

Fig.46 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

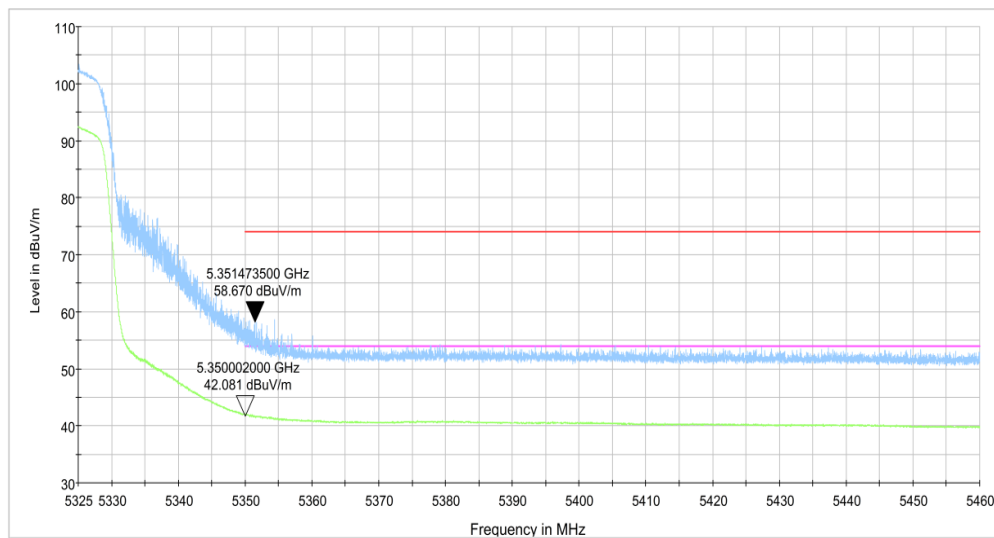


Fig.47 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

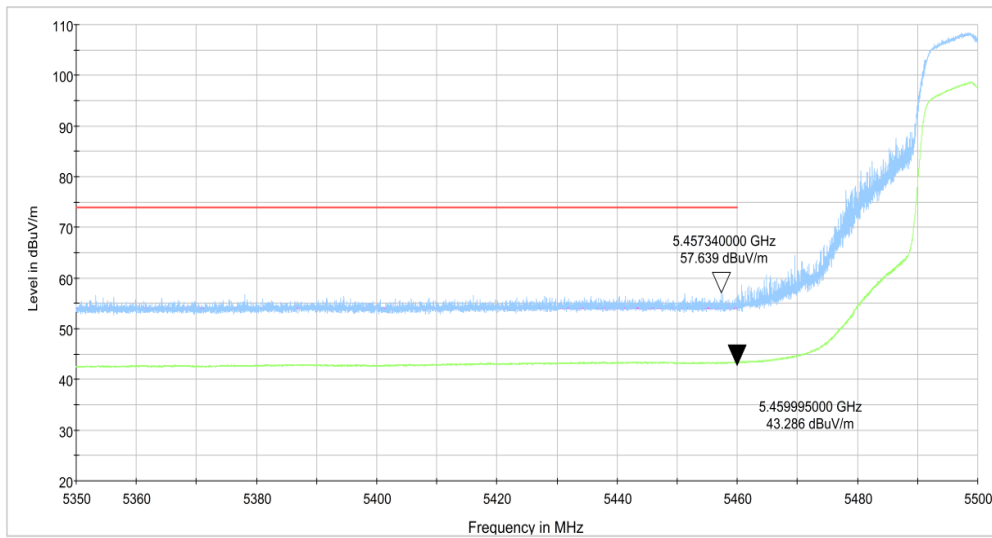


Fig.48 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

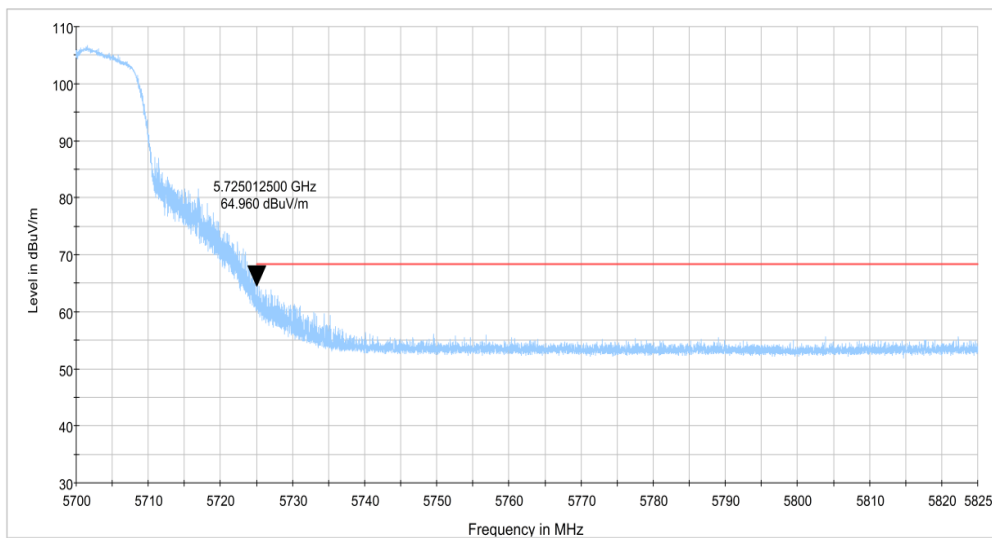


Fig.49 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

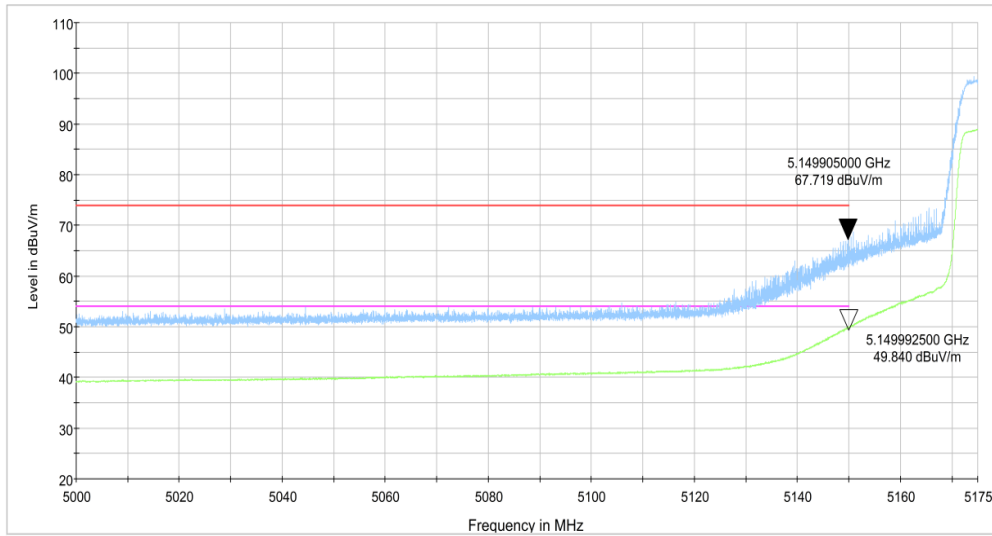


Fig.50 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

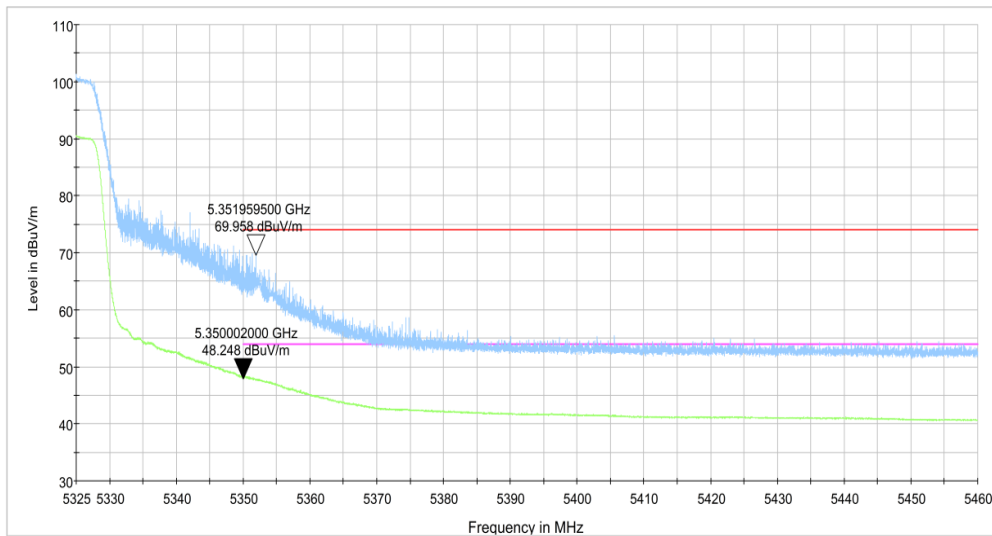


Fig.51 Band Edges (802.11ac-HT40 Ch62, 5310MHz)

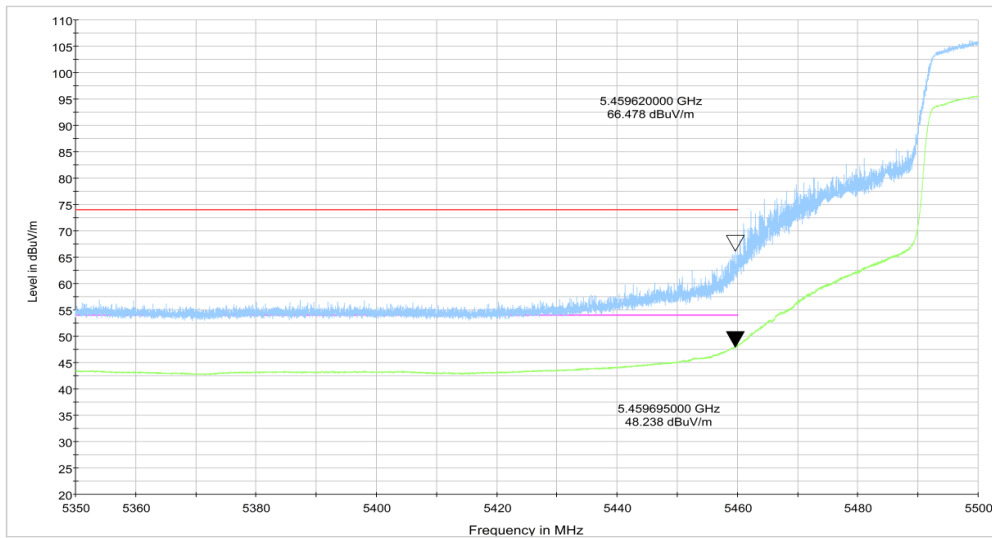


Fig.52 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

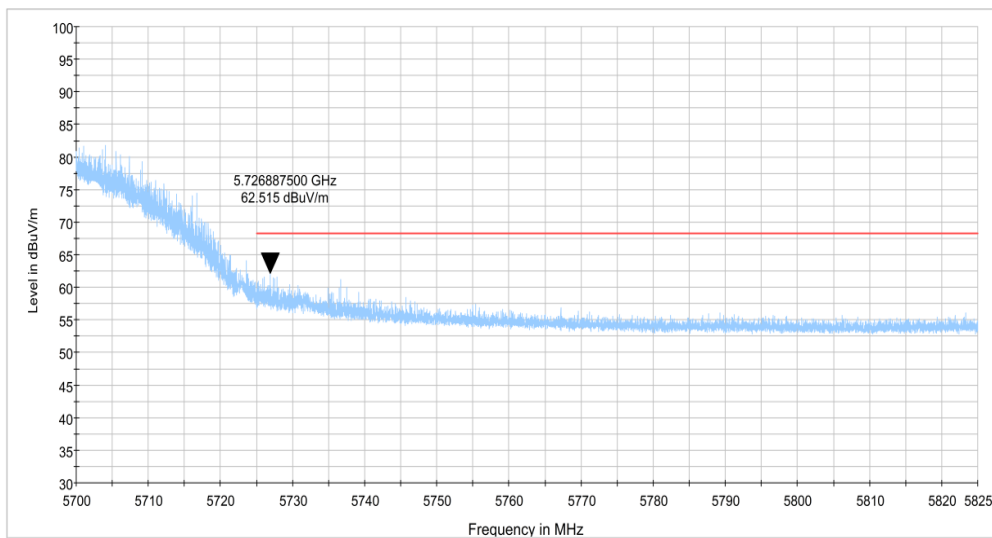


Fig.53 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

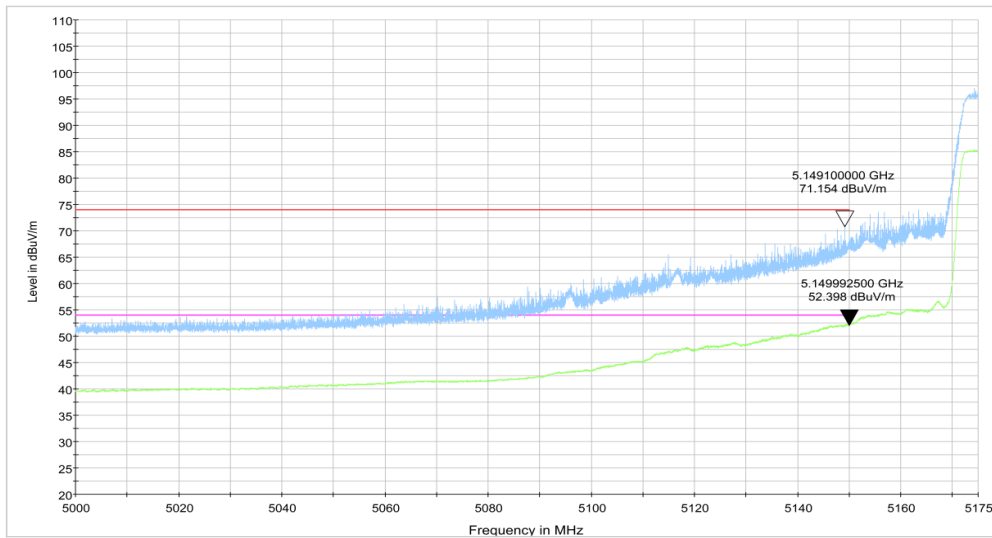


Fig.54 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

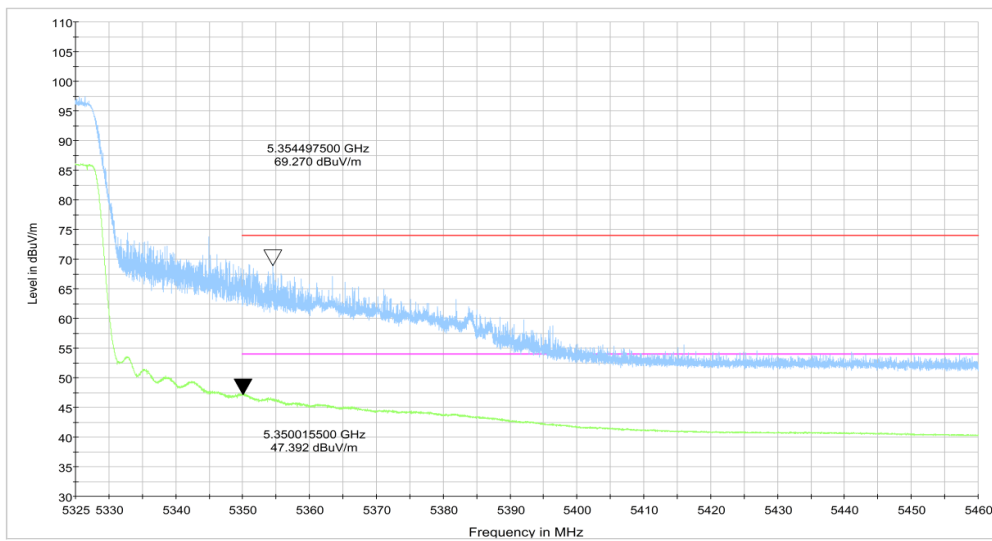


Fig.55 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

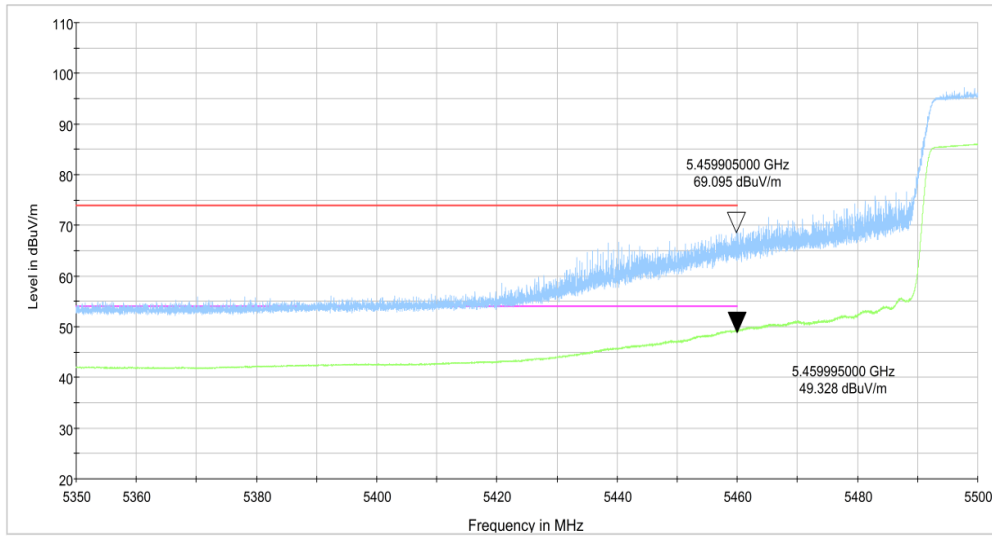


Fig.56 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

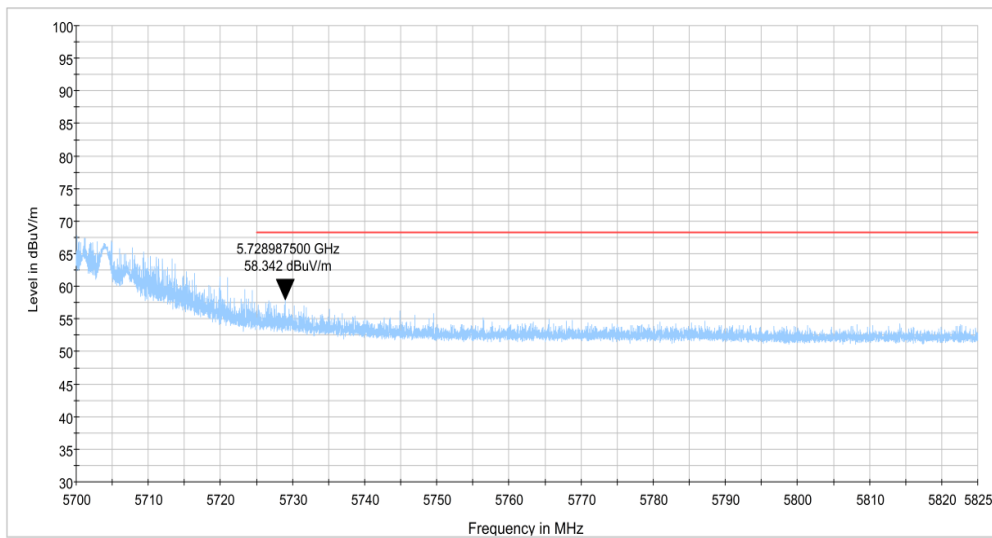


Fig.57 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

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 (MHz)	Field strength(μ V/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Frequency of emission (MHz)	Field strength(μ V/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

Set up:

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m. For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m

The EUT and transmitting antenna shall be centered on the turntable.

Test Procedure

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The receiver references:

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

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)	9kHz ~30 MHz	---	P
		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	---
	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)	9kHz ~30 MHz	---	P
		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)	9kHz ~30 MHz	---	P
		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
	144(5720MHz)	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	---
	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)	9kHz ~30 MHz	---	P
		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)	9kHz ~30 MHz	---	P
		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
	144(5720MHz)	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)	9kHz ~30 MHz	---	P
		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
	62(5310MHz)	26.5 GHz ~ 40 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
	102(5510MHz)	7 GHz ~ 18 GHz	---	P
		9kHz ~30 MHz	---	P
		30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
			7 GHz ~ 18 GHz	---

		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)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	142(5710MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 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)	9kHz ~30 MHz	---	P
		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)	9kHz ~30 MHz	---	P
		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
	144(5720MHz)	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)	9kHz ~30 MHz	---	P
		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)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	102(5510MHz)	9kHz ~30 MHz	---	P
		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)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	142(5710MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 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)	9kHz ~30 MHz	---	P
		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
	138(5690MHz)	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)
5149.600	42.99	-23.27	34.26	32.00	54.00	11.01	V
5150.000	43.15	-23.27	34.26	32.16	54.00	10.85	V
12360.300	33.35	-27.90	38.92	22.34	54.00	20.65	V
15540.400	35.20	-24.49	40.15	19.54	54.00	18.80	H
17833.900	38.02	-22.48	41.53	18.97	54.00	15.98	H
17902.100	38.11	-22.62	41.52	19.21	54.00	15.89	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)
5149.600	40.87	-23.27	34.26	29.88	54.00	13.13	V
5352.400	40.72	-22.29	34.34	28.67	54.00	13.28	V
12368.000	33.56	-27.94	38.92	22.58	54.00	20.44	V
15599.800	35.02	-24.52	40.22	19.32	54.00	18.98	H
17830.600	37.89	-22.48	41.53	18.83	54.00	16.11	V
17898.800	37.90	-22.62	41.52	18.99	54.00	16.10	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)
5148.400	40.55	-23.28	34.26	29.56	54.00	13.45	V
5353.200	41.08	-22.29	34.34	29.02	54.00	12.92	V
12368.000	33.54	-27.94	38.92	22.56	54.00	20.46	H
15719.700	34.79	-24.36	40.37	18.78	54.00	19.21	H
17743.700	37.84	-22.28	41.55	18.57	54.00	16.16	H
17910.900	38.12	-22.64	41.52	19.25	54.00	15.88	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)
5148.000	40.87	-23.28	34.26	29.89	54.00	13.13	V
5352.000	41.39	-22.29	34.34	29.34	54.00	12.61	V
10985.300	31.58	-29.90	37.99	23.49	54.00	22.42	H
15780.200	35.09	-24.20	40.44	18.85	54.00	18.91	V
17789.900	37.77	-22.39	41.54	18.61	54.00	16.23	V
17919.700	38.24	-22.66	41.52	19.38	54.00	15.76	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)
5112.000	40.86	-23.40	34.25	30.01	54.00	13.14	V
5384.000	41.17	-22.29	34.36	29.10	54.00	12.83	V
11045.800	31.82	-29.78	38.02	23.58	54.00	22.18	V
15839.600	35.78	-24.06	40.51	19.34	54.00	18.22	H
17832.800	38.00	-22.48	41.53	18.95	54.00	16.00	V
17916.400	38.26	-22.65	41.52	19.40	54.00	15.74	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)
5350.000	43.67	-22.29	34.34	31.62	54.00	10.33	V
5351.000	43.23	-22.29	34.34	31.18	54.00	10.77	V
10638.800	38.05	-29.30	37.86	29.49	54.00	15.95	V
15959.500	35.81	-23.82	40.65	18.98	54.00	18.19	V
17753.600	37.85	-22.30	41.55	18.61	54.00	16.15	V
17837.200	38.01	-22.49	41.53	18.97	54.00	15.99	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)
5356.000	38.40	-22.29	34.34	26.35	54.00	15.60	V
5387.200	38.44	-22.29	34.36	26.37	54.00	15.56	V
10999.600	35.28	-29.87	38.00	27.16	54.00	18.72	H
16499.600	36.71	-23.16	41.50	18.37	54.00	17.29	V
17749.200	38.09	-22.29	41.55	18.83	54.00	15.91	V
17940.600	38.18	-22.70	41.51	19.37	54.00	15.82	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)
5396.000	39.19	-22.29	34.36	27.12	54.00	14.81	V
5434.800	39.49	-22.59	34.37	27.70	54.00	14.51	V
11199.800	32.60	-30.43	38.08	24.95	54.00	21.40	H
16799.900	37.13	-23.00	41.92	18.21	54.00	16.87	H
17822.900	38.03	-22.46	41.54	18.95	54.00	15.97	H
17936.200	38.18	-22.69	41.51	19.36	54.00	15.82	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5388.400	39.06	-22.29	34.36	26.99	48.30	9.24	V
5442.800	38.94	-22.65	34.38	27.21	48.30	9.36	V
11400.000	33.91	-29.72	38.16	25.47	48.30	14.39	H
17100.200	37.64	-23.04	42.08	18.60	48.30	10.66	V
17836.100	38.21	-22.49	41.53	19.16	48.30	10.09	H
17910.900	38.34	-22.64	41.52	19.47	48.30	9.96	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)
5452.800	38.52	-22.70	34.38	26.84	48.30	9.78	V
5456.800	38.52	-22.70	34.38	26.83	48.30	9.78	V
11439.600	34.49	-29.47	38.18	25.78	48.30	13.81	H
17159.600	37.55	-22.97	42.01	18.52	48.30	10.75	H
17833.900	38.28	-22.48	41.53	19.23	48.30	10.02	H
17907.600	38.51	-22.63	41.52	19.62	48.30	9.79	V

802.11n-HT20

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5149.600	46.16	-23.27	34.26	35.17	54.00	7.84	V
5150.000	46.58	-23.27	34.26	35.59	54.00	7.42	V
12362.500	33.53	-27.91	38.92	22.52	54.00	20.47	V
15540.400	35.17	-24.49	40.15	19.51	54.00	18.83	V
17759.100	37.69	-22.32	41.55	18.46	54.00	16.31	H
17902.100	38.04	-22.62	41.52	19.14	54.00	15.96	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)
5148.800	41.63	-23.27	34.26	30.64	54.00	12.37	V
5356.000	41.07	-22.29	34.34	29.01	54.00	12.93	V
12366.900	33.54	-27.93	38.92	22.55	54.00	20.46	V
15599.800	35.09	-24.52	40.22	19.39	54.00	18.91	H
17836.100	37.87	-22.49	41.53	18.82	54.00	16.13	H
17910.900	38.02	-22.64	41.52	19.14	54.00	15.98	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)
5148.400	41.19	-23.28	34.26	30.21	54.00	12.81	V
5352.400	41.50	-22.29	34.34	29.45	54.00	12.50	V
12368.000	33.56	-27.94	38.92	22.57	54.00	20.44	H
15719.700	34.89	-24.36	40.37	18.88	54.00	19.11	H
17749.200	37.88	-22.29	41.55	18.62	54.00	16.12	H
17910.900	38.13	-22.64	41.52	19.25	54.00	15.87	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)
5150.400	40.80	-23.27	34.26	29.81	54.00	13.20	V
5352.400	41.38	-22.29	34.34	29.33	54.00	12.62	V
11128.300	31.60	-30.29	38.05	23.84	54.00	22.40	V
15780.200	35.15	-24.20	40.44	18.91	54.00	18.85	V
17829.500	38.10	-22.47	41.53	19.04	54.00	15.90	H
17937.300	38.11	-22.69	41.51	19.29	54.00	15.89	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)
5149.600	40.83	-23.27	34.26	29.84	54.00	13.17	V
5354.000	41.58	-22.29	34.34	29.53	54.00	12.42	V
10855.500	31.70	-29.83	37.94	23.59	54.00	22.30	V
15839.600	35.65	-24.06	40.51	19.20	54.00	18.35	H
17831.700	38.14	-22.48	41.53	19.09	54.00	15.86	H
17894.400	38.05	-22.61	41.52	19.14	54.00	15.95	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)
5350.000	43.93	-22.29	34.34	31.88	54.00	10.07	V
5350.400	43.74	-22.29	34.34	31.69	54.00	10.26	V
10638.800	37.72	-29.30	37.86	29.16	54.00	16.28	H
15959.500	35.84	-23.82	40.65	19.01	54.00	18.16	H
17786.600	37.73	-22.38	41.54	18.56	54.00	16.27	V
17877.900	37.83	-22.57	41.52	18.87	54.00	16.17	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)
5450.000	41.74	-22.70	34.38	30.06	54.00	12.26	V
5459.200	42.08	-22.69	34.38	30.39	54.00	11.92	V
10999.600	34.33	-29.87	38.00	26.21	54.00	19.67	H
16499.600	36.84	-23.16	41.50	18.50	54.00	17.16	H
17826.200	38.17	-22.47	41.53	19.11	54.00	15.83	H
17919.700	38.35	-22.66	41.52	19.50	54.00	15.65	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)
5432.000	40.82	-22.57	34.37	29.02	54.00	13.18	V
5460.000	40.42	-22.69	34.38	28.73	54.00	13.58	V
11199.800	32.87	-30.43	38.08	25.22	54.00	21.13	V
16799.000	37.15	-23.00	41.92	18.22	54.00	16.85	H
17829.500	38.22	-22.47	41.53	19.16	54.00	15.78	H
17920.800	38.44	-22.66	41.52	19.59	54.00	15.56	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)
5386.400	38.68	-22.29	34.36	26.61	48.30	9.62	V
5396.800	38.73	-22.29	34.36	26.66	48.30	9.57	V
11400.000	33.77	-29.72	38.16	25.33	48.30	14.53	H
17100.200	37.73	-23.04	42.08	18.69	48.30	10.57	V
17792.100	37.86	-22.39	41.54	18.71	48.30	10.44	V
17919.700	38.44	-22.66	41.52	19.58	48.30	9.86	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)
5446.400	38.80	-22.68	34.38	27.09	48.30	9.50	V
5456.800	38.66	-22.70	34.38	26.98	48.30	9.64	V
11439.600	34.41	-29.47	38.18	25.71	48.30	13.89	H
17159.600	37.48	-22.97	42.01	18.44	48.30	10.82	V
17833.900	38.24	-22.48	41.53	19.19	48.30	10.06	H
17902.100	38.38	-22.62	41.52	19.48	48.30	9.92	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)
5149.200	49.88	-23.27	34.26	38.89	54.00	4.12	V
5150.000	50.18	-23.27	34.26	39.19	54.00	3.82	V
11027.100	31.88	-29.82	38.01	23.69	54.00	22.12	H
15570.100	35.41	-24.50	40.19	19.73	54.00	18.59	H
17775.600	37.71	-22.35	41.54	18.52	54.00	16.29	V
17906.500	38.01	-22.63	41.52	19.13	54.00	15.99	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)
5149.200	40.16	-23.27	34.26	29.17	54.00	13.84	V
5352.800	40.09	-22.29	34.34	28.03	54.00	13.91	V
11367.000	32.15	-29.90	38.15	23.90	54.00	21.85	V
15690.000	35.19	-24.44	40.33	19.30	54.00	18.81	H
17772.300	37.73	-22.35	41.55	18.53	54.00	16.27	H
17939.500	38.01	-22.70	41.51	19.20	54.00	15.99	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)
5149.200	38.37	-23.27	34.26	27.38	54.00	15.63	V
5352.000	39.42	-22.29	34.34	27.37	54.00	14.58	V
10925.900	31.63	-29.98	37.97	23.64	54.00	22.37	V
15809.900	35.58	-24.12	40.47	19.23	54.00	18.42	H
17759.100	37.92	-22.32	41.55	18.68	54.00	16.08	V
17903.200	38.28	-22.63	41.52	19.38	54.00	15.72	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	45.05	-22.29	34.34	33.00	54.00	8.95	V
5351.200	44.89	-22.29	34.34	32.84	54.00	9.11	V
10619.000	34.87	-29.19	37.85	26.21	54.00	19.13	V
15929.800	35.70	-23.88	40.62	18.96	54.00	18.30	H
17825.100	38.02	-22.46	41.53	18.95	54.00	15.98	H
17954.900	38.11	-22.73	41.51	19.33	54.00	15.89	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5458.400	40.46	-22.69	34.38	28.77	54.00	13.54	V
5460.000	40.54	-22.69	34.38	28.85	54.00	13.46	V
11020.500	33.76	-29.83	38.01	25.59	54.00	20.24	V
16530.400	36.64	-23.21	41.54	18.31	54.00	17.36	V
17826.200	38.17	-22.47	41.53	19.11	54.00	15.83	H
17910.900	38.54	-22.64	41.52	19.66	54.00	15.46	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)
5387.600	38.38	-22.29	34.36	26.31	54.00	15.62	V
5439.600	38.24	-22.62	34.38	26.49	54.00	15.76	V
11180.000	32.22	-30.45	38.07	24.59	54.00	21.78	H
16770.200	37.07	-23.01	41.88	18.20	54.00	16.93	H
17830.600	38.25	-22.48	41.53	19.19	54.00	15.75	H
17906.500	38.51	-22.63	41.52	19.63	54.00	15.49	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)
5387.200	39.69	-22.29	34.36	27.62	48.30	8.61	V
5402.000	39.58	-22.33	34.36	27.55	48.30	8.72	V
11339.500	33.68	-30.03	38.14	25.58	48.30	14.62	H
17010.000	37.72	-23.02	42.19	18.55	48.30	10.58	H
17828.400	38.17	-22.47	41.53	19.11	48.30	10.13	H
17910.900	38.54	-22.64	41.52	19.67	48.30	9.76	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)
5435.600	38.89	-22.59	34.38	27.10	48.30	9.41	V
5448.400	38.79	-22.69	34.38	27.11	48.30	9.51	V
11419.800	33.51	-29.59	38.17	24.94	48.30	14.79	V
17129.900	37.48	-23.02	42.04	18.46	48.30	10.82	H
17833.900	38.25	-22.48	41.53	19.20	48.30	10.05	H
17919.700	38.44	-22.66	41.52	19.58	48.30	9.86	H

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5149.600	44.38	-23.27	34.26	33.39	54.00	9.62	V
5150.000	44.61	-23.27	34.26	33.62	54.00	9.39	V
10832.400	31.23	-29.78	37.93	23.07	54.00	22.77	V
15540.400	35.10	-24.49	40.15	19.43	54.00	18.90	H
17892.200	37.86	-22.60	41.52	18.94	54.00	16.14	V
17962.600	37.72	-22.75	41.51	18.96	54.00	16.28	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)
5147.600	40.87	-23.28	34.26	29.89	54.00	13.13	V
5354.000	40.68	-22.29	34.34	28.63	54.00	13.32	V
10892.900	31.46	-29.91	37.96	23.41	54.00	22.54	H
15599.800	35.13	-24.52	40.22	19.43	54.00	18.87	H
17775.600	37.65	-22.35	41.54	18.46	54.00	16.35	H
17885.600	37.91	-22.59	41.52	18.97	54.00	16.09	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)
5148.800	40.57	-23.27	34.26	29.58	54.00	13.43	V
5352.000	40.91	-22.29	34.34	28.86	54.00	13.09	V
10990.800	31.72	-29.89	38.00	23.62	54.00	22.28	H
15719.700	34.91	-24.36	40.37	18.90	54.00	19.09	H
17820.700	37.87	-22.46	41.54	18.78	54.00	16.13	V
17945.000	37.89	-22.71	41.51	19.09	54.00	16.11	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)
5148.400	39.35	-23.28	34.26	28.37	54.00	14.65	V
5353.200	40.21	-22.29	34.34	28.16	54.00	13.79	V
11012.800	32.10	-29.85	38.01	23.95	54.00	21.90	V
15780.200	35.17	-24.20	40.44	18.93	54.00	18.83	V
17784.400	37.86	-22.37	41.54	18.69	54.00	16.14	V
17929.600	38.20	-22.68	41.51	19.37	54.00	15.80	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)
5148.000	39.09	-23.28	34.26	28.10	54.00	14.91	V
5354.000	40.30	-22.29	34.34	28.24	54.00	13.70	V
10892.900	31.71	-29.91	37.96	23.67	54.00	22.29	H
15839.600	35.76	-24.06	40.51	19.31	54.00	18.24	H
17761.300	37.87	-22.32	41.55	18.65	54.00	16.13	V
17932.900	38.22	-22.69	41.51	19.39	54.00	15.78	H

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	40.27	-22.29	34.34	28.22	54.00	13.73	V
5350.800	40.04	-22.29	34.34	27.99	54.00	13.96	V
10638.800	36.55	-29.30	37.86	27.99	54.00	17.45	V
15959.500	35.88	-23.82	40.65	19.05	54.00	18.12	H
17897.700	38.22	-22.61	41.52	19.31	54.00	15.78	H
17953.800	38.06	-22.73	41.51	19.28	54.00	15.94	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)
5433.200	40.03	-22.57	34.37	28.23	54.00	13.97	V
5437.600	40.02	-22.61	34.38	28.25	54.00	13.98	V
10999.600	34.61	-29.87	38.00	26.49	54.00	19.39	H
16499.600	36.86	-23.16	41.50	18.52	54.00	17.14	H
17792.100	37.91	-22.39	41.54	18.76	54.00	16.09	H
17939.500	38.37	-22.70	41.51	19.56	54.00	15.63	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)
5432.400	38.82	-22.57	34.37	27.01	54.00	15.18	V
5443.600	38.80	-22.66	34.38	27.07	54.00	15.20	V
11199.800	33.16	-30.43	38.08	25.51	54.00	20.84	H
16799.900	37.26	-23.00	41.92	18.34	54.00	16.74	V
17832.800	38.36	-22.48	41.53	19.30	54.00	15.64	H
17918.600	38.53	-22.66	41.52	19.67	54.00	15.47	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)
5386.800	39.27	-22.29	34.36	27.20	48.30	9.03	V
5394.800	39.26	-22.29	34.36	27.19	48.30	9.04	V
11400.000	35.32	-29.72	38.16	26.88	48.30	12.98	H
17100.200	37.69	-23.04	42.08	18.65	48.30	10.61	H
17833.900	38.26	-22.48	41.53	19.21	48.30	10.04	H
17916.400	38.51	-22.65	41.52	19.64	48.30	9.79	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)
5449.600	38.64	-22.70	34.38	26.96	48.30	9.66	V
5457.600	38.61	-22.70	34.38	26.92	48.30	9.69	V
11439.600	34.28	-29.47	38.18	25.57	48.30	14.02	V
17159.600	37.50	-22.97	42.01	18.46	48.30	10.80	V
17833.900	38.37	-22.48	41.53	19.32	48.30	9.93	H
17919.700	38.56	-22.66	41.52	19.71	48.30	9.74	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)
5149.600	48.14	-23.27	34.26	37.15	54.00	5.86	V
5150.000	48.53	-23.27	34.26	37.54	54.00	5.47	V
11011.700	31.00	-29.85	38.00	22.85	54.00	23.00	V
15570.100	35.33	-24.50	40.19	19.65	54.00	18.67	H
17750.300	37.89	-22.30	41.55	18.63	54.00	16.11	V
17873.500	37.63	-22.56	41.53	18.67	54.00	16.37	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)
5149.200	39.79	-23.27	34.26	28.80	54.00	14.21	V
5350.400	40.01	-22.29	34.34	27.96	54.00	13.99	V
12366.900	33.51	-27.93	38.92	22.52	54.00	20.49	H
15690.000	35.19	-24.44	40.33	19.30	54.00	18.81	V
17825.000	37.84	-22.46	41.53	18.77	54.00	16.16	H
17928.500	38.10	-22.68	41.51	19.26	54.00	15.90	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)
5148.800	38.70	-23.27	34.26	27.71	54.00	15.30	V
5353.600	40.09	-22.29	34.34	28.04	54.00	13.91	V
10538.700	35.36	-29.55	37.82	27.10	54.00	18.64	V
15809.900	35.67	-24.12	40.47	19.31	54.00	18.33	H
17835.000	38.18	-22.48	41.53	19.13	54.00	15.82	V
17945.000	38.16	-22.71	41.51	19.35	54.00	15.84	V

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.000	46.46	-22.29	34.34	34.41	54.00	7.54	V
5350.400	46.48	-22.29	34.34	34.43	54.00	7.52	V
10617.900	35.16	-29.18	37.85	26.50	54.00	18.84	H
15929.800	35.76	-23.88	40.62	19.03	54.00	18.24	V
17899.900	38.32	-22.62	41.52	19.41	54.00	15.68	H
17956.000	38.10	-22.73	41.51	19.32	54.00	15.90	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)
5458.000	45.87	-22.70	34.38	34.18	54.00	8.13	V
5459.200	46.43	-22.69	34.38	34.74	54.00	7.57	V
11020.500	33.36	-29.83	38.01	25.19	54.00	20.64	H
16530.400	36.69	-23.21	41.54	18.36	54.00	17.31	V
17833.900	38.21	-22.48	41.53	19.16	54.00	15.79	V
17910.900	38.44	-22.64	41.52	19.56	54.00	15.56	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)
5402.800	41.65	-22.34	34.36	29.63	54.00	12.35	V
5438.000	41.74	-22.61	34.38	29.98	54.00	12.26	V
11180.000	32.06	-30.45	38.07	24.44	54.00	21.94	H
16770.200	37.04	-23.01	41.88	18.16	54.00	16.96	V
17829.500	38.21	-22.47	41.53	19.15	54.00	15.79	H
17932.900	38.35	-22.69	41.51	19.52	54.00	15.65	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)
5440.000	39.62	-22.63	34.38	27.87	48.30	8.68	V
5446.400	39.70	-22.68	34.38	28.00	48.30	8.59	V
11339.500	33.23	-30.03	38.14	25.12	48.30	15.07	V
17010.000	37.62	-23.02	42.19	18.45	48.30	10.68	V
17789.900	38.02	-22.39	41.54	18.87	48.30	10.28	V
17919.700	38.38	-22.66	41.52	19.53	48.30	9.92	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)
5430.800	38.85	-22.56	34.37	27.03	48.30	9.45	V
5444.000	38.79	-22.66	34.38	27.07	48.30	9.51	V
11419.800	33.44	-29.59	38.17	24.86	48.30	14.86	V
17129.900	37.46	-23.02	42.04	18.43	48.30	10.84	V
17822.900	38.20	-22.46	41.54	19.12	48.30	10.10	V
17916.400	38.51	-22.65	41.52	19.65	48.30	9.79	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)
5148.800	51.5	-23.3	34.3	40.49	54.0	2.5	V
5150.000	51.8	-23.3	34.3	40.70	54.0	2.2	V
11052.400	32.0	-29.8	38.0	23.83	54.0	22.0	H
15629.500	35.4	-24.5	40.4	19.61	54.0	18.6	V
17831.700	38.1	-22.5	41.3	19.31	54.0	15.9	V
17921.900	38.2	-22.7	41.3	19.60	54.0	15.8	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)
5150.000	39.1	-23.3	34.3	28.02	54.0	14.9	V
5350.400	45.3	-22.3	34.5	33.10	54.0	8.7	V
10580.750	31.9	-29.3	37.6	23.57	54.0	22.1	H
15869.850	35.2	-24.0	40.6	18.59	54.0	18.8	V
17783.500	37.9	-22.4	41.3	19.01	54.0	16.1	H
17820.600	38.4	-22.5	41.3	19.58	54.0	15.6	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)
5459.200	48.7	-22.7	34.6	36.82	54.0	5.3	V
5460.000	48.6	-22.7	34.6	36.74	54.0	5.4	V
11060.100	32.5	-29.9	38.0	24.37	54.0	21.5	H
16589.800	36.9	-23.3	41.5	18.75	54.0	17.1	H
17774.500	38.0	-22.4	41.3	19.12	54.0	16.0	H
17910.900	38.5	-22.6	41.3	19.87	54.0	15.5	H

Channel 122

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5449.200	39.0	-22.7	34.6	27.11	54.0	15.0	V
5460.000	39.0	-22.7	34.6	27.10	54.0	15.0	V
11219.600	31.8	-30.4	38.2	24.02	54.0	22.2	H
16829.600	37.5	-23.0	41.6	18.93	54.0	16.5	H
17826.200	38.2	-22.5	41.3	19.42	54.0	15.8	V
17914.200	38.5	-22.6	41.3	19.88	54.0	15.5	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)
5384.000	39.2	-22.3	34.5	26.93	48.3	9.1	V
5397.200	39.1	-22.3	34.5	26.87	48.3	9.2	V
11380.200	32.7	-29.8	38.4	24.20	48.3	15.6	H
17070.500	37.7	-23.0	41.6	19.08	48.3	10.6	V
17769.000	38.0	-22.3	41.3	19.11	48.3	10.3	V
17915.300	38.5	-22.6	41.3	19.89	48.3	9.8	V

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)
5148.295	65.46	-23.28	34.26	54.47	74.00	8.54	H
5149.800	65.92	-23.27	34.26	54.94	74.00	8.08	H
10355.000	50.85	-29.72	37.63	42.94	68.30	17.45	H
15539.850	52.19	-24.49	40.15	36.53	74.00	21.81	V
16929.150	56.70	-23.01	42.10	37.61	68.30	11.60	H
17627.100	57.82	-22.06	41.57	38.30	68.30	10.48	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)
5135.200	54.74	-23.31	34.26	43.79	68.30	13.56	V
5351.800	53.91	-22.29	34.34	41.86	68.30	14.39	H
10402.300	50.42	-29.30	37.69	42.03	68.30	17.88	V
15599.800	51.93	-24.52	40.22	36.23	74.00	22.07	H
17051.250	56.46	-23.03	42.14	37.36	68.30	11.84	V
17391.150	56.75	-23.02	41.73	38.04	68.30	11.55	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)
5123.400	53.78	-23.35	34.25	42.88	74.00	20.22	H
5362.800	54.47	-22.29	34.35	42.42	74.00	19.53	H
10478.750	51.41	-29.57	37.78	43.20	68.30	16.89	H
15720.250	51.42	-24.36	40.37	35.41	74.00	22.58	V
17061.150	56.96	-23.03	42.13	37.87	68.30	11.34	H
17137.050	56.82	-23.01	42.03	37.79	68.30	11.48	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)
5143.800	54.35	-23.29	34.26	43.38	74.00	19.65	V
5373.800	54.44	-22.29	34.35	42.38	74.00	19.56	H
10519.450	51.77	-29.65	37.81	43.62	68.30	16.53	H
15780.200	51.65	-24.20	40.44	35.41	74.00	22.35	V
16940.150	56.77	-23.01	42.12	37.66	68.30	11.53	V
17245.400	56.33	-22.83	41.90	37.26	68.30	11.97	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)
5121.600	55.24	-23.36	34.25	44.35	68.30	13.06	H
5370.600	55.20	-22.29	34.35	43.14	68.30	13.10	H
10563.450	52.33	-29.43	37.83	43.94	68.30	15.97	H
15840.150	52.19	-24.06	40.51	35.74	74.00	21.81	V
16940.700	56.82	-23.01	42.12	37.72	68.30	11.48	H
17324.600	56.57	-22.86	41.81	37.63	68.30	11.73	V

Channel 64

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5351.311	63.75	-22.29	34.34	51.70	74.00	10.25	V
5352.459	62.70	-22.29	34.34	50.65	74.00	11.30	H
10638.800	51.12	-29.30	37.86	42.56	74.00	22.88	H
15960.050	51.74	-23.82	40.65	34.91	74.00	22.26	V
16920.350	56.06	-23.01	42.09	36.98	68.30	12.24	H
17213.500	55.88	-22.88	41.94	36.82	68.30	12.42	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)
5459.860	54.45	-22.69	34.38	42.76	74.00	19.55	H
5458.465	54.77	-22.69	34.38	43.08	74.00	19.23	V
11000.150	47.54	-29.87	38.00	39.42	74.00	26.46	H
16500.150	53.84	-23.16	41.50	35.50	68.30	14.46	H
17531.950	56.80	-22.69	41.59	37.89	68.30	11.50	V
17901.000	57.44	-22.62	41.52	38.54	74.00	16.56	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)
5541.400	54.25	-22.61	34.48	42.39	68.30	14.05	V
5666.800	53.51	-22.84	34.71	41.64	68.30	14.79	V
11199.800	45.77	-30.43	38.08	38.11	74.00	28.23	V
16799.900	54.02	-23.00	41.92	35.10	68.30	14.28	H
17732.150	57.76	-22.25	41.55	38.46	74.00	16.24	H
17910.350	57.25	-22.64	41.52	38.37	74.00	16.75	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.312	66.59	-22.98	34.82	54.75	68.30	1.71	V
5727.613	66.82	-22.98	34.82	54.98	68.30	1.48	H
11400.000	47.48	-29.72	38.16	39.04	74.00	26.52	H
17100.200	56.15	-23.04	42.08	37.11	68.30	12.15	V
17591.900	57.40	-22.29	41.58	38.11	68.30	10.90	V
17981.850	57.13	-22.79	41.50	38.42	74.00	16.87	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)
5632.600	53.43	-22.84	34.65	41.63	68.30	14.87	V
5787.800	54.34	-22.85	34.93	42.26	68.30	13.96	H
11440.150	47.95	-29.46	38.18	39.23	74.00	26.05	H
17160.150	54.78	-22.97	42.01	35.74	68.30	13.52	H
17737.650	57.45	-22.27	41.55	38.17	74.00	16.55	H
17898.800	57.54	-22.62	41.52	38.64	74.00	16.46	H

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5145.092	68.20	-23.28	34.26	57.22	74.00	5.80	V
5149.450	69.30	-23.27	34.26	58.31	74.00	4.70	H
10359.950	48.87	-29.67	37.63	40.91	68.30	19.43	V
15539.850	51.00	-24.49	40.15	35.34	74.00	23.00	H
16883.500	56.70	-23.00	42.04	37.66	68.30	11.60	V
17510.500	56.78	-22.83	41.60	38.01	68.30	11.52	H

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5077.200	55.23	-23.54	34.23	44.54	68.30	13.07	H
5360.000	54.55	-22.29	34.35	42.50	68.30	13.75	H
10397.900	51.07	-29.33	37.68	42.72	68.30	17.23	V
15599.800	51.43	-24.52	40.22	35.73	74.00	22.57	V
17021.000	56.98	-23.02	42.17	37.83	68.30	11.32	V
17547.350	56.95	-22.59	41.59	37.94	68.30	11.35	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)
5114.400	54.96	-23.39	34.25	44.10	74.00	19.04	V
5352.600	55.51	-22.29	34.34	43.46	74.00	18.49	H
10479.850	51.90	-29.57	37.78	43.69	68.30	16.40	V
15720.250	50.97	-24.36	40.37	34.96	74.00	23.03	H
17335.050	56.65	-22.89	41.80	37.74	68.30	11.65	V
17502.250	56.90	-22.89	41.60	38.19	68.30	11.40	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)
5121.200	54.75	-23.36	34.25	43.86	74.00	19.25	H
5361.000	55.11	-22.29	34.35	43.05	74.00	18.89	V
10518.350	50.96	-29.66	37.81	42.81	68.30	17.34	H
15780.200	51.55	-24.20	40.44	35.30	74.00	22.45	H
16933.550	57.43	-23.01	42.11	38.33	68.30	10.87	V
17290.500	57.52	-22.78	41.85	38.46	68.30	10.77	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)
5097.200	54.71	-23.45	34.24	43.92	68.30	13.59	H
5398.400	56.03	-22.30	34.36	43.97	68.30	12.27	V
15568.500	51.38	-24.50	40.18	35.70	68.30	16.92	H
15840.150	51.83	-24.06	40.51	35.38	74.00	22.17	V
16912.100	57.10	-23.01	42.08	38.03	68.30	11.20	H
17255.300	55.95	-22.82	41.89	36.87	68.30	12.35	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)
5350.353	64.05	-22.29	34.34	52.00	74.00	9.95	H
5351.352	64.10	-22.29	34.34	52.05	74.00	9.90	V
10640.450	51.57	-29.31	37.86	43.02	74.00	22.43	V
15960.050	53.30	-23.82	40.65	36.47	74.00	20.70	H
16812.550	56.58	-23.00	41.94	37.64	68.30	11.72	V
17238.250	55.97	-22.84	41.91	36.90	68.30	12.33	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)
5458.015	59.85	-22.70	34.38	48.16	74.00	14.15	V
5458.735	60.96	-22.69	34.38	49.27	74.00	13.04	H
11000.150	46.60	-29.87	38.00	38.47	74.00	27.40	V
16500.150	54.41	-23.16	41.50	36.08	68.30	13.89	H
17739.850	58.04	-22.27	41.55	38.76	74.00	15.96	V
17938.950	57.65	-22.70	41.51	38.84	74.00	16.35	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)
5452.200	53.49	-22.70	34.38	41.81	68.30	14.81	V
5454.800	53.59	-22.70	34.38	41.90	68.30	14.71	V
11199.800	46.66	-30.43	38.08	39.01	74.00	27.34	H
16799.900	54.35	-23.00	41.92	35.42	68.30	13.95	H
17256.400	57.17	-22.81	41.89	38.09	68.30	11.13	H
17684.300	56.98	-22.14	41.56	37.56	68.30	11.32	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.262	62.25	-22.98	34.82	50.41	68.30	6.05	H
5725.712	61.34	-22.98	34.82	49.50	68.30	6.96	H
11400.000	45.81	-29.72	38.16	37.37	74.00	28.19	V
17100.200	53.73	-23.04	42.08	34.69	68.30	14.57	H
17651.300	57.03	-22.06	41.57	37.53	68.30	11.27	V
17931.250	57.23	-22.68	41.51	38.39	74.00	16.77	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)
5641.600	53.05	-22.84	34.66	41.23	68.30	15.25	V
5779.200	53.66	-22.88	34.91	41.63	68.30	14.64	V
11440.150	47.09	-29.46	38.18	38.37	74.00	26.91	V
17160.150	54.15	-22.97	42.01	35.11	68.30	14.15	V
17760.750	57.96	-22.32	41.55	38.73	74.00	16.04	H
17831.700	57.45	-22.48	41.53	38.40	74.00	16.55	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)
5148.733	67.56	-23.27	34.26	56.57	74.00	6.44	H
5149.975	68.60	-23.27	34.26	57.61	74.00	5.40	H
10377.550	47.98	-29.52	37.66	39.84	68.30	20.31	V
15570.100	50.50	-24.50	40.19	34.82	74.00	23.50	H
16801.000	55.56	-23.00	41.92	36.64	68.30	12.74	H
17517.650	56.57	-22.79	41.60	37.76	68.30	11.73	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)
5143.800	55.96	-23.29	34.26	44.99	74.00	18.04	V
5354.200	54.08	-22.29	34.34	42.03	74.00	19.92	V
10457.850	48.42	-29.48	37.75	40.15	68.30	19.88	V
15690.000	51.40	-24.44	40.33	35.50	74.00	22.60	H
16922.550	56.31	-23.01	42.09	37.22	68.30	11.99	V
17439.550	57.10	-23.13	41.67	38.56	68.30	11.20	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)
5123.600	52.89	-23.35	34.25	41.99	74.00	21.11	V
5369.200	54.18	-22.29	34.35	42.12	74.00	19.82	V
10542.550	49.44	-29.53	37.82	41.16	68.30	18.86	H
15809.900	51.22	-24.12	40.47	34.87	74.00	22.78	V
16628.850	56.09	-23.30	41.68	37.71	68.30	12.21	H
17217.900	57.03	-22.88	41.94	37.97	68.30	11.27	H

Channel 62

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5350.596	68.04	-22.29	34.34	55.99	74.00	5.96	V
5351.703	68.24	-22.29	34.34	56.19	74.00	5.76	V
10621.200	48.34	-29.20	37.85	39.70	74.00	25.66	V
15929.800	53.04	-23.88	40.62	36.31	74.00	20.96	H
16925.300	57.40	-23.01	42.10	38.31	68.30	10.90	V
17144.200	56.61	-22.99	42.03	37.58	68.30	11.69	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5457.895	58.44	-22.70	34.38	46.75	74.00	15.56	V
5458.840	58.38	-22.69	34.38	46.69	74.00	15.62	V
11019.950	46.92	-29.83	38.01	38.74	74.00	27.08	H
16529.850	53.63	-23.21	41.54	35.30	68.30	14.67	H
17715.100	57.09	-22.21	41.56	37.75	74.00	16.91	V
17890.000	56.83	-22.60	41.52	37.90	74.00	17.17	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)
5506.000	56.33	-22.63	34.41	44.55	68.30	11.97	V
5671.800	56.50	-22.84	34.72	44.62	68.30	11.80	H
11180.000	47.57	-30.45	38.07	39.95	74.00	26.43	V
16770.200	53.76	-23.01	41.88	34.89	68.30	14.54	H
17734.350	56.89	-22.26	41.55	37.59	74.00	17.11	H
17915.300	56.70	-22.65	41.52	37.84	74.00	17.30	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)
5728.562	61.68	-22.98	34.82	49.84	68.30	6.62	H
5731.163	61.13	-22.98	34.83	49.28	68.30	7.17	V
11340.050	46.70	-30.03	38.14	38.59	74.00	27.30	H
17010.000	55.36	-23.02	42.19	36.19	68.30	12.94	V
17746.450	56.94	-22.29	41.55	37.67	74.00	17.06	V
17968.100	57.28	-22.76	41.51	38.53	74.00	16.72	H

Channel 142

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5605.800	53.73	-22.81	34.60	41.94	68.30	14.57	V
5831.200	54.76	-22.53	35.00	42.29	68.30	13.54	H
11419.800	46.69	-29.59	38.17	38.11	74.00	27.31	V
17129.900	55.71	-23.02	42.04	36.68	68.30	12.59	H
17659.000	56.49	-22.08	41.57	37.01	68.30	11.81	V
17896.050	56.65	-22.61	41.52	37.74	74.00	17.35	H

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Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5149.188	68.39	-23.27	34.26	57.40	74.00	5.61	H
5149.835	68.39	-23.27	34.26	57.40	74.00	5.61	H
10357.200	49.03	-29.70	37.63	41.09	68.30	19.27	V
15539.850	51.70	-24.49	40.15	36.04	74.00	22.30	H
16947.850	56.48	-23.01	42.13	37.36	68.30	11.82	H
17522.050	57.60	-22.76	41.60	38.76	68.30	10.70	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)
5098.400	54.55	-23.45	34.24	43.75	68.30	13.75	V
5366.800	54.60	-22.29	34.35	42.54	68.30	13.70	V
10406.700	50.11	-29.26	37.69	41.68	68.30	18.19	H
15998.000	51.46	-23.71	40.70	34.47	74.00	22.54	H
16990.750	56.67	-23.02	42.19	37.50	68.30	11.63	H
17530.300	56.20	-22.70	41.59	37.31	68.30	12.10	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)
5148.000	54.51	-23.28	34.26	43.53	74.00	19.49	H
5350.200	54.85	-22.29	34.34	42.80	74.00	19.15	H
10482.050	50.46	-29.58	37.78	42.26	68.30	17.84	H
15720.250	51.22	-24.36	40.37	35.21	74.00	22.78	V
16642.050	55.56	-23.28	41.70	37.14	68.30	12.74	V
16992.400	56.34	-23.02	42.19	37.17	68.30	11.95	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)
5121.200	52.59	-23.36	34.25	41.70	74.00	21.41	H
5370.400	53.48	-22.29	34.35	41.42	74.00	20.52	V
10567.000	50.84	-29.41	37.83	42.42	68.30	17.46	V
15780.200	51.33	-24.20	40.44	35.09	74.00	22.67	V
16941.800	57.11	-23.01	42.12	38.00	68.30	11.19	V
17160.150	56.09	-22.97	42.01	37.05	68.30	12.21	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)
5119.800	52.74	-23.37	34.25	41.86	68.30	15.56	V
5382.600	53.87	-22.29	34.35	41.80	68.30	14.43	V
10560.700	50.75	-29.44	37.82	42.37	68.30	17.55	V
15840.150	51.31	-24.06	40.51	34.86	74.00	22.69	V
16925.300	57.10	-23.01	42.10	38.01	68.30	11.20	H
17226.700	56.54	-22.86	41.93	37.47	68.30	11.76	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)
5351.474	58.67	-22.29	34.34	46.62	74.00	15.33	H
5354.444	58.63	-22.29	34.34	46.58	74.00	15.37	V
10637.150	50.06	-29.29	37.86	41.49	74.00	23.94	V
15960.050	51.32	-23.82	40.65	34.49	74.00	22.68	V
16899.450	56.30	-23.01	42.06	37.25	68.30	12.00	V
17243.200	56.92	-22.84	41.91	37.85	68.30	11.38	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)
5451.295	56.90	-22.70	34.38	45.22	74.00	17.10	V
5457.340	57.64	-22.70	34.38	45.95	74.00	16.36	H
11000.150	46.66	-29.87	38.00	38.54	74.00	27.34	H
16500.150	54.18	-23.16	41.50	35.84	68.30	14.12	H
17095.250	57.10	-23.04	42.08	38.06	68.30	11.20	V
17924.650	57.41	-22.67	41.51	38.57	74.00	16.59	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)
5394.200	54.72	-22.29	34.36	42.65	68.30	13.58	H
5394.800	54.63	-22.29	34.36	42.56	68.30	13.66	H
11199.800	46.42	-30.43	38.08	38.77	74.00	27.58	H
16799.900	53.71	-23.00	41.92	34.79	68.30	14.59	H
17632.050	57.06	-22.03	41.57	37.51	68.30	11.24	H
17814.650	57.18	-22.44	41.54	38.09	74.00	16.82	V

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.012	64.96	-22.97	34.81	53.12	68.30	3.34	H
5725.400	64.52	-22.98	34.82	52.68	68.30	3.78	H
11400.000	47.67	-29.72	38.16	39.23	74.00	26.33	H
17100.200	54.26	-23.04	42.08	35.22	68.30	14.04	V
17769.500	57.17	-22.34	41.55	37.96	74.00	16.83	H
17947.200	57.10	-22.72	41.51	38.31	74.00	16.90	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)
5619.800	53.88	-22.85	34.62	42.10	68.30	14.42	H
5811.400	53.88	-22.68	34.97	41.59	68.30	14.41	H
11440.150	47.75	-29.46	38.18	39.04	74.00	26.25	V
17160.150	53.70	-22.97	42.01	34.66	68.30	14.60	H
17484.650	57.22	-23.00	41.62	38.61	68.30	11.08	H
17744.250	56.69	-22.28	41.55	37.42	74.00	17.31	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)
5148.190	66.89	-23.28	34.26	55.91	74.00	7.11	V
5149.485	67.72	-23.27	34.26	56.73	74.00	6.28	H
10385.800	47.92	-29.44	37.67	39.70	68.30	20.38	H
15570.100	51.15	-24.50	40.19	35.47	74.00	22.85	H
16991.850	56.81	-23.02	42.19	37.64	68.30	11.49	H
17497.850	56.40	-22.92	41.60	37.72	68.30	11.90	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)
5148.000	53.73	-23.28	34.26	42.75	74.00	20.27	H
5352.400	54.46	-22.29	34.34	42.41	74.00	19.54	H
10455.650	49.19	-29.47	37.75	40.91	68.30	19.11	H
15690.000	51.02	-24.44	40.33	35.13	74.00	22.98	V
16937.950	56.50	-23.01	42.11	37.39	68.30	11.80	H
17454.400	56.94	-23.17	41.65	38.46	68.30	11.36	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)
5135.400	53.19	-23.31	34.26	42.24	74.00	20.81	V
5391.600	54.38	-22.29	34.36	42.31	74.00	19.62	H
10528.250	50.12	-29.61	37.81	41.92	68.30	18.18	H
15809.900	51.02	-24.12	40.47	34.67	74.00	22.98	H
16807.600	56.54	-23.00	41.93	37.60	68.30	11.76	H
16983.050	56.46	-23.02	42.18	37.30	68.30	11.84	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)
5351.325	69.88	-22.29	34.34	57.83	74.00	4.12	H
5351.959	69.96	-22.29	34.34	57.91	74.00	4.04	H
10617.900	49.51	-29.18	37.85	40.84	74.00	24.49	H
15929.800	52.46	-23.88	40.62	35.72	74.00	21.54	V
16772.950	55.66	-23.00	41.88	36.77	68.30	12.64	H
17022.620	57.18	-23.02	42.17	38.03	68.30	11.12	H

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5459.215	65.49	-22.69	34.38	53.80	74.00	8.51	V
5459.620	66.48	-22.69	34.38	54.79	74.00	7.52	H
11019.950	46.45	-29.83	38.01	38.28	68.30	21.84	H
16529.850	53.27	-23.21	41.54	34.94	68.30	15.03	V
17446.150	57.16	-23.15	41.66	38.65	68.30	11.14	V
17733.250	57.60	-22.26	41.55	38.30	68.30	10.70	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)
5500.400	56.41	-22.64	34.40	44.65	74.00	17.59	V
5673.800	57.06	-22.84	34.72	45.18	68.30	11.24	V
11180.000	45.58	-30.45	38.07	37.96	74.00	28.42	V
16770.200	54.80	-23.01	41.88	35.93	68.30	13.50	H
17525.900	57.56	-22.73	41.59	38.70	68.30	10.74	H
17856.450	57.24	-22.53	41.53	38.24	74.00	16.76	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)
5726.113	61.63	-22.98	34.82	49.79	68.30	6.67	V
5726.887	62.52	-22.98	34.82	50.68	68.30	5.78	H
11340.050	45.73	-30.03	38.14	37.63	74.00	28.27	H
17010.000	54.52	-23.02	42.19	35.35	68.30	13.78	V
17723.900	57.06	-22.23	41.55	37.74	74.00	16.94	V
17973.600	57.59	-22.77	41.51	38.85	74.00	16.41	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)
5590.200	53.69	-22.74	34.57	41.87	68.30	14.61	V
5807.600	54.70	-22.71	34.96	42.45	68.30	13.60	H
11419.800	46.95	-29.59	38.17	38.37	74.00	27.05	V
17129.900	55.35	-23.02	42.04	36.33	68.30	12.95	H
17621.050	56.66	-22.10	41.58	37.18	68.30	11.64	H
17858.650	57.02	-22.53	41.53	38.02	74.00	16.98	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)
5147.683	70.2	-23.3	34.3	59.20	74.0	3.8	H
5149.100	71.2	-23.3	34.3	60.10	74.0	2.8	V
10434.200	47.8	-29.4	37.5	39.59	68.3	20.5	V
15630.050	50.7	-24.5	40.4	34.92	74.0	23.3	V
16963.250	56.5	-23.0	41.7	37.85	68.3	11.8	V
17090.300	57.3	-23.0	41.6	38.68	68.3	11.0	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)
5350.947	69.2	-22.3	34.5	56.97	74.0	4.8	H
5354.498	69.3	-22.3	34.5	57.07	74.0	4.7	V
10579.950	47.1	-29.3	37.6	38.80	68.3	21.2	H
15869.850	51.8	-24.0	40.6	35.16	68.3	16.5	H
17700.250	57.5	-22.2	41.2	38.43	74.0	16.5	V
17941.700	57.5	-22.7	41.3	38.93	74.0	16.5	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)
5459.050	68.3	-22.7	34.6	56.46	74.0	5.7	H
5459.905	69.1	-22.7	34.6	57.22	74.0	4.9	H
11060.100	47.0	-29.9	38.0	38.86	74.0	27.0	V
16589.800	53.9	-23.3	41.5	35.77	68.3	14.4	V
17498.400	56.8	-22.9	41.2	38.56	68.3	11.5	H
17846.000	57.1	-22.5	41.3	38.29	74.0	17.0	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)
5726.688	57.8	-23.0	34.9	45.94	74.0	16.2	V
5728.988	58.3	-23.0	34.9	46.44	74.0	15.7	V
11220.150	46.2	-30.4	38.2	38.44	74.0	27.8	V
16830.150	54.5	-23.0	41.6	35.95	68.3	13.8	V
17725.550	56.8	-22.2	41.2	37.79	74.0	17.2	H
17907.600	57.1	-22.6	41.3	38.45	74.0	16.9	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)
5560.000	54.1	-22.6	34.7	42.02	68.3	14.2	H
5811.800	54.9	-22.7	35.0	42.56	68.3	13.4	H
11380.200	46.4	-29.8	38.4	37.91	74.0	27.6	H
17069.950	55.2	-23.0	41.6	36.59	68.3	13.1	V
17612.800	57.6	-22.2	41.2	38.56	68.3	10.7	V
17946.650	57.4	-22.7	41.3	38.86	74.0	16.6	H

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

Method of Measurement:

See Clause 6.2 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

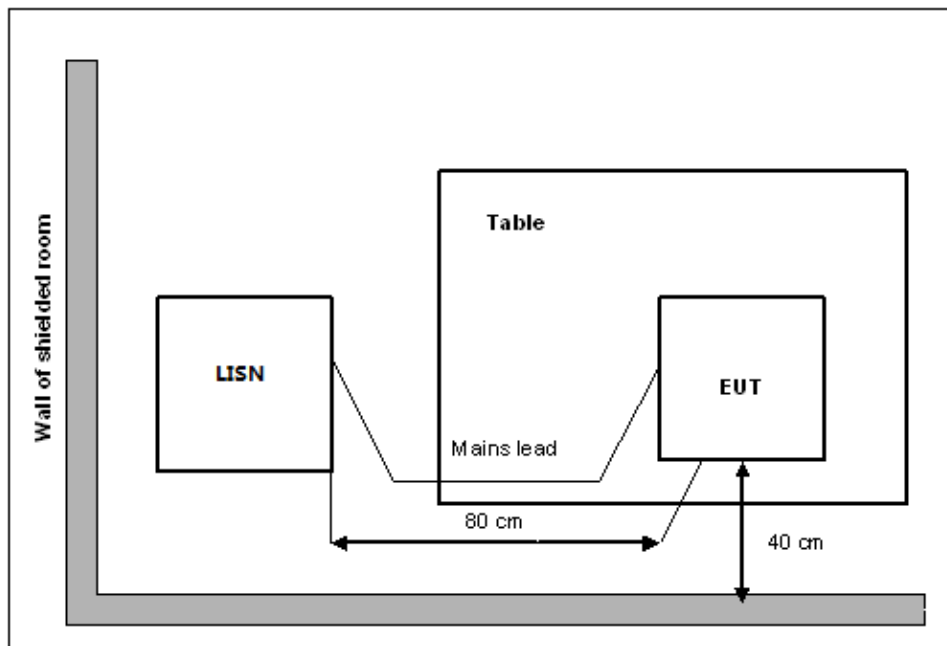
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/VBW
0.15-30	9kHz

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



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: