

Fig.44 Band Edges (802.11n-HT40 Ch102, 5510MHz)

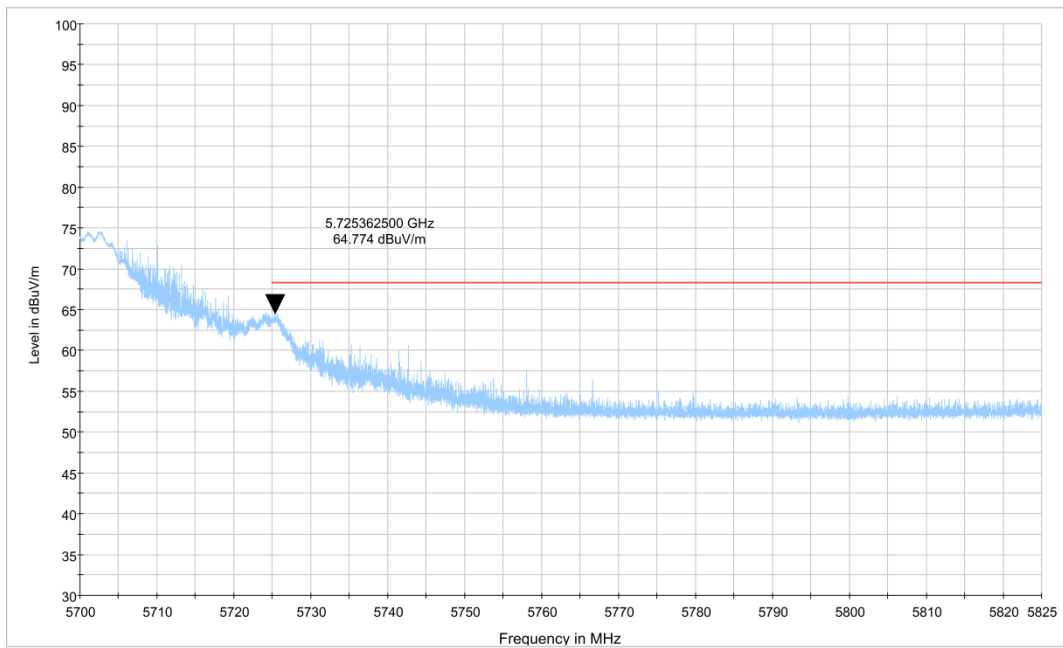


Fig.45 Band Edges (802.11n-HT40 Ch134, 5670MHz)

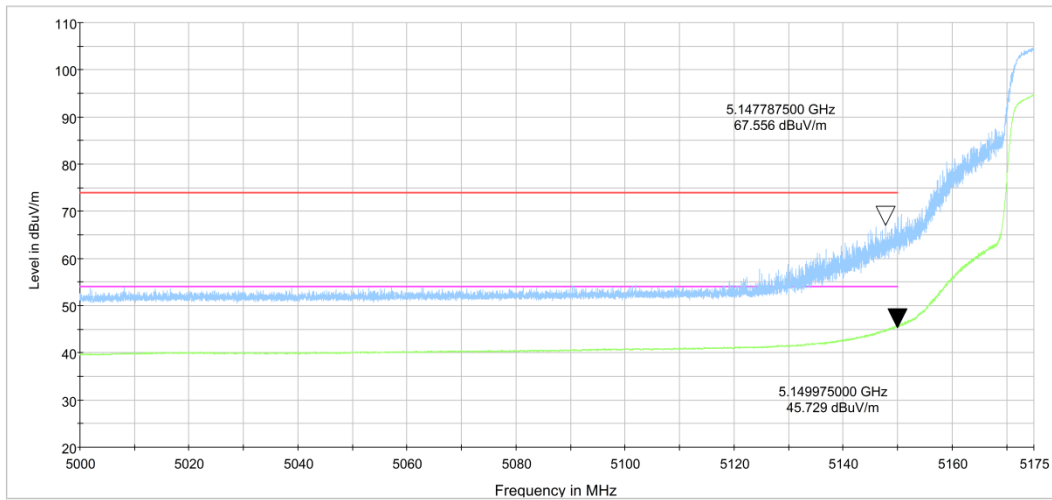


Fig.46 Band Edges (802.11ac-HT20 Ch36, 5180MHz)

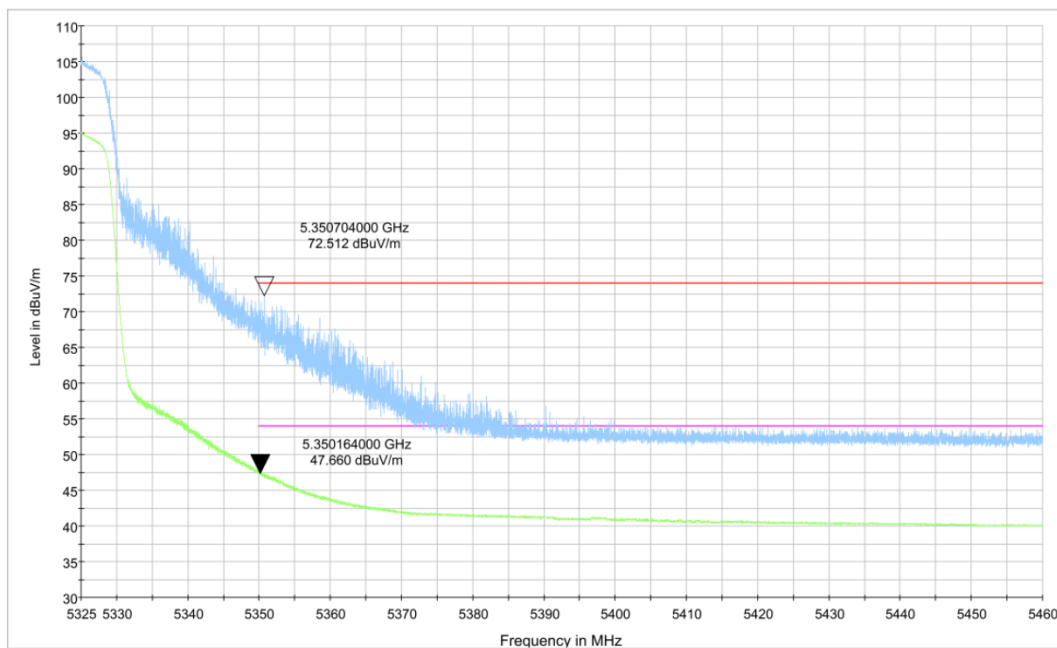


Fig.47 Band Edges (802.11ac-HT20 Ch64, 5320MHz)

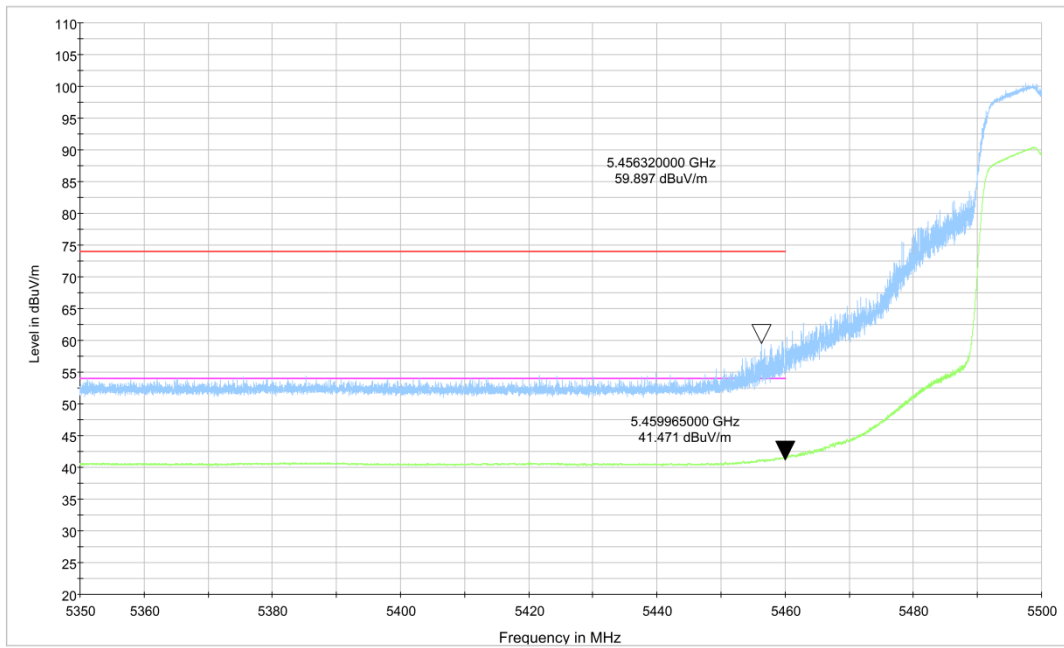


Fig.48 Band Edges (802.11ac-HT20 Ch100, 5500MHz)

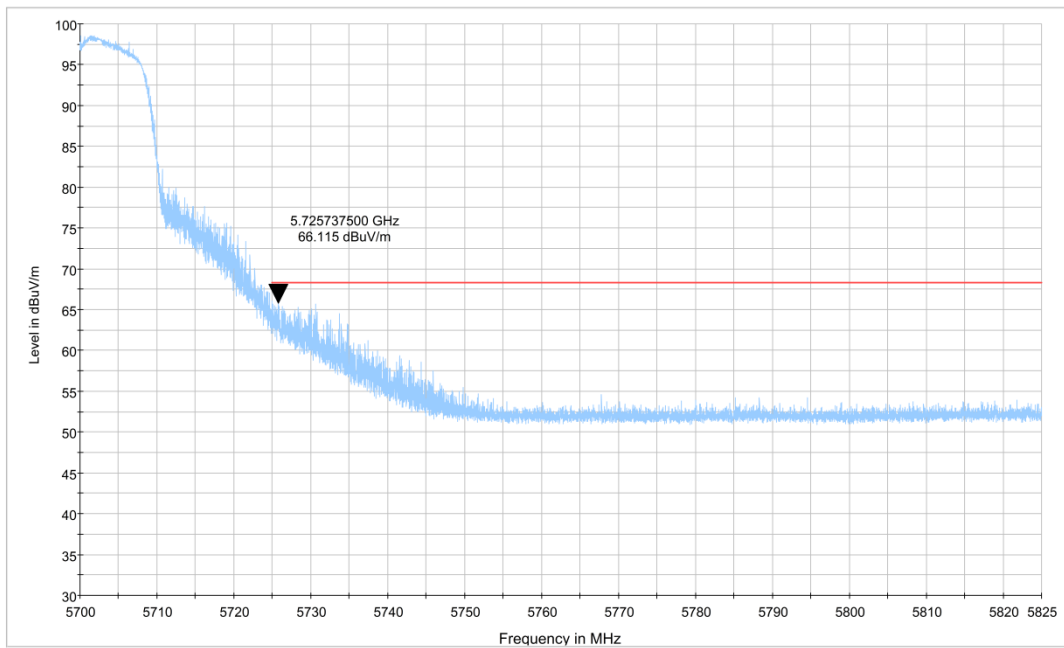


Fig.49 Band Edges (802.11ac-HT20 Ch140, 5700MHz)

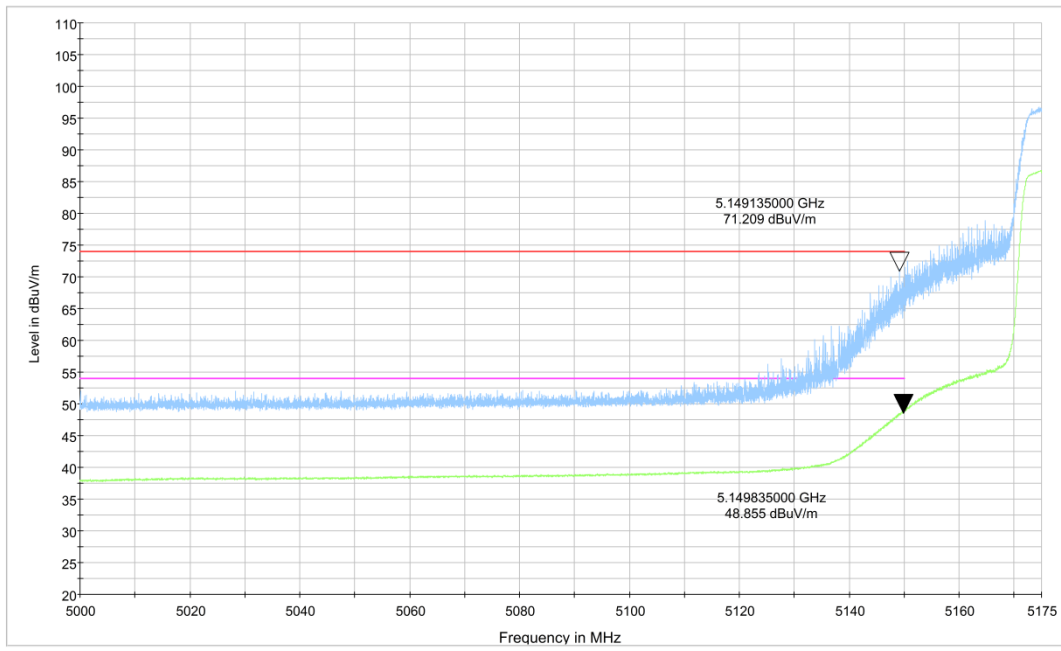


Fig.50 Band Edges (802.11ac-HT40 Ch38, 5190MHz)

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

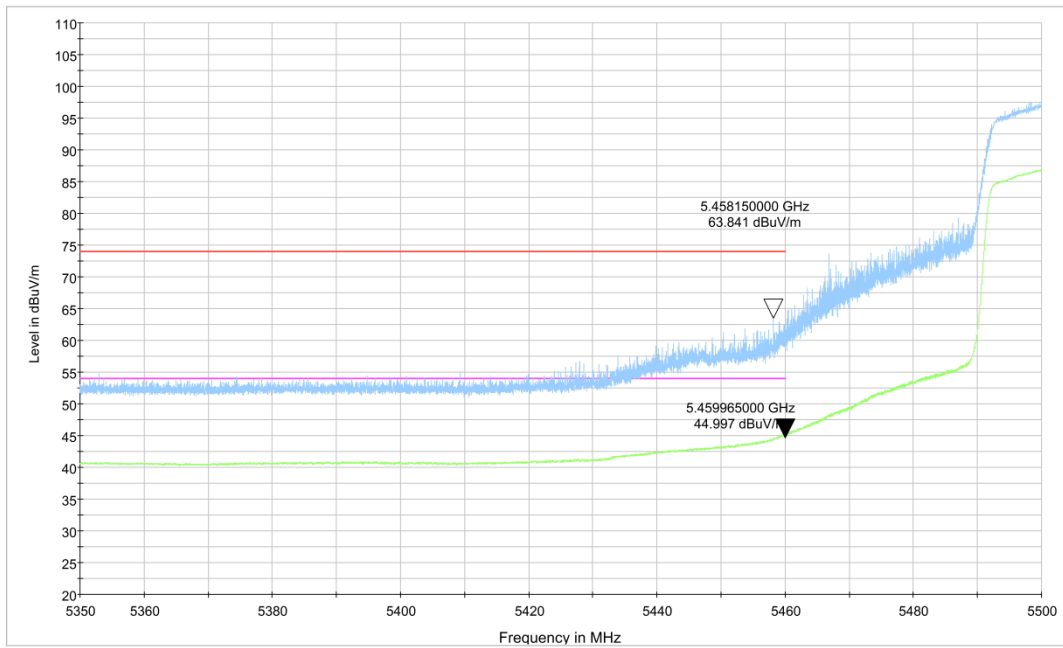


Fig.52 Band Edges (802.11ac-HT40 Ch102, 5510MHz)

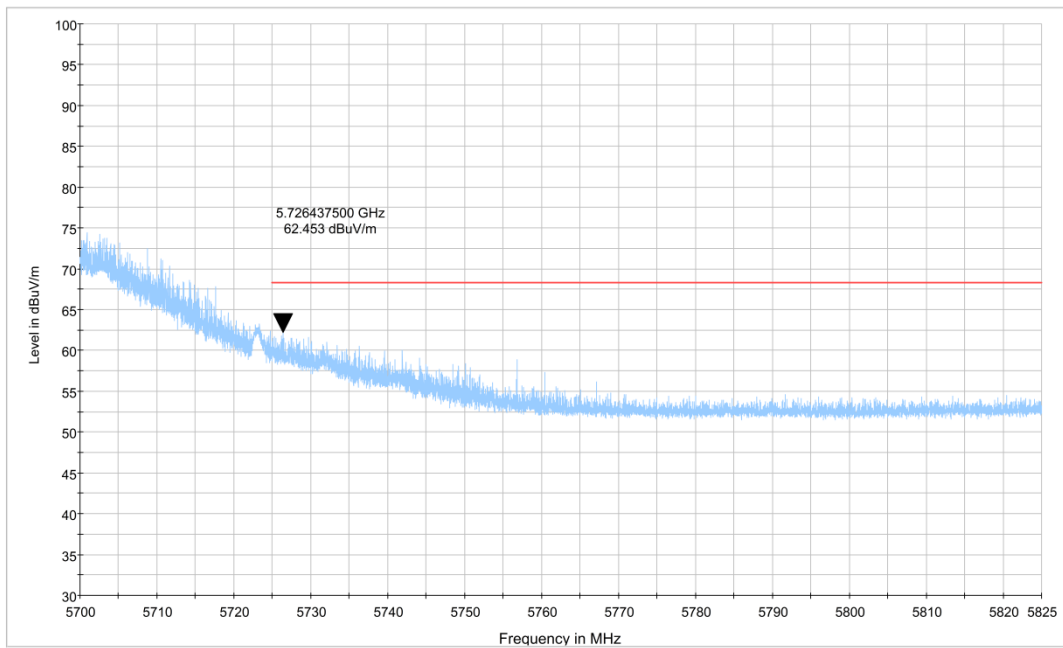


Fig.53 Band Edges (802.11ac-HT40 Ch134, 5670MHz)

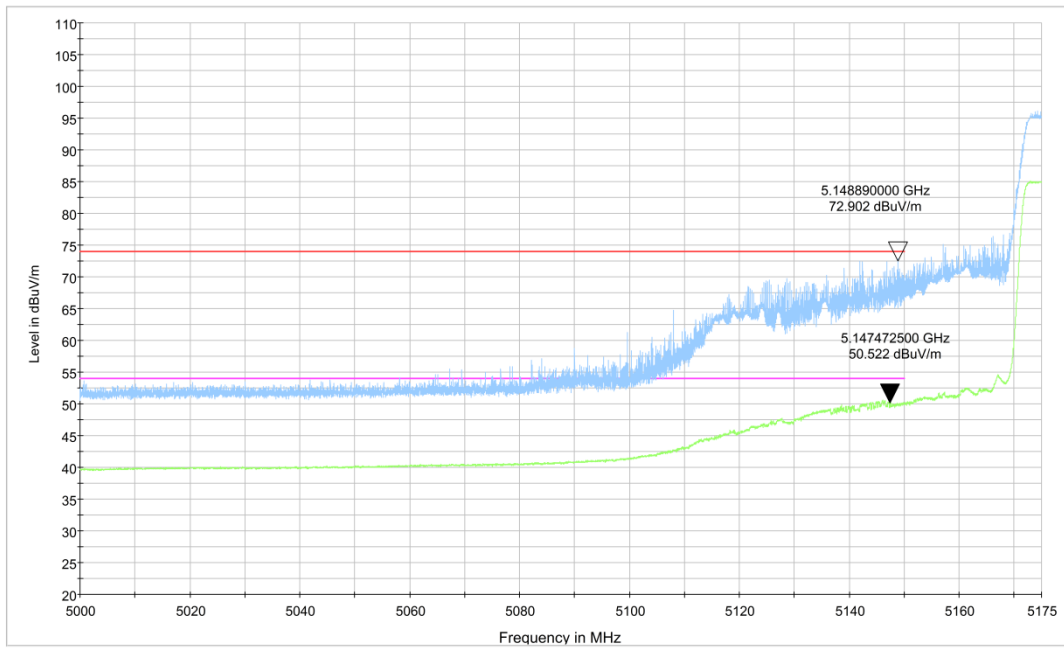


Fig.54 Band Edges (802.11ac-HT80 Ch42 , 5210MHz)

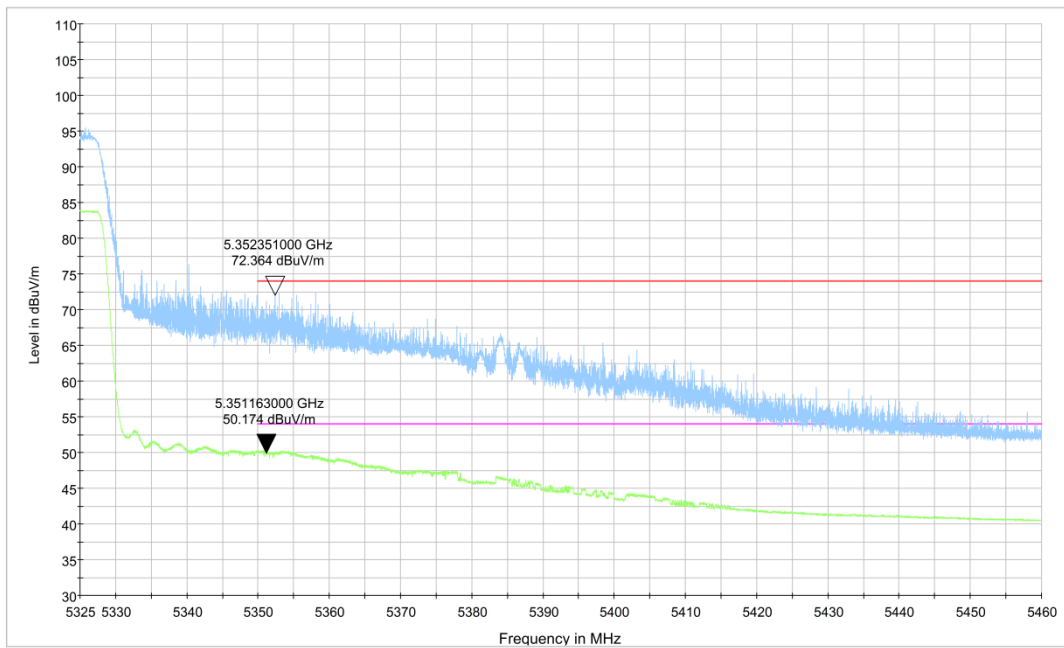


Fig.55 Band Edges (802.11ac-HT80 Ch58, 5290MHz)

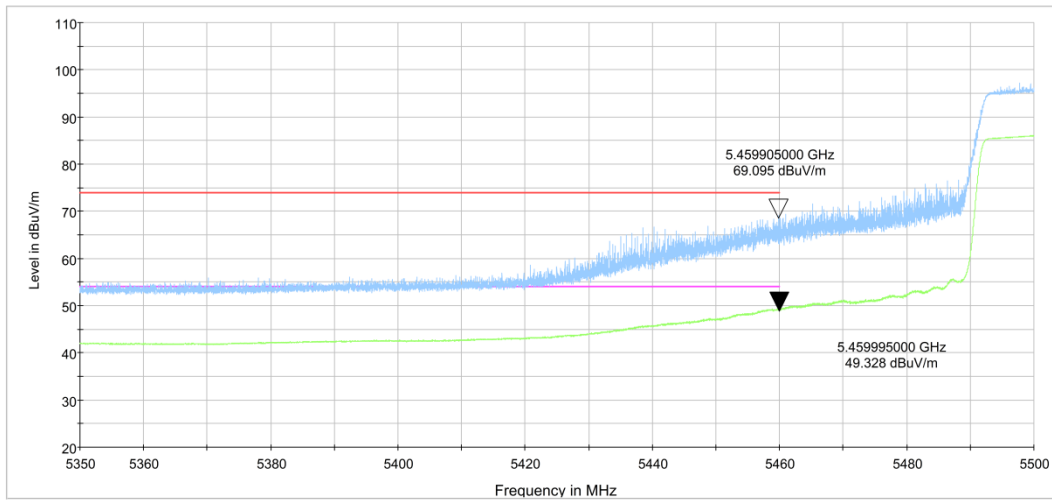


Fig.56 Band Edges (802.11ac-HT80 Ch106, 5530MHz)

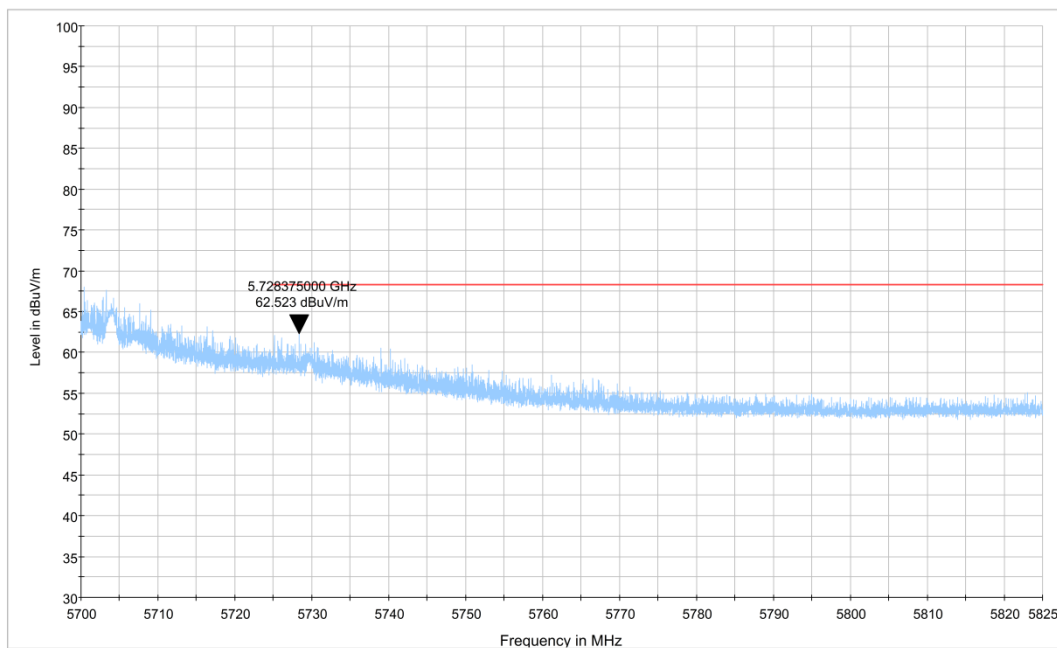


Fig.57 Band Edges (802.11ac-HT80 Ch122, 5610MHz)

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

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

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

AVERAGE Results:
802.11a

Channel 36

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5148.800	39.52	-23.27	34.26	28.53	54.00	14.48	V
5150.000	39.77	-23.27	34.26	28.78	54.00	14.23	V
11010.400	31.49	-29.85	38.00	23.34	54.00	22.51	V
15540.000	34.86	-24.49	40.15	19.20	54.00	19.14	H
17960.000	37.62	-22.74	41.51	18.85	54.00	16.38	V
17923.200	38.01	-22.67	41.52	19.16	54.00	15.99	V

Channel 40

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5138.800	37.87	-23.30	34.26	26.91	54.00	16.13	V
5356.800	38.13	-22.29	34.34	26.08	54.00	15.87	V
11084.000	30.79	-30.01	38.03	22.77	54.00	23.21	V
15600.000	34.42	-24.52	40.22	18.72	54.00	19.58	V
17904.000	37.62	-22.63	41.52	18.73	54.00	16.38	H
17949.600	37.36	-22.72	41.51	18.57	54.00	16.64	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)
5364.000	39.86	-22.29	34.35	27.80	54.00	14.14	V
5361.600	38.21	-22.29	34.35	26.15	54.00	15.79	V
11017.600	31.11	-29.84	38.01	22.94	54.00	22.89	H
15720.000	34.12	-24.36	40.37	18.11	54.00	19.88	V
17841.600	37.06	-22.50	41.53	18.03	54.00	16.94	H
17927.200	37.49	-22.67	41.51	18.65	54.00	16.51	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)
5120.000	36.08	-23.37	34.25	25.20	54.00	17.92	V
5389.600	36.68	-22.29	34.36	24.61	54.00	17.32	V
11013.600	31.19	-29.85	38.01	23.03	54.00	22.81	H
15780.000	34.40	-24.20	40.44	18.16	54.00	19.60	H
17815.200	37.28	-22.44	41.54	18.19	54.00	16.72	H
17898.400	37.65	-22.62	41.52	18.74	54.00	16.35	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)
5140.400	35.97	-23.30	34.26	25.01	54.00	18.03	V
5358.000	37.08	-22.29	34.35	25.03	54.00	16.92	V
10914.400	29.81	-29.96	37.97	21.80	54.00	24.19	V
15840.000	35.08	-24.06	40.51	18.63	54.00	18.92	H
17831.200	37.12	-22.48	41.53	18.06	54.00	16.88	V
17919.200	37.41	-22.66	41.52	18.55	54.00	16.59	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)
5349.200	43.86	-22.29	34.34	31.81	54.00	10.14	V
5350.800	43.73	-22.29	34.34	31.68	54.00	10.27	V
10640.000	29.88	-29.30	37.86	21.32	54.00	24.12	H
15960.000	35.12	-23.82	40.65	18.28	54.00	18.88	V
17760.800	37.32	-22.32	41.55	18.09	54.00	16.68	H
17842.400	37.26	-22.50	41.53	18.23	54.00	16.74	V

Channel 100

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5457.900	40.05	-22.70	34.38	28.36	54.00	13.95	V
5460.000	40.37	-22.69	34.38	28.67	54.00	13.63	V
11000.000	31.80	-29.87	38.00	23.68	54.00	22.20	H
16138.400	36.08	-23.31	40.92	18.47	54.00	17.92	H
17743.200	37.84	-22.28	41.55	18.57	54.00	16.16	H
17904.000	38.15	-22.63	41.52	19.26	54.00	15.85	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)
5358.000	34.41	-22.29	34.35	22.36	54.00	19.59	V
5366.400	36.31	-22.29	34.35	24.25	54.00	17.69	V
11200.000	30.98	-30.43	38.08	23.33	54.00	23.02	H
16143.200	36.07	-23.31	40.93	18.45	54.00	17.93	V
17762.400	37.57	-22.32	41.55	18.35	54.00	16.43	V
17910.400	38.01	-22.64	41.52	19.13	54.00	15.99	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)
5353.200	36.45	-22.29	34.34	24.40	48.30	11.85	V
5366.000	36.40	-22.29	34.35	24.34	48.30	11.90	V
11400.000	31.62	-29.72	38.16	23.18	48.30	16.68	H
16149.600	36.04	-23.30	40.94	18.40	48.30	12.26	H
17743.200	37.70	-22.28	41.55	18.43	48.30	10.60	V
17899.200	38.03	-22.62	41.52	19.13	48.30	10.27	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)
5352.000	38.41	-22.29	34.34	26.36	48.30	9.89	V
5367.450	38.34	-22.29	34.35	26.28	48.30	9.96	V
11440.000	30.95	-29.47	38.18	22.23	48.30	17.35	V
17738.400	37.48	-22.27	41.55	18.19	48.30	10.82	H
17831.200	37.44	-22.48	41.53	18.38	48.30	10.86	H

17926.400	37.72	-22.67	41.51	18.88	48.30	10.58	V
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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)
5144.000	43.15	-23.29	34.26	32.18	54.00	10.85	V
5149.600	45.29	-23.27	34.26	34.30	54.00	8.71	V
11835.600	31.52	-29.23	38.54	22.21	54.00	22.48	V
15540.000	34.92	-24.49	40.15	19.26	54.00	19.08	H
17958.500	37.66	-22.74	41.51	18.89	54.00	16.34	H
17926.800	38.02	-22.67	41.51	19.18	54.00	15.98	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)
5139.600	37.96	-23.30	34.26	27.00	54.00	16.04	V
5361.600	38.12	-22.29	34.35	26.07	54.00	15.88	V
11980.000	32.21	-29.07	38.68	22.59	54.00	21.79	H
15600.000	34.51	-24.52	40.22	18.81	54.00	19.49	H
17794.400	36.99	-22.40	41.54	17.85	54.00	17.01	H
17912.800	37.59	-22.64	41.52	18.72	54.00	16.41	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)
5356.000	38.34	-22.29	34.34	26.29	54.00	15.66	V
5381.600	38.29	-22.29	34.35	26.23	54.00	15.71	V
11826.400	32.10	-29.26	38.53	22.84	54.00	21.90	H
15720.000	34.23	-24.36	40.37	18.22	54.00	19.77	H
17831.200	37.36	-22.48	41.53	18.30	54.00	16.64	V
17917.600	37.58	-22.65	41.52	18.72	54.00	16.42	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)
5140.000	36.39	-23.30	34.26	25.43	54.00	17.61	V
5357.600	37.52	-22.29	34.34	25.46	54.00	16.48	V
11013.600	31.19	-29.85	38.01	23.03	54.00	22.81	V
15780.000	34.40	-24.20	40.44	18.16	54.00	19.60	V
17815.200	37.28	-22.44	41.54	18.19	54.00	16.72	H
17898.400	37.65	-22.62	41.52	18.74	54.00	16.35	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)
5148.500	37.60	-23.28	34.26	26.61	54.00	16.40	V
5352.600	38.32	-22.29	34.34	26.27	54.00	15.68	V
11739.200	31.73	-29.55	38.44	22.83	54.00	22.27	V
15840.000	35.11	-24.06	40.51	18.66	54.00	18.89	H
17856.000	37.48	-22.53	41.53	18.48	54.00	16.52	V
17931.200	37.75	-22.68	41.51	18.92	54.00	16.25	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	45.36	-22.29	34.34	33.31	54.00	8.64	V
5350.700	45.23	-22.29	34.34	33.18	54.00	8.77	V
10640.000	29.91	-29.30	37.86	21.36	54.00	24.09	V
15960.000	35.19	-23.82	40.65	18.35	54.00	18.81	V
17887.200	37.45	-22.59	41.52	18.52	54.00	16.55	H
17977.600	37.51	-22.78	41.50	18.79	54.00	16.49	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)
5458.800	38.82	-22.69	34.38	27.13	54.00	15.18	V
5460.000	38.90	-22.69	34.38	27.21	54.00	15.10	V
11000.000	31.51	-29.87	38.00	23.39	54.00	22.49	H
16180.000	36.01	-23.26	40.99	18.28	54.00	17.99	H
17757.600	37.70	-22.31	41.55	18.46	54.00	16.30	V
17907.200	38.02	-22.63	41.52	19.13	54.00	15.98	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)
5378.400	37.37	-22.29	34.35	25.30	54.00	16.63	V
5399.200	37.29	-22.31	34.36	25.23	54.00	16.71	V
11200.000	30.98	-30.43	38.08	23.32	54.00	23.02	V
16155.200	36.04	-23.29	40.95	18.39	54.00	17.96	H
17749.600	37.76	-22.29	41.55	18.50	54.00	16.24	V
17916.800	38.04	-22.65	41.52	19.18	54.00	15.96	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)
5382.800	37.27	-22.29	34.35	25.21	48.30	11.03	V
5410.800	37.22	-22.40	34.37	25.26	48.30	11.08	V
11400.000	31.67	-29.72	38.16	23.23	48.30	16.63	H
16181.600	36.03	-23.26	40.99	18.30	48.30	12.27	V
17752.000	37.69	-22.30	41.55	18.44	48.30	10.61	V
17921.600	38.03	-22.66	41.52	19.18	48.30	10.27	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)
5387.900	38.33	-22.29	34.36	26.25	48.30	9.97	V
5449.800	38.00	-22.70	34.38	26.32	48.30	10.30	V
11440.000	31.35	-29.47	38.18	22.64	48.30	16.95	V
16132.000	35.87	-23.32	40.91	18.27	48.30	12.43	V
17756.000	37.55	-22.31	41.55	18.31	48.30	10.75	V
17927.200	37.85	-22.67	41.51	19.01	48.30	10.45	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	49.64	-23.27	34.26	38.65	54.00	4.36	V
5150.000	49.78	-23.27	34.26	38.79	54.00	4.22	V
12333.600	32.52	-27.76	38.90	21.39	54.00	21.48	V
15570.400	34.57	-24.51	40.19	18.89	54.00	19.43	V
17824.000	37.28	-22.46	41.53	18.21	54.00	16.72	V
17912.000	37.77	-22.64	41.52	18.90	54.00	16.23	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)
5150.000	38.40	-23.27	34.26	27.41	54.00	15.60	V
5353.600	38.53	-22.29	34.34	26.48	54.00	15.47	V
11890.400	32.01	-29.18	38.59	22.60	54.00	21.99	H
15690.400	34.49	-24.44	40.33	18.60	54.00	19.51	V
17826.400	37.38	-22.47	41.53	18.31	54.00	16.62	V
17916.800	37.66	-22.65	41.52	18.79	54.00	16.34	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)
5151.200	38.67	-23.27	34.26	27.68	54.00	15.33	V
5350.800	40.96	-22.29	34.34	28.91	54.00	13.04	V
10540.000	29.77	-29.55	37.82	21.50	54.00	24.23	V
15810.400	35.02	-24.12	40.47	18.66	54.00	18.98	V
17752.000	37.44	-22.30	41.55	18.18	54.00	16.57	H

17824.800	37.36	-22.46	41.53	18.29	54.00	16.64	H
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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	46.28	-22.29	34.34	34.23	54.00	7.72	V
5350.300	45.91	-22.29	34.34	33.86	54.00	8.09	V
10620.000	30.23	-29.20	37.85	21.57	54.00	23.77	V
15930.400	34.13	-23.88	40.62	17.40	54.00	19.86	V
17754.400	37.40	-22.30	41.55	18.15	54.00	16.61	H
17828.000	37.39	-22.47	41.53	18.33	54.00	16.61	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)
5459.700	42.99	-22.69	34.38	31.30	54.00	11.01	V
5460.400	43.24	-22.69	34.38	31.55	54.00	10.76	V
11020.000	31.82	-29.83	38.01	23.65	54.00	22.18	H
16145.600	36.18	-23.30	40.94	18.55	54.00	17.82	V
17744.000	37.94	-22.28	41.55	18.66	54.00	16.07	V
17904.000	38.10	-22.63	41.52	19.21	54.00	15.89	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)
5390.500	38.26	-22.29	34.36	26.19	54.00	15.74	V
5440.900	38.20	-22.63	34.38	26.45	54.00	15.80	V
11180.000	29.89	-30.45	38.07	22.26	54.00	24.11	H
17731.200	36.92	-22.25	41.55	17.61	54.00	17.08	V
17832.000	37.03	-22.48	41.53	17.98	54.00	16.97	H
17920.800	37.29	-22.66	41.52	18.44	54.00	16.71	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)
5353.400	38.04	-22.29	34.34	25.99	48.30	10.26	V
5416.700	37.77	-22.45	34.37	25.85	48.30	10.53	V
11340.000	30.15	-30.03	38.14	22.04	48.30	18.15	V
17734.000	37.04	-22.26	41.55	17.75	48.30	11.26	V

17836.800	37.09	-22.49	41.53	18.05	48.30	11.21	V
17917.600	37.35	-22.65	41.52	18.49	48.30	10.95	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)
5458.650	38.00	-22.69	34.38	26.31	48.30	10.30	V
5436.500	38.27	-22.60	34.38	26.49	48.30	10.03	V
11420.000	31.54	-29.59	38.17	22.97	48.30	16.76	V
16144.800	36.02	-23.31	40.93	18.39	48.30	12.28	V
17762.400	37.48	-22.32	41.55	18.25	48.30	10.82	H
17916.800	37.81	-22.65	41.52	18.95	48.30	10.49	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)
5146.000	43.03	-23.28	34.26	32.05	54.00	10.97	V
5148.800	43.96	-23.27	34.26	32.98	54.00	10.04	V
11931.200	32.07	-29.17	38.63	22.60	54.00	21.93	H
15540.000	34.45	-24.49	40.15	18.79	54.00	19.55	V
17740.000	37.42	-22.27	41.55	18.14	54.00	16.58	V
17843.200	37.50	-22.50	41.53	18.47	54.00	16.50	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)
5140.800	40.14	-23.30	34.26	29.18	54.00	13.86	V
5365.200	39.92	-22.29	34.35	27.86	54.00	14.08	V
11975.200	32.19	-29.09	38.68	22.60	54.00	21.81	V
15600.000	34.42	-24.52	40.22	18.72	54.00	19.58	H
17836.800	37.26	-22.49	41.53	18.21	54.00	16.74	V
17922.400	37.50	-22.66	41.52	18.65	54.00	16.50	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)
5361.200	38.43	-22.29	34.35	26.38	54.00	15.57	V
5381.600	38.31	-22.29	34.35	26.24	54.00	15.69	V
10480.000	32.67	-29.57	37.78	24.47	54.00	21.33	V
15720.000	34.92	-24.36	40.37	18.91	54.00	19.08	V

17986.800	37.72	-22.80	41.50	19.01	54.00	16.29	V
17849.600	37.88	-22.51	41.53	18.87	54.00	16.12	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)
5150.500	37.61	-23.27	34.26	26.62	54.00	16.39	V
5352.900	38.20	-22.29	34.34	26.15	54.00	15.80	V
11000.000	31.11	-29.87	38.00	22.99	54.00	22.89	V
15780.000	34.36	-24.20	40.44	18.12	54.00	19.64	H
17783.200	37.13	-22.37	41.54	17.95	54.00	16.87	H
17824.800	37.30	-22.46	41.53	18.23	54.00	16.70	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)
5150.000	37.66	-23.27	34.26	26.67	54.00	16.34	V
5351.850	38.40	-22.29	34.34	26.34	54.00	15.61	V
11050.400	31.17	-29.80	38.02	22.95	54.00	22.83	H
15840.000	35.12	-24.06	40.51	18.67	54.00	18.88	H
17785.600	37.11	-22.38	41.54	17.95	54.00	16.89	H
17828.800	37.43	-22.47	41.53	18.36	54.00	16.57	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	46.54	-22.29	34.34	34.49	54.00	7.46	V
5352.500	46.41	-22.29	34.34	34.36	54.00	7.59	V
10640.000	30.00	-29.30	37.86	21.44	54.00	24.00	V
15960.000	35.20	-23.82	40.65	18.37	54.00	18.80	V
17788.000	37.18	-22.38	41.54	18.02	54.00	16.82	V
17832.800	37.39	-22.48	41.53	18.34	54.00	16.61	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)
5458.500	41.00	-22.69	34.38	29.31	54.00	13.00	V
5460.000	41.30	-22.69	34.38	29.61	54.00	12.70	V
11000.000	31.57	-29.87	38.00	23.44	54.00	22.43	V

16161.600	36.18	-23.29	40.96	18.50	54.00	17.82	V
17763.200	37.69	-22.33	41.55	18.47	54.00	16.31	H
17911.200	38.18	-22.64	41.52	19.30	54.00	15.82	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)
5398.600	37.06	-22.30	34.36	25.00	54.00	16.94	V
5387.100	37.08	-22.29	34.36	25.01	54.00	16.92	V
11200.000	31.13	-30.43	38.08	23.48	54.00	22.87	H
16146.400	36.22	-23.30	40.94	18.59	54.00	17.78	H
17755.200	37.74	-22.31	41.55	18.50	54.00	16.26	H
17903.200	38.03	-22.63	41.52	19.14	54.00	15.97	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)
5399.900	37.59	-22.31	34.36	25.55	48.30	10.71	V
5446.000	37.36	-22.67	34.38	25.66	48.30	10.94	V
11400.000	31.70	-29.72	38.16	23.26	48.30	16.60	V
16162.400	36.18	-23.28	40.96	18.50	48.30	12.12	V
17762.400	37.69	-22.32	41.55	18.46	48.30	10.61	V
17924.000	38.05	-22.67	41.52	19.21	48.30	10.24	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)
5404.500	38.30	-22.35	34.36	26.29	48.30	10.00	V
5419.600	38.11	-22.47	34.37	26.21	48.30	10.19	V
11440.000	31.29	-29.47	38.18	22.58	48.30	17.01	H
16143.200	35.93	-23.31	40.93	18.30	48.30	12.37	H
17836.000	37.51	-22.49	41.53	18.47	48.30	10.79	H
17904.000	37.76	-22.63	41.52	18.86	48.30	10.54	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	46.34	-23.27	34.26	35.35	54.00	7.66	V
5150.000	46.95	-23.27	34.26	35.96	54.00	7.05	V
11924.800	32.18	-29.17	38.63	22.73	54.00	21.82	V
15570.400	34.65	-24.51	40.19	18.97	54.00	19.35	H
17744.800	37.38	-22.28	41.55	18.11	54.00	16.62	V
17931.200	37.60	-22.68	41.51	18.77	54.00	16.40	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)
5140.000	36.22	-23.30	34.26	25.26	54.00	17.78	V
5352.000	36.83	-22.29	34.34	24.78	54.00	17.17	V
12372.000	32.90	-27.96	38.92	21.93	54.00	21.10	H
15690.400	34.58	-24.44	40.33	18.69	54.00	19.42	H
17746.400	37.38	-22.29	41.55	18.11	54.00	16.62	V
17934.400	37.57	-22.69	41.51	18.74	54.00	16.43	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)
5149.500	39.58	-23.27	34.26	28.59	54.00	14.42	V
5350.600	42.25	-22.29	34.34	30.20	54.00	11.75	V
11000.000	31.18	-29.87	38.00	23.05	54.00	22.82	V
15810.400	34.95	-24.12	40.47	18.60	54.00	19.05	H
17751.200	37.41	-22.30	41.55	18.16	54.00	16.59	H
17881.600	37.45	-22.58	41.52	18.51	54.00	16.55	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	45.63	-22.29	34.34	33.58	54.00	8.37	V
5351.400	45.43	-22.29	34.34	33.38	54.00	8.57	V
10620.000	30.21	-29.20	37.85	21.55	54.00	23.79	H
15930.400	35.06	-23.88	40.62	18.32	54.00	18.94	H
17756.000	37.36	-22.31	41.55	18.12	54.00	16.64	H
17884.800	37.40	-22.59	41.52	18.46	54.00	16.60	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5457.400	42.45	-22.70	34.38	30.76	54.00	11.55	V
5459.900	43.31	-22.69	34.38	31.62	54.00	10.69	V
11020.000	30.62	-29.83	38.01	22.45	54.00	23.38	V
17736.800	37.19	-22.26	41.55	17.91	54.00	16.81	H
17832.800	37.18	-22.48	41.53	18.13	54.00	16.82	V
17914.400	37.45	-22.65	41.52	18.58	54.00	16.55	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)
5351.600	38.39	-22.29	34.34	26.34	54.00	15.61	V
5399.200	38.22	-22.31	34.36	26.17	54.00	15.78	V
11180.000	30.04	-30.45	38.07	22.41	54.00	23.96	H
17725.600	37.09	-22.24	41.55	17.77	54.00	16.91	H
17826.400	37.14	-22.47	41.53	18.07	54.00	16.86	V
17909.600	37.47	-22.64	41.52	18.59	54.00	16.53	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)
5381.800	37.92	-22.29	34.35	25.85	48.30	10.38	V
5451.200	37.51	-22.70	34.38	25.83	48.30	10.79	V
11340.000	30.53	-30.03	38.14	22.42	48.30	17.77	V
17836.800	37.17	-22.49	41.53	18.13	48.30	11.13	V
17918.400	37.43	-22.66	41.52	18.57	48.30	10.87	H

17954.400	37.27	-22.73	41.51	18.49	48.30	11.03	H
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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)
5398.700	38.44	-22.31	34.36	26.39	48.30	9.86	V
5442.800	38.25	-22.65	34.38	26.52	48.30	10.05	V
11420.000	31.51	-29.59	38.17	22.94	48.30	16.79	V
16146.400	36.08	-23.30	40.94	18.45	48.30	12.22	H
17761.600	37.34	-22.32	41.55	18.11	48.30	10.96	V
17918.400	37.84	-22.66	41.52	18.99	48.30	10.46	V

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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)
5148.300	49.61	-23.28	34.32	38.56	54.00	4.39	V
5150.000	49.82	-23.27	34.32	38.76	54.00	4.18	V
10880.000	31.87	-29.88	37.83	23.92	54.00	22.13	H
15630.400	35.28	-24.54	40.36	19.46	54.00	18.72	H
17856.800	37.84	-22.53	41.27	19.10	54.00	16.16	V
17929.600	38.38	-22.68	41.29	19.78	54.00	15.62	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)
5353.600	49.30	-22.29	34.49	37.10	54.00	4.70	V
5350.150	49.30	-22.29	34.48	37.11	54.00	4.70	V
11008.000	32.21	-29.86	37.91	24.16	54.00	21.79	V
15870.400	35.71	-24.00	40.65	19.07	54.00	18.29	V
17756.800	37.88	-22.31	41.25	18.94	54.00	16.12	V
17884.000	37.98	-22.59	41.28	19.29	54.00	16.02	H

Channel 106

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5456.600	48.91	-22.70	34.57	37.04	54.00	5.09	V
5459.500	48.96	-22.69	34.57	37.09	54.00	5.04	V
11060.000	30.72	-29.86	37.97	22.61	54.00	23.28	H
17775.200	36.98	-22.35	41.26	18.08	54.00	17.02	H



17834.400	37.29	-22.48	41.27	18.51	54.00	16.71	V
17921.600	37.58	-22.66	41.28	18.96	54.00	16.42	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)
5462.500	39.90	-22.69	34.57	28.01	54.00	14.10	V
5459.500	39.57	-22.69	34.57	27.70	54.00	14.43	V
11220.000	30.30	-30.41	38.17	22.54	54.00	23.70	V
17800.000	36.99	-22.41	41.26	18.14	54.00	17.01	V
17906.400	37.58	-22.63	41.28	18.93	54.00	16.43	H
17936.800	37.60	-22.69	41.29	19.00	54.00	16.40	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)
5353.600	38.56	-22.29	34.49	26.37	54.00	15.44	V
5362.800	38.55	-22.29	34.49	26.34	54.00	15.45	V
11380.000	31.44	-29.84	38.36	22.92	54.00	22.56	H
16155.200	36.02	-23.29	40.99	18.32	54.00	17.98	V
17768.000	37.37	-22.34	41.25	18.45	54.00	16.63	H
17907.200	37.85	-22.63	41.28	19.20	54.00	16.15	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)
5149.153	49.49	-23.27	34.26	38.50	74.00	24.51	V
5149.905	71.07	-23.27	34.26	60.08	74.00	2.93	V
10360.000	46.11	-29.67	37.63	38.15	68.30	22.19	V
15540.000	53.04	-24.49	40.15	37.37	74.00	20.96	H
17077.650	56.80	-23.04	42.11	37.72	68.30	11.51	H
16819.150	57.59	-23.00	41.95	38.64	68.30	10.71	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)
5097.400	53.04	-23.45	34.24	42.25	74.00	20.96	V
5276.600	55.00	-22.89	34.31	43.58	68.30	13.30	V
10400.000	46.79	-29.32	37.68	38.42	68.30	21.51	V
15600.000	52.54	-24.52	40.22	36.84	74.00	21.46	H
16602.450	56.25	-23.33	41.65	37.93	68.30	12.05	V
17065.000	56.37	-23.03	42.12	37.28	68.30	11.93	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)
5174.800	53.80	-23.21	34.27	42.73	68.30	14.50	V
5312.800	46.39	-22.53	34.33	34.60	68.30	21.91	V
10480.000	45.84	-29.57	37.78	37.64	68.30	22.45	H
15720.000	52.95	-24.36	40.37	36.94	74.00	21.05	V
16815.300	56.13	-23.00	41.94	37.18	68.30	12.17	V
17492.350	57.29	-22.95	41.61	38.63	68.30	11.01	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)
5186.200	52.32	-23.18	34.28	41.23	74.00	21.68	V
5330.400	52.60	-22.39	34.33	40.66	74.00	21.40	V
10520.000	44.07	-29.65	37.81	35.91	68.30	24.23	H
15780.000	52.11	-24.20	40.44	35.87	74.00	21.89	H
16966.550	56.00	-23.01	42.15	36.86	68.30	12.30	H
17486.300	56.34	-22.99	41.62	37.71	68.30	11.96	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)
5212.400	52.02	-23.29	34.29	41.02	68.30	16.28	V
5340.000	53.77	-22.32	34.34	41.75	68.30	14.53	V
10560.150	43.33	-29.45	37.82	34.95	68.30	24.97	V
15840.150	51.26	-24.06	40.51	34.81	74.00	22.74	H
16829.600	55.45	-23.00	41.96	36.48	68.30	12.85	V
17261.350	56.37	-22.81	41.88	37.29	68.30	11.93	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	67.97	-22.29	34.34	55.92	74.00	6.03	V
5353.620	66.69	-22.29	34.34	54.64	74.00	7.31	V
10639.900	45.24	-29.30	37.86	36.69	68.30	23.06	H
15960.050	52.32	-23.82	40.65	35.48	74.00	21.68	V
16815.850	56.14	-23.00	41.94	37.20	68.30	12.16	H
17095.250	55.43	-23.04	42.08	36.38	68.30	12.87	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)
5453.185	61.15	-22.70	34.38	49.47	74.00	12.85	V
5459.906	61.34	-22.69	34.38	49.65	74.00	12.66	V
11000.150	45.60	-29.87	38.00	37.47	74.00	28.40	V
16500.150	53.81	-23.16	41.50	35.48	68.30	14.49	V
17085.900	56.79	-23.04	42.10	37.73	68.30	11.51	H
17413.700	56.78	-23.07	41.70	38.15	68.30	11.52	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)
5561.000	54.66	-22.61	34.51	42.75	68.30	13.64	V
5638.600	54.78	-22.84	34.66	42.97	68.30	13.52	V
11199.800	44.49	-30.43	38.08	36.84	74.00	29.50	V
16799.900	54.15	-23.00	41.92	35.23	68.30	14.15	H
17023.750	56.98	-23.03	42.17	37.84	68.30	11.32	H
17199.750	57.02	-22.91	41.96	37.96	68.30	11.28	H

Channel 140

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5725.038	66.74	-22.97	34.81	54.90	68.30	1.56	V
5725.750	66.58	-22.98	34.82	54.74	68.30	1.72	V
11400.000	47.04	-29.72	38.16	38.60	74.00	26.96	H
16970.400	56.83	-23.02	42.16	37.69	68.30	11.47	H
17100.200	54.18	-23.04	42.08	35.14	68.30	14.12	V
17595.750	57.91	-22.27	41.58	38.60	68.30	10.38	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)
5655.800	54.10	-22.84	34.69	42.25	68.30	14.20	V
5803.200	54.08	-22.74	34.96	41.86	68.30	14.22	V
11440.150	45.05	-29.46	38.18	36.33	74.00	28.95	V
17160.150	54.41	-22.97	42.01	35.38	68.30	13.89	H
17393.900	56.68	-23.03	41.73	37.98	68.30	11.62	H
17502.250	56.54	-22.89	41.60	37.83	68.30	11.76	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)
5147.752	71.80	-23.28	34.26	60.82	74.00	2.20	V
5149.257	69.21	-23.27	34.26	58.23	74.00	4.79	V
10360.000	31.52	-29.67	37.63	23.56	68.30	36.78	H
15540.000	34.92	-24.49	40.15	19.26	74.00	39.08	H
16815.300	56.13	-23.00	41.94	37.18	68.30	12.17	V
17492.350	57.29	-22.95	41.61	38.63	68.30	11.01	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)
5141.000	56.37	-23.30	34.26	45.41	68.30	11.93	V
5269.200	56.65	-22.98	34.31	45.32	68.30	11.65	V
10400.000	46.55	-29.32	37.68	38.18	68.30	21.75	H
15600.000	52.97	-24.52	40.22	37.27	74.00	21.03	H
16959.400	56.24	-23.01	42.14	37.11	68.30	12.06	H
17591.900	56.08	-22.29	41.58	36.79	68.30	12.22	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)
5191.000	60.31	-23.20	34.28	49.23	74.00	13.69	V
5290.400	65.89	-22.71	34.32	54.28	74.00	8.11	V
10480.000	45.85	-29.57	37.78	37.64	68.30	22.45	V
15720.000	52.91	-24.36	40.37	36.90	74.00	21.09	V
16818.000	56.05	-23.00	41.95	37.10	68.30	12.25	V

16993.500	56.97	-23.02	42.19	37.80	68.30	11.33	V
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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)
5197.000	54.95	-23.23	34.28	43.90	74.00	19.05	V
5321.800	55.34	-22.46	34.33	43.48	74.00	18.66	V
10520.000	44.07	-29.65	37.81	35.91	68.30	24.23	V
15780.200	52.11	-24.20	40.44	35.87	74.00	21.89	V
16966.550	56.00	-23.01	42.15	36.86	68.30	12.30	H
17486.300	56.34	-22.99	41.62	37.71	68.30	11.96	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)
5180.900	53.06	-23.19	34.27	41.98	68.30	15.24	V
5349.500	55.81	-22.29	34.34	43.76	68.30	12.49	V
10560.150	43.55	-29.45	37.82	35.17	68.30	24.75	V
15840.150	52.73	-24.06	40.51	36.28	74.00	21.27	H
17099.650	56.29	-23.04	42.08	37.25	68.30	12.01	V
17572.650	55.94	-22.42	41.59	36.78	68.30	12.36	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)
5350.583	70.09	-22.29	34.34	58.04	74.00	3.91	V
5350.016	70.55	-22.29	34.34	58.50	74.00	3.45	V
10639.900	43.87	-29.30	37.86	35.31	68.30	24.43	H
15960.050	52.19	-23.82	40.65	35.35	74.00	21.81	H
17120.000	55.98	-23.03	42.05	36.96	68.30	12.32	V
17584.750	57.03	-22.34	41.58	37.78	68.30	11.27	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)
5456.830	58.73	-22.70	34.38	47.04	74.00	15.27	V
5458.120	60.18	-22.69	34.38	48.49	74.00	13.82	V
11000.150	44.92	-29.87	38.00	36.80	74.00	29.08	H
16435.800	56.84	-23.08	41.40	38.53	68.30	11.46	H
16500.150	54.37	-23.16	41.50	36.04	68.30	13.93	H
16971.500	56.52	-23.02	42.16	37.37	68.30	11.78	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)
5536.800	52.77	-22.62	34.47	40.92	68.30	15.53	V
5668.400	53.16	-22.84	34.71	41.28	68.30	15.14	V
11199.800	44.97	-30.43	38.08	37.31	74.00	29.03	H
16799.900	55.20	-23.00	41.92	36.28	68.30	13.10	H
16909.900	56.71	-23.01	42.08	37.64	68.30	11.59	H
17291.600	56.37	-22.78	41.85	37.30	68.30	11.93	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)
5728.062	67.63	-22.98	34.82	55.80	68.30	0.67	V
5729.100	66.35	-22.98	34.82	54.51	68.30	1.95	V
11400.000	45.20	-29.72	38.16	36.76	74.00	28.80	H
16923.650	56.43	-23.01	42.09	37.35	68.30	11.87	H
17100.200	53.66	-23.04	42.08	34.62	68.30	14.64	H
17124.950	56.41	-23.02	42.05	37.39	68.30	11.89	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)
5671.000	55.53	-22.84	34.72	43.65	68.30	12.77	V
5760.200	56.97	-22.92	34.88	45.01	68.30	11.33	V
11440.150	45.74	-29.46	38.18	37.03	74.00	28.26	H
17084.250	56.31	-23.04	42.10	37.24	68.30	11.99	V
17160.150	53.78	-22.97	42.01	34.74	68.30	14.52	H



17471.450	56.40	-23.09	41.63	37.85	68.30	11.90	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)
5144.252	71.73	-23.29	34.26	60.76	74.00	2.27	V
5145.775	72.74	-23.28	34.26	61.76	74.00	1.26	V
10380.000	45.94	-29.49	37.66	37.78	68.30	22.36	V
15570.000	52.39	-24.50	40.19	36.71	74.00	21.61	V
16990.750	55.96	-23.02	42.19	36.79	68.30	12.34	V
17527.550	56.00	-22.72	41.59	37.13	68.30	12.30	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)
5126.400	53.11	-23.34	34.25	42.20	74.00	20.89	V
5389.400	53.06	-22.29	34.36	40.99	74.00	20.94	V
10460.000	46.04	-29.49	37.75	37.77	68.30	22.26	H
15690.000	52.83	-24.44	40.33	36.94	74.00	21.17	H
16892.850	56.26	-23.01	42.05	37.22	68.30	12.04	V
17462.650	55.93	-23.15	41.64	37.44	68.30	12.37	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)
5186.230	57.34	-23.18	34.28	46.25	68.30	10.96	V
5351.650	58.48	-22.29	34.34	46.43	68.30	9.82	V
10539.800	43.83	-29.55	37.82	35.56	68.30	24.47	V
15809.900	52.21	-24.12	40.47	35.86	74.00	21.79	H
16850.500	56.42	-23.00	41.99	37.43	68.30	11.88	H
17388.400	56.13	-23.01	41.73	37.41	68.30	12.17	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)
5350.920	70.53	-22.29	34.34	58.48	74.00	3.47	V
5350.115	70.53	-22.29	34.34	58.48	74.00	3.47	V
10620.100	44.78	-29.20	37.85	36.13	74.00	29.22	H
15929.800	52.07	-23.88	40.62	35.33	74.00	21.93	V
16930.800	56.24	-23.01	42.10	37.14	68.30	12.06	H
17585.850	57.56	-22.33	41.58	38.31	68.30	10.74	V

Channel 102

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5454.415	64.76	-22.70	34.38	53.08	74.00	9.24	V
5458.435	64.37	-22.69	34.38	52.68	74.00	9.63	V
11019.950	46.84	-29.83	38.01	38.67	74.00	27.16	H
16529.850	55.48	-23.21	41.54	37.14	68.30	12.82	V
17005.050	56.65	-23.02	42.19	37.48	68.30	11.65	V
17606.200	57.31	-22.20	41.58	37.93	68.30	10.99	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)
5523.800	57.06	-22.62	34.44	45.24	68.30	11.24	V
5668.500	57.34	-22.84	34.71	45.46	68.30	10.96	V
11180.000	44.59	-30.45	38.07	36.96	74.00	29.41	V
16770.200	54.01	-23.01	41.88	35.14	68.30	14.29	V
16969.300	56.11	-23.02	42.16	36.97	68.30	12.19	V
17098.550	56.44	-23.04	42.08	37.40	68.30	11.86	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)
5725.363	64.77	-22.98	34.82	52.93	68.30	3.53	V
5725.688	64.52	-22.98	34.82	52.68	68.30	3.78	V
11340.050	45.41	-30.03	38.14	37.30	74.00	28.59	H
17010.000	55.25	-23.02	42.19	36.08	68.30	13.05	V
17071.600	55.23	-23.03	42.11	36.15	68.30	13.07	H
17160.150	56.31	-22.97	42.01	37.27	68.30	11.99	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)
5632.000	55.25	-22.84	34.65	43.45	68.30	13.05	V
5773.400	57.13	-22.90	34.90	45.12	68.30	11.17	V
11419.800	46.02	-29.59	38.17	37.44	74.00	27.98	H
16962.150	57.86	-23.01	42.15	38.72	68.30	10.44	H
17129.900	54.29	-23.02	42.04	35.27	68.30	14.01	H
17445.050	57.14	-23.15	41.67	38.63	68.30	11.16	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)
5145.985	66.66	-23.28	34.26	55.68	74.00	7.34	V
5147.788	67.56	-23.28	34.26	56.57	74.00	6.44	V
10360.000	46.13	-29.67	37.63	38.16	68.30	22.17	H
15540.000	53.07	-24.49	40.15	37.41	74.00	20.93	V
16867.550	55.87	-23.00	42.02	36.86	68.30	12.43	V
17032.550	56.36	-23.03	42.16	37.23	68.30	11.94	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)
5146.400	55.60	-23.28	34.26	44.62	74.00	18.40	V
5256.600	56.81	-23.14	34.31	45.64	68.30	11.49	V
10400.000	46.31	-29.32	37.68	37.95	68.30	21.99	V
15600.000	52.62	-24.52	40.22	36.92	74.00	21.38	V
16921.450	56.43	-23.01	42.09	37.35	68.30	11.87	V
17114.500	56.22	-23.04	42.06	37.20	68.30	12.08	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)
5175.000	53.92	-23.21	34.27	42.86	68.30	14.38	V
5302.600	55.77	-22.62	34.32	44.07	68.30	12.53	V
10480.000	45.83	-29.57	37.78	37.62	68.30	22.47	H
15720.000	52.32	-24.36	40.37	36.31	74.00	21.68	V
16879.100	55.53	-23.00	42.03	36.51	68.30	12.77	V
17220.100	56.64	-22.87	41.93	37.58	68.30	11.66	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)
5169.400	53.18	-23.22	34.27	42.13	74.00	20.82	V
5350.000	54.00	-22.29	34.34	41.95	74.00	20.00	V
10520.000	44.00	-29.65	37.81	35.84	68.30	24.30	H
15780.200	52.67	-24.20	40.44	36.43	74.00	21.33	H
17062.800	55.66	-23.03	42.12	36.57	68.30	12.64	H
17475.850	55.63	-23.06	41.63	37.06	68.30	12.67	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)
5184.600	53.19	-23.18	34.28	42.10	68.30	15.11	V
5345.200	56.78	-22.29	34.34	44.73	68.30	11.52	V
10560.150	44.02	-29.45	37.82	35.64	68.30	24.28	V
15840.150	51.37	-24.06	40.51	34.92	74.00	22.63	V
16929.700	55.56	-23.01	42.10	36.46	68.30	12.74	H
17297.100	56.86	-22.80	41.84	37.81	68.30	11.44	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)
5350.299	71.38	-22.29	34.34	59.33	74.00	2.62	V
5350.704	72.51	-22.29	34.34	60.46	74.00	1.49	V
11059.500	44.76	-29.86	38.02	36.60	74.00	29.24	V
15960.050	51.92	-23.82	40.65	35.09	74.00	22.08	V
17192.050	55.65	-22.92	41.97	36.60	68.30	12.65	H
17588.050	55.46	-22.32	41.58	36.20	68.30	12.84	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)
5458.400	39.16	-22.69	34.38	27.47	74.00	34.84	V
5460.000	39.54	-22.69	34.38	27.84	74.00	34.46	V
11199.800	46.09	-30.43	38.08	38.43	74.00	27.91	V
16799.900	53.01	-23.00	41.92	34.09	68.30	15.29	V
17028.150	56.90	-23.03	42.17	37.76	68.30	11.40	H
17600.150	56.94	-22.24	41.58	37.59	68.30	11.37	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)
5551.000	54.12	-22.61	34.50	42.24	68.30	14.18	V
5643.400	55.51	-22.84	34.67	43.68	68.30	12.79	V
11199.800	45.61	-30.43	38.08	37.96	74.00	28.39	H
16799.900	54.57	-23.00	41.92	35.64	68.30	13.73	H
16888.450	56.53	-23.01	42.05	37.49	68.30	11.77	V
17215.700	56.84	-22.88	41.94	37.78	68.30	11.46	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)
5725.087	65.71	-22.97	34.81	53.87	68.30	2.59	V
5725.375	66.11	-22.98	34.82	54.28	68.30	2.19	V
11400.000	46.70	-29.72	38.16	38.26	74.00	27.30	H
16914.300	57.21	-23.01	42.08	38.13	68.30	11.09	H
17100.200	53.61	-23.04	42.08	34.57	68.30	14.69	H
17649.100	57.48	-22.06	41.57	37.97	68.30	10.82	V

Channel 144

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
5674.500	55.82	-22.84	34.72	43.94	68.30	12.48	V
5765.300	55.55	-22.91	34.89	43.57	68.30	12.75	V
11440.150	45.90	-29.46	38.18	37.19	74.00	28.10	H
17160.150	54.65	-22.97	42.01	35.61	68.30	13.65	V
17195.350	56.51	-22.91	41.96	37.46	68.30	11.79	H
17499.500	56.67	-22.91	41.60	37.97	68.30	11.63	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)
5147.595	69.97	-23.28	34.26	58.99	74.00	4.03	V
5149.135	71.21	-23.27	34.26	60.22	74.00	2.79	V
10380.000	45.95	-29.49	37.66	37.79	68.30	22.35	V
15570.000	53.34	-24.50	40.19	37.66	74.00	20.66	H
16836.200	55.56	-23.00	41.97	36.59	68.30	12.74	H
17245.950	56.41	-22.83	41.90	37.34	68.30	11.89	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)
5157.000	53.46	-23.25	34.26	42.45	68.30	14.84	V
5343.200	52.26	-22.29	34.34	40.21	68.30	16.04	V
10460.000	46.38	-29.49	37.75	38.11	68.30	21.93	V
15690.000	53.36	-24.44	40.33	37.47	74.00	20.64	V
16942.900	55.96	-23.01	42.12	36.85	68.30	12.34	H
17245.950	56.41	-22.83	41.90	37.34	68.30	11.89	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)
5176.600	54.75	-23.20	34.27	43.68	68.30	13.55	V
5358.000	59.23	-22.29	34.35	47.18	74.00	14.77	V
10539.800	43.76	-29.55	37.82	35.49	68.30	24.54	V
15809.900	50.38	-24.12	40.47	34.03	74.00	23.62	V
16765.250	55.09	-23.02	41.87	36.24	68.30	13.21	V
17192.600	55.67	-22.92	41.97	36.62	68.30	12.63	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)
5350.096	69.23	-22.29	34.34	57.18	74.00	4.77	V
5350.353	69.30	-22.29	34.34	57.25	74.00	4.70	V
10620.100	43.46	-29.20	37.85	34.80	74.00	30.54	V
15929.800	52.11	-23.88	40.62	35.37	74.00	21.89	V
16911.000	56.33	-23.01	42.08	37.26	68.30	11.97	V
17561.100	56.71	-22.50	41.59	37.62	68.30	11.59	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)
5458.150	63.84	-22.69	34.38	52.15	74.00	10.16	V
5458.990	62.87	-22.69	34.38	51.18	74.00	11.13	V
11019.950	45.21	-29.83	38.01	37.03	74.00	28.79	H
16529.850	53.04	-23.21	41.54	34.71	68.30	15.26	V
16707.500	55.72	-23.14	41.79	37.07	68.30	12.58	V
17084.800	56.05	-23.04	42.10	36.99	68.30	12.25	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)
5522.600	55.89	-22.62	34.44	44.07	68.30	12.41	V
5651.400	59.04	-22.84	34.68	47.20	68.30	9.26	V
11180.000	45.47	-30.45	38.07	37.85	68.30	22.83	V
16770.200	53.48	-23.01	41.88	34.61	68.30	14.82	H
16895.600	56.65	-23.01	42.06	37.60	68.30	11.65	H
17028.150	55.23	-23.03	42.17	36.09	68.30	13.07	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)
5726.170	61.84	-22.98	34.82	50.00	68.30	6.46	V
5726.438	62.45	-22.98	34.82	50.61	68.30	5.85	V
11340.000	45.95	-30.03	38.14	37.84	74.00	28.05	H
17010.000	54.65	-23.02	42.19	35.49	68.30	13.65	H
17134.300	55.79	-23.01	42.04	36.77	68.30	12.51	V
17360.350	55.67	-22.95	41.77	36.85	68.30	12.63	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)
5650.200	58.14	-22.84	34.68	46.30	68.30	10.16	V
5778.600	56.56	-22.89	34.91	44.54	68.30	11.74	V
11419.800	45.78	-29.59	38.17	37.21	74.00	28.21	V
16944.550	57.20	-23.01	42.12	38.09	68.30	11.10	H
17129.900	54.66	-23.02	42.04	35.64	68.30	13.64	V
17550.650	56.53	-22.57	41.59	37.50	68.30	11.77	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)
5142.432	72.32	-23.29	34.32	61.29	74.00	1.68	V
5148.890	72.90	-23.27	34.32	61.85	74.00	1.10	V
10420.100	46.52	-29.32	37.54	38.30	68.30	21.78	V
15630.050	50.76	-24.54	40.36	34.94	68.30	17.54	H
16759.750	56.31	-23.03	41.56	37.79	68.30	11.99	H
16920.350	56.70	-23.01	41.65	38.05	68.30	11.60	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)
5352.351	72.36	-22.29	34.49	60.17	74.00	1.64	V
5352.931	72.35	-22.29	34.49	60.16	74.00	1.65	V
10579.900	45.08	-29.35	37.65	36.78	68.30	23.22	V
15869.580	54.46	-24.00	40.65	37.81	68.30	13.84	V
16871.400	56.46	-23.00	41.62	37.84	68.30	11.84	H
17170.050	56.30	-22.95	41.53	37.72	68.30	12.00	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)
5457.805	73.46	-22.70	34.57	61.59	74.00	0.54	V
5453.290	73.86	-22.70	34.56	61.99	74.00	0.14	V
11060.100	44.76	-29.86	37.97	36.65	74.00	29.24	V
16589.800	52.78	-23.31	41.45	34.64	68.30	15.52	V
17011.100	56.00	-23.02	41.69	37.33	68.30	12.30	V
17260.800	56.11	-22.81	41.44	37.48	68.30	12.19	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)
5725.125	62.13	-22.97	34.88	50.23	68.30	6.17	V
5728.375	62.52	-22.98	34.88	50.62	68.30	5.78	V
11220.150	45.30	-30.41	38.17	37.54	74.00	28.70	H
16830.150	54.00	-23.00	41.60	35.40	68.30	14.30	H
16953.350	55.32	-23.01	41.67	36.66	68.30	12.98	H
17275.650	55.00	-22.78	41.42	36.36	68.30	13.30	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)
5536.800	56.64	-22.62	34.65	44.61	68.30	11.66	V
5821.060	55.54	-22.61	34.99	43.15	68.30	12.76	V
11380.200	45.42	-29.84	38.36	36.91	74.00	28.58	H
17011.650	56.66	-23.02	41.69	37.99	68.30	11.64	H
17049.600	57.04	-23.03	41.65	38.42	68.30	11.26	V
17069.950	54.41	-23.03	41.63	35.81	68.30	13.89	V

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

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement uncertainty:

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

Measurement Result and limit:

WLAN (Quasi-peak Limit)

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

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

WLAN (Average Limit)

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

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

Conclusion: PASS

Test graphs as below: