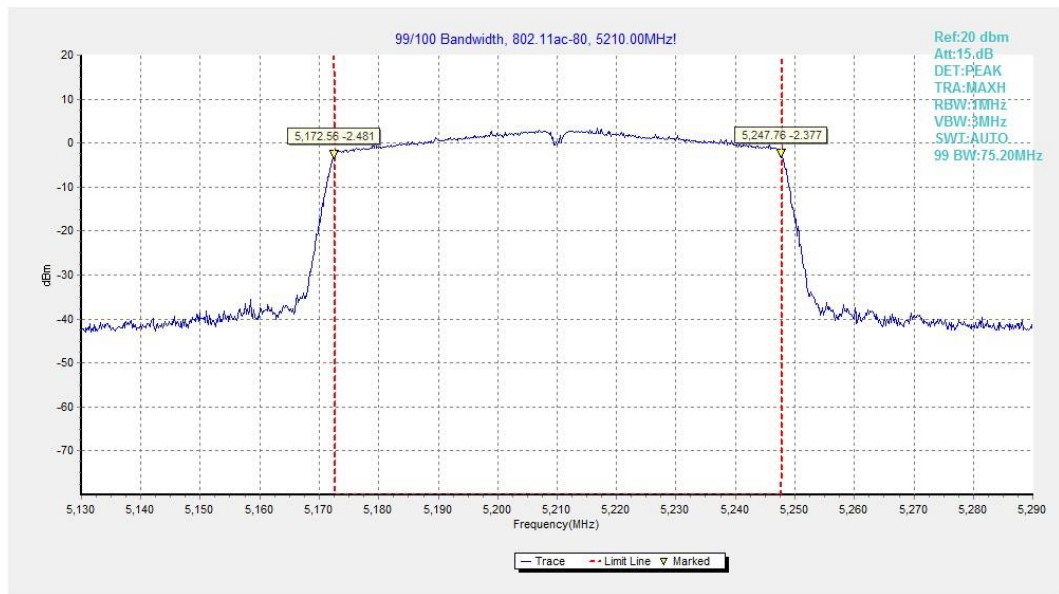


Fig.68 99% Occupied bandwidth (802.11ac-HT80, 5210MHz)

A.9. Power control

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

ANNEX B: EUT parameters

Disclaimer: The antenna gain 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 ***